



REPORT No.: SZ22090379S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacture document.

Conducted Power

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	RMC 12.2Kbps	20.79	20.85	20.77	21.50	21.03	21.11	21.06	22.00	23.02	23.11	23.04	24.00
3GPP Rel 6	HSDPA Subtest-1	18.63	18.33	18.55	19.50	19.65	19.83	19.97	20.50	21.51	21.29	21.49	22.50
3GPP Rel 6	HSDPA Subtest-2	18.71	18.36	18.54	19.50	19.69	19.87	20.00	20.50	21.62	21.35	21.54	22.50
3GPP Rel 6	HSDPA Subtest-3	18.19	17.88	18.05	19.00	19.23	19.40	19.53	20.00	21.18	20.94	21.08	22.00
3GPP Rel 6	HSDPA Subtest-4	18.20	17.89	18.06	19.00	19.23	19.42	19.55	20.00	21.21	20.98	21.10	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.44	18.37	18.21	19.00	19.56	19.79	19.89	20.50	21.03	21.20	21.15	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.64	18.39	18.19	19.00	19.57	19.88	20.37	20.50	21.14	21.20	21.15	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.14	18.10	17.73	18.50	19.06	19.45	19.70	20.00	20.62	20.60	20.64	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.96	17.93	17.74	18.50	19.07	19.45	19.60	20.00	20.71	20.60	20.55	21.50
3GPP Rel 6	HSUPA Subtest-1	19.35	18.12	18.04	20.00	19.24	19.47	20.25	21.00	18.79	20.95	20.12	21.50
3GPP Rel 6	HSUPA Subtest-2	18.82	17.59	17.55	19.50	18.70	18.95	19.72	20.50	18.29	20.45	19.62	21.00
3GPP Rel 6	HSUPA Subtest-3	19.33	18.11	18.01	20.00	19.24	19.50	20.26	21.00	18.92	21.00	20.17	21.50
3GPP Rel 6	HSUPA Subtest-4	19.25	18.05	18.02	20.00	19.11	19.40	20.19	21.00	18.81	20.92	20.08	21.50
3GPP Rel 6	HSUPA Subtest-5	19.25	18.03	18.03	20.00	19.12	19.44	20.21	21.00	18.91	20.99	20.12	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.05	18.22	18.15	20.00	19.14	19.28	20.05	21.00	18.38	20.48	20.98	21.50
Attenuator			Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6	
Mode			Max.	20.85			Max.	21.11			Max.	23.11	

3	QPSK	15	0	21.56	21.65	21.41	22.5
3	16QAM	1	0	21.63	21.62	21.43	
3	16QAM	1	8	21.36	21.63	21.42	
3	16QAM	1	14	21.67	21.82	21.35	
3	16QAM	8	0	20.55	20.63	20.51	
3	16QAM	8	4	20.60	20.83	20.78	
3	16QAM	8	7	20.78	20.69	20.43	
3	16QAM	15	0	20.83	20.57	20.78	
3	64QAM	1	0	21.71	21.80	21.77	
3	64QAM	1	8	21.68	21.67	21.52	
3	64QAM	1	14	21.72	21.58	21.42	
3	64QAM	8	0	20.48	20.67	20.63	
3	64QAM	8	4	20.65	20.64	20.51	
3	64QAM	8	7	20.51	20.73	20.44	
3	64QAM	15	0	20.68	20.54	20.67	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.60	22.57	22.57	23.5
1.4	QPSK	1	3	22.42	22.59	22.54	
1.4	QPSK	1	5	22.50	22.55	22.65	
1.4	QPSK	3	0	21.58	21.67	21.63	
1.4	QPSK	3	1	21.77	21.55	21.74	
1.4	QPSK	3	3	21.62	21.72	21.51	
1.4	QPSK	6	0	21.51	21.63	21.41	22.5
1.4	16QAM	1	0	21.55	21.91	21.57	22.5
1.4	16QAM	1	3	21.65	21.73	21.51	
1.4	16QAM	1	5	21.77	21.63	21.69	
1.4	16QAM	3	0	20.63	20.76	20.83	
1.4	16QAM	3	1	20.55	20.67	20.64	
1.4	16QAM	3	3	20.67	20.59	20.64	
1.4	16QAM	6	0	20.75	20.86	20.56	21.5
1.4	64QAM	1	0	21.56	21.69	21.80	22.5
1.4	64QAM	1	3	21.65	21.58	21.46	
1.4	64QAM	1	5	21.50	21.39	21.57	
1.4	64QAM	3	0	20.54	20.56	20.63	
1.4	64QAM	3	1	20.61	20.51	20.59	
1.4	64QAM	3	3	20.50	20.65	20.58	
1.4	64QAM	6	0	20.66	20.51	20.51	21.5

3	QPSK	15	0	20.53	20.64	20.64	21.5
3	16QAM	1	0	20.48	20.72	20.36	
3	16QAM	1	8	20.36	20.78	20.68	
3	16QAM	1	14	20.72	20.67	20.34	
3	16QAM	8	0	19.87	19.84	19.66	
3	16QAM	8	4	19.49	19.72	19.54	
3	16QAM	8	7	19.50	19.72	19.67	
3	16QAM	15	0	19.69	19.88	19.67	
3	64QAM	1	0	20.36	20.72	20.81	
3	64QAM	1	8	20.80	20.62	20.44	
3	64QAM	1	14	20.45	20.76	20.57	
3	64QAM	8	0	19.47	19.69	19.86	
3	64QAM	8	4	19.69	19.46	19.68	
3	64QAM	8	7	19.53	19.62	19.50	
3	64QAM	15	0	19.48	19.59	19.69	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.53	21.54	21.51	22.5
1.4	QPSK	1	3	21.44	21.41	21.45	
1.4	QPSK	1	5	21.49	21.41	21.48	
1.4	QPSK	3	0	20.57	20.54	20.61	
1.4	QPSK	3	1	20.80	20.77	20.57	
1.4	QPSK	3	3	20.61	20.58	20.63	
1.4	QPSK	6	0	20.32	20.78	20.48	21.5
1.4	16QAM	1	0	20.60	20.55	20.40	21.5
1.4	16QAM	1	3	20.55	20.54	20.68	
1.4	16QAM	1	5	20.69	20.83	20.63	
1.4	16QAM	3	0	19.87	19.95	19.73	
1.4	16QAM	3	1	19.64	19.72	19.72	
1.4	16QAM	3	3	19.64	19.50	19.78	
1.4	16QAM	6	0	19.82	19.83	19.78	20.5
1.4	64QAM	1	0	20.69	20.50	20.46	21.5
1.4	64QAM	1	3	20.72	20.72	20.54	
1.4	64QAM	1	5	20.80	20.79	20.63	
1.4	64QAM	3	0	19.81	19.78	19.69	
1.4	64QAM	3	1	19.59	19.61	19.64	
1.4	64QAM	3	3	19.58	19.67	19.65	
1.4	64QAM	6	0	19.59	19.65	19.35	20.5

Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23090	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.56	23.74	23.65	24.5
10	QPSK	1	25	23.58	23.47	23.58	
10	QPSK	1	49	23.65	23.63	23.41	
10	QPSK	25	0	22.35	22.63	22.61	23.5
10	QPSK	25	12	22.52	22.53	22.45	
10	QPSK	25	25	22.68	22.60	22.44	
10	QPSK	50	0	22.46	22.66	22.24	23.5
10	16QAM	1	0	22.75	22.65	22.43	
10	16QAM	1	25	22.38	22.68	22.43	
10	16QAM	1	49	22.64	22.76	22.47	22.5
10	16QAM	25	0	21.72	21.71	21.69	
10	16QAM	25	12	21.57	21.67	21.47	
10	16QAM	25	25	21.43	21.41	21.58	23.5
10	16QAM	50	0	21.56	21.54	21.33	
10	64QAM	1	0	22.31	22.72	22.64	
10	64QAM	1	25	22.47	22.35	22.57	22.5
10	64QAM	1	49	22.55	22.69	22.51	
10	64QAM	25	0	21.50	21.59	21.57	
10	64QAM	25	12	21.36	21.28	21.42	22.5
10	64QAM	25	25	21.57	21.40	21.24	
10	64QAM	50	0	21.34	21.64	21.39	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.56	23.71	23.43	24.5
5	QPSK	1	12	23.29	23.36	23.53	
5	QPSK	1	24	23.56	23.32	23.57	
5	QPSK	12	0	22.67	22.62	22.60	23.5
5	QPSK	12	7	22.54	22.51	22.56	
5	QPSK	12	13	22.66	22.28	22.25	
5	QPSK	25	0	22.60	22.57	22.20	23.5
5	16QAM	1	0	22.67	22.67	22.33	
5	16QAM	1	12	22.26	22.54	22.46	
5	16QAM	1	24	22.34	22.70	22.31	22.5
5	16QAM	12	0	21.67	21.48	21.55	
5	16QAM	12	7	21.56	21.35	21.69	
5	16QAM	12	13	21.70	21.65	21.58	23.5
5	16QAM	25	0	21.39	21.65	21.64	
5	64QAM	1	0	22.47	22.52	22.64	
5	64QAM	1	12	22.43	22.72	22.54	22.5
5	64QAM	1	24	22.51	22.53	22.47	
5	64QAM	12	0	21.61	21.52	21.50	
5	64QAM	12	7	21.41	21.49	21.39	22.5
5	64QAM	12	13	21.44	21.57	21.32	
5	64QAM	25	0	21.32	21.57	21.59	
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.67	23.63	23.52	24.5
3	QPSK	1	8	23.42	23.41	23.53	
3	QPSK	1	14	23.56	23.39	23.44	
3	QPSK	8	0	22.32	22.47	22.38	23.5
3	QPSK	8	4	22.58	22.55	22.61	
3	QPSK	8	7	22.51	22.34	22.25	
3	QPSK	15	0	22.48	22.58	22.37	23.5
3	16QAM	1	0	22.44	22.67	22.33	
3	16QAM	1	8	22.42	22.44	22.56	
3	16QAM	1	14	22.55	22.69	22.51	22.5
3	16QAM	8	0	21.71	21.51	21.68	
3	16QAM	8	4	21.42	21.72	21.50	
3	16QAM	8	7	21.49	21.42	21.43	23.5
3	16QAM	15	0	21.44	21.51	21.61	
3	64QAM	1	0	22.54	22.52	22.45	
3	64QAM	1	8	22.60	22.50	22.40	22.5
3	64QAM	1	14	22.57	22.49	22.57	
3	64QAM	8	0	21.66	21.52	21.38	
3	64QAM	8	4	21.32	21.66	21.43	22.5
3	64QAM	8	7	21.48	21.32	21.22	
3	64QAM	15	0	21.52	21.38	21.23	
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.56	23.64	23.62	24.5
1.4	QPSK	1	3	23.46	23.36	23.33	
1.4	QPSK	1	5	23.47	23.57	23.30	
1.4	QPSK	3	0	22.55	22.71	22.57	23.5
1.4	QPSK	3	1	22.68	22.53	22.58	
1.4	QPSK	3	3	22.50	22.61	22.55	
1.4	QPSK	6	0	22.30	22.54	22.55	23.5
1.4	16QAM	1	0	22.38	22.52	22.61	
1.4	16QAM	1	3	22.27	22.42	22.45	
1.4	16QAM	1	5	22.51	22.66	22.32	22.5
1.4	16QAM	3	0	21.65	21.80	21.58	
1.4	16QAM	3	1	21.59	21.58	21.58	
1.4	16QAM	3	3	21.58	21.56	21.59	22.5
1.4	16QAM	6	0	21.73	21.56	21.63	
1.4	64QAM	1	0	22.39	22.49	22.63	
1.4	64QAM	1	3	22.34	22.50	22.64	23.5
1.4	64QAM	1	5	22.54	22.39	22.27	
1.4	64QAM	3	0	21.37	21.43	21.68	
1.4	64QAM	3	1	21.41	21.32	21.45	22.5
1.4	64QAM	3	3	21.18	21.29	21.42	
1.4	64QAM	6	0	21.48	21.58	21.36	

Band 13(700MHz Band) (dBm) Part 27F							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.58		24.5
10	QPSK	1	25		23.55		
10	QPSK	1	49		23.51		
10	QPSK	25	0		22.59		23.5
10	QPSK	25	12		22.62		
10	QPSK	25	25		22.65		
10	QPSK	50	0		22.57		23.5
10	16QAM	1	0		22.62		
10	16QAM	1	25		22.65		
10	16QAM	1	49		22.58		22.5
10	16QAM	25	0		21.60		
10	16QAM	25	12		21.55		
10	16QAM	25	25		21.57		23.5
10	16QAM	50	0		21.62		
10	64QAM	1	0		22.69		
10	64QAM	1	25		22.62		22.5
10	64QAM	1	49		22.58		
10	64QAM	25	0		21.72		
10	64QAM	25	12		21.59		22.5
10	64QAM	25	25		21.63		
10	64QAM	50	0		21.60		
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.54	23.55	23.48	24.5
5	QPSK	1	12	23.28	23.52	23.48	
5	QPSK	1	24	23.36	23.47	23.26	
5	QPSK	12	0	22.42	22.60	22.38	23.5
5	QPSK	12	7	22.60	22.39	22.44	
5	QPSK	12	13	22.32	22.46	22.31	
5	QPSK	25	0	22.22	22.55	22.16	23.5
5	16QAM	1	0	22.48	22.33	22.52	
5	16QAM	1	12	22.17	22.26	22.31	
5	16QAM	1	24	22.51	22.47	22.14	22.5
5	16QAM	12	0	21.34	21.75	21.43	
5	16QAM	12	7	21.33	21.53	21.56	
5	16QAM	12	13	21.41	21.30	21.49	23.5
5	16QAM	25	0	21.53	21.48	21.53	
5	64QAM	1	0	22.22	22.45	22.23	
5	64QAM	1	12	22.33	22.46	22.35	22.5
5	64QAM	1	24	22.40	22.19	22.23	
5	64QAM	12	0	21.31	21.53	21.59	
5	64QAM	12	7	21.27	21.58	21.35	22.5
5	64QAM	12	13	21.26	21.24	21.26	
5	64QAM	25	0	21.48	21.49	21.38	

3	QPSK	15	0	21.70	21.52	21.38	22.5
3	16QAM	1	0	21.50	21.89	21.74	
3	16QAM	1	8	21.57	21.71	21.45	
3	16QAM	1	14	21.47	21.73	21.55	21.5
3	16QAM	8	0	20.76	20.63	20.47	
3	16QAM	8	4	20.63	20.56	20.57	
3	16QAM	8	7	20.63	20.79	20.73	22.5
3	16QAM	15	0	20.59	20.53	20.83	
3	64QAM	1	0	21.39	21.54	21.64	
3	64QAM	1	8	21.59	21.44	21.77	21.5
3	64QAM	1	14	21.60	21.58	21.47	
3	64QAM	8	0	20.61	20.46	20.66	
3	64QAM	8	4	20.63	20.64	20.59	22.5
3	64QAM	8	7	20.36	20.52	20.50	
3	64QAM	15	0	20.66	20.53	20.69	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	22.67	22.79	22.45	23.5
1.4	QPSK	1	3	22.45	22.67	22.45	
1.4	QPSK	1	5	22.44	22.64	22.53	
1.4	QPSK	3	0	21.59	21.78	21.65	22.5
1.4	QPSK	3	1	21.76	21.69	21.73	
1.4	QPSK	3	3	21.58	21.71	21.53	
1.4	QPSK	6	0	21.33	21.54	21.32	21.5
1.4	16QAM	1	0	21.75	21.68	21.37	
1.4	16QAM	1	3	21.43	21.57	21.52	
1.4	16QAM	1	5	21.40	21.72	21.44	20.5
1.4	16QAM	3	0	20.52	20.63	20.63	
1.4	16QAM	3	1	20.51	20.65	20.79	
1.4	16QAM	3	3	20.69	20.76	20.65	22.5
1.4	16QAM	6	0	20.76	20.60	20.73	
1.4	64QAM	1	0	21.65	21.60	21.78	
1.4	64QAM	1	3	21.77	21.53	21.52	21.5
1.4	64QAM	1	5	21.80	21.76	21.52	
1.4	64QAM	3	0	20.48	20.53	20.57	
1.4	64QAM	3	1	20.45	20.67	20.70	22.5
1.4	64QAM	3	3	20.62	20.64	20.32	
1.4	64QAM	6	0	20.51	20.79	20.56	

1.4	QPSK	6	0	22.31	22.42	22.41	23.5
1.4	16QAM	1	0	22.38	22.71	22.48	
1.4	16QAM	1	3	22.45	22.58	22.33	
1.4	16QAM	1	5	22.58	22.55	22.34	22.5
1.4	16QAM	3	0	21.40	21.65	21.56	
1.4	16QAM	3	1	21.23	21.52	21.41	
1.4	16QAM	3	3	21.60	21.65	21.52	23.5
1.4	16QAM	6	0	21.35	21.39	21.29	
1.4	64QAM	1	0	22.25	22.40	22.29	
1.4	64QAM	1	3	22.60	22.29	22.42	22.5
1.4	64QAM	1	5	22.24	22.41	22.40	
1.4	64QAM	3	0	21.44	21.23	21.35	
1.4	64QAM	3	1	21.21	21.35	21.35	22.5
1.4	64QAM	3	3	21.30	21.46	21.38	
1.4	64QAM	6	0	21.18	21.25	21.21	

Band 66 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.73	21.80	21.70	22.5
20	QPSK	1	49	21.68	21.49	21.45	
20	QPSK	1	99	21.41	21.66	21.46	
20	QPSK	50	0	20.71	20.72	20.62	21.5
20	QPSK	50	24	20.46	20.68	20.72	
20	QPSK	50	50	20.63	20.51	20.53	
20	QPSK	100	0	20.59	20.59	20.48	21.5
20	16QAM	1	0	20.80	20.72	20.67	
20	16QAM	1	49	20.49	20.61	20.59	
20	16QAM	1	99	20.58	20.64	20.33	20.5
20	16QAM	50	0	19.69	19.84	19.76	
20	16QAM	50	24	19.53	19.55	19.71	
20	16QAM	50	50	19.70	19.69	19.44	21.5
20	16QAM	100	0	19.53	19.57	19.83	
20	64QAM	1	0	20.39	20.69	20.83	
20	64QAM	1	49	20.48	20.56	20.39	20.5
20	64QAM	1	99	20.55	20.78	20.40	
20	64QAM	50	0	19.50	19.47	19.57	
20	64QAM	50	24	19.47	19.60	19.72	20.5
20	64QAM	50	50	19.45	19.59	19.31	
20	64QAM	100	0	19.51	19.81	19.51	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.50	21.67	21.47	22.5
15	QPSK	1	37	21.66	21.47	21.61	
15	QPSK	1	74	21.47	21.61	21.34	
15	QPSK	36	0	20.74	20.66	20.64	21.5
15	QPSK	36	20	20.73	20.65	20.48	
15	QPSK	36	39	20.59	20.36	20.37	
15	QPSK	75	0	20.69	20.39	20.55	21.5
15	16QAM	1	0	20.46	20.55	20.75	
15	16QAM	1	37	20.60	20.77	20.39	
15	16QAM	1	74	20.46	20.83	20.44	20.5
15	16QAM	36	0	19.55	19.57	19.60	
15	16QAM	36	20	19.42	19.57	19.47	
15	16QAM	36	39	19.59	19.75	19.59	21.5
15	16QAM	75	0	19.80	19.72	19.79	
15	64QAM	1	0	20.44	20.84	20.59	
15	64QAM	1	37	20.61	20.80	20.56	20.5
15	64QAM	1	74	20.48	20.65	20.49	
15	64QAM	36	0	19.60	19.43	19.63	
15	64QAM	36	20	19.40	19.75	19.50	21.5
15	64QAM	36	39	19.57	19.61	19.41	
15	64QAM	75	0	19.39	19.63	19.51	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.47	21.66	21.65	22.5
10	QPSK	1	25	21.62	21.61	21.48	
10	QPSK	1	49	21.43	21.36	21.59	
10	QPSK	25	0	20.67	20.59	20.48	21.5
10	QPSK	25	12	20.43	20.73	20.42	
10	QPSK	25	25	20.74	20.62	20.65	
10	QPSK	50	0	20.53	20.44	20.54	21.5
10	16QAM	1	0	20.72	20.82	20.58	
10	16QAM	1	25	20.72	20.61	20.56	
10	16QAM	1	49	20.66	20.69	20.70	20.5
10	16QAM	25	0	19.48	19.81	19.64	
10	16QAM	25	12	19.37	19.70	19.57	
10	16QAM	25	25	19.75	19.49	19.73	21.5
10	16QAM	50	0	19.75	19.56	19.65	
10	64QAM	1	0	20.61	20.80	20.75	
10	64QAM	1	25	20.78	20.77	20.49	20.5
10	64QAM	1	49	20.49	20.60	20.49	
10	64QAM	25	0	19.75	19.53	19.76	
10	64QAM	25	12	19.71	19.43	19.52	20.5
10	64QAM	25	25	19.39	19.73	19.60	
10	64QAM	50	0	19.44	19.51	19.49	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.58	21.60	21.46	22.5
5	QPSK	1	12	21.55	21.58	21.53	
5	QPSK	1	24	21.48	21.49	21.30	
5	QPSK	12	0	20.48	20.81	20.74	21.5
5	QPSK	12	7	20.70	20.72	20.47	
5	QPSK	12	13	20.52	20.56	20.51	
5	QPSK	25	0	20.37	20.57	20.36	21.5
5	16QAM	1	0	20.69	20.58	20.38	
5	16QAM	1	12	20.70	20.47	20.70	
5	16QAM	1	24	20.76	20.70	20.47	20.5
5	16QAM	12	0	19.49	19.87	19.85	
5	16QAM	12	7	19.51	19.64	19.42	
5	16QAM	12	13	19.56	19.73	19.77	21.5
5	16QAM	25	0	19.46	19.78	19.68	
5	64QAM	1	0	20.49	20.84	20.73	
5	64QAM	1	12	20.67	20.55	20.78	20.5
5	64QAM	1	24	20.63	20.59	20.74	
5	64QAM	12	0	19.50	19.78	19.87	
5	64QAM	12	7	19.60	19.62	19.54	20.5
5	64QAM	12	13	19.42	19.70	19.63	
5	64QAM	25	0	19.36	19.82	19.40	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	21.43	21.67	21.66	22.5
3	QPSK	1	8	21.44	21.64	21.30	
3	QPSK	1	14	21.45	21.68	21.61	
3	QPSK	8	0	20.38	20.57	20.69	21.5
3	QPSK	8	4	20.62	20.56	20.61	
3	QPSK	8	7	20.57	20.57	20.36	

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	23.56	23.77	23.62	24.5
20	QPSK	1	49	23.42	23.59	23.56	
20	QPSK	1	99	23.75	23.56	23.48	
20	QPSK	50	0	22.62	22.48	22.42	23.5
20	QPSK	50	24	22.59	22.39	22.61	
20	QPSK	50	50	22.54	22.53	22.67	
20	QPSK	100	0	22.64	22.64	22.30	23.5
20	16QAM	1	0	22.45	22.76	22.36	
20	16QAM	1	49	22.60	22.56	22.74	
20	16QAM	1	99	22.51	22.61	22.66	22.5
20	16QAM	50	0	21.58	21.86	21.69	
20	16QAM	50	24	21.63	21.59	21.63	
20	16QAM	50	50	21.70	21.88	21.74	23.5
20	16QAM	100	0	21.45	21.89	21.45	
20	64QAM	1	0	22.67	22.80	22.56	
20	64QAM	1	49	22.61	22.56	22.43	22.5
20	64QAM	1	99	22.65	22.39	22.57	
20	64QAM	50	0	21.58	21.52	21.51	
20	64QAM	50	24	21.57	21.60	21.38	22.5
20	64QAM	50	50	21.37	21.34	21.67	
20	64QAM	100	0	21.45	21.72	21.49	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.53	23.30	23.50	24.5
15	QPSK	1	37	23.53	23.53	23.42	
15	QPSK	1	74	23.26	23.13	23.48	
15	QPSK	36	0	22.29	22.52	22.55	23.5
15	QPSK	36	20	22.28	22.53	22.19	
15	QPSK	36	39	22.32	22.50	22.48	
15	QPSK	75	0	22.41	22.44	22.31	23.5
15	16QAM	1	0	22.57	22.40	22.39	
15	16QAM	1	37	22.23	22.45	22.23	
15	16QAM	1	74	22.49	22.54	22.23	22.5
15	16QAM	36	0	21.59	21.59	21.33	
15	16QAM	36	20	21.47	21.52	21.40	
15	16QAM	36	39	21.69	21.62	21.39	23.5
15	16QAM	75	0	21.44	21.38	21.35	
15	64QAM	1	0	22.54	22.46	22.39	
15	64QAM	1	37	22.43	22.39	22.19	22.5
15	64QAM	1	74	22.53	22.37	22.37	
15	64QAM	36	0	21.38	21.39	21.46	
15	64QAM	36	20	21.19	21.19	21.14	22.5
15	64QAM	36	39	21.41	21.15	21.21	
15	64QAM	75	0	21.52	21.38	21.43	
Channel				133172	133272	133422	
Frequency (MHz)				668	678	683	
10	QPSK	1	0	23.59	23.62	23.56	24.5
10	QPSK	1	25	23.55	23.19	23.33	
10	QPSK	1	49	23.42	23.27	23.40	
10	QPSK	25	0	22.25	22.35	22.37	23.5
10	QPSK	25	12	22.34	22.45	22.18	
10	QPSK	25	25	22.29	22.38	22.49	
10	QPSK	50	0	22.39	22.45	22.38	23.5
10	16QAM	1	0	22.52	22.49	22.24	
10	16QAM	1	25	22.28	22.29	22.20	
10	16QAM	1	49	22.49	22.66	22.39	22.5
10	16QAM	25	0	21.46	21.59	21.38	
10	16QAM	25	12	21.27	21.46	21.36	
10	16QAM	25	25	21.51	21.44	21.41	23.5
10	16QAM	50	0	21			

3	QPSK	15	0	20.65	20.52	20.66	21.5
3	16QAM	1	0	20.78	20.75	20.51	
3	16QAM	1	8	20.39	20.57	20.52	
3	16QAM	1	14	20.61	20.75	20.45	20.5
3	16QAM	8	0	19.63	19.95	19.57	
3	16QAM	8	4	19.60	19.79	19.64	
3	16QAM	8	7	19.87	19.62	19.71	21.5
3	16QAM	15	0	19.77	19.81	19.70	
3	64QAM	1	0	20.65	20.89	20.56	
3	64QAM	1	8	20.51	20.70	20.67	20.5
3	64QAM	1	14	20.43	20.61	20.52	
3	64QAM	8	0	19.66	19.54	19.58	
3	64QAM	8	4	19.35	19.57	19.35	21.5
3	64QAM	8	7	19.47	19.62	19.30	
3	64QAM	15	0	19.41	19.69	19.70	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.46	21.62	21.50	22.5
1.4	QPSK	1	3	21.45	21.51	21.67	
1.4	QPSK	1	5	21.56	21.63	21.32	
1.4	QPSK	3	0	20.67	20.72	20.66	
1.4	QPSK	3	1	20.56	20.56	20.74	
1.4	QPSK	3	3	20.57	20.65	20.71	
1.4	QPSK	6	0	20.68	20.66	20.62	21.5
1.4	16QAM	1	0	20.83	20.59	20.57	21.5
1.4	16QAM	1	3	20.53	20.57	20.60	
1.4	16QAM	1	5	20.58	20.53	20.56	
1.4	16QAM	3	0	19.71	19.57	19.75	
1.4	16QAM	3	1	19.61	19.56	19.77	
1.4	16QAM	3	3	19.60	19.61	19.76	
1.4	16QAM	6	0	19.67	19.65	19.70	20.5
1.4	64QAM	1	0	20.66	20.66	20.43	21.5
1.4	64QAM	1	3	20.56	20.83	20.41	
1.4	64QAM	1	5	20.78	20.53	20.58	
1.4	64QAM	3	0	19.67	19.65	19.64	
1.4	64QAM	3	1	19.61	19.60	19.63	
1.4	64QAM	3	3	19.66	19.54	19.52	
1.4	64QAM	6	0	19.60	19.74	19.62	20.5

Band 38(only on channel required) (dBm)							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.58	22.68	22.62	
20	QPSK	1	49	22.45	22.58	22.60	23.5
20	QPSK	1	99	22.48	22.47	22.45	
20	QPSK	50	0	21.51	21.62	21.49	
20	QPSK	50	24	21.69	21.47	21.55	22.5
20	QPSK	50	50	21.73	21.38	21.50	
20	QPSK	100	0	21.58	21.45	21.36	
20	16QAM	1	0	21.70	21.63	21.73	22.5
20	16QAM	1	49	21.71	21.57	21.72	
20	16QAM	1	99	21.48	21.61	21.34	
20	16QAM	50	0	20.59	20.65	20.79	21.5
20	16QAM	50	24	20.40	20.75	20.58	
20	16QAM	50	50	20.65	20.84	20.81	
20	16QAM	100	0	20.59	20.87	20.66	22.5
20	64QAM	1	0	21.58	21.52	21.73	
20	64QAM	1	49	21.64	21.74	21.45	
20	64QAM	1	99	21.46	21.65	21.62	21.5
20	64QAM	50	0	20.53	20.47	20.54	
20	64QAM	50	24	20.73	20.55	20.53	
20	64QAM	50	50	20.37	20.46	20.30	22.5
20	64QAM	100	0	20.56	20.78	20.49	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.61	22.65	22.59	
15	QPSK	1	37	22.48	22.61	22.54	23.5
15	QPSK	1	74	22.42	22.53	22.49	
15	QPSK	38	0	21.67	21.41	21.38	
15	QPSK	38	20	21.52	21.53	21.45	22.5
15	QPSK	38	39	21.66	21.48	21.48	
15	QPSK	75	0	21.53	21.44	21.52	
15	16QAM	1	0	21.83	21.53	21.58	22.5
15	16QAM	1	37	21.67	21.56	21.52	
15	16QAM	1	74	21.44	21.48	21.66	
15	16QAM	38	0	20.59	20.83	20.73	21.5
15	16QAM	38	20	20.44	20.64	20.49	
15	16QAM	38	39	20.55	20.79	20.58	
15	16QAM	75	0	20.57	20.55	20.75	22.5
15	64QAM	1	0	21.69	21.83	21.46	
15	64QAM	1	37	21.76	21.83	21.72	
15	64QAM	1	74	21.72	21.65	21.48	21.5
15	64QAM	38	0	20.57	20.55	20.79	
15	64QAM	38	20	20.45	20.70	20.63	
15	64QAM	38	39	20.64	20.37	20.48	22.5
15	64QAM	75	0	20.68	20.52	20.53	
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.60	22.62	22.46	
10	QPSK	1	25	22.56	22.59	22.49	23.5
10	QPSK	1	49	22.47	22.45	22.60	
10	QPSK	25	0	21.49	21.71	21.54	
10	QPSK	25	12	21.53	21.68	21.51	22.5
10	QPSK	25	25	21.60	21.55	21.57	
10	QPSK	50	0	21.41	21.44	21.41	
10	16QAM	1	0	21.57	21.63	21.49	22.5
10	16QAM	1	25	21.46	21.58	21.56	
10	16QAM	1	49	21.52	21.60	21.72	
10	16QAM	25	0	20.70	20.92	20.78	21.5
10	16QAM	25	12	20.58	20.57	20.62	
10	16QAM	25	25	20.83	20.61	20.79	
10	16QAM	50	0	20.70	20.73	20.61	22.5
10	64QAM	1	0	21.57	21.78	21.73	
10	64QAM	1	25	21.47	21.63	21.61	
10	64QAM	1	49	21.57	21.51	21.75	21.5
10	64QAM	25	0	20.55	20.47	20.71	
10	64QAM	25	12	20.51	20.38	20.72	
10	64QAM	25	25	20.41	20.53	20.65	22.5
10	64QAM	50	0	20.51	20.74	20.67	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.56	22.64	22.60	
5	QPSK	1	12	22.64	22.59	22.34	23.5
5	QPSK	1	24	22.54	22.60	22.45	
5	QPSK	12	0	21.71	21.77	21.75	
5	QPSK	12	7	21.72	21.63	21.53	22.5
5	QPSK	12	13	21.42	21.54	21.71	
5	QPSK	25	0	21.58	21.69	21.46	
5	16QAM	1	0	21.64	21.54	21.74	22.5
5	16QAM	1	12	21.66	21.54	21.64	
5	16QAM	1	24	21.80	21.51	21.54	
5	16QAM	12	0	20.78	20.68	20.62	21.5
5	16QAM	12	7	20.52	20.76	20.60	
5	16QAM	12	13	20.65	20.68	20.81	
5	16QAM	25	0	20.75	20.76	20.63	22.5
5	64QAM	1	0	21.69	21.67	21.58	
5	64QAM	1	12	21.81	21.56	21.77	
5	64QAM	1	24	21.56	21.68	21.41	21.5
5	64QAM	12	0	20.57	20.65	20.57	
5	64QAM	12	7	20.44	20.69	20.57	
5	64QAM	12	13	20.54	20.70	20.54	22.5
5	64QAM	25	0	20.62	20.62	20.55	

Band 41 (2496~2690MHz) (dBm)										
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)	
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.95	23.08	23.37	23.19	22.89		
20	QPSK	1	49	22.99	23.08	23.12	23.04	23.05	24	
20	QPSK	1	99	23.00	23.17	23.13	23.18	23.06		
20	QPSK	50	0	21.95	21.98	22.04	22.03	22.05		
20	QPSK	50	24	21.98	22.33	22.08	22.23	22.08	23	
20	QPSK	50	50	22.21	22.35	22.32	22.27	22.00		
20	QPSK	100	0	22.07	22.30	21.99	21.96	22.16		
20	16QAM	1	0	22.14	22.38	22.51	22.11	21.96	23	
20	16QAM	1	49	22.12	22.17	22.08	22.30	22.21		
20	16QAM	1	99	21.98	22.18	22.39	21.99	21.98		
20	16QAM	50	0	21.28	21.42	21.20	21.09	21.29	22	
20	16QAM	50	24	21.36	21.16	21.24	21.27	21.36		
20	16QAM	50	50	21.19	21.49	21.22	21.16	21.19		
20	16QAM	100	0	21.18	21.31	21.30	21.06	21.29	23	
20	64QAM	1	0	22.33	22.25	22.29	22.43	22.09		
20	64QAM	1	49	22.09	22.12	22.23	22.11	22.01		
20	64QAM	1	99	22.19	22.23	21.99	22.33	22.01	22	
20	64QAM	50	0	21.28	21.13	21.06	21.27	21.14		
20	64QAM	50	24	21.15	21.14	21.37	20.98	21.27		
20	64QAM	50	50	21.02	21.27	21.05	21.17	20.92	23	
20	64QAM	100	0	20.96	21.20	21.38	21.12	21.00		
Channel				39725	40173	40620	41098	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.89	23.23	23.12	23.04	22.70		
15	QPSK	1	37	22.90	23.24	23.25	23.16	22.98	24	
15	QPSK	1	74	23.01	22.98	23.22	23.24	23.17		
15	QPSK	38	0	21.82	22.14	21.99	22.06	22.25		
15	QPSK	38	20	22.16	22.22	21.97	22.28	22.02	23	
15	QPSK	38	39	22.02	22.25	22.21	22.23	21.86		
15	QPSK	75	0	22.00	22.10	22.08	21.84	22.36		
15	16QAM	1	0	22.04	22.41	22.68	21.93	21.96	23	
15	16QAM	1	37	22.28	22.28	22.03	22.44	22.15		
15	16QAM	1	74	21.83	22.15	22.42	21.83	22.19		
15	16QAM	38	0	21.25	21.43	21.30	21.04	21.32	22	
15	16QAM	38	20	21.51	21.04	21.26	21.30	21.24		
15	16QAM	38	39	21.16	21.49	21.41	21.19	21.29		
15	16QAM	75	0	21.19	21.40	21.29	20.86	21.39	23	
15	64QAM	1	0	22.26	22.19	22.39	22.52	22.10		
15	64QAM	1	37	22.29	22.29	22.37	22.13	21.96		
15	64QAM	1	74	22.32	22.33	22.19	22.18	22.01	22	
15	64QAM	38	0	21.35	21.13	21.19	21.35	21.29		
15	64QAM	38	20	21.19	21.28	21.54	21.09	21.37		
15	64QAM	38	39	20.95	21.16	21.06	21.04	20.82	23	
15	64QAM	75	0	20.92	21.06	21.13	21.03	20.98		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2636	2685		
10	QPSK	1	0	23.14	23.01	23.27	22.99	22.89		
10	QPSK	1	25	22.80	23.12	22.95	23.24	23.23	24	
10	QPSK	1	49	23.02	23.03	22.98	23.31	23.03		
10	QPSK	25	0	22.10	21.94	21.94	21.85	21.87		
10	QPSK	25	12	21.94	22.38	22.17	22.22	22.20	23	
10	QPSK	25	25	22.27	22.16	22.38				

Band 42 (3.5G Band) (dBm)

BW [MHz]	Modulation	RB Size	RB Offset	Low channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.63	22.76	22.58	23.5
20	QPSK	1	49	22.53	22.55	22.70	
20	QPSK	1	99	22.31	22.26	22.59	
20	QPSK	50	0	21.60	21.76	21.68	22.5
20	QPSK	50	24	21.59	21.75	21.62	
20	QPSK	50	50	21.59	21.58	21.73	
20	QPSK	100	0	21.30	21.64	21.33	22.5
20	16QAM	1	0	21.62	21.64	21.72	
20	16QAM	1	49	21.54	21.54	21.80	
20	16QAM	1	99	21.72	21.50	21.45	21.5
20	16QAM	50	0	20.45	20.61	20.65	
20	16QAM	50	24	20.68	20.73	20.41	
20	16QAM	50	50	20.62	20.45	20.50	22.5
20	16QAM	100	0	20.67	20.36	20.50	
20	64QAM	1	0	21.57	21.61	21.59	
20	64QAM	1	49	21.43	21.49	21.53	21.5
20	64QAM	1	99	21.73	21.41	21.15	
20	64QAM	50	0	20.80	20.32	20.59	
20	64QAM	50	24	20.82	20.41	20.62	22.5
20	64QAM	50	50	20.51	20.40	20.29	
20	64QAM	100	0	20.79	20.29	20.45	
Channel				42165	42590	43015	
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	22.43	22.71	22.58	23.5
15	QPSK	1	37	22.38	22.44	22.47	
15	QPSK	1	74	22.54	22.52	22.56	
15	QPSK	36	0	21.49	21.90	21.79	22.5
15	QPSK	36	20	21.39	21.47	21.37	
15	QPSK	36	39	21.54	21.68	21.53	
15	QPSK	75	0	21.62	21.69	21.46	22.5
15	16QAM	1	0	21.64	21.58	21.69	
15	16QAM	1	37	21.42	21.56	21.86	
15	16QAM	1	74	21.52	21.73	21.25	21.5
15	16QAM	36	0	20.39	20.77	20.67	
15	16QAM	36	20	20.64	20.45	20.89	
15	16QAM	36	39	20.59	20.57	20.84	22.5
15	16QAM	75	0	20.39	20.36	20.31	
15	64QAM	1	0	21.50	21.70	21.54	
15	64QAM	1	37	21.38	21.32	21.58	21.5
15	64QAM	1	74	21.53	21.54	21.31	
15	64QAM	36	0	20.94	20.30	20.58	
15	64QAM	36	20	20.83	20.56	20.46	22.5
15	64QAM	36	39	20.42	20.20	20.41	
15	64QAM	75	0	20.43	20.43	20.50	
Channel				42140	42590	43040	
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	22.39	22.65	22.62	23.5
10	QPSK	1	25	22.31	22.46	22.37	
10	QPSK	1	49	22.53	22.29	22.43	
10	QPSK	25	0	21.68	21.75	21.60	22.5
10	QPSK	25	12	21.44	21.58	21.62	
10	QPSK	25	25	21.70	21.59	21.46	
10	QPSK	50	0	21.48	21.70	21.27	22.5
10	16QAM	1	0	21.90	21.58	21.52	
10	16QAM	1	25	21.54	21.45	21.50	
10	16QAM	1	49	21.52	21.58	21.28	21.5
10	16QAM	25	0	20.55	20.81	20.72	
10	16QAM	25	12	20.62	20.83	20.43	
10	16QAM	25	25	20.39	20.30	20.79	22.5
10	16QAM	50	0	20.59	20.64	20.57	
10	64QAM	1	0	21.73	21.71	21.43	
10	64QAM	1	25	21.51	21.49	21.29	21.5
10	64QAM	1	49	21.58	21.44	21.19	
10	64QAM	25	0	20.62	20.51	20.53	
10	64QAM	25	12	20.62	20.61	20.65	22.5
10	64QAM	25	25	20.57	20.16	20.33	
10	64QAM	50	0	20.72	20.31	20.44	
Channel				42115	42590	43065	
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	22.60	22.70	22.60	23.5
5	QPSK	1	12	22.32	22.44	22.46	
5	QPSK	1	24	22.38	22.36	22.52	
5	QPSK	12	0	21.82	21.69	21.69	22.5
5	QPSK	12	7	21.33	21.53	21.73	
5	QPSK	12	13	21.77	21.50	21.41	
5	QPSK	25	0	21.31	21.42	21.23	22.5
5	16QAM	1	0	21.86	21.82	21.53	
5	16QAM	1	12	21.22	21.46	21.87	
5	16QAM	1	24	21.74	21.51	21.58	21.5
5	16QAM	12	0	20.46	20.50	20.40	
5	16QAM	12	7	20.54	20.53	20.40	
5	16QAM	12	13	20.50	20.58	20.54	22.5
5	16QAM	25	0	20.44	20.49	20.63	
5	64QAM	1	0	21.47	21.89	21.39	
5	64QAM	1	12	21.71	21.28	21.55	21.5
5	64QAM	1	24	21.43	21.70	21.48	
5	64QAM	12	0	20.88	20.48	20.31	
5	64QAM	12	7	20.80	20.71	20.50	22.5
5	64QAM	12	13	20.80	20.54	20.31	
5	64QAM	25	0	20.67	20.29	20.31	

CA_7C										
Combination:20MHz+20MHz(100RB+100RB)										
PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
			RB Size	RB Offset	RB Size	RB Offset				
20850	21048	QPSK	1	0	0	0	1	0	19.15	20.00
21001	21199	QPSK	1	0	0	0	1	0	19.32	20.00
21152	21350	QPSK	1	0	0	0	1	0	19.19	20.00
20850	21048	16QAM	1	0	0	0	1	0	18.75	19.50
21001	21199	16QAM	1	0	0	0	1	0	18.79	19.50
21152	21350	16QAM	1	0	0	0	1	0	18.63	19.50
20850	21048	64QAM	1	0	0	0	1	0	18.64	19.50
21001	21199	64QAM	1	0	0	0	1	0	18.70	19.50
21152	21350	64QAM	1	0	0	0	1	0	18.66	19.50
20850	21048	QPSK	50	0	0	0	1	0	18.69	19.50
21001	21199	QPSK	50	0	0	0	1	0	18.81	19.50
21152	21350	QPSK	50	0	0	0	1	0	18.72	19.50

CA_41C										
Combination:20MHz+20MHz(100RB+100RB)										
PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
			RB Size	RB Offset	RB Size	RB Offset				
39750	39948	QPSK	1	0	0	0	1	0	19.20	20.00
40521	40719	QPSK	1	0	0	0	1	0	19.39	20.00
41292	41490	QPSK	1	0	0	0	1	0	19.15	20.00
39750	39948	16QAM	1	0	0	0	1	0	18.69	18.50
40521	40719	16QAM	1	0	0	0	1	0	18.95	18.50
41292	41490	16QAM	1	0	0	0	1	0	18.74	18.50
39750	39948	64QAM	1	0	0	0	1	0	18.72	18.50
40521	40719	64QAM	1	0	0	0	1	0	18.85	18.50
41292	41490	64QAM	1	0	0	0	1	0	18.80	18.50
39750	39948	QPSK	50	0	0	0	1	0	18.66	18.50
40521	40719	QPSK	50	0	0	0	1	0	18.75	18.50
41292	41490	QPSK	50	0	0	0	1	0	18.70	18.50

2CC LTE Downlink												
Configure	CA Configuration	PCC					SCC				Power	
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Intra-band & Inter-band	CA_2A-4A	2	20	18700	1860.0	QPSK/1#0	4	20	2300	2145.0	22.59	22.66
	CA_2A-5A	2	20	18700	1860.0	QPSK/1#0	5	10	2600	889.0	22.60	22.66
	CA_2C-5A	2	20	18801	1870.1	QPSK/1#0	5	10	2600	889.0	22.32	22.66
	CA_2A-5B	2	20	18700	1860.0	QPSK/1#0	12	5	2476	876.6	22.40	22.66
	CA_2A-13A	2	20	18700	1860.0	QPSK/1#0	13	10	5230	751.0	22.59	22.66
	CA_2A-66A	2	20	18700	1860.0	QPSK/1#0	66	20	67236	2190.0	22.64	22.66
	CA_2C-66A	2	20	18801	1870.1	QPSK/1#0	66	20	67236	2190.0	22.30	22.66
	CA_2A-66B	2	20	18700	1860.0	QPSK/1#0	66	10	66936	2160.0	22.32	22.66
	CA_2A-66C	2	20	18700	1860.0	QPSK/1#0	66	20	66985	2164.9	22.28	22.66
	CA_2A-71A	2	20	18700	1860.0	QPSK/1#0	71	20	68786	782	22.55	22.66
	CA_4A-5A	4	20	20050	1720.0	QPSK/1#0	5	10	2600	889.0	22.57	22.81
	CA_4A-5B	4	20	20050	1720.0	QPSK/1#0	5	10	2575	886.5	22.42	22.81
	CA_4A-13A	4	20	20050	1720.0	QPSK/1#0	13	10	5230	751.0	22.60	22.81
	CA_5A-66C	5	10	20450	829.0	QPSK/1#0	66	20	66985	2164.9	22.85	23.33
	CA_5A-66A	5	10	20450	829.0	QPSK/1#0	66	20	67236	2190.0	22.91	23.33
	CA_5B-66A	5	10	20501	834.1	QPSK/1#0	66	20	67236	2190.0	22.94	23.33
	CA_5A-66B	2	10	20450	829.0	QPSK/1#0	66	20	66936	2160.0	22.87	23.33
	CA_13A-66A	13	10	23230	782.0	QPSK/1#0	66	20	67236	2190.0	23.05	23.58
	CA_13A-66B	13	10	23230	782.0	QPSK/1#0	66	20	66936	2160.0	23.09	23.58
	CA_13A-66C	13	10	23230	782.0	QPSK/1#0	66	20	66985	2164.9	23.06	23.58
	CA_2C	2	20	18801	1870.1	QPSK/1#0	2	20	999	1969.9	22.22	22.66
	CA_2A-2A	2	20	18700	1860.0	QPSK/1#0	2	20	1100	1980	22.31	22.66
	CA_4A-4A	4	20	20050	1720.0	QPSK/1#0	4	20	2300	2145.0	22.35	22.81
	CA_5B	5	10	20501	834.1	QPSK/1#0	5	10	2476	876.6	23.68	23.33
	CA_5A-5A	5	10	20450	829.0	QPSK/1#0	5	10	2600	889.0	23.70	23.33
	CA_66A-66B	66	20	132072	1720.0	QPSK/1#0	66	20	66936	2160.0	22.27	22.75
	CA_66A-66C	66	20	132072	1720.0	QPSK/1#0	66	20	66985	2164.9	22.25	22.75
	CA_66A-66A	66	20	132072	1720.0	QPSK/1#0	66	20	67036	2170.0	22.34	22.75
	CA_66B	66	20	132373	1750.1	QPSK/1#0	66	20	66936	2160.0	22.30	22.75
	CA_66C	66	20	132323	1745.1	QPSK/1#0	66	20	66985	2164.9	22.33	22.75
	CA_66D	66	20	132072	1720.0	QPSK/1#0	66	20	66932	2159.6	22.29	22.75

3CC LTE Downlink																
Configure	CA Configuration	PCC					SCC1				SCC2				Power	
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Intra-band & Inter-band	CA_2A-2A-4A	2	20	18700	1860	QPSK/1#0	2	20	1100	1980	4	20	2300	2145	22.20	22.66
	CA_2A-2A-5A	2	20	18700	1860	QPSK/1#0	2	20	1100	1980	5	10	2600	889.0	22.25	22.66
	CA_2A-2A-13A	2	20	18700	1860	QPSK/1#0	2	20	1100	1980	13	10	5230	751.0	22.31	22.66
	CA_2A-2A-66A	2	20	18700	1860	QPSK/1#0	2	20	1100	1980	66	20	67236	2190.0	22.21	22.66
	CA_2A-4A-4A	2	20	18700	1860	QPSK/1#0	4	20	2050	2120.0	4	10	2300	2145.0	22.32	22.66
	CA_2A-4A-5A	2	20	18700	1860	QPSK/1#0	4	20	2300	2145.0	5	10	2600	889.0	22.19	22.66
	CA_2A-4A-13A	2	20	18700	1860	QPSK/1#0	4	20	2300	2145.0	13	10	5230	751.0	22.27	22.66
	CA_2A-5A-66A	2	20	18700	1860	QPSK/1#0	5	10	2600	889.0	66	20	67360	2190	22.24	22.66
	CA_2A-13A-66A	2	20	18700	1860	QPSK/1#0	13	10	5230	751.0	66	20	67360	2190	22.32	22.66
	CA_2A-66A-66A	2	20	18700	1860	QPSK/1#0	66	20	66536	2120.0	66	20	67236	2190.0	22.28	22.66
	CA_4A-4A-5A	4	20	20050	1720.0	QPSK/1#0	4	20	2300	2145.0	5	10	2600	889.0	22.36	22.81
	CA_4A-4A-13A	4	20	20050	1720.0	QPSK/1#0	4	20	2300	2145.0	13	10	5230	751.0	22.29	22.81
	CA_5A-5A-66A	5	10	20450	829.0	QPSK/1#0	5	10	2600	889.0	66	20	67236	2190.0	23.66	23.33
	CA_5A-66A-66A	5	10	20450	829.0	QPSK/1#0	66	20	66536	2120.0	66	20	67236	2190.0	23.59	23.33
	CA_13A-66A-66A	13	10	23230	782.0	QPSK/1#0	66	20	66536	2120.0	66	20	67236	2190.0	23.74	23.58

2.4GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 1	2412	14.03	13.00	13.00	99.19
	CH 6	2437	13.97	14.00	13.00	
	CH 11	2462	13.79	14.00	13.00	
	CH 1	2412	13.58	13.00	13.00	
	CH 6	2437	13.45	14.00	13.00	
	CH 11	2462	13.41	14.00	13.00	
802.11g 8Mbps	CH 1	2412	13.50	13.00	13.00	90.04
	CH 6	2437	13.20	14.00	13.00	
	CH 11	2462	13.16	14.00	13.00	
802.11n HT20 MCS0	CH 1	2412	13.50	13.00	13.00	94.97
	CH 6	2437	13.20	14.00	13.00	
	CH 11	2462	13.16	14.00	13.00	
802.11n HT40 MCS0	CH 3	2427	14.64	13.00	13.00	90.28
	CH 6	2437	13.54	13.00	13.00	
	CH 9	2442	13.70	13.00	13.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 36	5180	11.81	12.00	13.00	95.48
	CH 44	5220	12.17	13.00	13.00	
	CH 48	5240	12.19	13.00	13.00	
802.11n HT20 MCS0	CH 36	5180	11.62	12.00	13.00	95.00
	CH 44	5220	11.91	12.00	13.00	
	CH 48	5240	11.90	12.00	13.00	
802.11n HT40 MCS0	CH 36	5180	12.20	13.00	13.00	90.76
	CH 48	5240	12.22	13.00	13.00	
	CH 56	5280	11.47	13.00	13.00	
802.11ac VHT20 MCS0	CH 44	5220	11.68	12.00	13.00	95.00
	CH 48	5240	11.97	12.00	13.00	
	CH 56	5280	12.26	13.00	13.00	
802.11ac VHT40 MCS0	CH 56	5280	12.26	13.00	13.00	83.26
	CH 42	5210	12.01	13.00	13.00	

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 146	5745	14.22	13.00	13.00	95.48
	CH 157	5785	13.97	13.00	13.00	
	CH 165	5825	12.18	13.00	13.00	
802.11n HT20 MCS0	CH 146	5745	13.97	14.00	13.00	95.00
	CH 157	5785	11.85	12.00	13.00	
	CH 165	5825	11.76	13.00	13.00	
802.11n HT40 MCS0	CH 151	5795	14.46	13.00	13.00	90.76
	CH 159	5765	12.20	13.00	13.00	
	CH 149	5745	13.55	14.00	13.00	
802.11n VHT20 MCS0	CH 157	5785	11.90	12.00	13.00	95.00
	CH 165	5825	11.88	12.00	13.00	
	CH 151	5795	14.48	13.00	13.00	
802.11ac VHT40 MCS0	CH 159	5765	11.80	12.00	13.00	83.26
	CH 165	5825	14.46	13.00	13.00	

5GHz WLAN ANT 1+2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 146	5745	N/A	N/A	N/A	N/A
	CH 157	5785	N/A	N/A	N/A	
	CH 165	5825	N/A	N/A	N/A	
802.11n HT20 MCS0	CH 146	5745	16.23	17.00	13.00	95.00
	CH 157	5785	15.05	16.00	13.00	
	CH 165	5825	15.31	16.00	17.00	
802.11n HT40 MCS0	CH 159	5765	15.08	16.00	13.00	90.76
	CH 146	5745	16.22	17.00	13.00	
	CH 157	5785	15.05	16.00	16.00	
802.11n VHT20 MCS0	CH 165	5825	15.19	16.00	13.00	90.76
	CH 159	5765	14.77	15.00	13.00	
	CH 146	5745	14.91	15.00	13.00	
802.11ac VHT40 MCS0	CH 159	5765	15.08	16.00	13.00	83.26
	CH 165	5825	15.88	16.00	16.00	

5.8GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 146	5745	12.05	13.00	11.00	95.48
	CH 157	5785	12.10	13.00	11.00	
	CH 165	5825	12.41	13.00	11.00	
802.11n HT20 MCS0	CH 146	5745	11.82	12.00	11.00	95.00
	CH 157	5785	11.77	12.00	11.00	
	CH 165	5825	12.18	13.00	11.00	
802.11n HT40 MCS0	CH 159	5765	12.11	13.00	11.00	90.76
	CH 146	5745	11.78	12.00	11.00	
	CH 157	5785	11.81	12.00	11.00	
802.11n VHT20 MCS0	CH 165	5825	12.07	13.00	11.00	95.00
	CH 151	5795	12.25	13.00	11.00	
	CH 159	5765	12.16	13.00	11.00	
802.11ac VHT40 MCS0	CH 159	5765	12.16	13.00	11.00	83.26
	CH 165	5825	12.35	13.00	11.00	

5.8GHz WLAN ANT 1+2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 146	5745	N/A	N/A	N/A	N/A
	CH 157	5785	N/A	N/A	N/A	
	CH 165	5825	N/A	N/A	N/A	
802.11n HT20 MCS0	CH 146	5745	15.46	16.00	17.00	95.00
	CH 157	5785	15.05	16.00	16.00	
	CH 165	5825	15.31	16.00	17.00	
802.11n HT40 MCS0	CH 159	5765	15.08	16.00	13.00	90.76
	CH 146	5745	16.22	17.00	13.00	
	CH 157	5785	15.05	16.00	16.00	
802.11n VHT20 MCS0	CH 165	5825	15.19	16.00	13.00	90.76
	CH 159	5765	14.77	15.00	13.00	
	CH 146	5745	14.91	15.00	13.00	
802.11ac VHT40 MCS0	CH 159	5765	15.08	16.00	13.00	83.26
	CH 165	5825	15.88	16.00	16.00	

2.4GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 1	2412	13.40	14.00	13.00	99.19
	CH 6	2437	13.78	14.00	13.00	
	CH 11	2462	13.20	14.00	13.00	
	CH 1	2412	13.03	14.00	13.00	
	CH 6	2437	13.24	14.00	13.00	
	CH 11	2462	12.81	13.00	13.00	
802.11g 8Mbps	CH 1	2412	12.76	13.00	13.00	94.97
	CH 6	2437	13.00	14.00	13.00	
	CH 11	2462	13.00	13.00	13.00	
802.11n HT20 MCS0	CH 1	2412	12.76	13.00	13.00	94.97
	CH 6	2437	13.00	14.00	13.00	
	CH 11	2462	13.00	13.00	13.00	
802.11n HT40 MCS0	CH 3	2427	12.73	13.00	13.00	90.28
	CH 6	2437	12.68	13.00	13.00	
	CH 9	2442	11.95	12.00	13.00	

5.2GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 36	5180	11.21	12.00	11.00	95.48
	CH 44	5220	11.45	12.00	11.00	
	CH 48	5240	11.47	12.00	11.00	
802.11n HT20 MCS0	CH 36	5180	10.96	11.00	11.00	95.00
	CH 44	5220	11.19	12.00	11.00	
	CH 48	5240	11.20	12.00	11.00	
802.11n HT40 MCS0	CH 36	5180	11.29	12.00	11.00	90.76
	CH 48	5240	11.84	12.00	11.00	
	CH 56	5280	10.95	11.00	11.00	
802.11ac VHT20 MCS0	CH 44	5220	11.17	12.00	11.00	95.00
	CH 48	5240	11.28	12.00	11.00	
	CH 56	5280	11.43	12.00	11.00	
802.11ac VHT40 MCS0	CH 48	5240	11.46	12.00	11.00	83.26
	CH 42	5210	11.22	12.00	11.00	

5.8GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 146	5745	12.05	13.00	11.00	95.48
	CH 157	5785	12.10	13.00	11.00	
	CH 165	5825	12.41	13.00	11.00	
802.11n HT20 MCS0	CH 146	5745	11.82	12.00	11.00	95.00
	CH 157	5785	11.77	12.00	11.00	
	CH 165	5825	12.18	13.00	11.00	
802.11n HT40 MCS0	CH 159	5765	12.11	13.00	11.00	90.76
	CH 146	5745	11.78	12.00	11.00	
	CH 157	5785	11.81	12.00	11.00	
802.11n VHT20 MCS0	CH 165	5825	12.07	13.00	11.00	95.00
	CH 151	5795	12.25	13.00	11.00	
	CH 159	5765	12.16	13.00	11.00	
802.11ac VHT40 MCS0	CH 159	5765	12.16	13.00	11.00	83.26
	CH 165	5825	12.35	13.00	11.00	

5.8GHz WLAN ANT 1+2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 146	5745	N/A	N/A	N/A	N/A
	CH 157	5785	N/A	N/A	N/A	
	CH 165	5825	N/A	N/A	N/A	
802.11n HT20 MCS0	CH 146	5745	15.46	16.00	17.00	95.00
	CH 157	5785	15.05	16.00	16.00	
	CH 165	5825	15.31	16.00	17.00	
802.11n HT40 MCS0	CH 159	5765	15.08	16.00	13.00	90.76
	CH 146	5745	16.22	17.00	13.00	
	CH 157	5785	15.05	16.00	16.00	
802.11n VHT20 MCS0	CH 165	5825	15.19	16.00	13.00	90.76
	CH 159	5765	14.77	15.00	13.00	
	CH 146	5745	14.91	15.00	13.00	
802.11ac VHT40 MCS0	CH 159	5765	15.08	16.00	13.00	83.26
	CH 165	5825	15.88	16.00	16.00	

5.8GHz WLAN ANT 1+2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 8Mbps	CH 146	5745	N/A	N/A	N/A	N/A
	CH 157	5785	N/A	N/A	N/A	
	CH 165	5825	N/A	N/A	N/A	
802.11n HT20 MCS0	CH 146	5745	15.46	16.00	17.00	95.00
	CH 157	5785	15.05	16.00	16.00	
	CH 165	5825	15.31	16.00	17.00	
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