



Appendix D. Output Power Measurement

GSM850_Ant 0_Index 2/5	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.18	32.15	32.22	33.50	23.18	23.15	23.22	24.50
GPRS 1 Tx slot	32.21	32.22	32.28	33.50	23.21	23.22	23.28	24.50
GPRS 2 Tx slots	31.52	31.39	31.52	32.50	25.52	25.39	25.52	26.50
GPRS 3 Tx slots	29.98	29.81	30.00	31.50	25.72	25.55	25.74	27.24
GPRS 4 Tx slots	28.88	28.65	28.76	30.00	25.88	25.65	25.76	27.00
EDGE 1 Tx slot	26.59	26.69	26.82	28.00	17.59	17.69	17.82	19.00
EDGE 2 Tx slots	25.99	26.00	26.00	27.50	19.99	20.00	20.00	21.50
EDGE 3 Tx slots	25.76	25.88	25.96	27.50	21.50	21.62	21.70	23.24
EDGE 4 Tx slots	24.04	24.13	24.17	25.50	21.04	21.13	21.17	22.50

GSM850_Ant 0_Index 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.18	32.15	32.22	33.50	23.18	23.15	23.22	24.50
GPRS 1 Tx slot	32.21	32.22	32.28	33.50	23.21	23.22	23.28	24.50
GPRS 2 Tx slots	31.52	31.39	31.52	32.50	25.52	25.39	25.52	26.50
GPRS 3 Tx slots	29.98	29.81	30.00	31.00	25.72	25.55	25.74	26.74
GPRS 4 Tx slots	28.88	28.65	28.76	29.70	25.88	25.65	25.76	26.70
EDGE 1 Tx slot	26.59	26.69	26.82	28.00	17.59	17.69	17.82	19.00
EDGE 2 Tx slots	25.99	26.00	26.00	27.50	19.99	20.00	20.00	21.50
EDGE 3 Tx slots	25.76	25.88	25.96	27.50	21.50	21.62	21.70	23.24
EDGE 4 Tx slots	24.04	24.13	24.17	25.50	21.04	21.13	21.17	22.50

GSM850_Ant 0_Index 4/6	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.18	32.15	32.22	33.50	23.18	23.15	23.22	24.50
GPRS 1 Tx slot	32.21	32.22	32.28	33.50	23.21	23.22	23.28	24.50
GPRS 2 Tx slots	31.52	31.39	31.52	32.30	25.52	25.39	25.52	26.30
GPRS 3 Tx slots	29.98	29.81	30.00	30.60	25.72	25.55	25.74	26.34
GPRS 4 Tx slots	28.88	28.65	28.76	29.30	25.88	25.65	25.76	26.30
EDGE 1 Tx slot	26.59	26.69	26.82	28.00	17.59	17.69	17.82	19.00
EDGE 2 Tx slots	25.99	26.00	26.00	27.50	19.99	20.00	20.00	21.50
EDGE 3 Tx slots	25.76	25.88	25.96	27.50	21.50	21.62	21.70	23.24
EDGE 4 Tx slots	24.04	24.13	24.17	25.50	21.04	21.13	21.17	22.50



GSM850_Ant 1_Index 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
	Frequency (MHz)	824.2	836.4		848.8	824.2	836.4		848.8
GSM 1 Tx slot	30.92	30.80	30.65	31.90	21.92	21.80	21.65	22.90	
GPRS 1 Tx slot	30.90	30.87	30.77	31.90	21.90	21.87	21.77	22.90	
GPRS 2 Tx slots	27.99	27.70	27.36	28.90	21.99	21.70	21.36	22.90	
GPRS 3 Tx slots	25.67	25.44	25.35	27.00	21.41	21.18	21.09	22.74	
GPRS 4 Tx slots	24.38	24.14	24.00	25.80	21.38	21.14	21.00	22.80	
EDGE 1 Tx slot	26.49	26.42	26.06	27.50	17.49	17.42	17.06	18.50	
EDGE 2 Tx slots	25.92	25.69	25.72	27.00	19.92	19.69	19.72	21.00	
EDGE 3 Tx slots	25.69	25.61	25.33	27.00	21.43	21.35	21.07	22.74	
EDGE 4 Tx slots	22.36	22.53	22.14	24.00	19.36	19.53	19.14	21.00	

GSM850_Ant 1_Index 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
	Frequency (MHz)	824.2	836.4		848.8	824.2	836.4		848.8
GSM 1 Tx slot	29.76	29.73	29.61	29.80	20.76	20.73	20.61	20.80	
GPRS 1 Tx slot	29.71	29.77	29.75	29.80	20.71	20.77	20.75	20.80	
GPRS 2 Tx slots	26.79	26.65	26.35	26.80	20.79	20.65	20.35	20.80	
GPRS 3 Tx slots	24.61	24.37	24.34	24.90	20.35	20.11	20.08	20.64	
GPRS 4 Tx slots	23.38	23.13	22.92	23.70	20.38	20.13	19.92	20.70	
EDGE 1 Tx slot	26.42	26.40	26.03	27.50	17.42	17.40	17.03	18.50	
EDGE 2 Tx slots	25.82	25.62	25.63	26.80	19.82	19.62	19.63	20.80	
EDGE 3 Tx slots	24.66	24.51	24.26	24.90	20.40	20.25	20.00	20.64	
EDGE 4 Tx slots	22.31	22.49	22.05	23.70	19.31	19.49	19.05	20.70	

GSM850_Ant 1_Index 4/5/6	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
	Frequency (MHz)	824.2	836.4		848.8	824.2	836.4		848.8
GSM 1 Tx slot	31.96	31.90	31.72	33.00	22.96	22.90	22.72	24.00	
GPRS 1 Tx slot	31.99	31.93	31.78	33.00	22.99	22.93	22.78	24.00	
GPRS 2 Tx slots	31.92	31.72	31.52	32.50	25.92	25.72	25.52	26.50	
GPRS 3 Tx slots	29.31	28.98	28.71	30.50	25.05	24.72	24.45	26.24	
GPRS 4 Tx slots	27.96	27.61	27.13	28.00	24.96	24.61	24.13	25.00	
EDGE 1 Tx slot	26.57	26.50	26.13	27.50	17.57	17.50	17.13	18.50	
EDGE 2 Tx slots	26.00	25.76	25.74	27.00	20.00	19.76	19.74	21.00	
EDGE 3 Tx slots	25.74	25.68	25.40	27.00	21.48	21.42	21.14	22.74	
EDGE 4 Tx slots	22.45	22.59	22.23	24.00	19.45	19.59	19.23	21.00	



GSM1900_Ant 0_ Index 2/3/4/5/6	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	512	661		810
	Frequency (MHz)	1850.2	1880		1909.8	1850.2	1880		1909.8
GSM 1 Tx slot	29.18	29.03	29.05	30.00	20.18	20.03	20.05	21.00	
GPRS 1 Tx slot	29.23	29.08	29.14	30.00	20.23	20.08	20.14	21.00	
GPRS 2 Tx slots	29.13	28.95	29.00	29.50	23.13	22.95	23.00	23.50	
GPRS 3 Tx slots	28.10	28.12	27.88	28.50	23.84	23.86	23.62	24.24	
GPRS 4 Tx slots	26.66	27.18	26.92	27.50	23.66	24.18	23.92	24.50	
EDGE 1 Tx slot	24.58	24.65	24.46	26.00	15.58	15.65	15.46	17.00	
EDGE 2 Tx slots	23.36	23.27	23.16	24.50	17.36	17.27	17.16	18.50	
EDGE 3 Tx slots	23.19	22.97	22.86	24.50	18.93	18.71	18.60	20.24	
EDGE 4 Tx slots	21.71	21.87	21.58	23.50	18.71	18.87	18.58	20.50	

GSM1900_Ant 2_Index 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	512	661		810
	Frequency (MHz)	1850.2	1880		1909.8	1850.2	1880		1909.8
GSM 1 Tx slot	29.38	29.51	29.44	30.50	20.38	20.51	20.44	21.50	
GPRS 1 Tx slot	29.42	29.59	29.47	30.50	20.42	20.59	20.47	21.50	
GPRS 2 Tx slots	28.82	28.72	28.59	29.50	22.82	22.72	22.59	23.50	
GPRS 3 Tx slots	28.28	28.44	28.28	29.00	24.02	24.18	24.02	24.74	
GPRS 4 Tx slots	26.94	27.01	26.74	28.00	23.94	24.01	23.74	25.00	
EDGE 1 Tx slot	25.23	25.07	25.01	26.00	16.23	16.07	16.01	17.00	
EDGE 2 Tx slots	23.89	23.93	23.67	25.00	17.89	17.93	17.67	19.00	
EDGE 3 Tx slots	23.71	23.67	23.62	25.00	19.45	19.41	19.36	20.74	
EDGE 4 Tx slots	22.36	22.67	22.66	24.00	19.36	19.67	19.66	21.00	

GSM1900_Ant 2_Index 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	512	661		810
	Frequency (MHz)	1850.2	1880		1909.8	1850.2	1880		1909.8
GSM 1 Tx slot	29.38	29.51	29.44	30.50	20.38	20.51	20.44	21.50	
GPRS 1 Tx slot	29.42	29.59	29.47	30.50	20.42	20.59	20.47	21.50	
GPRS 2 Tx slots	28.82	28.72	28.59	29.50	22.82	22.72	22.59	23.50	
GPRS 3 Tx slots	28.28	28.44	28.28	28.70	24.02	24.18	24.02	24.44	
GPRS 4 Tx slots	26.94	27.01	26.74	27.50	23.94	24.01	23.74	24.50	
EDGE 1 Tx slot	25.23	25.07	25.01	26.00	16.23	16.07	16.01	17.00	
EDGE 2 Tx slots	23.89	23.93	23.67	25.00	17.89	17.93	17.67	19.00	
EDGE 3 Tx slots	23.71	23.67	23.62	25.00	19.45	19.41	19.36	20.74	
EDGE 4 Tx slots	22.36	22.67	22.66	24.00	19.36	19.67	19.66	21.00	



GSM1900_Ant 2_Index 4	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	512	661		810
	Frequency (MHz)	1850.2	1880		1909.8	1850.2	1880		1909.8
GSM 1 Tx slot	29.38	29.43	29.37	30.50	20.38	20.43	20.37	21.50	
GPRS 1 Tx slot	29.36	29.58	29.38	30.50	20.36	20.58	20.38	21.50	
GPRS 2 Tx slots	27.55	27.60	27.56	27.60	21.55	21.60	21.56	21.60	
GPRS 3 Tx slots	25.72	25.74	25.71	25.80	21.46	21.48	21.45	21.54	
GPRS 4 Tx slots	24.55	24.60	24.53	24.60	21.55	21.60	21.53	21.60	
EDGE 1 Tx slot	25.14	25.01	25.01	26.00	16.14	16.01	16.01	17.00	
EDGE 2 Tx slots	23.89	23.84	23.60	25.00	17.89	17.84	17.60	19.00	
EDGE 3 Tx slots	23.66	23.62	23.60	25.00	19.40	19.36	19.34	20.74	
EDGE 4 Tx slots	22.26	22.60	22.60	24.00	19.26	19.60	19.60	21.00	

GSM1900_Ant 2_Index 5	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	512	661		810
	Frequency (MHz)	1850.2	1880		1909.8	1850.2	1880		1909.8
GSM 1 Tx slot	29.38	29.43	29.37	30.50	20.38	20.43	20.37	21.50	
GPRS 1 Tx slot	29.36	29.58	29.38	30.50	20.36	20.58	20.38	21.50	
GPRS 2 Tx slots	27.55	27.60	27.56	28.40	21.55	21.60	21.56	22.40	
GPRS 3 Tx slots	25.72	25.74	25.71	26.60	21.46	21.48	21.45	22.34	
GPRS 4 Tx slots	24.55	24.60	24.53	25.40	21.55	21.60	21.53	22.40	
EDGE 1 Tx slot	25.14	25.01	25.01	26.00	16.14	16.01	16.01	17.00	
EDGE 2 Tx slots	23.89	23.84	23.60	25.00	17.89	17.84	17.60	19.00	
EDGE 3 Tx slots	23.66	23.62	23.60	25.00	19.40	19.36	19.34	20.74	
EDGE 4 Tx slots	22.26	22.60	22.60	24.00	19.26	19.60	19.60	21.00	

GSM1900_Ant 2_Index 6	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	512	661		810
	Frequency (MHz)	1850.2	1880		1909.8	1850.2	1880		1909.8
GSM 1 Tx slot	29.33	29.40	29.32	30.50	20.33	20.40	20.32	21.50	
GPRS 1 Tx slot	29.30	29.49	29.34	30.50	20.30	20.49	20.34	21.50	
GPRS 2 Tx slots	27.03	27.10	27.03	27.60	21.03	21.10	21.03	21.60	
GPRS 3 Tx slots	25.20	25.23	25.12	25.80	20.94	20.97	20.86	21.54	
GPRS 4 Tx slots	24.05	24.10	23.93	24.60	21.05	21.10	20.93	21.60	
EDGE 1 Tx slot	25.06	24.94	24.94	26.00	16.06	15.94	15.94	17.00	
EDGE 2 Tx slots	23.88	23.75	23.56	25.00	17.88	17.75	17.56	19.00	
EDGE 3 Tx slots	23.63	23.61	23.52	25.00	19.37	19.35	19.26	20.74	
EDGE 4 Tx slots	22.26	22.58	22.58	24.00	19.26	19.58	19.58	21.00	



Band		WCDMA II_Ant 0_Index 2			Tune-up Limit (dBm)	WCDMA IV_Ant 0_Index 2			Tune-up Limit (dBm)	WCDMA V_Ant 1_Index 2			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	AMR 12.2Kbps	24.24	23.86	24.22	25.20	23.68	23.69	23.79	25.20	20.59	20.48	20.36	22.10
3GPP Rel 99	RMC 12.2Kbps	24.27	23.95	24.30	25.20	23.71	23.72	23.80	25.20	20.61	20.49	20.39	22.10
3GPP Rel 6	HSDPA Subtest-1	24.05	23.86	24.19	24.20	23.77	23.79	23.73	24.20	20.59	20.37	20.45	22.10
3GPP Rel 6	HSDPA Subtest-2	24.01	23.79	24.18	24.20	23.72	23.79	23.66	24.20	20.58	20.39	20.44	22.10
3GPP Rel 6	HSDPA Subtest-3	23.48	23.35	23.66	23.70	23.29	23.29	23.17	23.70	20.57	20.39	20.48	22.10
3GPP Rel 6	HSDPA Subtest-4	23.08	22.89	23.20	23.70	23.11	23.30	23.11	23.70	20.60	20.38	20.47	22.10
3GPP Rel 6	HSUPA Subtest-1	23.18	22.89	23.17	24.20	22.96	23.03	22.95	24.20	19.65	19.80	19.90	21.10
3GPP Rel 6	HSUPA Subtest-2	22.19	20.29	20.54	22.20	20.36	20.48	21.80	22.20	19.64	19.82	19.55	21.10
3GPP Rel 6	HSUPA Subtest-3	23.16	21.26	21.52	23.20	21.78	21.87	21.88	23.20	19.60	19.56	19.55	21.10
3GPP Rel 6	HSUPA Subtest-4	22.16	22.19	22.18	22.20	20.21	21.79	21.80	22.20	19.66	19.58	19.54	21.10
3GPP Rel 6	HSUPA Subtest-5	24.20	24.00	24.20	24.20	23.70	23.70	23.70	24.20	20.60	20.50	20.50	22.10

Band		WCDMA II_Ant 0_Index 3			Tune-up Limit (dBm)	WCDMA IV_Ant 0_Index 3			Tune-up Limit (dBm)	WCDMA V_Ant 1_Index 3			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	AMR 12.2Kbps	23.65	23.30	23.71	24.00	23.68	23.69	23.79	25.20	19.91	19.88	19.76	20.00
3GPP Rel 99	RMC 12.2Kbps	23.73	23.37	23.74	24.00	23.71	23.72	23.80	25.20	19.98	19.89	19.79	20.00
3GPP Rel 6	HSDPA Subtest-1	23.49	23.29	23.64	24.00	23.77	23.79	23.73	24.20	19.97	19.77	19.85	20.00
3GPP Rel 6	HSDPA Subtest-2	23.44	23.22	23.60	24.00	23.72	23.79	23.66	24.20	19.98	19.79	19.84	20.00
3GPP Rel 6	HSDPA Subtest-3	23.45	23.31	23.63	23.70	23.29	23.29	23.17	23.70	19.97	19.79	19.88	20.00
3GPP Rel 6	HSDPA Subtest-4	23.04	22.84	23.15	23.70	23.11	23.30	23.11	23.70	19.68	19.78	19.87	20.00
3GPP Rel 6	HSUPA Subtest-1	23.14	22.86	23.17	24.00	22.96	23.03	22.95	24.20	18.75	18.90	19.00	19.00
3GPP Rel 6	HSUPA Subtest-2	22.10	20.22	20.49	22.20	20.36	20.48	21.80	22.20	18.74	18.92	18.65	19.00
3GPP Rel 6	HSUPA Subtest-3	23.06	21.30	21.50	23.20	21.78	21.87	21.88	23.20	18.70	18.96	18.95	19.00
3GPP Rel 6	HSUPA Subtest-4	22.06	22.10	22.17	22.20	20.21	21.79	21.80	22.20	18.76	18.98	18.94	19.00
3GPP Rel 6	HSUPA Subtest-5	23.67	23.47	23.67	24.00	23.70	23.70	23.70	24.20	19.70	19.90	19.90	20.00

Band		WCDMA II_Ant 0_Index 4			Tune-up Limit (dBm)	WCDMA IV_Ant 0_Index 4			Tune-up Limit (dBm)	WCDMA V_Ant 1_Index 4			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	AMR 12.2Kbps	23.29	23.20	23.30	23.90	23.68	23.69	23.79	23.80	23.42	23.20	23.20	25.20
3GPP Rel 99	RMC 12.2Kbps	23.30	23.20	23.32	23.90	23.71	23.72	23.80	23.80	23.46	23.23	23.29	25.20
3GPP Rel 6	HSDPA Subtest-1	23.16	23.01	23.30	23.90	23.77	23.79	23.73	23.80	23.85	23.30	23.28	24.20
3GPP Rel 6	HSDPA Subtest-2	23.21	23.02	23.30	23.90	23.72	23.79	23.66	23.80	23.65	23.11	23.11	24.20
3GPP Rel 6	HSDPA Subtest-3	23.20	23.02	23.30	23.40	23.29	23.29	23.17	23.30	22.79	22.59	22.59	23.70
3GPP Rel 6	HSDPA Subtest-4	23.04	22.84	23.15	23.40	23.11	23.30	23.11	23.30	22.26	22.02	22.04	23.70
3GPP Rel 6	HSUPA Subtest-1	22.16	22.05	22.32	23.90	22.96	23.03	22.95	23.80	22.51	22.38	22.33	24.20
3GPP Rel 6	HSUPA Subtest-2	22.11	20.38	20.55	22.20	20.36	20.48	21.80	21.80	20.86	20.66	20.65	22.20
3GPP Rel 6	HSUPA Subtest-3	22.21	21.35	21.54	22.90	21.78	21.87	21.88	22.80	21.82	21.71	21.69	23.20
3GPP Rel 6	HSUPA Subtest-4	22.12	22.06	22.18	22.20	20.21	21.79	21.80	21.80	20.83	20.74	20.65	22.20
3GPP Rel 6	HSUPA Subtest-5	23.20	23.10	23.20	23.90	23.70	23.70	23.70	23.80	23.50	23.40	23.40	24.20



Band		WCDMA II_Ant 0_Index 5			Tune-up Limit (dBm)	WCDMA IV_Ant 0_Index 5			Tune-up Limit (dBm)	WCDMA V_Ant 1_Index 5			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	AMR 12.2Kbps	23.29	23.20	23.30	25.20	23.68	23.69	23.79	25.20	23.42	23.20	23.20	25.20
3GPP Rel 99	RMC 12.2Kbps	23.30	23.20	23.32	25.20	23.71	23.72	23.80	25.20	23.46	23.23	23.29	25.20
3GPP Rel 6	HSDPA Subtest-1	23.16	23.01	23.30	24.20	23.77	23.79	23.73	24.20	23.85	23.30	23.28	24.20
3GPP Rel 6	HSDPA Subtest-2	23.21	23.02	23.30	24.20	23.72	23.79	23.66	24.20	23.65	23.11	23.11	24.20
3GPP Rel 6	HSDPA Subtest-3	23.20	23.02	23.30	23.70	23.29	23.29	23.17	23.70	22.79	22.59	22.59	23.70
3GPP Rel 6	HSDPA Subtest-4	23.04	22.84	23.15	23.70	23.11	23.30	23.11	23.70	22.26	22.02	22.04	23.70
3GPP Rel 6	HSUPA Subtest-1	22.16	22.05	22.32	24.20	22.96	23.03	22.95	24.20	22.51	22.38	22.33	24.20
3GPP Rel 6	HSUPA Subtest-2	22.11	20.38	20.55	22.20	20.36	20.48	21.80	22.20	20.86	20.66	20.65	22.20
3GPP Rel 6	HSUPA Subtest-3	22.21	21.35	21.54	23.20	21.78	21.87	21.88	23.20	21.82	21.71	21.69	23.20
3GPP Rel 6	HSUPA Subtest-4	22.12	22.06	22.18	22.20	20.21	21.79	21.80	22.20	20.83	20.74	20.65	22.20
3GPP Rel 6	HSUPA Subtest-5	23.20	23.10	23.20	24.20	23.70	23.70	23.70	24.20	23.50	23.40	23.40	24.20

Band		WCDMA II_Ant 0_Index 6			Tune-up Limit (dBm)	WCDMA IV_Ant 0_Index 6			Tune-up Limit (dBm)	WCDMA V_Ant 1_Index 6			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	AMR 12.2Kbps	23.29	23.20	23.30	24.70	23.68	23.69	23.79	23.80	23.42	23.20	23.20	25.20
3GPP Rel 99	RMC 12.2Kbps	23.30	23.20	23.32	24.70	23.71	23.72	23.80	23.80	23.46	23.23	23.29	25.20
3GPP Rel 6	HSDPA Subtest-1	23.16	23.01	23.30	24.20	23.77	23.79	23.73	23.80	23.85	23.30	23.28	24.20
3GPP Rel 6	HSDPA Subtest-2	23.21	23.02	23.30	24.20	23.72	23.79	23.66	23.80	23.65	23.11	23.11	24.20
3GPP Rel 6	HSDPA Subtest-3	23.20	23.02	23.30	23.70	23.29	23.29	23.17	23.30	22.79	22.59	22.59	23.70
3GPP Rel 6	HSDPA Subtest-4	23.04	22.84	23.15	23.70	23.11	23.30	23.11	23.30	22.26	22.02	22.04	23.70
3GPP Rel 6	HSUPA Subtest-1	22.16	22.05	22.32	24.20	22.96	23.03	22.95	23.80	22.51	22.38	22.33	24.20
3GPP Rel 6	HSUPA Subtest-2	22.11	20.38	20.55	22.20	20.36	20.48	21.80	21.80	20.86	20.66	20.65	22.20
3GPP Rel 6	HSUPA Subtest-3	22.21	21.35	21.54	23.20	21.78	21.87	21.88	22.80	21.82	21.71	21.69	23.20
3GPP Rel 6	HSUPA Subtest-4	22.12	22.06	22.18	22.20	20.21	21.79	21.80	21.80	20.83	20.74	20.65	22.20
3GPP Rel 6	HSUPA Subtest-5	23.20	23.10	23.20	24.20	23.70	23.70	23.70	23.80	23.50	23.40	23.40	24.20



Band		WCDMA II_Ant 2_Index 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2_Index 2			Tune-up Limit (dBm)	WCDMA V_Ant 0_Index 2			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	AMR 12.2Kbps	24.88	24.76	25.04	25.70	24.07	24.18	24.29	25.70	23.94	23.75	23.82	25.70
3GPP Rel 99	RMC 12.2Kbps	25.09	24.83	25.13	25.70	24.18	24.39	24.50	25.70	24.21	23.87	23.86	25.70
3GPP Rel 6	HSDPA Subtest-1	24.69	24.66	24.65	24.70	24.65	24.40	24.30	24.70	24.19	23.79	23.70	24.70
3GPP Rel 6	HSDPA Subtest-2	24.66	24.63	24.63	24.70	24.57	24.30	24.24	24.70	24.09	23.60	23.56	24.70
3GPP Rel 6	HSDPA Subtest-3	24.16	24.18	24.16	24.20	24.08	23.85	23.81	24.20	23.65	23.14	23.07	24.20
3GPP Rel 6	HSDPA Subtest-4	23.80	23.63	23.98	24.20	23.73	23.87	23.75	24.20	23.18	22.62	22.55	24.20
3GPP Rel 6	HSUPA Subtest-1	23.80	23.67	23.93	24.70	23.64	23.61	23.49	24.70	23.39	23.01	22.99	24.70
3GPP Rel 6	HSUPA Subtest-2	21.71	21.58	21.81	22.70	21.43	21.44	21.41	22.70	20.71	20.71	20.73	22.70
3GPP Rel 6	HSUPA Subtest-3	22.23	22.05	22.38	23.70	22.00	21.96	21.97	23.70	23.45	21.75	23.04	23.70
3GPP Rel 6	HSUPA Subtest-4	22.65	22.04	21.43	22.70	21.80	21.73	21.07	22.70	22.50	20.71	21.37	22.70
3GPP Rel 6	HSUPA Subtest-5	24.60	24.60	24.60	24.70	24.60	24.60	24.60	24.70	24.20	24.00	24.20	24.70

Band		WCDMA II_Ant 2_Index 3			Tune-up Limit (dBm)	WCDMA IV_Ant 2_Index 3			Tune-up Limit (dBm)	WCDMA V_Ant 0_Index 3			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	AMR 12.2Kbps	24.88	24.76	25.04	25.30	24.07	24.18	24.29	25.10	23.94	23.75	23.82	25.70
3GPP Rel 99	RMC 12.2Kbps	25.09	24.83	25.13	25.30	24.18	24.39	24.50	25.10	24.21	23.87	23.86	25.70
3GPP Rel 6	HSDPA Subtest-1	24.69	24.66	24.65	24.70	24.65	24.40	24.30	24.70	24.19	23.79	23.70	24.70
3GPP Rel 6	HSDPA Subtest-2	24.66	24.63	24.63	24.70	24.57	24.30	24.24	24.70	24.09	23.60	23.56	24.70
3GPP Rel 6	HSDPA Subtest-3	24.16	24.18	24.16	24.20	24.08	23.85	23.81	24.20	23.65	23.14	23.07	24.20
3GPP Rel 6	HSDPA Subtest-4	23.80	23.63	23.98	24.20	23.73	23.87	23.75	24.20	23.18	22.62	22.55	24.20
3GPP Rel 6	HSUPA Subtest-1	23.80	23.67	23.93	24.70	23.64	23.61	23.49	24.70	23.39	23.01	22.99	24.70
3GPP Rel 6	HSUPA Subtest-2	21.71	21.58	21.81	22.70	21.43	21.44	21.41	22.70	20.71	20.71	20.73	22.70
3GPP Rel 6	HSUPA Subtest-3	22.23	22.05	22.38	23.70	22.00	21.96	21.97	23.70	23.45	21.75	23.04	23.70
3GPP Rel 6	HSUPA Subtest-4	22.65	22.04	21.43	22.70	21.80	21.73	21.07	22.70	22.50	20.71	21.37	22.70
3GPP Rel 6	HSUPA Subtest-5	24.60	24.60	24.60	24.70	24.60	24.60	24.60	24.70	24.20	24.00	24.20	24.70

Band		WCDMA II_Ant 2_Index 4			Tune-up Limit (dBm)	WCDMA IV_Ant 2_Index 4			Tune-up Limit (dBm)	WCDMA V_Ant 0_Index 4			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	AMR 12.2Kbps	20.55	20.61	20.65	20.70	22.60	22.64	22.62	22.70	23.94	23.75	23.82	25.70
3GPP Rel 99	RMC 12.2Kbps	20.61	20.66	20.70	20.70	22.66	22.69	22.70	22.70	24.21	23.87	23.86	25.70
3GPP Rel 6	HSDPA Subtest-1	20.57	20.61	20.65	20.70	22.38	22.33	22.66	22.70	24.19	23.79	23.70	24.70
3GPP Rel 6	HSDPA Subtest-2	20.55	20.66	20.66	20.70	22.43	22.38	22.68	22.70	24.09	23.60	23.56	24.70
3GPP Rel 6	HSDPA Subtest-3	20.60	20.61	20.64	20.70	22.40	22.41	22.69	22.70	23.65	23.14	23.07	24.20
3GPP Rel 6	HSDPA Subtest-4	20.57	20.60	20.67	20.70	22.69	22.55	22.56	22.70	23.18	22.62	22.55	24.20
3GPP Rel 6	HSUPA Subtest-1	19.60	19.60	19.52	19.70	22.61	22.62	22.60	22.70	23.39	23.01	22.99	24.70
3GPP Rel 6	HSUPA Subtest-2	19.57	19.58	19.54	19.70	21.68	21.57	21.49	21.70	20.71	20.71	20.73	22.70
3GPP Rel 6	HSUPA Subtest-3	19.59	19.54	19.54	19.70	21.65	21.62	21.54	21.70	23.45	21.75	23.04	23.70
3GPP Rel 6	HSUPA Subtest-4	19.53	19.51	19.58	19.70	21.24	21.23	21.24	21.70	22.50	20.71	21.37	22.70
3GPP Rel 6	HSUPA Subtest-5	20.69	20.60	20.60	20.70	22.60	22.60	22.50	22.70	24.20	24.00	24.20	24.70



Band		WCDMA II_Ant 2_Index 5			Tune-up Limit (dBm)	WCDMA IV_Ant 2_Index 5			Tune-up Limit (dBm)	WCDMA V_Ant 0_Index 5			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	AMR 12.2Kbps	20.55	20.61	20.65	21.50	22.80	22.84	22.82	23.50	23.94	23.75	23.82	25.70
3GPP Rel 99	RMC 12.2Kbps	20.61	20.66	20.70	21.50	22.86	22.89	22.91	23.50	24.21	23.87	23.86	25.70
3GPP Rel 6	HSDPA Subtest-1	20.57	20.61	20.65	21.50	23.08	23.03	23.36	23.50	24.19	23.79	23.70	24.70
3GPP Rel 6	HSDPA Subtest-2	20.55	20.66	20.66	21.50	23.13	23.08	23.40	23.50	24.09	23.60	23.56	24.70
3GPP Rel 6	HSDPA Subtest-3	20.60	20.61	20.64	21.50	23.10	23.11	23.39	23.50	23.65	23.14	23.07	24.20
3GPP Rel 6	HSDPA Subtest-4	20.57	20.60	20.67	21.50	23.13	22.95	22.96	23.50	23.18	22.62	22.55	24.20
3GPP Rel 6	HSUPA Subtest-1	19.60	19.60	19.52	20.50	22.61	22.62	22.60	23.50	23.39	23.01	22.99	24.70
3GPP Rel 6	HSUPA Subtest-2	19.57	19.58	19.54	20.50	21.68	21.57	21.49	22.50	20.71	20.71	20.73	22.70
3GPP Rel 6	HSUPA Subtest-3	19.59	19.54	19.54	20.50	22.15	22.12	22.04	22.50	23.45	21.75	23.04	23.70
3GPP Rel 6	HSUPA Subtest-4	19.53	19.51	19.58	20.50	21.94	21.93	21.24	22.50	22.50	20.71	21.37	22.70
3GPP Rel 6	HSUPA Subtest-5	20.69	20.60	20.60	21.50	23.30	23.30	23.20	23.50	24.20	24.00	24.20	24.70

Band		WCDMA II_Ant 2_Index 6			Tune-up Limit (dBm)	WCDMA IV_Ant 2_Index 6			Tune-up Limit (dBm)	WCDMA V_Ant 0_Index 6			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	AMR 12.2Kbps	20.16	20.10	20.29	20.70	22.20	22.32	22.31	22.70	23.94	23.75	23.82	25.70
3GPP Rel 99	RMC 12.2Kbps	20.29	20.10	20.41	20.70	22.32	22.33	22.41	22.70	24.21	23.87	23.86	25.70
3GPP Rel 6	HSDPA Subtest-1	20.17	20.05	20.25	20.70	22.56	22.51	22.48	22.70	24.19	23.79	23.70	24.70
3GPP Rel 6	HSDPA Subtest-2	20.17	20.12	20.34	20.70	22.61	22.56	22.41	22.70	24.09	23.60	23.56	24.70
3GPP Rel 6	HSDPA Subtest-3	20.21	20.09	20.25	20.70	22.57	22.51	22.48	22.70	23.65	23.14	23.07	24.20
3GPP Rel 6	HSDPA Subtest-4	20.25	20.07	20.37	20.70	22.56	22.39	22.40	22.70	23.18	22.62	22.55	24.20
3GPP Rel 6	HSUPA Subtest-1	19.25	19.24	19.20	19.70	22.10	22.05	22.06	22.70	23.39	23.01	22.99	24.70
3GPP Rel 6	HSUPA Subtest-2	19.25	19.22	19.21	19.70	21.11	21.03	20.99	21.70	20.71	20.71	20.73	22.70
3GPP Rel 6	HSUPA Subtest-3	19.21	19.16	19.18	19.70	21.65	21.62	21.47	21.70	23.45	21.75	23.04	23.70
3GPP Rel 6	HSUPA Subtest-4	19.23	19.19	19.28	19.70	21.38	21.43	20.65	21.70	22.50	20.71	21.37	22.70
3GPP Rel 6	HSUPA Subtest-5	20.19	20.27	20.22	20.70	22.51	22.60	22.57	22.70	24.20	24.00	24.20	24.70



<LTE Band 2_Ant 0_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.96	24.34	23.83	25.2
20	QPSK	1	49	24.20	23.95	23.90	
20	QPSK	1	99	23.94	23.48	24.16	
20	QPSK	50	0	23.05	23.17	22.89	24.2
20	QPSK	50	24	23.10	22.96	22.92	
20	QPSK	50	50	23.04	22.72	23.06	
20	QPSK	100	0	23.06	22.95	22.95	24.2
20	16QAM	1	0	23.16	23.59	23.08	
20	16QAM	1	49	23.36	23.16	23.09	
20	16QAM	1	99	23.32	22.77	23.41	23.2
20	16QAM	50	0	22.04	22.19	21.87	
20	16QAM	50	24	22.11	21.95	21.94	
20	16QAM	50	50	22.03	21.72	22.10	23.2
20	16QAM	100	0	21.98	21.89	21.90	
20	64QAM	1	0	22.18	22.59	22.04	
20	64QAM	1	49	22.27	22.09	22.06	23.2
20	64QAM	1	99	22.11	21.70	22.38	
20	64QAM	50	0	21.01	21.15	20.87	
20	64QAM	50	24	21.08	20.93	20.92	22.2
20	64QAM	50	50	21.01	20.68	21.07	
20	64QAM	100	0	20.97	20.87	20.89	
20	256QAM	1	0	18.62	19.33	18.93	20.2
20	256QAM	1	49	18.93	19.02	18.75	
20	256QAM	1	99	18.85	18.50	19.25	
20	256QAM	50	0	18.63	19.01	18.92	20.2
20	256QAM	50	24	18.74	18.85	18.81	
20	256QAM	50	50	18.79	18.60	19.06	
20	256QAM	100	0	18.76	18.80	18.89	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.68	24.08	23.58	25.2
15	QPSK	1	37	23.72	23.62	23.57	
15	QPSK	1	74	23.89	23.41	23.99	
15	QPSK	36	0	22.76	22.95	22.66	24.2
15	QPSK	36	20	22.85	22.76	22.74	
15	QPSK	36	39	22.90	22.60	22.89	
15	QPSK	75	0	22.84	22.78	22.77	24.2
15	16QAM	1	0	23.02	23.41	22.86	
15	16QAM	1	37	23.13	23.07	23.00	
15	16QAM	1	74	23.18	22.72	23.26	23.2
15	16QAM	36	0	21.81	21.98	21.68	
15	16QAM	36	20	21.90	21.83	21.76	
15	16QAM	36	39	21.93	21.67	21.91	23.2
15	16QAM	75	0	21.83	21.79	21.77	
15	64QAM	1	0	22.94	22.38	21.87	
15	64QAM	1	37	23.05	22.05	21.96	23.2
15	64QAM	1	74	23.12	21.72	22.32	
15	64QAM	36	0	21.78	21.01	20.71	
15	64QAM	36	20	21.86	20.82	20.79	22.2
15	64QAM	36	39	21.91	20.65	20.94	
15	64QAM	75	0	21.83	20.81	20.77	
15	256QAM	1	0	19.19	19.26	18.84	20.2
15	256QAM	1	37	18.83	18.96	18.67	
15	256QAM	1	74	18.78	18.49	19.17	
15	256QAM	36	0	18.56	18.94	18.91	20.2
15	256QAM	36	20	18.71	18.77	18.77	



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15	256QAM	36	39	18.78	18.57	19.00	
15	256QAM	75	0	18.75	18.77	18.88	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.68	23.95	23.55	25.2
10	QPSK	1	25	23.75	23.57	23.63	
10	QPSK	1	49	23.90	23.48	23.90	
10	QPSK	25	0	22.80	22.89	22.70	24.2
10	QPSK	25	12	22.85	22.77	22.80	
10	QPSK	25	25	22.90	22.66	22.90	
10	QPSK	50	0	22.85	22.77	22.80	
10	16QAM	1	0	23.02	23.30	22.84	24.2
10	16QAM	1	25	23.07	22.93	22.89	
10	16QAM	1	49	23.23	22.75	23.16	
10	16QAM	25	0	21.86	21.92	21.72	23.2
10	16QAM	25	12	21.91	21.79	21.81	
10	16QAM	25	25	21.96	21.68	21.92	
10	16QAM	50	0	21.85	21.77	21.80	
10	64QAM	1	0	21.93	22.19	21.81	23.2
10	64QAM	1	25	21.95	21.80	21.80	
10	64QAM	1	49	22.16	21.70	22.09	
10	64QAM	25	0	20.75	20.86	20.63	22.2
10	64QAM	25	12	20.83	20.76	20.75	
10	64QAM	25	25	20.91	20.65	20.89	
10	64QAM	50	0	20.89	20.82	20.85	
10	256QAM	1	0	19.13	19.13	18.82	20.2
10	256QAM	1	25	18.83	18.87	18.61	
10	256QAM	1	49	18.68	18.46	19.09	
10	256QAM	25	0	18.46	18.86	18.87	20.2
10	256QAM	25	12	18.64	18.70	18.71	
10	256QAM	25	25	18.74	18.56	18.94	
10	256QAM	50	0	18.68	18.72	18.86	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.63	23.73	23.63	25.2
5	QPSK	1	12	23.61	23.55	23.67	
5	QPSK	1	24	23.79	23.55	23.85	
5	QPSK	12	0	22.78	22.79	22.80	24.2
5	QPSK	12	7	22.86	22.73	22.87	
5	QPSK	12	13	22.85	22.69	22.91	
5	QPSK	25	0	22.74	22.70	22.79	
5	16QAM	1	0	23.00	23.11	22.99	24.2
5	16QAM	1	12	23.09	23.05	23.12	
5	16QAM	1	24	23.19	22.94	23.22	
5	16QAM	12	0	21.82	21.81	21.83	23.2
5	16QAM	12	7	21.89	21.76	21.92	
5	16QAM	12	13	21.91	21.70	21.97	
5	16QAM	25	0	21.79	21.74	21.79	
5	64QAM	1	0	21.94	22.04	21.87	23.2
5	64QAM	1	12	21.96	21.89	21.91	
5	64QAM	1	24	22.13	21.77	22.05	
5	64QAM	12	0	20.85	20.84	20.85	22.2
5	64QAM	12	7	20.91	20.78	20.93	
5	64QAM	12	13	20.95	20.71	20.99	
5	64QAM	25	0	20.81	20.73	20.81	
5	256QAM	1	0	19.03	19.13	18.76	20.2
5	256QAM	1	12	18.77	18.87	18.58	
5	256QAM	1	24	18.59	18.42	19.07	
5	256QAM	12	0	18.38	18.85	18.82	20.2
5	256QAM	12	7	18.55	18.68	18.67	
5	256QAM	12	13	18.74	18.53	18.90	
5	256QAM	25	0	18.61	18.67	18.82	



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Channel				18615	18900	19185	Tune-up limit (dBm)	
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.81	23.82	23.88	25.2	
3	QPSK	1	8	23.75	23.62	23.82		
3	QPSK	1	14	23.85	23.66	23.96		
3	QPSK	8	0	22.85	22.80	22.94	24.2	
3	QPSK	8	4	22.86	22.74	22.98		
3	QPSK	8	7	22.92	22.75	23.03		
3	QPSK	15	0	22.89	22.79	23.01	24.2	
3	16QAM	1	0	23.18	23.18	23.24		
3	16QAM	1	8	23.11	22.97	23.24		
3	16QAM	1	14	23.25	22.99	23.36	24.2	
3	16QAM	8	0	21.90	21.82	21.99		
3	16QAM	8	4	21.95	21.81	22.03		
3	16QAM	8	7	21.98	21.78	22.07	23.2	
3	16QAM	15	0	21.93	21.81	22.01		
3	64QAM	1	0	22.05	21.97	22.14		
3	64QAM	1	8	22.06	21.87	22.08	23.2	
3	64QAM	1	14	22.11	21.85	22.17		
3	64QAM	8	0	20.78	20.81	20.90		
3	64QAM	8	4	20.85	20.77	20.95	22.2	
3	64QAM	8	7	20.89	20.79	20.97		
3	64QAM	15	0	20.90	20.78	20.95		
3	256QAM	1	0	19.00	19.07	18.76	20.2	
3	256QAM	1	8	18.68	18.86	18.68		
3	256QAM	1	14	18.53	18.36	19.15		
3	256QAM	8	0	18.37	18.82	18.91	20.2	
3	256QAM	8	4	18.47	18.68	18.72		
3	256QAM	8	7	18.67	18.52	18.98		
3	256QAM	15	0	18.60	18.64	18.89	20.2	
Channel				18607	18900	19193		Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.89	23.80	23.94	25.2	
1.4	QPSK	1	3	23.80	23.70	23.92		
1.4	QPSK	1	5	23.86	23.76	24.01		
1.4	QPSK	3	0	23.73	23.71	23.91	24.2	
1.4	QPSK	3	1	23.79	23.73	24.02		
1.4	QPSK	3	3	23.86	23.74	23.99		
1.4	QPSK	6	0	22.84	22.79	23.04	24.2	
1.4	16QAM	1	0	23.14	23.11	23.27		
1.4	16QAM	1	3	23.10	23.02	23.30		
1.4	16QAM	1	5	23.21	23.05	23.34	24.2	
1.4	16QAM	3	0	22.93	22.86	23.09		
1.4	16QAM	3	1	23.02	22.93	23.13		
1.4	16QAM	3	3	23.02	22.85	23.12	23.2	
1.4	16QAM	6	0	21.94	21.76	22.07		
1.4	64QAM	1	0	22.10	21.94	22.20		
1.4	64QAM	1	3	22.13	21.92	22.18	23.2	
1.4	64QAM	1	5	22.16	21.92	22.27		
1.4	64QAM	3	0	21.99	21.85	22.10		
1.4	64QAM	3	1	22.03	21.84	22.11	22.2	
1.4	64QAM	3	3	22.01	21.83	22.15		
1.4	64QAM	6	0	20.83	20.76	20.94		
1.4	256QAM	1	0	18.87	18.92	18.92	20.2	
1.4	256QAM	1	3	18.83	18.86	18.83		
1.4	256QAM	1	5	18.76	18.86	18.80		
1.4	256QAM	3	0	18.78	18.79	18.74	20.2	
1.4	256QAM	3	1	18.71	18.79	18.71		
1.4	256QAM	3	3	18.77	18.82	18.78		
1.4	256QAM	6	0	18.73	18.79	18.73	20.2	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.62	23.21	24.2
20	QPSK	1	49	23.21	23.06	23.06	
20	QPSK	1	99	23.07	23.00	23.47	
20	QPSK	50	0	22.71	22.95	22.68	24.2
20	QPSK	50	24	22.80	22.76	22.73	
20	QPSK	50	50	22.74	22.51	22.89	
20	QPSK	100	0	22.77	22.74	22.77	24.2
20	16QAM	1	0	22.97	23.47	23.03	
20	16QAM	1	49	23.12	22.89	23.01	
20	16QAM	1	99	22.94	22.55	23.27	23.2
20	16QAM	50	0	21.74	21.95	21.70	
20	16QAM	50	24	21.80	21.76	21.77	
20	16QAM	50	50	21.75	21.53	21.90	23.2
20	16QAM	100	0	21.72	21.70	21.73	
20	64QAM	1	0	21.94	22.41	21.92	
20	64QAM	1	49	22.09	21.91	21.86	23.2
20	64QAM	1	99	21.97	21.51	22.25	
20	64QAM	50	0	20.75	21.02	20.73	
20	64QAM	50	24	20.87	20.81	20.83	22.2
20	64QAM	50	50	20.80	20.55	20.96	
20	64QAM	100	0	20.76	20.74	20.78	
20	256QAM	1	0	18.49	19.20	18.80	20.2
20	256QAM	1	49	18.77	18.98	18.61	
20	256QAM	1	99	18.68	18.43	19.20	
20	256QAM	50	0	18.50	18.87	18.76	20.2
20	256QAM	50	24	18.62	18.80	18.76	
20	256QAM	50	50	18.63	18.43	19.01	
20	256QAM	100	0	18.58	18.69	18.83	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.02	23.53	23.14	24.2
15	QPSK	1	37	23.19	22.99	22.96	
15	QPSK	1	74	23.05	23.01	23.47	
15	QPSK	36	0	22.66	22.93	22.63	24.2
15	QPSK	36	20	22.73	22.67	22.68	
15	QPSK	36	39	22.68	22.41	22.89	
15	QPSK	75	0	22.70	22.70	22.72	24.2
15	16QAM	1	0	22.88	23.37	22.99	
15	16QAM	1	37	23.03	22.84	22.98	
15	16QAM	1	74	22.88	22.50	23.25	23.2
15	16QAM	36	0	21.70	21.94	21.62	
15	16QAM	36	20	21.74	21.75	21.68	
15	16QAM	36	39	21.75	21.44	21.86	23.2
15	16QAM	75	0	21.67	21.67	21.66	
15	64QAM	1	0	21.85	22.38	21.82	
15	64QAM	1	37	22.00	21.83	21.77	23.2
15	64QAM	1	74	21.93	21.42	22.22	
15	64QAM	36	0	20.68	21.00	20.65	
15	64QAM	36	20	20.78	20.78	20.77	22.2
15	64QAM	36	39	20.75	20.53	20.96	
15	64QAM	75	0	20.73	20.74	20.76	
15	256QAM	1	0	18.48	19.16	18.78	20.2
15	256QAM	1	37	18.74	18.96	18.53	
15	256QAM	1	74	18.63	18.38	19.16	
15	256QAM	36	0	18.47	18.85	18.73	20.2
15	256QAM	36	20	18.60	18.79	18.73	



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15	256QAM	36	39	18.56	18.38	18.91	
15	256QAM	75	0	18.55	18.66	18.75	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.01	23.57	23.11	24.2
10	QPSK	1	25	23.20	23.03	22.97	
10	QPSK	1	49	23.04	23.06	23.38	
10	QPSK	25	0	22.62	22.86	22.63	24.2
10	QPSK	25	12	22.76	22.74	22.69	
10	QPSK	25	25	22.68	22.50	22.84	
10	QPSK	50	0	22.75	22.69	22.74	
10	16QAM	1	0	22.96	23.42	23.00	24.2
10	16QAM	1	25	23.04	22.87	22.99	
10	16QAM	1	49	22.93	22.46	23.23	
10	16QAM	25	0	21.73	21.86	21.63	23.2
10	16QAM	25	12	21.75	21.74	21.71	
10	16QAM	25	25	21.69	21.44	21.85	
10	16QAM	50	0	21.67	21.69	21.73	
10	64QAM	1	0	21.84	22.38	21.83	23.2
10	64QAM	1	25	22.06	21.82	21.84	
10	64QAM	1	49	21.87	21.43	22.19	
10	64QAM	25	0	20.67	20.92	20.69	22.2
10	64QAM	25	12	20.86	20.76	20.73	
10	64QAM	25	25	20.71	20.48	20.89	
10	64QAM	50	0	20.76	20.71	20.69	
10	256QAM	1	0	18.41	19.18	18.78	20.2
10	256QAM	1	25	18.77	18.92	18.61	
10	256QAM	1	49	18.67	18.33	19.20	
10	256QAM	25	0	18.49	18.79	18.69	20.2
10	256QAM	25	12	18.52	18.76	18.76	
10	256QAM	25	25	18.60	18.43	19.00	
10	256QAM	50	0	18.49	18.65	18.76	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.95	23.59	23.16	24.2
5	QPSK	1	12	23.17	22.99	22.96	
5	QPSK	1	24	23.01	23.11	23.43	
5	QPSK	12	0	22.61	22.87	22.63	24.2
5	QPSK	12	7	22.78	22.67	22.66	
5	QPSK	12	13	22.73	22.45	22.80	
5	QPSK	25	0	22.69	22.72	22.75	
5	16QAM	1	0	22.89	23.39	22.95	24.2
5	16QAM	1	12	23.05	22.89	23.01	
5	16QAM	1	24	22.92	22.55	23.26	
5	16QAM	12	0	21.66	21.93	21.66	23.2
5	16QAM	12	7	21.79	21.67	21.77	
5	16QAM	12	13	21.75	21.45	21.86	
5	16QAM	25	0	21.72	21.68	21.65	
5	64QAM	1	0	21.87	22.32	21.90	23.2
5	64QAM	1	12	22.00	21.83	21.82	
5	64QAM	1	24	21.89	21.46	22.16	
5	64QAM	12	0	20.71	21.00	20.72	22.2
5	64QAM	12	7	20.86	20.81	20.76	
5	64QAM	12	13	20.71	20.50	20.91	
5	64QAM	25	0	20.76	20.74	20.68	
5	256QAM	1	0	18.48	19.19	18.74	20.2
5	256QAM	1	12	18.73	18.95	18.59	
5	256QAM	1	24	18.66	18.35	19.18	
5	256QAM	12	0	18.47	18.80	18.73	20.2
5	256QAM	12	7	18.60	18.71	18.75	
5	256QAM	12	13	18.55	18.35	18.94	
5	256QAM	25	0	18.51	18.63	18.82	



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.01	23.59	23.13	24.2
3	QPSK	1	8	23.17	23.05	23.03	
3	QPSK	1	14	23.06	23.06	23.43	
3	QPSK	8	0	22.66	22.88	22.63	24.2
3	QPSK	8	4	22.74	22.70	22.64	
3	QPSK	8	7	22.72	22.46	22.84	
3	QPSK	15	0	22.73	22.72	22.69	24.2
3	16QAM	1	0	22.87	23.37	22.95	
3	16QAM	1	8	23.04	22.87	22.99	
3	16QAM	1	14	22.93	22.49	23.26	23.2
3	16QAM	8	0	21.72	21.92	21.61	
3	16QAM	8	4	21.76	21.66	21.69	
3	16QAM	8	7	21.70	21.50	21.90	23.2
3	16QAM	15	0	21.68	21.66	21.67	
3	64QAM	1	0	21.86	22.34	21.88	
3	64QAM	1	8	22.02	21.81	21.80	23.2
3	64QAM	1	14	21.93	21.48	22.18	
3	64QAM	8	0	20.73	20.96	20.63	
3	64QAM	8	4	20.77	20.75	20.75	22.2
3	64QAM	8	7	20.78	20.51	20.95	
3	64QAM	15	0	20.68	20.74	20.74	
3	256QAM	1	0	18.42	19.10	18.77	20.2
3	256QAM	1	8	18.72	18.97	18.53	
3	256QAM	1	14	18.67	18.36	19.10	
3	256QAM	8	0	18.41	18.78	18.69	20.2
3	256QAM	8	4	18.55	18.73	18.71	
3	256QAM	8	7	18.56	18.37	18.91	
3	256QAM	15	0	18.52	18.64	18.78	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.96	23.59	23.12	24.2
1.4	QPSK	1	3	23.13	23.01	22.99	
1.4	QPSK	1	5	22.99	23.10	23.44	
1.4	QPSK	3	0	23.19	23.41	23.18	24.2
1.4	QPSK	3	1	23.21	23.22	23.18	
1.4	QPSK	3	3	23.15	23.03	23.32	
1.4	QPSK	6	0	22.71	22.72	22.72	24.2
1.4	16QAM	1	0	22.93	23.37	23.03	24.2
1.4	16QAM	1	3	23.11	22.82	22.94	
1.4	16QAM	1	5	22.90	22.47	23.18	
1.4	16QAM	3	0	22.35	22.63	22.34	24.2
1.4	16QAM	3	1	22.42	22.38	22.37	
1.4	16QAM	3	3	22.42	22.23	22.60	
1.4	16QAM	6	0	21.72	21.70	21.67	23.2
1.4	64QAM	1	0	21.85	22.37	21.90	23.2
1.4	64QAM	1	3	22.01	21.87	21.82	
1.4	64QAM	1	5	21.92	21.46	22.22	
1.4	64QAM	3	0	21.72	21.96	21.65	23.2
1.4	64QAM	3	1	21.87	21.72	21.79	
1.4	64QAM	3	3	21.78	21.54	21.95	
1.4	64QAM	6	0	20.66	20.69	20.77	22.2
1.4	256QAM	1	0	18.41	19.11	18.78	20.2
1.4	256QAM	1	3	18.74	18.95	18.56	
1.4	256QAM	1	5	18.59	18.41	19.13	
1.4	256QAM	3	0	18.44	18.83	18.73	20.2
1.4	256QAM	3	1	18.57	18.70	18.73	
1.4	256QAM	3	3	18.62	18.36	18.98	
1.4	256QAM	6	0	18.56	18.65	18.74	20.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.62	23.21	25.2
20	QPSK	1	49	23.21	23.06	23.06	
20	QPSK	1	99	23.07	23.00	23.47	
20	QPSK	50	0	22.71	22.95	22.68	24.2
20	QPSK	50	24	22.80	22.76	22.73	
20	QPSK	50	50	22.74	22.51	22.89	
20	QPSK	100	0	22.77	22.74	22.77	24.2
20	16QAM	1	0	22.97	23.47	23.03	
20	16QAM	1	49	23.12	22.89	23.01	
20	16QAM	1	99	22.94	22.55	23.27	23.2
20	16QAM	50	0	21.74	21.95	21.70	
20	16QAM	50	24	21.80	21.76	21.77	
20	16QAM	50	50	21.75	21.53	21.90	23.2
20	16QAM	100	0	21.72	21.70	21.73	
20	64QAM	1	0	21.94	22.41	21.92	
20	64QAM	1	49	22.09	21.91	21.86	23.2
20	64QAM	1	99	21.97	21.51	22.25	
20	64QAM	50	0	20.75	21.02	20.73	
20	64QAM	50	24	20.87	20.81	20.83	22.2
20	64QAM	50	50	20.80	20.55	20.96	
20	64QAM	100	0	20.76	20.74	20.78	
20	256QAM	1	0	18.49	19.20	18.80	20.2
20	256QAM	1	49	18.77	18.98	18.61	
20	256QAM	1	99	18.68	18.43	19.20	
20	256QAM	50	0	18.50	18.87	18.76	20.2
20	256QAM	50	24	18.62	18.80	18.76	
20	256QAM	50	50	18.63	18.43	19.01	
20	256QAM	100	0	18.58	18.69	18.83	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.02	23.53	23.14	25.2
15	QPSK	1	37	23.19	22.99	22.96	
15	QPSK	1	74	23.05	23.01	23.47	
15	QPSK	36	0	22.66	22.93	22.63	24.2
15	QPSK	36	20	22.73	22.67	22.68	
15	QPSK	36	39	22.68	22.41	22.89	
15	QPSK	75	0	22.70	22.70	22.72	24.2
15	16QAM	1	0	22.88	23.37	22.99	
15	16QAM	1	37	23.03	22.84	22.98	
15	16QAM	1	74	22.88	22.50	23.25	23.2
15	16QAM	36	0	21.70	21.94	21.62	
15	16QAM	36	20	21.74	21.75	21.68	
15	16QAM	36	39	21.75	21.44	21.86	23.2
15	16QAM	75	0	21.67	21.67	21.66	
15	64QAM	1	0	21.85	22.38	21.82	
15	64QAM	1	37	22.00	21.83	21.77	23.2
15	64QAM	1	74	21.93	21.42	22.22	
15	64QAM	36	0	20.68	21.00	20.65	
15	64QAM	36	20	20.78	20.78	20.77	22.2
15	64QAM	36	39	20.75	20.53	20.96	
15	64QAM	75	0	20.73	20.74	20.76	
15	256QAM	1	0	18.48	19.16	18.78	20.2
15	256QAM	1	37	18.74	18.96	18.53	
15	256QAM	1	74	18.63	18.38	19.16	
15	256QAM	36	0	18.47	18.85	18.73	20.2
15	256QAM	36	20	18.60	18.79	18.73	



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15	256QAM	36	39	18.56	18.38	18.91	
15	256QAM	75	0	18.55	18.66	18.75	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.01	23.57	23.11	25.2
10	QPSK	1	25	23.20	23.03	22.97	
10	QPSK	1	49	23.04	23.06	23.38	
10	QPSK	25	0	22.62	22.86	22.63	24.2
10	QPSK	25	12	22.76	22.74	22.69	
10	QPSK	25	25	22.68	22.50	22.84	
10	QPSK	50	0	22.75	22.69	22.74	
10	16QAM	1	0	22.96	23.42	23.00	24.2
10	16QAM	1	25	23.04	22.87	22.99	
10	16QAM	1	49	22.93	22.46	23.23	
10	16QAM	25	0	21.73	21.86	21.63	23.2
10	16QAM	25	12	21.75	21.74	21.71	
10	16QAM	25	25	21.69	21.44	21.85	
10	16QAM	50	0	21.67	21.69	21.73	
10	64QAM	1	0	21.84	22.38	21.83	23.2
10	64QAM	1	25	22.06	21.82	21.84	
10	64QAM	1	49	21.87	21.43	22.19	
10	64QAM	25	0	20.67	20.92	20.69	22.2
10	64QAM	25	12	20.86	20.76	20.73	
10	64QAM	25	25	20.71	20.48	20.89	
10	64QAM	50	0	20.76	20.71	20.69	
10	256QAM	1	0	18.41	19.18	18.78	20.2
10	256QAM	1	25	18.77	18.92	18.61	
10	256QAM	1	49	18.67	18.33	19.20	
10	256QAM	25	0	18.49	18.79	18.69	20.2
10	256QAM	25	12	18.52	18.76	18.76	
10	256QAM	25	25	18.60	18.43	19.00	
10	256QAM	50	0	18.49	18.65	18.76	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.95	23.59	23.16	25.2
5	QPSK	1	12	23.17	22.99	22.96	
5	QPSK	1	24	23.01	23.11	23.43	
5	QPSK	12	0	22.61	22.87	22.63	24.2
5	QPSK	12	7	22.78	22.67	22.66	
5	QPSK	12	13	22.73	22.45	22.80	
5	QPSK	25	0	22.69	22.72	22.75	
5	16QAM	1	0	22.89	23.39	22.95	24.2
5	16QAM	1	12	23.05	22.89	23.01	
5	16QAM	1	24	22.92	22.55	23.26	
5	16QAM	12	0	21.66	21.93	21.66	23.2
5	16QAM	12	7	21.79	21.67	21.77	
5	16QAM	12	13	21.75	21.45	21.86	
5	16QAM	25	0	21.72	21.68	21.65	
5	64QAM	1	0	21.87	22.32	21.90	23.2
5	64QAM	1	12	22.00	21.83	21.82	
5	64QAM	1	24	21.89	21.46	22.16	
5	64QAM	12	0	20.71	21.00	20.72	22.2
5	64QAM	12	7	20.86	20.81	20.76	
5	64QAM	12	13	20.71	20.50	20.91	
5	64QAM	25	0	20.76	20.74	20.68	
5	256QAM	1	0	18.48	19.19	18.74	20.2
5	256QAM	1	12	18.73	18.95	18.59	
5	256QAM	1	24	18.66	18.35	19.18	
5	256QAM	12	0	18.47	18.80	18.73	20.2
5	256QAM	12	7	18.60	18.71	18.75	
5	256QAM	12	13	18.55	18.35	18.94	
5	256QAM	25	0	18.51	18.63	18.82	



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.01	23.59	23.13	25.2
3	QPSK	1	8	23.17	23.05	23.03	
3	QPSK	1	14	23.06	23.06	23.43	
3	QPSK	8	0	22.66	22.88	22.63	24.2
3	QPSK	8	4	22.74	22.70	22.64	
3	QPSK	8	7	22.72	22.46	22.84	
3	QPSK	15	0	22.73	22.72	22.69	
3	16QAM	1	0	22.87	23.37	22.95	24.2
3	16QAM	1	8	23.04	22.87	22.99	
3	16QAM	1	14	22.93	22.49	23.26	
3	16QAM	8	0	21.72	21.92	21.61	23.2
3	16QAM	8	4	21.76	21.66	21.69	
3	16QAM	8	7	21.70	21.50	21.90	
3	16QAM	15	0	21.68	21.66	21.67	
3	64QAM	1	0	21.86	22.34	21.88	23.2
3	64QAM	1	8	22.02	21.81	21.80	
3	64QAM	1	14	21.93	21.48	22.18	
3	64QAM	8	0	20.73	20.96	20.63	22.2
3	64QAM	8	4	20.77	20.75	20.75	
3	64QAM	8	7	20.78	20.51	20.95	
3	64QAM	15	0	20.68	20.74	20.74	
3	256QAM	1	0	18.42	19.10	18.77	20.2
3	256QAM	1	8	18.72	18.97	18.53	
3	256QAM	1	14	18.67	18.36	19.10	
3	256QAM	8	0	18.41	18.78	18.69	20.2
3	256QAM	8	4	18.55	18.73	18.71	
3	256QAM	8	7	18.56	18.37	18.91	
3	256QAM	15	0	18.52	18.64	18.78	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.96	23.59	23.12	25.2
1.4	QPSK	1	3	23.13	23.01	22.99	
1.4	QPSK	1	5	22.99	23.10	23.44	
1.4	QPSK	3	0	23.19	23.41	23.18	
1.4	QPSK	3	1	23.21	23.22	23.18	
1.4	QPSK	3	3	23.15	23.03	23.32	
1.4	QPSK	6	0	22.71	22.72	22.72	24.2
1.4	16QAM	1	0	22.93	23.37	23.03	24.2
1.4	16QAM	1	3	23.11	22.82	22.94	
1.4	16QAM	1	5	22.90	22.47	23.18	
1.4	16QAM	3	0	22.35	22.63	22.34	
1.4	16QAM	3	1	22.42	22.38	22.37	
1.4	16QAM	3	3	22.42	22.23	22.60	
1.4	16QAM	6	0	21.72	21.70	21.67	23.2
1.4	64QAM	1	0	21.85	22.37	21.90	23.2
1.4	64QAM	1	3	22.01	21.87	21.82	
1.4	64QAM	1	5	21.92	21.46	22.22	
1.4	64QAM	3	0	21.72	21.96	21.65	
1.4	64QAM	3	1	21.87	21.72	21.79	
1.4	64QAM	3	3	21.78	21.54	21.95	
1.4	64QAM	6	0	20.66	20.69	20.77	22.2
1.4	256QAM	1	0	18.41	19.11	18.78	20.2
1.4	256QAM	1	3	18.74	18.95	18.56	
1.4	256QAM	1	5	18.59	18.41	19.13	
1.4	256QAM	3	0	18.44	18.83	18.73	
1.4	256QAM	3	1	18.57	18.70	18.73	
1.4	256QAM	3	3	18.62	18.36	18.98	
1.4	256QAM	6	0	18.56	18.65	18.74	20.2



<LTE Band 2_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.84	19.85	19.59	20.8
20	QPSK	1	49	19.78	19.79	19.55	
20	QPSK	1	99	19.61	19.70	19.54	
20	QPSK	50	0	19.76	19.77	19.59	20.8
20	QPSK	50	24	19.63	19.65	19.58	
20	QPSK	50	50	19.54	19.62	19.57	
20	QPSK	100	0	19.70	19.71	19.57	
20	16QAM	1	0	19.68	19.73	19.65	20.8
20	16QAM	1	49	19.77	19.79	19.69	
20	16QAM	1	99	19.60	19.60	19.60	
20	16QAM	50	0	19.59	19.61	19.52	20.8
20	16QAM	50	24	19.62	19.65	19.62	
20	16QAM	50	50	19.51	19.54	19.54	
20	16QAM	100	0	19.54	19.64	19.57	
20	64QAM	1	0	19.68	19.73	19.68	20.8
20	64QAM	1	49	19.71	19.77	19.77	
20	64QAM	1	99	19.53	19.61	19.56	
20	64QAM	50	0	19.64	19.69	19.59	20.8
20	64QAM	50	24	19.62	19.64	19.64	
20	64QAM	50	50	19.54	19.54	19.52	
20	64QAM	100	0	19.63	19.63	19.59	
20	256QAM	1	0	19.70	19.78	19.71	20.7
20	256QAM	1	49	19.65	19.73	19.67	
20	256QAM	1	99	19.60	19.60	19.54	
20	256QAM	50	0	19.59	19.64	19.63	20.7
20	256QAM	50	24	19.56	19.59	19.50	
20	256QAM	50	50	19.60	19.62	19.54	
20	256QAM	100	0	19.56	19.60	19.50	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.82	19.80	19.53	20.8
15	QPSK	1	37	19.78	19.71	19.55	
15	QPSK	1	74	19.53	19.62	19.52	
15	QPSK	36	0	19.69	19.68	19.54	20.8
15	QPSK	36	20	19.58	19.65	19.55	
15	QPSK	36	39	19.44	19.61	19.57	
15	QPSK	75	0	19.61	19.67	19.49	
15	16QAM	1	0	19.66	19.72	19.65	20.8
15	16QAM	1	37	19.67	19.69	19.69	
15	16QAM	1	74	19.55	19.59	19.56	
15	16QAM	36	0	19.56	19.52	19.48	20.8
15	16QAM	36	20	19.61	19.64	19.61	
15	16QAM	36	39	19.45	19.52	19.45	
15	16QAM	75	0	19.54	19.63	19.55	
15	64QAM	1	0	19.62	19.68	19.65	20.8
15	64QAM	1	37	19.68	19.67	19.69	
15	64QAM	1	74	19.51	19.56	19.54	
15	64QAM	36	0	19.56	19.60	19.52	20.8
15	64QAM	36	20	19.59	19.57	19.63	
15	64QAM	36	39	19.53	19.48	19.43	
15	64QAM	75	0	19.59	19.55	19.55	
15	256QAM	1	0	19.66	19.70	19.67	20.7
15	256QAM	1	37	19.59	19.66	19.61	
15	256QAM	1	74	19.50	19.50	19.51	
15	256QAM	36	0	19.59	19.57	19.53	20.7
15	256QAM	36	20	19.50	19.50	19.50	



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15	256QAM	36	39	19.53	19.58	19.45	
15	256QAM	75	0	19.46	19.53	19.41	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.79	19.79	19.58	20.8
10	QPSK	1	25	19.72	19.70	19.45	
10	QPSK	1	49	19.54	19.69	19.52	
10	QPSK	25	0	19.69	19.70	19.53	20.8
10	QPSK	25	12	19.62	19.63	19.51	
10	QPSK	25	25	19.45	19.53	19.55	
10	QPSK	50	0	19.62	19.70	19.47	
10	16QAM	1	0	19.59	19.72	19.60	
10	16QAM	1	25	19.67	19.76	19.66	20.8
10	16QAM	1	49	19.51	19.57	19.60	
10	16QAM	25	0	19.55	19.58	19.49	20.8
10	16QAM	25	12	19.59	19.58	19.58	
10	16QAM	25	25	19.49	19.52	19.49	
10	16QAM	50	0	19.49	19.57	19.51	
10	64QAM	1	0	19.67	19.64	19.60	
10	64QAM	1	25	19.65	19.67	19.67	20.8
10	64QAM	1	49	19.53	19.57	19.55	
10	64QAM	25	0	19.61	19.66	19.59	
10	64QAM	25	12	19.62	19.62	19.56	20.8
10	64QAM	25	25	19.50	19.50	19.51	
10	64QAM	50	0	19.57	19.56	19.54	
10	256QAM	1	0	19.62	19.68	19.63	20.7
10	256QAM	1	25	19.64	19.70	19.62	
10	256QAM	1	49	19.55	19.54	19.53	
10	256QAM	25	0	19.56	19.62	19.55	20.7
10	256QAM	25	12	19.54	19.59	19.48	
10	256QAM	25	25	19.58	19.60	19.45	
10	256QAM	25	0	19.54	19.60	19.43	
10	256QAM	50	0	19.54	19.60	19.43	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	19.80	19.81	19.50	20.8
5	QPSK	1	12	19.69	19.74	19.53	
5	QPSK	1	24	19.54	19.60	19.50	
5	QPSK	12	0	19.66	19.77	19.51	20.8
5	QPSK	12	7	19.63	19.62	19.57	
5	QPSK	12	13	19.45	19.61	19.52	
5	QPSK	25	0	19.69	19.67	19.50	
5	16QAM	1	0	19.65	19.66	19.55	
5	16QAM	1	12	19.70	19.70	19.67	20.8
5	16QAM	1	24	19.59	19.50	19.57	
5	16QAM	12	0	19.54	19.59	19.42	
5	16QAM	12	7	19.55	19.61	19.53	20.8
5	16QAM	12	13	19.46	19.46	19.48	
5	16QAM	25	0	19.47	19.54	19.51	
5	64QAM	1	0	19.61	19.67	19.62	
5	64QAM	1	12	19.66	19.70	19.77	
5	64QAM	1	24	19.49	19.51	19.55	20.8
5	64QAM	12	0	19.55	19.59	19.51	
5	64QAM	12	7	19.54	19.56	19.64	
5	64QAM	12	13	19.54	19.47	19.51	20.8
5	64QAM	25	0	19.54	19.58	19.49	
5	256QAM	1	0	19.69	19.77	19.65	
5	256QAM	1	12	19.55	19.64	19.64	20.7
5	256QAM	1	24	19.57	19.59	19.46	
5	256QAM	12	0	19.49	19.62	19.56	20.7
5	256QAM	12	7	19.54	19.59	19.42	
5	256QAM	12	13	19.50	19.62	19.52	
5	256QAM	12	0	19.48	19.53	19.42	
5	256QAM	25	0	19.48	19.53	19.42	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	19.77	19.78	19.51	20.8
3	QPSK	1	8	19.76	19.78	19.48	
3	QPSK	1	14	19.59	19.69	19.47	
3	QPSK	8	0	19.74	19.72	19.52	20.8
3	QPSK	8	4	19.54	19.60	19.48	
3	QPSK	8	7	19.47	19.61	19.53	
3	QPSK	15	0	19.60	19.70	19.49	
3	16QAM	1	0	19.62	19.63	19.63	20.8
3	16QAM	1	8	19.74	19.75	19.64	
3	16QAM	1	14	19.58	19.53	19.56	
3	16QAM	8	0	19.53	19.55	19.52	20.8
3	16QAM	8	4	19.52	19.61	19.58	
3	16QAM	8	7	19.48	19.46	19.53	
3	16QAM	15	0	19.48	19.59	19.47	
3	64QAM	1	0	19.63	19.73	19.66	20.8
3	64QAM	1	8	19.67	19.75	19.76	
3	64QAM	1	14	19.53	19.61	19.52	
3	64QAM	8	0	19.63	19.69	19.50	20.8
3	64QAM	8	4	19.62	19.63	19.64	
3	64QAM	8	7	19.50	19.47	19.49	
3	64QAM	15	0	19.59	19.59	19.49	
3	256QAM	1	0	19.70	19.68	19.64	20.7
3	256QAM	1	8	19.64	19.73	19.60	
3	256QAM	1	14	19.59	19.56	19.49	
3	256QAM	8	0	19.57	19.61	19.63	20.7
3	256QAM	8	4	19.52	19.59	19.46	
3	256QAM	8	7	19.53	19.52	19.48	
3	256QAM	15	0	19.49	19.50	19.49	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.82	19.84	19.49	20.8
1.4	QPSK	1	3	19.72	19.70	19.48	
1.4	QPSK	1	5	19.59	19.64	19.49	
1.4	QPSK	3	0	19.69	19.67	19.50	
1.4	QPSK	3	1	19.55	19.63	19.54	
1.4	QPSK	3	3	19.51	19.57	19.57	20.8
1.4	QPSK	6	0	19.66	19.68	19.49	
1.4	16QAM	1	0	19.66	19.64	19.65	20.8
1.4	16QAM	1	3	19.72	19.72	19.65	
1.4	16QAM	1	5	19.56	19.55	19.50	
1.4	16QAM	3	0	19.54	19.53	19.52	
1.4	16QAM	3	1	19.57	19.55	19.59	
1.4	16QAM	3	3	19.48	19.47	19.54	20.8
1.4	16QAM	6	0	19.46	19.54	19.57	
1.4	64QAM	1	0	19.62	19.68	19.68	20.8
1.4	64QAM	1	3	19.66	19.75	19.68	
1.4	64QAM	1	5	19.45	19.55	19.47	
1.4	64QAM	3	0	19.64	19.67	19.56	
1.4	64QAM	3	1	19.56	19.63	19.63	
1.4	64QAM	3	3	19.50	19.49	19.44	20.8
1.4	64QAM	6	0	19.61	19.54	19.59	
1.4	256QAM	1	0	19.61	19.74	19.67	20.7
1.4	256QAM	1	3	19.58	19.68	19.66	
1.4	256QAM	1	5	19.58	19.53	19.45	
1.4	256QAM	3	0	19.57	19.61	19.61	
1.4	256QAM	3	1	19.49	19.56	19.40	
1.4	256QAM	3	3	19.52	19.60	19.52	20.7
1.4	256QAM	6	0	19.51	19.56	19.50	



<LTE Band 2_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.84	19.85	19.59	20
20	QPSK	1	49	19.78	19.79	19.55	
20	QPSK	1	99	19.61	19.70	19.54	
20	QPSK	50	0	19.76	19.77	19.59	20
20	QPSK	50	24	19.63	19.65	19.58	
20	QPSK	50	50	19.54	19.62	19.57	
20	QPSK	100	0	19.70	19.71	19.57	20
20	16QAM	1	0	19.68	19.73	19.65	
20	16QAM	1	49	19.77	19.79	19.69	
20	16QAM	1	99	19.60	19.60	19.60	20
20	16QAM	50	0	19.59	19.61	19.52	
20	16QAM	50	24	19.62	19.65	19.62	
20	16QAM	50	50	19.51	19.54	19.54	20
20	16QAM	100	0	19.54	19.64	19.57	
20	64QAM	1	0	19.68	19.73	19.68	
20	64QAM	1	49	19.71	19.77	19.77	20
20	64QAM	1	99	19.53	19.61	19.56	
20	64QAM	50	0	19.64	19.69	19.59	
20	64QAM	50	24	19.62	19.64	19.64	20
20	64QAM	50	50	19.54	19.54	19.52	
20	64QAM	100	0	19.63	19.63	19.59	
20	256QAM	1	0	19.70	19.78	19.71	20
20	256QAM	1	49	19.65	19.73	19.67	
20	256QAM	1	99	19.60	19.60	19.54	
20	256QAM	50	0	19.59	19.64	19.63	20
20	256QAM	50	24	19.56	19.59	19.50	
20	256QAM	50	50	19.60	19.62	19.54	
20	256QAM	100	0	19.56	19.60	19.50	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.82	19.80	19.53	20
15	QPSK	1	37	19.78	19.71	19.55	
15	QPSK	1	74	19.53	19.62	19.52	
15	QPSK	36	0	19.69	19.68	19.54	20
15	QPSK	36	20	19.58	19.65	19.55	
15	QPSK	36	39	19.44	19.61	19.57	
15	QPSK	75	0	19.61	19.67	19.49	20
15	16QAM	1	0	19.66	19.72	19.65	
15	16QAM	1	37	19.67	19.69	19.69	
15	16QAM	1	74	19.55	19.59	19.56	20
15	16QAM	36	0	19.56	19.52	19.48	
15	16QAM	36	20	19.61	19.64	19.61	
15	16QAM	36	39	19.45	19.52	19.45	20
15	16QAM	75	0	19.54	19.63	19.55	
15	64QAM	1	0	19.62	19.68	19.65	
15	64QAM	1	37	19.68	19.67	19.69	20
15	64QAM	1	74	19.51	19.56	19.54	
15	64QAM	36	0	19.56	19.60	19.52	
15	64QAM	36	20	19.59	19.57	19.63	20
15	64QAM	36	39	19.53	19.48	19.43	
15	64QAM	75	0	19.59	19.55	19.55	
15	256QAM	1	0	19.66	19.70	19.67	20
15	256QAM	1	37	19.59	19.66	19.61	
15	256QAM	1	74	19.50	19.50	19.51	
15	256QAM	36	0	19.59	19.57	19.53	20
15	256QAM	36	20	19.50	19.50	19.50	



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15	256QAM	36	39	19.53	19.58	19.45		
15	256QAM	75	0	19.46	19.53	19.41		
Channel				18650	18900	19150	Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.79	19.79	19.58	20	
10	QPSK	1	25	19.72	19.70	19.45		
10	QPSK	1	49	19.54	19.69	19.52		
10	QPSK	25	0	19.69	19.70	19.53	20	
10	QPSK	25	12	19.62	19.63	19.51		
10	QPSK	25	25	19.45	19.53	19.55		
10	QPSK	50	0	19.62	19.70	19.47		
10	16QAM	1	0	19.59	19.72	19.60		
10	16QAM	1	25	19.67	19.76	19.66	20	
10	16QAM	1	49	19.51	19.57	19.60		
10	16QAM	25	0	19.55	19.58	19.49		
10	16QAM	25	12	19.59	19.58	19.58	20	
10	16QAM	25	25	19.49	19.52	19.49		
10	16QAM	50	0	19.49	19.57	19.51		
10	64QAM	1	0	19.67	19.64	19.60		
10	64QAM	1	25	19.65	19.67	19.67		
10	64QAM	1	49	19.53	19.57	19.55	20	
10	64QAM	25	0	19.61	19.66	19.59		
10	64QAM	25	12	19.62	19.62	19.56		
10	64QAM	25	25	19.50	19.50	19.51		
10	64QAM	50	0	19.57	19.56	19.54		
10	256QAM	1	0	19.62	19.68	19.63	20	
10	256QAM	1	25	19.64	19.70	19.62		
10	256QAM	1	49	19.55	19.54	19.53		
10	256QAM	25	0	19.56	19.62	19.55		
10	256QAM	25	12	19.54	19.59	19.48	20	
10	256QAM	25	25	19.58	19.60	19.45		
10	256QAM	50	0	19.54	19.60	19.43		
Channel				18625	18900	19175		Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.80	19.81	19.50	20	
5	QPSK	1	12	19.69	19.74	19.53		
5	QPSK	1	24	19.54	19.60	19.50		
5	QPSK	12	0	19.66	19.77	19.51	20	
5	QPSK	12	7	19.63	19.62	19.57		
5	QPSK	12	13	19.45	19.61	19.52		
5	QPSK	25	0	19.69	19.67	19.50		
5	16QAM	1	0	19.65	19.66	19.55		
5	16QAM	1	12	19.70	19.70	19.67	20	
5	16QAM	1	24	19.59	19.50	19.57		
5	16QAM	12	0	19.54	19.59	19.42		
5	16QAM	12	7	19.55	19.61	19.53		
5	16QAM	12	13	19.46	19.46	19.48	20	
5	16QAM	25	0	19.47	19.54	19.51		
5	64QAM	1	0	19.61	19.67	19.62		
5	64QAM	1	12	19.66	19.70	19.77		
5	64QAM	1	24	19.49	19.51	19.55		
5	64QAM	12	0	19.55	19.59	19.51	20	
5	64QAM	12	7	19.54	19.56	19.64		
5	64QAM	12	13	19.54	19.47	19.51		
5	64QAM	25	0	19.54	19.58	19.49		
5	256QAM	1	0	19.69	19.77	19.65		
5	256QAM	1	12	19.55	19.64	19.64	20	
5	256QAM	1	24	19.57	19.59	19.46		
5	256QAM	12	0	19.49	19.62	19.56		
5	256QAM	12	7	19.54	19.59	19.42		
5	256QAM	12	13	19.50	19.62	19.52	20	
5	256QAM	25	0	19.48	19.53	19.42		



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	19.77	19.78	19.51	20
3	QPSK	1	8	19.76	19.78	19.48	
3	QPSK	1	14	19.59	19.69	19.47	
3	QPSK	8	0	19.74	19.72	19.52	20
3	QPSK	8	4	19.54	19.60	19.48	
3	QPSK	8	7	19.47	19.61	19.53	
3	QPSK	15	0	19.60	19.70	19.49	
3	16QAM	1	0	19.62	19.63	19.63	20
3	16QAM	1	8	19.74	19.75	19.64	
3	16QAM	1	14	19.58	19.53	19.56	
3	16QAM	8	0	19.53	19.55	19.52	20
3	16QAM	8	4	19.52	19.61	19.58	
3	16QAM	8	7	19.48	19.46	19.53	
3	16QAM	15	0	19.48	19.59	19.47	
3	64QAM	1	0	19.63	19.73	19.66	20
3	64QAM	1	8	19.67	19.75	19.76	
3	64QAM	1	14	19.53	19.61	19.52	
3	64QAM	8	0	19.63	19.69	19.50	20
3	64QAM	8	4	19.62	19.63	19.64	
3	64QAM	8	7	19.50	19.47	19.49	
3	64QAM	15	0	19.59	19.59	19.49	
3	256QAM	1	0	19.70	19.68	19.64	20
3	256QAM	1	8	19.64	19.73	19.60	
3	256QAM	1	14	19.59	19.56	19.49	
3	256QAM	8	0	19.57	19.61	19.63	20
3	256QAM	8	4	19.52	19.59	19.46	
3	256QAM	8	7	19.53	19.52	19.48	
3	256QAM	15	0	19.49	19.50	19.49	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.82	19.84	19.49	20
1.4	QPSK	1	3	19.72	19.70	19.48	
1.4	QPSK	1	5	19.59	19.64	19.49	
1.4	QPSK	3	0	19.69	19.67	19.50	
1.4	QPSK	3	1	19.55	19.63	19.54	
1.4	QPSK	3	3	19.51	19.57	19.57	
1.4	QPSK	6	0	19.66	19.68	19.49	20
1.4	16QAM	1	0	19.66	19.64	19.65	20
1.4	16QAM	1	3	19.72	19.72	19.65	
1.4	16QAM	1	5	19.56	19.55	19.50	
1.4	16QAM	3	0	19.54	19.53	19.52	
1.4	16QAM	3	1	19.57	19.55	19.59	
1.4	16QAM	3	3	19.48	19.47	19.54	
1.4	16QAM	6	0	19.46	19.54	19.57	20
1.4	64QAM	1	0	19.62	19.68	19.68	20
1.4	64QAM	1	3	19.66	19.75	19.68	
1.4	64QAM	1	5	19.45	19.55	19.47	
1.4	64QAM	3	0	19.64	19.67	19.56	
1.4	64QAM	3	1	19.56	19.63	19.63	
1.4	64QAM	3	3	19.50	19.49	19.44	
1.4	64QAM	6	0	19.61	19.54	19.59	20
1.4	256QAM	1	0	19.61	19.74	19.67	20
1.4	256QAM	1	3	19.58	19.68	19.66	
1.4	256QAM	1	5	19.58	19.53	19.45	
1.4	256QAM	3	0	19.57	19.61	19.61	
1.4	256QAM	3	1	19.49	19.56	19.40	
1.4	256QAM	3	3	19.52	19.60	19.52	
1.4	256QAM	6	0	19.51	19.56	19.50	20



<LTE Band 2_Ant 1_Index 4/5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	24.34	24.44	24.43	25.7
20	QPSK	1	49	24.13	24.26	24.19	
20	QPSK	1	99	23.97	24.29	24.04	
20	QPSK	50	0	23.37	23.48	23.47	24.7
20	QPSK	50	24	23.36	23.44	23.36	
20	QPSK	50	50	23.25	23.40	23.26	
20	QPSK	100	0	23.35	23.49	23.29	
20	16QAM	1	0	23.69	23.53	23.61	24.7
20	16QAM	1	49	23.36	23.59	23.39	
20	16QAM	1	99	23.26	23.58	23.18	
20	16QAM	50	0	22.46	22.52	22.37	23.7
20	16QAM	50	24	22.32	22.58	22.25	
20	16QAM	50	50	22.20	22.53	22.22	
20	16QAM	100	0	22.29	22.54	22.31	
20	64QAM	1	0	22.64	22.53	22.67	23.7
20	64QAM	1	49	22.12	22.66	22.47	
20	64QAM	1	99	22.21	22.68	22.23	
20	64QAM	50	0	21.42	21.52	21.43	22.7
20	64QAM	50	24	21.38	21.48	21.31	
20	64QAM	50	50	21.26	21.44	21.18	
20	64QAM	100	0	21.34	21.44	21.26	
20	256QAM	1	0	19.75	19.60	19.66	20.7
20	256QAM	1	49	19.58	19.57	19.60	
20	256QAM	1	99	19.29	19.48	19.31	
20	256QAM	50	0	19.45	19.40	19.47	20.7
20	256QAM	50	24	19.34	19.36	19.36	
20	256QAM	50	50	19.22	19.31	19.24	
20	256QAM	100	0	19.34	19.38	19.36	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	24.16	24.25	24.31	25.7
15	QPSK	1	37	23.99	24.13	23.99	
15	QPSK	1	74	23.79	24.16	23.85	
15	QPSK	36	0	23.19	23.29	23.35	24.7
15	QPSK	36	20	23.23	23.31	23.20	
15	QPSK	36	39	23.05	23.23	23.10	
15	QPSK	75	0	23.19	23.32	23.09	
15	16QAM	1	0	23.55	23.35	23.51	24.7
15	16QAM	1	37	23.17	23.48	23.22	
15	16QAM	1	74	23.09	23.43	23.04	
15	16QAM	36	0	22.36	22.37	22.21	23.7
15	16QAM	36	20	22.16	22.47	22.06	
15	16QAM	36	39	22.03	22.33	22.03	
15	16QAM	75	0	22.16	22.37	22.19	
15	64QAM	1	0	22.52	22.36	22.49	23.7
15	64QAM	1	37	21.92	22.53	22.35	
15	64QAM	1	74	22.03	22.54	22.09	
15	64QAM	36	0	21.23	21.38	21.25	22.7
15	64QAM	36	20	21.18	21.37	21.18	
15	64QAM	36	39	21.06	21.31	20.99	
15	64QAM	75	0	21.23	21.33	21.12	
15	256QAM	1	0	19.58	19.45	19.56	20.7
15	256QAM	1	37	19.46	19.39	19.43	
15	256QAM	1	74	19.13	19.28	19.19	
15	256QAM	36	0	19.35	19.27	19.37	20.7
15	256QAM	36	20	19.15	19.19	19.23	



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15	256QAM	36	39	19.09	19.15	19.10	
15	256QAM	75	0	19.19	19.18	19.22	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	24.15	24.20	24.28	25.7
10	QPSK	1	25	24.01	24.15	24.08	
10	QPSK	1	49	23.87	24.10	23.90	
10	QPSK	25	0	23.18	23.33	23.27	24.7
10	QPSK	25	12	23.24	23.33	23.25	
10	QPSK	25	25	23.07	23.25	23.10	
10	QPSK	50	0	23.22	23.37	23.14	
10	16QAM	1	0	23.59	23.33	23.48	24.7
10	16QAM	1	25	23.17	23.43	23.27	
10	16QAM	1	49	23.13	23.47	22.98	
10	16QAM	25	0	22.35	22.37	22.23	23.7
10	16QAM	25	12	22.22	22.40	22.11	
10	16QAM	25	25	22.09	22.43	22.12	
10	16QAM	50	0	22.12	22.44	22.17	
10	64QAM	1	0	22.44	22.43	22.49	
10	64QAM	1	25	21.95	22.52	22.29	23.7
10	64QAM	1	49	22.07	22.57	22.05	
10	64QAM	25	0	21.22	21.37	21.30	
10	64QAM	25	12	21.25	21.33	21.11	22.7
10	64QAM	25	25	21.13	21.33	20.98	
10	64QAM	50	0	21.23	21.25	21.14	
10	256QAM	1	0	19.60	19.43	19.54	20.7
10	256QAM	1	25	19.44	19.47	19.49	
10	256QAM	1	49	19.17	19.37	19.12	
10	256QAM	25	0	19.34	19.27	19.33	20.7
10	256QAM	25	12	19.22	19.20	19.25	
10	256QAM	25	25	19.05	19.19	19.11	
10	256QAM	50	0	19.22	19.20	19.22	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	24.16	24.24	24.29	25.7
5	QPSK	1	12	23.94	24.07	24.02	
5	QPSK	1	24	23.78	24.10	23.87	
5	QPSK	12	0	23.21	23.30	23.32	24.7
5	QPSK	12	7	23.23	23.34	23.25	
5	QPSK	12	13	23.08	23.29	23.07	
5	QPSK	25	0	23.23	23.30	23.11	
5	16QAM	1	0	23.51	23.38	23.45	24.7
5	16QAM	1	12	23.21	23.45	23.28	
5	16QAM	1	24	23.08	23.38	23.05	
5	16QAM	12	0	22.31	22.40	22.27	23.7
5	16QAM	12	7	22.15	22.41	22.05	
5	16QAM	12	13	22.06	22.40	22.10	
5	16QAM	25	0	22.16	22.39	22.13	
5	64QAM	1	0	22.44	22.34	22.48	23.7
5	64QAM	1	12	22.02	22.51	22.36	
5	64QAM	1	24	22.02	22.49	22.10	
5	64QAM	12	0	21.31	21.39	21.23	22.7
5	64QAM	12	7	21.27	21.30	21.11	
5	64QAM	12	13	21.12	21.26	21.05	
5	64QAM	25	0	21.24	21.29	21.16	
5	256QAM	1	0	19.58	19.46	19.53	20.7
5	256QAM	1	12	19.48	19.39	19.47	
5	256QAM	1	24	19.12	19.31	19.20	
5	256QAM	12	0	19.30	19.28	19.36	20.7
5	256QAM	12	7	19.20	19.23	19.21	
5	256QAM	12	13	19.09	19.12	19.08	
5	256QAM	25	0	19.21	19.18	19.21	



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	24.24	24.25	24.24	25.7
3	QPSK	1	8	23.98	24.06	24.08	
3	QPSK	1	14	23.83	24.14	23.94	
3	QPSK	8	0	23.21	23.38	23.27	24.7
3	QPSK	8	4	23.19	23.27	23.21	
3	QPSK	8	7	23.08	23.20	23.15	
3	QPSK	15	0	23.24	23.34	23.19	24.7
3	16QAM	1	0	23.55	23.43	23.41	
3	16QAM	1	8	23.20	23.48	23.20	
3	16QAM	1	14	23.06	23.45	23.03	23.7
3	16QAM	8	0	22.34	22.34	22.23	
3	16QAM	8	4	22.19	22.48	22.06	
3	16QAM	8	7	22.07	22.36	22.02	23.7
3	16QAM	15	0	22.09	22.43	22.18	
3	64QAM	1	0	22.51	22.33	22.50	
3	64QAM	1	8	21.95	22.52	22.27	23.7
3	64QAM	1	14	22.05	22.56	22.04	
3	64QAM	8	0	21.25	21.35	21.28	
3	64QAM	8	4	21.24	21.31	21.18	22.7
3	64QAM	8	7	21.11	21.34	21.06	
3	64QAM	15	0	21.22	21.28	21.08	
3	256QAM	1	0	19.57	19.46	19.47	20.7
3	256QAM	1	8	19.44	19.44	19.41	
3	256QAM	1	14	19.12	19.31	19.16	
3	256QAM	8	0	19.32	19.21	19.34	20.7
3	256QAM	8	4	19.20	19.20	19.22	
3	256QAM	8	7	19.03	19.13	19.13	
3	256QAM	15	0	19.21	19.21	19.20	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	24.02	24.18	24.03	25.7
1.4	QPSK	1	3	23.93	24.12	23.98	
1.4	QPSK	1	5	24.08	24.20	24.07	
1.4	QPSK	3	0	23.96	24.16	24.06	
1.4	QPSK	3	1	24.04	24.16	24.02	
1.4	QPSK	3	3	24.03	24.21	24.07	
1.4	QPSK	6	0	23.19	23.31	23.17	24.7
1.4	16QAM	1	0	23.49	23.63	23.43	24.7
1.4	16QAM	1	3	23.37	23.51	23.39	
1.4	16QAM	1	5	23.42	23.62	23.46	
1.4	16QAM	3	0	23.21	23.33	23.16	
1.4	16QAM	3	1	23.17	23.32	23.22	
1.4	16QAM	3	3	23.12	23.25	23.13	
1.4	16QAM	6	0	22.27	22.38	22.28	23.7
1.4	64QAM	1	0	22.60	22.71	22.61	23.7
1.4	64QAM	1	3	22.43	22.59	22.42	
1.4	64QAM	1	5	22.48	22.68	22.57	
1.4	64QAM	3	0	22.31	22.44	22.26	
1.4	64QAM	3	1	22.28	22.39	22.25	
1.4	64QAM	3	3	22.18	22.37	22.18	
1.4	64QAM	6	0	21.19	21.36	21.18	22.7
1.4	256QAM	1	0	19.42	19.61	19.42	20.7
1.4	256QAM	1	3	19.33	19.51	19.38	
1.4	256QAM	1	5	19.47	19.64	19.53	
1.4	256QAM	3	0	19.33	19.50	19.40	
1.4	256QAM	3	1	19.38	19.50	19.38	
1.4	256QAM	3	3	19.33	19.43	19.30	
1.4	256QAM	6	0	19.13	19.31	19.20	20.7



<LTE Band 2_Ant 2_Index 2>

Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel		18700	18900	19100	
Frequency (MHz)		1860	1880	1900	
20	QPSK 1 0	24.32	24.70	24.39	25.7
20	QPSK 1 49	24.44	24.37	24.32	
20	QPSK 1 99	24.31	23.97	24.38	
20	QPSK 50 0	23.54	23.71	23.51	24.7
20	QPSK 50 24	23.53	23.51	23.50	
20	QPSK 50 50	23.52	23.29	23.50	
20	QPSK 100 0	23.52	23.54	23.53	
20	16QAM 1 0	23.63	24.09	23.65	24.7
20	16QAM 1 49	23.78	23.61	23.56	
20	16QAM 1 99	23.69	23.32	23.90	
20	16QAM 50 0	22.49	22.72	22.49	23.7
20	16QAM 50 24	22.56	22.51	22.52	
20	16QAM 50 50	22.51	22.27	22.65	
20	16QAM 100 0	22.48	22.47	22.50	
20	64QAM 1 0	22.48	23.18	22.63	23.7
20	64QAM 1 49	22.61	22.76	22.56	
20	64QAM 1 99	22.61	22.27	22.89	
20	64QAM 50 0	21.54	21.77	21.56	22.7
20	64QAM 50 24	21.62	21.55	21.60	
20	64QAM 50 50	21.58	21.35	21.74	
20	64QAM 100 0	21.51	21.53	21.57	
20	256QAM 1 0	19.36	20.00	19.86	20.7
20	256QAM 1 49	19.48	19.90	19.61	
20	256QAM 1 99	19.57	19.45	19.85	
20	256QAM 50 0	19.46	19.86	19.63	20.7
20	256QAM 50 24	19.53	19.68	19.58	
20	256QAM 50 50	19.55	19.48	19.73	
20	256QAM 100 0	19.54	19.63	19.72	
Channel		18675	18900	19125	
Frequency (MHz)		1857.5	1880	1902.5	
15	QPSK 1 0	24.42	24.70	24.38	25.7
15	QPSK 1 37	24.47	24.44	24.39	
15	QPSK 1 74	24.66	24.26	24.70	
15	QPSK 36 0	23.58	23.76	23.53	24.7
15	QPSK 36 20	23.65	23.59	23.60	
15	QPSK 36 39	23.68	23.44	23.72	
15	QPSK 75 0	23.63	23.60	23.63	
15	16QAM 1 0	23.82	24.15	23.69	24.7
15	16QAM 1 37	23.96	23.78	23.84	
15	16QAM 1 74	23.96	23.56	24.08	
15	16QAM 36 0	22.59	22.77	22.56	23.7
15	16QAM 36 20	22.67	22.58	22.62	
15	16QAM 36 39	22.71	22.42	22.75	
15	16QAM 75 0	22.61	22.57	22.58	
15	64QAM 1 0	22.74	23.10	22.62	23.7
15	64QAM 1 37	22.92	22.67	22.75	
15	64QAM 1 74	22.93	22.33	22.96	
15	64QAM 36 0	21.61	21.81	21.53	22.7
15	64QAM 36 20	21.72	21.61	21.62	
15	64QAM 36 39	21.75	21.47	21.79	
15	64QAM 75 0	21.63	21.59	21.58	
15	256QAM 1 0	19.17	19.88	19.68	20.7
15	256QAM 1 37	19.28	19.80	19.50	
15	256QAM 1 74	19.41	19.30	19.73	
15	256QAM 36 0	19.27	19.66	19.45	20.7
15	256QAM 36 20	19.40	19.48	19.39	



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15	256QAM	36	39	19.44	19.36	19.58	
15	256QAM	75	0	19.36	19.46	19.61	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	24.43	24.69	24.31	25.7
10	QPSK	1	25	24.48	24.30	24.33	
10	QPSK	1	49	24.64	24.24	24.60	
10	QPSK	25	0	23.51	23.62	23.42	24.7
10	QPSK	25	12	23.57	23.51	23.49	
10	QPSK	25	25	23.62	23.42	23.60	
10	QPSK	50	0	23.54	23.51	23.53	
10	16QAM	1	0	23.70	23.98	23.60	24.7
10	16QAM	1	25	23.86	23.74	23.71	
10	16QAM	1	49	23.89	23.51	23.87	
10	16QAM	25	0	22.54	22.64	22.48	23.7
10	16QAM	25	12	22.59	22.56	22.56	
10	16QAM	25	25	22.67	22.48	22.66	
10	16QAM	50	0	22.61	22.60	22.60	
10	64QAM	1	0	22.70	23.00	22.66	23.7
10	64QAM	1	25	22.69	22.68	22.78	
10	64QAM	1	49	22.93	22.48	22.97	
10	64QAM	25	0	21.54	21.63	21.45	22.7
10	64QAM	25	12	21.61	21.57	21.55	
10	64QAM	25	25	21.69	21.48	21.65	
10	64QAM	50	0	21.67	21.60	21.65	
10	256QAM	1	0	19.26	19.88	19.74	20.7
10	256QAM	1	25	19.28	19.70	19.48	
10	256QAM	1	49	19.44	19.34	19.66	
10	256QAM	25	0	19.34	19.68	19.49	20.7
10	256QAM	25	12	19.35	19.58	19.47	
10	256QAM	25	25	19.39	19.36	19.62	
10	256QAM	50	0	19.43	19.50	19.55	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	24.29	24.39	24.37	25.7
5	QPSK	1	12	24.28	24.26	24.37	
5	QPSK	1	24	24.41	24.22	24.50	
5	QPSK	12	0	23.38	23.42	23.39	24.7
5	QPSK	12	7	23.46	23.38	23.46	
5	QPSK	12	13	23.49	23.32	23.50	
5	QPSK	25	0	23.36	23.32	23.38	
5	16QAM	1	0	23.62	23.74	23.59	24.7
5	16QAM	1	12	23.62	23.60	23.72	
5	16QAM	1	24	23.72	23.51	23.86	
5	16QAM	12	0	22.43	22.44	22.46	23.7
5	16QAM	12	7	22.53	22.40	22.58	
5	16QAM	12	13	22.55	22.32	22.62	
5	16QAM	25	0	22.42	22.34	22.45	
5	64QAM	1	0	22.61	22.63	22.57	23.7
5	64QAM	1	12	22.59	22.50	22.54	
5	64QAM	1	24	22.69	22.44	22.77	
5	64QAM	12	0	21.41	21.46	21.50	22.7
5	64QAM	12	7	21.47	21.40	21.57	
5	64QAM	12	13	21.52	21.32	21.61	
5	64QAM	25	0	21.43	21.33	21.47	
5	256QAM	1	0	19.18	19.81	19.72	20.7
5	256QAM	1	12	19.38	19.79	19.42	
5	256QAM	1	24	19.39	19.34	19.68	
5	256QAM	12	0	19.29	19.71	19.47	20.7
5	256QAM	12	7	19.34	19.53	19.45	
5	256QAM	12	13	19.37	19.31	19.58	
5	256QAM	25	0	19.43	19.46	19.59	



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Channel				18615	18900	19185	Tune-up limit (dBm)	
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.59	24.66	24.68	25.7	
3	QPSK	1	8	24.49	24.43	24.57		
3	QPSK	1	14	24.57	24.45	24.70		
3	QPSK	8	0	23.62	23.57	23.70	24.7	
3	QPSK	8	4	23.64	23.53	23.76		
3	QPSK	8	7	23.70	23.56	23.81		
3	QPSK	15	0	23.69	23.59	23.76	24.7	
3	16QAM	1	0	23.94	23.90	24.06		
3	16QAM	1	8	23.86	23.76	23.99		
3	16QAM	1	14	23.99	23.81	24.10	23.7	
3	16QAM	8	0	22.71	22.65	22.79		
3	16QAM	8	4	22.75	22.65	22.85		
3	16QAM	8	7	22.86	22.64	22.88	23.7	
3	16QAM	15	0	22.74	22.63	22.80		
3	64QAM	1	0	22.80	22.84	22.85		
3	64QAM	1	8	22.84	22.69	22.92	23.7	
3	64QAM	1	14	22.92	22.72	23.06		
3	64QAM	8	0	21.67	21.62	21.75		
3	64QAM	8	4	21.76	21.63	21.78	22.7	
3	64QAM	8	7	21.79	21.58	21.81		
3	64QAM	15	0	21.77	21.67	21.79		
3	256QAM	1	0	19.22	19.80	19.67	20.7	
3	256QAM	1	8	19.34	19.77	19.50		
3	256QAM	1	14	19.47	19.35	19.71		
3	256QAM	8	0	19.36	19.74	19.47	20.7	
3	256QAM	8	4	19.38	19.57	19.43		
3	256QAM	8	7	19.35	19.31	19.53		
3	256QAM	15	0	19.36	19.47	19.61	20.7	
Channel				18607	18900	19193		Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.47	24.37	24.57	25.7	
1.4	QPSK	1	3	24.40	24.29	24.52		
1.4	QPSK	1	5	24.53	24.36	24.63		
1.4	QPSK	3	0	24.43	24.32	24.57	24.7	
1.4	QPSK	3	1	24.52	24.35	24.63		
1.4	QPSK	3	3	24.51	24.34	24.62		
1.4	QPSK	6	0	23.48	23.36	23.67	24.7	
1.4	16QAM	1	0	23.84	23.75	23.98		
1.4	16QAM	1	3	23.77	23.63	23.94		
1.4	16QAM	1	5	23.87	23.66	24.02	24.7	
1.4	16QAM	3	0	23.56	23.51	23.76		
1.4	16QAM	3	1	23.60	23.41	23.63		
1.4	16QAM	3	3	23.59	23.43	23.74	23.7	
1.4	16QAM	6	0	22.50	22.39	22.71		
1.4	64QAM	1	0	22.73	22.55	22.86		
1.4	64QAM	1	3	22.63	22.49	22.80	23.7	
1.4	64QAM	1	5	22.74	22.55	22.91		
1.4	64QAM	3	0	22.56	22.44	22.77		
1.4	64QAM	3	1	22.60	22.48	22.71	22.7	
1.4	64QAM	3	3	22.62	22.42	22.82		
1.4	64QAM	6	0	21.45	21.29	21.60		
1.4	256QAM	1	0	19.65	19.67	19.78	20.7	
1.4	256QAM	1	3	19.73	19.64	19.75		
1.4	256QAM	1	5	19.70	19.63	19.82		
1.4	256QAM	3	0	19.54	19.63	19.72	20.7	
1.4	256QAM	3	1	19.56	19.66	19.69		
1.4	256QAM	3	3	19.62	19.64	19.73		
1.4	256QAM	6	0	19.55	19.58	19.72	20.7	



<LTE Band 2_Ant 2_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	24.32	24.76	24.39	24.7
20	QPSK	1	49	24.44	24.37	24.32	
20	QPSK	1	99	24.31	23.97	24.38	
20	QPSK	50	0	23.54	23.71	23.51	24.7
20	QPSK	50	24	23.53	23.51	23.50	
20	QPSK	50	50	23.52	23.29	23.50	
20	QPSK	100	0	23.52	23.54	23.53	
20	16QAM	1	0	23.63	24.09	23.65	24.7
20	16QAM	1	49	23.78	23.61	23.56	
20	16QAM	1	99	23.69	23.32	23.90	
20	16QAM	50	0	22.49	22.72	22.49	23.7
20	16QAM	50	24	22.56	22.51	22.52	
20	16QAM	50	50	22.51	22.27	22.65	
20	16QAM	100	0	22.48	22.47	22.50	
20	64QAM	1	0	22.48	23.18	22.63	23.7
20	64QAM	1	49	22.61	22.76	22.56	
20	64QAM	1	99	22.61	22.27	22.89	
20	64QAM	50	0	21.54	21.77	21.56	22.7
20	64QAM	50	24	21.62	21.55	21.60	
20	64QAM	50	50	21.58	21.35	21.74	
20	64QAM	100	0	21.51	21.53	21.57	
20	256QAM	1	0	19.36	20.00	19.86	20.7
20	256QAM	1	49	19.48	19.90	19.61	
20	256QAM	1	99	19.57	19.45	19.85	
20	256QAM	50	0	19.46	19.86	19.63	20.7
20	256QAM	50	24	19.53	19.68	19.58	
20	256QAM	50	50	19.55	19.48	19.73	
20	256QAM	100	0	19.54	19.63	19.72	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	24.42	24.70	24.38	24.7
15	QPSK	1	37	24.47	24.44	24.39	
15	QPSK	1	74	24.66	24.26	24.70	
15	QPSK	36	0	23.58	23.76	23.53	24.7
15	QPSK	36	20	23.65	23.59	23.60	
15	QPSK	36	39	23.68	23.44	23.72	
15	QPSK	75	0	23.63	23.60	23.63	
15	16QAM	1	0	23.82	24.15	23.69	24.7
15	16QAM	1	37	23.96	23.78	23.84	
15	16QAM	1	74	23.96	23.56	24.08	
15	16QAM	36	0	22.59	22.77	22.56	23.7
15	16QAM	36	20	22.67	22.58	22.62	
15	16QAM	36	39	22.71	22.42	22.75	
15	16QAM	75	0	22.61	22.57	22.58	
15	64QAM	1	0	22.74	23.10	22.62	23.7
15	64QAM	1	37	22.92	22.67	22.75	
15	64QAM	1	74	22.93	22.33	22.96	
15	64QAM	36	0	21.61	21.81	21.53	22.7
15	64QAM	36	20	21.72	21.61	21.62	
15	64QAM	36	39	21.75	21.47	21.79	
15	64QAM	75	0	21.63	21.59	21.58	
15	256QAM	1	0	19.17	19.88	19.68	20.7
15	256QAM	1	37	19.28	19.80	19.50	
15	256QAM	1	74	19.41	19.30	19.73	
15	256QAM	36	0	19.27	19.66	19.45	20.7
15	256QAM	36	20	19.40	19.48	19.39	



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15	256QAM	36	39	19.44	19.36	19.58	
15	256QAM	75	0	19.36	19.46	19.61	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	24.43	24.69	24.31	24.7
10	QPSK	1	25	24.48	24.30	24.33	
10	QPSK	1	49	24.64	24.24	24.60	
10	QPSK	25	0	23.51	23.62	23.42	24.7
10	QPSK	25	12	23.57	23.51	23.49	
10	QPSK	25	25	23.62	23.42	23.60	
10	QPSK	50	0	23.54	23.51	23.53	
10	16QAM	1	0	23.70	23.98	23.60	24.7
10	16QAM	1	25	23.86	23.74	23.71	
10	16QAM	1	49	23.89	23.51	23.87	
10	16QAM	25	0	22.54	22.64	22.48	23.7
10	16QAM	25	12	22.59	22.56	22.56	
10	16QAM	25	25	22.67	22.48	22.66	
10	16QAM	50	0	22.61	22.60	22.60	
10	64QAM	1	0	22.70	23.00	22.66	23.7
10	64QAM	1	25	22.69	22.68	22.78	
10	64QAM	1	49	22.93	22.48	22.97	
10	64QAM	25	0	21.54	21.63	21.45	22.7
10	64QAM	25	12	21.61	21.57	21.55	
10	64QAM	25	25	21.69	21.48	21.65	
10	64QAM	50	0	21.67	21.60	21.65	
10	256QAM	1	0	19.26	19.88	19.74	20.7
10	256QAM	1	25	19.28	19.70	19.48	
10	256QAM	1	49	19.44	19.34	19.66	
10	256QAM	25	0	19.34	19.68	19.49	20.7
10	256QAM	25	12	19.35	19.58	19.47	
10	256QAM	25	25	19.39	19.36	19.62	
10	256QAM	50	0	19.43	19.50	19.55	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	24.29	24.39	24.37	24.7
5	QPSK	1	12	24.28	24.26	24.37	
5	QPSK	1	24	24.41	24.22	24.50	
5	QPSK	12	0	23.38	23.42	23.39	24.7
5	QPSK	12	7	23.46	23.38	23.46	
5	QPSK	12	13	23.49	23.32	23.50	
5	QPSK	25	0	23.36	23.32	23.38	
5	16QAM	1	0	23.62	23.74	23.59	24.7
5	16QAM	1	12	23.62	23.60	23.72	
5	16QAM	1	24	23.72	23.51	23.86	
5	16QAM	12	0	22.43	22.44	22.46	23.7
5	16QAM	12	7	22.53	22.40	22.58	
5	16QAM	12	13	22.55	22.32	22.62	
5	16QAM	25	0	22.42	22.34	22.45	
5	64QAM	1	0	22.61	22.63	22.57	23.7
5	64QAM	1	12	22.59	22.50	22.54	
5	64QAM	1	24	22.69	22.44	22.77	
5	64QAM	12	0	21.41	21.46	21.50	22.7
5	64QAM	12	7	21.47	21.40	21.57	
5	64QAM	12	13	21.52	21.32	21.61	
5	64QAM	25	0	21.43	21.33	21.47	
5	256QAM	1	0	19.18	19.81	19.72	20.7
5	256QAM	1	12	19.38	19.79	19.42	
5	256QAM	1	24	19.39	19.34	19.68	
5	256QAM	12	0	19.29	19.71	19.47	20.7
5	256QAM	12	7	19.34	19.53	19.45	
5	256QAM	12	13	19.37	19.31	19.58	
5	256QAM	25	0	19.43	19.46	19.59	



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Channel				18615	18900	19185	Tune-up limit (dBm)	
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.59	24.66	24.68	24.7	
3	QPSK	1	8	24.49	24.43	24.57		
3	QPSK	1	14	24.57	24.45	24.70		
3	QPSK	8	0	23.62	23.57	23.70	24.7	
3	QPSK	8	4	23.64	23.53	23.76		
3	QPSK	8	7	23.70	23.56	23.81		
3	QPSK	15	0	23.69	23.59	23.76	24.7	
3	16QAM	1	0	23.94	23.90	24.06		
3	16QAM	1	8	23.86	23.76	23.99		
3	16QAM	1	14	23.99	23.81	24.10	23.7	
3	16QAM	8	0	22.71	22.65	22.79		
3	16QAM	8	4	22.75	22.65	22.85		
3	16QAM	8	7	22.86	22.64	22.88	23.7	
3	16QAM	15	0	22.74	22.63	22.80		
3	64QAM	1	0	22.80	22.84	22.85		
3	64QAM	1	8	22.84	22.69	22.92	23.7	
3	64QAM	1	14	22.92	22.72	23.06		
3	64QAM	8	0	21.67	21.62	21.75		
3	64QAM	8	4	21.76	21.63	21.78	22.7	
3	64QAM	8	7	21.79	21.58	21.81		
3	64QAM	15	0	21.77	21.67	21.79		
3	256QAM	1	0	19.22	19.80	19.67	20.7	
3	256QAM	1	8	19.34	19.77	19.50		
3	256QAM	1	14	19.47	19.35	19.71		
3	256QAM	8	0	19.36	19.74	19.47	20.7	
3	256QAM	8	4	19.38	19.57	19.43		
3	256QAM	8	7	19.35	19.31	19.53		
3	256QAM	15	0	19.36	19.47	19.61	20.7	
Channel				18607	18900	19193		Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.47	24.37	24.57	24.7	
1.4	QPSK	1	3	24.40	24.29	24.52		
1.4	QPSK	1	5	24.53	24.36	24.63		
1.4	QPSK	3	0	24.43	24.32	24.57	24.7	
1.4	QPSK	3	1	24.52	24.35	24.63		
1.4	QPSK	3	3	24.51	24.34	24.62		
1.4	QPSK	6	0	23.48	23.36	23.67	24.7	
1.4	16QAM	1	0	23.84	23.75	23.98		
1.4	16QAM	1	3	23.77	23.63	23.94		
1.4	16QAM	1	5	23.87	23.66	24.02	24.7	
1.4	16QAM	3	0	23.56	23.51	23.76		
1.4	16QAM	3	1	23.60	23.41	23.63		
1.4	16QAM	3	3	23.59	23.43	23.74	23.7	
1.4	16QAM	6	0	22.50	22.39	22.71		
1.4	64QAM	1	0	22.73	22.55	22.86		
1.4	64QAM	1	3	22.63	22.49	22.80	23.7	
1.4	64QAM	1	5	22.74	22.55	22.91		
1.4	64QAM	3	0	22.56	22.44	22.77		
1.4	64QAM	3	1	22.60	22.48	22.71	22.7	
1.4	64QAM	3	3	22.62	22.42	22.82		
1.4	64QAM	6	0	21.45	21.29	21.60		
1.4	256QAM	1	0	19.65	19.67	19.78	20.7	
1.4	256QAM	1	3	19.73	19.64	19.75		
1.4	256QAM	1	5	19.70	19.63	19.82		
1.4	256QAM	3	0	19.54	19.63	19.72	20.7	
1.4	256QAM	3	1	19.56	19.66	19.69		
1.4	256QAM	3	3	19.62	19.64	19.73		
1.4	256QAM	6	0	19.55	19.58	19.72	20.7	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.51	20.01	19.50	20.9
20	QPSK	1	49	19.50	19.49	19.40	
20	QPSK	1	99	19.40	19.40	19.45	
20	QPSK	50	0	19.51	19.72	19.47	20.9
20	QPSK	50	24	19.50	19.57	19.42	
20	QPSK	50	50	19.43	19.45	19.46	
20	QPSK	100	0	19.50	19.51	19.52	
20	16QAM	1	0	19.59	19.91	19.56	20.9
20	16QAM	1	49	19.74	19.77	19.71	
20	16QAM	1	99	19.76	19.48	19.90	
20	16QAM	50	0	19.44	19.73	19.47	20.9
20	16QAM	50	24	19.49	19.57	19.57	
20	16QAM	50	50	19.48	19.49	19.77	
20	16QAM	100	0	19.50	19.53	19.52	
20	64QAM	1	0	19.55	19.78	19.57	20.9
20	64QAM	1	49	19.68	19.53	19.64	
20	64QAM	1	99	19.59	19.47	19.79	
20	64QAM	50	0	19.45	19.81	19.49	20.9
20	64QAM	50	24	19.62	19.56	19.66	
20	64QAM	50	50	19.52	19.33	19.85	
20	64QAM	100	0	19.48	19.47	19.46	
20	256QAM	1	0	19.15	19.91	19.39	20.7
20	256QAM	1	49	19.51	19.56	19.38	
20	256QAM	1	99	19.49	19.39	19.81	
20	256QAM	50	0	19.33	19.68	19.42	20.7
20	256QAM	50	24	19.34	19.53	19.46	
20	256QAM	50	50	19.37	19.32	19.58	
20	256QAM	100	0	19.41	19.39	19.53	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.43	19.90	19.54	20.9
15	QPSK	1	37	19.53	19.47	19.50	
15	QPSK	1	74	19.52	19.54	19.47	
15	QPSK	36	0	19.42	19.74	19.51	20.9
15	QPSK	36	20	19.52	19.52	19.47	
15	QPSK	36	39	19.55	19.46	19.46	
15	QPSK	75	0	19.41	19.45	19.57	
15	16QAM	1	0	19.57	19.91	19.59	20.9
15	16QAM	1	37	19.67	19.67	19.72	
15	16QAM	1	74	19.72	19.42	19.90	
15	16QAM	36	0	19.49	19.74	19.56	20.9
15	16QAM	36	20	19.44	19.53	19.62	
15	16QAM	36	39	19.49	19.48	19.77	
15	16QAM	75	0	19.51	19.49	19.45	
15	64QAM	1	0	19.48	19.74	19.53	20.9
15	64QAM	1	37	19.61	19.48	19.64	
15	64QAM	1	74	19.59	19.48	19.70	
15	64QAM	36	0	19.38	19.63	19.35	20.9
15	64QAM	36	20	19.57	19.43	19.48	
15	64QAM	36	39	19.40	19.40	19.83	
15	64QAM	75	0	19.44	19.51	19.48	
15	256QAM	1	0	19.11	19.93	19.31	20.7
15	256QAM	1	37	19.37	19.51	19.31	
15	256QAM	1	74	19.34	19.32	19.76	
15	256QAM	36	0	19.24	19.67	19.43	20.7
15	256QAM	36	20	19.42	19.51	19.33	



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15	256QAM	36	39	19.37	19.27	19.53	
15	256QAM	75	0	19.31	19.37	19.53	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.50	19.87	19.50	20.9
10	QPSK	1	25	19.54	19.54	19.51	
10	QPSK	1	49	19.54	19.57	19.54	
10	QPSK	25	0	19.42	19.72	19.44	20.9
10	QPSK	25	12	19.55	19.57	19.51	
10	QPSK	25	25	19.45	19.47	19.42	
10	QPSK	50	0	19.50	19.43	19.49	
10	16QAM	1	0	19.58	19.86	19.47	20.9
10	16QAM	1	25	19.64	19.72	19.66	
10	16QAM	1	49	19.74	19.40	19.91	
10	16QAM	25	0	19.55	19.76	19.47	20.9
10	16QAM	25	12	19.49	19.46	19.51	
10	16QAM	25	25	19.44	19.50	19.75	
10	16QAM	50	0	19.48	19.52	19.52	
10	64QAM	1	0	19.57	19.77	19.48	
10	64QAM	1	25	19.63	19.56	19.62	20.9
10	64QAM	1	49	19.53	19.57	19.85	
10	64QAM	25	0	19.46	19.70	19.45	
10	64QAM	25	12	19.60	19.52	19.59	20.9
10	64QAM	25	25	19.50	19.39	19.82	
10	64QAM	50	0	19.39	19.45	19.46	
10	256QAM	1	0	19.08	19.79	19.37	
10	256QAM	1	25	19.51	19.54	19.25	20.7
10	256QAM	1	49	19.35	19.30	19.78	
10	256QAM	25	0	19.28	19.65	19.44	
10	256QAM	25	12	19.30	19.54	19.31	20.7
10	256QAM	25	25	19.37	19.28	19.62	
10	256QAM	50	0	19.41	19.38	19.47	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	19.42	19.93	19.55	20.9
5	QPSK	1	12	19.54	19.40	19.53	
5	QPSK	1	24	19.53	19.46	19.50	
5	QPSK	12	0	19.45	19.65	19.44	20.9
5	QPSK	12	7	19.53	19.66	19.50	
5	QPSK	12	13	19.42	19.46	19.52	
5	QPSK	25	0	19.51	19.51	19.48	
5	16QAM	1	0	19.51	19.97	19.53	20.9
5	16QAM	1	12	19.73	19.65	19.74	
5	16QAM	1	24	19.62	19.47	19.84	
5	16QAM	12	0	19.54	19.65	19.50	20.9
5	16QAM	12	7	19.52	19.46	19.47	
5	16QAM	12	13	19.45	19.46	19.76	
5	16QAM	25	0	19.44	19.55	19.40	
5	64QAM	1	0	19.53	19.82	19.47	20.9
5	64QAM	1	12	19.62	19.42	19.68	
5	64QAM	1	24	19.60	19.51	19.73	
5	64QAM	12	0	19.37	19.63	19.33	20.9
5	64QAM	12	7	19.60	19.49	19.60	
5	64QAM	12	13	19.55	19.44	19.72	
5	64QAM	25	0	19.40	19.43	19.38	
5	256QAM	1	0	19.09	19.87	19.36	20.7
5	256QAM	1	12	19.44	19.49	19.31	
5	256QAM	1	24	19.47	19.35	19.72	
5	256QAM	12	0	19.25	19.62	19.40	20.7
5	256QAM	12	7	19.37	19.46	19.37	
5	256QAM	12	13	19.38	19.36	19.60	
5	256QAM	25	0	19.35	19.43	19.49	



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	19.49	19.87	19.45	20.9
3	QPSK	1	8	19.49	19.47	19.56	
3	QPSK	1	14	19.48	19.40	19.55	
3	QPSK	8	0	19.55	19.60	19.58	20.9
3	QPSK	8	4	19.51	19.43	19.41	
3	QPSK	8	7	19.46	19.51	19.44	
3	QPSK	15	0	19.53	19.47	19.58	
3	16QAM	1	0	19.48	19.88	19.46	
3	16QAM	1	8	19.70	19.67	19.62	20.9
3	16QAM	1	14	19.66	19.42	19.86	
3	16QAM	8	0	19.56	19.67	19.44	20.9
3	16QAM	8	4	19.50	19.47	19.61	
3	16QAM	8	7	19.51	19.44	19.76	
3	16QAM	15	0	19.49	19.48	19.47	
3	64QAM	1	0	19.54	19.82	19.48	
3	64QAM	1	8	19.62	19.53	19.61	20.9
3	64QAM	1	14	19.52	19.56	19.78	
3	64QAM	8	0	19.49	19.81	19.40	
3	64QAM	8	4	19.58	19.51	19.58	20.9
3	64QAM	8	7	19.47	19.34	19.83	
3	64QAM	15	0	19.42	19.49	19.51	
3	256QAM	1	0	19.14	19.85	19.35	
3	256QAM	1	8	19.42	19.57	19.26	
3	256QAM	1	14	19.40	19.27	19.73	20.7
3	256QAM	8	0	19.21	19.63	19.52	
3	256QAM	8	4	19.31	19.50	19.32	
3	256QAM	8	7	19.32	19.31	19.57	20.7
3	256QAM	15	0	19.37	19.44	19.43	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.50	19.85	19.37	20.9
1.4	QPSK	1	3	19.33	19.46	19.37	
1.4	QPSK	1	5	19.41	19.34	19.46	
1.4	QPSK	3	0	19.38	19.67	19.45	
1.4	QPSK	3	1	19.33	19.53	19.43	
1.4	QPSK	3	3	19.40	19.41	19.40	
1.4	QPSK	6	0	19.40	19.48	19.42	
1.4	16QAM	1	0	19.53	19.90	19.56	20.9
1.4	16QAM	1	3	19.69	19.75	19.61	
1.4	16QAM	1	5	19.68	19.26	19.88	
1.4	16QAM	3	0	19.38	19.56	19.36	
1.4	16QAM	3	1	19.39	19.47	19.53	
1.4	16QAM	3	3	19.40	19.36	19.78	
1.4	16QAM	6	0	19.49	19.40	19.36	
1.4	64QAM	1	0	19.43	19.77	19.50	20.9
1.4	64QAM	1	3	19.71	19.52	19.58	
1.4	64QAM	1	5	19.55	19.34	19.68	
1.4	64QAM	3	0	19.35	19.67	19.38	
1.4	64QAM	3	1	19.61	19.46	19.54	
1.4	64QAM	3	3	19.43	19.41	19.79	
1.4	64QAM	6	0	19.42	19.49	19.52	
1.4	256QAM	1	0	19.09	19.83	19.32	20.7
1.4	256QAM	1	3	19.37	19.56	19.30	
1.4	256QAM	1	5	19.40	19.30	19.77	
1.4	256QAM	3	0	19.20	19.59	19.33	
1.4	256QAM	3	1	19.32	19.51	19.35	
1.4	256QAM	3	3	19.29	19.37	19.63	
1.4	256QAM	6	0	19.26	19.49	19.45	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.25	20.86	20.47	21.7
20	QPSK	1	49	20.39	20.31	20.27	
20	QPSK	1	99	20.42	20.27	20.64	
20	QPSK	50	0	20.34	20.63	20.40	21.7
20	QPSK	50	24	20.37	20.43	20.41	
20	QPSK	50	50	20.32	20.21	20.50	
20	QPSK	100	0	20.38	20.40	20.44	21.7
20	16QAM	1	0	20.55	20.81	20.69	
20	16QAM	1	49	20.62	20.65	20.54	
20	16QAM	1	99	20.60	20.25	20.76	21.7
20	16QAM	50	0	20.30	20.56	20.36	
20	16QAM	50	24	20.43	20.42	20.48	
20	16QAM	50	50	20.41	20.14	20.53	21.7
20	16QAM	100	0	20.36	20.43	20.40	
20	64QAM	1	0	20.33	20.73	20.54	
20	64QAM	1	49	20.53	20.47	20.55	21.7
20	64QAM	1	99	20.46	20.25	20.80	
20	64QAM	50	0	20.40	20.59	20.40	
20	64QAM	50	24	20.47	20.43	20.44	21.7
20	64QAM	50	50	20.41	20.23	20.65	
20	64QAM	100	0	20.40	20.44	20.37	
20	256QAM	1	0	19.23	19.93	19.78	20.7
20	256QAM	1	49	19.39	19.78	19.52	
20	256QAM	1	99	19.56	19.35	19.69	
20	256QAM	50	0	19.36	19.81	19.58	20.7
20	256QAM	50	24	19.42	19.51	19.46	
20	256QAM	50	50	19.45	19.36	19.63	
20	256QAM	100	0	19.53	19.57	19.68	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.27	20.80	20.39	21.7
15	QPSK	1	37	20.33	20.39	20.28	
15	QPSK	1	74	20.31	20.24	20.63	
15	QPSK	36	0	20.27	20.64	20.40	21.7
15	QPSK	36	20	20.40	20.36	20.32	
15	QPSK	36	39	20.24	20.22	20.52	
15	QPSK	75	0	20.28	20.32	20.40	21.7
15	16QAM	1	0	20.46	20.74	20.57	
15	16QAM	1	37	20.54	20.53	20.47	
15	16QAM	1	74	20.55	20.24	20.85	21.7
15	16QAM	36	0	20.19	20.56	20.27	
15	16QAM	36	20	20.33	20.35	20.44	
15	16QAM	36	39	20.31	20.20	20.48	21.7
15	16QAM	75	0	20.29	20.35	20.31	
15	64QAM	1	0	20.31	20.80	20.47	
15	64QAM	1	37	20.52	20.41	20.52	21.7
15	64QAM	1	74	20.31	20.20	20.72	
15	64QAM	36	0	20.40	20.53	20.34	
15	64QAM	36	20	20.36	20.33	20.42	21.7
15	64QAM	36	39	20.36	20.21	20.63	
15	64QAM	75	0	20.38	20.32	20.37	
15	256QAM	1	0	19.16	19.89	19.65	20.7
15	256QAM	1	37	19.48	19.72	19.49	
15	256QAM	1	74	19.52	19.26	19.66	
15	256QAM	36	0	19.41	19.71	19.42	20.7
15	256QAM	36	20	19.39	19.45	19.39	



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15	256QAM	36	39	19.39	19.22	19.49	
15	256QAM	75	0	19.43	19.57	19.57	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.26	20.83	20.49	21.7
10	QPSK	1	25	20.29	20.24	20.33	
10	QPSK	1	49	20.30	20.28	20.64	
10	QPSK	25	0	20.20	20.59	20.36	21.7
10	QPSK	25	12	20.27	20.43	20.40	
10	QPSK	25	25	20.34	20.17	20.49	
10	QPSK	50	0	20.29	20.40	20.38	
10	16QAM	1	0	20.50	20.80	20.70	
10	16QAM	1	25	20.66	20.50	20.53	21.7
10	16QAM	1	49	20.49	20.18	20.80	
10	16QAM	25	0	20.28	20.48	20.33	21.7
10	16QAM	25	12	20.27	20.32	20.39	
10	16QAM	25	25	20.37	20.15	20.48	
10	16QAM	50	0	20.25	20.41	20.41	
10	64QAM	1	0	20.39	20.80	20.62	
10	64QAM	1	25	20.50	20.47	20.47	21.7
10	64QAM	1	49	20.34	20.25	20.78	
10	64QAM	25	0	20.36	20.57	20.36	
10	64QAM	25	12	20.49	20.38	20.45	21.7
10	64QAM	25	25	20.38	20.11	20.59	
10	64QAM	50	0	20.34	20.35	20.28	
10	256QAM	1	0	19.25	19.82	19.75	
10	256QAM	1	25	19.35	19.79	19.50	
10	256QAM	1	49	19.46	19.24	19.66	20.7
10	256QAM	25	0	19.28	19.67	19.52	
10	256QAM	25	12	19.46	19.47	19.45	
10	256QAM	25	25	19.41	19.34	19.55	
10	256QAM	50	0	19.36	19.44	19.52	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.19	20.80	20.40	21.7
5	QPSK	1	12	20.34	20.27	20.22	
5	QPSK	1	24	20.33	20.21	20.67	
5	QPSK	12	0	20.19	20.63	20.39	21.7
5	QPSK	12	7	20.34	20.37	20.37	
5	QPSK	12	13	20.33	20.17	20.52	
5	QPSK	25	0	20.30	20.30	20.43	
5	16QAM	1	0	20.51	20.76	20.63	
5	16QAM	1	12	20.54	20.55	20.50	21.7
5	16QAM	1	24	20.52	20.25	20.83	
5	16QAM	12	0	20.22	20.49	20.36	
5	16QAM	12	7	20.36	20.43	20.40	21.7
5	16QAM	12	13	20.34	20.28	20.52	
5	16QAM	25	0	20.21	20.33	20.30	
5	64QAM	1	0	20.36	20.80	20.61	
5	64QAM	1	12	20.59	20.47	20.52	
5	64QAM	1	24	20.28	20.14	20.79	21.7
5	64QAM	12	0	20.26	20.65	20.34	
5	64QAM	12	7	20.37	20.46	20.50	
5	64QAM	12	13	20.35	20.21	20.60	
5	64QAM	25	0	20.36	20.29	20.35	
5	256QAM	1	0	19.28	19.90	19.71	20.7
5	256QAM	1	12	19.39	19.80	19.45	
5	256QAM	1	24	19.46	19.24	19.68	
5	256QAM	12	0	19.40	19.71	19.44	20.7
5	256QAM	12	7	19.36	19.58	19.46	
5	256QAM	12	13	19.32	19.27	19.56	
5	256QAM	25	0	19.46	19.53	19.58	



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.21	20.78	20.46	21.7
3	QPSK	1	8	20.35	20.33	20.26	
3	QPSK	1	14	20.32	20.26	20.72	
3	QPSK	8	0	20.19	20.50	20.36	21.7
3	QPSK	8	4	20.38	20.41	20.30	
3	QPSK	8	7	20.32	20.22	20.50	
3	QPSK	15	0	20.26	20.33	20.38	
3	16QAM	1	0	20.41	20.78	20.64	21.7
3	16QAM	1	8	20.56	20.61	20.55	
3	16QAM	1	14	20.50	20.14	20.80	
3	16QAM	8	0	20.23	20.52	20.32	21.7
3	16QAM	8	4	20.37	20.27	20.31	
3	16QAM	8	7	20.43	20.23	20.45	
3	16QAM	15	0	20.22	20.34	20.31	
3	64QAM	1	0	20.26	20.82	20.52	21.7
3	64QAM	1	8	20.51	20.51	20.47	
3	64QAM	1	14	20.41	20.15	20.84	
3	64QAM	8	0	20.35	20.66	20.35	21.7
3	64QAM	8	4	20.36	20.37	20.35	
3	64QAM	8	7	20.40	20.14	20.65	
3	64QAM	15	0	20.36	20.28	20.39	
3	256QAM	1	0	19.22	19.88	19.62	20.7
3	256QAM	1	8	19.37	19.71	19.43	
3	256QAM	1	14	19.46	19.28	19.62	
3	256QAM	8	0	19.37	19.71	19.50	20.7
3	256QAM	8	4	19.39	19.56	19.39	
3	256QAM	8	7	19.39	19.38	19.51	
3	256QAM	15	0	19.52	19.45	19.62	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.25	20.80	20.48	21.7
1.4	QPSK	1	3	20.33	20.31	20.24	
1.4	QPSK	1	5	20.34	20.23	20.64	
1.4	QPSK	3	0	20.32	20.50	20.38	
1.4	QPSK	3	1	20.41	20.36	20.34	
1.4	QPSK	3	3	20.32	20.20	20.52	
1.4	QPSK	6	0	20.22	20.38	20.41	21.7
1.4	16QAM	1	0	20.46	20.86	20.61	21.7
1.4	16QAM	1	3	20.54	20.57	20.49	
1.4	16QAM	1	5	20.53	20.25	20.78	
1.4	16QAM	3	0	20.31	20.50	20.24	
1.4	16QAM	3	1	20.38	20.33	20.38	
1.4	16QAM	3	3	20.42	20.16	20.51	
1.4	16QAM	6	0	20.27	20.25	20.32	21.7
1.4	64QAM	1	0	20.23	20.80	20.53	21.7
1.4	64QAM	1	3	20.45	20.49	20.52	
1.4	64QAM	1	5	20.37	20.14	20.82	
1.4	64QAM	3	0	20.32	20.53	20.34	
1.4	64QAM	3	1	20.36	20.48	20.38	
1.4	64QAM	3	3	20.42	20.12	20.54	
1.4	64QAM	6	0	20.33	20.27	20.46	21.7
1.4	256QAM	1	0	19.23	19.90	19.77	20.7
1.4	256QAM	1	3	19.35	19.71	19.48	
1.4	256QAM	1	5	19.42	19.31	19.64	
1.4	256QAM	3	0	19.34	19.71	19.55	
1.4	256QAM	3	1	19.39	19.57	19.48	
1.4	256QAM	3	3	19.46	19.30	19.58	
1.4	256QAM	6	0	19.47	19.43	19.59	20.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.25	20.86	20.47	20.9
20	QPSK	1	49	20.39	20.31	20.27	
20	QPSK	1	99	20.42	20.27	20.64	
20	QPSK	50	0	20.34	20.63	20.40	20.9
20	QPSK	50	24	20.37	20.43	20.41	
20	QPSK	50	50	20.32	20.21	20.50	
20	QPSK	100	0	20.38	20.40	20.44	20.9
20	16QAM	1	0	20.55	20.81	20.69	
20	16QAM	1	49	20.62	20.65	20.54	
20	16QAM	1	99	20.60	20.25	20.76	20.9
20	16QAM	50	0	20.30	20.56	20.36	
20	16QAM	50	24	20.43	20.42	20.48	
20	16QAM	50	50	20.41	20.14	20.53	20.9
20	16QAM	100	0	20.36	20.43	20.40	
20	64QAM	1	0	20.33	20.73	20.54	
20	64QAM	1	49	20.53	20.47	20.55	20.9
20	64QAM	1	99	20.46	20.25	20.80	
20	64QAM	50	0	20.40	20.59	20.40	
20	64QAM	50	24	20.47	20.43	20.44	20.9
20	64QAM	50	50	20.41	20.23	20.65	
20	64QAM	100	0	20.40	20.44	20.37	
20	256QAM	1	0	19.23	19.93	19.78	20.7
20	256QAM	1	49	19.39	19.78	19.52	
20	256QAM	1	99	19.56	19.35	19.69	
20	256QAM	50	0	19.36	19.81	19.58	20.7
20	256QAM	50	24	19.42	19.51	19.46	
20	256QAM	50	50	19.45	19.36	19.63	
20	256QAM	100	0	19.53	19.57	19.68	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.27	20.80	20.39	20.9
15	QPSK	1	37	20.33	20.39	20.28	
15	QPSK	1	74	20.31	20.24	20.63	
15	QPSK	36	0	20.27	20.64	20.40	20.9
15	QPSK	36	20	20.40	20.36	20.32	
15	QPSK	36	39	20.24	20.22	20.52	
15	QPSK	75	0	20.28	20.32	20.40	20.9
15	16QAM	1	0	20.46	20.74	20.57	
15	16QAM	1	37	20.54	20.53	20.47	
15	16QAM	1	74	20.55	20.24	20.85	20.9
15	16QAM	36	0	20.19	20.56	20.27	
15	16QAM	36	20	20.33	20.35	20.44	
15	16QAM	36	39	20.31	20.20	20.48	20.9
15	16QAM	75	0	20.29	20.35	20.31	
15	64QAM	1	0	20.31	20.80	20.47	
15	64QAM	1	37	20.52	20.41	20.52	20.9
15	64QAM	1	74	20.31	20.20	20.72	
15	64QAM	36	0	20.40	20.53	20.34	
15	64QAM	36	20	20.36	20.33	20.42	20.9
15	64QAM	36	39	20.36	20.21	20.63	
15	64QAM	75	0	20.38	20.32	20.37	
15	256QAM	1	0	19.16	19.89	19.65	20.7
15	256QAM	1	37	19.48	19.72	19.49	
15	256QAM	1	74	19.52	19.26	19.66	
15	256QAM	36	0	19.41	19.71	19.42	20.7
15	256QAM	36	20	19.39	19.45	19.39	



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15	256QAM	36	39	19.39	19.22	19.49	
15	256QAM	75	0	19.43	19.57	19.57	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.26	20.83	20.49	20.9
10	QPSK	1	25	20.29	20.24	20.33	
10	QPSK	1	49	20.30	20.28	20.64	
10	QPSK	25	0	20.20	20.59	20.36	20.9
10	QPSK	25	12	20.27	20.43	20.40	
10	QPSK	25	25	20.34	20.17	20.49	
10	QPSK	50	0	20.29	20.40	20.38	
10	16QAM	1	0	20.50	20.80	20.70	
10	16QAM	1	25	20.66	20.50	20.53	20.9
10	16QAM	1	49	20.49	20.18	20.80	
10	16QAM	25	0	20.28	20.48	20.33	20.9
10	16QAM	25	12	20.27	20.32	20.39	
10	16QAM	25	25	20.37	20.15	20.48	
10	16QAM	50	0	20.25	20.41	20.41	
10	64QAM	1	0	20.39	20.80	20.62	
10	64QAM	1	25	20.50	20.47	20.47	20.9
10	64QAM	1	49	20.34	20.25	20.78	
10	64QAM	25	0	20.36	20.57	20.36	
10	64QAM	25	12	20.49	20.38	20.45	20.9
10	64QAM	25	25	20.38	20.11	20.59	
10	64QAM	50	0	20.34	20.35	20.28	
10	256QAM	1	0	19.25	19.82	19.75	
10	256QAM	1	25	19.35	19.79	19.50	
10	256QAM	1	49	19.46	19.24	19.66	20.7
10	256QAM	25	0	19.28	19.67	19.52	
10	256QAM	25	12	19.46	19.47	19.45	
10	256QAM	25	25	19.41	19.34	19.55	
10	256QAM	50	0	19.36	19.44	19.52	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.19	20.80	20.40	20.9
5	QPSK	1	12	20.34	20.27	20.22	
5	QPSK	1	24	20.33	20.21	20.67	
5	QPSK	12	0	20.19	20.63	20.39	20.9
5	QPSK	12	7	20.34	20.37	20.37	
5	QPSK	12	13	20.33	20.17	20.52	
5	QPSK	25	0	20.30	20.30	20.43	
5	16QAM	1	0	20.51	20.76	20.63	
5	16QAM	1	12	20.54	20.55	20.50	20.9
5	16QAM	1	24	20.52	20.25	20.83	
5	16QAM	12	0	20.22	20.49	20.36	
5	16QAM	12	7	20.36	20.43	20.40	20.9
5	16QAM	12	13	20.34	20.28	20.52	
5	16QAM	25	0	20.21	20.33	20.30	
5	64QAM	1	0	20.36	20.80	20.61	
5	64QAM	1	12	20.59	20.47	20.52	
5	64QAM	1	24	20.28	20.14	20.79	20.9
5	64QAM	12	0	20.26	20.65	20.34	
5	64QAM	12	7	20.37	20.46	20.50	
5	64QAM	12	13	20.35	20.21	20.60	
5	64QAM	25	0	20.36	20.29	20.35	
5	256QAM	1	0	19.28	19.90	19.71	20.7
5	256QAM	1	12	19.39	19.80	19.45	
5	256QAM	1	24	19.46	19.24	19.68	
5	256QAM	12	0	19.40	19.71	19.44	20.7
5	256QAM	12	7	19.36	19.58	19.46	
5	256QAM	12	13	19.32	19.27	19.56	
5	256QAM	25	0	19.46	19.53	19.58	



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.21	20.78	20.46	20.9
3	QPSK	1	8	20.35	20.33	20.26	
3	QPSK	1	14	20.32	20.26	20.72	
3	QPSK	8	0	20.19	20.50	20.36	20.9
3	QPSK	8	4	20.38	20.41	20.30	
3	QPSK	8	7	20.32	20.22	20.50	
3	QPSK	15	0	20.26	20.33	20.38	20.9
3	16QAM	1	0	20.41	20.78	20.64	
3	16QAM	1	8	20.56	20.61	20.55	
3	16QAM	1	14	20.50	20.14	20.80	20.9
3	16QAM	8	0	20.23	20.52	20.32	
3	16QAM	8	4	20.37	20.27	20.31	
3	16QAM	8	7	20.43	20.23	20.45	20.9
3	16QAM	15	0	20.22	20.34	20.31	
3	64QAM	1	0	20.26	20.82	20.52	
3	64QAM	1	8	20.51	20.51	20.47	20.9
3	64QAM	1	14	20.41	20.15	20.84	
3	64QAM	8	0	20.35	20.66	20.35	
3	64QAM	8	4	20.36	20.37	20.35	20.9
3	64QAM	8	7	20.40	20.14	20.65	
3	64QAM	15	0	20.36	20.28	20.39	
3	256QAM	1	0	19.22	19.88	19.62	20.7
3	256QAM	1	8	19.37	19.71	19.43	
3	256QAM	1	14	19.46	19.28	19.62	
3	256QAM	8	0	19.37	19.71	19.50	20.7
3	256QAM	8	4	19.39	19.56	19.39	
3	256QAM	8	7	19.39	19.38	19.51	
3	256QAM	15	0	19.52	19.45	19.62	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.25	20.80	20.48	20.9
1.4	QPSK	1	3	20.33	20.31	20.24	
1.4	QPSK	1	5	20.34	20.23	20.64	
1.4	QPSK	3	0	20.32	20.50	20.38	20.9
1.4	QPSK	3	1	20.41	20.36	20.34	
1.4	QPSK	3	3	20.32	20.20	20.52	
1.4	QPSK	6	0	20.22	20.38	20.41	20.9
1.4	16QAM	1	0	20.46	20.86	20.61	20.9
1.4	16QAM	1	3	20.54	20.57	20.49	
1.4	16QAM	1	5	20.53	20.25	20.78	
1.4	16QAM	3	0	20.31	20.50	20.24	20.9
1.4	16QAM	3	1	20.38	20.33	20.38	
1.4	16QAM	3	3	20.42	20.16	20.51	
1.4	16QAM	6	0	20.27	20.25	20.32	20.9
1.4	64QAM	1	0	20.23	20.80	20.53	20.9
1.4	64QAM	1	3	20.45	20.49	20.52	
1.4	64QAM	1	5	20.37	20.14	20.82	
1.4	64QAM	3	0	20.32	20.53	20.34	20.9
1.4	64QAM	3	1	20.36	20.48	20.38	
1.4	64QAM	3	3	20.42	20.12	20.54	
1.4	64QAM	6	0	20.33	20.27	20.46	20.9
1.4	256QAM	1	0	19.23	19.90	19.77	20.7
1.4	256QAM	1	3	19.35	19.71	19.48	
1.4	256QAM	1	5	19.42	19.31	19.64	
1.4	256QAM	3	0	19.34	19.71	19.55	20.7
1.4	256QAM	3	1	19.39	19.57	19.48	
1.4	256QAM	3	3	19.46	19.30	19.58	
1.4	256QAM	6	0	19.47	19.43	19.59	20.7



<LTE Band 2_Ant 5_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	16.62	16.64	16.36	17.7
20	QPSK	1	49	16.46	16.45	16.35	
20	QPSK	1	99	16.39	16.46	16.33	
20	QPSK	50	0	16.63	16.65	16.43	17.7
20	QPSK	50	24	16.58	16.60	16.40	
20	QPSK	50	50	16.49	16.55	16.42	
20	QPSK	100	0	16.52	16.58	16.39	17.7
20	16QAM	1	0	16.65	16.66	16.64	
20	16QAM	1	49	16.30	16.37	16.34	
20	16QAM	1	99	16.36	16.41	16.38	17.7
20	16QAM	50	0	16.62	16.67	16.64	
20	16QAM	50	24	16.55	16.62	16.56	
20	16QAM	50	50	16.57	16.57	16.57	17.7
20	16QAM	100	0	16.56	16.54	16.46	
20	64QAM	1	0	16.52	16.59	16.59	
20	64QAM	1	49	16.32	16.37	16.30	17.7
20	64QAM	1	99	16.36	16.43	16.36	
20	64QAM	50	0	16.57	16.57	16.52	
20	64QAM	50	24	16.53	16.61	16.54	17.7
20	64QAM	50	50	16.47	16.52	16.53	
20	64QAM	100	0	16.50	16.53	16.46	
20	256QAM	1	0	16.55	16.63	16.58	17.7
20	256QAM	1	49	16.37	16.38	16.31	
20	256QAM	1	99	16.43	16.42	16.38	
20	256QAM	50	0	16.60	16.60	16.57	17.7
20	256QAM	50	24	16.47	16.55	16.52	
20	256QAM	50	50	16.57	16.56	16.49	
20	256QAM	100	0	16.51	16.57	16.57	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.63	16.59	16.39	17.7
15	QPSK	1	37	16.39	16.37	16.38	
15	QPSK	1	74	16.37	16.45	16.31	
15	QPSK	36	0	16.56	16.56	16.41	17.7
15	QPSK	36	20	16.60	16.51	16.41	
15	QPSK	36	39	16.49	16.54	16.37	
15	QPSK	75	0	16.47	16.58	16.43	17.7
15	16QAM	1	0	16.61	16.66	16.62	
15	16QAM	1	37	16.46	16.37	16.39	
15	16QAM	1	74	16.37	16.34	16.36	17.7
15	16QAM	36	0	16.56	16.63	16.66	
15	16QAM	36	20	16.48	16.54	16.57	
15	16QAM	36	39	16.51	16.50	16.54	17.7
15	16QAM	75	0	16.49	16.49	16.45	
15	64QAM	1	0	16.49	16.58	16.64	
15	64QAM	1	37	16.46	16.35	16.30	17.7
15	64QAM	1	74	16.35	16.36	16.31	
15	64QAM	36	0	16.58	16.48	16.52	
15	64QAM	36	20	16.50	16.56	16.50	17.7
15	64QAM	36	39	16.47	16.48	16.56	
15	64QAM	75	0	16.53	16.46	16.45	
15	256QAM	1	0	16.57	16.63	16.55	17.7
15	256QAM	1	37	16.39	16.33	16.30	
15	256QAM	1	74	16.36	16.41	16.34	
15	256QAM	36	0	16.61	16.56	16.61	17.7
15	256QAM	36	20	16.43	16.54	16.57	



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15	256QAM	36	39	16.59	16.52	16.53	
15	256QAM	75	0	16.53	16.47	16.56	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	16.55	16.61	16.38	17.7
10	QPSK	1	25	16.44	16.39	16.39	
10	QPSK	1	49	16.38	16.37	16.35	
10	QPSK	25	0	16.64	16.61	16.48	17.7
10	QPSK	25	12	16.51	16.54	16.39	
10	QPSK	25	25	16.48	16.51	16.47	
10	QPSK	50	0	16.48	16.58	16.42	
10	16QAM	1	0	16.63	16.65	16.60	17.7
10	16QAM	1	25	16.43	16.35	16.41	
10	16QAM	1	49	16.30	16.37	16.37	
10	16QAM	25	0	16.60	16.63	16.61	17.7
10	16QAM	25	12	16.55	16.62	16.56	
10	16QAM	25	25	16.56	16.50	16.57	
10	16QAM	50	0	16.53	16.46	16.41	
10	64QAM	1	0	16.49	16.52	16.58	17.7
10	64QAM	1	25	16.38	16.42	16.33	
10	64QAM	1	49	16.33	16.42	16.34	
10	64QAM	25	0	16.50	16.53	16.56	17.7
10	64QAM	25	12	16.56	16.53	16.56	
10	64QAM	25	25	16.49	16.44	16.56	
10	64QAM	50	0	16.50	16.50	16.47	
10	256QAM	1	0	16.57	16.60	16.58	17.7
10	256QAM	1	25	16.32	16.32	16.34	
10	256QAM	1	49	16.41	16.38	16.42	
10	256QAM	25	0	16.55	16.51	16.62	17.7
10	256QAM	25	12	16.47	16.51	16.56	
10	256QAM	25	25	16.53	16.48	16.52	
10	256QAM	50	0	16.46	16.57	16.56	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	16.63	16.55	16.38	17.7
5	QPSK	1	12	16.42	16.40	16.34	
5	QPSK	1	24	16.41	16.43	16.32	
5	QPSK	12	0	16.66	16.58	16.44	17.7
5	QPSK	12	7	16.52	16.59	16.42	
5	QPSK	12	13	16.44	16.52	16.45	
5	QPSK	25	0	16.49	16.53	16.40	
5	16QAM	1	0	16.67	16.66	16.63	17.7
5	16QAM	1	12	16.44	16.35	16.35	
5	16QAM	1	24	16.39	16.32	16.40	
5	16QAM	12	0	16.61	16.63	16.60	17.7
5	16QAM	12	7	16.56	16.61	16.59	
5	16QAM	12	13	16.51	16.50	16.60	
5	16QAM	25	0	16.51	16.52	16.50	
5	64QAM	1	0	16.49	16.52	16.62	17.7
5	64QAM	1	12	16.46	16.38	16.35	
5	64QAM	1	24	16.30	16.34	16.35	
5	64QAM	12	0	16.50	16.48	16.53	17.7
5	64QAM	12	7	16.53	16.54	16.50	
5	64QAM	12	13	16.47	16.46	16.53	
5	64QAM	25	0	16.45	16.47	16.51	
5	256QAM	1	0	16.57	16.57	16.55	17.7
5	256QAM	1	12	16.35	16.37	16.36	
5	256QAM	1	24	16.37	16.42	16.37	
5	256QAM	12	0	16.60	16.53	16.57	17.7
5	256QAM	12	7	16.41	16.53	16.47	
5	256QAM	12	13	16.53	16.51	16.47	
5	256QAM	25	0	16.52	16.47	16.54	



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	16.55	16.61	16.30	17.7
3	QPSK	1	8	16.42	16.40	16.31	
3	QPSK	1	14	16.41	16.43	16.32	
3	QPSK	8	0	16.59	16.61	16.44	17.7
3	QPSK	8	4	16.52	16.54	16.41	
3	QPSK	8	7	16.51	16.53	16.47	
3	QPSK	15	0	16.54	16.57	16.37	
3	16QAM	1	0	16.64	16.65	16.63	17.7
3	16QAM	1	8	16.43	16.31	16.45	
3	16QAM	1	14	16.35	16.34	16.40	
3	16QAM	8	0	16.60	16.58	16.65	17.7
3	16QAM	8	4	16.51	16.62	16.60	
3	16QAM	8	7	16.53	16.48	16.57	
3	16QAM	15	0	16.50	16.51	16.48	
3	64QAM	1	0	16.51	16.59	16.54	17.7
3	64QAM	1	8	16.42	16.42	16.33	
3	64QAM	1	14	16.35	16.35	16.35	
3	64QAM	8	0	16.60	16.57	16.50	17.7
3	64QAM	8	4	16.49	16.55	16.53	
3	64QAM	8	7	16.49	16.52	16.58	
3	64QAM	15	0	16.52	16.49	16.48	
3	256QAM	1	0	16.56	16.58	16.58	17.7
3	256QAM	1	8	16.37	16.37	16.33	
3	256QAM	1	14	16.45	16.41	16.34	
3	256QAM	8	0	16.56	16.54	16.56	17.7
3	256QAM	8	4	16.48	16.52	16.47	
3	256QAM	8	7	16.50	16.53	16.52	
3	256QAM	15	0	16.54	16.55	16.59	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.57	16.61	16.35	17.7
1.4	QPSK	1	3	16.47	16.43	16.32	
1.4	QPSK	1	5	16.35	16.37	16.30	
1.4	QPSK	3	0	16.56	16.59	16.38	
1.4	QPSK	3	1	16.55	16.54	16.40	
1.4	QPSK	3	3	16.47	16.45	16.46	
1.4	QPSK	6	0	16.50	16.58	16.35	17.7
1.4	16QAM	1	0	16.65	16.61	16.63	17.7
1.4	16QAM	1	3	16.47	16.40	16.37	
1.4	16QAM	1	5	16.30	16.39	16.36	
1.4	16QAM	3	0	16.63	16.61	16.64	
1.4	16QAM	3	1	16.58	16.54	16.59	
1.4	16QAM	3	3	16.57	16.56	16.60	
1.4	16QAM	6	0	16.58	16.49	16.41	17.7
1.4	64QAM	1	0	16.46	16.53	16.61	17.7
1.4	64QAM	1	3	16.46	16.43	16.35	
1.4	64QAM	1	5	16.35	16.34	16.37	
1.4	64QAM	3	0	16.58	16.52	16.48	
1.4	64QAM	3	1	16.53	16.56	16.58	
1.4	64QAM	3	3	16.49	16.43	16.54	
1.4	64QAM	6	0	16.49	16.46	16.45	17.7
1.4	256QAM	1	0	16.57	16.61	16.58	17.7
1.4	256QAM	1	3	16.35	16.37	16.33	
1.4	256QAM	1	5	16.46	16.33	16.36	
1.4	256QAM	3	0	16.59	16.59	16.62	
1.4	256QAM	3	1	16.45	16.53	16.51	
1.4	256QAM	3	3	16.56	16.51	16.53	
1.4	256QAM	6	0	16.49	16.49	16.57	17.7



<LTE Band 2_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	13.03	13.14	12.85	13.5
20	QPSK	1	49	12.95	12.90	12.84	
20	QPSK	1	99	12.84	12.89	12.77	
20	QPSK	50	0	13.11	13.12	12.88	13.5
20	QPSK	50	24	12.98	13.09	12.88	
20	QPSK	50	50	12.97	12.99	12.86	
20	QPSK	100	0	12.97	13.08	12.87	
20	16QAM	1	0	13.15	13.07	13.07	13.5
20	16QAM	1	49	12.79	12.79	12.78	
20	16QAM	1	99	12.85	12.88	12.80	
20	16QAM	50	0	13.09	13.17	13.14	13.5
20	16QAM	50	24	13.04	13.09	12.99	
20	16QAM	50	50	13.02	13.02	12.99	
20	16QAM	100	0	13.06	12.99	12.93	
20	64QAM	1	0	12.99	13.09	13.06	13.5
20	64QAM	1	49	12.74	12.81	12.77	
20	64QAM	1	99	12.82	12.83	12.76	
20	64QAM	50	0	13.02	12.97	13.00	13.5
20	64QAM	50	24	12.96	13.04	12.96	
20	64QAM	50	50	12.89	13.02	13.00	
20	64QAM	100	0	12.97	13.03	12.88	
20	256QAM	1	0	12.96	13.07	13.05	13.5
20	256QAM	1	49	12.83	12.81	12.74	
20	256QAM	1	99	12.90	12.87	12.78	
20	256QAM	50	0	13.00	13.06	13.06	13.5
20	256QAM	50	24	12.97	13.02	12.94	
20	256QAM	50	50	12.98	12.99	12.96	
20	256QAM	100	0	13.01	13.06	13.01	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	13.04	13.03	12.85	13.5
15	QPSK	1	37	12.83	12.77	12.86	
15	QPSK	1	74	12.81	12.87	12.78	
15	QPSK	36	0	13.05	12.96	12.83	13.5
15	QPSK	36	20	13.01	12.96	12.88	
15	QPSK	36	39	12.98	12.95	12.82	
15	QPSK	75	0	12.89	12.99	12.93	
15	16QAM	1	0	13.08	13.07	13.06	13.5
15	16QAM	1	37	12.91	12.86	12.81	
15	16QAM	1	74	12.84	12.81	12.77	
15	16QAM	36	0	13.05	13.07	13.10	13.5
15	16QAM	36	20	12.88	13.00	13.06	
15	16QAM	36	39	12.95	12.98	12.97	
15	16QAM	75	0	12.90	12.97	12.86	
15	64QAM	1	0	12.95	13.07	13.04	13.5
15	64QAM	1	37	12.89	12.75	12.80	
15	64QAM	1	74	12.75	12.85	12.71	
15	64QAM	36	0	13.03	12.89	13.00	13.5
15	64QAM	36	20	12.94	12.96	12.98	
15	64QAM	36	39	12.93	12.98	13.03	
15	64QAM	75	0	13.01	12.91	12.88	
15	256QAM	1	0	13.05	13.05	13.03	13.5
15	256QAM	1	37	12.88	12.82	12.74	
15	256QAM	1	74	12.78	12.89	12.81	
15	256QAM	36	0	13.08	13.05	13.04	13.5
15	256QAM	36	20	12.83	13.01	13.03	



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15	256QAM	36	39	12.99	13.00	12.94	
15	256QAM	75	0	13.01	12.93	12.97	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	13.03	13.04	12.87	13.5
10	QPSK	1	25	12.88	12.85	12.84	
10	QPSK	1	49	12.82	12.83	12.78	
10	QPSK	25	0	13.04	13.08	12.95	13.5
10	QPSK	25	12	12.92	12.95	12.79	
10	QPSK	25	25	12.91	12.95	12.90	
10	QPSK	50	0	12.97	13.06	12.92	
10	16QAM	1	0	13.06	13.13	13.01	13.5
10	16QAM	1	25	12.85	12.79	12.83	
10	16QAM	1	49	12.80	12.77	12.87	
10	16QAM	25	0	13.08	13.06	13.09	13.5
10	16QAM	25	12	13.00	13.05	12.99	
10	16QAM	25	25	13.05	12.94	13.04	
10	16QAM	50	0	13.01	12.90	12.82	
10	64QAM	1	0	12.95	12.98	13.04	13.5
10	64QAM	1	25	12.87	12.90	12.78	
10	64QAM	1	49	12.76	12.85	12.82	
10	64QAM	25	0	12.91	12.95	13.01	13.5
10	64QAM	25	12	13.04	12.93	13.03	
10	64QAM	25	25	12.90	12.84	13.03	
10	64QAM	50	0	12.98	12.98	12.89	
10	256QAM	1	0	13.03	13.09	12.99	13.5
10	256QAM	1	25	12.72	12.76	12.84	
10	256QAM	1	49	12.81	12.80	12.90	
10	256QAM	25	0	13.04	12.91	13.05	13.5
10	256QAM	25	12	12.95	12.97	13.00	
10	256QAM	25	25	13.02	12.96	12.99	
10	256QAM	50	0	12.90	13.06	13.00	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	13.04	12.98	12.87	13.5
5	QPSK	1	12	12.87	12.87	12.81	
5	QPSK	1	24	12.82	12.92	12.82	
5	QPSK	12	0	13.11	12.98	12.91	13.5
5	QPSK	12	7	13.01	13.03	12.92	
5	QPSK	12	13	12.89	12.99	12.86	
5	QPSK	25	0	12.99	12.98	12.80	
5	16QAM	1	0	13.11	13.06	13.06	13.5
5	16QAM	1	12	12.92	12.78	12.81	
5	16QAM	1	24	12.88	12.79	12.86	
5	16QAM	12	0	13.03	13.06	13.04	13.5
5	16QAM	12	7	13.04	13.01	13.09	
5	16QAM	12	13	12.93	12.92	13.03	
5	16QAM	25	0	12.99	12.97	12.93	
5	64QAM	1	0	12.89	13.01	13.10	13.5
5	64QAM	1	12	12.93	12.87	12.85	
5	64QAM	1	24	12.78	12.75	12.80	
5	64QAM	12	0	12.90	12.94	12.99	13.5
5	64QAM	12	7	12.97	12.97	12.90	
5	64QAM	12	13	12.87	12.89	12.98	
5	64QAM	25	0	12.94	12.92	12.92	
5	256QAM	1	0	12.99	13.07	12.96	13.5
5	256QAM	1	12	12.85	12.82	12.76	
5	256QAM	1	24	12.83	12.92	12.86	
5	256QAM	12	0	13.09	12.99	12.99	13.5
5	256QAM	12	7	12.86	12.96	12.94	
5	256QAM	12	13	12.98	12.99	12.88	
5	256QAM	25	0	13.00	12.87	12.94	



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	13.04	13.04	12.79	13.5
3	QPSK	1	8	12.90	12.86	12.73	
3	QPSK	1	14	12.87	12.86	12.79	
3	QPSK	8	0	12.99	13.02	12.87	13.5
3	QPSK	8	4	12.95	13.04	12.88	
3	QPSK	8	7	12.97	13.02	12.92	
3	QPSK	15	0	13.03	13.02	12.87	
3	16QAM	1	0	13.07	13.12	13.05	13.5
3	16QAM	1	8	12.87	12.71	12.91	
3	16QAM	1	14	12.85	12.84	12.89	
3	16QAM	8	0	13.08	12.98	13.08	13.5
3	16QAM	8	4	12.97	13.12	13.06	
3	16QAM	8	7	12.98	12.90	13.02	
3	16QAM	15	0	12.97	12.93	12.93	
3	64QAM	1	0	12.98	13.07	12.99	13.5
3	64QAM	1	8	12.90	12.88	12.79	
3	64QAM	1	14	12.80	12.76	12.77	
3	64QAM	8	0	13.08	13.03	12.94	13.5
3	64QAM	8	4	12.89	12.97	13.03	
3	64QAM	8	7	12.98	12.94	13.03	
3	64QAM	15	0	13.00	12.93	12.97	
3	256QAM	1	0	13.01	12.98	12.99	13.5
3	256QAM	1	8	12.77	12.85	12.83	
3	256QAM	1	14	12.88	12.82	12.78	
3	256QAM	8	0	12.99	12.95	13.05	13.5
3	256QAM	8	4	12.94	12.94	12.87	
3	256QAM	8	7	12.93	13.01	12.92	
3	256QAM	15	0	13.00	13.05	13.01	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	13.00	13.01	12.80	13.5
1.4	QPSK	1	3	12.94	12.91	12.78	
1.4	QPSK	1	5	12.81	12.79	12.70	
1.4	QPSK	3	0	13.00	13.07	12.83	
1.4	QPSK	3	1	13.02	12.99	12.87	
1.4	QPSK	3	3	12.95	12.90	12.96	
1.4	QPSK	6	0	12.92	13.08	12.81	13.5
1.4	16QAM	1	0	13.05	13.07	13.08	13.5
1.4	16QAM	1	3	12.88	12.82	12.80	
1.4	16QAM	1	5	12.72	12.81	12.77	
1.4	16QAM	3	0	13.10	13.03	13.12	
1.4	16QAM	3	1	13.01	12.95	13.03	
1.4	16QAM	3	3	13.04	12.97	13.09	
1.4	16QAM	6	0	13.05	12.89	12.86	13.5
1.4	64QAM	1	0	12.94	12.94	13.01	13.5
1.4	64QAM	1	3	12.92	12.87	12.75	
1.4	64QAM	1	5	12.84	12.75	12.78	
1.4	64QAM	3	0	13.08	13.01	12.97	
1.4	64QAM	3	1	13.01	12.97	13.05	
1.4	64QAM	3	3	12.98	12.88	13.02	
1.4	64QAM	6	0	12.95	12.91	12.90	13.5
1.4	256QAM	1	0	13.02	13.10	13.07	13.5
1.4	256QAM	1	3	12.80	12.77	12.79	
1.4	256QAM	1	5	12.94	12.76	12.85	
1.4	256QAM	3	0	13.06	13.01	13.10	
1.4	256QAM	3	1	12.90	12.99	12.93	
1.4	256QAM	3	3	13.04	12.97	13.00	
1.4	256QAM	6	0	12.92	12.93	13.02	13.5



<LTE Band 2_Ant 5_Index 4>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)			
Channel	18700	18900	19100				
Frequency (MHz)	1860	1880	1900				
20	QPSK	1	0	20.93	20.97	20.67	21.5
20	QPSK	1	49	20.87	20.90	20.65	
20	QPSK	1	99	20.72	20.82	20.61	
20	QPSK	50	0	20.87	20.93	20.73	21.5
20	QPSK	50	24	20.81	20.84	20.64	
20	QPSK	50	50	20.71	20.78	20.63	
20	QPSK	100	0	20.76	20.85	20.62	21.5
20	16QAM	1	0	20.93	20.96	20.70	
20	16QAM	1	49	20.86	20.88	20.67	
20	16QAM	1	99	20.82	20.82	20.60	21.5
20	16QAM	50	0	20.83	20.93	20.65	
20	16QAM	50	24	20.74	20.83	20.60	
20	16QAM	50	50	20.72	20.79	20.63	21.5
20	16QAM	100	0	20.80	20.86	20.65	
20	64QAM	1	0	20.86	20.90	20.61	
20	64QAM	1	49	20.87	20.88	20.61	21.5
20	64QAM	1	99	20.83	20.83	20.60	
20	64QAM	50	0	20.80	20.87	20.60	
20	64QAM	50	24	20.76	20.78	20.49	21.5
20	64QAM	50	50	20.69	20.75	20.54	
20	64QAM	100	0	20.77	20.80	20.52	
20	256QAM	1	0	19.16	19.24	18.99	20.2
20	256QAM	1	49	19.09	19.14	18.89	
20	256QAM	1	99	19.04	19.08	18.84	
20	256QAM	50	0	18.94	18.98	18.76	20.2
20	256QAM	50	24	18.82	18.91	18.70	
20	256QAM	50	50	18.93	18.93	18.72	
20	256QAM	100	0	18.87	18.94	18.74	
Channel	18675	18900	19125	Tune-up limit (dBm)			
Frequency (MHz)	1857.5	1880	1902.5				
15	QPSK	1	0	20.88	20.88	20.68	21.5
15	QPSK	1	37	20.83	20.85	20.72	
15	QPSK	1	74	20.71	20.82	20.69	
15	QPSK	36	0	20.80	20.84	20.74	21.5
15	QPSK	36	20	20.75	20.75	20.74	
15	QPSK	36	39	20.69	20.74	20.66	
15	QPSK	75	0	20.74	20.83	20.64	21.5
15	16QAM	1	0	20.91	20.90	20.77	
15	16QAM	1	37	20.82	20.83	20.70	
15	16QAM	1	74	20.77	20.77	20.65	21.5
15	16QAM	36	0	20.77	20.93	20.67	
15	16QAM	36	20	20.74	20.80	20.66	
15	16QAM	36	39	20.67	20.73	20.63	21.5
15	16QAM	75	0	20.70	20.86	20.65	
15	64QAM	1	0	20.81	20.87	20.68	
15	64QAM	1	37	20.83	20.86	20.67	21.5
15	64QAM	1	74	20.79	20.75	20.69	
15	64QAM	36	0	20.78	20.80	20.64	
15	64QAM	36	20	20.71	20.69	20.55	21.5
15	64QAM	36	39	20.66	20.67	20.54	
15	64QAM	75	0	20.74	20.72	20.57	
15	256QAM	1	0	19.09	19.15	18.96	20.2
15	256QAM	1	37	19.00	19.04	18.80	
15	256QAM	1	74	19.00	18.98	18.77	
15	256QAM	36	0	18.84	18.96	18.68	20.2
15	256QAM	36	20	18.75	18.88	18.62	



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15	256QAM	36	39	18.84	18.88	18.67	
15	256QAM	75	0	18.85	18.89	18.68	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.83	20.94	20.72	21.5
10	QPSK	1	25	20.85	20.84	20.70	
10	QPSK	1	49	20.63	20.72	20.66	
10	QPSK	25	0	20.80	20.90	20.80	21.5
10	QPSK	25	12	20.77	20.80	20.69	
10	QPSK	25	25	20.62	20.75	20.67	
10	QPSK	50	0	20.67	20.77	20.63	
10	16QAM	1	0	20.92	20.87	20.79	21.5
10	16QAM	1	25	20.80	20.81	20.72	
10	16QAM	1	49	20.74	20.74	20.63	
10	16QAM	25	0	20.81	20.87	20.66	21.5
10	16QAM	25	12	20.74	20.77	20.63	
10	16QAM	25	25	20.70	20.76	20.71	
10	16QAM	50	0	20.70	20.85	20.69	
10	64QAM	1	0	20.82	20.82	20.68	
10	64QAM	1	25	20.82	20.86	20.63	21.5
10	64QAM	1	49	20.75	20.79	20.65	
10	64QAM	25	0	20.73	20.83	20.63	
10	64QAM	25	12	20.67	20.77	20.55	21.5
10	64QAM	25	25	20.64	20.68	20.61	
10	64QAM	50	0	20.67	20.76	20.53	
10	256QAM	1	0	19.15	19.22	18.94	
10	256QAM	1	25	19.00	19.08	18.86	20.2
10	256QAM	1	49	19.02	19.06	18.84	
10	256QAM	25	0	18.91	18.93	18.73	
10	256QAM	25	12	18.73	18.90	18.61	20.2
10	256QAM	25	25	18.89	18.88	18.69	
10	256QAM	50	0	18.81	18.84	18.65	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.90	20.96	20.76	21.5
5	QPSK	1	12	20.78	20.89	20.65	
5	QPSK	1	24	20.70	20.82	20.62	
5	QPSK	12	0	20.78	20.88	20.77	21.5
5	QPSK	12	7	20.71	20.78	20.71	
5	QPSK	12	13	20.63	20.77	20.63	
5	QPSK	25	0	20.66	20.81	20.67	
5	16QAM	1	0	20.88	20.96	20.73	21.5
5	16QAM	1	12	20.84	20.83	20.76	
5	16QAM	1	24	20.78	20.74	20.68	
5	16QAM	12	0	20.81	20.92	20.73	21.5
5	16QAM	12	7	20.68	20.79	20.68	
5	16QAM	12	13	20.62	20.78	20.71	
5	16QAM	25	0	20.70	20.82	20.68	
5	64QAM	1	0	20.77	20.90	20.68	21.5
5	64QAM	1	12	20.85	20.81	20.65	
5	64QAM	1	24	20.78	20.76	20.68	
5	64QAM	12	0	20.75	20.85	20.64	21.5
5	64QAM	12	7	20.72	20.68	20.53	
5	64QAM	12	13	20.60	20.74	20.64	
5	64QAM	25	0	20.72	20.70	20.62	
5	256QAM	1	0	19.10	19.17	18.99	20.2
5	256QAM	1	12	19.06	19.06	18.84	
5	256QAM	1	24	19.04	19.02	18.74	
5	256QAM	12	0	18.91	18.93	18.71	20.2
5	256QAM	12	7	18.81	18.87	18.69	
5	256QAM	12	13	18.91	18.89	18.67	
5	256QAM	25	0	18.77	18.88	18.71	



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Channel				18615	18900	19185	Tune-up limit (dBm)	
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.91	20.90	20.67	21.5	
3	QPSK	1	8	20.87	20.81	20.66		
3	QPSK	1	14	20.72	20.78	20.67		
3	QPSK	8	0	20.82	20.89	20.78	21.5	
3	QPSK	8	4	20.71	20.75	20.73		
3	QPSK	8	7	20.63	20.72	20.69		
3	QPSK	15	0	20.75	20.84	20.67	21.5	
3	16QAM	1	0	20.84	20.87	20.78		
3	16QAM	1	8	20.83	20.88	20.74		
3	16QAM	1	14	20.80	20.80	20.70	21.5	
3	16QAM	8	0	20.74	20.86	20.72		
3	16QAM	8	4	20.65	20.77	20.64		
3	16QAM	8	7	20.66	20.71	20.73	21.5	
3	16QAM	15	0	20.73	20.85	20.69		
3	64QAM	1	0	20.79	20.84	20.66		
3	64QAM	1	8	20.82	20.78	20.61	21.5	
3	64QAM	1	14	20.77	20.82	20.65		
3	64QAM	8	0	20.77	20.79	20.63		
3	64QAM	8	4	20.74	20.68	20.52	21.5	
3	64QAM	8	7	20.63	20.65	20.64		
3	64QAM	15	0	20.71	20.72	20.61		
3	256QAM	1	0	19.12	19.15	18.91	20.2	
3	256QAM	1	8	19.08	19.12	18.81		
3	256QAM	1	14	18.98	19.06	18.75		
3	256QAM	8	0	18.84	18.96	18.75	20.2	
3	256QAM	8	4	18.80	18.82	18.65		
3	256QAM	8	7	18.87	18.87	18.70		
3	256QAM	15	0	18.81	18.86	18.65	20.2	
Channel				18607	18900	19193		Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.88	20.89	20.68	21.5	
1.4	QPSK	1	3	20.81	20.80	20.73		
1.4	QPSK	1	5	20.62	20.81	20.61		
1.4	QPSK	3	0	20.85	20.92	20.76	21.5	
1.4	QPSK	3	1	20.80	20.83	20.67		
1.4	QPSK	3	3	20.63	20.76	20.64		
1.4	QPSK	6	0	20.69	20.75	20.65	21.5	
1.4	16QAM	1	0	20.91	20.88	20.73		
1.4	16QAM	1	3	20.80	20.84	20.70		
1.4	16QAM	1	5	20.78	20.76	20.66	21.5	
1.4	16QAM	3	0	20.76	20.93	20.68		
1.4	16QAM	3	1	20.66	20.77	20.65		
1.4	16QAM	3	3	20.63	20.73	20.68	21.5	
1.4	16QAM	6	0	20.75	20.76	20.71		
1.4	64QAM	1	0	20.84	20.84	20.69		
1.4	64QAM	1	3	20.85	20.82	20.70	21.5	
1.4	64QAM	1	5	20.77	20.79	20.64		
1.4	64QAM	3	0	20.75	20.86	20.66		
1.4	64QAM	3	1	20.67	20.75	20.66	21.5	
1.4	64QAM	3	3	20.66	20.70	20.62		
1.4	64QAM	6	0	20.72	20.78	20.53		
1.4	256QAM	1	0	19.12	19.21	18.90	20.2	
1.4	256QAM	1	3	19.09	19.11	18.83		
1.4	256QAM	1	5	18.94	19.00	18.80		
1.4	256QAM	3	0	18.85	18.89	18.76	20.2	
1.4	256QAM	3	1	18.73	18.83	18.60		
1.4	256QAM	3	3	18.91	18.83	18.65		
1.4	256QAM	6	0	18.84	18.85	18.72	20.2	



<LTE Band 2_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.37	23.48	23.32	25.2
20	QPSK	1	49	23.32	23.35	23.31	
20	QPSK	1	99	23.20	23.33	23.31	
20	QPSK	50	0	22.95	23.00	22.99	24.2
20	QPSK	50	24	22.90	22.99	22.98	
20	QPSK	50	50	22.82	22.98	22.92	
20	QPSK	100	0	22.89	23.01	22.99	
20	16QAM	1	0	23.37	23.27	23.13	24.2
20	16QAM	1	49	23.18	23.33	23.02	
20	16QAM	1	99	22.80	23.27	22.81	
20	16QAM	50	0	22.12	22.09	21.95	23.2
20	16QAM	50	24	21.95	22.12	22.02	
20	16QAM	50	50	21.86	22.08	21.97	
20	16QAM	100	0	21.93	22.08	21.89	
20	64QAM	1	0	22.33	22.06	22.06	23.2
20	64QAM	1	49	22.10	22.15	21.99	
20	64QAM	1	99	21.77	22.22	21.83	
20	64QAM	50	0	21.03	21.09	20.95	22.2
20	64QAM	50	24	20.88	21.07	20.92	
20	64QAM	50	50	20.83	20.96	20.87	
20	64QAM	100	0	20.92	21.00	20.87	
20	256QAM	1	0	19.26	19.19	19.03	20.2
20	256QAM	1	49	19.08	19.13	18.99	
20	256QAM	1	99	18.84	19.10	18.93	
20	256QAM	50	0	19.02	18.95	18.87	20.2
20	256QAM	50	24	18.86	18.90	18.94	
20	256QAM	50	50	18.83	18.91	18.85	
20	256QAM	100	0	18.90	18.98	18.90	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.32	23.42	23.27	25.2
15	QPSK	1	37	23.30	23.29	23.30	
15	QPSK	1	74	23.20	23.27	23.28	
15	QPSK	36	0	22.94	22.90	23.02	24.2
15	QPSK	36	20	22.89	22.89	23.02	
15	QPSK	36	39	22.78	22.96	22.92	
15	QPSK	75	0	22.83	22.94	23.03	
15	16QAM	1	0	23.31	23.20	23.13	24.2
15	16QAM	1	37	23.10	23.29	23.06	
15	16QAM	1	74	22.77	23.19	22.79	
15	16QAM	36	0	22.11	21.99	21.97	23.2
15	16QAM	36	20	21.87	22.10	21.97	
15	16QAM	36	39	21.78	22.05	21.94	
15	16QAM	75	0	21.86	22.07	21.85	
15	64QAM	1	0	22.27	21.98	22.11	23.2
15	64QAM	1	37	22.10	22.09	22.00	
15	64QAM	1	74	21.71	22.20	21.86	
15	64QAM	36	0	21.03	21.08	20.98	22.2
15	64QAM	36	20	20.79	21.03	20.90	
15	64QAM	36	39	20.74	20.91	20.87	
15	64QAM	75	0	20.88	20.98	20.85	
15	256QAM	1	0	19.23	19.13	19.04	20.2
15	256QAM	1	37	19.06	19.10	18.99	
15	256QAM	1	74	18.81	19.07	18.94	
15	256QAM	36	0	19.02	18.88	18.82	20.2
15	256QAM	36	20	18.84	18.80	18.94	



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15	256QAM	36	39	18.73	18.90	18.86	
15	256QAM	75	0	18.90	18.90	18.88	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.31	23.41	23.27	25.2
10	QPSK	1	25	23.29	23.27	23.31	
10	QPSK	1	49	23.23	23.25	23.34	
10	QPSK	25	0	22.88	22.90	23.02	24.2
10	QPSK	25	12	22.81	22.97	23.01	
10	QPSK	25	25	22.78	22.97	22.91	
10	QPSK	50	0	22.89	22.93	22.97	
10	16QAM	1	0	23.33	23.24	23.12	24.2
10	16QAM	1	25	23.11	23.31	23.04	
10	16QAM	1	49	22.77	23.24	22.82	
10	16QAM	25	0	22.09	22.03	21.94	23.2
10	16QAM	25	12	21.86	22.08	21.97	
10	16QAM	25	25	21.81	22.03	22.00	
10	16QAM	50	0	21.86	22.08	21.92	
10	64QAM	1	0	22.32	21.96	22.01	
10	64QAM	1	25	22.02	22.13	21.98	23.2
10	64QAM	1	49	21.74	22.15	21.80	
10	64QAM	25	0	21.00	21.05	20.96	
10	64QAM	25	12	20.88	21.01	20.88	22.2
10	64QAM	25	25	20.75	20.90	20.87	
10	64QAM	50	0	20.90	20.95	20.86	
10	256QAM	1	0	19.18	19.19	19.03	
10	256QAM	1	25	19.01	19.11	18.96	20.2
10	256QAM	1	49	18.83	19.06	18.89	
10	256QAM	25	0	18.94	18.92	18.92	
10	256QAM	25	12	18.76	18.82	18.99	20.2
10	256QAM	25	25	18.79	18.83	18.86	
10	256QAM	25	0	18.80	18.95	18.88	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.37	23.40	23.35	25.2
5	QPSK	1	12	23.32	23.28	23.33	
5	QPSK	1	24	23.22	23.26	23.35	
5	QPSK	12	0	22.88	22.91	23.00	24.2
5	QPSK	12	7	22.86	22.90	23.00	
5	QPSK	12	13	22.82	22.97	22.91	
5	QPSK	25	0	22.88	23.00	23.02	
5	16QAM	1	0	23.37	23.25	23.12	24.2
5	16QAM	1	12	23.16	23.26	23.05	
5	16QAM	1	24	22.74	23.26	22.77	
5	16QAM	12	0	22.10	22.08	21.94	
5	16QAM	12	7	21.87	22.03	22.00	23.2
5	16QAM	12	13	21.84	22.05	21.95	
5	16QAM	25	0	21.90	22.04	21.86	
5	64QAM	1	0	22.24	21.96	22.09	
5	64QAM	1	12	22.07	22.10	22.04	23.2
5	64QAM	1	24	21.68	22.17	21.84	
5	64QAM	12	0	20.98	21.07	20.92	
5	64QAM	12	7	20.78	20.99	20.96	22.2
5	64QAM	12	13	20.77	20.87	20.90	
5	64QAM	25	0	20.86	20.98	20.83	
5	256QAM	1	0	19.17	19.17	19.00	
5	256QAM	1	12	18.98	19.10	19.01	20.2
5	256QAM	1	24	18.84	19.01	18.97	
5	256QAM	12	0	19.02	18.89	18.85	
5	256QAM	12	7	18.85	18.83	18.93	20.2
5	256QAM	12	13	18.76	18.89	18.87	
5	256QAM	25	0	18.84	18.90	18.87	



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.30	23.41	23.27	25.2
3	QPSK	1	8	23.29	23.29	23.35	
3	QPSK	1	14	23.30	23.27	23.32	
3	QPSK	8	0	22.85	22.92	22.98	24.2
3	QPSK	8	4	22.84	22.94	22.98	
3	QPSK	8	7	22.74	22.96	22.94	
3	QPSK	15	0	22.81	22.96	23.02	
3	16QAM	1	0	23.37	23.22	23.11	24.2
3	16QAM	1	8	23.11	23.29	23.03	
3	16QAM	1	14	22.75	23.26	22.80	
3	16QAM	8	0	22.11	22.03	22.00	23.2
3	16QAM	8	4	21.93	22.10	22.00	
3	16QAM	8	7	21.81	22.05	22.00	
3	16QAM	15	0	21.83	22.07	21.88	
3	64QAM	1	0	22.23	21.96	22.03	23.2
3	64QAM	1	8	22.06	22.12	21.98	
3	64QAM	1	14	21.73	22.18	21.82	
3	64QAM	8	0	20.95	21.08	20.98	22.2
3	64QAM	8	4	20.80	21.04	20.97	
3	64QAM	8	7	20.81	20.96	20.86	
3	64QAM	15	0	20.90	20.91	20.92	
3	256QAM	1	0	19.23	19.13	19.00	20.2
3	256QAM	1	8	18.98	19.09	18.94	
3	256QAM	1	14	18.74	19.06	18.97	
3	256QAM	8	0	19.02	18.91	18.84	20.2
3	256QAM	8	4	18.84	18.81	18.89	
3	256QAM	8	7	18.77	18.91	18.90	
3	256QAM	15	0	18.90	18.96	18.93	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.23	23.40	23.20	25.2
1.4	QPSK	1	3	23.26	23.23	23.28	
1.4	QPSK	1	5	23.32	23.30	23.33	
1.4	QPSK	3	0	23.26	23.24	23.24	
1.4	QPSK	3	1	23.26	23.23	23.24	
1.4	QPSK	3	3	23.27	23.29	23.28	24.2
1.4	QPSK	6	0	22.62	22.62	22.69	
1.4	16QAM	1	0	22.96	22.91	22.98	24.2
1.4	16QAM	1	3	22.92	22.89	22.92	
1.4	16QAM	1	5	22.94	23.03	23.05	
1.4	16QAM	3	0	22.69	22.73	22.75	
1.4	16QAM	3	1	22.65	22.74	22.69	
1.4	16QAM	3	3	22.74	22.73	22.70	
1.4	16QAM	6	0	21.74	21.80	21.78	23.2
1.4	64QAM	1	0	21.96	22.09	22.06	23.2
1.4	64QAM	1	3	21.95	22.00	22.05	
1.4	64QAM	1	5	22.03	22.04	22.13	
1.4	64QAM	3	0	21.78	21.76	21.85	
1.4	64QAM	3	1	21.71	21.71	21.72	
1.4	64QAM	3	3	21.70	21.72	21.75	
1.4	64QAM	6	0	20.68	20.72	20.80	22.2
1.4	256QAM	1	0	18.85	18.85	18.79	20.2
1.4	256QAM	1	3	18.68	18.79	18.81	
1.4	256QAM	1	5	18.79	18.79	18.82	
1.4	256QAM	3	0	18.66	18.73	18.70	
1.4	256QAM	3	1	18.77	18.71	18.74	
1.4	256QAM	3	3	18.74	18.74	18.76	
1.4	256QAM	6	0	18.75	18.75	18.70	20.2



<LTE Band 2_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.37	23.48	23.32	24.4
20	QPSK	1	49	23.32	23.35	23.31	
20	QPSK	1	99	23.20	23.33	23.31	
20	QPSK	50	0	22.95	23.00	22.99	24.2
20	QPSK	50	24	22.90	22.99	22.98	
20	QPSK	50	50	22.82	22.98	22.92	
20	QPSK	100	0	22.89	23.01	22.99	
20	16QAM	1	0	23.37	23.27	23.13	24.2
20	16QAM	1	49	23.18	23.33	23.02	
20	16QAM	1	99	22.80	23.27	22.81	
20	16QAM	50	0	22.12	22.09	21.95	23.2
20	16QAM	50	24	21.95	22.12	22.02	
20	16QAM	50	50	21.86	22.08	21.97	
20	16QAM	100	0	21.93	22.08	21.89	
20	64QAM	1	0	22.33	22.06	22.06	23.2
20	64QAM	1	49	22.10	22.15	21.99	
20	64QAM	1	99	21.77	22.22	21.83	
20	64QAM	50	0	21.03	21.09	20.95	22.2
20	64QAM	50	24	20.88	21.07	20.92	
20	64QAM	50	50	20.83	20.96	20.87	
20	64QAM	100	0	20.92	21.00	20.87	
20	256QAM	1	0	19.26	19.19	19.03	20.2
20	256QAM	1	49	19.08	19.13	18.99	
20	256QAM	1	99	18.84	19.10	18.93	
20	256QAM	50	0	19.02	18.95	18.87	20.2
20	256QAM	50	24	18.86	18.90	18.94	
20	256QAM	50	50	18.83	18.91	18.85	
20	256QAM	100	0	18.90	18.98	18.90	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.32	23.42	23.27	24.4
15	QPSK	1	37	23.30	23.29	23.30	
15	QPSK	1	74	23.20	23.27	23.28	
15	QPSK	36	0	22.94	22.90	23.02	24.2
15	QPSK	36	20	22.89	22.89	23.02	
15	QPSK	36	39	22.78	22.96	22.92	
15	QPSK	75	0	22.83	22.94	23.03	
15	16QAM	1	0	23.31	23.20	23.13	24.2
15	16QAM	1	37	23.10	23.29	23.06	
15	16QAM	1	74	22.77	23.19	22.79	
15	16QAM	36	0	22.11	21.99	21.97	23.2
15	16QAM	36	20	21.87	22.10	21.97	
15	16QAM	36	39	21.78	22.05	21.94	
15	16QAM	75	0	21.86	22.07	21.85	
15	64QAM	1	0	22.27	21.98	22.11	23.2
15	64QAM	1	37	22.10	22.09	22.00	
15	64QAM	1	74	21.71	22.20	21.86	
15	64QAM	36	0	21.03	21.08	20.98	22.2
15	64QAM	36	20	20.79	21.03	20.90	
15	64QAM	36	39	20.74	20.91	20.87	
15	64QAM	75	0	20.88	20.98	20.85	
15	256QAM	1	0	19.23	19.13	19.04	20.2
15	256QAM	1	37	19.06	19.10	18.99	
15	256QAM	1	74	18.81	19.07	18.94	
15	256QAM	36	0	19.02	18.88	18.82	20.2
15	256QAM	36	20	18.84	18.80	18.94	



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15	256QAM	36	39	18.73	18.90	18.86	
15	256QAM	75	0	18.90	18.90	18.88	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.31	23.41	23.27	24.4
10	QPSK	1	25	23.29	23.27	23.31	
10	QPSK	1	49	23.23	23.25	23.34	
10	QPSK	25	0	22.88	22.90	23.02	24.2
10	QPSK	25	12	22.81	22.97	23.01	
10	QPSK	25	25	22.78	22.97	22.91	
10	QPSK	50	0	22.89	22.93	22.97	
10	16QAM	1	0	23.33	23.24	23.12	24.2
10	16QAM	1	25	23.11	23.31	23.04	
10	16QAM	1	49	22.77	23.24	22.82	
10	16QAM	25	0	22.09	22.03	21.94	23.2
10	16QAM	25	12	21.86	22.08	21.97	
10	16QAM	25	25	21.81	22.03	22.00	
10	16QAM	50	0	21.86	22.08	21.92	
10	64QAM	1	0	22.32	21.96	22.01	
10	64QAM	1	25	22.02	22.13	21.98	23.2
10	64QAM	1	49	21.74	22.15	21.80	
10	64QAM	25	0	21.00	21.05	20.96	
10	64QAM	25	12	20.88	21.01	20.88	22.2
10	64QAM	25	25	20.75	20.90	20.87	
10	64QAM	50	0	20.90	20.95	20.86	
10	256QAM	1	0	19.18	19.19	19.03	
10	256QAM	1	25	19.01	19.11	18.96	20.2
10	256QAM	1	49	18.83	19.06	18.89	
10	256QAM	25	0	18.94	18.92	18.92	
10	256QAM	25	12	18.76	18.82	18.99	20.2
10	256QAM	25	25	18.79	18.83	18.86	
10	256QAM	25	0	18.80	18.95	18.88	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.37	23.40	23.35	24.4
5	QPSK	1	12	23.32	23.28	23.33	
5	QPSK	1	24	23.22	23.26	23.35	
5	QPSK	12	0	22.88	22.91	23.00	24.2
5	QPSK	12	7	22.86	22.90	23.00	
5	QPSK	12	13	22.82	22.97	22.91	
5	QPSK	25	0	22.88	23.00	23.02	
5	16QAM	1	0	23.37	23.25	23.12	24.2
5	16QAM	1	12	23.16	23.26	23.05	
5	16QAM	1	24	22.74	23.26	22.77	
5	16QAM	12	0	22.10	22.08	21.94	
5	16QAM	12	7	21.87	22.03	22.00	23.2
5	16QAM	12	13	21.84	22.05	21.95	
5	16QAM	25	0	21.90	22.04	21.86	
5	64QAM	1	0	22.24	21.96	22.09	
5	64QAM	1	12	22.07	22.10	22.04	23.2
5	64QAM	1	24	21.68	22.17	21.84	
5	64QAM	12	0	20.98	21.07	20.92	
5	64QAM	12	7	20.78	20.99	20.96	22.2
5	64QAM	12	13	20.77	20.87	20.90	
5	64QAM	25	0	20.86	20.98	20.83	
5	256QAM	1	0	19.17	19.17	19.00	
5	256QAM	1	12	18.98	19.10	19.01	20.2
5	256QAM	1	24	18.84	19.01	18.97	
5	256QAM	12	0	19.02	18.89	18.85	
5	256QAM	12	7	18.85	18.83	18.93	20.2
5	256QAM	12	13	18.76	18.89	18.87	
5	256QAM	25	0	18.84	18.90	18.87	



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Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.30	23.41	23.27	24.4
3	QPSK	1	8	23.29	23.29	23.35	
3	QPSK	1	14	23.30	23.27	23.32	
3	QPSK	8	0	22.85	22.92	22.98	24.2
3	QPSK	8	4	22.84	22.94	22.98	
3	QPSK	8	7	22.74	22.96	22.94	
3	QPSK	15	0	22.81	22.96	23.02	
3	16QAM	1	0	23.37	23.22	23.11	24.2
3	16QAM	1	8	23.11	23.29	23.03	
3	16QAM	1	14	22.75	23.26	22.80	
3	16QAM	8	0	22.11	22.03	22.00	23.2
3	16QAM	8	4	21.93	22.10	22.00	
3	16QAM	8	7	21.81	22.05	22.00	
3	16QAM	15	0	21.83	22.07	21.88	
3	64QAM	1	0	22.23	21.96	22.03	23.2
3	64QAM	1	8	22.06	22.12	21.98	
3	64QAM	1	14	21.73	22.18	21.82	
3	64QAM	8	0	20.95	21.08	20.98	22.2
3	64QAM	8	4	20.80	21.04	20.97	
3	64QAM	8	7	20.81	20.96	20.86	
3	64QAM	15	0	20.90	20.91	20.92	
3	256QAM	1	0	19.23	19.13	19.00	20.2
3	256QAM	1	8	18.98	19.09	18.94	
3	256QAM	1	14	18.74	19.06	18.97	
3	256QAM	8	0	19.02	18.91	18.84	20.2
3	256QAM	8	4	18.84	18.81	18.89	
3	256QAM	8	7	18.77	18.91	18.90	
3	256QAM	15	0	18.90	18.96	18.93	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.23	23.40	23.20	24.4
1.4	QPSK	1	3	23.26	23.23	23.28	
1.4	QPSK	1	5	23.32	23.30	23.33	
1.4	QPSK	3	0	23.26	23.24	23.24	
1.4	QPSK	3	1	23.26	23.23	23.24	
1.4	QPSK	3	3	23.27	23.29	23.28	
1.4	QPSK	6	0	22.62	22.62	22.69	24.2
1.4	16QAM	1	0	22.96	22.91	22.98	24.2
1.4	16QAM	1	3	22.92	22.89	22.92	
1.4	16QAM	1	5	22.94	23.03	23.05	
1.4	16QAM	3	0	22.69	22.73	22.75	
1.4	16QAM	3	1	22.65	22.74	22.69	
1.4	16QAM	3	3	22.74	22.73	22.70	
1.4	16QAM	6	0	21.74	21.80	21.78	23.2
1.4	64QAM	1	0	21.96	22.09	22.06	23.2
1.4	64QAM	1	3	21.95	22.00	22.05	
1.4	64QAM	1	5	22.03	22.04	22.13	
1.4	64QAM	3	0	21.78	21.76	21.85	
1.4	64QAM	3	1	21.71	21.71	21.72	
1.4	64QAM	3	3	21.70	21.72	21.75	
1.4	64QAM	6	0	20.68	20.72	20.80	22.2
1.4	256QAM	1	0	18.85	18.85	18.79	20.2
1.4	256QAM	1	3	18.68	18.79	18.81	
1.4	256QAM	1	5	18.79	18.79	18.82	
1.4	256QAM	3	0	18.66	18.73	18.70	
1.4	256QAM	3	1	18.77	18.71	18.74	
1.4	256QAM	3	3	18.74	18.74	18.76	
1.4	256QAM	6	0	18.75	18.75	18.70	20.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.28	23.37	23.47	25.2
20	QPSK	1	49	23.44	23.45	23.37	
20	QPSK	1	99	23.42	23.31	23.24	
20	QPSK	50	0	22.41	22.49	22.52	24.2
20	QPSK	50	24	22.48	22.51	22.45	
20	QPSK	50	50	22.51	22.48	22.34	
20	QPSK	100	0	22.46	22.49	22.42	
20	16QAM	1	0	22.51	22.56	22.67	24.2
20	16QAM	1	49	22.61	22.52	22.55	
20	16QAM	1	99	22.64	22.52	22.34	
20	16QAM	50	0	21.41	21.48	21.48	23.2
20	16QAM	50	24	21.46	21.47	21.44	
20	16QAM	50	50	21.51	21.45	21.31	
20	16QAM	100	0	21.42	21.43	21.38	
20	64QAM	1	0	21.49	21.66	21.72	23.2
20	64QAM	1	49	21.66	21.73	21.61	
20	64QAM	1	99	21.65	21.62	21.45	
20	64QAM	50	0	20.40	20.47	20.51	22.2
20	64QAM	50	24	20.46	20.50	20.44	
20	64QAM	50	50	20.48	20.42	20.32	
20	64QAM	100	0	20.42	20.42	20.38	
20	256QAM	1	0	18.51	18.65	18.59	20.2
20	256QAM	1	49	18.52	18.67	18.47	
20	256QAM	1	99	18.75	18.69	18.40	
20	256QAM	50	0	18.31	18.46	18.41	20.2
20	256QAM	50	24	18.42	18.47	18.42	
20	256QAM	50	50	18.50	18.47	18.44	
20	256QAM	100	0	18.42	18.50	18.45	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.22	23.25	23.40	25.2
15	QPSK	1	37	23.20	23.23	23.23	
15	QPSK	1	74	23.33	23.24	23.20	
15	QPSK	36	0	22.31	22.36	22.43	24.2
15	QPSK	36	20	22.35	22.37	22.36	
15	QPSK	36	39	22.39	22.36	22.28	
15	QPSK	75	0	22.35	22.38	22.38	
15	16QAM	1	0	22.56	22.59	22.77	24.2
15	16QAM	1	37	22.66	22.60	22.60	
15	16QAM	1	74	22.60	22.50	22.33	
15	16QAM	36	0	21.32	21.36	21.43	
15	16QAM	36	20	21.37	21.35	21.36	23.2
15	16QAM	36	39	21.40	21.34	21.29	
15	16QAM	75	0	21.36	21.36	21.37	
15	64QAM	1	0	21.45	21.47	21.75	
15	64QAM	1	37	21.34	21.49	21.66	23.2
15	64QAM	1	74	21.52	21.51	21.47	
15	64QAM	36	0	20.31	20.35	20.42	
15	64QAM	36	20	20.36	20.34	20.35	22.2
15	64QAM	36	39	20.40	20.33	20.29	
15	64QAM	75	0	20.33	20.33	20.35	
15	256QAM	1	0	18.42	18.63	18.58	
15	256QAM	1	37	18.47	18.58	18.38	20.2
15	256QAM	1	74	18.75	18.63	18.36	
15	256QAM	36	0	18.30	18.42	18.40	20.2
15	256QAM	36	20	18.38	18.37	18.42	



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15	256QAM	36	39	18.46	18.41	18.34	
15	256QAM	75	0	18.42	18.42	18.43	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.25	23.34	23.45	25.2
10	QPSK	1	25	23.20	23.23	23.21	
10	QPSK	1	49	23.33	23.28	23.20	
10	QPSK	25	0	22.34	22.39	22.40	24.2
10	QPSK	25	12	22.38	22.40	22.35	
10	QPSK	25	25	22.40	22.40	22.27	
10	QPSK	50	0	22.37	22.40	22.35	
10	16QAM	1	0	22.56	22.61	22.64	24.2
10	16QAM	1	25	22.57	22.51	22.52	
10	16QAM	1	49	22.59	22.48	22.41	23.2
10	16QAM	25	0	21.37	21.40	21.42	
10	16QAM	25	12	21.40	21.41	21.36	
10	16QAM	25	25	21.44	21.40	21.31	
10	16QAM	50	0	21.34	21.34	21.31	
10	64QAM	1	0	21.32	21.48	21.50	23.2
10	64QAM	1	25	21.26	21.32	21.32	
10	64QAM	1	49	21.49	21.39	21.30	
10	64QAM	25	0	20.30	20.34	20.37	22.2
10	64QAM	25	12	20.34	20.36	20.30	
10	64QAM	25	25	20.34	20.33	20.23	
10	64QAM	50	0	20.36	20.36	20.32	
10	256QAM	1	0	18.44	18.63	18.49	20.2
10	256QAM	1	25	18.42	18.64	18.46	
10	256QAM	1	49	18.68	18.68	18.34	
10	256QAM	25	0	18.30	18.41	18.40	20.2
10	256QAM	25	12	18.40	18.45	18.39	
10	256QAM	25	25	18.47	18.40	18.39	
10	256QAM	50	0	18.35	18.41	18.38	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.23	23.21	23.24	25.2
5	QPSK	1	12	23.22	23.24	23.21	
5	QPSK	1	24	23.31	23.29	23.23	
5	QPSK	12	0	22.28	22.31	22.32	24.2
5	QPSK	12	7	22.30	22.31	22.29	
5	QPSK	12	13	22.32	22.31	22.26	
5	QPSK	25	0	22.28	22.32	22.28	
5	16QAM	1	0	22.59	22.56	22.61	24.2
5	16QAM	1	12	22.59	22.59	22.54	
5	16QAM	1	24	22.58	22.53	22.48	
5	16QAM	12	0	21.30	21.32	21.36	23.2
5	16QAM	12	7	21.33	21.33	21.35	
5	16QAM	12	13	21.34	21.31	21.28	
5	16QAM	25	0	21.29	21.31	21.28	
5	64QAM	1	0	21.42	21.44	21.52	23.2
5	64QAM	1	12	21.48	21.41	21.41	
5	64QAM	1	24	21.51	21.44	21.37	
5	64QAM	12	0	20.28	20.31	20.35	22.2
5	64QAM	12	7	20.35	20.39	20.31	
5	64QAM	12	13	20.38	20.39	20.33	
5	64QAM	25	0	20.36	20.36	20.34	
5	256QAM	1	0	18.48	18.65	18.57	20.2
5	256QAM	1	12	18.45	18.59	18.40	
5	256QAM	1	24	18.71	18.59	18.31	
5	256QAM	12	0	18.28	18.42	18.39	20.2
5	256QAM	12	7	18.40	18.47	18.40	
5	256QAM	12	13	18.47	18.40	18.41	
5	256QAM	25	0	18.32	18.43	18.38	
Channel				19965	20175	20385	Tune-up limit



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Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.38	23.36	23.33	25.2
3	QPSK	1	8	23.27	23.25	23.20	
3	QPSK	1	14	23.40	23.35	23.23	
3	QPSK	8	0	22.33	22.32	22.28	24.2
3	QPSK	8	4	22.35	22.33	22.27	
3	QPSK	8	7	22.38	22.33	22.26	
3	QPSK	15	0	22.37	22.35	22.29	24.2
3	16QAM	1	0	22.72	22.69	22.65	
3	16QAM	1	8	22.60	22.50	22.46	
3	16QAM	1	14	22.71	22.62	22.57	23.2
3	16QAM	8	0	21.36	21.35	21.32	
3	16QAM	8	4	21.38	21.36	21.33	
3	16QAM	8	7	21.39	21.34	21.30	23.2
3	16QAM	15	0	21.38	21.33	21.31	
3	64QAM	1	0	21.46	21.50	21.41	
3	64QAM	1	8	21.42	21.38	21.33	22.2
3	64QAM	1	14	21.53	21.44	21.39	
3	64QAM	8	0	20.32	20.32	20.36	
3	64QAM	8	4	20.35	20.38	20.36	20.2
3	64QAM	8	7	20.35	20.42	20.38	
3	64QAM	15	0	20.35	20.40	20.37	
3	256QAM	1	0	18.45	18.55	18.55	20.2
3	256QAM	1	8	18.42	18.67	18.37	
3	256QAM	1	14	18.73	18.62	18.32	
3	256QAM	8	0	18.23	18.40	18.39	20.2
3	256QAM	8	4	18.32	18.38	18.40	
3	256QAM	8	7	18.42	18.47	18.35	
3	256QAM	15	0	18.33	18.43	18.36	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.42	23.40	23.33	25.2
1.4	QPSK	1	3	23.35	23.32	23.27	
1.4	QPSK	1	5	23.45	23.42	23.34	
1.4	QPSK	3	0	23.39	23.34	23.29	
1.4	QPSK	3	1	23.40	23.37	23.33	
1.4	QPSK	3	3	23.44	23.40	23.33	24.2
1.4	QPSK	6	0	22.44	22.41	22.31	
1.4	16QAM	1	0	22.74	22.63	22.67	
1.4	16QAM	1	3	22.67	22.62	22.54	24.2
1.4	16QAM	1	5	22.74	22.65	22.64	
1.4	16QAM	3	0	22.49	22.46	22.45	
1.4	16QAM	3	1	22.54	22.48	22.46	
1.4	16QAM	3	3	22.49	22.43	22.41	
1.4	16QAM	6	0	21.48	21.43	21.41	23.2
1.4	64QAM	1	0	21.56	21.56	21.54	23.2
1.4	64QAM	1	3	21.54	21.47	21.45	
1.4	64QAM	1	5	21.54	21.50	21.49	
1.4	64QAM	3	0	21.48	21.46	21.41	
1.4	64QAM	3	1	21.49	21.49	21.36	
1.4	64QAM	3	3	21.52	21.48	21.41	22.2
1.4	64QAM	6	0	20.38	20.34	20.31	
1.4	256QAM	1	0	18.50	18.50	18.40	
1.4	256QAM	1	3	18.42	18.43	18.33	20.2
1.4	256QAM	1	5	18.54	18.54	18.47	
1.4	256QAM	3	0	18.46	18.42	18.41	
1.4	256QAM	3	1	18.50	18.42	18.40	
1.4	256QAM	3	3	18.40	18.44	18.35	
1.4	256QAM	6	0	18.33	18.39	18.33	20.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.28	23.37	23.47	25.2
20	QPSK	1	49	23.44	23.45	23.37	
20	QPSK	1	99	23.42	23.31	23.24	
20	QPSK	50	0	22.41	22.49	22.52	24.2
20	QPSK	50	24	22.48	22.51	22.45	
20	QPSK	50	50	22.51	22.48	22.34	
20	QPSK	100	0	22.46	22.49	22.42	
20	16QAM	1	0	22.51	22.56	22.67	24.2
20	16QAM	1	49	22.61	22.52	22.55	
20	16QAM	1	99	22.64	22.52	22.34	
20	16QAM	50	0	21.41	21.48	21.48	23.2
20	16QAM	50	24	21.46	21.47	21.44	
20	16QAM	50	50	21.51	21.45	21.31	
20	16QAM	100	0	21.42	21.43	21.38	
20	64QAM	1	0	21.49	21.66	21.72	23.2
20	64QAM	1	49	21.66	21.73	21.61	
20	64QAM	1	99	21.65	21.62	21.45	
20	64QAM	50	0	20.40	20.47	20.51	22.2
20	64QAM	50	24	20.46	20.50	20.44	
20	64QAM	50	50	20.48	20.42	20.32	
20	64QAM	100	0	20.42	20.42	20.38	
20	256QAM	1	0	18.51	18.65	18.59	20.2
20	256QAM	1	49	18.52	18.67	18.47	
20	256QAM	1	99	18.75	18.69	18.40	
20	256QAM	50	0	18.31	18.46	18.41	20.2
20	256QAM	50	24	18.42	18.47	18.42	
20	256QAM	50	50	18.50	18.47	18.44	
20	256QAM	100	0	18.42	18.50	18.45	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.22	23.25	23.40	25.2
15	QPSK	1	37	23.20	23.23	23.23	
15	QPSK	1	74	23.33	23.24	23.20	
15	QPSK	36	0	22.31	22.36	22.43	24.2
15	QPSK	36	20	22.35	22.37	22.36	
15	QPSK	36	39	22.39	22.36	22.28	
15	QPSK	75	0	22.35	22.38	22.38	
15	16QAM	1	0	22.56	22.59	22.77	24.2
15	16QAM	1	37	22.66	22.60	22.60	
15	16QAM	1	74	22.60	22.50	22.33	
15	16QAM	36	0	21.32	21.36	21.43	
15	16QAM	36	20	21.37	21.35	21.36	23.2
15	16QAM	36	39	21.40	21.34	21.29	
15	16QAM	75	0	21.36	21.36	21.37	
15	64QAM	1	0	21.45	21.47	21.75	
15	64QAM	1	37	21.34	21.49	21.66	23.2
15	64QAM	1	74	21.52	21.51	21.47	
15	64QAM	36	0	20.31	20.35	20.42	
15	64QAM	36	20	20.36	20.34	20.35	22.2
15	64QAM	36	39	20.40	20.33	20.29	
15	64QAM	75	0	20.33	20.33	20.35	
15	256QAM	1	0	18.42	18.63	18.58	
15	256QAM	1	37	18.47	18.58	18.38	20.2
15	256QAM	1	74	18.75	18.63	18.36	
15	256QAM	36	0	18.30	18.42	18.40	20.2
15	256QAM	36	20	18.38	18.37	18.42	



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15	256QAM	36	39	18.46	18.41	18.34	
15	256QAM	75	0	18.42	18.42	18.43	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.25	23.34	23.45	25.2
10	QPSK	1	25	23.20	23.23	23.21	
10	QPSK	1	49	23.33	23.28	23.20	
10	QPSK	25	0	22.34	22.39	22.40	24.2
10	QPSK	25	12	22.38	22.40	22.35	
10	QPSK	25	25	22.40	22.40	22.27	
10	QPSK	50	0	22.37	22.40	22.35	
10	16QAM	1	0	22.56	22.61	22.64	24.2
10	16QAM	1	25	22.57	22.51	22.52	
10	16QAM	1	49	22.59	22.48	22.41	
10	16QAM	25	0	21.37	21.40	21.42	23.2
10	16QAM	25	12	21.40	21.41	21.36	
10	16QAM	25	25	21.44	21.40	21.31	
10	16QAM	50	0	21.34	21.34	21.31	
10	64QAM	1	0	21.32	21.48	21.50	
10	64QAM	1	25	21.26	21.32	21.32	23.2
10	64QAM	1	49	21.49	21.39	21.30	
10	64QAM	25	0	20.30	20.34	20.37	
10	64QAM	25	12	20.34	20.36	20.30	22.2
10	64QAM	25	25	20.34	20.33	20.23	
10	64QAM	50	0	20.36	20.36	20.32	
10	256QAM	1	0	18.44	18.63	18.49	20.2
10	256QAM	1	25	18.42	18.64	18.46	
10	256QAM	1	49	18.68	18.68	18.34	
10	256QAM	25	0	18.30	18.41	18.40	20.2
10	256QAM	25	12	18.40	18.45	18.39	
10	256QAM	25	25	18.47	18.40	18.39	
10	256QAM	25	0	18.35	18.41	18.38	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.23	23.21	23.24	25.2
5	QPSK	1	12	23.22	23.24	23.21	
5	QPSK	1	24	23.31	23.29	23.23	
5	QPSK	12	0	22.28	22.31	22.32	24.2
5	QPSK	12	7	22.30	22.31	22.29	
5	QPSK	12	13	22.32	22.31	22.26	
5	QPSK	25	0	22.28	22.32	22.28	
5	16QAM	1	0	22.59	22.56	22.61	24.2
5	16QAM	1	12	22.59	22.59	22.54	
5	16QAM	1	24	22.58	22.53	22.48	
5	16QAM	12	0	21.30	21.32	21.36	23.2
5	16QAM	12	7	21.33	21.33	21.35	
5	16QAM	12	13	21.34	21.31	21.28	
5	16QAM	25	0	21.29	21.31	21.28	
5	64QAM	1	0	21.42	21.44	21.52	
5	64QAM	1	12	21.48	21.41	21.41	23.2
5	64QAM	1	24	21.51	21.44	21.37	
5	64QAM	12	0	20.28	20.31	20.35	
5	64QAM	12	7	20.35	20.39	20.31	22.2
5	64QAM	12	13	20.38	20.39	20.33	
5	64QAM	25	0	20.36	20.36	20.34	
5	256QAM	1	0	18.48	18.65	18.57	
5	256QAM	1	12	18.45	18.59	18.40	20.2
5	256QAM	1	24	18.71	18.59	18.31	
5	256QAM	12	0	18.28	18.42	18.39	
5	256QAM	12	7	18.40	18.47	18.40	20.2
5	256QAM	12	13	18.47	18.40	18.41	
5	256QAM	25	0	18.32	18.43	18.38	
Channel				19965	20175	20385	



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Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.38	23.36	23.33	25.2
3	QPSK	1	8	23.27	23.25	23.20	
3	QPSK	1	14	23.40	23.35	23.23	
3	QPSK	8	0	22.33	22.32	22.28	24.2
3	QPSK	8	4	22.35	22.33	22.27	
3	QPSK	8	7	22.38	22.33	22.26	
3	QPSK	15	0	22.37	22.35	22.29	24.2
3	16QAM	1	0	22.72	22.69	22.65	
3	16QAM	1	8	22.60	22.50	22.46	
3	16QAM	1	14	22.71	22.62	22.57	23.2
3	16QAM	8	0	21.36	21.35	21.32	
3	16QAM	8	4	21.38	21.36	21.33	
3	16QAM	8	7	21.39	21.34	21.30	23.2
3	16QAM	15	0	21.38	21.33	21.31	
3	64QAM	1	0	21.46	21.50	21.41	
3	64QAM	1	8	21.42	21.38	21.33	22.2
3	64QAM	1	14	21.53	21.44	21.39	
3	64QAM	8	0	20.32	20.32	20.36	
3	64QAM	8	4	20.35	20.38	20.36	20.2
3	64QAM	8	7	20.35	20.42	20.38	
3	64QAM	15	0	20.35	20.40	20.37	
3	256QAM	1	0	18.45	18.55	18.55	20.2
3	256QAM	1	8	18.42	18.67	18.37	
3	256QAM	1	14	18.73	18.62	18.32	
3	256QAM	8	0	18.23	18.40	18.39	20.2
3	256QAM	8	4	18.32	18.38	18.40	
3	256QAM	8	7	18.42	18.47	18.35	
3	256QAM	15	0	18.33	18.43	18.36	
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	23.42	23.40	23.33	25.2
1.4	QPSK	1	3	23.35	23.32	23.27	
1.4	QPSK	1	5	23.45	23.42	23.34	
1.4	QPSK	3	0	23.39	23.34	23.29	
1.4	QPSK	3	1	23.40	23.37	23.33	
1.4	QPSK	3	3	23.44	23.40	23.33	24.2
1.4	QPSK	6	0	22.44	22.41	22.31	
1.4	16QAM	1	0	22.74	22.63	22.67	
1.4	16QAM	1	3	22.67	22.62	22.54	24.2
1.4	16QAM	1	5	22.74	22.65	22.64	
1.4	16QAM	3	0	22.49	22.46	22.45	
1.4	16QAM	3	1	22.54	22.48	22.46	
1.4	16QAM	3	3	22.49	22.43	22.41	
1.4	16QAM	6	0	21.48	21.43	21.41	23.2
1.4	64QAM	1	0	21.56	21.56	21.54	23.2
1.4	64QAM	1	3	21.54	21.47	21.45	
1.4	64QAM	1	5	21.54	21.50	21.49	
1.4	64QAM	3	0	21.48	21.46	21.41	
1.4	64QAM	3	1	21.49	21.49	21.36	
1.4	64QAM	3	3	21.52	21.48	21.41	22.2
1.4	64QAM	6	0	20.38	20.34	20.31	
1.4	256QAM	1	0	18.50	18.50	18.40	
1.4	256QAM	1	3	18.42	18.43	18.33	20.2
1.4	256QAM	1	5	18.54	18.54	18.47	
1.4	256QAM	3	0	18.46	18.42	18.41	
1.4	256QAM	3	1	18.50	18.42	18.40	
1.4	256QAM	3	3	18.40	18.44	18.35	
1.4	256QAM	6	0	18.33	18.39	18.33	20.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.78	22.84	22.95	23.3
20	QPSK	1	49	22.90	22.92	22.81	
20	QPSK	1	99	22.91	22.76	22.73	
20	QPSK	50	0	22.36	22.46	22.51	23.3
20	QPSK	50	24	22.43	22.41	22.41	
20	QPSK	50	50	22.43	22.41	22.29	
20	QPSK	100	0	22.40	22.42	22.43	
20	16QAM	1	0	22.46	22.53	22.67	23.3
20	16QAM	1	49	22.56	22.46	22.51	
20	16QAM	1	99	22.63	22.45	22.31	
20	16QAM	50	0	21.40	21.46	21.47	23.2
20	16QAM	50	24	21.44	21.45	21.37	
20	16QAM	50	50	21.51	21.45	21.24	
20	16QAM	100	0	21.38	21.36	21.37	
20	64QAM	1	0	21.41	21.58	21.63	23.2
20	64QAM	1	49	21.62	21.66	21.55	
20	64QAM	1	99	21.61	21.56	21.39	
20	64QAM	50	0	20.32	20.39	20.44	22
20	64QAM	50	24	20.46	20.41	20.34	
20	64QAM	50	50	20.40	20.41	20.30	
20	64QAM	100	0	20.38	20.32	20.28	
20	256QAM	1	0	18.46	18.60	18.54	20.2
20	256QAM	1	49	18.46	18.58	18.40	
20	256QAM	1	99	18.74	18.61	18.39	
20	256QAM	50	0	18.21	18.41	18.36	20.2
20	256QAM	50	24	18.38	18.38	18.37	
20	256QAM	50	50	18.42	18.45	18.39	
20	256QAM	100	0	18.36	18.42	18.37	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.63	22.66	22.86	23.3
15	QPSK	1	37	22.68	22.67	22.66	
15	QPSK	1	74	22.77	22.64	22.61	
15	QPSK	36	0	22.27	22.35	22.35	23.3
15	QPSK	36	20	22.33	22.33	22.28	
15	QPSK	36	39	22.36	22.30	22.22	
15	QPSK	75	0	22.25	22.36	22.36	
15	16QAM	1	0	22.54	22.55	22.69	23.3
15	16QAM	1	37	22.60	22.50	22.55	
15	16QAM	1	74	22.51	22.45	22.25	
15	16QAM	36	0	21.30	21.28	21.33	23.2
15	16QAM	36	20	21.27	21.34	21.34	
15	16QAM	36	39	21.36	21.30	21.23	
15	16QAM	75	0	21.33	21.36	21.36	
15	64QAM	1	0	21.41	21.40	21.69	23.2
15	64QAM	1	37	21.33	21.40	21.64	
15	64QAM	1	74	21.44	21.42	21.41	
15	64QAM	36	0	20.21	20.27	20.41	22
15	64QAM	36	20	20.28	20.26	20.32	
15	64QAM	36	39	20.40	20.33	20.28	
15	64QAM	75	0	20.28	20.30	20.31	
15	256QAM	1	0	18.38	18.62	18.48	20.2
15	256QAM	1	37	18.39	18.50	18.29	
15	256QAM	1	74	18.65	18.63	18.26	
15	256QAM	36	0	18.24	18.38	18.30	20.2
15	256QAM	36	20	18.36	18.35	18.35	



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15	256QAM	36	39	18.46	18.31	18.33	
15	256QAM	75	0	18.39	18.35	18.40	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.69	22.81	22.94	23.3
10	QPSK	1	25	22.62	22.64	22.66	
10	QPSK	1	49	22.73	22.75	22.61	
10	QPSK	25	0	22.34	22.33	22.30	23.3
10	QPSK	25	12	22.36	22.33	22.29	
10	QPSK	25	25	22.30	22.31	22.27	
10	QPSK	50	0	22.31	22.39	22.27	
10	16QAM	1	0	22.51	22.59	22.59	
10	16QAM	1	25	22.55	22.50	22.42	23.3
10	16QAM	1	49	22.54	22.41	22.39	
10	16QAM	25	0	21.37	21.37	21.41	23.2
10	16QAM	25	12	21.36	21.40	21.30	
10	16QAM	25	25	21.43	21.37	21.31	
10	16QAM	50	0	21.33	21.31	21.29	
10	64QAM	1	0	21.27	21.42	21.46	
10	64QAM	1	25	21.23	21.23	21.28	23.2
10	64QAM	1	49	21.41	21.38	21.21	
10	64QAM	25	0	20.22	20.31	20.27	
10	64QAM	25	12	20.28	20.30	20.27	22
10	64QAM	25	25	20.32	20.27	20.19	
10	64QAM	50	0	20.28	20.35	20.30	
10	256QAM	1	0	18.43	18.57	18.48	20.2
10	256QAM	1	25	18.32	18.55	18.45	
10	256QAM	1	49	18.61	18.61	18.24	
10	256QAM	25	0	18.21	18.33	18.39	20.2
10	256QAM	25	12	18.39	18.36	18.34	
10	256QAM	25	25	18.43	18.36	18.29	
10	256QAM	25	0	18.34	18.38	18.29	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.68	22.65	22.67	23.3
5	QPSK	1	12	22.63	22.65	22.61	
5	QPSK	1	24	22.81	22.71	22.66	
5	QPSK	12	0	22.24	22.27	22.29	23.3
5	QPSK	12	7	22.28	22.24	22.22	
5	QPSK	12	13	22.27	22.29	22.22	
5	QPSK	25	0	22.27	22.22	22.26	
5	16QAM	1	0	22.55	22.52	22.56	
5	16QAM	1	12	22.58	22.56	22.46	23.3
5	16QAM	1	24	22.52	22.51	22.41	
5	16QAM	12	0	21.23	21.32	21.29	
5	16QAM	12	7	21.32	21.27	21.34	23.2
5	16QAM	12	13	21.25	21.27	21.20	
5	16QAM	25	0	21.26	21.23	21.20	
5	64QAM	1	0	21.34	21.40	21.44	
5	64QAM	1	12	21.40	21.34	21.34	
5	64QAM	1	24	21.50	21.41	21.27	23.2
5	64QAM	12	0	20.22	20.24	20.32	
5	64QAM	12	7	20.34	20.30	20.24	
5	64QAM	12	13	20.35	20.29	20.24	22
5	64QAM	25	0	20.34	20.29	20.30	
5	256QAM	1	0	18.40	18.56	18.48	
5	256QAM	1	12	18.44	18.52	18.33	20.2
5	256QAM	1	24	18.68	18.55	18.31	
5	256QAM	12	0	18.20	18.39	18.39	
5	256QAM	12	7	18.33	18.38	18.32	20.2
5	256QAM	12	13	18.45	18.39	18.40	
5	256QAM	25	0	18.27	18.38	18.30	
Channel				19965	20175	20385	Tune-up limit



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Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	22.83	22.78	22.75	23.3
3	QPSK	1	8	22.67	22.66	22.64	
3	QPSK	1	14	22.87	22.77	22.72	
3	QPSK	8	0	22.23	22.29	22.24	23.3
3	QPSK	8	4	22.35	22.31	22.20	
3	QPSK	8	7	22.34	22.30	22.16	
3	QPSK	15	0	22.34	22.33	22.21	23.3
3	16QAM	1	0	22.64	22.64	22.57	
3	16QAM	1	8	22.50	22.45	22.39	
3	16QAM	1	14	22.70	22.60	22.57	23.2
3	16QAM	8	0	21.27	21.30	21.30	
3	16QAM	8	4	21.28	21.32	21.32	
3	16QAM	8	7	21.30	21.29	21.24	23.2
3	16QAM	15	0	21.37	21.29	21.24	
3	64QAM	1	0	21.45	21.49	21.36	
3	64QAM	1	8	21.40	21.35	21.27	23.2
3	64QAM	1	14	21.47	21.34	21.30	
3	64QAM	8	0	20.23	20.31	20.29	
3	64QAM	8	4	20.26	20.28	20.35	22
3	64QAM	8	7	20.29	20.37	20.38	
3	64QAM	15	0	20.34	20.31	20.32	
3	256QAM	1	0	18.40	18.48	18.46	20.2
3	256QAM	1	8	18.37	18.62	18.28	
3	256QAM	1	14	18.64	18.53	18.27	
3	256QAM	8	0	18.21	18.35	18.38	20.2
3	256QAM	8	4	18.25	18.34	18.31	
3	256QAM	8	7	18.37	18.43	18.28	
3	256QAM	15	0	18.26	18.34	18.27	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.86	22.89	22.75	23.3
1.4	QPSK	1	3	22.77	22.75	22.69	
1.4	QPSK	1	5	22.86	22.92	22.83	
1.4	QPSK	3	0	22.86	22.81	22.78	23.3
1.4	QPSK	3	1	22.84	22.82	22.75	
1.4	QPSK	3	3	22.84	22.88	22.81	
1.4	QPSK	6	0	22.37	22.40	22.26	23.3
1.4	16QAM	1	0	22.70	22.57	22.65	
1.4	16QAM	1	3	22.57	22.53	22.52	
1.4	16QAM	1	5	22.71	22.59	22.54	23.3
1.4	16QAM	3	0	22.45	22.46	22.36	
1.4	16QAM	3	1	22.52	22.46	22.39	
1.4	16QAM	3	3	22.48	22.36	22.37	23.2
1.4	16QAM	6	0	21.42	21.34	21.33	
1.4	64QAM	1	0	21.52	21.49	21.50	
1.4	64QAM	1	3	21.51	21.44	21.35	23.2
1.4	64QAM	1	5	21.49	21.50	21.39	
1.4	64QAM	3	0	21.43	21.40	21.39	
1.4	64QAM	3	1	21.43	21.44	21.31	22
1.4	64QAM	3	3	21.43	21.47	21.35	
1.4	64QAM	6	0	20.31	20.32	20.23	
1.4	256QAM	1	0	18.44	18.46	18.38	20.2
1.4	256QAM	1	3	18.35	18.41	18.30	
1.4	256QAM	1	5	18.54	18.44	18.38	
1.4	256QAM	3	0	18.43	18.36	18.39	20.2
1.4	256QAM	3	1	18.40	18.35	18.40	
1.4	256QAM	3	3	18.35	18.41	18.33	
1.4	256QAM	6	0	18.29	18.36	18.27	20.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.75	22.83	22.97	23.3
20	QPSK	1	49	22.94	22.94	22.79	
20	QPSK	1	99	22.85	22.76	22.66	
20	QPSK	50	0	22.35	22.48	22.52	23.3
20	QPSK	50	24	22.40	22.41	22.36	
20	QPSK	50	50	22.48	22.44	22.34	
20	QPSK	100	0	22.36	22.43	22.33	
20	16QAM	1	0	22.49	22.51	22.59	23.3
20	16QAM	1	49	22.51	22.45	22.48	
20	16QAM	1	99	22.60	22.50	22.31	
20	16QAM	50	0	21.40	21.45	21.48	23.2
20	16QAM	50	24	21.38	21.44	21.34	
20	16QAM	50	50	21.45	21.37	21.26	
20	16QAM	100	0	21.36	21.40	21.30	
20	64QAM	1	0	21.43	21.63	21.63	23.2
20	64QAM	1	49	21.59	21.65	21.55	
20	64QAM	1	99	21.60	21.53	21.45	
20	64QAM	50	0	20.33	20.37	20.49	22.2
20	64QAM	50	24	20.36	20.42	20.40	
20	64QAM	50	50	20.41	20.37	20.28	
20	64QAM	100	0	20.37	20.41	20.28	
20	256QAM	1	0	18.44	18.57	18.49	20.2
20	256QAM	1	49	18.49	18.61	18.37	
20	256QAM	1	99	18.73	18.66	18.30	
20	256QAM	50	0	18.31	18.40	18.41	20.2
20	256QAM	50	24	18.38	18.38	18.39	
20	256QAM	50	50	18.45	18.40	18.37	
20	256QAM	100	0	18.40	18.42	18.41	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.63	22.65	22.85	23.3
15	QPSK	1	37	22.68	22.63	22.70	
15	QPSK	1	74	22.81	22.72	22.61	
15	QPSK	36	0	22.26	22.32	22.39	23.3
15	QPSK	36	20	22.35	22.35	22.28	
15	QPSK	36	39	22.36	22.32	22.24	
15	QPSK	75	0	22.30	22.30	22.32	
15	16QAM	1	0	22.56	22.56	22.68	23.3
15	16QAM	1	37	22.62	22.54	22.55	
15	16QAM	1	74	22.59	22.49	22.29	
15	16QAM	36	0	21.28	21.29	21.37	23.2
15	16QAM	36	20	21.37	21.33	21.33	
15	16QAM	36	39	21.34	21.32	21.20	
15	16QAM	75	0	21.35	21.31	21.35	
15	64QAM	1	0	21.44	21.44	21.68	23.2
15	64QAM	1	37	21.26	21.47	21.57	
15	64QAM	1	74	21.44	21.43	21.37	
15	64QAM	36	0	20.27	20.27	20.41	22.2
15	64QAM	36	20	20.29	20.31	20.32	
15	64QAM	36	39	20.36	20.29	20.22	
15	64QAM	75	0	20.24	20.27	20.26	
15	256QAM	1	0	18.38	18.57	18.48	20.2
15	256QAM	1	37	18.44	18.52	18.29	
15	256QAM	1	74	18.73	18.57	18.26	
15	256QAM	36	0	18.30	18.42	18.33	20.2
15	256QAM	36	20	18.32	18.35	18.32	



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15	256QAM	36	39	18.41	18.41	18.27	
15	256QAM	75	0	18.38	18.36	18.33	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.74	22.77	22.89	23.3
10	QPSK	1	25	22.63	22.64	22.64	
10	QPSK	1	49	22.78	22.74	22.70	
10	QPSK	25	0	22.24	22.32	22.33	23.3
10	QPSK	25	12	22.38	22.38	22.30	
10	QPSK	25	25	22.40	22.31	22.19	
10	QPSK	50	0	22.34	22.36	22.30	
10	16QAM	1	0	22.53	22.55	22.60	
10	16QAM	1	25	22.47	22.45	22.51	23.3
10	16QAM	1	49	22.51	22.45	22.40	
10	16QAM	25	0	21.37	21.34	21.40	23.2
10	16QAM	25	12	21.33	21.35	21.34	
10	16QAM	25	25	21.44	21.39	21.30	
10	16QAM	50	0	21.25	21.26	21.31	
10	64QAM	1	0	21.29	21.48	21.45	
10	64QAM	1	25	21.22	21.30	21.31	23.2
10	64QAM	1	49	21.47	21.34	21.25	
10	64QAM	25	0	20.20	20.31	20.33	
10	64QAM	25	12	20.32	20.26	20.20	22.2
10	64QAM	25	25	20.24	20.23	20.21	
10	64QAM	50	0	20.28	20.33	20.30	
10	256QAM	1	0	18.44	18.57	18.44	20.2
10	256QAM	1	25	18.37	18.60	18.42	
10	256QAM	1	49	18.60	18.59	18.26	
10	256QAM	25	0	18.22	18.37	18.39	20.2
10	256QAM	25	12	18.40	18.43	18.29	
10	256QAM	25	25	18.43	18.38	18.36	
10	256QAM	25	0	18.30	18.34	18.35	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.66	22.69	22.74	23.3
5	QPSK	1	12	22.64	22.72	22.63	
5	QPSK	1	24	22.78	22.70	22.66	
5	QPSK	12	0	22.27	22.29	22.32	23.3
5	QPSK	12	7	22.24	22.25	22.23	
5	QPSK	12	13	22.29	22.24	22.26	
5	QPSK	25	0	22.28	22.23	22.24	
5	16QAM	1	0	22.56	22.52	22.52	
5	16QAM	1	12	22.55	22.53	22.47	23.3
5	16QAM	1	24	22.49	22.51	22.41	
5	16QAM	12	0	21.24	21.28	21.33	
5	16QAM	12	7	21.32	21.25	21.30	23.2
5	16QAM	12	13	21.34	21.21	21.25	
5	16QAM	25	0	21.22	21.21	21.21	
5	64QAM	1	0	21.42	21.41	21.52	
5	64QAM	1	12	21.41	21.34	21.39	
5	64QAM	1	24	21.45	21.44	21.28	23.2
5	64QAM	12	0	20.20	20.22	20.27	
5	64QAM	12	7	20.32	20.36	20.31	
5	64QAM	12	13	20.36	20.35	20.32	
5	64QAM	25	0	20.29	20.27	20.33	
5	256QAM	1	0	18.39	18.62	18.53	20.2
5	256QAM	1	12	18.40	18.49	18.39	
5	256QAM	1	24	18.64	18.49	18.29	
5	256QAM	12	0	18.23	18.38	18.36	20.2
5	256QAM	12	7	18.32	18.44	18.37	
5	256QAM	12	13	18.47	18.40	18.36	
5	256QAM	12	0	18.26	18.41	18.31	
Channel				19965	20175	20385	



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Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	22.87	22.81	22.81	23.3
3	QPSK	1	8	22.67	22.72	22.65	
3	QPSK	1	14	22.83	22.78	22.65	
3	QPSK	8	0	22.26	22.24	22.23	23.3
3	QPSK	8	4	22.32	22.27	22.20	
3	QPSK	8	7	22.30	22.28	22.23	
3	QPSK	15	0	22.28	22.33	22.24	
3	16QAM	1	0	22.64	22.60	22.58	23.3
3	16QAM	1	8	22.54	22.46	22.40	
3	16QAM	1	14	22.69	22.59	22.47	
3	16QAM	8	0	21.28	21.35	21.27	23.2
3	16QAM	8	4	21.35	21.31	21.30	
3	16QAM	8	7	21.33	21.26	21.25	
3	16QAM	15	0	21.38	21.24	21.27	
3	64QAM	1	0	21.46	21.46	21.35	23.2
3	64QAM	1	8	21.32	21.34	21.24	
3	64QAM	1	14	21.46	21.35	21.38	
3	64QAM	8	0	20.25	20.31	20.33	22.2
3	64QAM	8	4	20.31	20.37	20.34	
3	64QAM	8	7	20.25	20.34	20.31	
3	64QAM	15	0	20.32	20.37	20.27	
3	256QAM	1	0	18.36	18.46	18.54	20.2
3	256QAM	1	8	18.32	18.59	18.27	
3	256QAM	1	14	18.67	18.56	18.23	
3	256QAM	8	0	18.20	18.38	18.33	20.2
3	256QAM	8	4	18.22	18.30	18.35	
3	256QAM	8	7	18.36	18.47	18.29	
3	256QAM	15	0	18.28	18.38	18.32	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.86	22.84	22.81	23.3
1.4	QPSK	1	3	22.76	22.72	22.76	
1.4	QPSK	1	5	22.93	22.87	22.80	
1.4	QPSK	3	0	22.87	22.80	22.73	
1.4	QPSK	3	1	22.88	22.81	22.76	
1.4	QPSK	3	3	22.90	22.85	22.82	
1.4	QPSK	6	0	22.42	22.31	22.26	23.3
1.4	16QAM	1	0	22.66	22.61	22.59	23.3
1.4	16QAM	1	3	22.65	22.58	22.53	
1.4	16QAM	1	5	22.65	22.65	22.58	
1.4	16QAM	3	0	22.46	22.37	22.44	
1.4	16QAM	3	1	22.53	22.48	22.44	
1.4	16QAM	3	3	22.39	22.43	22.38	
1.4	16QAM	6	0	21.43	21.38	21.38	23.2
1.4	64QAM	1	0	21.48	21.52	21.49	23.2
1.4	64QAM	1	3	21.49	21.42	21.35	
1.4	64QAM	1	5	21.49	21.50	21.48	
1.4	64QAM	3	0	21.45	21.43	21.39	
1.4	64QAM	3	1	21.48	21.45	21.27	
1.4	64QAM	3	3	21.44	21.45	21.40	
1.4	64QAM	6	0	20.37	20.26	20.28	22.2
1.4	256QAM	1	0	18.45	18.48	18.33	20.2
1.4	256QAM	1	3	18.39	18.42	18.26	
1.4	256QAM	1	5	18.46	18.53	18.44	
1.4	256QAM	3	0	18.46	18.38	18.33	
1.4	256QAM	3	1	18.42	18.36	18.30	
1.4	256QAM	3	3	18.38	18.43	18.35	
1.4	256QAM	6	0	18.30	18.39	18.23	20.2



<LTE Band 4_Ant 2_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.90	24.00	24.18	25.7
20	QPSK	1	49	23.93	23.98	24.03	
20	QPSK	1	99	23.98	23.92	23.82	
20	QPSK	50	0	23.07	23.13	23.19	24.7
20	QPSK	50	24	23.12	23.13	23.14	
20	QPSK	50	50	23.13	23.10	23.02	
20	QPSK	100	0	23.10	23.11	23.11	24.7
20	16QAM	1	0	23.15	23.26	23.43	
20	16QAM	1	49	23.25	23.25	23.31	
20	16QAM	1	99	23.29	23.18	23.13	23.7
20	16QAM	50	0	22.05	22.10	22.18	
20	16QAM	50	24	22.09	22.10	22.11	
20	16QAM	50	50	22.11	22.05	22.01	23.7
20	16QAM	100	0	22.04	22.07	22.08	
20	64QAM	1	0	22.15	22.18	22.32	
20	64QAM	1	49	22.26	22.23	22.24	23.7
20	64QAM	1	99	22.29	22.26	22.11	
20	64QAM	50	0	21.16	21.22	21.30	
20	64QAM	50	24	21.20	21.19	21.23	22.7
20	64QAM	50	50	21.22	21.16	21.11	
20	64QAM	100	0	21.16	21.16	21.18	
20	256QAM	1	0	19.43	19.45	19.47	20.7
20	256QAM	1	49	19.67	19.54	19.65	
20	256QAM	1	99	19.79	19.73	19.67	
20	256QAM	50	0	19.38	19.44	19.51	20.7
20	256QAM	50	24	19.47	19.50	19.53	
20	256QAM	50	50	19.52	19.52	19.46	
20	256QAM	100	0	19.51	19.51	19.51	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.10	24.12	24.10	25.7
15	QPSK	1	37	24.15	24.11	24.17	
15	QPSK	1	74	24.10	24.08	24.00	
15	QPSK	36	0	23.21	23.26	23.36	24.7
15	QPSK	36	20	23.23	23.24	23.27	
15	QPSK	36	39	23.26	23.23	23.20	
15	QPSK	75	0	23.24	23.28	23.30	24.7
15	16QAM	1	0	23.47	23.50	23.68	
15	16QAM	1	37	23.48	23.49	23.50	
15	16QAM	1	74	23.51	23.40	23.32	23.7
15	16QAM	36	0	22.21	22.26	22.37	
15	16QAM	36	20	22.23	22.23	22.31	
15	16QAM	36	39	22.25	22.23	22.23	23.7
15	16QAM	75	0	22.23	22.25	22.28	
15	64QAM	1	0	22.42	22.33	22.52	
15	64QAM	1	37	22.38	22.29	22.42	22.7
15	64QAM	1	74	22.40	22.28	22.22	
15	64QAM	36	0	21.21	21.25	21.36	
15	64QAM	36	20	21.23	21.23	21.30	20.7
15	64QAM	36	39	21.26	21.21	21.22	
15	64QAM	75	0	21.18	21.20	21.24	
15	256QAM	1	0	19.33	19.25	19.32	20.7
15	256QAM	1	37	19.53	19.38	19.50	
15	256QAM	1	74	19.69	19.60	19.51	
15	256QAM	36	0	19.27	19.34	19.33	20.7
15	256QAM	36	20	19.28	19.36	19.38	



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15	256QAM	36	39	19.42	19.32	19.33	
15	256QAM	75	0	19.32	19.39	19.38	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.08	24.10	24.11	25.7
10	QPSK	1	25	23.88	23.89	23.91	
10	QPSK	1	49	24.03	23.99	23.92	
10	QPSK	25	0	23.10	23.15	23.21	24.7
10	QPSK	25	12	23.13	23.14	23.15	
10	QPSK	25	25	23.15	23.13	23.10	
10	QPSK	50	0	23.13	23.15	23.16	
10	16QAM	1	0	23.33	23.33	23.42	24.7
10	16QAM	1	25	23.32	23.26	23.33	
10	16QAM	1	49	23.33	23.23	23.18	
10	16QAM	25	0	22.12	22.16	22.23	23.7
10	16QAM	25	12	22.18	22.21	22.24	
10	16QAM	25	25	22.27	22.25	22.23	
10	16QAM	50	0	22.20	22.19	22.22	
10	64QAM	1	0	22.26	22.32	22.49	23.7
10	64QAM	1	25	22.27	22.22	22.32	
10	64QAM	1	49	22.38	22.29	22.31	
10	64QAM	25	0	21.18	21.19	21.29	22.7
10	64QAM	25	12	21.22	21.25	21.30	
10	64QAM	25	25	21.30	21.28	21.27	
10	64QAM	50	0	21.29	21.30	21.33	
10	256QAM	1	0	19.23	19.31	19.34	20.7
10	256QAM	1	25	19.57	19.39	19.47	
10	256QAM	1	49	19.60	19.58	19.49	
10	256QAM	25	0	19.22	19.28	19.37	20.7
10	256QAM	25	12	19.27	19.33	19.41	
10	256QAM	25	25	19.39	19.33	19.28	
10	256QAM	50	0	19.37	19.35	19.33	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.89	23.89	23.93	25.7
5	QPSK	1	12	23.78	23.83	23.85	
5	QPSK	1	24	23.91	23.89	23.86	
5	QPSK	12	0	22.86	22.89	22.95	24.7
5	QPSK	12	7	22.91	22.90	22.92	
5	QPSK	12	13	22.90	22.88	22.88	
5	QPSK	25	0	22.85	22.90	22.88	
5	16QAM	1	0	23.16	23.15	23.27	24.7
5	16QAM	1	12	23.17	23.14	23.21	
5	16QAM	1	24	23.17	23.16	23.17	
5	16QAM	12	0	21.89	21.90	21.98	23.7
5	16QAM	12	7	21.95	21.98	21.97	
5	16QAM	12	13	21.99	21.99	22.00	
5	16QAM	25	0	21.97	21.99	22.01	
5	64QAM	1	0	22.18	22.12	22.27	23.7
5	64QAM	1	12	22.22	22.15	22.19	
5	64QAM	1	24	22.17	22.13	22.12	
5	64QAM	12	0	20.98	20.96	21.07	22.7
5	64QAM	12	7	21.00	21.03	21.02	
5	64QAM	12	13	21.06	21.04	21.00	
5	64QAM	25	0	21.03	21.05	21.06	
5	256QAM	1	0	19.26	19.34	19.33	20.7
5	256QAM	1	12	19.56	19.39	19.46	
5	256QAM	1	24	19.68	19.59	19.49	
5	256QAM	12	0	19.27	19.28	19.32	20.7
5	256QAM	12	7	19.37	19.39	19.35	
5	256QAM	12	13	19.38	19.35	19.32	
5	256QAM	25	0	19.37	19.32	19.31	



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Channel				19965	20175	20385	Tune-up limit (dBm)	
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.10	24.15	24.10	25.7	
3	QPSK	1	8	24.05	24.06	24.06		
3	QPSK	1	14	24.17	24.17	24.14		
3	QPSK	8	0	23.14	23.13	23.15	24.7	
3	QPSK	8	4	23.16	23.15	23.12		
3	QPSK	8	7	23.17	23.16	23.15		
3	QPSK	15	0	23.17	23.16	23.16	24.7	
3	16QAM	1	0	23.47	23.48	23.55		
3	16QAM	1	8	23.34	23.34	23.39		
3	16QAM	1	14	23.45	23.41	23.44	23.7	
3	16QAM	8	0	22.18	22.23	22.23		
3	16QAM	8	4	22.25	22.29	22.32		
3	16QAM	8	7	22.32	22.31	22.31	23.7	
3	16QAM	15	0	22.26	22.26	22.25		
3	64QAM	1	0	22.32	22.38	22.37		
3	64QAM	1	8	22.33	22.28	22.29	23.7	
3	64QAM	1	14	22.36	22.36	22.36		
3	64QAM	8	0	21.21	21.28	21.32		
3	64QAM	8	4	21.31	21.30	21.35	22.7	
3	64QAM	8	7	21.35	21.33	21.32		
3	64QAM	15	0	21.32	21.31	21.37		
3	256QAM	1	0	19.30	19.33	19.30	20.7	
3	256QAM	1	8	19.47	19.43	19.46		
3	256QAM	1	14	19.60	19.62	19.54		
3	256QAM	8	0	19.28	19.31	19.32	20.7	
3	256QAM	8	4	19.27	19.40	19.37		
3	256QAM	8	7	19.41	19.38	19.29		
3	256QAM	15	0	19.35	19.40	19.36	20.7	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.05	24.06	24.03	25.7	
1.4	QPSK	1	3	23.97	23.95	23.93		
1.4	QPSK	1	5	24.05	24.05	24.02		
1.4	QPSK	3	0	23.99	23.96	23.96	24.7	
1.4	QPSK	3	1	24.08	24.10	24.06		
1.4	QPSK	3	3	24.05	24.05	24.00		
1.4	QPSK	6	0	23.05	23.01	23.01	24.7	
1.4	16QAM	1	0	23.38	23.34	23.33		
1.4	16QAM	1	3	23.23	23.20	23.24		
1.4	16QAM	1	5	23.34	23.30	23.33	24.7	
1.4	16QAM	3	0	23.16	23.14	23.15		
1.4	16QAM	3	1	23.14	23.08	23.15		
1.4	16QAM	3	3	23.08	23.03	23.05	23.7	
1.4	16QAM	6	0	22.09	22.07	22.07		
1.4	64QAM	1	0	22.21	22.16	22.18		
1.4	64QAM	1	3	22.13	22.11	22.11	23.7	
1.4	64QAM	1	5	22.17	22.14	22.19		
1.4	64QAM	3	0	22.11	22.10	22.12		
1.4	64QAM	3	1	22.10	22.11	22.15	22.7	
1.4	64QAM	3	3	22.09	22.07	22.12		
1.4	64QAM	6	0	20.98	20.95	20.98		
1.4	256QAM	1	0	19.32	19.27	19.31	20.7	
1.4	256QAM	1	3	19.48	19.36	19.47		
1.4	256QAM	1	5	19.62	19.62	19.49		
1.4	256QAM	3	0	19.25	19.25	19.37	20.7	
1.4	256QAM	3	1	19.34	19.37	19.40		
1.4	256QAM	3	3	19.35	19.36	19.29		
1.4	256QAM	6	0	19.35	19.40	19.36	20.7	



<LTE Band 4_Ant 2_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.90	24.00	24.18	25.5
20	QPSK	1	49	23.93	23.98	24.03	
20	QPSK	1	99	23.98	23.92	23.82	
20	QPSK	50	0	23.07	23.13	23.19	24.7
20	QPSK	50	24	23.12	23.13	23.14	
20	QPSK	50	50	23.13	23.10	23.02	
20	QPSK	100	0	23.10	23.11	23.11	24.7
20	16QAM	1	0	23.15	23.26	23.43	
20	16QAM	1	49	23.25	23.25	23.31	
20	16QAM	1	99	23.29	23.18	23.13	23.7
20	16QAM	50	0	22.05	22.10	22.18	
20	16QAM	50	24	22.09	22.10	22.11	
20	16QAM	50	50	22.11	22.05	22.01	23.7
20	16QAM	100	0	22.04	22.07	22.08	
20	64QAM	1	0	22.15	22.18	22.32	
20	64QAM	1	49	22.26	22.23	22.24	23.7
20	64QAM	1	99	22.29	22.26	22.11	
20	64QAM	50	0	21.16	21.22	21.30	
20	64QAM	50	24	21.20	21.19	21.23	22.7
20	64QAM	50	50	21.22	21.16	21.11	
20	64QAM	100	0	21.16	21.16	21.18	
20	256QAM	1	0	19.43	19.45	19.47	20.7
20	256QAM	1	49	19.67	19.54	19.65	
20	256QAM	1	99	19.79	19.73	19.67	
20	256QAM	50	0	19.38	19.44	19.51	20.7
20	256QAM	50	24	19.47	19.50	19.53	
20	256QAM	50	50	19.52	19.52	19.46	
20	256QAM	100	0	19.51	19.51	19.51	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.10	24.12	24.10	25.5
15	QPSK	1	37	24.15	24.11	24.17	
15	QPSK	1	74	24.10	24.08	24.00	
15	QPSK	36	0	23.21	23.26	23.36	24.7
15	QPSK	36	20	23.23	23.24	23.27	
15	QPSK	36	39	23.26	23.23	23.20	
15	QPSK	75	0	23.24	23.28	23.30	24.7
15	16QAM	1	0	23.47	23.50	23.68	
15	16QAM	1	37	23.48	23.49	23.50	
15	16QAM	1	74	23.51	23.40	23.32	23.7
15	16QAM	36	0	22.21	22.26	22.37	
15	16QAM	36	20	22.23	22.23	22.31	
15	16QAM	36	39	22.25	22.23	22.23	23.7
15	16QAM	75	0	22.23	22.25	22.28	
15	64QAM	1	0	22.42	22.33	22.52	
15	64QAM	1	37	22.38	22.29	22.42	22.7
15	64QAM	1	74	22.40	22.28	22.22	
15	64QAM	36	0	21.21	21.25	21.36	
15	64QAM	36	20	21.23	21.23	21.30	20.7
15	64QAM	36	39	21.26	21.21	21.22	
15	64QAM	75	0	21.18	21.20	21.24	
15	256QAM	1	0	19.33	19.25	19.32	20.7
15	256QAM	1	37	19.53	19.38	19.50	
15	256QAM	1	74	19.69	19.60	19.51	
15	256QAM	36	0	19.27	19.34	19.33	20.7
15	256QAM	36	20	19.28	19.36	19.38	



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15	256QAM	36	39	19.42	19.32	19.33	
15	256QAM	75	0	19.32	19.39	19.38	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.08	24.10	24.11	25.5
10	QPSK	1	25	23.88	23.89	23.91	
10	QPSK	1	49	24.03	23.99	23.92	
10	QPSK	25	0	23.10	23.15	23.21	24.7
10	QPSK	25	12	23.13	23.14	23.15	
10	QPSK	25	25	23.15	23.13	23.10	
10	QPSK	50	0	23.13	23.15	23.16	
10	16QAM	1	0	23.33	23.33	23.42	24.7
10	16QAM	1	25	23.32	23.26	23.33	
10	16QAM	1	49	23.33	23.23	23.18	
10	16QAM	25	0	22.12	22.16	22.23	23.7
10	16QAM	25	12	22.18	22.21	22.24	
10	16QAM	25	25	22.27	22.25	22.23	
10	16QAM	50	0	22.20	22.19	22.22	
10	64QAM	1	0	22.26	22.32	22.49	23.7
10	64QAM	1	25	22.27	22.22	22.32	
10	64QAM	1	49	22.38	22.29	22.31	
10	64QAM	25	0	21.18	21.19	21.29	22.7
10	64QAM	25	12	21.22	21.25	21.30	
10	64QAM	25	25	21.30	21.28	21.27	
10	64QAM	50	0	21.29	21.30	21.33	
10	256QAM	1	0	19.23	19.31	19.34	20.7
10	256QAM	1	25	19.57	19.39	19.47	
10	256QAM	1	49	19.60	19.58	19.49	
10	256QAM	25	0	19.22	19.28	19.37	20.7
10	256QAM	25	12	19.27	19.33	19.41	
10	256QAM	25	25	19.39	19.33	19.28	
10	256QAM	50	0	19.37	19.35	19.33	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.89	23.89	23.93	25.5
5	QPSK	1	12	23.78	23.83	23.85	
5	QPSK	1	24	23.91	23.89	23.86	
5	QPSK	12	0	22.86	22.89	22.95	24.7
5	QPSK	12	7	22.91	22.90	22.92	
5	QPSK	12	13	22.90	22.88	22.88	
5	QPSK	25	0	22.85	22.90	22.88	
5	16QAM	1	0	23.16	23.15	23.27	24.7
5	16QAM	1	12	23.17	23.14	23.21	
5	16QAM	1	24	23.17	23.16	23.17	
5	16QAM	12	0	21.89	21.90	21.98	23.7
5	16QAM	12	7	21.95	21.98	21.97	
5	16QAM	12	13	21.99	21.99	22.00	
5	16QAM	25	0	21.97	21.99	22.01	
5	64QAM	1	0	22.18	22.12	22.27	23.7
5	64QAM	1	12	22.22	22.15	22.19	
5	64QAM	1	24	22.17	22.13	22.12	
5	64QAM	12	0	20.98	20.96	21.07	22.7
5	64QAM	12	7	21.00	21.03	21.02	
5	64QAM	12	13	21.06	21.04	21.00	
5	64QAM	25	0	21.03	21.05	21.06	
5	256QAM	1	0	19.26	19.34	19.33	20.7
5	256QAM	1	12	19.56	19.39	19.46	
5	256QAM	1	24	19.68	19.59	19.49	
5	256QAM	12	0	19.27	19.28	19.32	20.7
5	256QAM	12	7	19.37	19.39	19.35	
5	256QAM	12	13	19.38	19.35	19.32	
5	256QAM	25	0	19.37	19.32	19.31	



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Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.10	24.15	24.10	25.5
3	QPSK	1	8	24.05	24.06	24.06	
3	QPSK	1	14	24.17	24.17	24.14	
3	QPSK	8	0	23.14	23.13	23.15	24.7
3	QPSK	8	4	23.16	23.15	23.12	
3	QPSK	8	7	23.17	23.16	23.15	
3	QPSK	15	0	23.17	23.16	23.16	
3	16QAM	1	0	23.47	23.48	23.55	24.7
3	16QAM	1	8	23.34	23.34	23.39	
3	16QAM	1	14	23.45	23.41	23.44	
3	16QAM	8	0	22.18	22.23	22.23	23.7
3	16QAM	8	4	22.25	22.29	22.32	
3	16QAM	8	7	22.32	22.31	22.31	
3	16QAM	15	0	22.26	22.26	22.25	
3	64QAM	1	0	22.32	22.38	22.37	23.7
3	64QAM	1	8	22.33	22.28	22.29	
3	64QAM	1	14	22.36	22.36	22.36	
3	64QAM	8	0	21.21	21.28	21.32	22.7
3	64QAM	8	4	21.31	21.30	21.35	
3	64QAM	8	7	21.35	21.33	21.32	
3	64QAM	15	0	21.32	21.31	21.37	
3	256QAM	1	0	19.30	19.33	19.30	20.7
3	256QAM	1	8	19.47	19.43	19.46	
3	256QAM	1	14	19.60	19.62	19.54	
3	256QAM	8	0	19.28	19.31	19.32	20.7
3	256QAM	8	4	19.27	19.40	19.37	
3	256QAM	8	7	19.41	19.38	19.29	
3	256QAM	15	0	19.35	19.40	19.36	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.05	24.06	24.03	25.5
1.4	QPSK	1	3	23.97	23.95	23.93	
1.4	QPSK	1	5	24.05	24.05	24.02	
1.4	QPSK	3	0	23.99	23.96	23.96	
1.4	QPSK	3	1	24.08	24.10	24.06	
1.4	QPSK	3	3	24.05	24.05	24.00	
1.4	QPSK	6	0	23.05	23.01	23.01	24.7
1.4	16QAM	1	0	23.38	23.34	23.33	24.7
1.4	16QAM	1	3	23.23	23.20	23.24	
1.4	16QAM	1	5	23.34	23.30	23.33	
1.4	16QAM	3	0	23.16	23.14	23.15	
1.4	16QAM	3	1	23.14	23.08	23.15	
1.4	16QAM	3	3	23.08	23.03	23.05	
1.4	16QAM	6	0	22.09	22.07	22.07	23.7
1.4	64QAM	1	0	22.21	22.16	22.18	23.7
1.4	64QAM	1	3	22.13	22.11	22.11	
1.4	64QAM	1	5	22.17	22.14	22.19	
1.4	64QAM	3	0	22.11	22.10	22.12	
1.4	64QAM	3	1	22.10	22.11	22.15	
1.4	64QAM	3	3	22.09	22.07	22.12	
1.4	64QAM	6	0	20.98	20.95	20.98	22.7
1.4	256QAM	1	0	19.32	19.27	19.31	20.7
1.4	256QAM	1	3	19.48	19.36	19.47	
1.4	256QAM	1	5	19.62	19.62	19.49	
1.4	256QAM	3	0	19.25	19.25	19.37	
1.4	256QAM	3	1	19.34	19.37	19.40	
1.4	256QAM	3	3	19.35	19.36	19.29	
1.4	256QAM	6	0	19.35	19.40	19.36	20.7



<LTE Band 4_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.90	22.94	23.10	23.4
20	QPSK	1	49	23.02	22.98	22.98	
20	QPSK	1	99	22.97	22.85	22.90	
20	QPSK	50	0	22.91	22.94	23.00	23.4
20	QPSK	50	24	22.95	22.94	22.92	
20	QPSK	50	50	22.97	22.88	22.82	
20	QPSK	100	0	22.94	22.91	22.90	23.4
20	16QAM	1	0	22.98	22.91	23.05	
20	16QAM	1	49	22.86	22.72	22.90	
20	16QAM	1	99	22.96	22.80	22.74	23.4
20	16QAM	50	0	22.20	22.19	22.30	
20	16QAM	50	24	22.22	22.19	22.23	
20	16QAM	50	50	22.24	22.18	22.17	23.4
20	16QAM	100	0	22.20	22.17	22.26	
20	64QAM	1	0	22.33	22.36	22.51	
20	64QAM	1	49	22.37	22.31	22.47	23.4
20	64QAM	1	99	22.34	22.18	22.29	
20	64QAM	50	0	21.21	21.31	21.40	
20	64QAM	50	24	21.32	21.31	21.35	22.7
20	64QAM	50	50	21.33	21.26	21.23	
20	64QAM	100	0	21.27	21.25	21.31	
20	256QAM	1	0	19.41	19.42	19.40	20.7
20	256QAM	1	49	19.59	19.47	19.58	
20	256QAM	1	99	19.77	19.73	19.67	
20	256QAM	50	0	19.37	19.42	19.44	20.7
20	256QAM	50	24	19.47	19.41	19.43	
20	256QAM	50	50	19.44	19.45	19.42	
20	256QAM	100	0	19.49	19.46	19.41	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.81	22.93	23.08	23.4
15	QPSK	1	37	22.97	22.88	22.92	
15	QPSK	1	74	22.87	22.85	22.82	
15	QPSK	36	0	22.81	22.85	23.00	23.4
15	QPSK	36	20	22.93	22.92	22.89	
15	QPSK	36	39	22.88	22.88	22.81	
15	QPSK	75	0	22.93	22.81	22.85	23.4
15	16QAM	1	0	22.88	22.89	22.99	
15	16QAM	1	37	22.76	22.69	22.82	
15	16QAM	1	74	22.94	22.73	22.73	23.4
15	16QAM	36	0	22.12	22.13	22.29	
15	16QAM	36	20	22.17	22.15	22.19	
15	16QAM	36	39	22.19	22.18	22.15	23.4
15	16QAM	75	0	22.20	22.16	22.22	
15	64QAM	1	0	22.23	22.35	22.47	
15	64QAM	1	37	22.28	22.28	22.38	23.4
15	64QAM	1	74	22.33	22.12	22.28	
15	64QAM	36	0	21.13	21.28	21.37	
15	64QAM	36	20	21.28	21.27	21.35	22.7
15	64QAM	36	39	21.32	21.24	21.14	
15	64QAM	75	0	21.26	21.19	21.24	
15	256QAM	1	0	19.40	19.32	19.37	20.7
15	256QAM	1	37	19.51	19.45	19.55	
15	256QAM	1	74	19.72	19.63	19.64	
15	256QAM	36	0	19.29	19.41	19.39	20.7
15	256QAM	36	20	19.43	19.38	19.35	
15	256QAM	36	39	19.43	19.41	19.36	



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15	256QAM	75	0	19.46	19.38	19.36	Tune-up limit (dBm)
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.88	22.85	23.07	23.4
10	QPSK	1	25	22.97	22.89	22.98	
10	QPSK	1	49	22.89	22.84	22.82	
10	QPSK	25	0	22.84	22.88	22.96	23.4
10	QPSK	25	12	22.85	22.86	22.85	
10	QPSK	25	25	22.87	22.86	22.76	
10	QPSK	50	0	22.88	22.91	22.88	
10	16QAM	1	0	22.96	22.88	23.05	23.4
10	16QAM	1	25	22.76	22.66	22.83	
10	16QAM	1	49	22.96	22.76	22.66	
10	16QAM	25	0	22.19	22.19	22.21	23.4
10	16QAM	25	12	22.20	22.12	22.20	
10	16QAM	25	25	22.18	22.11	22.08	
10	16QAM	50	0	22.16	22.17	22.16	
10	64QAM	1	0	22.24	22.32	22.47	23.4
10	64QAM	1	25	22.34	22.23	22.45	
10	64QAM	1	49	22.25	22.17	22.20	
10	64QAM	25	0	21.19	21.24	21.31	22.7
10	64QAM	25	12	21.32	21.23	21.26	
10	64QAM	25	25	21.23	21.18	21.22	
10	64QAM	50	0	21.24	21.20	21.31	
10	256QAM	1	0	19.37	19.39	19.40	20.7
10	256QAM	1	25	19.49	19.40	19.50	
10	256QAM	1	49	19.71	19.66	19.60	
10	256QAM	25	0	19.37	19.38	19.39	20.7
10	256QAM	25	12	19.46	19.40	19.36	
10	256QAM	25	25	19.37	19.44	19.37	
10	256QAM	50	0	19.47	19.42	19.36	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.88	22.85	23.01	23.4
5	QPSK	1	12	22.97	22.90	22.96	
5	QPSK	1	24	22.93	22.85	22.86	
5	QPSK	12	0	22.86	22.92	23.00	23.4
5	QPSK	12	7	22.94	22.84	22.86	
5	QPSK	12	13	22.92	22.81	22.79	
5	QPSK	25	0	22.85	22.84	22.90	
5	16QAM	1	0	22.88	22.87	22.98	23.4
5	16QAM	1	12	22.84	22.66	22.83	
5	16QAM	1	24	22.91	22.70	22.66	
5	16QAM	12	0	22.13	22.16	22.26	23.4
5	16QAM	12	7	22.22	22.13	22.15	
5	16QAM	12	13	22.21	22.09	22.17	
5	16QAM	25	0	22.13	22.17	22.21	
5	64QAM	1	0	22.33	22.30	22.51	23.4
5	64QAM	1	12	22.36	22.31	22.47	
5	64QAM	1	24	22.28	22.18	22.20	
5	64QAM	12	0	21.20	21.25	21.37	22.7
5	64QAM	12	7	21.32	21.23	21.34	
5	64QAM	12	13	21.24	21.18	21.19	
5	64QAM	25	0	21.20	21.19	21.30	
5	256QAM	1	0	19.36	19.39	19.33	20.7
5	256QAM	1	12	19.57	19.45	19.51	
5	256QAM	1	24	19.69	19.71	19.61	
5	256QAM	12	0	19.29	19.33	19.38	20.7
5	256QAM	12	7	19.44	19.38	19.39	
5	256QAM	12	13	19.35	19.44	19.38	
5	256QAM	25	0	19.46	19.46	19.31	



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Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.85	22.89	23.00	23.4
3	QPSK	1	8	22.99	22.89	22.89	
3	QPSK	1	14	22.96	22.83	22.87	
3	QPSK	8	0	22.82	22.90	23.00	23.4
3	QPSK	8	4	22.92	22.94	22.83	
3	QPSK	8	7	22.90	22.80	22.77	
3	QPSK	15	0	22.68	22.66	22.66	23.4
3	16QAM	1	0	22.97	22.83	23.05	
3	16QAM	1	8	22.86	22.65	22.87	
3	16QAM	1	14	22.92	22.71	22.72	23.4
3	16QAM	8	0	22.14	22.19	22.28	
3	16QAM	8	4	22.16	22.14	22.21	
3	16QAM	8	7	22.22	22.12	22.07	23.4
3	16QAM	15	0	22.14	22.11	22.21	
3	64QAM	1	0	22.28	22.33	22.42	
3	64QAM	1	8	22.29	22.27	22.38	23.4
3	64QAM	1	14	22.29	22.18	22.25	
3	64QAM	8	0	21.13	21.27	21.30	
3	64QAM	8	4	21.32	21.30	21.25	22.7
3	64QAM	8	7	21.30	21.25	21.20	
3	64QAM	15	0	21.22	21.15	21.24	
3	256QAM	1	0	19.38	19.37	19.36	20.7
3	256QAM	1	8	19.58	19.44	19.48	
3	256QAM	1	14	19.68	19.65	19.64	
3	256QAM	8	0	19.32	19.33	19.38	20.7
3	256QAM	8	4	19.44	19.38	19.41	
3	256QAM	8	7	19.39	19.36	19.40	
3	256QAM	15	0	19.48	19.40	19.34	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.83	22.87	23.09	23.4
1.4	QPSK	1	3	22.96	22.94	22.97	
1.4	QPSK	1	5	22.91	22.85	22.90	
1.4	QPSK	3	0	22.95	22.95	23.00	
1.4	QPSK	3	1	22.95	22.97	22.98	
1.4	QPSK	3	3	23.07	22.90	22.88	
1.4	QPSK	6	0	22.73	22.65	22.66	23.4
1.4	16QAM	1	0	22.95	22.90	23.03	23.4
1.4	16QAM	1	3	22.82	22.63	22.85	
1.4	16QAM	1	5	22.91	22.76	22.69	
1.4	16QAM	3	0	22.87	22.83	22.93	
1.4	16QAM	3	1	22.83	22.88	22.83	
1.4	16QAM	3	3	22.89	22.83	22.83	
1.4	16QAM	6	0	22.19	22.12	22.25	23.4
1.4	64QAM	1	0	22.31	22.33	22.48	23.4
1.4	64QAM	1	3	22.30	22.31	22.43	
1.4	64QAM	1	5	22.29	22.14	22.25	
1.4	64QAM	3	0	22.14	22.27	22.39	
1.4	64QAM	3	1	22.24	22.23	22.27	
1.4	64QAM	3	3	22.31	22.20	22.14	
1.4	64QAM	6	0	21.21	21.25	21.26	22.7
1.4	256QAM	1	0	19.41	19.41	19.36	20.7
1.4	256QAM	1	3	19.57	19.46	19.50	
1.4	256QAM	1	5	19.71	19.69	19.58	
1.4	256QAM	3	0	19.34	19.36	19.41	
1.4	256QAM	3	1	19.40	19.40	19.33	
1.4	256QAM	3	3	19.40	19.38	19.36	
1.4	256QAM	6	0	19.41	19.43	19.35	20.7



<LTE Band 4_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.40	23.44	23.50	24.2
20	QPSK	1	49	23.44	23.48	23.48	
20	QPSK	1	99	23.47	23.35	23.40	
20	QPSK	50	0	23.21	23.24	23.30	24.2
20	QPSK	50	24	23.25	23.24	23.22	
20	QPSK	50	50	23.27	23.18	23.12	
20	QPSK	100	0	23.24	23.21	23.20	24.2
20	16QAM	1	0	23.48	23.41	23.40	
20	16QAM	1	49	23.36	23.22	23.40	
20	16QAM	1	99	23.46	23.30	23.24	23.7
20	16QAM	50	0	22.20	22.19	22.30	
20	16QAM	50	24	22.22	22.19	22.23	
20	16QAM	50	50	22.24	22.18	22.17	23.7
20	16QAM	100	0	22.20	22.17	22.26	
20	64QAM	1	0	22.33	22.36	22.51	
20	64QAM	1	49	22.37	22.31	22.47	22.7
20	64QAM	1	99	22.34	22.18	22.29	
20	64QAM	50	0	21.21	21.31	21.40	
20	64QAM	50	24	21.32	21.31	21.35	20.7
20	64QAM	50	50	21.33	21.26	21.23	
20	64QAM	100	0	21.27	21.25	21.31	
20	256QAM	1	0	19.41	19.42	19.40	20.7
20	256QAM	1	49	19.59	19.47	19.58	
20	256QAM	1	99	19.77	19.73	19.67	
20	256QAM	50	0	19.37	19.42	19.44	20.7
20	256QAM	50	24	19.47	19.41	19.43	
20	256QAM	50	50	19.44	19.45	19.42	
20	256QAM	100	0	19.49	19.46	19.41	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.31	23.43	23.40	24.2
15	QPSK	1	37	23.47	23.38	23.42	
15	QPSK	1	74	23.37	23.35	23.32	
15	QPSK	36	0	23.11	23.15	23.30	24.2
15	QPSK	36	20	23.23	23.22	23.19	
15	QPSK	36	39	23.18	23.18	23.11	
15	QPSK	75	0	23.23	23.11	23.15	24.2
15	16QAM	1	0	23.38	23.39	23.49	
15	16QAM	1	37	23.26	23.19	23.32	
15	16QAM	1	74	23.44	23.23	23.23	23.7
15	16QAM	36	0	22.12	22.13	22.29	
15	16QAM	36	20	22.17	22.15	22.19	
15	16QAM	36	39	22.19	22.18	22.15	23.7
15	16QAM	75	0	22.20	22.16	22.22	
15	64QAM	1	0	22.23	22.35	22.47	
15	64QAM	1	37	22.28	22.28	22.38	22.7
15	64QAM	1	74	22.33	22.12	22.28	
15	64QAM	36	0	21.13	21.28	21.37	
15	64QAM	36	20	21.28	21.27	21.35	20.7
15	64QAM	36	39	21.32	21.24	21.14	
15	64QAM	75	0	21.26	21.19	21.24	
15	256QAM	1	0	19.40	19.32	19.37	20.7
15	256QAM	1	37	19.51	19.45	19.55	
15	256QAM	1	74	19.72	19.63	19.64	
15	256QAM	36	0	19.29	19.41	19.39	20.7
15	256QAM	36	20	19.43	19.38	19.35	



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15	256QAM	36	39	19.43	19.41	19.36	
15	256QAM	75	0	19.46	19.38	19.36	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.38	23.35	23.40	24.2
10	QPSK	1	25	23.47	23.39	23.48	
10	QPSK	1	49	23.39	23.34	23.32	
10	QPSK	25	0	23.14	23.18	23.26	24.2
10	QPSK	25	12	23.15	23.16	23.15	
10	QPSK	25	25	23.17	23.16	23.06	
10	QPSK	50	0	23.18	23.21	23.18	
10	16QAM	1	0	23.46	23.38	23.40	
10	16QAM	1	25	23.26	23.16	23.33	24.2
10	16QAM	1	49	23.46	23.26	23.16	
10	16QAM	25	0	22.19	22.19	22.21	23.7
10	16QAM	25	12	22.20	22.12	22.20	
10	16QAM	25	25	22.18	22.11	22.08	
10	16QAM	50	0	22.16	22.17	22.16	
10	64QAM	1	0	22.24	22.32	22.47	
10	64QAM	1	25	22.34	22.23	22.45	23.7
10	64QAM	1	49	22.25	22.17	22.20	
10	64QAM	25	0	21.19	21.24	21.31	
10	64QAM	25	12	21.32	21.23	21.26	22.7
10	64QAM	25	25	21.23	21.18	21.22	
10	64QAM	50	0	21.24	21.20	21.31	
10	256QAM	1	0	19.37	19.39	19.40	
10	256QAM	1	25	19.49	19.40	19.50	20.7
10	256QAM	1	49	19.71	19.66	19.60	
10	256QAM	25	0	19.37	19.38	19.39	
10	256QAM	25	12	19.46	19.40	19.36	20.7
10	256QAM	25	25	19.37	19.44	19.37	
10	256QAM	25	0	19.47	19.42	19.36	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.38	23.35	23.40	24.2
5	QPSK	1	12	23.47	23.40	23.46	
5	QPSK	1	24	23.43	23.35	23.36	
5	QPSK	12	0	23.16	23.22	23.30	24.2
5	QPSK	12	7	23.24	23.14	23.16	
5	QPSK	12	13	23.22	23.11	23.09	
5	QPSK	25	0	23.15	23.14	23.20	
5	16QAM	1	0	23.38	23.37	23.48	
5	16QAM	1	12	23.34	23.16	23.33	24.2
5	16QAM	1	24	23.41	23.20	23.16	
5	16QAM	12	0	22.13	22.16	22.26	
5	16QAM	12	7	22.22	22.13	22.15	23.7
5	16QAM	12	13	22.21	22.09	22.17	
5	16QAM	25	0	22.13	22.17	22.21	
5	64QAM	1	0	22.33	22.30	22.51	
5	64QAM	1	12	22.36	22.31	22.47	23.7
5	64QAM	1	24	22.28	22.18	22.20	
5	64QAM	12	0	21.20	21.25	21.37	22.7
5	64QAM	12	7	21.32	21.23	21.34	
5	64QAM	12	13	21.24	21.18	21.19	
5	64QAM	25	0	21.20	21.19	21.30	
5	256QAM	1	0	19.36	19.39	19.33	20.7
5	256QAM	1	12	19.57	19.45	19.51	
5	256QAM	1	24	19.69	19.71	19.61	
5	256QAM	12	0	19.29	19.33	19.38	20.7
5	256QAM	12	7	19.44	19.38	19.39	
5	256QAM	12	13	19.35	19.44	19.38	
5	256QAM	25	0	19.46	19.46	19.31	



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Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.35	23.39	23.40	24.2
3	QPSK	1	8	23.49	23.39	23.39	
3	QPSK	1	14	23.46	23.33	23.37	
3	QPSK	8	0	23.12	23.20	23.30	24.2
3	QPSK	8	4	23.22	23.24	23.13	
3	QPSK	8	7	23.20	23.10	23.07	
3	QPSK	15	0	23.18	23.16	23.16	24.2
3	16QAM	1	0	23.47	23.33	23.40	
3	16QAM	1	8	23.36	23.15	23.37	
3	16QAM	1	14	23.42	23.21	23.22	23.7
3	16QAM	8	0	22.14	22.19	22.28	
3	16QAM	8	4	22.16	22.14	22.21	
3	16QAM	8	7	22.22	22.12	22.07	23.7
3	16QAM	15	0	22.14	22.11	22.21	
3	64QAM	1	0	22.28	22.33	22.42	
3	64QAM	1	8	22.29	22.27	22.38	23.7
3	64QAM	1	14	22.29	22.18	22.25	
3	64QAM	8	0	21.13	21.27	21.30	
3	64QAM	8	4	21.32	21.30	21.25	22.7
3	64QAM	8	7	21.30	21.25	21.20	
3	64QAM	15	0	21.22	21.15	21.24	
3	256QAM	1	0	19.38	19.37	19.36	20.7
3	256QAM	1	8	19.58	19.44	19.48	
3	256QAM	1	14	19.68	19.65	19.64	
3	256QAM	8	0	19.32	19.33	19.38	20.7
3	256QAM	8	4	19.44	19.38	19.41	
3	256QAM	8	7	19.39	19.36	19.40	
3	256QAM	15	0	19.48	19.40	19.34	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.33	23.37	23.40	24.2
1.4	QPSK	1	3	23.46	23.44	23.47	
1.4	QPSK	1	5	23.41	23.35	23.40	
1.4	QPSK	3	0	23.45	23.45	23.40	24.2
1.4	QPSK	3	1	23.45	23.47	23.48	
1.4	QPSK	3	3	23.40	23.40	23.38	
1.4	QPSK	6	0	23.23	23.15	23.16	24.2
1.4	16QAM	1	0	23.45	23.40	23.40	24.2
1.4	16QAM	1	3	23.32	23.13	23.35	
1.4	16QAM	1	5	23.41	23.26	23.19	
1.4	16QAM	3	0	23.17	23.13	23.23	24.2
1.4	16QAM	3	1	23.13	23.18	23.13	
1.4	16QAM	3	3	23.19	23.13	23.13	
1.4	16QAM	6	0	22.19	22.12	22.25	23.7
1.4	64QAM	1	0	22.31	22.33	22.48	23.7
1.4	64QAM	1	3	22.30	22.31	22.43	
1.4	64QAM	1	5	22.29	22.14	22.25	
1.4	64QAM	3	0	22.14	22.27	22.39	23.7
1.4	64QAM	3	1	22.24	22.23	22.27	
1.4	64QAM	3	3	22.31	22.20	22.14	
1.4	64QAM	6	0	21.21	21.25	21.26	22.7
1.4	256QAM	1	0	19.41	19.41	19.36	20.7
1.4	256QAM	1	3	19.57	19.46	19.50	
1.4	256QAM	1	5	19.71	19.69	19.58	
1.4	256QAM	3	0	19.34	19.36	19.41	20.7
1.4	256QAM	3	1	19.40	19.40	19.33	
1.4	256QAM	3	3	19.40	19.38	19.36	
1.4	256QAM	6	0	19.41	19.43	19.35	20.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.78	22.84	22.81	23.4
20	QPSK	1	49	22.71	22.67	22.79	
20	QPSK	1	99	22.84	22.85	22.81	
20	QPSK	50	0	22.87	22.68	22.84	23.4
20	QPSK	50	24	22.77	22.81	22.82	
20	QPSK	50	50	22.64	22.80	22.75	
20	QPSK	100	0	22.72	22.82	22.77	
20	16QAM	1	0	22.79	22.75	22.90	23.4
20	16QAM	1	49	22.77	22.69	22.58	
20	16QAM	1	99	22.89	22.85	22.69	
20	16QAM	50	0	22.44	22.47	22.67	23.4
20	16QAM	50	24	22.43	22.61	22.36	
20	16QAM	50	50	22.57	22.44	22.44	
20	16QAM	100	0	22.38	22.42	22.46	
20	64QAM	1	0	22.56	22.67	23.06	23.4
20	64QAM	1	49	22.77	22.61	22.59	
20	64QAM	1	99	22.74	22.44	22.33	
20	64QAM	50	0	21.47	21.48	21.57	22.7
20	64QAM	50	24	21.48	21.56	21.46	
20	64QAM	50	50	21.53	21.48	21.34	
20	64QAM	100	0	21.62	21.65	21.46	
20	256QAM	1	0	19.56	19.57	19.82	20.7
20	256QAM	1	49	19.64	19.35	19.59	
20	256QAM	1	99	19.49	19.38	19.50	
20	256QAM	50	0	19.29	19.52	19.44	20.7
20	256QAM	50	24	19.15	19.27	19.47	
20	256QAM	50	50	19.48	19.29	19.29	
20	256QAM	100	0	19.39	19.38	19.29	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.73	22.76	22.79	23.4
15	QPSK	1	37	22.70	22.83	22.71	
15	QPSK	1	74	22.80	22.78	22.80	
15	QPSK	36	0	22.90	22.77	22.70	23.4
15	QPSK	36	20	22.81	22.83	22.72	
15	QPSK	36	39	22.77	22.65	22.76	
15	QPSK	75	0	22.75	22.75	22.62	
15	16QAM	1	0	22.96	22.72	22.81	23.4
15	16QAM	1	37	22.75	22.82	22.85	
15	16QAM	1	74	22.79	22.77	22.70	
15	16QAM	36	0	22.44	22.47	22.58	23.4
15	16QAM	36	20	22.60	22.37	22.50	
15	16QAM	36	39	22.54	22.28	22.23	
15	16QAM	75	0	22.27	22.37	22.47	
15	64QAM	1	0	22.50	22.78	22.88	23.4
15	64QAM	1	37	22.74	22.50	22.58	
15	64QAM	1	74	22.63	22.43	22.26	
15	64QAM	36	0	21.52	21.76	21.52	22.7
15	64QAM	36	20	21.61	21.52	21.47	
15	64QAM	36	39	21.57	21.38	21.25	
15	64QAM	75	0	21.45	21.37	21.43	
15	256QAM	1	0	19.31	19.56	19.67	20.7
15	256QAM	1	37	19.61	19.43	19.48	
15	256QAM	1	74	19.49	19.38	19.47	
15	256QAM	36	0	19.25	19.47	19.38	20.7
15	256QAM	36	20	19.11	19.18	19.33	



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15	256QAM	36	39	19.40	19.20	19.24	
15	256QAM	75	0	19.26	19.54	19.35	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.89	22.71	22.87	23.4
10	QPSK	1	25	22.84	22.78	22.78	
10	QPSK	1	49	22.67	22.91	22.84	
10	QPSK	25	0	22.80	22.82	22.78	23.4
10	QPSK	25	12	22.72	22.74	22.72	
10	QPSK	25	25	22.86	22.65	22.78	
10	QPSK	50	0	22.67	22.60	22.74	
10	16QAM	1	0	22.85	22.72	22.72	
10	16QAM	1	25	22.63	22.88	22.82	23.4
10	16QAM	1	49	22.80	22.84	22.67	
10	16QAM	25	0	22.33	22.52	22.62	23.4
10	16QAM	25	12	22.43	22.55	22.45	
10	16QAM	25	25	22.49	22.51	22.27	
10	16QAM	50	0	22.55	22.48	22.33	
10	64QAM	1	0	22.35	22.78	22.89	
10	64QAM	1	25	22.78	22.54	22.52	23.4
10	64QAM	1	49	22.68	22.42	22.34	
10	64QAM	25	0	21.52	21.59	21.70	
10	64QAM	25	12	21.43	21.40	21.54	22.7
10	64QAM	25	25	21.55	21.27	21.33	
10	64QAM	50	0	21.40	21.52	21.58	
10	256QAM	1	0	19.52	19.55	19.80	
10	256QAM	1	25	19.73	19.46	19.49	20.7
10	256QAM	1	49	19.43	19.21	19.34	
10	256QAM	25	0	19.18	19.44	19.42	
10	256QAM	25	12	19.26	19.28	19.25	20.7
10	256QAM	25	25	19.51	19.23	19.31	
10	256QAM	50	0	19.34	19.47	19.43	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.88	22.97	22.89	23.4
5	QPSK	1	12	22.92	22.95	22.94	
5	QPSK	1	24	22.82	22.83	22.80	
5	QPSK	12	0	22.93	22.92	22.75	23.4
5	QPSK	12	7	22.87	22.81	22.74	
5	QPSK	12	13	22.77	22.66	22.79	
5	QPSK	25	0	22.76	22.81	22.80	
5	16QAM	1	0	22.78	22.84	22.76	
5	16QAM	1	12	22.78	22.79	22.87	23.4
5	16QAM	1	24	22.77	22.64	22.69	
5	16QAM	12	0	22.46	22.43	22.55	
5	16QAM	12	7	22.50	22.52	22.57	23.4
5	16QAM	12	13	22.51	22.47	22.22	
5	16QAM	25	0	22.54	22.38	22.33	
5	64QAM	1	0	22.66	22.68	22.92	
5	64QAM	1	12	22.76	22.71	22.58	23.4
5	64QAM	1	24	22.71	22.41	22.46	
5	64QAM	12	0	21.47	21.70	21.73	
5	64QAM	12	7	21.64	21.61	21.60	22.7
5	64QAM	12	13	21.49	21.33	21.27	
5	64QAM	25	0	21.42	21.57	21.43	
5	256QAM	1	0	19.55	19.58	19.84	
5	256QAM	1	12	19.69	19.42	19.60	20.7
5	256QAM	1	24	19.63	19.38	19.52	
5	256QAM	12	0	19.29	19.45	19.52	
5	256QAM	12	7	19.38	19.37	19.48	20.7
5	256QAM	12	13	19.50	19.33	19.45	
5	256QAM	25	0	19.42	19.35	19.40	



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Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.96	22.92	22.93	23.4
3	QPSK	1	8	22.79	22.89	22.88	
3	QPSK	1	14	22.73	22.76	22.90	
3	QPSK	8	0	22.75	22.80	22.82	23.4
3	QPSK	8	4	22.76	22.89	22.64	
3	QPSK	8	7	22.67	22.75	22.63	
3	QPSK	15	0	22.83	22.78	22.77	23.4
3	16QAM	1	0	22.86	22.90	22.77	
3	16QAM	1	8	22.64	22.68	22.83	
3	16QAM	1	14	22.83	22.85	22.75	23.4
3	16QAM	8	0	22.43	22.69	22.64	
3	16QAM	8	4	22.47	22.62	22.56	
3	16QAM	8	7	22.58	22.34	22.34	23.4
3	16QAM	15	0	22.39	22.54	22.54	
3	64QAM	1	0	22.70	22.77	23.05	
3	64QAM	1	8	22.78	22.63	22.66	23.4
3	64QAM	1	14	22.72	22.36	22.50	
3	64QAM	8	0	21.47	21.64	21.61	
3	64QAM	8	4	21.59	21.65	21.68	22.7
3	64QAM	8	7	21.62	21.41	21.25	
3	64QAM	15	0	21.50	21.59	21.51	
3	256QAM	1	0	19.49	19.46	19.80	20.7
3	256QAM	1	8	19.69	19.39	19.69	
3	256QAM	1	14	19.77	19.46	19.57	
3	256QAM	8	0	19.32	19.54	19.53	20.7
3	256QAM	8	4	19.20	19.31	19.35	
3	256QAM	8	7	19.46	19.37	19.39	
3	256QAM	15	0	19.44	19.40	19.48	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.88	22.90	22.85	23.4
1.4	QPSK	1	3	22.96	22.86	22.78	
1.4	QPSK	1	5	22.89	22.93	22.86	
1.4	QPSK	3	0	22.73	22.88	22.92	23.4
1.4	QPSK	3	1	22.75	22.90	22.98	
1.4	QPSK	3	3	22.93	22.90	22.90	
1.4	QPSK	6	0	22.88	22.83	22.67	23.4
1.4	16QAM	1	0	22.84	22.90	22.78	
1.4	16QAM	1	3	22.76	22.87	22.85	
1.4	16QAM	1	5	22.86	22.69	22.84	23.4
1.4	16QAM	3	0	22.55	22.62	22.51	
1.4	16QAM	3	1	22.56	22.54	22.38	
1.4	16QAM	3	3	22.48	22.43	22.31	23.4
1.4	16QAM	6	0	22.46	22.36	22.54	
1.4	64QAM	1	0	22.57	22.67	22.96	
1.4	64QAM	1	3	22.73	22.65	22.56	23.4
1.4	64QAM	1	5	22.68	22.38	22.39	
1.4	64QAM	3	0	22.45	22.59	22.76	
1.4	64QAM	3	1	22.52	22.69	22.55	22.7
1.4	64QAM	3	3	22.53	22.43	22.37	
1.4	64QAM	6	0	21.48	21.44	21.50	
1.4	256QAM	1	0	19.50	19.62	19.93	20.7
1.4	256QAM	1	3	19.59	19.48	19.52	
1.4	256QAM	1	5	19.59	19.30	19.42	
1.4	256QAM	3	0	19.30	19.57	19.40	20.7
1.4	256QAM	3	1	19.28	19.39	19.32	
1.4	256QAM	3	3	19.42	19.25	19.36	
1.4	256QAM	6	0	19.40	19.59	19.41	20.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.20	24.21	24.18	25.7
10	QPSK	1	25	24.03	23.97	23.93	
10	QPSK	1	49	24.06	24.05	23.96	
10	QPSK	25	0	23.30	23.31	23.22	24.7
10	QPSK	25	12	23.29	23.25	23.21	
10	QPSK	25	25	23.26	23.22	23.18	
10	QPSK	50	0	23.27	23.28	23.23	24.7
10	16QAM	1	0	23.53	23.48	23.55	
10	16QAM	1	25	23.43	23.39	23.33	
10	16QAM	1	49	23.35	23.33	23.28	23.7
10	16QAM	25	0	22.32	22.28	22.25	
10	16QAM	25	12	22.28	22.25	22.23	
10	16QAM	25	25	22.27	22.24	22.18	23.7
10	16QAM	50	0	22.24	22.19	22.18	
10	64QAM	1	0	22.44	22.38	22.35	
10	64QAM	1	25	22.30	22.28	22.30	23.7
10	64QAM	1	49	22.35	22.31	22.37	
10	64QAM	25	0	21.31	21.27	21.20	
10	64QAM	25	12	21.27	21.24	21.19	22.7
10	64QAM	25	25	21.25	21.22	21.15	
10	64QAM	50	0	21.29	21.23	21.22	
10	256QAM	1	0	19.56	19.53	19.50	20.7
10	256QAM	1	25	19.38	19.24	19.39	
10	256QAM	1	49	19.41	19.39	19.39	
10	256QAM	25	0	19.32	19.33	19.36	20.7
10	256QAM	25	12	19.24	19.26	19.31	
10	256QAM	25	25	19.23	19.18	19.16	
10	256QAM	50	0	19.32	19.31	19.25	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.07	24.01	23.98	25.7
5	QPSK	1	12	23.98	23.95	23.93	
5	QPSK	1	24	24.04	24.00	23.95	
5	QPSK	12	0	23.14	23.11	23.07	24.7
5	QPSK	12	7	23.14	23.10	23.06	
5	QPSK	12	13	23.13	23.10	23.03	
5	QPSK	25	0	23.17	23.11	23.09	24.7
5	16QAM	1	0	23.35	23.37	23.30	
5	16QAM	1	12	23.27	23.32	23.24	
5	16QAM	1	24	23.43	23.32	23.31	23.7
5	16QAM	12	0	22.15	22.13	22.11	
5	16QAM	12	7	22.18	22.15	22.10	
5	16QAM	12	13	22.17	22.11	22.08	23.7
5	16QAM	25	0	22.20	22.15	22.08	
5	64QAM	1	0	22.25	22.36	22.30	
5	64QAM	1	12	22.14	22.24	22.21	23.7
5	64QAM	1	24	22.28	22.23	22.18	
5	64QAM	12	0	21.17	21.16	21.11	
5	64QAM	12	7	21.20	21.15	21.11	22.7
5	64QAM	12	13	21.18	21.12	21.08	
5	64QAM	25	0	21.18	21.12	21.10	
5	256QAM	1	0	19.41	19.39	19.39	20.7
5	256QAM	1	12	19.28	19.11	19.25	
5	256QAM	1	24	19.27	19.24	19.26	
5	256QAM	12	0	19.18	19.23	19.21	20.7
5	256QAM	12	7	19.13	19.13	19.17	



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Report No. : FA380306C

5	256QAM	12	13	19.09	19.05	19.05	Tune-up limit (dBm)
5	256QAM	25	0	19.21	19.18	19.15	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.20	24.19	24.13	25.7
3	QPSK	1	8	24.06	24.00	23.95	
3	QPSK	1	14	24.12	24.04	24.01	
3	QPSK	8	0	23.21	23.15	23.10	24.7
3	QPSK	8	4	23.21	23.16	23.08	
3	QPSK	8	7	23.21	23.16	23.10	
3	QPSK	15	0	23.25	23.17	23.13	
3	16QAM	1	0	23.52	23.41	23.37	24.7
3	16QAM	1	8	23.39	23.33	23.27	
3	16QAM	1	14	23.51	23.43	23.36	
3	16QAM	8	0	22.26	22.17	22.13	23.7
3	16QAM	8	4	22.26	22.20	22.16	
3	16QAM	8	7	22.26	22.20	22.16	
3	16QAM	15	0	22.24	22.20	22.12	
3	64QAM	1	0	22.39	22.33	22.34	
3	64QAM	1	8	22.38	22.35	22.34	23.7
3	64QAM	1	14	22.44	22.39	22.39	
3	64QAM	8	0	21.26	21.25	21.14	
3	64QAM	8	4	21.31	21.25	21.17	22.7
3	64QAM	8	7	21.27	21.26	21.22	
3	64QAM	15	0	21.26	21.25	21.16	
3	256QAM	1	0	19.41	19.43	19.39	
3	256QAM	1	8	19.28	19.11	19.26	20.7
3	256QAM	1	14	19.30	19.24	19.25	
3	256QAM	8	0	19.17	19.23	19.22	
3	256QAM	8	4	19.14	19.13	19.19	20.7
3	256QAM	8	7	19.08	19.05	19.04	
3	256QAM	15	0	19.20	19.18	19.12	
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.11	24.09	24.00	25.7
1.4	QPSK	1	3	24.00	23.99	23.91	
1.4	QPSK	1	5	24.10	24.10	24.00	
1.4	QPSK	3	0	24.05	24.03	23.94	
1.4	QPSK	3	1	24.16	24.11	24.02	
1.4	QPSK	3	3	24.11	24.13	23.98	24.7
1.4	QPSK	6	0	23.08	23.07	22.99	
1.4	16QAM	1	0	23.35	23.39	23.31	
1.4	16QAM	1	3	23.25	23.26	23.09	24.7
1.4	16QAM	1	5	23.34	23.33	23.23	
1.4	16QAM	3	0	23.16	23.20	23.07	
1.4	16QAM	3	1	23.23	23.17	23.14	
1.4	16QAM	3	3	23.12	23.12	23.02	
1.4	16QAM	6	0	22.14	22.14	22.05	23.7
1.4	64QAM	1	0	22.24	22.25	22.16	23.7
1.4	64QAM	1	3	22.15	22.17	22.02	
1.4	64QAM	1	5	22.24	22.26	22.14	
1.4	64QAM	3	0	22.17	22.15	22.06	
1.4	64QAM	3	1	22.14	22.07	22.02	
1.4	64QAM	3	3	22.17	22.19	22.08	
1.4	64QAM	6	0	21.15	21.07	20.99	22.7
1.4	256QAM	1	0	19.43	19.39	19.36	20.7
1.4	256QAM	1	3	19.23	19.09	19.26	
1.4	256QAM	1	5	19.28	19.28	19.27	
1.4	256QAM	3	0	19.18	19.18	19.21	
1.4	256QAM	3	1	19.09	19.15	19.19	
1.4	256QAM	3	3	19.10	19.07	19.05	
1.4	256QAM	6	0	19.18	19.20	19.14	20.7



<LTE Band 5_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	19.52	19.46	19.42	21.1
10	QPSK	1	25	19.36	19.31	19.32	
10	QPSK	1	49	19.38	19.35	19.27	
10	QPSK	25	0	19.50	19.51	19.45	21.1
10	QPSK	25	12	19.48	19.49	19.44	
10	QPSK	25	25	19.46	19.47	19.39	
10	QPSK	50	0	19.46	19.47	19.43	21.1
10	16QAM	1	0	19.76	19.69	19.70	
10	16QAM	1	25	19.72	19.64	19.65	
10	16QAM	1	49	19.69	19.66	19.65	21.1
10	16QAM	25	0	19.56	19.53	19.49	
10	16QAM	25	12	19.52	19.50	19.46	
10	16QAM	25	25	19.53	19.49	19.44	21.1
10	16QAM	50	0	19.45	19.46	19.42	
10	64QAM	1	0	19.75	19.70	19.59	
10	64QAM	1	25	19.55	19.49	19.48	21.1
10	64QAM	1	49	19.69	19.57	19.45	
10	64QAM	25	0	19.52	19.51	19.48	
10	64QAM	25	12	19.48	19.45	19.45	21.1
10	64QAM	25	25	19.47	19.44	19.41	
10	64QAM	50	0	19.46	19.47	19.43	
10	256QAM	1	0	19.50	19.56	19.53	20.2
10	256QAM	1	25	19.44	19.37	19.29	
10	256QAM	1	49	19.44	19.45	19.40	
10	256QAM	25	0	19.53	19.54	19.48	20.2
10	256QAM	25	12	19.42	19.41	19.45	
10	256QAM	25	25	19.40	19.34	19.36	
10	256QAM	50	0	19.42	19.36	19.34	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.50	19.44	19.35	21.1
5	QPSK	1	12	19.29	19.23	19.32	
5	QPSK	1	24	19.28	19.32	19.22	
5	QPSK	12	0	19.44	19.42	19.39	21.1
5	QPSK	12	7	19.46	19.47	19.43	
5	QPSK	12	13	19.38	19.40	19.29	
5	QPSK	25	0	19.42	19.42	19.36	21.1
5	16QAM	1	0	19.70	19.60	19.70	
5	16QAM	1	12	19.71	19.57	19.56	
5	16QAM	1	24	19.61	19.58	19.56	21.1
5	16QAM	12	0	19.47	19.43	19.46	
5	16QAM	12	7	19.48	19.49	19.40	
5	16QAM	12	13	19.43	19.46	19.43	21.1
5	16QAM	25	0	19.36	19.44	19.37	
5	64QAM	1	0	19.72	19.66	19.53	
5	64QAM	1	12	19.55	19.43	19.46	21.1
5	64QAM	1	24	19.61	19.51	19.36	
5	64QAM	12	0	19.46	19.45	19.47	
5	64QAM	12	7	19.44	19.43	19.45	21.1
5	64QAM	12	13	19.39	19.39	19.37	
5	64QAM	25	0	19.43	19.47	19.36	
5	256QAM	1	0	19.49	19.54	19.44	20.2
5	256QAM	1	12	19.39	19.29	19.25	
5	256QAM	1	24	19.44	19.38	19.38	
5	256QAM	12	0	19.52	19.48	19.44	20.2
5	256QAM	12	7	19.40	19.36	19.39	
5	256QAM	12	13	19.36	19.33	19.33	



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Report No. : FA380306C

5	256QAM	25	0	19.35	19.28	19.31	Tune-up limit (dBm)
Channel			20415	20525	20635	21.1	
Frequency (MHz)			825.5	836.5	847.5		
3	QPSK	1	0	19.44	19.43	19.39	21.1
3	QPSK	1	8	19.31	19.29	19.27	
3	QPSK	1	14	19.37	19.25	19.20	
3	QPSK	8	0	19.40	19.44	19.42	21.1
3	QPSK	8	4	19.43	19.48	19.41	
3	QPSK	8	7	19.42	19.43	19.37	
3	QPSK	15	0	19.40	19.44	19.41	21.1
3	16QAM	1	0	19.72	19.66	19.63	
3	16QAM	1	8	19.65	19.55	19.58	
3	16QAM	1	14	19.66	19.64	19.56	21.1
3	16QAM	8	0	19.55	19.44	19.41	
3	16QAM	8	4	19.50	19.46	19.40	
3	16QAM	8	7	19.53	19.40	19.42	21.1
3	16QAM	15	0	19.44	19.46	19.38	
3	64QAM	1	0	19.72	19.72	19.52	
3	64QAM	1	8	19.50	19.45	19.43	21.1
3	64QAM	1	14	19.68	19.52	19.40	
3	64QAM	8	0	19.44	19.47	19.42	
3	64QAM	8	4	19.46	19.42	19.36	21.1
3	64QAM	8	7	19.38	19.37	19.40	
3	64QAM	15	0	19.39	19.40	19.39	
3	256QAM	1	0	19.45	19.50	19.53	20.2
3	256QAM	1	8	19.44	19.31	19.19	
3	256QAM	1	14	19.36	19.37	19.34	
3	256QAM	8	0	19.46	19.45	19.46	20.2
3	256QAM	8	4	19.40	19.32	19.36	
3	256QAM	8	7	19.35	19.31	19.28	
3	256QAM	15	0	19.34	19.33	19.31	20.2
Channel			20407	20525	20643	Tune-up limit (dBm)	
Frequency (MHz)			824.7	836.5	848.3		
1.4	QPSK	1	0	19.47	19.40	19.36	21.1
1.4	QPSK	1	3	19.29	19.30	19.24	
1.4	QPSK	1	5	19.32	19.28	19.24	
1.4	QPSK	3	0	19.47	19.41	19.41	21.1
1.4	QPSK	3	1	19.47	19.47	19.39	
1.4	QPSK	3	3	19.41	19.38	19.29	
1.4	QPSK	6	0	19.41	19.44	19.37	21.1
1.4	16QAM	1	0	19.72	19.60	19.68	
1.4	16QAM	1	3	19.70	19.54	19.58	
1.4	16QAM	1	5	19.60	19.64	19.64	21.1
1.4	16QAM	3	0	19.50	19.49	19.42	
1.4	16QAM	3	1	19.52	19.47	19.46	
1.4	16QAM	3	3	19.48	19.49	19.43	21.1
1.4	16QAM	6	0	19.42	19.39	19.32	
1.4	64QAM	1	0	19.69	19.74	19.50	
1.4	64QAM	1	3	19.49	19.48	19.40	21.1
1.4	64QAM	1	5	19.64	19.48	19.41	
1.4	64QAM	3	0	19.49	19.46	19.45	
1.4	64QAM	3	1	19.42	19.41	19.43	21.1
1.4	64QAM	3	3	19.37	19.34	19.32	
1.4	64QAM	6	0	19.41	19.46	19.36	
1.4	256QAM	1	0	19.50	19.49	19.50	20.2
1.4	256QAM	1	3	19.35	19.29	19.27	
1.4	256QAM	1	5	19.38	19.43	19.33	
1.4	256QAM	3	0	19.52	19.53	19.46	20.2
1.4	256QAM	3	1	19.40	19.34	19.41	
1.4	256QAM	3	3	19.40	19.31	19.32	
1.4	256QAM	6	0	19.33	19.28	19.32	20.2



<LTE Band 5_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	18.27	18.37	18.24	19
10	QPSK	1	25	18.22	18.24	18.30	
10	QPSK	1	49	18.30	18.25	18.24	
10	QPSK	25	0	18.37	18.40	18.38	19
10	QPSK	25	12	18.30	18.28	18.30	
10	QPSK	25	25	18.31	18.24	18.22	
10	QPSK	50	0	18.42	18.41	18.32	19
10	16QAM	1	0	18.70	18.63	18.70	
10	16QAM	1	25	18.55	18.48	18.59	
10	16QAM	1	49	18.47	18.45	18.46	19
10	16QAM	25	0	18.32	18.43	18.44	
10	16QAM	25	12	18.33	18.32	18.31	
10	16QAM	25	25	18.29	18.25	18.30	19
10	16QAM	50	0	18.38	18.32	18.33	
10	64QAM	1	0	18.61	18.51	18.75	
10	64QAM	1	25	18.38	18.45	18.46	19
10	64QAM	1	49	18.46	18.35	18.47	
10	64QAM	25	0	18.38	18.33	18.45	
10	64QAM	25	12	18.36	18.36	18.32	19
10	64QAM	25	25	18.29	18.25	18.29	
10	64QAM	50	0	18.28	18.36	18.28	
10	256QAM	1	0	18.65	18.67	18.56	19
10	256QAM	1	25	18.52	18.41	18.39	
10	256QAM	1	49	18.42	18.46	18.29	
10	256QAM	25	0	18.49	18.40	18.43	19
10	256QAM	25	12	18.44	18.38	18.38	
10	256QAM	25	25	18.38	18.36	18.26	
10	256QAM	50	0	18.40	18.47	18.41	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	18.25	18.22	18.17	19
5	QPSK	1	12	18.23	18.20	18.26	
5	QPSK	1	24	18.12	18.22	18.25	
5	QPSK	12	0	18.31	18.36	18.33	19
5	QPSK	12	7	18.31	18.24	18.25	
5	QPSK	12	13	18.26	18.24	18.26	
5	QPSK	25	0	18.37	18.33	18.31	19
5	16QAM	1	0	18.68	18.56	18.68	
5	16QAM	1	12	18.55	18.44	18.50	
5	16QAM	1	24	18.45	18.46	18.45	19
5	16QAM	12	0	18.32	18.34	18.38	
5	16QAM	12	7	18.26	18.35	18.31	
5	16QAM	12	13	18.30	18.18	18.28	19
5	16QAM	25	0	18.33	18.35	18.34	
5	64QAM	1	0	18.54	18.37	18.63	
5	64QAM	1	12	18.28	18.42	18.35	19
5	64QAM	1	24	18.45	18.33	18.48	
5	64QAM	12	0	18.38	18.28	18.36	
5	64QAM	12	7	18.18	18.29	18.37	19
5	64QAM	12	13	18.37	18.31	18.28	
5	64QAM	25	0	18.27	18.25	18.34	
5	256QAM	1	0	18.64	18.62	18.52	19
5	256QAM	1	12	18.40	18.40	18.34	
5	256QAM	1	24	18.36	18.40	18.26	
5	256QAM	12	0	18.45	18.34	18.38	19
5	256QAM	12	7	18.39	18.36	18.28	
5	256QAM	12	13	18.32	18.34	18.22	



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Report No. : FA380306C

5	256QAM	25	0	18.46	18.43	18.34	Tune-up limit (dBm)
Channel			20415	20525	20635	19	
Frequency (MHz)			825.5	836.5	847.5		
3	QPSK	1	0	18.24	18.26	18.21	19
3	QPSK	1	8	18.19	18.24	18.19	
3	QPSK	1	14	18.27	18.23	18.14	
3	QPSK	8	0	18.36	18.34	18.26	19
3	QPSK	8	4	18.24	18.24	18.33	
3	QPSK	8	7	18.23	18.29	18.17	
3	QPSK	15	0	18.32	18.21	18.30	19
3	16QAM	1	0	18.58	18.58	18.70	
3	16QAM	1	8	18.58	18.45	18.49	
3	16QAM	1	14	18.40	18.52	18.34	19
3	16QAM	8	0	18.34	18.24	18.30	
3	16QAM	8	4	18.32	18.28	18.33	
3	16QAM	8	7	18.30	18.25	18.23	19
3	16QAM	15	0	18.41	18.28	18.34	
3	64QAM	1	0	18.57	18.47	18.67	
3	64QAM	1	8	18.27	18.34	18.43	19
3	64QAM	1	14	18.38	18.32	18.41	
3	64QAM	8	0	18.39	18.37	18.38	
3	64QAM	8	4	18.38	18.30	18.33	19
3	64QAM	8	7	18.21	18.26	18.34	
3	64QAM	15	0	18.33	18.21	18.24	
3	256QAM	1	0	18.61	18.69	18.62	19
3	256QAM	1	8	18.44	18.46	18.48	
3	256QAM	1	14	18.39	18.34	18.28	
3	256QAM	8	0	18.44	18.46	18.37	19
3	256QAM	8	4	18.34	18.31	18.28	
3	256QAM	8	7	18.24	18.36	18.26	
3	256QAM	15	0	18.44	18.36	18.38	19
Channel			20407	20525	20643	Tune-up limit (dBm)	
Frequency (MHz)			824.7	836.5	848.3		
1.4	QPSK	1	0	18.18	18.34	18.27	19
1.4	QPSK	1	3	18.18	18.19	18.21	
1.4	QPSK	1	5	18.28	18.16	18.25	
1.4	QPSK	3	0	18.31	18.30	18.29	19
1.4	QPSK	3	1	18.26	18.27	18.29	
1.4	QPSK	3	3	18.29	18.20	18.22	
1.4	QPSK	6	0	18.34	18.31	18.31	19
1.4	16QAM	1	0	18.74	18.55	18.67	
1.4	16QAM	1	3	18.55	18.45	18.48	
1.4	16QAM	1	5	18.48	18.36	18.43	19
1.4	16QAM	3	0	18.32	18.33	18.38	
1.4	16QAM	3	1	18.22	18.18	18.35	
1.4	16QAM	3	3	18.35	18.30	18.31	19
1.4	16QAM	6	0	18.28	18.25	18.29	
1.4	64QAM	1	0	18.62	18.47	18.70	
1.4	64QAM	1	3	18.25	18.40	18.47	19
1.4	64QAM	1	5	18.42	18.37	18.51	
1.4	64QAM	3	0	18.37	18.32	18.41	
1.4	64QAM	3	1	18.25	18.25	18.22	19
1.4	64QAM	3	3	18.36	18.24	18.34	
1.4	64QAM	6	0	18.35	18.27	18.27	
1.4	256QAM	1	0	18.52	18.60	18.56	19
1.4	256QAM	1	3	18.47	18.33	18.38	
1.4	256QAM	1	5	18.39	18.36	18.30	
1.4	256QAM	3	0	18.52	18.28	18.50	19
1.4	256QAM	3	1	18.37	18.23	18.33	
1.4	256QAM	3	3	18.40	18.32	18.31	
1.4	256QAM	6	0	18.42	18.37	18.44	19



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.44	24.45	24.35	25.2
10	QPSK	1	25	24.28	24.18	24.18	
10	QPSK	1	49	24.30	24.22	24.18	
10	QPSK	25	0	23.44	23.43	23.37	24.2
10	QPSK	25	12	23.42	23.44	23.32	
10	QPSK	25	25	23.40	23.45	23.28	
10	QPSK	50	0	23.42	23.45	23.37	
10	16QAM	1	0	23.60	23.61	23.58	24.2
10	16QAM	1	25	23.55	23.51	23.59	
10	16QAM	1	49	23.56	23.38	23.47	
10	16QAM	25	0	22.46	22.45	22.40	23.2
10	16QAM	25	12	22.44	22.40	22.37	
10	16QAM	25	25	22.42	22.39	22.35	
10	16QAM	50	0	22.38	22.39	22.34	
10	64QAM	1	0	22.59	22.54	22.52	23.2
10	64QAM	1	25	22.45	22.33	22.55	
10	64QAM	1	49	22.51	22.43	22.52	
10	64QAM	25	0	21.43	21.42	21.38	22.2
10	64QAM	25	12	21.41	21.38	21.34	
10	64QAM	25	25	21.42	21.37	21.33	
10	64QAM	50	0	21.41	21.38	21.36	
10	256QAM	1	0	19.60	19.64	19.53	20.2
10	256QAM	1	25	19.54	19.44	19.30	
10	256QAM	1	49	19.50	19.49	19.44	
10	256QAM	25	0	19.53	19.60	19.49	20.2
10	256QAM	25	12	19.46	19.46	19.47	
10	256QAM	25	25	19.46	19.42	19.40	
10	256QAM	50	0	19.45	19.46	19.44	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.34	24.30	24.30	25.2
5	QPSK	1	12	24.33	24.28	24.25	
5	QPSK	1	24	24.33	24.24	24.20	
5	QPSK	12	0	23.42	23.39	23.37	24.2
5	QPSK	12	7	23.41	23.38	23.36	
5	QPSK	12	13	23.40	23.35	23.32	
5	QPSK	25	0	23.42	23.46	23.34	
5	16QAM	1	0	23.67	23.63	23.67	24.2
5	16QAM	1	12	23.62	23.53	23.55	
5	16QAM	1	24	23.59	23.44	23.49	
5	16QAM	12	0	22.45	22.40	22.39	23.2
5	16QAM	12	7	22.44	22.38	22.41	
5	16QAM	12	13	22.42	22.34	22.36	
5	16QAM	25	0	22.44	22.41	22.39	
5	64QAM	1	0	22.64	22.54	22.57	23.2
5	64QAM	1	12	22.59	22.47	22.49	
5	64QAM	1	24	22.64	22.44	22.43	
5	64QAM	12	0	21.48	21.37	21.37	22.2
5	64QAM	12	7	21.49	21.40	21.35	
5	64QAM	12	13	21.46	21.36	21.34	
5	64QAM	25	0	21.46	21.41	21.37	
5	256QAM	1	0	19.55	19.59	19.45	20.2
5	256QAM	1	12	19.48	19.39	19.25	
5	256QAM	1	24	19.44	19.43	19.34	
5	256QAM	12	0	19.46	19.52	19.41	20.2
5	256QAM	12	7	19.39	19.38	19.37	
5	256QAM	12	13	19.40	19.35	19.33	



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5	256QAM	25	0	19.35	19.36	19.39	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.42	24.43	24.44	25.2
3	QPSK	1	8	24.38	24.34	24.34	
3	QPSK	1	14	24.42	24.40	24.37	
3	QPSK	8	0	23.50	23.48	23.48	24.2
3	QPSK	8	4	23.52	23.48	23.47	
3	QPSK	8	7	23.56	23.46	23.44	
3	QPSK	15	0	23.54	23.48	23.49	
3	16QAM	1	0	23.80	23.79	23.92	24.2
3	16QAM	1	8	23.69	23.58	23.69	
3	16QAM	1	14	23.76	23.66	23.67	
3	16QAM	8	0	22.56	22.54	22.53	23.2
3	16QAM	8	4	22.60	22.54	22.53	
3	16QAM	8	7	22.54	22.52	22.50	
3	16QAM	15	0	22.54	22.48	22.51	
3	64QAM	1	0	22.71	22.74	22.75	23.2
3	64QAM	1	8	22.63	22.65	22.64	
3	64QAM	1	14	22.67	22.68	22.64	
3	64QAM	8	0	21.61	21.54	21.54	22.2
3	64QAM	8	4	21.61	21.54	21.52	
3	64QAM	8	7	21.60	21.49	21.47	
3	64QAM	15	0	21.59	21.55	21.51	
3	256QAM	1	0	19.50	19.54	19.43	20.2
3	256QAM	1	8	19.48	19.37	19.22	
3	256QAM	1	14	19.44	19.41	19.34	
3	256QAM	8	0	19.46	19.53	19.44	20.2
3	256QAM	8	4	19.40	19.36	19.40	
3	256QAM	8	7	19.38	19.36	19.34	
3	256QAM	15	0	19.37	19.36	19.35	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.25	24.27	24.23	25.2
1.4	QPSK	1	3	24.18	24.19	24.14	
1.4	QPSK	1	5	24.26	24.29	24.22	
1.4	QPSK	3	0	24.22	24.24	24.16	
1.4	QPSK	3	1	24.19	24.33	24.25	
1.4	QPSK	3	3	24.24	24.24	24.21	
1.4	QPSK	6	0	23.24	23.26	23.18	24.2
1.4	16QAM	1	0	23.44	23.45	23.48	24.2
1.4	16QAM	1	3	23.42	23.42	23.38	
1.4	16QAM	1	5	23.49	23.46	23.41	
1.4	16QAM	3	0	23.27	23.32	23.26	
1.4	16QAM	3	1	23.35	23.30	23.25	
1.4	16QAM	3	3	23.28	23.31	23.24	
1.4	16QAM	6	0	22.30	22.32	22.26	23.2
1.4	64QAM	1	0	22.44	22.40	22.42	23.2
1.4	64QAM	1	3	22.35	22.40	22.41	
1.4	64QAM	1	5	22.42	22.48	22.42	
1.4	64QAM	3	0	22.34	22.34	22.31	
1.4	64QAM	3	1	22.30	22.33	22.30	
1.4	64QAM	3	3	22.30	22.41	22.29	
1.4	64QAM	6	0	21.27	21.32	21.23	22.2
1.4	256QAM	1	0	19.49	19.47	19.35	20.2
1.4	256QAM	1	3	19.22	19.40	19.32	
1.4	256QAM	1	5	19.45	19.44	19.29	
1.4	256QAM	3	0	19.41	19.42	19.32	
1.4	256QAM	3	1	19.42	19.40	19.34	
1.4	256QAM	3	3	19.43	19.47	19.37	
1.4	256QAM	6	0	19.49	19.44	19.34	20.2



<LTE Band 7_Ant 0_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	24.27	24.00	24.26	
20	QPSK	1	49	24.21	24.17	24.19	
20	QPSK	1	99	24.25	24.23	24.19	
20	QPSK	50	0	23.26	23.24	23.25	24.2
20	QPSK	50	24	23.16	23.16	23.15	
20	QPSK	50	50	23.22	23.18	23.20	
20	QPSK	100	0	23.20	23.13	23.18	24.2
20	16QAM	1	0	23.52	23.38	23.49	
20	16QAM	1	49	23.55	23.54	23.50	
20	16QAM	1	99	23.56	23.57	23.46	23.2
20	16QAM	50	0	22.17	22.17	22.15	
20	16QAM	50	24	22.22	22.22	22.18	
20	16QAM	50	50	22.23	22.24	22.20	23.2
20	16QAM	100	0	22.19	22.17	22.15	
20	64QAM	1	0	22.47	22.29	22.45	
20	64QAM	1	49	22.47	22.37	22.50	23.2
20	64QAM	1	99	22.54	22.47	22.46	
20	64QAM	50	0	21.21	21.20	21.19	
20	64QAM	50	24	21.27	21.25	21.20	22.2
20	64QAM	50	50	21.26	21.27	21.22	
20	64QAM	100	0	21.20	21.17	21.16	
20	256QAM	1	0	19.42	19.22	19.35	20.2
20	256QAM	1	49	19.51	19.30	19.22	
20	256QAM	1	99	19.40	19.10	19.13	
20	256QAM	50	0	19.13	19.04	19.05	20.2
20	256QAM	50	24	19.10	18.99	18.95	
20	256QAM	50	50	19.05	18.90	18.96	
20	256QAM	100	0	19.08	18.95	18.96	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	24.10	24.04	24.04	
15	QPSK	1	37	24.09	24.16	24.19	
15	QPSK	1	74	24.15	24.15	24.19	
15	QPSK	36	0	23.17	23.18	23.14	24.2
15	QPSK	36	20	23.18	23.18	23.16	
15	QPSK	36	39	23.21	23.21	23.21	
15	QPSK	75	0	23.20	23.15	23.17	24.2
15	16QAM	1	0	23.54	23.54	23.48	
15	16QAM	1	37	23.47	23.56	23.43	
15	16QAM	1	74	23.45	23.64	23.33	23.2
15	16QAM	36	0	22.16	22.18	22.14	
15	16QAM	36	20	22.18	22.24	22.16	
15	16QAM	36	39	22.22	22.26	22.17	23.2
15	16QAM	75	0	22.22	22.21	22.17	
15	64QAM	1	0	22.40	22.37	22.33	
15	64QAM	1	37	22.41	22.38	22.35	23.2
15	64QAM	1	74	22.44	22.44	22.36	
15	64QAM	36	0	21.18	21.24	21.18	
15	64QAM	36	20	21.20	21.24	21.17	22.2
15	64QAM	36	39	21.25	21.28	21.18	
15	64QAM	75	0	21.20	21.20	21.13	
15	256QAM	1	0	19.38	19.21	19.31	20.2
15	256QAM	1	37	19.47	19.20	19.16	
15	256QAM	1	74	19.40	19.10	19.09	
15	256QAM	36	0	19.07	19.04	19.02	20.2
15	256QAM	36	20	19.05	18.99	18.90	
15	256QAM	36	39	18.96	18.82	18.94	



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15	256QAM	75	0	19.02	18.93	18.89	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	24.15	24.20	24.15	25.2
10	QPSK	1	25	24.01	24.08	24.01	
10	QPSK	1	49	24.10	24.13	24.13	
10	QPSK	25	0	23.12	23.15	23.10	24.2
10	QPSK	25	12	23.11	23.14	23.14	
10	QPSK	25	25	23.11	23.14	23.18	
10	QPSK	50	0	23.10	23.15	23.13	
10	16QAM	1	0	23.45	23.46	23.41	24.2
10	16QAM	1	25	23.36	23.44	23.32	
10	16QAM	1	49	23.42	23.48	23.30	
10	16QAM	25	0	22.14	22.21	22.13	23.2
10	16QAM	25	12	22.15	22.24	22.16	
10	16QAM	25	25	22.16	22.21	22.19	
10	16QAM	50	0	22.12	22.19	22.13	
10	64QAM	1	0	22.28	22.37	22.21	23.2
10	64QAM	1	25	22.12	22.25	22.19	
10	64QAM	1	49	22.21	22.35	22.25	
10	64QAM	25	0	21.13	21.18	21.11	22.2
10	64QAM	25	12	21.11	21.20	21.14	
10	64QAM	25	25	21.12	21.18	21.13	
10	64QAM	50	0	21.15	21.22	21.15	
10	256QAM	1	0	19.33	19.13	19.26	20.2
10	256QAM	1	25	19.46	19.24	19.18	
10	256QAM	1	49	19.37	19.09	19.13	
10	256QAM	25	0	19.08	18.98	18.95	20.2
10	256QAM	25	12	19.05	18.90	18.94	
10	256QAM	25	25	18.97	18.89	18.90	
10	256QAM	50	0	19.02	18.85	18.93	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.98	24.06	24.00	25.2
5	QPSK	1	12	23.91	24.02	24.03	
5	QPSK	1	24	24.00	24.08	24.07	
5	QPSK	12	0	23.04	23.13	23.07	24.2
5	QPSK	12	7	23.05	23.13	23.07	
5	QPSK	12	13	23.03	23.14	23.11	
5	QPSK	25	0	23.04	23.10	23.11	
5	16QAM	1	0	23.39	23.50	23.37	24.2
5	16QAM	1	12	23.32	23.39	23.32	
5	16QAM	1	24	23.32	23.48	23.29	
5	16QAM	12	0	22.04	22.16	22.04	23.2
5	16QAM	12	7	22.04	22.18	22.06	
5	16QAM	12	13	22.03	22.19	22.06	
5	16QAM	25	0	22.04	22.15	22.08	
5	64QAM	1	0	22.14	22.32	22.22	23.2
5	64QAM	1	12	22.18	22.43	22.10	
5	64QAM	1	24	22.20	22.39	22.24	
5	64QAM	12	0	21.07	21.21	21.04	22.2
5	64QAM	12	7	21.05	21.23	21.07	
5	64QAM	12	13	21.03	21.25	21.05	
5	64QAM	25	0	21.03	21.12	21.07	
5	256QAM	1	0	19.32	19.16	19.30	20.2
5	256QAM	1	12	19.43	19.25	19.14	
5	256QAM	1	24	19.38	19.01	19.13	
5	256QAM	12	0	19.04	19.02	19.03	20.2
5	256QAM	12	7	19.02	18.90	18.88	
5	256QAM	12	13	19.03	18.80	18.90	
5	256QAM	25	0	19.00	18.87	18.90	



<LTE Band 7_Ant 0_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.71	23.47	23.67	
20	QPSK	1	49	23.62	23.46	23.60	23.8
20	QPSK	1	99	23.70	23.44	23.60	
20	QPSK	50	0	23.22	23.16	23.20	
20	QPSK	50	24	23.11	23.15	23.06	23.8
20	QPSK	50	50	23.18	23.09	23.10	
20	QPSK	100	0	23.16	23.08	23.15	
20	16QAM	1	0	23.49	23.35	23.42	23.8
20	16QAM	1	49	23.55	23.44	23.40	
20	16QAM	1	99	23.50	23.52	23.44	
20	16QAM	50	0	22.17	22.16	22.08	23.2
20	16QAM	50	24	22.13	22.13	22.13	
20	16QAM	50	50	22.15	22.21	22.17	
20	16QAM	100	0	22.16	22.07	22.13	23.2
20	64QAM	1	0	22.39	22.27	22.44	
20	64QAM	1	49	22.44	22.32	22.47	
20	64QAM	1	99	22.46	22.39	22.43	22.2
20	64QAM	50	0	21.21	21.17	21.14	
20	64QAM	50	24	21.24	21.15	21.16	
20	64QAM	50	50	21.25	21.18	21.20	20.2
20	64QAM	100	0	21.10	21.16	21.06	
20	256QAM	1	0	19.35	19.12	19.28	
20	256QAM	1	49	19.42	19.23	19.21	20.2
20	256QAM	1	99	19.40	19.08	19.11	
20	256QAM	50	0	19.07	19.00	18.99	
20	256QAM	50	24	19.10	18.89	18.87	20.2
20	256QAM	50	50	19.00	18.87	18.96	
20	256QAM	100	0	19.00	18.87	18.88	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.56	23.51	23.53	
15	QPSK	1	37	23.53	23.57	23.64	23.8
15	QPSK	1	74	23.60	23.56	23.61	
15	QPSK	36	0	23.09	23.17	23.05	
15	QPSK	36	20	23.14	23.12	23.06	23.8
15	QPSK	36	39	23.16	23.12	23.12	
15	QPSK	75	0	23.14	23.09	23.09	
15	16QAM	1	0	23.53	23.49	23.38	23.8
15	16QAM	1	37	23.45	23.56	23.43	
15	16QAM	1	74	23.40	23.60	23.27	
15	16QAM	36	0	22.14	22.17	22.12	23.2
15	16QAM	36	20	22.08	22.21	22.16	
15	16QAM	36	39	22.21	22.19	22.11	
15	16QAM	75	0	22.20	22.13	22.10	23.2
15	64QAM	1	0	22.30	22.35	22.24	
15	64QAM	1	37	22.32	22.36	22.27	
15	64QAM	1	74	22.34	22.40	22.30	22.2
15	64QAM	36	0	21.13	21.20	21.11	
15	64QAM	36	20	21.19	21.22	21.07	
15	64QAM	36	39	21.19	21.20	21.15	20.2
15	64QAM	75	0	21.11	21.18	21.03	
15	256QAM	1	0	19.38	19.18	19.21	
15	256QAM	1	37	19.45	19.20	19.16	20.2
15	256QAM	1	74	19.33	19.09	19.07	
15	256QAM	36	0	19.01	18.95	19.02	
15	256QAM	36	20	18.97	18.99	18.83	20.2
15	256QAM	36	39	18.86	18.75	18.87	



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15	256QAM	75	0	18.93	18.88	18.82	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.57	23.70	23.65	23.8
10	QPSK	1	25	23.46	23.48	23.45	
10	QPSK	1	49	23.59	23.61	23.63	
10	QPSK	25	0	23.08	23.09	23.02	23.8
10	QPSK	25	12	23.08	23.06	23.10	
10	QPSK	25	25	23.10	23.10	23.15	
10	QPSK	50	0	23.09	23.07	23.12	
10	16QAM	1	0	23.44	23.40	23.31	23.8
10	16QAM	1	25	23.26	23.42	23.30	
10	16QAM	1	49	23.38	23.42	23.27	
10	16QAM	25	0	22.14	22.16	22.09	23.2
10	16QAM	25	12	22.10	22.15	22.13	
10	16QAM	25	25	22.16	22.20	22.13	
10	16QAM	50	0	22.10	22.18	22.07	
10	64QAM	1	0	22.23	22.35	22.15	23.2
10	64QAM	1	25	22.07	22.23	22.13	
10	64QAM	1	49	22.17	22.26	22.18	
10	64QAM	25	0	21.12	21.08	21.06	22.2
10	64QAM	25	12	21.07	21.11	21.11	
10	64QAM	25	25	21.11	21.09	21.13	
10	64QAM	50	0	21.14	21.18	21.13	
10	256QAM	1	0	19.32	19.05	19.26	20.2
10	256QAM	1	25	19.38	19.16	19.17	
10	256QAM	1	49	19.29	19.04	19.08	
10	256QAM	25	0	19.06	18.91	18.88	20.2
10	256QAM	25	12	19.03	18.87	18.87	
10	256QAM	25	25	18.87	18.85	18.86	
10	256QAM	50	0	19.02	18.75	18.93	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.42	23.54	23.40	23.8
5	QPSK	1	12	23.35	23.45	23.46	
5	QPSK	1	24	23.44	23.58	23.50	
5	QPSK	12	0	22.96	23.12	22.98	23.8
5	QPSK	12	7	22.99	23.08	22.99	
5	QPSK	12	13	22.96	23.08	23.04	
5	QPSK	25	0	22.96	23.02	23.02	
5	16QAM	1	0	23.33	23.41	23.37	23.8
5	16QAM	1	12	23.31	23.33	23.24	
5	16QAM	1	24	23.27	23.41	23.20	
5	16QAM	12	0	22.01	22.15	22.02	23.2
5	16QAM	12	7	21.95	22.11	22.02	
5	16QAM	12	13	21.99	22.17	22.03	
5	16QAM	25	0	21.99	22.11	22.03	
5	64QAM	1	0	22.04	22.32	22.20	23.2
5	64QAM	1	12	22.18	22.33	22.06	
5	64QAM	1	24	22.18	22.34	22.21	
5	64QAM	12	0	21.07	21.12	21.01	22.2
5	64QAM	12	7	21.04	21.22	21.04	
5	64QAM	12	13	20.95	21.17	21.01	
5	64QAM	25	0	21.03	21.07	21.06	
5	256QAM	1	0	19.23	19.15	19.25	20.2
5	256QAM	1	12	19.33	19.22	19.10	
5	256QAM	1	24	19.31	19.00	19.12	
5	256QAM	12	0	19.00	18.95	18.95	20.2
5	256QAM	12	7	18.98	18.82	18.79	
5	256QAM	12	13	18.95	18.71	18.88	
5	256QAM	25	0	18.92	18.79	18.81	



<LTE Band 7_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	20.82	20.77	20.81	
20	QPSK	1	49	20.78	20.76	20.69	
20	QPSK	1	99	20.81	20.77	20.80	
20	QPSK	50	0	20.95	20.90	20.85	21.9
20	QPSK	50	24	20.89	20.89	20.85	
20	QPSK	50	50	20.94	20.89	20.80	
20	QPSK	100	0	20.90	20.86	20.84	21.9
20	16QAM	1	0	21.28	21.05	21.11	
20	16QAM	1	49	21.25	21.17	21.04	
20	16QAM	1	99	21.26	21.23	21.20	21.9
20	16QAM	50	0	20.88	20.88	20.86	
20	16QAM	50	24	20.92	20.90	20.84	
20	16QAM	50	50	20.93	20.91	20.88	21.9
20	16QAM	100	0	20.88	20.85	20.84	
20	64QAM	1	0	21.18	21.02	21.04	
20	64QAM	1	49	21.18	21.17	21.02	21.9
20	64QAM	1	99	21.21	21.17	21.12	
20	64QAM	50	0	20.90	20.89	20.89	
20	64QAM	50	24	20.93	20.94	20.89	21.9
20	64QAM	50	50	20.97	20.93	20.91	
20	64QAM	100	0	20.90	20.84	20.85	
20	256QAM	1	0	19.21	19.04	19.12	20.2
20	256QAM	1	49	19.48	19.08	19.08	
20	256QAM	1	99	19.24	18.90	19.07	
20	256QAM	50	0	18.95	18.83	18.89	20.2
20	256QAM	50	24	18.92	18.87	18.83	
20	256QAM	50	50	18.97	18.73	18.82	
20	256QAM	100	0	18.97	18.75	18.83	20.2
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.78	20.73	20.77	21.9
15	QPSK	1	37	20.70	20.70	20.61	
15	QPSK	1	74	20.81	20.69	20.79	
15	QPSK	36	0	20.90	20.82	20.80	21.9
15	QPSK	36	20	20.83	20.86	20.77	
15	QPSK	36	39	20.93	20.86	20.70	
15	QPSK	75	0	20.81	20.84	20.77	21.9
15	16QAM	1	0	21.25	20.96	21.04	
15	16QAM	1	37	21.25	21.11	20.98	
15	16QAM	1	74	21.25	21.22	21.14	21.9
15	16QAM	36	0	20.78	20.84	20.82	
15	16QAM	36	20	20.87	20.82	20.75	
15	16QAM	36	39	20.84	20.87	20.84	21.9
15	16QAM	75	0	20.85	20.82	20.74	
15	64QAM	1	0	21.14	20.93	21.02	
15	64QAM	1	37	21.13	21.17	20.99	21.9
15	64QAM	1	74	21.13	21.09	21.09	
15	64QAM	36	0	20.84	20.84	20.85	
15	64QAM	36	20	20.92	20.89	20.81	21.9
15	64QAM	36	39	20.92	20.85	20.89	
15	64QAM	75	0	20.83	20.75	20.75	
15	256QAM	1	0	19.19	18.98	19.10	20.2
15	256QAM	1	37	19.46	19.00	19.00	
15	256QAM	1	74	19.19	18.81	19.04	
15	256QAM	36	0	18.87	18.73	18.83	20.2
15	256QAM	36	20	18.88	18.85	18.77	
15	256QAM	36	39	18.93	18.64	18.81	



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15	256QAM	75	0	18.96	18.74	18.77	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.72	20.72	20.76	21.9
10	QPSK	1	25	20.73	20.72	20.62	
10	QPSK	1	49	20.76	20.72	20.80	
10	QPSK	25	0	20.94	20.87	20.82	21.9
10	QPSK	25	12	20.84	20.83	20.83	
10	QPSK	25	25	20.87	20.83	20.78	
10	QPSK	50	0	20.89	20.82	20.84	
10	16QAM	1	0	21.21	21.03	21.09	21.9
10	16QAM	1	25	21.21	21.12	20.97	
10	16QAM	1	49	21.18	21.18	21.16	
10	16QAM	25	0	20.88	20.85	20.84	21.9
10	16QAM	25	12	20.86	20.84	20.79	
10	16QAM	25	25	20.90	20.90	20.87	
10	16QAM	50	0	20.85	20.83	20.80	
10	64QAM	1	0	21.09	20.99	20.99	21.9
10	64QAM	1	25	21.15	21.09	21.00	
10	64QAM	1	49	21.13	21.08	21.07	
10	64QAM	25	0	20.86	20.85	20.84	21.9
10	64QAM	25	12	20.87	20.87	20.84	
10	64QAM	25	25	20.91	20.92	20.86	
10	64QAM	50	0	20.86	20.83	20.76	
10	256QAM	1	0	19.18	19.01	19.03	20.2
10	256QAM	1	25	19.42	19.04	19.07	
10	256QAM	1	49	19.16	18.85	19.05	
10	256QAM	25	0	18.89	18.75	18.81	20.2
10	256QAM	25	12	18.92	18.83	18.76	
10	256QAM	25	25	18.92	18.67	18.73	
10	256QAM	50	0	18.92	18.66	18.83	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.81	20.69	20.74	21.9
5	QPSK	1	12	20.75	20.71	20.66	
5	QPSK	1	24	20.72	20.69	20.77	
5	QPSK	12	0	20.89	20.84	20.85	21.9
5	QPSK	12	7	20.83	20.82	20.82	
5	QPSK	12	13	20.92	20.86	20.70	
5	QPSK	25	0	20.86	20.81	20.78	
5	16QAM	1	0	21.21	21.04	21.07	21.9
5	16QAM	1	12	21.17	21.09	21.01	
5	16QAM	1	24	21.26	21.20	21.14	
5	16QAM	12	0	20.78	20.78	20.79	21.9
5	16QAM	12	7	20.82	20.84	20.81	
5	16QAM	12	13	20.83	20.84	20.87	
5	16QAM	25	0	20.80	20.82	20.83	
5	64QAM	1	0	21.17	20.97	20.94	21.9
5	64QAM	1	12	21.09	21.07	20.92	
5	64QAM	1	24	21.18	21.16	21.06	
5	64QAM	12	0	20.84	20.85	20.81	21.9
5	64QAM	12	7	20.83	20.94	20.84	
5	64QAM	12	13	20.94	20.90	20.88	
5	64QAM	25	0	20.90	20.79	20.76	
5	256QAM	1	0	19.17	19.04	19.08	20.2
5	256QAM	1	12	19.44	19.02	19.01	
5	256QAM	1	24	19.16	18.84	19.04	
5	256QAM	12	0	18.94	18.78	18.86	20.2
5	256QAM	12	7	18.87	18.79	18.79	
5	256QAM	12	13	18.94	18.68	18.72	
5	256QAM	25	0	18.94	18.73	18.83	



<LTE Band 7_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.34	23.31	23.32	
20	QPSK	1	49	23.30	23.30	23.31	23.7
20	QPSK	1	99	23.30	23.28	23.30	
20	QPSK	50	0	23.25	23.20	23.21	
20	QPSK	50	24	23.19	23.19	23.16	23.7
20	QPSK	50	50	23.24	23.18	23.20	
20	QPSK	100	0	23.22	23.18	23.19	
20	16QAM	1	0	23.52	23.45	23.58	23.7
20	16QAM	1	49	23.61	23.56	23.48	
20	16QAM	1	99	23.62	23.61	23.53	
20	16QAM	50	0	22.19	22.17	22.17	23.2
20	16QAM	50	24	22.24	22.23	22.20	
20	16QAM	50	50	22.27	22.27	22.22	
20	16QAM	100	0	22.19	22.19	22.18	23.2
20	64QAM	1	0	22.49	22.38	22.35	
20	64QAM	1	49	22.39	22.47	22.39	
20	64QAM	1	99	22.48	22.51	22.50	22.2
20	64QAM	50	0	21.23	21.21	21.23	
20	64QAM	50	24	21.26	21.26	21.24	
20	64QAM	50	50	21.28	21.27	21.25	20.2
20	64QAM	100	0	21.22	21.20	21.18	
20	256QAM	1	0	19.32	19.17	19.25	
20	256QAM	1	49	19.51	19.22	19.19	20.2
20	256QAM	1	99	19.34	19.02	19.10	
20	256QAM	50	0	19.13	18.94	18.99	
20	256QAM	50	24	19.00	18.97	18.86	20.2
20	256QAM	50	50	19.04	18.85	18.93	
20	256QAM	100	0	19.02	18.87	18.87	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.30	23.23	23.31	
15	QPSK	1	37	23.30	23.26	23.25	23.7
15	QPSK	1	74	23.25	23.18	23.23	
15	QPSK	36	0	23.23	23.13	23.16	
15	QPSK	36	20	23.15	23.10	23.11	23.7
15	QPSK	36	39	23.21	23.17	23.20	
15	QPSK	75	0	23.21	23.16	23.18	
15	16QAM	1	0	23.52	23.36	23.48	23.7
15	16QAM	1	37	23.53	23.52	23.45	
15	16QAM	1	74	23.57	23.58	23.49	
15	16QAM	36	0	22.12	22.08	22.09	23.2
15	16QAM	36	20	22.22	22.23	22.15	
15	16QAM	36	39	22.19	22.23	22.16	
15	16QAM	75	0	22.10	22.11	22.13	23.2
15	64QAM	1	0	22.43	22.37	22.27	
15	64QAM	1	37	22.32	22.42	22.36	
15	64QAM	1	74	22.45	22.41	22.45	22.2
15	64QAM	36	0	21.13	21.13	21.21	
15	64QAM	36	20	21.20	21.20	21.24	
15	64QAM	36	39	21.23	21.19	21.18	20.2
15	64QAM	75	0	21.22	21.17	21.14	
15	256QAM	1	0	19.24	19.09	19.16	
15	256QAM	1	37	19.51	19.17	19.17	20.2
15	256QAM	1	74	19.32	18.93	19.07	
15	256QAM	36	0	19.03	18.84	18.92	
15	256QAM	36	20	18.96	18.94	18.76	20.2
15	256QAM	36	39	18.99	18.80	18.87	



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Report No. : FA380306C

15	256QAM	75	0	18.92	18.81	18.79	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.26	23.27	23.25	23.7
10	QPSK	1	25	23.25	23.22	23.29	
10	QPSK	1	49	23.22	23.23	23.23	
10	QPSK	25	0	23.24	23.17	23.13	23.7
10	QPSK	25	12	23.16	23.19	23.11	
10	QPSK	25	25	23.24	23.09	23.20	
10	QPSK	50	0	23.20	23.17	23.11	
10	16QAM	1	0	23.44	23.35	23.50	23.7
10	16QAM	1	25	23.60	23.55	23.46	
10	16QAM	1	49	23.62	23.54	23.50	
10	16QAM	25	0	22.18	22.14	22.10	23.2
10	16QAM	25	12	22.21	22.17	22.16	
10	16QAM	25	25	22.26	22.26	22.21	
10	16QAM	50	0	22.14	22.12	22.16	
10	64QAM	1	0	22.45	22.29	22.26	23.2
10	64QAM	1	25	22.36	22.46	22.34	
10	64QAM	1	49	22.41	22.46	22.43	
10	64QAM	25	0	21.18	21.18	21.18	22.2
10	64QAM	25	12	21.20	21.24	21.21	
10	64QAM	25	25	21.19	21.19	21.18	
10	64QAM	50	0	21.22	21.11	21.13	
10	256QAM	1	0	19.28	19.14	19.23	20.2
10	256QAM	1	25	19.47	19.12	19.15	
10	256QAM	1	49	19.32	18.92	19.07	
10	256QAM	25	0	19.08	18.91	18.92	20.2
10	256QAM	25	12	18.90	18.90	18.84	
10	256QAM	25	25	19.04	18.81	18.84	
10	256QAM	50	0	18.99	18.80	18.78	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.25	23.31	23.30	23.7
5	QPSK	1	12	23.25	23.20	23.31	
5	QPSK	1	24	23.26	23.25	23.29	
5	QPSK	12	0	23.16	23.16	23.17	23.7
5	QPSK	12	7	23.11	23.18	23.08	
5	QPSK	12	13	23.17	23.09	23.16	
5	QPSK	25	0	23.19	23.13	23.10	
5	16QAM	1	0	23.48	23.37	23.50	23.7
5	16QAM	1	12	23.51	23.53	23.44	
5	16QAM	1	24	23.53	23.56	23.49	
5	16QAM	12	0	22.19	22.17	22.08	23.2
5	16QAM	12	7	22.14	22.13	22.20	
5	16QAM	12	13	22.19	22.21	22.17	
5	16QAM	25	0	22.13	22.16	22.17	
5	64QAM	1	0	22.39	22.30	22.31	23.2
5	64QAM	1	12	22.35	22.38	22.33	
5	64QAM	1	24	22.38	22.41	22.42	
5	64QAM	12	0	21.22	21.21	21.15	22.2
5	64QAM	12	7	21.24	21.22	21.14	
5	64QAM	12	13	21.21	21.19	21.25	
5	64QAM	25	0	21.22	21.10	21.14	
5	256QAM	1	0	19.32	19.10	19.25	20.2
5	256QAM	1	12	19.51	19.17	19.11	
5	256QAM	1	24	19.28	19.01	19.02	
5	256QAM	12	0	19.05	18.85	18.96	20.2
5	256QAM	12	7	18.98	18.87	18.79	
5	256QAM	12	13	19.01	18.75	18.93	
5	256QAM	25	0	18.96	18.85	18.79	



<LTE Band 7_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	21.24	21.17	21.21	
20	QPSK	1	49	21.14	21.16	21.20	
20	QPSK	1	99	21.10	21.15	21.11	
20	QPSK	50	0	21.12	21.10	21.11	22
20	QPSK	50	24	21.05	21.07	20.96	
20	QPSK	50	50	21.11	20.98	21.10	
20	QPSK	100	0	21.07	21.04	21.05	22
20	16QAM	1	0	21.42	21.27	21.41	
20	16QAM	1	49	21.49	21.39	21.37	
20	16QAM	1	99	21.42	21.48	21.38	22
20	16QAM	50	0	21.05	20.98	21.04	
20	16QAM	50	24	21.11	21.11	21.01	
20	16QAM	50	50	21.17	21.12	21.04	22
20	16QAM	100	0	21.03	21.00	21.00	
20	64QAM	1	0	21.29	21.24	21.22	
20	64QAM	1	49	21.24	21.34	21.19	22
20	64QAM	1	99	21.36	21.34	21.33	
20	64QAM	50	0	21.18	21.15	21.14	
20	64QAM	50	24	21.26	21.21	21.24	22
20	64QAM	50	50	21.19	21.20	21.20	
20	64QAM	100	0	21.19	21.18	21.17	
20	256QAM	1	0	19.28	19.08	19.22	20.2
20	256QAM	1	49	19.48	19.15	19.17	
20	256QAM	1	99	19.33	18.92	19.06	
20	256QAM	50	0	19.10	18.93	18.90	20.2
20	256QAM	50	24	18.98	18.94	18.84	
20	256QAM	50	50	18.94	18.75	18.89	
20	256QAM	100	0	19.00	18.81	18.77	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.18	21.05	21.15	
15	QPSK	1	37	21.15	21.10	21.08	
15	QPSK	1	74	21.07	21.02	21.13	
15	QPSK	36	0	21.03	21.03	20.99	22
15	QPSK	36	20	20.96	20.93	20.98	
15	QPSK	36	39	21.10	20.99	21.08	
15	QPSK	75	0	21.05	21.04	21.06	22
15	16QAM	1	0	21.39	21.22	21.33	
15	16QAM	1	37	21.40	21.34	21.35	
15	16QAM	1	74	21.40	21.42	21.31	22
15	16QAM	36	0	20.99	21.03	21.07	
15	16QAM	36	20	21.04	21.10	20.98	
15	16QAM	36	39	21.02	21.03	20.99	22
15	16QAM	75	0	20.95	20.94	20.95	
15	64QAM	1	0	21.31	21.17	21.15	
15	64QAM	1	37	21.13	21.31	21.17	22
15	64QAM	1	74	21.25	21.23	21.34	
15	64QAM	36	0	21.09	21.13	21.13	
15	64QAM	36	20	21.18	21.11	21.15	22
15	64QAM	36	39	21.23	21.13	21.17	
15	64QAM	75	0	21.14	21.08	21.12	
15	256QAM	1	0	19.19	19.06	19.14	20.2
15	256QAM	1	37	19.42	19.13	19.15	
15	256QAM	1	74	19.30	18.85	19.04	
15	256QAM	36	0	18.93	18.83	18.90	20.2
15	256QAM	36	20	18.92	18.92	18.67	
15	256QAM	36	39	18.91	18.70	18.78	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	18.85	18.76	18.76	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.11	21.12	21.07	22
10	QPSK	1	25	21.06	21.05	21.13	
10	QPSK	1	49	21.02	21.13	21.13	
10	QPSK	25	0	21.09	21.02	20.97	22
10	QPSK	25	12	21.06	20.99	20.96	
10	QPSK	25	25	21.12	20.96	21.00	
10	QPSK	50	0	21.07	21.03	20.96	
10	16QAM	1	0	21.31	21.20	21.40	22
10	16QAM	1	25	21.41	21.38	21.29	
10	16QAM	1	49	21.44	21.36	21.34	
10	16QAM	25	0	21.05	21.01	20.91	22
10	16QAM	25	12	21.11	20.97	20.98	
10	16QAM	25	25	21.13	21.13	21.05	
10	16QAM	50	0	20.98	21.02	20.96	
10	64QAM	1	0	21.28	21.10	21.12	22
10	64QAM	1	25	21.23	21.33	21.15	
10	64QAM	1	49	21.25	21.29	21.26	
10	64QAM	25	0	21.13	21.12	21.10	22
10	64QAM	25	12	21.19	21.19	21.16	
10	64QAM	25	25	21.14	21.14	21.11	
10	64QAM	50	0	21.22	21.02	21.06	
10	256QAM	1	0	19.22	19.14	19.14	20.2
10	256QAM	1	25	19.46	19.07	19.10	
10	256QAM	1	49	19.27	18.83	18.99	
10	256QAM	25	0	19.07	18.87	18.92	20.2
10	256QAM	25	12	18.87	18.83	18.84	
10	256QAM	25	25	19.04	18.75	18.80	
10	256QAM	50	0	18.90	18.76	18.68	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.11	21.17	21.15	22
5	QPSK	1	12	21.05	21.03	21.18	
5	QPSK	1	24	21.16	21.09	21.13	
5	QPSK	12	0	21.02	20.97	20.98	22
5	QPSK	12	7	20.95	21.01	20.94	
5	QPSK	12	13	20.97	20.96	21.00	
5	QPSK	25	0	21.02	20.94	20.96	
5	16QAM	1	0	21.31	21.23	21.38	22
5	16QAM	1	12	21.37	21.36	21.34	
5	16QAM	1	24	21.41	21.36	21.34	
5	16QAM	12	0	21.04	20.98	21.01	22
5	16QAM	12	7	21.00	20.93	21.05	
5	16QAM	12	13	21.08	21.02	20.97	
5	16QAM	25	0	20.97	21.01	21.01	
5	64QAM	1	0	21.23	21.13	21.14	22
5	64QAM	1	12	21.17	21.19	21.14	
5	64QAM	1	24	21.20	21.22	21.32	
5	64QAM	12	0	21.17	21.15	21.11	22
5	64QAM	12	7	21.17	21.13	21.05	
5	64QAM	12	13	21.13	21.09	21.21	
5	64QAM	25	0	21.13	21.07	21.11	
5	256QAM	1	0	19.30	19.07	19.22	20.2
5	256QAM	1	12	19.50	19.14	19.02	
5	256QAM	1	24	19.21	18.99	18.98	
5	256QAM	12	0	19.00	18.82	18.90	20.2
5	256QAM	12	7	18.92	18.77	18.79	
5	256QAM	12	13	18.96	18.71	18.89	
5	256QAM	25	0	18.93	18.81	18.78	



<LTE Band 7_Ant 2_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.68	22.69	22.65	
20	QPSK	1	49	22.66	22.63	22.59	24.5
20	QPSK	1	99	22.67	22.66	22.59	
20	QPSK	50	0	22.62	22.63	22.53	
20	QPSK	50	24	22.57	22.56	22.52	24.5
20	QPSK	50	50	22.61	22.57	22.50	
20	QPSK	100	0	22.58	22.59	22.50	
20	16QAM	1	0	22.79	22.72	22.72	24.5
20	16QAM	1	49	22.82	22.74	22.68	
20	16QAM	1	99	22.89	22.86	22.67	
20	16QAM	50	0	22.55	22.53	22.42	23.7
20	16QAM	50	24	22.56	22.55	22.44	
20	16QAM	50	50	22.60	22.57	22.45	
20	16QAM	100	0	22.55	22.53	22.43	23.7
20	64QAM	1	0	22.81	22.71	22.71	
20	64QAM	1	49	22.71	22.65	22.66	
20	64QAM	1	99	22.78	22.63	22.72	22.7
20	64QAM	50	0	22.08	22.06	21.97	
20	64QAM	50	24	22.10	22.09	21.97	
20	64QAM	50	50	22.12	22.09	21.98	20.7
20	64QAM	100	0	22.05	22.03	21.94	
20	256QAM	1	0	20.20	20.11	20.30	
20	256QAM	1	49	20.20	20.13	20.12	20.7
20	256QAM	1	99	20.21	20.21	19.93	
20	256QAM	50	0	20.07	19.95	20.01	
20	256QAM	50	24	19.98	19.99	19.94	20.7
20	256QAM	50	50	19.96	19.94	19.95	
20	256QAM	100	0	19.92	19.98	19.97	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.66	22.65	22.52	
15	QPSK	1	37	22.76	22.73	22.55	24.5
15	QPSK	1	74	22.77	22.68	22.52	
15	QPSK	36	0	22.50	22.53	22.42	
15	QPSK	36	20	22.48	22.53	22.40	24.5
15	QPSK	36	39	22.59	22.53	22.43	
15	QPSK	75	0	22.53	22.45	22.36	
15	16QAM	1	0	22.78	22.72	22.69	24.5
15	16QAM	1	37	22.74	22.66	22.63	
15	16QAM	1	74	22.85	22.85	22.65	
15	16QAM	36	0	22.45	22.47	22.35	23.7
15	16QAM	36	20	22.53	22.50	22.37	
15	16QAM	36	39	22.53	22.49	22.35	
15	16QAM	75	0	22.46	22.53	22.34	23.7
15	64QAM	1	0	22.76	22.68	22.63	
15	64QAM	1	37	22.61	22.55	22.65	
15	64QAM	1	74	22.78	22.59	22.68	22.7
15	64QAM	36	0	22.08	21.97	21.87	
15	64QAM	36	20	22.07	22.06	21.94	
15	64QAM	36	39	22.04	22.01	21.91	20.7
15	64QAM	75	0	22.04	21.98	21.89	
15	256QAM	1	0	20.16	20.12	20.28	
15	256QAM	1	37	20.19	20.11	20.02	20.7
15	256QAM	1	74	20.11	20.19	19.85	
15	256QAM	36	0	19.98	19.87	19.96	
15	256QAM	36	20	19.94	19.96	19.85	20.7
15	256QAM	36	39	19.95	19.90	19.86	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	19.90	19.92	19.95	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.65	22.65	22.55	24.5
10	QPSK	1	25	22.71	22.65	22.51	
10	QPSK	1	49	22.69	22.68	22.53	
10	QPSK	25	0	22.53	22.46	22.42	24.5
10	QPSK	25	12	22.50	22.47	22.36	
10	QPSK	25	25	22.54	22.50	22.46	
10	QPSK	50	0	22.58	22.47	22.42	
10	16QAM	1	0	22.73	22.65	22.67	24.5
10	16QAM	1	25	22.77	22.74	22.58	
10	16QAM	1	49	22.81	22.85	22.57	
10	16QAM	25	0	22.45	22.44	22.40	23.7
10	16QAM	25	12	22.53	22.54	22.38	
10	16QAM	25	25	22.60	22.55	22.41	
10	16QAM	50	0	22.46	22.48	22.33	
10	64QAM	1	0	22.76	22.68	22.69	23.7
10	64QAM	1	25	22.71	22.59	22.59	
10	64QAM	1	49	22.71	22.62	22.70	
10	64QAM	25	0	22.03	22.06	21.91	22.7
10	64QAM	25	12	22.08	22.03	21.88	
10	64QAM	25	25	22.03	22.00	21.91	
10	64QAM	50	0	22.00	22.01	21.87	
10	256QAM	1	0	20.19	20.08	20.22	20.7
10	256QAM	1	25	20.11	20.11	20.11	
10	256QAM	1	49	20.21	20.17	19.83	
10	256QAM	25	0	20.06	19.92	19.94	20.7
10	256QAM	25	12	19.94	19.97	19.90	
10	256QAM	25	25	19.88	19.93	19.89	
10	256QAM	50	0	19.85	19.94	19.96	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.62	22.61	22.50	24.5
5	QPSK	1	12	22.69	22.73	22.54	
5	QPSK	1	24	22.73	22.62	22.54	
5	QPSK	12	0	22.49	22.50	22.46	24.5
5	QPSK	12	7	22.47	22.56	22.44	
5	QPSK	12	13	22.61	22.55	22.42	
5	QPSK	25	0	22.55	22.50	22.44	
5	16QAM	1	0	22.79	22.63	22.72	24.5
5	16QAM	1	12	22.81	22.70	22.62	
5	16QAM	1	24	22.79	22.82	22.58	
5	16QAM	12	0	22.52	22.46	22.35	23.7
5	16QAM	12	7	22.50	22.45	22.40	
5	16QAM	12	13	22.51	22.53	22.45	
5	16QAM	25	0	22.55	22.46	22.42	
5	64QAM	1	0	22.79	22.63	22.68	23.7
5	64QAM	1	12	22.66	22.61	22.66	
5	64QAM	1	24	22.75	22.58	22.72	
5	64QAM	12	0	22.05	22.00	21.89	22.7
5	64QAM	12	7	22.03	21.99	21.89	
5	64QAM	12	13	22.06	22.08	21.96	
5	64QAM	25	0	22.03	21.99	21.86	
5	256QAM	1	0	20.15	20.08	20.27	20.7
5	256QAM	1	12	20.15	20.09	20.02	
5	256QAM	1	24	20.20	20.17	19.87	
5	256QAM	12	0	20.00	19.92	19.98	20.7
5	256QAM	12	7	19.91	19.91	19.88	
5	256QAM	12	13	19.91	19.90	19.87	
5	256QAM	25	0	19.92	19.97	19.96	



<LTE Band 7_Ant 2_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel			20850	21100	21350		
Frequency (MHz)			2510	2535	2560		
20	QPSK	1	0	22.12	22.13	22.07	22.5
20	QPSK	1	49	22.11	22.08	22.02	
20	QPSK	1	99	22.10	22.10	22.06	
20	QPSK	50	0	22.05	22.06	22.02	22.5
20	QPSK	50	24	21.99	22.00	22.01	
20	QPSK	50	50	22.00	22.02	21.95	
20	QPSK	100	0	22.04	22.05	21.93	22.5
20	16QAM	1	0	22.22	22.12	22.13	
20	16QAM	1	49	22.30	22.22	22.11	
20	16QAM	1	99	22.37	22.30	22.08	22.5
20	16QAM	50	0	21.96	22.03	21.82	
20	16QAM	50	24	21.98	21.97	21.93	
20	16QAM	50	50	22.06	21.98	21.85	22.5
20	16QAM	100	0	21.99	22.03	21.89	
20	64QAM	1	0	22.24	22.21	22.20	
20	64QAM	1	49	22.20	22.12	22.16	22.5
20	64QAM	1	99	22.20	22.10	22.20	
20	64QAM	50	0	21.57	21.54	21.41	
20	64QAM	50	24	21.57	21.55	21.37	22.5
20	64QAM	50	50	21.55	21.56	21.38	
20	64QAM	100	0	21.49	21.53	21.35	
20	256QAM	1	0	20.14	20.06	20.27	20.7
20	256QAM	1	49	20.18	20.05	20.04	
20	256QAM	1	99	20.15	20.15	19.89	
20	256QAM	50	0	20.00	19.88	19.96	20.7
20	256QAM	50	24	19.93	19.93	19.85	
20	256QAM	50	50	19.87	19.94	19.90	
20	256QAM	100	0	19.86	19.91	19.92	
Channel			20825	21100	21375	Tune-up limit (dBm)	
Frequency (MHz)			2507.5	2535	2562.5		
15	QPSK	1	0	22.15	22.11	21.93	22.5
15	QPSK	1	37	22.22	22.18	22.02	
15	QPSK	1	74	22.18	22.14	21.97	
15	QPSK	36	0	21.99	21.99	21.86	22.5
15	QPSK	36	20	21.90	22.02	21.83	
15	QPSK	36	39	22.00	22.02	21.90	
15	QPSK	75	0	21.97	21.95	21.85	22.5
15	16QAM	1	0	22.28	22.16	22.17	
15	16QAM	1	37	22.14	22.14	22.07	
15	16QAM	1	74	22.34	22.34	22.15	22.5
15	16QAM	36	0	21.86	21.94	21.79	
15	16QAM	36	20	22.00	22.00	21.81	
15	16QAM	36	39	21.99	21.92	21.77	22.5
15	16QAM	75	0	21.86	21.94	21.79	
15	64QAM	1	0	22.26	22.13	22.13	
15	64QAM	1	37	22.06	22.01	22.14	22.5
15	64QAM	1	74	22.28	22.09	22.08	
15	64QAM	36	0	21.52	21.39	21.35	
15	64QAM	36	20	21.57	21.46	21.36	22.5
15	64QAM	36	39	21.53	21.47	21.33	
15	64QAM	75	0	21.50	21.44	21.33	
15	256QAM	1	0	20.10	20.04	20.27	20.7
15	256QAM	1	37	20.15	20.07	20.01	
15	256QAM	1	74	20.06	20.18	19.85	
15	256QAM	36	0	19.90	19.83	19.86	20.7
15	256QAM	36	20	19.91	19.92	19.77	
15	256QAM	36	39	19.85	19.89	19.85	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	19.85	19.91	19.94	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.07	22.10	22.02	22.5
10	QPSK	1	25	22.14	22.08	21.98	
10	QPSK	1	49	22.10	22.18	21.96	
10	QPSK	25	0	21.98	21.88	21.87	22.5
10	QPSK	25	12	21.95	21.92	21.79	
10	QPSK	25	25	21.94	21.91	21.88	
10	QPSK	50	0	21.98	21.94	21.84	
10	16QAM	1	0	22.14	22.12	22.09	22.5
10	16QAM	1	25	22.24	22.16	21.99	
10	16QAM	1	49	22.22	22.26	22.03	
10	16QAM	25	0	21.92	21.93	21.81	22.5
10	16QAM	25	12	21.99	21.97	21.85	
10	16QAM	25	25	22.00	21.95	21.82	
10	16QAM	50	0	21.94	21.91	21.83	
10	64QAM	1	0	22.24	22.16	22.13	22.5
10	64QAM	1	25	22.14	22.07	21.99	
10	64QAM	1	49	22.11	22.03	22.10	
10	64QAM	25	0	21.43	21.48	21.31	22.5
10	64QAM	25	12	21.51	21.53	21.34	
10	64QAM	25	25	21.43	21.41	21.32	
10	64QAM	50	0	21.41	21.51	21.35	
10	256QAM	1	0	20.13	19.99	20.13	20.7
10	256QAM	1	25	20.04	20.10	20.02	
10	256QAM	1	49	20.17	20.11	19.75	
10	256QAM	25	0	19.98	19.90	19.90	20.7
10	256QAM	25	12	19.84	19.96	19.88	
10	256QAM	25	25	19.83	19.93	19.89	
10	256QAM	50	0	19.78	19.87	19.88	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.08	22.03	21.90	22.5
5	QPSK	1	12	22.12	22.22	22.00	
5	QPSK	1	24	22.16	22.04	21.99	
5	QPSK	12	0	21.93	21.97	21.88	22.5
5	QPSK	12	7	21.97	21.97	21.93	
5	QPSK	12	13	22.07	21.99	21.86	
5	QPSK	25	0	21.98	21.94	21.88	
5	16QAM	1	0	22.23	22.06	22.14	22.5
5	16QAM	1	12	22.27	22.19	22.07	
5	16QAM	1	24	22.25	22.27	22.04	
5	16QAM	12	0	21.92	21.96	21.77	22.5
5	16QAM	12	7	21.91	21.88	21.80	
5	16QAM	12	13	21.93	21.95	21.93	
5	16QAM	25	0	22.00	21.89	21.88	
5	64QAM	1	0	22.19	22.04	22.15	22.5
5	64QAM	1	12	22.15	22.06	22.08	
5	64QAM	1	24	22.25	21.98	22.18	
5	64QAM	12	0	21.49	21.40	21.31	22.5
5	64QAM	12	7	21.52	21.39	21.33	
5	64QAM	12	13	21.51	21.50	21.43	
5	64QAM	25	0	21.51	21.40	21.33	
5	256QAM	1	0	20.05	20.04	20.19	20.7
5	256QAM	1	12	20.10	20.06	19.96	
5	256QAM	1	24	20.16	20.10	19.84	
5	256QAM	12	0	19.97	19.82	19.88	20.7
5	256QAM	12	7	19.83	19.83	19.82	
5	256QAM	12	13	19.90	19.80	19.81	
5	256QAM	25	0	19.86	19.92	19.96	



<LTE Band 7_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	18.51	18.53	18.47	
20	QPSK	1	49	18.50	18.48	18.43	19.2
20	QPSK	1	99	18.50	18.47	18.39	
20	QPSK	50	0	18.50	18.55	18.43	
20	QPSK	50	24	18.49	18.46	18.42	19.2
20	QPSK	50	50	18.48	18.54	18.36	
20	QPSK	100	0	18.49	18.50	18.32	
20	16QAM	1	0	18.61	18.63	18.49	19.2
20	16QAM	1	49	18.51	18.54	18.23	
20	16QAM	1	99	18.43	18.53	18.48	
20	16QAM	50	0	18.47	18.43	18.40	19.2
20	16QAM	50	24	18.47	18.52	18.34	
20	16QAM	50	50	18.47	18.53	18.35	
20	16QAM	100	0	18.51	18.49	18.33	19.2
20	64QAM	1	0	18.54	18.43	18.45	
20	64QAM	1	49	18.50	18.52	18.38	
20	64QAM	1	99	18.55	18.54	18.39	19.2
20	64QAM	50	0	18.53	18.53	18.41	
20	64QAM	50	24	18.52	18.54	18.45	
20	64QAM	50	50	18.60	18.55	18.35	19.2
20	64QAM	100	0	18.49	18.50	18.39	
20	256QAM	1	0	18.55	18.59	18.60	
20	256QAM	1	49	18.58	18.55	18.55	19.2
20	256QAM	1	99	18.54	18.57	18.52	
20	256QAM	50	0	18.54	18.53	18.58	
20	256QAM	50	24	18.60	18.58	18.55	19.2
20	256QAM	50	50	18.62	18.52	18.56	
20	256QAM	100	0	18.58	18.56	18.53	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	18.46	18.53	18.35	
15	QPSK	1	37	18.35	18.44	18.40	19.2
15	QPSK	1	74	18.48	18.39	18.38	
15	QPSK	36	0	18.53	18.46	18.38	
15	QPSK	36	20	18.47	18.47	18.39	19.2
15	QPSK	36	39	18.45	18.55	18.32	
15	QPSK	75	0	18.48	18.55	18.33	
15	16QAM	1	0	18.55	18.50	18.56	19.2
15	16QAM	1	37	18.46	18.48	18.45	
15	16QAM	1	74	18.54	18.61	18.47	
15	16QAM	36	0	18.46	18.50	18.38	19.2
15	16QAM	36	20	18.42	18.43	18.26	
15	16QAM	36	39	18.42	18.54	18.21	
15	16QAM	75	0	18.46	18.32	18.35	19.2
15	64QAM	1	0	18.50	18.52	18.29	
15	64QAM	1	37	18.50	18.62	18.34	
15	64QAM	1	74	18.53	18.43	18.45	19.2
15	64QAM	36	0	18.47	18.42	18.35	
15	64QAM	36	20	18.44	18.49	18.27	
15	64QAM	36	39	18.49	18.44	18.32	19.2
15	64QAM	75	0	18.45	18.50	18.26	
15	256QAM	1	0	18.60	18.61	18.61	
15	256QAM	1	37	18.59	18.58	18.46	19.2
15	256QAM	1	74	18.47	18.57	18.48	
15	256QAM	36	0	18.56	18.52	18.53	
15	256QAM	36	20	18.55	18.52	18.59	19.2
15	256QAM	36	39	18.61	18.55	18.57	



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Report No. : FA380306C

15	256QAM	75	0	18.53	18.47	18.53	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	18.41	18.52	18.35	19.2
10	QPSK	1	25	18.41	18.40	18.32	
10	QPSK	1	49	18.45	18.34	18.44	
10	QPSK	25	0	18.43	18.57	18.41	19.2
10	QPSK	25	12	18.37	18.38	18.44	
10	QPSK	25	25	18.44	18.40	18.28	
10	QPSK	50	0	18.40	18.49	18.35	
10	16QAM	1	0	18.57	18.51	18.61	19.2
10	16QAM	1	25	18.45	18.57	18.36	
10	16QAM	1	49	18.62	18.62	18.59	
10	16QAM	25	0	18.46	18.47	18.38	19.2
10	16QAM	25	12	18.34	18.49	18.33	
10	16QAM	25	25	18.51	18.50	18.35	
10	16QAM	50	0	18.42	18.38	18.38	
10	64QAM	1	0	18.58	18.58	18.31	19.2
10	64QAM	1	25	18.59	18.42	18.35	
10	64QAM	1	49	18.59	18.55	18.41	
10	64QAM	25	0	18.47	18.42	18.32	19.2
10	64QAM	25	12	18.49	18.49	18.33	
10	64QAM	25	25	18.53	18.40	18.38	
10	64QAM	50	0	18.46	18.52	18.33	
10	256QAM	1	0	18.62	18.53	18.55	19.2
10	256QAM	1	25	18.58	18.57	18.46	
10	256QAM	1	49	18.48	18.46	18.54	
10	256QAM	25	0	18.56	18.50	18.55	19.2
10	256QAM	25	12	18.51	18.51	18.59	
10	256QAM	25	25	18.59	18.55	18.54	
10	256QAM	50	0	18.62	18.58	18.53	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	18.49	18.45	18.39	
5	QPSK	1	12	18.42	18.40	18.38	
5	QPSK	1	24	18.50	18.43	18.39	
5	QPSK	12	0	18.55	18.55	18.44	19.2
5	QPSK	12	7	18.42	18.41	18.39	
5	QPSK	12	13	18.45	18.52	18.40	
5	QPSK	25	0	18.51	18.54	18.30	
5	16QAM	1	0	18.56	18.62	18.56	19.2
5	16QAM	1	12	18.54	18.59	18.30	
5	16QAM	1	24	18.56	18.60	18.52	
5	16QAM	12	0	18.51	18.33	18.36	19.2
5	16QAM	12	7	18.43	18.39	18.36	
5	16QAM	12	13	18.49	18.48	18.22	
5	16QAM	25	0	18.43	18.44	18.38	
5	64QAM	1	0	18.41	18.58	18.34	19.2
5	64QAM	1	12	18.42	18.45	18.31	
5	64QAM	1	24	18.52	18.59	18.47	
5	64QAM	12	0	18.46	18.38	18.36	19.2
5	64QAM	12	7	18.46	18.48	18.32	
5	64QAM	12	13	18.54	18.45	18.38	
5	64QAM	25	0	18.45	18.43	18.27	
5	256QAM	1	0	18.58	18.62	18.59	19.2
5	256QAM	1	12	18.59	18.48	18.56	
5	256QAM	1	24	18.60	18.52	18.52	
5	256QAM	12	0	18.56	18.52	18.62	19.2
5	256QAM	12	7	18.58	18.48	18.50	
5	256QAM	12	13	18.62	18.55	18.60	
5	256QAM	25	0	18.49	18.59	18.57	



<LTE Band 7_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.90	22.91	22.81	23.6
20	QPSK	1	49	22.81	22.80	22.80	
20	QPSK	1	99	22.90	22.85	22.81	
20	QPSK	50	0	22.87	22.88	22.85	23.6
20	QPSK	50	24	22.87	22.85	22.81	
20	QPSK	50	50	22.81	22.85	22.83	
20	QPSK	100	0	22.81	22.83	22.81	23.6
20	16QAM	1	0	22.90	22.90	22.93	
20	16QAM	1	49	23.00	22.94	22.91	
20	16QAM	1	99	22.92	22.98	22.92	23.6
20	16QAM	50	0	22.85	22.82	22.72	
20	16QAM	50	24	22.87	22.85	22.73	
20	16QAM	50	50	22.88	22.84	22.75	23.6
20	16QAM	100	0	22.85	22.81	22.71	
20	64QAM	1	0	23.03	22.84	22.83	
20	64QAM	1	49	23.00	22.90	22.78	23.6
20	64QAM	1	99	23.05	22.95	22.76	
20	64QAM	50	0	22.06	22.04	21.95	
20	64QAM	50	24	22.10	22.07	21.95	23.6
20	64QAM	50	50	22.11	22.08	21.95	
20	64QAM	100	0	22.05	22.02	21.92	
20	256QAM	1	0	20.17	20.12	20.31	20.7
20	256QAM	1	49	20.17	20.14	20.22	
20	256QAM	1	99	20.15	20.20	20.02	
20	256QAM	50	0	20.05	19.96	20.00	20.7
20	256QAM	50	24	20.03	20.01	19.91	
20	256QAM	50	50	19.96	19.94	19.90	
20	256QAM	100	0	19.87	20.02	19.94	20.7
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.87	22.88	22.72	23.6
15	QPSK	1	37	22.81	22.74	22.76	
15	QPSK	1	74	22.81	22.85	22.75	
15	QPSK	36	0	22.82	22.78	22.85	23.6
15	QPSK	36	20	22.79	22.79	22.75	
15	QPSK	36	39	22.73	22.78	22.77	
15	QPSK	75	0	22.73	22.79	22.81	23.6
15	16QAM	1	0	22.81	22.86	22.85	
15	16QAM	1	37	22.97	22.88	22.82	
15	16QAM	1	74	22.85	22.93	22.82	23.6
15	16QAM	36	0	22.77	22.80	22.70	
15	16QAM	36	20	22.83	22.75	22.66	
15	16QAM	36	39	22.84	22.83	22.65	23.6
15	16QAM	75	0	22.78	22.80	22.69	
15	64QAM	1	0	22.93	22.83	22.81	
15	64QAM	1	37	22.94	22.85	22.78	23.6
15	64QAM	1	74	23.04	22.85	22.74	
15	64QAM	36	0	21.99	21.99	21.87	
15	64QAM	36	20	22.08	21.99	21.92	23.6
15	64QAM	36	39	22.10	22.00	21.90	
15	64QAM	75	0	21.97	21.95	21.88	
15	256QAM	1	0	20.14	20.05	20.23	20.7
15	256QAM	1	37	20.15	20.08	20.13	
15	256QAM	1	74	20.14	20.12	20.02	
15	256QAM	36	0	19.96	19.95	20.00	20.7
15	256QAM	36	20	20.00	20.00	19.83	
15	256QAM	36	39	19.88	19.85	19.83	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	19.85	20.01	19.94	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.86	22.91	22.79	23.6
10	QPSK	1	25	22.75	22.79	22.75	
10	QPSK	1	49	22.85	22.80	22.71	
10	QPSK	25	0	22.78	22.79	22.81	23.6
10	QPSK	25	12	22.87	22.80	22.71	
10	QPSK	25	25	22.80	22.81	22.74	
10	QPSK	50	0	22.78	22.74	22.71	
10	16QAM	1	0	22.83	22.85	22.92	23.6
10	16QAM	1	25	22.90	22.85	22.87	
10	16QAM	1	49	22.89	22.95	22.92	
10	16QAM	25	0	22.80	22.81	22.72	23.6
10	16QAM	25	12	22.87	22.83	22.71	
10	16QAM	25	25	22.79	22.75	22.71	
10	16QAM	50	0	22.84	22.71	22.70	
10	64QAM	1	0	23.00	22.83	22.78	23.6
10	64QAM	1	25	22.96	22.84	22.73	
10	64QAM	1	49	23.04	22.86	22.76	
10	64QAM	25	0	22.01	21.95	21.89	23.6
10	64QAM	25	12	22.04	22.00	21.88	
10	64QAM	25	25	22.07	22.01	21.85	
10	64QAM	50	0	21.96	21.95	21.87	
10	256QAM	1	0	20.13	20.12	20.22	20.7
10	256QAM	1	25	20.13	20.04	20.21	
10	256QAM	1	49	20.14	20.19	20.00	
10	256QAM	25	0	19.99	19.95	19.98	20.7
10	256QAM	25	12	19.96	19.99	19.91	
10	256QAM	25	25	19.89	19.90	19.83	
10	256QAM	50	0	19.80	20.02	19.93	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.85	22.89	22.80	23.6
5	QPSK	1	12	22.74	22.78	22.78	
5	QPSK	1	24	22.85	22.75	22.71	
5	QPSK	12	0	22.82	22.87	22.79	23.6
5	QPSK	12	7	22.81	22.79	22.81	
5	QPSK	12	13	22.72	22.83	22.79	
5	QPSK	25	0	22.72	22.74	22.81	
5	16QAM	1	0	22.83	22.88	22.91	23.6
5	16QAM	1	12	23.00	22.92	22.83	
5	16QAM	1	24	22.87	22.88	22.92	
5	16QAM	12	0	22.75	22.75	22.65	23.6
5	16QAM	12	7	22.80	22.80	22.70	
5	16QAM	12	13	22.79	22.80	22.74	
5	16QAM	25	0	22.84	22.77	22.61	
5	64QAM	1	0	22.93	22.78	22.79	23.6
5	64QAM	1	12	22.98	22.87	22.76	
5	64QAM	1	24	23.03	22.88	22.72	
5	64QAM	12	0	22.03	22.00	21.88	23.6
5	64QAM	12	7	22.04	22.03	21.88	
5	64QAM	12	13	22.01	22.01	21.85	
5	64QAM	25	0	22.00	21.95	21.83	
5	256QAM	1	0	20.13	20.10	20.22	20.7
5	256QAM	1	12	20.17	20.14	20.13	
5	256QAM	1	24	20.10	20.14	19.94	
5	256QAM	12	0	19.97	19.88	19.90	20.7
5	256QAM	12	7	19.96	20.00	19.84	
5	256QAM	12	13	19.91	19.90	19.87	
5	256QAM	25	0	19.80	19.98	19.91	



<LTE Band 7_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	21.82	21.89	21.73	
20	QPSK	1	49	21.73	21.77	21.72	
20	QPSK	1	99	21.80	21.77	21.70	
20	QPSK	50	0	21.80	21.82	21.77	22.3
20	QPSK	50	24	21.80	21.75	21.70	
20	QPSK	50	50	21.79	21.80	21.77	
20	QPSK	100	0	21.79	21.73	21.75	22.3
20	16QAM	1	0	21.82	21.82	21.91	
20	16QAM	1	49	22.00	21.94	21.91	
20	16QAM	1	99	21.90	21.95	21.83	22.3
20	16QAM	50	0	21.79	21.78	21.64	
20	16QAM	50	24	21.83	21.83	21.66	
20	16QAM	50	50	21.84	21.83	21.65	22.3
20	16QAM	100	0	21.79	21.74	21.64	
20	64QAM	1	0	21.99	21.76	21.83	
20	64QAM	1	49	21.90	21.81	21.70	22.3
20	64QAM	1	99	22.05	21.90	21.73	
20	64QAM	50	0	21.76	21.81	21.69	
20	64QAM	50	24	21.82	21.84	21.67	22.3
20	64QAM	50	50	21.85	21.79	21.71	
20	64QAM	100	0	21.81	21.76	21.65	
20	256QAM	1	0	20.09	20.05	20.26	20.7
20	256QAM	1	49	20.12	20.08	20.14	
20	256QAM	1	99	20.10	20.14	19.96	
20	256QAM	50	0	19.98	19.90	19.92	20.7
20	256QAM	50	24	19.97	19.97	19.87	
20	256QAM	50	50	19.90	19.89	19.90	
20	256QAM	100	0	19.80	19.93	19.86	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.77	21.83	21.65	
15	QPSK	1	37	21.72	21.70	21.69	
15	QPSK	1	74	21.78	21.80	21.74	
15	QPSK	36	0	21.79	21.68	21.77	22.3
15	QPSK	36	20	21.75	21.75	21.75	
15	QPSK	36	39	21.69	21.71	21.68	
15	QPSK	75	0	21.64	21.79	21.71	22.3
15	16QAM	1	0	21.78	21.80	21.81	
15	16QAM	1	37	21.91	21.88	21.72	
15	16QAM	1	74	21.81	21.93	21.73	22.3
15	16QAM	36	0	21.71	21.71	21.60	
15	16QAM	36	20	21.83	21.70	21.59	
15	16QAM	36	39	21.74	21.80	21.57	22.3
15	16QAM	75	0	21.75	21.71	21.59	
15	64QAM	1	0	21.85	21.73	21.79	
15	64QAM	1	37	21.93	21.80	21.74	22.3
15	64QAM	1	74	21.99	21.76	21.68	
15	64QAM	36	0	21.79	21.74	21.64	
15	64QAM	36	20	21.81	21.71	21.62	22.3
15	64QAM	36	39	21.80	21.80	21.67	
15	64QAM	75	0	21.68	21.67	21.61	
15	256QAM	1	0	20.07	20.01	20.13	20.7
15	256QAM	1	37	20.14	20.07	20.09	
15	256QAM	1	74	20.08	20.10	19.98	
15	256QAM	36	0	19.91	19.87	20.00	20.7
15	256QAM	36	20	19.94	19.91	19.79	
15	256QAM	36	39	19.80	19.83	19.81	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	19.78	19.99	19.84	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.82	21.83	21.72	22.3
10	QPSK	1	25	21.66	21.76	21.75	
10	QPSK	1	49	21.83	21.71	21.63	
10	QPSK	25	0	21.77	21.73	21.79	22.3
10	QPSK	25	12	21.78	21.76	21.69	
10	QPSK	25	25	21.72	21.74	21.69	
10	QPSK	50	0	21.77	21.66	21.62	22.3
10	16QAM	1	0	21.82	21.83	21.85	
10	16QAM	1	25	21.80	21.76	21.84	
10	16QAM	1	49	21.79	21.88	21.88	22.3
10	16QAM	25	0	21.76	21.78	21.69	
10	16QAM	25	12	21.81	21.76	21.62	
10	16QAM	25	25	21.76	21.69	21.70	22.3
10	16QAM	50	0	21.74	21.65	21.67	
10	64QAM	1	0	21.97	21.83	21.71	
10	64QAM	1	25	21.92	21.83	21.68	22.3
10	64QAM	1	49	21.94	21.85	21.68	
10	64QAM	25	0	21.78	21.75	21.61	
10	64QAM	25	12	21.77	21.77	21.67	22.3
10	64QAM	25	25	21.82	21.81	21.62	
10	64QAM	50	0	21.69	21.69	21.60	
10	256QAM	1	0	20.09	20.03	20.18	20.7
10	256QAM	1	25	20.07	20.04	20.21	
10	256QAM	1	49	20.14	20.15	19.93	
10	256QAM	25	0	19.97	19.95	19.90	20.7
10	256QAM	25	12	19.96	19.99	19.86	
10	256QAM	25	25	19.88	19.90	19.77	
10	256QAM	50	0	19.80	19.96	19.90	20.7
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.85	21.87	21.71	22.3
5	QPSK	1	12	21.64	21.69	21.73	
5	QPSK	1	24	21.84	21.73	21.64	
5	QPSK	12	0	21.74	21.85	21.69	22.3
5	QPSK	12	7	21.77	21.74	21.76	
5	QPSK	12	13	21.67	21.73	21.71	
5	QPSK	25	0	21.63	21.71	21.76	22.3
5	16QAM	1	0	21.78	21.83	21.89	
5	16QAM	1	12	22.00	21.82	21.81	
5	16QAM	1	24	21.81	21.79	21.90	22.3
5	16QAM	12	0	21.71	21.73	21.59	
5	16QAM	12	7	21.79	21.72	21.70	
5	16QAM	12	13	21.69	21.71	21.66	22.3
5	16QAM	25	0	21.80	21.75	21.58	
5	64QAM	1	0	21.84	21.71	21.75	
5	64QAM	1	12	21.95	21.81	21.66	22.3
5	64QAM	1	24	22.00	21.81	21.69	
5	64QAM	12	0	21.82	21.79	21.68	
5	64QAM	12	7	21.79	21.77	21.60	22.3
5	64QAM	12	13	21.77	21.77	21.64	
5	64QAM	25	0	21.75	21.73	21.56	
5	256QAM	1	0	20.11	20.04	20.12	20.7
5	256QAM	1	12	20.13	20.11	20.05	
5	256QAM	1	24	20.05	20.06	19.89	
5	256QAM	12	0	19.89	19.78	19.87	20.7
5	256QAM	12	7	19.90	19.91	19.81	
5	256QAM	12	13	19.88	19.83	19.85	
5	256QAM	25	0	19.75	19.98	19.91	



<LTE Band 12_Ant 0_Index 2/3/4/5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.04	24.20	24.08	
10	QPSK	1	25	23.87	23.92	23.96	25.7
10	QPSK	1	49	23.95	23.99	24.02	
10	QPSK	25	0	23.13	23.18	23.17	
10	QPSK	25	12	23.13	23.11	23.15	24.7
10	QPSK	25	25	23.09	23.09	23.16	
10	QPSK	50	0	23.10	23.17	23.16	
10	16QAM	1	0	23.36	23.24	23.37	24.7
10	16QAM	1	25	23.22	23.26	23.31	
10	16QAM	1	49	23.35	23.32	23.17	
10	16QAM	25	0	22.12	22.16	22.20	23.7
10	16QAM	25	12	22.14	22.16	22.20	
10	16QAM	25	25	22.14	22.15	22.20	
10	16QAM	50	0	22.09	22.10	22.14	23.7
10	64QAM	1	0	22.27	22.23	22.14	
10	64QAM	1	25	22.16	22.23	22.22	
10	64QAM	1	49	22.35	22.37	22.18	22.7
10	64QAM	25	0	21.10	21.13	21.18	
10	64QAM	25	12	21.10	21.14	21.16	
10	64QAM	25	25	21.12	21.14	21.17	20.7
10	64QAM	50	0	21.13	21.16	21.20	
10	256QAM	1	0	19.26	19.50	19.39	
10	256QAM	1	25	18.98	19.38	19.10	20.7
10	256QAM	1	49	18.99	19.44	19.16	
10	256QAM	25	0	19.23	19.38	19.21	
10	256QAM	25	12	19.01	19.32	19.13	20.7
10	256QAM	25	25	18.88	19.28	19.14	
10	256QAM	50	0	19.01	19.35	19.18	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.03	24.03	24.08	
5	QPSK	1	12	23.98	24.01	24.05	25.7
5	QPSK	1	24	24.05	24.06	24.05	
5	QPSK	12	0	23.12	23.08	23.14	
5	QPSK	12	7	23.12	23.11	23.14	24.7
5	QPSK	12	13	23.10	23.13	23.10	
5	QPSK	25	0	23.07	23.12	23.17	
5	16QAM	1	0	23.51	23.31	23.49	24.7
5	16QAM	1	12	23.34	23.31	23.38	
5	16QAM	1	24	23.41	23.45	23.27	
5	16QAM	12	0	22.18	22.09	22.17	23.7
5	16QAM	12	7	22.17	22.12	22.15	
5	16QAM	12	13	22.18	22.14	22.12	
5	16QAM	25	0	22.13	22.14	22.16	23.7
5	64QAM	1	0	22.38	22.24	22.44	
5	64QAM	1	12	22.27	22.26	22.32	
5	64QAM	1	24	22.32	22.38	22.25	22.7
5	64QAM	12	0	21.19	21.08	21.18	
5	64QAM	12	7	21.20	21.12	21.18	
5	64QAM	12	13	21.20	21.14	21.15	20.7
5	64QAM	25	0	21.12	21.11	21.18	
5	256QAM	1	0	19.15	19.38	19.29	
5	256QAM	1	12	18.87	19.27	18.98	20.7
5	256QAM	1	24	18.89	19.31	19.02	
5	256QAM	12	0	19.13	19.27	19.07	
5	256QAM	12	7	18.88	19.17	19.03	20.7
5	256QAM	12	13	18.75	19.15	19.02	



FCC SAR TEST REPORT

Report No. : FA380306C

5	256QAM	25	0	18.86	19.24	19.08	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.19	24.11	24.19	25.7
3	QPSK	1	8	24.10	24.11	24.10	
3	QPSK	1	14	24.17	24.19	24.19	
3	QPSK	8	0	23.25	23.18	23.19	24.7
3	QPSK	8	4	23.24	23.19	23.19	
3	QPSK	8	7	23.27	23.24	23.20	
3	QPSK	15	0	23.27	23.22	23.20	
3	16QAM	1	0	23.69	23.51	23.57	24.7
3	16QAM	1	8	23.59	23.44	23.33	
3	16QAM	1	14	23.59	23.59	23.41	
3	16QAM	8	0	22.39	22.21	22.22	23.7
3	16QAM	8	4	22.39	22.25	22.23	
3	16QAM	8	7	22.42	22.27	22.21	
3	16QAM	15	0	22.36	22.21	22.19	
3	64QAM	1	0	22.69	22.39	22.45	23.7
3	64QAM	1	8	22.57	22.37	22.32	
3	64QAM	1	14	22.56	22.46	22.31	
3	64QAM	8	0	21.46	21.23	21.28	22.7
3	64QAM	8	4	21.48	21.28	21.29	
3	64QAM	8	7	21.44	21.30	21.24	
3	64QAM	15	0	21.41	21.24	21.26	
3	256QAM	1	0	19.11	19.35	19.24	20.7
3	256QAM	1	8	18.88	19.28	18.96	
3	256QAM	1	14	18.88	19.34	19.03	
3	256QAM	8	0	19.08	19.25	19.06	20.7
3	256QAM	8	4	18.86	19.21	18.98	
3	256QAM	8	7	18.76	19.17	19.00	
3	256QAM	15	0	18.88	19.24	19.03	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.06	24.02	23.97	25.7
1.4	QPSK	1	3	23.89	23.90	23.84	
1.4	QPSK	1	5	24.04	23.99	23.95	
1.4	QPSK	3	0	23.89	23.92	23.90	
1.4	QPSK	3	1	24.01	24.07	24.02	
1.4	QPSK	3	3	23.98	24.01	24.01	
1.4	QPSK	6	0	22.98	22.96	22.95	24.7
1.4	16QAM	1	0	23.45	23.26	23.25	24.7
1.4	16QAM	1	3	23.26	23.20	23.05	
1.4	16QAM	1	5	23.41	23.28	23.12	
1.4	16QAM	3	0	23.23	23.11	23.04	
1.4	16QAM	3	1	23.17	23.13	23.03	
1.4	16QAM	3	3	23.15	23.08	22.96	
1.4	16QAM	6	0	22.15	22.03	21.99	23.7
1.4	64QAM	1	0	22.38	22.16	22.14	23.7
1.4	64QAM	1	3	22.29	22.08	22.02	
1.4	64QAM	1	5	22.39	22.14	22.11	
1.4	64QAM	3	0	22.20	22.06	22.07	
1.4	64QAM	3	1	22.12	22.05	22.03	
1.4	64QAM	3	3	22.27	22.08	21.97	
1.4	64QAM	6	0	21.14	21.04	20.93	22.7
1.4	256QAM	1	0	19.24	19.24	19.25	20.7
1.4	256QAM	1	3	18.87	19.27	18.95	
1.4	256QAM	1	5	18.88	19.29	19.01	
1.4	256QAM	3	0	19.08	19.25	19.07	
1.4	256QAM	3	1	18.89	19.20	19.02	
1.4	256QAM	3	3	18.74	19.14	19.02	
1.4	256QAM	6	0	18.91	19.23	19.06	20.7



<LTE Band 12_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	20.65	20.74	20.77	
10	QPSK	1	25	20.62	20.65	20.59	22.4
10	QPSK	1	49	20.64	20.68	20.69	
10	QPSK	25	0	20.70	20.77	20.76	
10	QPSK	25	12	20.66	20.72	20.75	22.4
10	QPSK	25	25	20.59	20.76	20.75	
10	QPSK	50	0	20.64	20.75	20.76	
10	16QAM	1	0	20.81	20.93	21.08	22.4
10	16QAM	1	25	21.02	21.15	21.01	
10	16QAM	1	49	20.99	20.97	20.97	
10	16QAM	25	0	20.73	20.76	20.79	22.4
10	16QAM	25	12	20.68	20.76	20.76	
10	16QAM	25	25	20.74	20.77	20.76	
10	16QAM	50	0	20.62	20.73	20.73	22.4
10	64QAM	1	0	20.88	20.79	20.99	
10	64QAM	1	25	20.92	20.86	20.86	
10	64QAM	1	49	21.05	20.70	20.86	22.3
10	64QAM	25	0	20.86	20.93	20.94	
10	64QAM	25	12	20.87	20.95	20.90	
10	64QAM	25	25	20.91	20.93	20.94	20.3
10	64QAM	50	0	20.87	20.97	20.95	
10	256QAM	1	0	19.15	19.17	19.18	
10	256QAM	1	25	19.01	19.02	19.07	20.3
10	256QAM	1	49	19.08	19.08	19.10	
10	256QAM	25	0	18.84	18.98	18.99	
10	256QAM	25	12	18.83	19.00	18.95	20.3
10	256QAM	25	25	18.83	18.93	18.94	
10	256QAM	50	0	18.90	18.99	18.96	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	20.57	20.67	20.77	
5	QPSK	1	12	20.62	20.60	20.56	22.4
5	QPSK	1	24	20.54	20.68	20.63	
5	QPSK	12	0	20.62	20.75	20.67	
5	QPSK	12	7	20.60	20.65	20.69	22.4
5	QPSK	12	13	20.52	20.71	20.69	
5	QPSK	25	0	20.64	20.75	20.67	
5	16QAM	1	0	20.71	20.84	20.99	22.4
5	16QAM	1	12	20.96	21.12	21.00	
5	16QAM	1	24	20.89	20.93	20.90	
5	16QAM	12	0	20.68	20.66	20.74	22.4
5	16QAM	12	7	20.64	20.76	20.76	
5	16QAM	12	13	20.68	20.72	20.76	
5	16QAM	25	0	20.61	20.73	20.69	22.4
5	64QAM	1	0	20.86	20.70	20.91	
5	64QAM	1	12	20.84	20.80	20.84	
5	64QAM	1	24	21.00	20.68	20.84	22.3
5	64QAM	12	0	20.79	20.84	20.93	
5	64QAM	12	7	20.78	20.95	20.84	
5	64QAM	12	13	20.83	20.84	20.91	20.3
5	64QAM	25	0	20.79	20.97	20.91	
5	256QAM	1	0	19.08	19.12	19.12	
5	256QAM	1	12	18.96	18.97	19.04	20.3
5	256QAM	1	24	18.98	18.98	19.03	
5	256QAM	12	0	18.74	18.89	18.95	
5	256QAM	12	7	18.82	19.00	18.93	20.3
5	256QAM	12	13	18.73	18.84	18.84	



FCC SAR TEST REPORT

Report No. : FA380306C

5	256QAM	25	0	18.84	18.98	18.86	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	20.59	20.74	20.77	22.4
3	QPSK	1	8	20.53	20.59	20.57	
3	QPSK	1	14	20.62	20.62	20.67	
3	QPSK	8	0	20.62	20.77	20.76	22.4
3	QPSK	8	4	20.61	20.70	20.66	
3	QPSK	8	7	20.56	20.73	20.73	
3	QPSK	15	0	20.55	20.65	20.66	
3	16QAM	1	0	20.81	20.86	21.01	22.4
3	16QAM	1	8	20.94	21.12	20.98	
3	16QAM	1	14	20.95	20.94	20.93	
3	16QAM	8	0	20.66	20.67	20.75	22.4
3	16QAM	8	4	20.68	20.73	20.71	
3	16QAM	8	7	20.73	20.77	20.72	
3	16QAM	15	0	20.61	20.67	20.67	
3	64QAM	1	0	20.85	20.76	20.90	
3	64QAM	1	8	20.82	20.86	20.83	22.4
3	64QAM	1	14	20.95	20.61	20.84	
3	64QAM	8	0	20.76	20.93	20.85	
3	64QAM	8	4	20.78	20.95	20.85	22.3
3	64QAM	8	7	20.82	20.87	20.84	
3	64QAM	15	0	20.85	20.93	20.93	
3	256QAM	1	0	19.08	19.15	19.13	
3	256QAM	1	8	18.94	18.93	19.00	20.3
3	256QAM	1	14	18.99	19.06	19.05	
3	256QAM	8	0	18.84	18.88	18.93	
3	256QAM	8	4	18.74	18.90	18.88	20.3
3	256QAM	8	7	18.74	18.90	18.91	
3	256QAM	15	0	18.88	18.98	18.92	
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	20.59	20.73	20.72	22.4
1.4	QPSK	1	3	20.54	20.64	20.50	
1.4	QPSK	1	5	20.62	20.63	20.68	
1.4	QPSK	3	0	20.70	20.77	20.71	
1.4	QPSK	3	1	20.59	20.68	20.68	
1.4	QPSK	3	3	20.59	20.66	20.72	
1.4	QPSK	6	0	20.56	20.66	20.71	22.4
1.4	16QAM	1	0	20.77	20.84	21.00	22.4
1.4	16QAM	1	3	20.98	21.08	20.96	
1.4	16QAM	1	5	20.96	20.95	20.97	
1.4	16QAM	3	0	20.64	20.70	20.70	
1.4	16QAM	3	1	20.64	20.73	20.76	
1.4	16QAM	3	3	20.69	20.74	20.76	
1.4	16QAM	6	0	20.59	20.73	20.65	22.4
1.4	64QAM	1	0	20.83	20.78	20.95	22.4
1.4	64QAM	1	3	20.83	20.82	20.80	
1.4	64QAM	1	5	21.04	20.66	20.83	
1.4	64QAM	3	0	20.81	20.92	20.84	
1.4	64QAM	3	1	20.78	20.86	20.80	
1.4	64QAM	3	3	20.82	20.93	20.94	
1.4	64QAM	6	0	20.78	20.87	20.95	22.3
1.4	256QAM	1	0	19.05	19.12	19.16	20.3
1.4	256QAM	1	3	18.99	19.02	19.04	
1.4	256QAM	1	5	19.02	19.07	19.04	
1.4	256QAM	3	0	18.74	18.88	18.94	
1.4	256QAM	3	1	18.73	19.00	18.92	
1.4	256QAM	3	3	18.75	18.91	18.93	
1.4	256QAM	6	0	18.83	18.99	18.94	20.3



<LTE Band 12_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	19.59	19.66	19.68	20.3
10	QPSK	1	25	19.55	19.63	19.53	
10	QPSK	1	49	19.55	19.65	19.67	
10	QPSK	25	0	19.65	19.77	19.66	20.3
10	QPSK	25	12	19.65	19.70	19.75	
10	QPSK	25	25	19.56	19.75	19.69	
10	QPSK	50	0	19.56	19.67	19.71	20.3
10	16QAM	1	0	19.79	19.93	20.01	
10	16QAM	1	25	19.94	20.13	19.91	
10	16QAM	1	49	19.90	19.90	19.96	20.3
10	16QAM	25	0	19.73	19.73	19.72	
10	16QAM	25	12	19.60	19.69	19.74	
10	16QAM	25	25	19.68	19.74	19.72	20.3
10	16QAM	50	0	19.57	19.66	19.69	
10	64QAM	1	0	19.86	19.72	19.97	
10	64QAM	1	25	19.84	19.77	19.82	20.3
10	64QAM	1	49	20.00	19.70	19.78	
10	64QAM	25	0	19.81	19.87	19.87	
10	64QAM	25	12	19.79	19.91	19.90	20.3
10	64QAM	25	25	19.91	19.85	19.93	
10	64QAM	50	0	19.87	19.90	19.86	
10	256QAM	1	0	19.06	19.16	19.16	20.3
10	256QAM	1	25	18.96	18.98	19.03	
10	256QAM	1	49	18.99	19.06	19.07	
10	256QAM	25	0	18.74	18.88	18.96	20.3
10	256QAM	25	12	18.77	18.97	18.86	
10	256QAM	25	25	18.82	18.93	18.84	
10	256QAM	50	0	18.90	18.96	18.90	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	19.57	19.67	19.67	20.3
5	QPSK	1	12	19.62	19.51	19.52	
5	QPSK	1	24	19.54	19.64	19.57	
5	QPSK	12	0	19.52	19.72	19.60	20.3
5	QPSK	12	7	19.60	19.65	19.61	
5	QPSK	12	13	19.50	19.71	19.66	
5	QPSK	25	0	19.58	19.75	19.66	20.3
5	16QAM	1	0	19.64	19.76	19.95	
5	16QAM	1	12	19.92	20.03	19.90	
5	16QAM	1	24	19.86	19.84	19.90	20.3
5	16QAM	12	0	19.63	19.62	19.66	
5	16QAM	12	7	19.64	19.72	19.69	
5	16QAM	12	13	19.59	19.68	19.74	20.3
5	16QAM	25	0	19.56	19.71	19.69	
5	64QAM	1	0	19.77	19.70	19.89	
5	64QAM	1	12	19.83	19.71	19.77	20.3
5	64QAM	1	24	19.97	19.62	19.82	
5	64QAM	12	0	19.72	19.76	19.90	
5	64QAM	12	7	19.72	19.93	19.78	20.3
5	64QAM	12	13	19.79	19.81	19.84	
5	64QAM	25	0	19.71	19.94	19.86	
5	256QAM	1	0	19.08	19.08	19.02	20.3
5	256QAM	1	12	18.95	18.93	19.01	
5	256QAM	1	24	18.89	18.90	19.02	
5	256QAM	12	0	18.71	18.89	18.92	20.3
5	256QAM	12	7	18.73	18.97	18.92	
5	256QAM	12	13	18.65	18.82	18.75	



FCC SAR TEST REPORT

Report No. : FA380306C

5	256QAM	25	0	18.82	18.97	18.81	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	19.59	19.67	19.72	20.3
3	QPSK	1	8	19.52	19.56	19.54	
3	QPSK	1	14	19.61	19.52	19.57	
3	QPSK	8	0	19.59	19.67	19.74	20.3
3	QPSK	8	4	19.54	19.64	19.61	
3	QPSK	8	7	19.47	19.73	19.65	
3	QPSK	15	0	19.45	19.56	19.65	
3	16QAM	1	0	19.75	19.76	19.96	20.3
3	16QAM	1	8	19.90	20.04	19.96	
3	16QAM	1	14	19.90	19.84	19.84	
3	16QAM	8	0	19.57	19.58	19.66	20.3
3	16QAM	8	4	19.67	19.68	19.67	
3	16QAM	8	7	19.73	19.69	19.65	
3	16QAM	15	0	19.57	19.58	19.65	
3	64QAM	1	0	19.82	19.66	19.82	20.3
3	64QAM	1	8	19.74	19.84	19.82	
3	64QAM	1	14	19.86	19.53	19.80	
3	64QAM	8	0	19.75	19.90	19.83	20.3
3	64QAM	8	4	19.77	19.88	19.76	
3	64QAM	8	7	19.78	19.78	19.78	
3	64QAM	15	0	19.82	19.89	19.88	
3	256QAM	1	0	19.07	19.12	19.10	20.3
3	256QAM	1	8	18.94	18.87	18.99	
3	256QAM	1	14	18.89	18.99	18.99	
3	256QAM	8	0	18.78	18.78	18.93	20.3
3	256QAM	8	4	18.70	18.90	18.81	
3	256QAM	8	7	18.73	18.84	18.89	
3	256QAM	15	0	18.87	18.94	18.84	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	19.55	19.70	19.62	20.3
1.4	QPSK	1	3	19.45	19.63	19.44	
1.4	QPSK	1	5	19.58	19.60	19.66	
1.4	QPSK	3	0	19.70	19.68	19.71	
1.4	QPSK	3	1	19.55	19.67	19.61	
1.4	QPSK	3	3	19.49	19.56	19.69	
1.4	QPSK	6	0	19.50	19.66	19.61	20.3
1.4	16QAM	1	0	19.76	19.78	20.00	20.3
1.4	16QAM	1	3	19.94	20.04	19.95	
1.4	16QAM	1	5	19.89	19.87	19.94	
1.4	16QAM	3	0	19.57	19.60	19.70	
1.4	16QAM	3	1	19.62	19.72	19.71	
1.4	16QAM	3	3	19.65	19.72	19.72	
1.4	16QAM	6	0	19.49	19.64	19.63	20.3
1.4	64QAM	1	0	19.75	19.72	19.93	20.3
1.4	64QAM	1	3	19.73	19.82	19.75	
1.4	64QAM	1	5	19.98	19.66	19.75	
1.4	64QAM	3	0	19.74	19.89	19.79	
1.4	64QAM	3	1	19.69	19.76	19.71	
1.4	64QAM	3	3	19.72	19.92	19.84	
1.4	64QAM	6	0	19.78	19.78	19.91	20.3
1.4	256QAM	1	0	19.04	19.10	19.13	20.3
1.4	256QAM	1	3	18.95	19.00	19.02	
1.4	256QAM	1	5	19.00	19.07	18.94	
1.4	256QAM	3	0	18.71	18.83	18.85	
1.4	256QAM	3	1	18.72	18.99	18.85	
1.4	256QAM	3	3	18.73	18.83	18.92	
1.4	256QAM	6	0	18.73	18.89	18.86	20.3



<LTE Band 12_Ant 1_Index 4/5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.71	23.77	23.82	
10	QPSK	1	25	23.58	23.68	23.63	25.3
10	QPSK	1	49	23.68	23.74	23.73	
10	QPSK	25	0	22.80	22.82	22.88	
10	QPSK	25	12	22.73	22.78	22.85	24.3
10	QPSK	25	25	22.72	22.80	22.85	
10	QPSK	50	0	22.73	22.81	22.87	
10	16QAM	1	0	22.90	22.97	23.12	24.3
10	16QAM	1	25	22.99	23.07	22.89	
10	16QAM	1	49	23.08	22.94	22.98	
10	16QAM	25	0	21.79	21.85	21.85	23.3
10	16QAM	25	12	21.79	21.87	21.86	
10	16QAM	25	25	21.81	21.87	21.87	
10	16QAM	50	0	21.72	21.81	21.86	23.3
10	64QAM	1	0	21.87	22.06	22.19	
10	64QAM	1	25	22.05	22.08	21.89	
10	64QAM	1	49	22.24	21.96	22.04	22.3
10	64QAM	25	0	20.79	20.86	20.85	
10	64QAM	25	12	20.78	20.84	20.84	
10	64QAM	25	25	20.81	20.82	20.83	22.3
10	64QAM	50	0	20.76	20.83	20.86	
10	256QAM	1	0	19.20	19.25	19.24	
10	256QAM	1	25	19.06	19.08	19.10	20.3
10	256QAM	1	49	19.11	19.12	19.13	
10	256QAM	25	0	18.93	19.05	19.05	
10	256QAM	25	12	18.91	19.01	18.98	20.3
10	256QAM	25	25	18.88	18.98	18.96	
10	256QAM	50	0	19.00	19.00	18.98	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.66	23.75	23.76	
5	QPSK	1	12	23.63	23.77	23.75	25.3
5	QPSK	1	24	23.64	23.78	23.78	
5	QPSK	12	0	22.72	22.85	22.83	
5	QPSK	12	7	22.75	22.85	22.85	24.3
5	QPSK	12	13	22.74	22.83	22.84	
5	QPSK	25	0	22.73	22.79	22.92	
5	16QAM	1	0	22.97	23.17	23.06	24.3
5	16QAM	1	12	22.91	23.10	22.92	
5	16QAM	1	24	22.96	23.09	23.04	
5	16QAM	12	0	21.74	21.91	21.86	23.3
5	16QAM	12	7	21.77	21.91	21.89	
5	16QAM	12	13	21.82	21.87	21.89	
5	16QAM	25	0	21.79	21.84	21.91	23.3
5	64QAM	1	0	21.85	22.07	21.87	
5	64QAM	1	12	21.86	21.99	21.84	
5	64QAM	1	24	21.98	21.95	21.95	22.3
5	64QAM	12	0	20.74	20.93	20.89	
5	64QAM	12	7	20.78	20.94	20.89	
5	64QAM	12	13	20.82	20.91	20.88	22.3
5	64QAM	25	0	20.77	20.88	20.89	
5	256QAM	1	0	19.03	19.10	19.17	
5	256QAM	1	12	18.96	19.11	19.06	20.3
5	256QAM	1	24	18.95	19.12	19.08	
5	256QAM	12	0	18.88	19.03	19.05	
5	256QAM	12	7	18.84	19.04	19.03	20.3
5	256QAM	12	13	18.86	19.01	19.03	



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Report No. : FA380306C

5	256QAM	25	0	18.86	18.97	19.07	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.62	23.74	23.74	25.3
3	QPSK	1	8	23.45	23.60	23.59	
3	QPSK	1	14	23.52	23.68	23.66	
3	QPSK	8	0	22.88	22.97	22.97	24.3
3	QPSK	8	4	22.92	22.98	22.99	
3	QPSK	8	7	22.90	22.98	23.00	
3	QPSK	15	0	22.95	22.98	23.01	
3	16QAM	1	0	23.23	23.39	23.23	24.3
3	16QAM	1	8	23.03	23.27	23.11	
3	16QAM	1	14	23.19	23.36	23.28	
3	16QAM	8	0	21.91	22.07	21.99	23.3
3	16QAM	8	4	21.97	22.09	21.98	
3	16QAM	8	7	21.99	22.07	22.02	
3	16QAM	15	0	21.96	22.04	22.00	
3	64QAM	1	0	22.24	22.29	22.20	23.3
3	64QAM	1	8	22.09	22.26	22.05	
3	64QAM	1	14	22.15	22.30	22.21	
3	64QAM	8	0	20.96	21.07	21.02	22.3
3	64QAM	8	4	20.97	21.15	21.05	
3	64QAM	8	7	21.02	21.12	21.07	
3	64QAM	15	0	20.97	21.14	21.04	
3	256QAM	1	0	18.98	19.14	19.15	20.3
3	256QAM	1	8	18.91	19.13	19.04	
3	256QAM	1	14	18.96	19.19	19.12	
3	256QAM	8	0	18.88	19.03	19.01	20.3
3	256QAM	8	4	18.86	19.05	18.98	
3	256QAM	8	7	18.85	19.04	18.99	
3	256QAM	15	0	18.88	18.97	19.01	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.68	23.81	23.74	25.3
1.4	QPSK	1	3	23.60	23.70	23.66	
1.4	QPSK	1	5	23.68	23.80	23.77	
1.4	QPSK	3	0	23.61	23.70	23.67	
1.4	QPSK	3	1	23.69	23.79	23.79	
1.4	QPSK	3	3	23.62	23.78	23.73	
1.4	QPSK	6	0	22.67	22.73	22.71	24.3
1.4	16QAM	1	0	22.97	23.12	22.93	24.3
1.4	16QAM	1	3	22.94	22.97	22.83	
1.4	16QAM	1	5	22.98	23.11	23.00	
1.4	16QAM	3	0	22.76	22.88	22.78	
1.4	16QAM	3	1	22.80	22.97	22.80	
1.4	16QAM	3	3	22.78	22.87	22.74	
1.4	16QAM	6	0	21.77	21.84	21.82	23.3
1.4	64QAM	1	0	21.93	22.00	21.84	23.3
1.4	64QAM	1	3	21.87	21.95	21.84	
1.4	64QAM	1	5	21.89	22.04	21.95	
1.4	64QAM	3	0	21.79	21.93	21.82	
1.4	64QAM	3	1	21.80	21.92	21.77	
1.4	64QAM	3	3	21.80	21.93	21.86	
1.4	64QAM	6	0	20.69	20.82	20.75	22.3
1.4	256QAM	1	0	18.94	19.15	19.06	20.3
1.4	256QAM	1	3	18.96	19.05	18.93	
1.4	256QAM	1	5	18.94	19.06	19.04	
1.4	256QAM	3	0	18.83	19.11	19.02	
1.4	256QAM	3	1	18.82	19.07	18.96	
1.4	256QAM	3	3	18.88	19.10	19.03	
1.4	256QAM	6	0	18.80	18.99	18.96	20.3



<LTE Band 13_Ant 0_Index 2/3/5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			25.7
Frequency (MHz)				782			
10	QPSK	1	0		24.15		25.7
10	QPSK	1	25		23.91		
10	QPSK	1	49		23.97		
10	QPSK	25	0		23.27		24.7
10	QPSK	25	12		23.17		
10	QPSK	25	25		23.13		
10	QPSK	50	0		23.25		24.7
10	16QAM	1	0		23.19		
10	16QAM	1	25		23.29		
10	16QAM	1	49		23.26		24.7
10	16QAM	25	0		22.26		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.20		23.7
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.21		
10	64QAM	1	25		22.27		23.7
10	64QAM	1	49		22.25		
10	64QAM	25	0		21.23		
10	64QAM	25	12		21.21		22.7
10	64QAM	25	25		21.19		
10	64QAM	50	0		21.25		
10	256QAM	1	0		19.37		20.7
10	256QAM	1	25		19.32		
10	256QAM	1	49		19.35		
10	256QAM	25	0		19.38		20.7
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.29		
10	256QAM	50	0		19.31		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.08	24.07	24.09	25.7
5	QPSK	1	12	24.07	24.04	24.06	
5	QPSK	1	24	24.12	24.07	24.09	
5	QPSK	12	0	23.12	23.19	23.20	24.7
5	QPSK	12	7	23.19	23.18	23.19	
5	QPSK	12	13	23.18	23.14	23.16	
5	QPSK	25	0	23.26	23.16	23.17	24.7
5	16QAM	1	0	23.22	23.35	23.48	
5	16QAM	1	12	23.34	23.38	23.39	
5	16QAM	1	24	23.43	23.34	23.34	24.7
5	16QAM	12	0	22.13	22.21	22.26	
5	16QAM	12	7	22.24	22.21	22.25	
5	16QAM	12	13	22.25	22.22	22.20	23.7
5	16QAM	25	0	22.25	22.23	22.22	
5	64QAM	1	0	22.28	22.29	22.42	
5	64QAM	1	12	22.31	22.33	22.34	23.7
5	64QAM	1	24	22.42	22.35	22.31	
5	64QAM	12	0	21.16	21.29	21.34	
5	64QAM	12	7	21.21	21.29	21.29	22.7
5	64QAM	12	13	21.24	21.32	21.29	
5	64QAM	25	0	21.22	21.23	21.27	
5	256QAM	1	0	19.33	19.35	19.47	20.7
5	256QAM	1	12	19.25	19.27	19.40	
5	256QAM	1	24	19.35	19.31	19.32	
5	256QAM	12	0	19.30	19.27	19.39	20.7
5	256QAM	12	7	19.20	19.30	19.35	
5	256QAM	12	13	19.16	19.23	19.26	
5	256QAM	25	0	19.25	19.28	19.24	



<LTE Band 13_Ant 0_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			24.6
Frequency (MHz)				782			
10	QPSK	1	0		24.15		24.6
10	QPSK	1	25		23.91		
10	QPSK	1	49		23.97		
10	QPSK	25	0		23.27		24.6
10	QPSK	25	12		23.17		
10	QPSK	25	25		23.13		
10	QPSK	50	0		23.25		24.6
10	16QAM	1	0		23.19		
10	16QAM	1	25		23.29		
10	16QAM	1	49		23.26		23.7
10	16QAM	25	0		22.26		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.20		23.7
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.21		
10	64QAM	1	25		22.27		23.7
10	64QAM	1	49		22.25		
10	64QAM	25	0		21.23		
10	64QAM	25	12		21.21		22.7
10	64QAM	25	25		21.19		
10	64QAM	50	0		21.25		
10	256QAM	1	0		19.37		20.7
10	256QAM	1	25		19.32		
10	256QAM	1	49		19.35		
10	256QAM	25	0		19.38		20.7
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.29		
10	256QAM	50	0		19.31		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.08	24.07	24.09	24.6
5	QPSK	1	12	24.07	24.04	24.06	
5	QPSK	1	24	24.12	24.07	24.09	
5	QPSK	12	0	23.12	23.19	23.20	24.6
5	QPSK	12	7	23.19	23.18	23.19	
5	QPSK	12	13	23.18	23.14	23.16	
5	QPSK	25	0	23.26	23.16	23.17	24.6
5	16QAM	1	0	23.22	23.35	23.48	
5	16QAM	1	12	23.34	23.38	23.39	
5	16QAM	1	24	23.43	23.34	23.34	23.7
5	16QAM	12	0	22.13	22.21	22.26	
5	16QAM	12	7	22.24	22.21	22.25	
5	16QAM	12	13	22.25	22.22	22.20	23.7
5	16QAM	25	0	22.25	22.23	22.22	
5	64QAM	1	0	22.28	22.29	22.42	
5	64QAM	1	12	22.31	22.33	22.34	23.7
5	64QAM	1	24	22.42	22.35	22.31	
5	64QAM	12	0	21.16	21.29	21.34	
5	64QAM	12	7	21.21	21.29	21.29	22.7
5	64QAM	12	13	21.24	21.32	21.29	
5	64QAM	25	0	21.22	21.23	21.27	
5	256QAM	1	0	19.33	19.35	19.47	20.7
5	256QAM	1	12	19.25	19.27	19.40	
5	256QAM	1	24	19.35	19.31	19.32	
5	256QAM	12	0	19.30	19.27	19.39	20.7
5	256QAM	12	7	19.20	19.30	19.35	
5	256QAM	12	13	19.16	19.23	19.26	
5	256QAM	25	0	19.25	19.28	19.24	



<LTE Band 13_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			23.1
Frequency (MHz)				782			
10	QPSK	1	0		21.70		23.1
10	QPSK	1	25		21.64		
10	QPSK	1	49		21.70		
10	QPSK	25	0		21.72		23.1
10	QPSK	25	12		21.71		
10	QPSK	25	25		21.70		
10	QPSK	50	0		21.75		23.1
10	16QAM	1	0		21.79		
10	16QAM	1	25		21.79		
10	16QAM	1	49		21.87		23.1
10	16QAM	25	0		21.72		
10	16QAM	25	12		21.73		
10	16QAM	25	25		21.74		23.1
10	16QAM	50	0		21.72		
10	64QAM	1	0		21.80		
10	64QAM	1	25		21.74		23.1
10	64QAM	1	49		21.79		
10	64QAM	25	0		20.91		
10	64QAM	25	12		20.92		22.2
10	64QAM	25	25		20.89		
10	64QAM	50	0		20.93		
10	256QAM	1	0		19.18		20.2
10	256QAM	1	25		19.20		
10	256QAM	1	49		19.23		
10	256QAM	25	0		19.12		20.2
10	256QAM	25	12		19.11		
10	256QAM	25	25		19.01		
10	256QAM	50	0		19.12		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	21.70	21.67	21.70	23.1
5	QPSK	1	12	21.55	21.57	21.57	
5	QPSK	1	24	21.70	21.67	21.69	
5	QPSK	12	0	21.67	21.68	21.65	23.1
5	QPSK	12	7	21.68	21.64	21.66	
5	QPSK	12	13	21.64	21.61	21.61	
5	QPSK	25	0	21.65	21.67	21.75	23.1
5	16QAM	1	0	21.77	21.78	21.78	
5	16QAM	1	12	21.77	21.69	21.70	
5	16QAM	1	24	21.86	21.85	21.81	23.1
5	16QAM	12	0	21.66	21.63	21.69	
5	16QAM	12	7	21.68	21.73	21.68	
5	16QAM	12	13	21.72	21.68	21.69	23.1
5	16QAM	25	0	21.71	21.68	21.68	
5	64QAM	1	0	21.70	21.71	21.72	
5	64QAM	1	12	21.70	21.70	21.65	23.1
5	64QAM	1	24	21.76	21.72	21.79	
5	64QAM	12	0	20.89	20.91	20.82	
5	64QAM	12	7	20.84	20.87	20.92	22.2
5	64QAM	12	13	20.88	20.81	20.89	
5	64QAM	25	0	20.85	20.93	20.87	
5	256QAM	1	0	19.08	19.16	19.11	20.2
5	256QAM	1	12	19.17	19.18	19.16	
5	256QAM	1	24	19.21	19.23	19.23	
5	256QAM	12	0	19.06	19.03	19.07	20.2
5	256QAM	12	7	19.02	19.06	19.07	
5	256QAM	12	13	19.01	18.97	18.92	
5	256QAM	25	0	19.11	19.09	19.08	



<LTE Band 13_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			21
Frequency (MHz)				782			
10	QPSK	1	0		20.65		21
10	QPSK	1	25		20.57		
10	QPSK	1	49		20.64		
10	QPSK	25	0		20.70		21
10	QPSK	25	12		20.61		
10	QPSK	25	25		20.63		
10	QPSK	50	0		20.73		21
10	16QAM	1	0		20.78		
10	16QAM	1	25		20.72		
10	16QAM	1	49		20.78		21
10	16QAM	25	0		20.71		
10	16QAM	25	12		20.63		
10	16QAM	25	25		20.73		21
10	16QAM	50	0		20.68		
10	64QAM	1	0		20.75		
10	64QAM	1	25		20.70		21
10	64QAM	1	49		20.73		
10	64QAM	25	0		20.85		
10	64QAM	25	12		20.87		21
10	64QAM	25	25		20.89		
10	64QAM	50	0		20.89		
10	256QAM	1	0		19.17		20.2
10	256QAM	1	25		19.19		
10	256QAM	1	49		19.16		
10	256QAM	25	0		19.05		20.2
10	256QAM	25	12		19.03		
10	256QAM	25	25		18.98		
10	256QAM	50	0		19.03		
Channel				23205	23230	23255	21
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	20.63	20.62	20.67	21
5	QPSK	1	12	20.47	20.51	20.53	
5	QPSK	1	24	20.61	20.60	20.63	
5	QPSK	12	0	20.59	20.60	20.65	21
5	QPSK	12	7	20.61	20.55	20.64	
5	QPSK	12	13	20.60	20.53	20.58	
5	QPSK	25	0	20.62	20.67	20.74	21
5	16QAM	1	0	20.72	20.78	20.78	
5	16QAM	1	12	20.72	20.64	20.62	
5	16QAM	1	24	20.76	20.77	20.79	21
5	16QAM	12	0	20.56	20.57	20.59	
5	16QAM	12	7	20.60	20.65	20.61	
5	16QAM	12	13	20.62	20.64	20.64	21
5	16QAM	25	0	20.70	20.63	20.61	
5	64QAM	1	0	20.63	20.66	20.67	
5	64QAM	1	12	20.66	20.70	20.61	21
5	64QAM	1	24	20.68	20.65	20.73	
5	64QAM	12	0	20.80	20.84	20.78	
5	64QAM	12	7	20.75	20.79	20.86	21
5	64QAM	12	13	20.87	20.79	20.80	
5	64QAM	25	0	20.78	20.78	20.82	
5	256QAM	1	0	19.02	19.12	19.04	20.2
5	256QAM	1	12	19.09	19.09	19.11	
5	256QAM	1	24	19.18	19.21	19.17	
5	256QAM	12	0	18.99	18.95	19.01	20.2
5	256QAM	12	7	18.99	18.97	18.99	
5	256QAM	12	13	18.98	18.87	18.92	
5	256QAM	25	0	19.01	19.08	19.03	



<LTE Band 13_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			24.5
Frequency (MHz)				782			
10	QPSK	1	0		23.85		24.5
10	QPSK	1	25		23.70		
10	QPSK	1	49		23.79		
10	QPSK	25	0		22.97		24.2
10	QPSK	25	12		22.95		
10	QPSK	25	25		22.95		
10	QPSK	50	0		23.01		24.2
10	16QAM	1	0		23.01		
10	16QAM	1	25		23.05		
10	16QAM	1	49		23.11		23.2
10	16QAM	25	0		21.97		
10	16QAM	25	12		22.00		
10	16QAM	25	25		22.00		23.2
10	16QAM	50	0		22.01		
10	64QAM	1	0		21.97		
10	64QAM	1	25		22.02		23.2
10	64QAM	1	49		21.93		
10	64QAM	25	0		21.01		
10	64QAM	25	12		21.00		22.2
10	64QAM	25	25		21.01		
10	64QAM	50	0		21.04		
10	256QAM	1	0		19.23		20.2
10	256QAM	1	25		19.22		
10	256QAM	1	49		19.32		
10	256QAM	25	0		19.19		20.2
10	256QAM	25	12		19.18		
10	256QAM	25	25		19.11		
10	256QAM	50	0		19.21		
Channel				23205	23230	23255	24.5
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.76	23.76	23.80	24.5
5	QPSK	1	12	23.76	23.72	23.81	
5	QPSK	1	24	23.75	23.78	23.82	
5	QPSK	12	0	22.81	22.82	22.87	24.2
5	QPSK	12	7	22.84	22.84	22.87	
5	QPSK	12	13	22.83	22.84	22.87	
5	QPSK	25	0	22.84	22.87	22.89	24.2
5	16QAM	1	0	22.92	23.10	23.09	
5	16QAM	1	12	22.99	23.02	23.11	
5	16QAM	1	24	22.99	23.02	23.11	23.2
5	16QAM	12	0	21.87	21.90	21.86	
5	16QAM	12	7	21.92	21.87	21.94	
5	16QAM	12	13	21.90	21.88	21.95	23.2
5	16QAM	25	0	21.88	21.90	21.94	
5	64QAM	1	0	21.84	21.95	21.96	
5	64QAM	1	12	21.93	21.93	21.93	23.2
5	64QAM	1	24	21.89	21.91	21.98	
5	64QAM	12	0	20.89	20.97	20.91	
5	64QAM	12	7	20.91	20.93	20.98	22.2
5	64QAM	12	13	20.88	20.91	20.97	
5	64QAM	25	0	20.87	20.89	20.92	
5	256QAM	1	0	19.23	19.25	19.33	20.2
5	256QAM	1	12	19.23	19.25	19.21	
5	256QAM	1	24	19.30	19.12	19.33	
5	256QAM	12	0	19.19	19.24	19.27	20.2
5	256QAM	12	7	19.19	19.24	19.21	
5	256QAM	12	13	19.14	19.19	19.22	
5	256QAM	25	0	19.19	19.17	19.23	



<LTE Band 13_Ant 1_Index 5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			25.2
Frequency (MHz)				782			
10	QPSK	1	0		23.85		25.2
10	QPSK	1	25		23.70		
10	QPSK	1	49		23.79		
10	QPSK	25	0		22.97		24.2
10	QPSK	25	12		22.95		
10	QPSK	25	25		22.95		
10	QPSK	50	0		23.01		24.2
10	16QAM	1	0		23.01		
10	16QAM	1	25		23.05		
10	16QAM	1	49		23.11		23.2
10	16QAM	25	0		21.97		
10	16QAM	25	12		22.00		
10	16QAM	25	25		22.00		23.2
10	16QAM	50	0		22.01		
10	64QAM	1	0		21.97		
10	64QAM	1	25		22.02		23.2
10	64QAM	1	49		21.93		
10	64QAM	25	0		21.01		
10	64QAM	25	12		21.00		22.2
10	64QAM	25	25		21.01		
10	64QAM	50	0		21.04		
10	256QAM	1	0		19.23		20.2
10	256QAM	1	25		19.22		
10	256QAM	1	49		19.32		
10	256QAM	25	0		19.19		20.2
10	256QAM	25	12		19.18		
10	256QAM	25	25		19.11		
10	256QAM	50	0		19.21		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.76	23.76	23.80	25.2
5	QPSK	1	12	23.76	23.72	23.81	
5	QPSK	1	24	23.75	23.78	23.82	
5	QPSK	12	0	22.81	22.82	22.87	24.2
5	QPSK	12	7	22.84	22.84	22.87	
5	QPSK	12	13	22.83	22.84	22.87	
5	QPSK	25	0	22.84	22.87	22.89	24.2
5	16QAM	1	0	22.92	23.10	23.09	
5	16QAM	1	12	22.99	23.02	23.11	
5	16QAM	1	24	22.99	23.02	23.11	23.2
5	16QAM	12	0	21.87	21.90	21.86	
5	16QAM	12	7	21.92	21.87	21.94	
5	16QAM	12	13	21.90	21.88	21.95	23.2
5	16QAM	25	0	21.88	21.90	21.94	
5	64QAM	1	0	21.84	21.95	21.96	
5	64QAM	1	12	21.93	21.93	21.93	23.2
5	64QAM	1	24	21.89	21.91	21.98	
5	64QAM	12	0	20.89	20.97	20.91	
5	64QAM	12	7	20.91	20.93	20.98	22.2
5	64QAM	12	13	20.88	20.91	20.97	
5	64QAM	25	0	20.87	20.89	20.92	
5	256QAM	1	0	19.23	19.25	19.33	20.2
5	256QAM	1	12	19.23	19.25	19.21	
5	256QAM	1	24	19.30	19.12	19.33	
5	256QAM	12	0	19.19	19.24	19.27	20.2
5	256QAM	12	7	19.19	19.24	19.21	
5	256QAM	12	13	19.14	19.19	19.22	
5	256QAM	25	0	19.19	19.17	19.23	



<LTE Band 14_Ant 0_Index 2/3/5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			25.7
Frequency (MHz)				793			
10	QPSK	1	0		24.14		25.7
10	QPSK	1	25		23.91		
10	QPSK	1	49		23.96		
10	QPSK	25	0		23.11		24.7
10	QPSK	25	12		23.06		
10	QPSK	25	25		23.10		
10	QPSK	50	0		23.18		24.7
10	16QAM	1	0		23.35		
10	16QAM	1	25		23.28		
10	16QAM	1	49		23.17		23.7
10	16QAM	25	0		22.18		
10	16QAM	25	12		22.17		
10	16QAM	25	25		22.14		23.7
10	16QAM	50	0		22.12		
10	64QAM	1	0		22.19		
10	64QAM	1	25		22.12		23.7
10	64QAM	1	49		22.25		
10	64QAM	25	0		21.17		
10	64QAM	25	12		21.17		22.7
10	64QAM	25	25		21.12		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.24		20.7
10	256QAM	1	25		19.07		
10	256QAM	1	49		19.08		
10	256QAM	25	0		19.17		20.7
10	256QAM	25	12		19.15		
10	256QAM	25	25		19.12		
10	256QAM	50	0		19.16		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.03	24.11	24.12	25.7
5	QPSK	1	12	24.00	23.99	24.03	
5	QPSK	1	24	24.03	24.01	24.05	
5	QPSK	12	0	23.07	23.13	23.11	24.7
5	QPSK	12	7	23.08	23.14	23.11	
5	QPSK	12	13	23.07	23.09	23.11	
5	QPSK	25	0	23.12	23.12	23.12	24.7
5	16QAM	1	0	23.25	23.45	23.40	
5	16QAM	1	12	23.31	23.37	23.33	
5	16QAM	1	24	23.33	23.26	23.29	23.7
5	16QAM	12	0	22.14	22.17	22.17	
5	16QAM	12	7	22.16	22.16	22.16	
5	16QAM	12	13	22.12	22.16	22.17	23.7
5	16QAM	25	0	22.14	22.17	22.16	
5	64QAM	1	0	22.25	22.32	22.26	
5	64QAM	1	12	22.33	22.23	22.18	23.7
5	64QAM	1	24	22.25	22.22	22.24	
5	64QAM	12	0	21.19	21.20	21.18	
5	64QAM	12	7	21.21	21.18	21.16	22.7
5	64QAM	12	13	21.19	21.14	21.17	
5	64QAM	25	0	21.16	21.14	21.16	
5	256QAM	1	0	19.24	19.27	19.22	20.7
5	256QAM	1	12	19.18	19.14	19.11	
5	256QAM	1	24	19.15	19.11	19.13	
5	256QAM	12	0	19.23	19.20	19.23	20.7
5	256QAM	12	7	19.23	19.17	19.18	
5	256QAM	12	13	19.22	19.18	19.14	
5	256QAM	25	0	19.15	19.14	19.15	



<LTE Band 14_Ant 0_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			24.3
Frequency (MHz)				793			
10	QPSK	1	0		24.14		24.3
10	QPSK	1	25		23.91		
10	QPSK	1	49		23.96		
10	QPSK	25	0		23.11		24.3
10	QPSK	25	12		23.06		
10	QPSK	25	25		23.10		
10	QPSK	50	0		23.18		24.3
10	16QAM	1	0		23.35		
10	16QAM	1	25		23.28		
10	16QAM	1	49		23.17		23.7
10	16QAM	25	0		22.18		
10	16QAM	25	12		22.17		
10	16QAM	25	25		22.14		23.7
10	16QAM	50	0		22.12		
10	64QAM	1	0		22.19		
10	64QAM	1	25		22.12		23.7
10	64QAM	1	49		22.25		
10	64QAM	25	0		21.17		
10	64QAM	25	12		21.17		22.7
10	64QAM	25	25		21.12		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.24		20.7
10	256QAM	1	25		19.07		
10	256QAM	1	49		19.08		
10	256QAM	25	0		19.17		20.7
10	256QAM	25	12		19.15		
10	256QAM	25	25		19.12		
10	256QAM	50	0		19.16		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.03	24.11	24.12	24.3
5	QPSK	1	12	24.00	23.99	24.03	
5	QPSK	1	24	24.03	24.01	24.05	
5	QPSK	12	0	23.07	23.13	23.11	24.3
5	QPSK	12	7	23.08	23.14	23.11	
5	QPSK	12	13	23.07	23.09	23.11	
5	QPSK	25	0	23.12	23.12	23.12	24.3
5	16QAM	1	0	23.25	23.45	23.40	
5	16QAM	1	12	23.31	23.37	23.33	
5	16QAM	1	24	23.33	23.26	23.29	23.7
5	16QAM	12	0	22.14	22.17	22.17	
5	16QAM	12	7	22.16	22.16	22.16	
5	16QAM	12	13	22.12	22.16	22.17	23.7
5	16QAM	25	0	22.14	22.17	22.16	
5	64QAM	1	0	22.25	22.32	22.26	
5	64QAM	1	12	22.33	22.23	22.18	23.7
5	64QAM	1	24	22.25	22.22	22.24	
5	64QAM	12	0	21.19	21.20	21.18	
5	64QAM	12	7	21.21	21.18	21.16	22.7
5	64QAM	12	13	21.19	21.14	21.17	
5	64QAM	25	0	21.16	21.14	21.16	
5	256QAM	1	0	19.24	19.27	19.22	20.7
5	256QAM	1	12	19.18	19.14	19.11	
5	256QAM	1	24	19.15	19.11	19.13	
5	256QAM	12	0	19.23	19.20	19.23	20.7
5	256QAM	12	7	19.23	19.17	19.18	
5	256QAM	12	13	19.22	19.18	19.14	
5	256QAM	25	0	19.15	19.14	19.15	



<LTE Band 14_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			21.5
Frequency (MHz)				793			
10	QPSK	1	0		20.31		21.5
10	QPSK	1	25		20.22		
10	QPSK	1	49		20.27		
10	QPSK	25	0		20.40		21.5
10	QPSK	25	12		20.37		
10	QPSK	25	25		20.33		
10	QPSK	50	0		20.38		21.5
10	16QAM	1	0		20.49		
10	16QAM	1	25		20.44		
10	16QAM	1	49		20.40		21.5
10	16QAM	25	0		20.39		
10	16QAM	25	12		20.36		
10	16QAM	25	25		20.35		21.5
10	16QAM	50	0		20.32		
10	64QAM	1	0		20.35		
10	64QAM	1	25		20.35		21.5
10	64QAM	1	49		20.47		
10	64QAM	25	0		20.32		
10	64QAM	25	12		20.32		21.5
10	64QAM	25	25		20.32		
10	64QAM	50	0		20.33		
10	256QAM	1	0		19.29		20.2
10	256QAM	1	25		19.20		
10	256QAM	1	49		19.17		
10	256QAM	25	0		19.22		20.2
10	256QAM	25	12		19.11		
10	256QAM	25	25		19.15		
10	256QAM	50	0		19.15		
Channel				23305	23330	23355	21.5
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	20.22	20.30	20.26	21.5
5	QPSK	1	12	20.16	20.13	20.16	
5	QPSK	1	24	20.25	20.17	20.19	
5	QPSK	12	0	20.31	20.32	20.38	21.5
5	QPSK	12	7	20.31	20.32	20.29	
5	QPSK	12	13	20.26	20.25	20.30	
5	QPSK	25	0	20.36	20.31	20.28	21.5
5	16QAM	1	0	20.39	20.47	20.39	
5	16QAM	1	12	20.35	20.41	20.44	
5	16QAM	1	24	20.40	20.40	20.40	21.5
5	16QAM	12	0	20.39	20.33	20.34	
5	16QAM	12	7	20.36	20.33	20.36	
5	16QAM	12	13	20.34	20.25	20.28	21.5
5	16QAM	25	0	20.28	20.24	20.29	
5	64QAM	1	0	20.26	20.35	20.30	
5	64QAM	1	12	20.33	20.25	20.25	21.5
5	64QAM	1	24	20.39	20.40	20.47	
5	64QAM	12	0	20.22	20.24	20.23	
5	64QAM	12	7	20.25	20.25	20.28	21.5
5	64QAM	12	13	20.25	20.32	20.27	
5	64QAM	25	0	20.33	20.31	20.26	
5	256QAM	1	0	19.23	19.21	19.29	20.2
5	256QAM	1	12	19.11	19.13	19.12	
5	256QAM	1	24	19.08	19.15	19.16	
5	256QAM	12	0	19.12	19.17	19.20	20.2
5	256QAM	12	7	19.08	19.07	19.04	
5	256QAM	12	13	19.09	19.12	19.09	
5	256QAM	25	0	19.06	19.05	19.12	



<LTE Band 14_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			19.4
Frequency (MHz)				793			
10	QPSK	1	0		19.25		19.4
10	QPSK	1	25		19.18		
10	QPSK	1	49		19.24		
10	QPSK	25	0		19.37		19.4
10	QPSK	25	12		19.33		
10	QPSK	25	25		19.31		
10	QPSK	50	0		19.38		19.4
10	16QAM	1	0		19.26		
10	16QAM	1	25		19.16		
10	16QAM	1	49		19.35		19.4
10	16QAM	25	0		19.34		
10	16QAM	25	12		19.28		
10	16QAM	25	25		19.28		19.4
10	16QAM	50	0		19.26		
10	64QAM	1	0		19.25		
10	64QAM	1	25		19.30		19.4
10	64QAM	1	49		19.18		
10	64QAM	25	0		19.32		
10	64QAM	25	12		19.31		19.4
10	64QAM	25	25		19.32		
10	64QAM	50	0		19.28		
10	256QAM	1	0		19.25		19.4
10	256QAM	1	25		19.10		
10	256QAM	1	49		19.11		
10	256QAM	25	0		19.17		19.4
10	256QAM	25	12		19.09		
10	256QAM	25	25		19.09		
10	256QAM	50	0		19.14		
Channel				23305	23330	23355	19.4
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	19.13	19.29	19.22	19.4
5	QPSK	1	12	19.16	19.03	19.07	
5	QPSK	1	24	19.16	19.14	19.11	
5	QPSK	12	0	19.27	19.23	19.29	19.4
5	QPSK	12	7	19.31	19.22	19.22	
5	QPSK	12	13	19.16	19.17	19.25	
5	QPSK	25	0	19.34	19.24	19.23	19.4
5	16QAM	1	0	19.32	19.25	19.30	
5	16QAM	1	12	19.29	19.17	19.15	
5	16QAM	1	24	19.23	19.23	19.25	19.4
5	16QAM	12	0	19.29	19.27	19.27	
5	16QAM	12	7	19.34	19.24	19.26	
5	16QAM	12	13	19.30	19.15	19.26	19.4
5	16QAM	25	0	19.22	19.23	19.25	
5	64QAM	1	0	19.23	19.32	19.30	
5	64QAM	1	12	19.31	19.20	19.20	19.4
5	64QAM	1	24	19.25	19.26	19.21	
5	64QAM	12	0	19.20	19.20	19.16	
5	64QAM	12	7	19.24	19.22	19.28	19.4
5	64QAM	12	13	19.20	19.23	19.23	
5	64QAM	25	0	19.26	19.31	19.18	
5	256QAM	1	0	19.23	19.13	19.24	19.4
5	256QAM	1	12	19.07	19.09	19.10	
5	256QAM	1	24	18.99	19.11	19.06	
5	256QAM	12	0	19.12	19.13	19.17	19.4
5	256QAM	12	7	19.06	18.98	19.03	
5	256QAM	12	13	19.08	19.02	19.09	
5	256QAM	25	0	19.01	18.95	19.09	



<LTE Band 14_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			25.1
Frequency (MHz)				793			
10	QPSK	1	0		24.03		25.1
10	QPSK	1	25		23.86		
10	QPSK	1	49		23.98		
10	QPSK	25	0		23.20		24.2
10	QPSK	25	12		23.13		
10	QPSK	25	25		23.08		
10	QPSK	50	0		23.14		24.2
10	16QAM	1	0		23.20		
10	16QAM	1	25		23.22		
10	16QAM	1	49		23.30		23.2
10	16QAM	25	0		22.16		
10	16QAM	25	12		22.15		
10	16QAM	25	25		22.14		23.2
10	16QAM	50	0		22.13		
10	64QAM	1	0		22.18		
10	64QAM	1	25		22.13		23.2
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.13		
10	64QAM	25	12		21.13		22.2
10	64QAM	25	25		21.11		
10	64QAM	50	0		21.14		
10	256QAM	1	0		19.35		20.2
10	256QAM	1	25		19.26		
10	256QAM	1	49		19.27		
10	256QAM	25	0		19.25		20.2
10	256QAM	25	12		19.21		
10	256QAM	25	25		19.18		
10	256QAM	50	0		19.22		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	23.83	24.00	23.97	25.1
5	QPSK	1	12	23.83	23.96	23.97	
5	QPSK	1	24	23.87	23.99	23.99	
5	QPSK	12	0	22.86	23.00	22.99	24.2
5	QPSK	12	7	22.89	23.01	23.03	
5	QPSK	12	13	22.89	23.01	23.02	
5	QPSK	25	0	23.09	23.06	22.98	24.2
5	16QAM	1	0	23.08	23.18	23.23	
5	16QAM	1	12	23.03	23.23	23.32	
5	16QAM	1	24	23.06	23.30	23.33	23.2
5	16QAM	12	0	21.92	22.02	22.02	
5	16QAM	12	7	21.90	22.08	22.06	
5	16QAM	12	13	21.90	22.08	22.05	23.2
5	16QAM	25	0	21.96	22.10	22.05	
5	64QAM	1	0	21.97	22.11	22.17	
5	64QAM	1	12	21.97	22.08	22.17	23.2
5	64QAM	1	24	22.03	22.12	22.14	
5	64QAM	12	0	20.90	21.05	21.07	
5	64QAM	12	7	20.91	21.09	21.10	22.2
5	64QAM	12	13	20.90	21.08	21.09	
5	64QAM	25	0	20.95	21.07	21.05	
5	256QAM	1	0	19.31	19.33	19.36	20.2
5	256QAM	1	12	19.25	19.26	19.25	
5	256QAM	1	24	19.26	19.26	19.38	
5	256QAM	12	0	19.20	19.24	19.26	20.2
5	256QAM	12	7	19.15	19.21	19.22	
5	256QAM	12	13	19.13	19.22	19.24	
5	256QAM	25	0	19.16	19.22	19.23	



<LTE Band 14_Ant 1_Index 5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			25.2
Frequency (MHz)				793			
10	QPSK	1	0		24.03		25.2
10	QPSK	1	25		23.86		
10	QPSK	1	49		23.98		
10	QPSK	25	0		23.20		24.2
10	QPSK	25	12		23.13		
10	QPSK	25	25		23.08		
10	QPSK	50	0		23.14		24.2
10	16QAM	1	0		23.20		
10	16QAM	1	25		23.22		
10	16QAM	1	49		23.30		23.2
10	16QAM	25	0		22.16		
10	16QAM	25	12		22.15		
10	16QAM	25	25		22.14		23.2
10	16QAM	50	0		22.13		
10	64QAM	1	0		22.18		
10	64QAM	1	25		22.13		23.2
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.13		
10	64QAM	25	12		21.13		22.2
10	64QAM	25	25		21.11		
10	64QAM	50	0		21.14		
10	256QAM	1	0		19.35		20.2
10	256QAM	1	25		19.26		
10	256QAM	1	49		19.27		
10	256QAM	25	0		19.25		20.2
10	256QAM	25	12		19.21		
10	256QAM	25	25		19.18		
10	256QAM	50	0		19.22		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	23.83	24.00	23.97	25.2
5	QPSK	1	12	23.83	23.96	23.97	
5	QPSK	1	24	23.87	23.99	23.99	
5	QPSK	12	0	22.86	23.00	22.99	24.2
5	QPSK	12	7	22.89	23.01	23.03	
5	QPSK	12	13	22.89	23.01	23.02	
5	QPSK	25	0	23.09	23.06	22.98	24.2
5	16QAM	1	0	23.08	23.18	23.23	
5	16QAM	1	12	23.03	23.23	23.32	
5	16QAM	1	24	23.06	23.30	23.33	23.2
5	16QAM	12	0	21.92	22.02	22.02	
5	16QAM	12	7	21.90	22.08	22.06	
5	16QAM	12	13	21.90	22.08	22.05	23.2
5	16QAM	25	0	21.96	22.10	22.05	
5	64QAM	1	0	21.97	22.11	22.17	
5	64QAM	1	12	21.97	22.08	22.17	23.2
5	64QAM	1	24	22.03	22.12	22.14	
5	64QAM	12	0	20.90	21.05	21.07	
5	64QAM	12	7	20.91	21.09	21.10	22.2
5	64QAM	12	13	20.90	21.08	21.09	
5	64QAM	25	0	20.95	21.07	21.05	
5	256QAM	1	0	19.31	19.33	19.36	20.2
5	256QAM	1	12	19.25	19.26	19.25	
5	256QAM	1	24	19.26	19.26	19.38	
5	256QAM	12	0	19.20	19.24	19.26	20.2
5	256QAM	12	7	19.15	19.21	19.22	
5	256QAM	12	13	19.13	19.22	19.24	
5	256QAM	25	0	19.16	19.22	19.23	



<LTE Band 17_Ant 0_Index 2/3/4/5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.07	24.09	24.08	25.7
10	QPSK	1	25	23.93	23.94	23.94	
10	QPSK	1	49	24.04	24.01	23.99	
10	QPSK	25	0	23.16	23.20	23.17	24.7
10	QPSK	25	12	23.15	23.17	23.18	
10	QPSK	25	25	23.14	23.17	23.16	
10	QPSK	50	0	23.16	23.19	23.18	24.7
10	16QAM	1	0	23.35	23.32	23.32	
10	16QAM	1	25	23.29	23.37	23.36	
10	16QAM	1	49	23.33	23.27	23.18	23.7
10	16QAM	25	0	22.18	22.17	22.18	
10	16QAM	25	12	22.18	22.18	22.18	
10	16QAM	25	25	22.18	22.19	22.16	23.7
10	16QAM	50	0	22.13	22.13	22.14	
10	64QAM	1	0	22.19	22.14	22.28	
10	64QAM	1	25	22.18	22.19	22.23	23.7
10	64QAM	1	49	22.21	22.17	22.17	
10	64QAM	25	0	21.13	21.18	21.17	
10	64QAM	25	12	21.14	21.17	21.19	22.7
10	64QAM	25	25	21.16	21.19	21.18	
10	64QAM	50	0	21.17	21.19	21.20	
10	256QAM	1	0	19.22	19.24	19.18	20.7
10	256QAM	1	25	19.10	19.12	19.09	
10	256QAM	1	49	19.06	19.06	19.11	
10	256QAM	25	0	19.07	19.10	19.11	20.7
10	256QAM	25	12	19.06	19.07	19.06	
10	256QAM	25	25	19.07	19.06	19.05	
10	256QAM	50	0	19.05	19.08	19.07	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.97	24.02	24.03	25.7
5	QPSK	1	12	23.91	24.02	23.98	
5	QPSK	1	24	24.00	24.06	24.00	
5	QPSK	12	0	23.03	23.09	23.07	24.7
5	QPSK	12	7	23.04	23.09	23.07	
5	QPSK	12	13	23.05	23.09	23.05	
5	QPSK	25	0	23.04	23.08	23.08	24.7
5	16QAM	1	0	23.27	23.37	23.37	
5	16QAM	1	12	23.24	23.38	23.28	
5	16QAM	1	24	23.37	23.37	23.20	23.7
5	16QAM	12	0	22.04	22.10	22.12	
5	16QAM	12	7	22.08	22.15	22.13	
5	16QAM	12	13	22.11	22.16	22.10	23.7
5	16QAM	25	0	22.06	22.10	22.10	
5	64QAM	1	0	22.08	22.22	22.31	
5	64QAM	1	12	22.09	22.13	22.19	23.7
5	64QAM	1	24	22.26	22.33	22.12	
5	64QAM	12	0	21.04	21.12	21.14	
5	64QAM	12	7	21.08	21.16	21.15	22.7
5	64QAM	12	13	21.10	21.17	21.12	
5	64QAM	25	0	21.05	21.11	21.09	
5	256QAM	1	0	19.12	19.20	19.10	20.7
5	256QAM	1	12	19.02	19.02	19.04	
5	256QAM	1	24	19.03	19.05	19.01	
5	256QAM	12	0	19.05	19.06	19.06	20.7
5	256QAM	12	7	19.10	19.00	19.10	
5	256QAM	12	13	19.06	19.10	19.05	
5	256QAM	25	0	19.06	19.05	19.03	



<LTE Band 17_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	20.73	20.78	20.78	22.4
10	QPSK	1	25	20.58	20.57	20.55	
10	QPSK	1	49	20.61	20.68	20.71	
10	QPSK	25	0	20.70	20.70	20.73	22.4
10	QPSK	25	12	20.69	20.70	20.75	
10	QPSK	25	25	20.72	20.77	20.78	
10	QPSK	50	0	20.72	20.76	20.77	22.4
10	16QAM	1	0	20.99	21.09	21.03	
10	16QAM	1	25	21.02	21.00	20.94	
10	16QAM	1	49	20.86	20.96	20.93	22.4
10	16QAM	25	0	20.72	20.73	20.75	
10	16QAM	25	12	20.72	20.75	20.76	
10	16QAM	25	25	20.73	20.75	20.78	22.4
10	16QAM	50	0	20.70	20.73	20.75	
10	64QAM	1	0	20.91	21.00	20.96	
10	64QAM	1	25	20.80	20.79	20.80	22.4
10	64QAM	1	49	20.80	20.80	20.93	
10	64QAM	25	0	20.94	20.95	20.95	
10	64QAM	25	12	20.94	20.92	20.95	22.2
10	64QAM	25	25	20.92	20.90	20.93	
10	64QAM	50	0	20.94	20.95	20.96	
10	256QAM	1	0	19.02	19.23	19.21	20.2
10	256QAM	1	25	18.99	19.14	19.12	
10	256QAM	1	49	19.00	19.06	19.01	
10	256QAM	25	0	18.99	18.96	19.00	20.2
10	256QAM	25	12	18.96	18.96	18.95	
10	256QAM	25	25	18.92	18.94	18.90	
10	256QAM	50	0	18.90	18.96	18.99	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	20.68	20.76	20.75	22.4
5	QPSK	1	12	20.51	20.49	20.45	
5	QPSK	1	24	20.54	20.62	20.69	
5	QPSK	12	0	20.69	20.64	20.69	22.4
5	QPSK	12	7	20.65	20.67	20.72	
5	QPSK	12	13	20.72	20.71	20.72	
5	QPSK	25	0	20.71	20.74	20.68	22.4
5	16QAM	1	0	20.92	20.99	20.98	
5	16QAM	1	12	21.01	20.95	20.90	
5	16QAM	1	24	20.78	20.86	20.89	22.4
5	16QAM	12	0	20.71	20.64	20.68	
5	16QAM	12	7	20.70	20.75	20.66	
5	16QAM	12	13	20.73	20.71	20.71	22.4
5	16QAM	25	0	20.61	20.70	20.66	
5	64QAM	1	0	20.81	21.00	20.92	
5	64QAM	1	12	20.74	20.74	20.70	22.4
5	64QAM	1	24	20.78	20.70	20.83	
5	64QAM	12	0	20.90	20.95	20.93	
5	64QAM	12	7	20.85	20.82	20.86	22.2
5	64QAM	12	13	20.88	20.85	20.93	
5	64QAM	25	0	20.91	20.91	20.96	
5	256QAM	1	0	18.95	19.20	19.15	20.2
5	256QAM	1	12	18.90	19.11	19.03	
5	256QAM	1	24	19.00	19.04	18.92	
5	256QAM	12	0	18.90	18.87	18.90	20.2
5	256QAM	12	7	18.87	18.91	18.93	
5	256QAM	12	13	18.92	18.84	18.84	
5	256QAM	25	0	18.86	18.89	18.94	



<LTE Band 17_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	19.62	19.74	19.70	20.3
10	QPSK	1	25	19.61	19.58	19.49	
10	QPSK	1	49	19.59	19.61	19.65	
10	QPSK	25	0	19.67	19.72	19.74	20.3
10	QPSK	25	12	19.64	19.62	19.69	
10	QPSK	25	25	19.58	19.73	19.65	
10	QPSK	50	0	19.61	19.71	19.72	20.3
10	16QAM	1	0	19.79	19.86	19.99	
10	16QAM	1	25	19.98	20.11	19.97	
10	16QAM	1	49	19.94	19.95	19.92	20.3
10	16QAM	25	0	19.68	19.76	19.70	
10	16QAM	25	12	19.60	19.69	19.70	
10	16QAM	25	25	19.71	19.69	19.71	20.3
10	16QAM	50	0	19.60	19.71	19.67	
10	64QAM	1	0	19.85	19.74	19.95	
10	64QAM	1	25	19.88	19.81	19.77	20.3
10	64QAM	1	49	19.95	19.67	19.83	
10	64QAM	25	0	19.82	19.85	19.87	
10	64QAM	25	12	19.77	19.85	19.84	20.3
10	64QAM	25	25	19.91	19.91	19.85	
10	64QAM	50	0	19.80	19.95	19.88	
10	256QAM	1	0	19.14	19.10	19.14	20.2
10	256QAM	1	25	18.99	18.96	19.05	
10	256QAM	1	49	19.03	19.05	19.09	
10	256QAM	25	0	18.75	18.95	18.97	20.2
10	256QAM	25	12	18.74	18.90	18.87	
10	256QAM	25	25	18.74	18.84	18.87	
10	256QAM	50	0	18.90	18.98	18.90	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	19.54	19.57	19.74	20.3
5	QPSK	1	12	19.52	19.53	19.48	
5	QPSK	1	24	19.48	19.61	19.58	
5	QPSK	12	0	19.58	19.75	19.67	20.3
5	QPSK	12	7	19.58	19.56	19.65	
5	QPSK	12	13	19.48	19.70	19.69	
5	QPSK	25	0	19.55	19.71	19.62	20.3
5	16QAM	1	0	19.65	19.78	19.97	
5	16QAM	1	12	19.89	20.10	19.98	
5	16QAM	1	24	19.88	19.88	19.87	20.3
5	16QAM	12	0	19.59	19.63	19.73	
5	16QAM	12	7	19.61	19.75	19.69	
5	16QAM	12	13	19.59	19.67	19.73	20.3
5	16QAM	25	0	19.60	19.69	19.69	
5	64QAM	1	0	19.80	19.61	19.90	
5	64QAM	1	12	19.82	19.77	19.77	20.3
5	64QAM	1	24	19.98	19.59	19.74	
5	64QAM	12	0	19.74	19.80	19.84	
5	64QAM	12	7	19.70	19.95	19.75	20.3
5	64QAM	12	13	19.80	19.82	19.86	
5	64QAM	25	0	19.70	19.92	19.84	
5	256QAM	1	0	18.99	19.06	19.06	20.2
5	256QAM	1	12	18.88	18.88	18.95	
5	256QAM	1	24	18.88	18.94	19.03	
5	256QAM	12	0	18.73	18.89	18.94	20.2
5	256QAM	12	7	18.80	18.93	18.88	
5	256QAM	12	13	18.69	18.76	18.83	
5	256QAM	25	0	18.75	18.94	18.79	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.76	23.73	23.77	25.2
10	QPSK	1	25	23.57	23.53	23.53	
10	QPSK	1	49	23.68	23.66	23.69	
10	QPSK	25	0	22.77	22.80	22.82	24.2
10	QPSK	25	12	22.79	22.81	22.85	
10	QPSK	25	25	22.81	22.83	22.89	
10	QPSK	50	0	22.82	22.85	22.87	24.2
10	16QAM	1	0	23.09	23.14	23.05	
10	16QAM	1	25	23.01	23.05	22.85	
10	16QAM	1	49	22.89	22.93	22.93	23.2
10	16QAM	25	0	21.84	21.85	21.84	
10	16QAM	25	12	21.83	21.84	21.86	
10	16QAM	25	25	21.85	21.86	21.86	23.2
10	16QAM	50	0	21.79	21.81	21.82	
10	64QAM	1	0	22.07	22.12	22.12	
10	64QAM	1	25	21.97	21.94	21.82	23.2
10	64QAM	1	49	21.90	21.98	21.91	
10	64QAM	25	0	20.84	20.85	20.84	
10	64QAM	25	12	20.83	20.82	20.83	22.2
10	64QAM	25	25	20.81	20.82	20.84	
10	64QAM	50	0	20.83	20.84	20.87	
10	256QAM	1	0	19.10	19.24	19.23	20.2
10	256QAM	1	25	19.02	19.18	19.18	
10	256QAM	1	49	19.03	19.08	19.02	
10	256QAM	25	0	19.03	19.05	19.06	20.2
10	256QAM	25	12	18.98	19.04	19.00	
10	256QAM	25	25	18.94	18.95	18.96	
10	256QAM	50	0	18.98	18.98	19.01	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.62	23.69	23.68	25.2
5	QPSK	1	12	23.64	23.66	23.65	
5	QPSK	1	24	23.69	23.64	23.71	
5	QPSK	12	0	22.73	22.71	22.72	24.2
5	QPSK	12	7	22.72	22.70	22.74	
5	QPSK	12	13	22.70	22.69	22.73	
5	QPSK	25	0	22.65	22.72	22.83	24.2
5	16QAM	1	0	23.02	23.08	22.95	
5	16QAM	1	12	23.08	22.94	22.89	
5	16QAM	1	24	23.08	22.89	23.03	23.2
5	16QAM	12	0	21.79	21.76	21.74	
5	16QAM	12	7	21.84	21.74	21.80	
5	16QAM	12	13	21.81	21.68	21.77	23.2
5	16QAM	25	0	21.72	21.73	21.81	
5	64QAM	1	0	21.91	21.89	21.92	
5	64QAM	1	12	22.06	21.69	21.79	23.2
5	64QAM	1	24	22.05	21.80	21.92	
5	64QAM	12	0	20.82	20.82	20.77	
5	64QAM	12	7	20.85	20.77	20.74	22.2
5	64QAM	12	13	20.84	20.71	20.77	
5	64QAM	25	0	20.76	20.71	20.78	
5	256QAM	1	0	19.11	19.16	19.24	20.2
5	256QAM	1	12	19.09	19.02	19.15	
5	256QAM	1	24	19.18	19.01	19.15	
5	256QAM	12	0	19.05	19.02	19.17	20.2
5	256QAM	12	7	19.03	19.00	19.01	
5	256QAM	12	13	19.02	19.00	19.00	
5	256QAM	25	0	18.96	18.96	18.99	



<LTE Band 25_Ant 0_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.66	24.22	23.52	25.2
20	QPSK	1	49	23.88	23.76	23.74	
20	QPSK	1	99	23.72	23.31	23.82	
20	QPSK	50	0	22.76	23.01	22.62	24.2
20	QPSK	50	24	22.83	22.80	22.78	
20	QPSK	50	50	22.82	22.56	22.98	
20	QPSK	100	0	22.80	22.85	22.77	
20	16QAM	1	0	22.97	23.49	22.78	24.2
20	16QAM	1	49	23.19	22.98	22.94	
20	16QAM	1	99	23.07	22.61	23.16	
20	16QAM	50	0	21.83	22.06	21.64	23.2
20	16QAM	50	24	21.91	21.85	21.85	
20	16QAM	50	50	21.89	21.62	22.08	
20	16QAM	100	0	21.83	21.87	21.78	
20	64QAM	1	0	22.04	22.60	21.80	23.2
20	64QAM	1	49	22.23	22.10	22.02	
20	64QAM	1	99	22.15	21.75	22.18	
20	64QAM	50	0	20.87	21.08	20.70	22.2
20	64QAM	50	24	20.97	20.87	20.91	
20	64QAM	50	50	20.93	20.63	21.11	
20	64QAM	100	0	20.84	20.87	20.80	
20	256QAM	1	0	18.81	18.90	18.73	20.2
20	256QAM	1	49	19.03	19.01	18.85	
20	256QAM	1	99	18.92	18.75	19.06	
20	256QAM	50	0	18.72	18.97	18.68	20.2
20	256QAM	50	24	18.83	18.81	18.72	
20	256QAM	50	50	18.84	18.82	18.86	
20	256QAM	100	0	18.75	18.78	18.73	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.54	24.01	23.44	25.2
15	QPSK	1	37	23.76	23.60	23.69	
15	QPSK	1	74	23.75	23.36	23.68	
15	QPSK	36	0	22.70	22.90	22.59	24.2
15	QPSK	36	20	22.79	22.73	22.75	
15	QPSK	36	39	22.85	22.57	22.86	
15	QPSK	75	0	22.79	22.76	22.72	
15	16QAM	1	0	23.00	23.37	22.74	24.2
15	16QAM	1	37	23.19	22.92	22.96	
15	16QAM	1	74	23.10	22.58	22.93	
15	16QAM	36	0	21.75	21.97	21.63	23.2
15	16QAM	36	20	21.85	21.76	21.82	
15	16QAM	36	39	21.91	21.62	21.95	
15	16QAM	75	0	21.81	21.75	21.74	
15	64QAM	1	0	21.86	22.35	21.76	23.2
15	64QAM	1	37	22.05	21.93	21.98	
15	64QAM	1	74	22.07	21.63	21.97	
15	64QAM	36	0	20.79	20.97	20.64	22.2
15	64QAM	36	20	20.90	20.78	20.83	
15	64QAM	36	39	20.93	20.61	20.97	
15	64QAM	75	0	20.81	20.76	20.74	
15	256QAM	1	0	18.97	19.03	19.01	20.2
15	256QAM	1	37	19.02	18.92	18.84	
15	256QAM	1	74	18.85	18.78	18.88	
15	256QAM	36	0	19.04	18.97	18.95	20.2
15	256QAM	36	20	18.77	18.81	18.91	



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15	256QAM	36	39	18.81	18.72	18.65	
15	256QAM	75	0	18.75	18.80	18.73	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.75	24.01	23.62	25.2
10	QPSK	1	25	23.71	23.57	23.64	
10	QPSK	1	49	23.87	23.45	23.60	
10	QPSK	25	0	22.74	22.82	22.63	24.2
10	QPSK	25	12	22.79	22.72	22.74	
10	QPSK	25	25	22.83	22.60	22.75	
10	QPSK	50	0	22.73	22.72	22.71	
10	16QAM	1	0	22.96	23.18	22.85	24.2
10	16QAM	1	25	23.08	22.90	22.97	
10	16QAM	1	49	23.18	22.73	22.91	
10	16QAM	25	0	21.80	21.89	21.70	23.2
10	16QAM	25	12	21.86	21.78	21.81	
10	16QAM	25	25	21.90	21.66	21.85	
10	16QAM	50	0	21.82	21.77	21.78	
10	64QAM	1	0	21.92	22.20	21.76	
10	64QAM	1	25	21.99	21.90	21.92	23.2
10	64QAM	1	49	22.18	21.75	21.93	
10	64QAM	25	0	20.80	20.85	20.70	
10	64QAM	25	12	20.85	20.74	20.78	22.2
10	64QAM	25	25	20.89	20.62	20.82	
10	64QAM	50	0	20.85	20.77	20.84	
10	256QAM	1	0	19.04	19.06	18.98	
10	256QAM	1	25	18.80	18.90	18.94	20.2
10	256QAM	1	49	18.87	18.83	18.84	
10	256QAM	25	0	18.92	18.88	18.82	
10	256QAM	25	12	18.87	18.81	18.89	20.2
10	256QAM	25	25	18.69	18.70	18.67	
10	256QAM	50	0	18.73	18.77	18.71	
Channel				26065	26340	26665	
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.67	23.76	23.58	25.2
5	QPSK	1	12	23.70	23.58	23.50	
5	QPSK	1	24	23.80	23.54	23.46	
5	QPSK	12	0	22.78	22.81	22.70	24.2
5	QPSK	12	7	22.85	22.75	22.71	
5	QPSK	12	13	22.89	22.68	22.66	
5	QPSK	25	0	22.72	22.68	22.62	
5	16QAM	1	0	23.13	23.18	22.96	24.2
5	16QAM	1	12	23.16	22.99	22.93	
5	16QAM	1	24	23.19	22.86	22.77	
5	16QAM	12	0	21.84	21.84	21.77	
5	16QAM	12	7	21.93	21.81	21.78	23.2
5	16QAM	12	13	21.94	21.74	21.72	
5	16QAM	25	0	21.83	21.74	21.70	
5	64QAM	1	0	22.01	22.09	21.86	
5	64QAM	1	12	22.09	22.02	21.93	23.2
5	64QAM	1	24	22.12	21.82	21.80	
5	64QAM	12	0	20.83	20.83	20.79	
5	64QAM	12	7	20.90	20.76	20.79	22.2
5	64QAM	12	13	20.93	20.66	20.77	
5	64QAM	25	0	20.81	20.71	20.72	
5	256QAM	1	0	18.94	19.01	18.95	
5	256QAM	1	12	18.90	18.96	19.00	20.2
5	256QAM	1	24	18.78	18.88	18.84	
5	256QAM	12	0	18.80	18.89	18.80	
5	256QAM	12	7	18.87	18.82	18.82	20.2
5	256QAM	12	13	18.77	18.77	18.78	
5	256QAM	25	0	18.78	18.82	18.75	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.83	23.82	23.71	25.2
3	QPSK	1	8	23.70	23.60	23.49	
3	QPSK	1	14	23.87	23.62	23.48	
3	QPSK	8	0	22.77	22.76	22.64	24.2
3	QPSK	8	4	22.81	22.74	22.64	
3	QPSK	8	7	22.85	22.72	22.61	
3	QPSK	15	0	22.86	22.77	22.70	
3	16QAM	1	0	23.22	23.15	23.03	24.2
3	16QAM	1	8	23.09	22.92	22.82	
3	16QAM	1	14	23.22	22.99	22.83	
3	16QAM	8	0	21.83	21.78	21.74	23.2
3	16QAM	8	4	21.93	21.77	21.70	
3	16QAM	8	7	21.94	21.75	21.72	
3	16QAM	15	0	21.89	21.80	21.76	
3	64QAM	1	0	22.03	22.02	21.89	23.2
3	64QAM	1	8	22.04	21.85	21.83	
3	64QAM	1	14	22.13	21.85	21.86	
3	64QAM	8	0	20.83	20.79	20.75	22.2
3	64QAM	8	4	20.85	20.75	20.76	
3	64QAM	8	7	20.91	20.71	20.74	
3	64QAM	15	0	20.85	20.73	20.80	
3	256QAM	1	0	18.88	18.97	18.87	20.2
3	256QAM	1	8	18.95	18.90	18.85	
3	256QAM	1	14	18.82	18.85	18.77	
3	256QAM	8	0	18.73	18.80	18.80	20.2
3	256QAM	8	4	18.81	18.79	18.86	
3	256QAM	8	7	18.77	18.68	18.68	
3	256QAM	15	0	18.73	18.79	18.64	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.88	23.74	23.60	25.2
1.4	QPSK	1	3	23.77	23.65	23.46	
1.4	QPSK	1	5	23.89	23.73	23.50	
1.4	QPSK	3	0	23.79	23.67	23.48	
1.4	QPSK	3	1	23.85	23.67	23.48	
1.4	QPSK	3	3	23.86	23.65	23.44	
1.4	QPSK	6	0	22.84	22.71	22.55	24.2
1.4	16QAM	1	0	23.23	23.08	22.90	24.2
1.4	16QAM	1	3	23.14	22.97	22.77	
1.4	16QAM	1	5	23.23	23.05	22.83	
1.4	16QAM	3	0	22.94	22.85	22.67	
1.4	16QAM	3	1	23.01	22.84	22.69	
1.4	16QAM	3	3	22.93	22.78	22.62	
1.4	16QAM	6	0	21.91	21.80	21.65	23.2
1.4	64QAM	1	0	22.12	22.00	21.80	23.2
1.4	64QAM	1	3	22.06	21.88	21.76	
1.4	64QAM	1	5	22.13	21.94	21.78	
1.4	64QAM	3	0	21.98	21.89	21.71	
1.4	64QAM	3	1	22.04	21.82	21.68	
1.4	64QAM	3	3	22.06	21.83	21.69	
1.4	64QAM	6	0	20.90	20.71	20.68	22.2
1.4	256QAM	1	0	18.88	18.93	18.83	20.2
1.4	256QAM	1	3	18.81	18.82	18.80	
1.4	256QAM	1	5	18.82	18.86	18.85	
1.4	256QAM	3	0	18.74	18.79	18.77	
1.4	256QAM	3	1	18.81	18.81	18.73	
1.4	256QAM	3	3	18.84	18.84	18.84	
1.4	256QAM	6	0	18.70	18.77	18.63	20.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.30	23.58	23.30	24.2
20	QPSK	1	49	23.29	23.35	23.29	
20	QPSK	1	99	23.29	23.33	23.28	
20	QPSK	50	0	22.76	22.92	22.71	24.2
20	QPSK	50	24	22.75	22.73	22.70	
20	QPSK	50	50	22.69	22.49	22.70	
20	QPSK	100	0	22.71	22.72	22.66	24.2
20	16QAM	1	0	22.95	23.53	22.74	
20	16QAM	1	49	22.99	22.97	22.82	
20	16QAM	1	99	22.98	22.57	23.10	23.2
20	16QAM	50	0	21.71	21.94	21.54	
20	16QAM	50	24	21.77	21.73	21.74	
20	16QAM	50	50	21.74	21.52	21.96	23.2
20	16QAM	100	0	21.72	21.70	21.67	
20	64QAM	1	0	21.84	22.42	21.57	
20	64QAM	1	49	22.04	21.87	21.78	23.2
20	64QAM	1	99	21.96	21.61	22.01	
20	64QAM	50	0	20.72	20.97	20.57	
20	64QAM	50	24	20.81	20.79	20.78	22.2
20	64QAM	50	50	20.77	20.53	21.00	
20	64QAM	100	0	20.73	20.73	20.70	
20	256QAM	1	0	18.80	18.86	18.65	20.2
20	256QAM	1	49	18.97	18.95	18.85	
20	256QAM	1	99	18.91	18.70	19.06	
20	256QAM	50	0	18.70	18.97	18.66	20.2
20	256QAM	50	24	18.76	18.78	18.66	
20	256QAM	50	50	18.82	18.82	18.78	
20	256QAM	100	0	18.68	18.76	18.71	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.21	23.52	23.20	24.2
15	QPSK	1	37	23.26	23.26	23.28	
15	QPSK	1	74	23.32	23.23	23.28	
15	QPSK	36	0	22.72	22.92	22.67	24.2
15	QPSK	36	20	22.73	22.70	22.66	
15	QPSK	36	39	22.67	22.48	22.66	
15	QPSK	75	0	22.67	22.68	22.59	24.2
15	16QAM	1	0	22.85	23.52	22.68	
15	16QAM	1	37	22.97	22.91	22.77	
15	16QAM	1	74	22.97	22.53	23.05	23.2
15	16QAM	36	0	21.69	21.87	21.47	
15	16QAM	36	20	21.71	21.72	21.68	
15	16QAM	36	39	21.64	21.51	21.94	23.2
15	16QAM	75	0	21.72	21.68	21.59	
15	64QAM	1	0	21.77	22.32	21.57	
15	64QAM	1	37	21.96	21.87	21.78	23.2
15	64QAM	1	74	21.94	21.53	21.92	
15	64QAM	36	0	20.66	20.97	20.51	
15	64QAM	36	20	20.78	20.70	20.75	22.2
15	64QAM	36	39	20.70	20.46	20.92	
15	64QAM	75	0	20.67	20.67	20.67	
15	256QAM	1	0	18.73	18.82	18.61	20.2
15	256QAM	1	37	18.92	18.93	18.81	
15	256QAM	1	74	18.85	18.68	18.96	
15	256QAM	36	0	18.64	18.94	18.62	20.2
15	256QAM	36	20	18.73	18.75	18.56	



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15	256QAM	36	39	18.74	18.76	18.76	
15	256QAM	75	0	18.65	18.70	18.68	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.23	23.56	23.20	24.2
10	QPSK	1	25	23.30	23.25	23.30	
10	QPSK	1	49	23.23	23.27	23.23	
10	QPSK	25	0	22.68	22.86	22.70	24.2
10	QPSK	25	12	22.74	22.66	22.64	
10	QPSK	25	25	22.63	22.46	22.69	
10	QPSK	50	0	22.61	22.69	22.63	
10	16QAM	1	0	22.85	23.47	22.73	24.2
10	16QAM	1	25	22.89	22.94	22.78	
10	16QAM	1	49	22.96	22.47	23.02	
10	16QAM	25	0	21.61	21.87	21.45	23.2
10	16QAM	25	12	21.73	21.71	21.70	
10	16QAM	25	25	21.72	21.50	21.89	
10	16QAM	50	0	21.66	21.61	21.57	
10	64QAM	1	0	21.84	22.40	21.47	
10	64QAM	1	25	21.94	21.77	21.77	23.2
10	64QAM	1	49	21.92	21.59	21.97	
10	64QAM	25	0	20.62	20.87	20.52	
10	64QAM	25	12	20.78	20.70	20.69	22.2
10	64QAM	25	25	20.76	20.49	20.90	
10	64QAM	50	0	20.65	20.64	20.66	
10	256QAM	1	0	18.72	18.76	18.62	
10	256QAM	1	25	18.94	18.87	18.83	20.2
10	256QAM	1	49	18.91	18.68	18.99	
10	256QAM	25	0	18.68	18.91	18.58	
10	256QAM	25	12	18.74	18.70	18.58	20.2
10	256QAM	25	25	18.78	18.78	18.76	
10	256QAM	50	0	18.61	18.75	18.61	
Channel				26065	26340	26665	
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.29	23.50	23.22	24.2
5	QPSK	1	12	23.24	23.29	23.24	
5	QPSK	1	24	23.26	23.31	23.24	
5	QPSK	12	0	22.67	22.91	22.62	24.2
5	QPSK	12	7	22.66	22.67	22.67	
5	QPSK	12	13	22.64	22.43	22.68	
5	QPSK	25	0	22.69	22.71	22.58	
5	16QAM	1	0	22.95	23.50	22.74	24.2
5	16QAM	1	12	22.96	22.89	22.76	
5	16QAM	1	24	22.96	22.48	23.02	
5	16QAM	12	0	21.61	21.88	21.44	23.2
5	16QAM	12	7	21.70	21.65	21.74	
5	16QAM	12	13	21.68	21.50	21.91	
5	16QAM	25	0	21.68	21.65	21.60	
5	64QAM	1	0	21.75	22.34	21.55	
5	64QAM	1	12	22.03	21.78	21.76	23.2
5	64QAM	1	24	21.92	21.51	21.93	
5	64QAM	12	0	20.72	20.90	20.57	
5	64QAM	12	7	20.78	20.69	20.70	22.2
5	64QAM	12	13	20.77	20.51	20.99	
5	64QAM	25	0	20.66	20.69	20.63	
5	256QAM	1	0	18.73	18.80	18.60	
5	256QAM	1	12	18.95	18.86	18.78	20.2
5	256QAM	1	24	18.87	18.65	19.02	
5	256QAM	12	0	18.68	18.97	18.60	
5	256QAM	12	7	18.73	18.70	18.59	20.2
5	256QAM	12	13	18.72	18.74	18.74	
5	256QAM	25	0	18.67	18.68	18.64	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.21	23.52	23.28	24.2
3	QPSK	1	8	23.28	23.29	23.25	
3	QPSK	1	14	23.29	23.25	23.24	
3	QPSK	8	0	22.68	22.89	22.65	24.2
3	QPSK	8	4	22.67	22.66	22.65	
3	QPSK	8	7	22.66	22.48	22.65	
3	QPSK	15	0	22.65	22.69	22.58	24.2
3	16QAM	1	0	22.94	23.50	22.73	
3	16QAM	1	8	22.89	22.96	22.78	
3	16QAM	1	14	22.94	22.56	23.07	23.2
3	16QAM	8	0	21.69	21.93	21.51	
3	16QAM	8	4	21.73	21.70	21.65	
3	16QAM	8	7	21.66	21.43	21.91	23.2
3	16QAM	15	0	21.68	21.69	21.57	
3	64QAM	1	0	21.81	22.42	21.57	
3	64QAM	1	8	22.02	21.77	21.77	23.2
3	64QAM	1	14	21.87	21.56	21.94	
3	64QAM	8	0	20.63	20.97	20.50	
3	64QAM	8	4	20.80	20.79	20.73	22.2
3	64QAM	8	7	20.70	20.48	20.99	
3	64QAM	15	0	20.67	20.69	20.64	
3	256QAM	1	0	18.71	18.79	18.63	20.2
3	256QAM	1	8	18.91	18.94	18.78	
3	256QAM	1	14	18.87	18.69	19.02	
3	256QAM	8	0	18.60	18.96	18.65	20.2
3	256QAM	8	4	18.69	18.68	18.56	
3	256QAM	8	7	18.73	18.77	18.76	
3	256QAM	15	0	18.66	18.72	18.71	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.22	23.54	23.25	24.2
1.4	QPSK	1	3	23.27	23.27	23.23	
1.4	QPSK	1	5	23.33	23.26	23.33	
1.4	QPSK	3	0	23.46	23.56	23.34	24.2
1.4	QPSK	3	1	23.39	23.35	23.36	
1.4	QPSK	3	3	23.31	23.30	23.30	
1.4	QPSK	6	0	22.62	22.70	22.58	24.2
1.4	16QAM	1	0	22.95	23.43	22.71	24.2
1.4	16QAM	1	3	22.89	22.97	22.72	
1.4	16QAM	1	5	22.93	22.49	23.05	
1.4	16QAM	3	0	22.61	22.86	22.49	24.2
1.4	16QAM	3	1	22.72	22.66	22.73	
1.4	16QAM	3	3	22.66	22.46	22.92	
1.4	16QAM	6	0	21.65	21.68	21.57	23.2
1.4	64QAM	1	0	21.80	22.40	21.51	23.2
1.4	64QAM	1	3	22.02	21.87	21.78	
1.4	64QAM	1	5	21.91	21.54	21.95	
1.4	64QAM	3	0	21.65	21.90	21.52	23.2
1.4	64QAM	3	1	21.74	21.69	21.69	
1.4	64QAM	3	3	21.76	21.53	21.96	
1.4	64QAM	6	0	20.67	20.63	20.65	22.2
1.4	256QAM	1	0	18.75	18.82	18.61	20.2
1.4	256QAM	1	3	18.92	18.87	18.82	
1.4	256QAM	1	5	18.86	18.67	19.04	
1.4	256QAM	3	0	18.60	18.97	18.65	20.2
1.4	256QAM	3	1	18.70	18.74	18.57	
1.4	256QAM	3	3	18.80	18.81	18.75	
1.4	256QAM	6	0	18.64	18.75	18.62	20.2



<LTE Band 25_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.30	23.58	23.30	25.2
20	QPSK	1	49	23.29	23.35	23.29	
20	QPSK	1	99	23.29	23.33	23.28	
20	QPSK	50	0	22.76	22.92	22.71	24.2
20	QPSK	50	24	22.75	22.73	22.70	
20	QPSK	50	50	22.69	22.49	22.70	
20	QPSK	100	0	22.71	22.72	22.66	24.2
20	16QAM	1	0	22.95	23.53	22.74	
20	16QAM	1	49	22.99	22.97	22.82	
20	16QAM	1	99	22.98	22.57	23.10	23.2
20	16QAM	50	0	21.71	21.94	21.54	
20	16QAM	50	24	21.77	21.73	21.74	
20	16QAM	50	50	21.74	21.52	21.96	23.2
20	16QAM	100	0	21.72	21.70	21.67	
20	64QAM	1	0	21.84	22.42	21.57	
20	64QAM	1	49	22.04	21.87	21.78	23.2
20	64QAM	1	99	21.96	21.61	22.01	
20	64QAM	50	0	20.72	20.97	20.57	
20	64QAM	50	24	20.81	20.79	20.78	22.2
20	64QAM	50	50	20.77	20.53	21.00	
20	64QAM	100	0	20.73	20.73	20.70	
20	256QAM	1	0	18.80	18.86	18.65	20.2
20	256QAM	1	49	18.97	18.95	18.85	
20	256QAM	1	99	18.91	18.70	19.06	
20	256QAM	50	0	18.70	18.97	18.66	20.2
20	256QAM	50	24	18.76	18.78	18.66	
20	256QAM	50	50	18.82	18.82	18.78	
20	256QAM	100	0	18.68	18.76	18.71	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.21	23.52	23.20	25.2
15	QPSK	1	37	23.26	23.26	23.28	
15	QPSK	1	74	23.32	23.23	23.28	
15	QPSK	36	0	22.72	22.92	22.67	24.2
15	QPSK	36	20	22.73	22.70	22.66	
15	QPSK	36	39	22.67	22.48	22.66	
15	QPSK	75	0	22.67	22.68	22.59	24.2
15	16QAM	1	0	22.85	23.52	22.68	
15	16QAM	1	37	22.97	22.91	22.77	
15	16QAM	1	74	22.97	22.53	23.05	23.2
15	16QAM	36	0	21.69	21.87	21.47	
15	16QAM	36	20	21.71	21.72	21.68	
15	16QAM	36	39	21.64	21.51	21.94	23.2
15	16QAM	75	0	21.72	21.68	21.59	
15	64QAM	1	0	21.77	22.32	21.57	
15	64QAM	1	37	21.96	21.87	21.78	23.2
15	64QAM	1	74	21.94	21.53	21.92	
15	64QAM	36	0	20.66	20.97	20.51	
15	64QAM	36	20	20.78	20.70	20.75	22.2
15	64QAM	36	39	20.70	20.46	20.92	
15	64QAM	75	0	20.67	20.67	20.67	
15	256QAM	1	0	18.73	18.82	18.61	20.2
15	256QAM	1	37	18.92	18.93	18.81	
15	256QAM	1	74	18.85	18.68	18.96	
15	256QAM	36	0	18.64	18.94	18.62	20.2
15	256QAM	36	20	18.73	18.75	18.56	



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15	256QAM	36	39	18.74	18.76	18.76	
15	256QAM	75	0	18.65	18.70	18.68	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.23	23.56	23.20	25.2
10	QPSK	1	25	23.30	23.25	23.30	
10	QPSK	1	49	23.23	23.27	23.23	
10	QPSK	25	0	22.68	22.86	22.70	24.2
10	QPSK	25	12	22.74	22.66	22.64	
10	QPSK	25	25	22.63	22.46	22.69	
10	QPSK	50	0	22.61	22.69	22.63	
10	16QAM	1	0	22.85	23.47	22.73	24.2
10	16QAM	1	25	22.89	22.94	22.78	
10	16QAM	1	49	22.96	22.47	23.02	
10	16QAM	25	0	21.61	21.87	21.45	23.2
10	16QAM	25	12	21.73	21.71	21.70	
10	16QAM	25	25	21.72	21.50	21.89	
10	16QAM	50	0	21.66	21.61	21.57	
10	64QAM	1	0	21.84	22.40	21.47	23.2
10	64QAM	1	25	21.94	21.77	21.77	
10	64QAM	1	49	21.92	21.59	21.97	
10	64QAM	25	0	20.62	20.87	20.52	22.2
10	64QAM	25	12	20.78	20.70	20.69	
10	64QAM	25	25	20.76	20.49	20.90	
10	64QAM	50	0	20.65	20.64	20.66	
10	256QAM	1	0	18.72	18.76	18.62	20.2
10	256QAM	1	25	18.94	18.87	18.83	
10	256QAM	1	49	18.91	18.68	18.99	
10	256QAM	25	0	18.68	18.91	18.58	20.2
10	256QAM	25	12	18.74	18.70	18.58	
10	256QAM	25	25	18.78	18.78	18.76	
10	256QAM	50	0	18.61	18.75	18.61	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.29	23.50	23.22	25.2
5	QPSK	1	12	23.24	23.29	23.24	
5	QPSK	1	24	23.26	23.31	23.24	
5	QPSK	12	0	22.67	22.91	22.62	24.2
5	QPSK	12	7	22.66	22.67	22.67	
5	QPSK	12	13	22.64	22.43	22.68	
5	QPSK	25	0	22.69	22.71	22.58	
5	16QAM	1	0	22.95	23.50	22.74	24.2
5	16QAM	1	12	22.96	22.89	22.76	
5	16QAM	1	24	22.96	22.48	23.02	
5	16QAM	12	0	21.61	21.88	21.44	23.2
5	16QAM	12	7	21.70	21.65	21.74	
5	16QAM	12	13	21.68	21.50	21.91	
5	16QAM	25	0	21.68	21.65	21.60	
5	64QAM	1	0	21.75	22.34	21.55	23.2
5	64QAM	1	12	22.03	21.78	21.76	
5	64QAM	1	24	21.92	21.51	21.93	
5	64QAM	12	0	20.72	20.90	20.57	22.2
5	64QAM	12	7	20.78	20.69	20.70	
5	64QAM	12	13	20.77	20.51	20.99	
5	64QAM	25	0	20.66	20.69	20.63	
5	256QAM	1	0	18.73	18.80	18.60	20.2
5	256QAM	1	12	18.95	18.86	18.78	
5	256QAM	1	24	18.87	18.65	19.02	
5	256QAM	12	0	18.68	18.97	18.60	20.2
5	256QAM	12	7	18.73	18.70	18.59	
5	256QAM	12	13	18.72	18.74	18.74	
5	256QAM	25	0	18.67	18.68	18.64	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.21	23.52	23.28	25.2
3	QPSK	1	8	23.28	23.29	23.25	
3	QPSK	1	14	23.29	23.25	23.24	
3	QPSK	8	0	22.68	22.89	22.65	24.2
3	QPSK	8	4	22.67	22.66	22.65	
3	QPSK	8	7	22.66	22.48	22.65	
3	QPSK	15	0	22.65	22.69	22.58	24.2
3	16QAM	1	0	22.94	23.50	22.73	
3	16QAM	1	8	22.89	22.96	22.78	
3	16QAM	1	14	22.94	22.56	23.07	24.2
3	16QAM	8	0	21.69	21.93	21.51	
3	16QAM	8	4	21.73	21.70	21.65	
3	16QAM	8	7	21.66	21.43	21.91	23.2
3	16QAM	15	0	21.68	21.69	21.57	
3	64QAM	1	0	21.81	22.42	21.57	
3	64QAM	1	8	22.02	21.77	21.77	23.2
3	64QAM	1	14	21.87	21.56	21.94	
3	64QAM	8	0	20.63	20.97	20.50	
3	64QAM	8	4	20.80	20.79	20.73	22.2
3	64QAM	8	7	20.70	20.48	20.99	
3	64QAM	15	0	20.67	20.69	20.64	
3	256QAM	1	0	18.71	18.79	18.63	20.2
3	256QAM	1	8	18.91	18.94	18.78	
3	256QAM	1	14	18.87	18.69	19.02	
3	256QAM	8	0	18.60	18.96	18.65	20.2
3	256QAM	8	4	18.69	18.68	18.56	
3	256QAM	8	7	18.73	18.77	18.76	
3	256QAM	15	0	18.66	18.72	18.71	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.22	23.54	23.25	25.2
1.4	QPSK	1	3	23.27	23.27	23.23	
1.4	QPSK	1	5	23.33	23.26	23.33	
1.4	QPSK	3	0	23.46	23.56	23.34	24.2
1.4	QPSK	3	1	23.39	23.35	23.36	
1.4	QPSK	3	3	23.31	23.30	23.30	
1.4	QPSK	6	0	22.62	22.70	22.58	24.2
1.4	16QAM	1	0	22.95	23.43	22.71	
1.4	16QAM	1	3	22.89	22.97	22.72	
1.4	16QAM	1	5	22.93	22.49	23.05	24.2
1.4	16QAM	3	0	22.61	22.86	22.49	
1.4	16QAM	3	1	22.72	22.66	22.73	
1.4	16QAM	3	3	22.66	22.46	22.92	23.2
1.4	16QAM	6	0	21.65	21.68	21.57	
1.4	64QAM	1	0	21.80	22.40	21.51	
1.4	64QAM	1	3	22.02	21.87	21.78	23.2
1.4	64QAM	1	5	21.91	21.54	21.95	
1.4	64QAM	3	0	21.65	21.90	21.52	
1.4	64QAM	3	1	21.74	21.69	21.69	22.2
1.4	64QAM	3	3	21.76	21.53	21.96	
1.4	64QAM	6	0	20.67	20.63	20.65	
1.4	256QAM	1	0	18.75	18.82	18.61	20.2
1.4	256QAM	1	3	18.92	18.87	18.82	
1.4	256QAM	1	5	18.86	18.67	19.04	
1.4	256QAM	3	0	18.60	18.97	18.65	20.2
1.4	256QAM	3	1	18.70	18.74	18.57	
1.4	256QAM	3	3	18.80	18.81	18.75	
1.4	256QAM	6	0	18.64	18.75	18.62	20.2



<LTE Band 25_Ant 2_Index 2>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
20	24.32	24.70	24.39	25.7
20	24.31	24.43	24.38	
20	24.32	24.02	24.34	
20	23.41	23.68	23.51	24.7
20	23.40	23.46	23.50	
20	23.40	23.27	23.50	
20	23.46	23.50	23.49	24.7
20	23.61	24.15	23.51	
20	23.78	23.72	23.72	
20	23.68	23.30	23.84	23.7
20	22.43	22.70	22.38	
20	22.53	22.50	22.57	
20	22.50	22.26	22.78	23.7
20	22.46	22.45	22.52	
20	22.45	23.03	22.49	
20	22.74	22.69	22.65	22.7
20	22.68	22.26	22.74	
20	21.50	21.73	21.46	
20	21.58	21.52	21.62	20.7
20	21.52	21.29	21.82	
20	21.47	21.47	21.52	
20	19.27	20.00	19.48	20.7
20	19.58	19.71	19.50	
20	19.51	19.47	19.91	
20	19.39	19.76	19.55	20.7
20	19.49	19.61	19.53	
20	19.47	19.40	19.68	
20	19.46	19.54	19.60	20.7
15	24.35	24.69	24.29	
15	24.40	24.46	24.53	
15	24.51	24.17	24.53	24.7
15	23.50	23.72	23.45	
15	23.60	23.55	23.59	
15	23.64	23.39	23.69	24.7
15	23.58	23.56	23.56	
15	23.72	24.20	23.60	
15	23.95	23.76	23.80	23.7
15	23.90	23.40	23.77	
15	22.55	22.74	22.49	
15	22.65	22.58	22.66	23.7
15	22.67	22.44	22.78	
15	22.58	22.58	22.58	
15	22.76	23.09	22.56	23.7
15	22.95	22.72	22.83	
15	22.87	22.45	22.72	
15	21.60	21.76	21.51	22.7
15	21.67	21.58	21.68	
15	21.70	21.42	21.80	
15	21.61	21.57	21.60	20.7
15	19.10	19.81	19.36	
15	19.45	19.52	19.31	
15	19.36	19.33	19.77	20.7
15	19.27	19.64	19.38	
15	19.33	19.46	19.33	



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15	256QAM	36	39	19.31	19.21	19.50	
15	256QAM	75	0	19.30	19.35	19.47	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	24.24	24.50	24.22	25.7
10	QPSK	1	25	24.27	24.18	24.27	
10	QPSK	1	49	24.42	24.04	24.29	
10	QPSK	25	0	23.31	23.42	23.34	24.7
10	QPSK	25	12	23.36	23.33	23.42	
10	QPSK	25	25	23.42	23.23	23.47	
10	QPSK	50	0	23.34	23.34	23.43	
10	16QAM	1	0	23.58	23.88	23.50	24.7
10	16QAM	1	25	23.63	23.53	23.68	
10	16QAM	1	49	23.75	23.39	23.61	
10	16QAM	25	0	22.36	22.47	22.39	23.7
10	16QAM	25	12	22.43	22.38	22.49	
10	16QAM	25	25	22.48	22.27	22.54	
10	16QAM	50	0	22.39	22.38	22.51	
10	64QAM	1	0	22.46	22.81	22.50	
10	64QAM	1	25	22.51	22.47	22.69	23.7
10	64QAM	1	49	22.69	22.39	22.70	
10	64QAM	25	0	21.33	21.44	21.35	
10	64QAM	25	12	21.38	21.34	21.46	22.7
10	64QAM	25	25	21.44	21.22	21.51	
10	64QAM	50	0	21.42	21.38	21.54	
10	256QAM	1	0	19.10	19.84	19.36	20.7
10	256QAM	1	25	19.41	19.57	19.37	
10	256QAM	1	49	19.36	19.30	19.78	
10	256QAM	25	0	19.22	19.61	19.42	20.7
10	256QAM	25	12	19.33	19.48	19.36	
10	256QAM	25	25	19.37	19.20	19.57	
10	256QAM	50	0	19.29	19.36	19.42	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	24.26	24.37	24.28	25.7
5	QPSK	1	12	24.33	24.21	24.24	
5	QPSK	1	24	24.41	24.15	24.14	
5	QPSK	12	0	23.32	23.35	23.32	24.7
5	QPSK	12	7	23.37	23.33	23.32	
5	QPSK	12	13	23.39	23.27	23.29	
5	QPSK	25	0	23.26	23.28	23.25	
5	16QAM	1	0	23.64	23.72	23.58	24.7
5	16QAM	1	12	23.63	23.58	23.57	
5	16QAM	1	24	23.72	23.51	23.43	
5	16QAM	12	0	22.40	22.41	22.38	23.7
5	16QAM	12	7	22.44	22.35	22.43	
5	16QAM	12	13	22.45	22.28	22.39	
5	16QAM	25	0	22.35	22.27	22.33	
5	64QAM	1	0	22.59	22.64	22.53	23.7
5	64QAM	1	12	22.67	22.49	22.49	
5	64QAM	1	24	22.72	22.37	22.39	
5	64QAM	12	0	21.35	21.34	21.43	22.7
5	64QAM	12	7	21.42	21.30	21.43	
5	64QAM	12	13	21.46	21.26	21.41	
5	64QAM	25	0	21.32	21.28	21.35	
5	256QAM	1	0	19.12	19.83	19.29	20.7
5	256QAM	1	12	19.44	19.58	19.35	
5	256QAM	1	24	19.37	19.35	19.76	
5	256QAM	12	0	19.22	19.65	19.42	20.7
5	256QAM	12	7	19.31	19.50	19.38	
5	256QAM	12	13	19.36	19.29	19.58	
5	256QAM	25	0	19.35	19.36	19.47	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	24.60	24.65	24.59	25.7
3	QPSK	1	8	24.54	24.43	24.40	
3	QPSK	1	14	24.66	24.44	24.41	
3	QPSK	8	0	23.58	23.59	23.58	24.7
3	QPSK	8	4	23.63	23.58	23.55	
3	QPSK	8	7	23.67	23.56	23.57	
3	QPSK	15	0	23.64	23.61	23.58	
3	16QAM	1	0	24.00	23.95	23.92	24.7
3	16QAM	1	8	23.89	23.76	23.76	
3	16QAM	1	14	24.00	23.78	23.78	
3	16QAM	8	0	22.66	22.65	22.65	23.7
3	16QAM	8	4	22.73	22.62	22.64	
3	16QAM	8	7	22.73	22.60	22.64	
3	16QAM	15	0	22.66	22.59	22.67	
3	64QAM	1	0	22.78	22.84	22.77	23.7
3	64QAM	1	8	22.79	22.72	22.69	
3	64QAM	1	14	22.91	22.68	22.67	
3	64QAM	8	0	21.64	21.59	21.70	22.7
3	64QAM	8	4	21.70	21.58	21.67	
3	64QAM	8	7	21.76	21.62	21.66	
3	64QAM	15	0	21.68	21.60	21.71	
3	256QAM	1	0	19.08	19.89	19.28	20.7
3	256QAM	1	8	19.45	19.56	19.38	
3	256QAM	1	14	19.40	19.27	19.80	
3	256QAM	8	0	19.28	19.58	19.37	20.7
3	256QAM	8	4	19.30	19.42	19.33	
3	256QAM	8	7	19.36	19.28	19.51	
3	256QAM	15	0	19.35	19.36	19.41	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	24.38	24.34	24.28	25.7
1.4	QPSK	1	3	24.33	24.21	24.12	
1.4	QPSK	1	5	24.41	24.25	24.16	
1.4	QPSK	3	0	24.25	24.19	24.12	
1.4	QPSK	3	1	24.36	24.25	24.14	
1.4	QPSK	3	3	24.33	24.23	24.14	
1.4	QPSK	6	0	23.35	23.28	23.23	24.7
1.4	16QAM	1	0	23.79	23.63	23.55	24.7
1.4	16QAM	1	3	23.66	23.49	23.35	
1.4	16QAM	1	5	23.81	23.63	23.48	
1.4	16QAM	3	0	23.54	23.45	23.35	
1.4	16QAM	3	1	23.52	23.41	23.31	
1.4	16QAM	3	3	23.46	23.34	23.24	
1.4	16QAM	6	0	22.46	22.32	22.35	23.7
1.4	64QAM	1	0	22.62	22.51	22.45	23.7
1.4	64QAM	1	3	22.52	22.46	22.34	
1.4	64QAM	1	5	22.67	22.49	22.47	
1.4	64QAM	3	0	22.54	22.46	22.41	
1.4	64QAM	3	1	22.52	22.43	22.41	
1.4	64QAM	3	3	22.53	22.40	22.37	
1.4	64QAM	6	0	21.38	21.31	21.35	22.7
1.4	256QAM	1	0	19.16	19.80	19.31	20.7
1.4	256QAM	1	3	19.41	19.53	19.39	
1.4	256QAM	1	5	19.41	19.28	19.74	
1.4	256QAM	3	0	19.28	19.59	19.44	
1.4	256QAM	3	1	19.39	19.51	19.35	
1.4	256QAM	3	3	19.32	19.28	19.55	
1.4	256QAM	6	0	19.27	19.35	19.41	20.7



<LTE Band 25_Ant 2_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	24.32	24.70	24.39	24.7
20	QPSK	1	49	24.31	24.43	24.38	
20	QPSK	1	99	24.32	24.02	24.34	
20	QPSK	50	0	23.41	23.68	23.51	24.7
20	QPSK	50	24	23.40	23.46	23.50	
20	QPSK	50	50	23.40	23.27	23.50	
20	QPSK	100	0	23.46	23.50	23.49	
20	16QAM	1	0	23.61	24.15	23.51	24.7
20	16QAM	1	49	23.78	23.72	23.72	
20	16QAM	1	99	23.68	23.30	23.84	
20	16QAM	50	0	22.43	22.70	22.38	23.7
20	16QAM	50	24	22.53	22.50	22.57	
20	16QAM	50	50	22.50	22.26	22.78	
20	16QAM	100	0	22.46	22.45	22.52	
20	64QAM	1	0	22.45	23.03	22.49	23.7
20	64QAM	1	49	22.74	22.69	22.65	
20	64QAM	1	99	22.68	22.26	22.74	
20	64QAM	50	0	21.50	21.73	21.46	22.7
20	64QAM	50	24	21.58	21.52	21.62	
20	64QAM	50	50	21.52	21.29	21.82	
20	64QAM	100	0	21.47	21.47	21.52	
20	256QAM	1	0	19.27	20.00	19.48	20.7
20	256QAM	1	49	19.58	19.71	19.50	
20	256QAM	1	99	19.51	19.47	19.91	
20	256QAM	50	0	19.39	19.76	19.55	20.7
20	256QAM	50	24	19.49	19.61	19.53	
20	256QAM	50	50	19.47	19.40	19.68	
20	256QAM	100	0	19.46	19.54	19.60	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	24.35	24.69	24.29	24.7
15	QPSK	1	37	24.40	24.46	24.53	
15	QPSK	1	74	24.51	24.17	24.53	
15	QPSK	36	0	23.50	23.72	23.45	24.7
15	QPSK	36	20	23.60	23.55	23.59	
15	QPSK	36	39	23.64	23.39	23.69	
15	QPSK	75	0	23.58	23.56	23.56	
15	16QAM	1	0	23.72	24.20	23.60	24.7
15	16QAM	1	37	23.95	23.76	23.80	
15	16QAM	1	74	23.90	23.40	23.77	
15	16QAM	36	0	22.55	22.74	22.49	23.7
15	16QAM	36	20	22.65	22.58	22.66	
15	16QAM	36	39	22.67	22.44	22.78	
15	16QAM	75	0	22.58	22.58	22.58	
15	64QAM	1	0	22.76	23.09	22.56	23.7
15	64QAM	1	37	22.95	22.72	22.83	
15	64QAM	1	74	22.87	22.45	22.72	
15	64QAM	36	0	21.60	21.76	21.51	22.7
15	64QAM	36	20	21.67	21.58	21.68	
15	64QAM	36	39	21.70	21.42	21.80	
15	64QAM	75	0	21.61	21.57	21.60	
15	256QAM	1	0	19.10	19.81	19.36	20.7
15	256QAM	1	37	19.45	19.52	19.31	
15	256QAM	1	74	19.36	19.33	19.77	
15	256QAM	36	0	19.27	19.64	19.38	20.7
15	256QAM	36	20	19.33	19.46	19.33	



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15	256QAM	36	39	19.31	19.21	19.50	
15	256QAM	75	0	19.30	19.35	19.47	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	24.24	24.50	24.22	24.7
10	QPSK	1	25	24.27	24.18	24.27	
10	QPSK	1	49	24.42	24.04	24.29	
10	QPSK	25	0	23.31	23.42	23.34	24.7
10	QPSK	25	12	23.36	23.33	23.42	
10	QPSK	25	25	23.42	23.23	23.47	
10	QPSK	50	0	23.34	23.34	23.43	
10	16QAM	1	0	23.58	23.88	23.50	24.7
10	16QAM	1	25	23.63	23.53	23.68	
10	16QAM	1	49	23.75	23.39	23.61	
10	16QAM	25	0	22.36	22.47	22.39	23.7
10	16QAM	25	12	22.43	22.38	22.49	
10	16QAM	25	25	22.48	22.27	22.54	
10	16QAM	50	0	22.39	22.38	22.51	
10	64QAM	1	0	22.46	22.81	22.50	
10	64QAM	1	25	22.51	22.47	22.69	23.7
10	64QAM	1	49	22.69	22.39	22.70	
10	64QAM	25	0	21.33	21.44	21.35	
10	64QAM	25	12	21.38	21.34	21.46	22.7
10	64QAM	25	25	21.44	21.22	21.51	
10	64QAM	50	0	21.42	21.38	21.54	
10	256QAM	1	0	19.10	19.84	19.36	20.7
10	256QAM	1	25	19.41	19.57	19.37	
10	256QAM	1	49	19.36	19.30	19.78	
10	256QAM	25	0	19.22	19.61	19.42	20.7
10	256QAM	25	12	19.33	19.48	19.36	
10	256QAM	25	25	19.37	19.20	19.57	
10	256QAM	50	0	19.29	19.36	19.42	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	24.26	24.37	24.28	24.7
5	QPSK	1	12	24.33	24.21	24.24	
5	QPSK	1	24	24.41	24.15	24.14	
5	QPSK	12	0	23.32	23.35	23.32	24.7
5	QPSK	12	7	23.37	23.33	23.32	
5	QPSK	12	13	23.39	23.27	23.29	
5	QPSK	25	0	23.26	23.28	23.25	
5	16QAM	1	0	23.64	23.72	23.58	24.7
5	16QAM	1	12	23.63	23.58	23.57	
5	16QAM	1	24	23.72	23.51	23.43	
5	16QAM	12	0	22.40	22.41	22.38	23.7
5	16QAM	12	7	22.44	22.35	22.43	
5	16QAM	12	13	22.45	22.28	22.39	
5	16QAM	25	0	22.35	22.27	22.33	
5	64QAM	1	0	22.59	22.64	22.53	23.7
5	64QAM	1	12	22.67	22.49	22.49	
5	64QAM	1	24	22.72	22.37	22.39	
5	64QAM	12	0	21.35	21.34	21.43	22.7
5	64QAM	12	7	21.42	21.30	21.43	
5	64QAM	12	13	21.46	21.26	21.41	
5	64QAM	25	0	21.32	21.28	21.35	
5	256QAM	1	0	19.12	19.83	19.29	20.7
5	256QAM	1	12	19.44	19.58	19.35	
5	256QAM	1	24	19.37	19.35	19.76	
5	256QAM	12	0	19.22	19.65	19.42	20.7
5	256QAM	12	7	19.31	19.50	19.38	
5	256QAM	12	13	19.36	19.29	19.58	
5	256QAM	25	0	19.35	19.36	19.47	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	24.60	24.65	24.59	24.7
3	QPSK	1	8	24.54	24.43	24.40	
3	QPSK	1	14	24.66	24.44	24.41	
3	QPSK	8	0	23.58	23.59	23.58	24.7
3	QPSK	8	4	23.63	23.58	23.55	
3	QPSK	8	7	23.67	23.56	23.57	
3	QPSK	15	0	23.64	23.61	23.58	
3	16QAM	1	0	24.00	23.95	23.92	24.7
3	16QAM	1	8	23.89	23.76	23.76	
3	16QAM	1	14	24.00	23.78	23.78	
3	16QAM	8	0	22.66	22.65	22.65	23.7
3	16QAM	8	4	22.73	22.62	22.64	
3	16QAM	8	7	22.73	22.60	22.64	
3	16QAM	15	0	22.66	22.59	22.67	
3	64QAM	1	0	22.78	22.84	22.77	23.7
3	64QAM	1	8	22.79	22.72	22.69	
3	64QAM	1	14	22.91	22.68	22.67	
3	64QAM	8	0	21.64	21.59	21.70	22.7
3	64QAM	8	4	21.70	21.58	21.67	
3	64QAM	8	7	21.76	21.62	21.66	
3	64QAM	15	0	21.68	21.60	21.71	
3	256QAM	1	0	19.08	19.89	19.28	20.7
3	256QAM	1	8	19.45	19.56	19.38	
3	256QAM	1	14	19.40	19.27	19.80	
3	256QAM	8	0	19.28	19.58	19.37	20.7
3	256QAM	8	4	19.30	19.42	19.33	
3	256QAM	8	7	19.36	19.28	19.51	
3	256QAM	15	0	19.35	19.36	19.41	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	24.38	24.34	24.28	24.7
1.4	QPSK	1	3	24.33	24.21	24.12	
1.4	QPSK	1	5	24.41	24.25	24.16	
1.4	QPSK	3	0	24.25	24.19	24.12	
1.4	QPSK	3	1	24.36	24.25	24.14	
1.4	QPSK	3	3	24.33	24.23	24.14	
1.4	QPSK	6	0	23.35	23.28	23.23	24.7
1.4	16QAM	1	0	23.79	23.63	23.55	24.7
1.4	16QAM	1	3	23.66	23.49	23.35	
1.4	16QAM	1	5	23.81	23.63	23.48	
1.4	16QAM	3	0	23.54	23.45	23.35	
1.4	16QAM	3	1	23.52	23.41	23.31	
1.4	16QAM	3	3	23.46	23.34	23.24	
1.4	16QAM	6	0	22.46	22.32	22.35	23.7
1.4	64QAM	1	0	22.62	22.51	22.45	23.7
1.4	64QAM	1	3	22.52	22.46	22.34	
1.4	64QAM	1	5	22.67	22.49	22.47	
1.4	64QAM	3	0	22.54	22.46	22.41	
1.4	64QAM	3	1	22.52	22.43	22.41	
1.4	64QAM	3	3	22.53	22.40	22.37	
1.4	64QAM	6	0	21.38	21.31	21.35	22.7
1.4	256QAM	1	0	19.16	19.80	19.31	20.7
1.4	256QAM	1	3	19.41	19.53	19.39	
1.4	256QAM	1	5	19.41	19.28	19.74	
1.4	256QAM	3	0	19.28	19.59	19.44	
1.4	256QAM	3	1	19.39	19.51	19.35	
1.4	256QAM	3	3	19.32	19.28	19.55	
1.4	256QAM	6	0	19.27	19.35	19.41	20.7



<LTE Band 25_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.51	20.01	19.46	20.9
20	QPSK	1	49	19.49	19.45	19.45	
20	QPSK	1	99	19.47	19.47	19.42	
20	QPSK	50	0	19.47	19.70	19.49	20.9
20	QPSK	50	24	19.46	19.57	19.48	
20	QPSK	50	50	19.46	19.42	19.48	
20	QPSK	100	0	19.44	19.52	19.49	
20	16QAM	1	0	19.60	19.95	19.53	20.9
20	16QAM	1	49	19.68	19.77	19.72	
20	16QAM	1	99	19.75	19.44	19.94	
20	16QAM	50	0	19.52	19.69	19.48	20.9
20	16QAM	50	24	19.48	19.57	19.57	
20	16QAM	50	50	19.50	19.40	19.80	
20	16QAM	100	0	19.47	19.53	19.47	
20	64QAM	1	0	19.48	19.84	19.59	20.9
20	64QAM	1	49	19.71	19.49	19.73	
20	64QAM	1	99	19.60	19.44	19.81	
20	64QAM	50	0	19.49	19.79	19.43	20.9
20	64QAM	50	24	19.53	19.58	19.57	
20	64QAM	50	50	19.52	19.36	19.81	
20	64QAM	100	0	19.45	19.52	19.53	
20	256QAM	1	0	19.10	19.92	19.33	20.7
20	256QAM	1	49	19.46	19.53	19.31	
20	256QAM	1	99	19.43	19.36	19.86	
20	256QAM	50	0	19.27	19.71	19.49	20.7
20	256QAM	50	24	19.33	19.53	19.39	
20	256QAM	50	50	19.35	19.35	19.63	
20	256QAM	100	0	19.44	19.45	19.53	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.52	19.92	19.55	20.9
15	QPSK	1	37	19.49	19.48	19.54	
15	QPSK	1	74	19.54	19.52	19.50	
15	QPSK	36	0	19.52	19.70	19.48	20.9
15	QPSK	36	20	19.48	19.51	19.41	
15	QPSK	36	39	19.48	19.49	19.51	
15	QPSK	75	0	19.45	19.47	19.48	
15	16QAM	1	0	19.54	19.87	19.57	20.9
15	16QAM	1	37	19.60	19.73	19.70	
15	16QAM	1	74	19.75	19.42	19.88	
15	16QAM	36	0	19.52	19.65	19.50	20.9
15	16QAM	36	20	19.48	19.51	19.59	
15	16QAM	36	39	19.57	19.45	19.76	
15	16QAM	75	0	19.55	19.55	19.48	
15	64QAM	1	0	19.51	19.74	19.60	20.9
15	64QAM	1	37	19.57	19.47	19.57	
15	64QAM	1	74	19.58	19.49	19.78	
15	64QAM	36	0	19.42	19.70	19.33	20.9
15	64QAM	36	20	19.58	19.42	19.51	
15	64QAM	36	39	19.48	19.30	19.85	
15	64QAM	75	0	19.40	19.45	19.48	
15	256QAM	1	0	19.03	19.88	19.34	20.7
15	256QAM	1	37	19.38	19.47	19.28	
15	256QAM	1	74	19.33	19.28	19.76	
15	256QAM	36	0	19.21	19.74	19.44	20.7
15	256QAM	36	20	19.32	19.57	19.38	



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15	256QAM	36	39	19.30	19.33	19.62	
15	256QAM	75	0	19.31	19.37	19.46	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.49	19.91	19.43	20.9
10	QPSK	1	25	19.48	19.49	19.50	
10	QPSK	1	49	19.57	19.48	19.56	
10	QPSK	25	0	19.48	19.70	19.48	20.9
10	QPSK	25	12	19.45	19.52	19.54	
10	QPSK	25	25	19.49	19.41	19.50	
10	QPSK	50	0	19.47	19.41	19.58	
10	16QAM	1	0	19.58	19.87	19.41	
10	16QAM	1	25	19.67	19.64	19.68	20.9
10	16QAM	1	49	19.74	19.44	19.86	
10	16QAM	25	0	19.46	19.74	19.50	20.9
10	16QAM	25	12	19.54	19.48	19.47	
10	16QAM	25	25	19.42	19.51	19.81	
10	16QAM	50	0	19.46	19.54	19.53	
10	64QAM	1	0	19.57	19.77	19.56	
10	64QAM	1	25	19.71	19.51	19.72	20.9
10	64QAM	1	49	19.50	19.51	19.81	
10	64QAM	25	0	19.41	19.74	19.41	
10	64QAM	25	12	19.54	19.50	19.56	20.9
10	64QAM	25	25	19.50	19.39	19.77	
10	64QAM	50	0	19.34	19.51	19.51	
10	256QAM	1	0	19.04	19.78	19.37	20.7
10	256QAM	1	25	19.44	19.49	19.22	
10	256QAM	1	49	19.33	19.29	19.79	
10	256QAM	25	0	19.31	19.65	19.45	
10	256QAM	25	12	19.26	19.58	19.36	20.7
10	256QAM	25	25	19.37	19.20	19.60	
10	256QAM	50	0	19.44	19.41	19.48	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.49	19.89	19.53	20.9
5	QPSK	1	12	19.51	19.47	19.44	
5	QPSK	1	24	19.47	19.44	19.47	
5	QPSK	12	0	19.43	19.64	19.44	20.9
5	QPSK	12	7	19.52	19.58	19.50	
5	QPSK	12	13	19.42	19.42	19.43	
5	QPSK	25	0	19.50	19.50	19.48	
5	16QAM	1	0	19.50	19.94	19.54	
5	16QAM	1	12	19.64	19.64	19.76	20.9
5	16QAM	1	24	19.67	19.46	19.88	
5	16QAM	12	0	19.53	19.67	19.42	
5	16QAM	12	7	19.52	19.46	19.54	20.9
5	16QAM	12	13	19.46	19.53	19.73	
5	16QAM	25	0	19.47	19.53	19.48	
5	64QAM	1	0	19.50	19.76	19.48	
5	64QAM	1	12	19.66	19.48	19.67	20.9
5	64QAM	1	24	19.59	19.53	19.73	
5	64QAM	12	0	19.45	19.71	19.36	
5	64QAM	12	7	19.60	19.52	19.50	20.9
5	64QAM	12	13	19.51	19.41	19.75	
5	64QAM	25	0	19.41	19.46	19.40	
5	256QAM	1	0	19.06	19.90	19.33	
5	256QAM	1	12	19.43	19.54	19.35	20.7
5	256QAM	1	24	19.44	19.36	19.78	
5	256QAM	12	0	19.22	19.64	19.41	20.7
5	256QAM	12	7	19.37	19.44	19.34	
5	256QAM	12	13	19.36	19.36	19.55	
5	256QAM	25	0	19.38	19.38	19.46	



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Channel				26055	26340	26675	Tune-up limit (dBm)	
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	19.51	19.88	19.51	20.9	
3	QPSK	1	8	19.48	19.46	19.57		
3	QPSK	1	14	19.49	19.40	19.48		
3	QPSK	8	0	19.46	19.67	19.53	20.9	
3	QPSK	8	4	19.49	19.42	19.46		
3	QPSK	8	7	19.46	19.47	19.50		
3	QPSK	15	0	19.52	19.51	19.49	20.9	
3	16QAM	1	0	19.47	19.85	19.44		
3	16QAM	1	8	19.70	19.63	19.60		
3	16QAM	1	14	19.70	19.40	19.85	20.9	
3	16QAM	8	0	19.53	19.73	19.41		
3	16QAM	8	4	19.52	19.40	19.61		
3	16QAM	8	7	19.47	19.50	19.77	20.9	
3	16QAM	15	0	19.52	19.46	19.48		
3	64QAM	1	0	19.52	19.76	19.48		
3	64QAM	1	8	19.60	19.49	19.68	20.9	
3	64QAM	1	14	19.61	19.52	19.75		
3	64QAM	8	0	19.44	19.75	19.35		
3	64QAM	8	4	19.59	19.54	19.55	20.9	
3	64QAM	8	7	19.51	19.36	19.75		
3	64QAM	15	0	19.40	19.44	19.52		
3	256QAM	1	0	19.11	19.88	19.33	20.7	
3	256QAM	1	8	19.37	19.51	19.25		
3	256QAM	1	14	19.38	19.28	19.72		
3	256QAM	8	0	19.16	19.67	19.47	20.7	
3	256QAM	8	4	19.31	19.51	19.34		
3	256QAM	8	7	19.29	19.31	19.58		
3	256QAM	15	0	19.35	19.40	19.51	20.7	
Channel				26047	26340	26683		Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	19.49	19.86	19.44	20.9	
1.4	QPSK	1	3	19.37	19.46	19.45		
1.4	QPSK	1	5	19.46	19.40	19.48		
1.4	QPSK	3	0	19.47	19.69	19.45	20.9	
1.4	QPSK	3	1	19.36	19.46	19.44		
1.4	QPSK	3	3	19.43	19.40	19.48		
1.4	QPSK	6	0	19.36	19.46	19.45	20.9	
1.4	16QAM	1	0	19.54	19.93	19.50		
1.4	16QAM	1	3	19.63	19.69	19.69		
1.4	16QAM	1	5	19.67	19.30	19.87	20.9	
1.4	16QAM	3	0	19.43	19.65	19.43		
1.4	16QAM	3	1	19.46	19.50	19.52		
1.4	16QAM	3	3	19.35	19.35	19.81	20.9	
1.4	16QAM	6	0	19.48	19.48	19.35		
1.4	64QAM	1	0	19.43	19.77	19.44		
1.4	64QAM	1	3	19.73	19.54	19.60	20.9	
1.4	64QAM	1	5	19.62	19.36	19.76		
1.4	64QAM	3	0	19.36	19.71	19.37		
1.4	64QAM	3	1	19.60	19.54	19.56	20.9	
1.4	64QAM	3	3	19.47	19.44	19.76		
1.4	64QAM	6	0	19.33	19.50	19.52		
1.4	256QAM	1	0	19.06	19.75	19.35	20.7	
1.4	256QAM	1	3	19.39	19.54	19.28		
1.4	256QAM	1	5	19.42	19.37	19.78		
1.4	256QAM	3	0	19.17	19.61	19.42	20.7	
1.4	256QAM	3	1	19.31	19.53	19.41		
1.4	256QAM	3	3	19.37	19.33	19.61		
1.4	256QAM	6	0	19.29	19.48	19.45	20.7	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	20.26	20.82	20.30	21.7
20	QPSK	1	49	20.25	20.25	20.28	
20	QPSK	1	99	20.21	20.26	20.29	
20	QPSK	50	0	20.22	20.55	20.22	21.7
20	QPSK	50	24	20.22	20.34	20.27	
20	QPSK	50	50	20.22	20.29	20.28	
20	QPSK	100	0	20.25	20.33	20.28	21.7
20	16QAM	1	0	20.36	20.79	20.35	
20	16QAM	1	49	20.50	20.52	20.56	
20	16QAM	1	99	20.49	20.23	20.79	21.7
20	16QAM	50	0	20.29	20.52	20.23	
20	16QAM	50	24	20.35	20.28	20.35	
20	16QAM	50	50	20.27	20.21	20.65	21.7
20	16QAM	100	0	20.30	20.27	20.27	
20	64QAM	1	0	20.34	20.62	20.38	
20	64QAM	1	49	20.48	20.34	20.48	21.7
20	64QAM	1	99	20.36	20.20	20.63	
20	64QAM	50	0	20.22	20.59	20.27	
20	64QAM	50	24	20.40	20.30	20.39	21.7
20	64QAM	50	50	20.38	20.17	20.67	
20	64QAM	100	0	20.29	20.25	20.35	
20	256QAM	1	0	19.10	19.88	19.33	20.7
20	256QAM	1	49	19.45	19.53	19.39	
20	256QAM	1	99	19.43	19.36	19.83	
20	256QAM	50	0	19.34	19.69	19.51	20.7
20	256QAM	50	24	19.35	19.57	19.42	
20	256QAM	50	50	19.34	19.38	19.60	
20	256QAM	100	0	19.41	19.46	19.44	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	20.26	20.70	20.26	21.7
15	QPSK	1	37	20.23	20.31	20.32	
15	QPSK	1	74	20.31	20.34	20.25	
15	QPSK	36	0	20.25	20.49	20.31	21.7
15	QPSK	36	20	20.29	20.31	20.24	
15	QPSK	36	39	20.28	20.22	20.30	
15	QPSK	75	0	20.28	20.31	20.37	21.7
15	16QAM	1	0	20.30	20.74	20.31	
15	16QAM	1	37	20.46	20.47	20.44	
15	16QAM	1	74	20.47	20.20	20.68	21.7
15	16QAM	36	0	20.37	20.49	20.35	
15	16QAM	36	20	20.21	20.29	20.37	
15	16QAM	36	39	20.38	20.27	20.58	21.7
15	16QAM	75	0	20.31	20.33	20.26	
15	64QAM	1	0	20.31	20.57	20.33	
15	64QAM	1	37	20.44	20.36	20.37	21.7
15	64QAM	1	74	20.42	20.24	20.52	
15	64QAM	36	0	20.13	20.43	20.13	
15	64QAM	36	20	20.39	20.26	20.32	21.7
15	64QAM	36	39	20.21	20.16	20.62	
15	64QAM	75	0	20.21	20.31	20.26	
15	256QAM	1	0	19.08	19.86	19.26	20.7
15	256QAM	1	37	19.37	19.44	19.21	
15	256QAM	1	74	19.41	19.28	19.79	
15	256QAM	36	0	19.22	19.69	19.51	20.7
15	256QAM	36	20	19.39	19.53	19.35	



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15	256QAM	36	39	19.32	19.33	19.61	
15	256QAM	75	0	19.30	19.43	19.52	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	20.26	20.62	20.30	21.7
10	QPSK	1	25	20.29	20.31	20.32	
10	QPSK	1	49	20.35	20.35	20.33	
10	QPSK	25	0	20.24	20.44	20.28	21.7
10	QPSK	25	12	20.29	20.37	20.33	
10	QPSK	25	25	20.24	20.25	20.30	
10	QPSK	50	0	20.30	20.24	20.37	
10	16QAM	1	0	20.29	20.70	20.21	21.7
10	16QAM	1	25	20.46	20.46	20.48	
10	16QAM	1	49	20.53	20.27	20.67	
10	16QAM	25	0	20.27	20.49	20.31	21.7
10	16QAM	25	12	20.27	20.27	20.34	
10	16QAM	25	25	20.29	20.33	20.57	
10	16QAM	50	0	20.25	20.33	20.38	
10	64QAM	1	0	20.28	20.55	20.34	
10	64QAM	1	25	20.47	20.33	20.43	21.7
10	64QAM	1	49	20.26	20.29	20.65	
10	64QAM	25	0	20.25	20.52	20.20	
10	64QAM	25	12	20.40	20.27	20.41	21.7
10	64QAM	25	25	20.29	20.20	20.61	
10	64QAM	50	0	20.18	20.27	20.32	
10	256QAM	1	0	19.08	19.80	19.34	
10	256QAM	1	25	19.41	19.50	19.26	20.7
10	256QAM	1	49	19.41	19.21	19.73	
10	256QAM	25	0	19.30	19.74	19.40	
10	256QAM	25	12	19.29	19.59	19.32	20.7
10	256QAM	25	25	19.38	19.21	19.57	
10	256QAM	50	0	19.39	19.35	19.48	
Channel				26065	26340	26665	
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	20.24	20.71	20.35	21.7
5	QPSK	1	12	20.33	20.22	20.24	
5	QPSK	1	24	20.29	20.29	20.26	
5	QPSK	12	0	20.25	20.48	20.26	21.7
5	QPSK	12	7	20.26	20.46	20.28	
5	QPSK	12	13	20.25	20.30	20.22	
5	QPSK	25	0	20.25	20.31	20.35	
5	16QAM	1	0	20.33	20.76	20.32	21.7
5	16QAM	1	12	20.54	20.42	20.55	
5	16QAM	1	24	20.45	20.23	20.69	
5	16QAM	12	0	20.31	20.46	20.23	21.7
5	16QAM	12	7	20.30	20.25	20.29	
5	16QAM	12	13	20.24	20.27	20.46	
5	16QAM	25	0	20.30	20.38	20.25	
5	64QAM	1	0	20.33	20.62	20.36	21.7
5	64QAM	1	12	20.40	20.29	20.43	
5	64QAM	1	24	20.37	20.29	20.55	
5	64QAM	12	0	20.18	20.47	20.22	21.7
5	64QAM	12	7	20.37	20.38	20.30	
5	64QAM	12	13	20.33	20.21	20.54	
5	64QAM	25	0	20.21	20.26	20.17	
5	256QAM	1	0	19.08	19.82	19.34	20.7
5	256QAM	1	12	19.45	19.47	19.32	
5	256QAM	1	24	19.48	19.37	19.78	
5	256QAM	12	0	19.25	19.62	19.36	20.7
5	256QAM	12	7	19.42	19.49	19.36	
5	256QAM	12	13	19.37	19.38	19.61	
5	256QAM	25	0	19.38	19.43	19.51	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	20.38	20.69	20.28	21.7
3	QPSK	1	8	20.24	20.23	20.28	
3	QPSK	1	14	20.26	20.26	20.30	
3	QPSK	8	0	20.36	20.42	20.35	21.7
3	QPSK	8	4	20.24	20.29	20.29	
3	QPSK	8	7	20.30	20.32	20.28	
3	QPSK	15	0	20.37	20.23	20.38	
3	16QAM	1	0	20.27	20.63	20.33	21.7
3	16QAM	1	8	20.45	20.38	20.39	
3	16QAM	1	14	20.42	20.26	20.75	
3	16QAM	8	0	20.35	20.47	20.25	21.7
3	16QAM	8	4	20.34	20.21	20.33	
3	16QAM	8	7	20.31	20.23	20.54	
3	16QAM	15	0	20.36	20.32	20.21	
3	64QAM	1	0	20.38	20.62	20.30	21.7
3	64QAM	1	8	20.43	20.33	20.47	
3	64QAM	1	14	20.41	20.30	20.61	
3	64QAM	8	0	20.28	20.51	20.12	21.7
3	64QAM	8	4	20.39	20.32	20.44	
3	64QAM	8	7	20.31	20.12	20.53	
3	64QAM	15	0	20.20	20.30	20.27	
3	256QAM	1	0	19.16	19.95	19.25	20.7
3	256QAM	1	8	19.39	19.58	19.27	
3	256QAM	1	14	19.33	19.35	19.73	
3	256QAM	8	0	19.17	19.60	19.45	20.7
3	256QAM	8	4	19.35	19.48	19.32	
3	256QAM	8	7	19.37	19.37	19.55	
3	256QAM	15	0	19.40	19.47	19.51	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	20.23	20.69	20.23	21.7
1.4	QPSK	1	3	20.15	20.22	20.23	
1.4	QPSK	1	5	20.20	20.15	20.20	
1.4	QPSK	3	0	20.22	20.44	20.24	
1.4	QPSK	3	1	20.16	20.28	20.27	
1.4	QPSK	3	3	20.27	20.21	20.25	
1.4	QPSK	6	0	20.21	20.26	20.19	21.7
1.4	16QAM	1	0	20.40	20.73	20.32	21.7
1.4	16QAM	1	3	20.41	20.45	20.48	
1.4	16QAM	1	5	20.47	20.13	20.66	
1.4	16QAM	3	0	20.18	20.41	20.13	
1.4	16QAM	3	1	20.28	20.28	20.33	
1.4	16QAM	3	3	20.22	20.22	20.55	
1.4	16QAM	6	0	20.23	20.30	20.24	21.7
1.4	64QAM	1	0	20.26	20.61	20.31	21.7
1.4	64QAM	1	3	20.51	20.30	20.35	
1.4	64QAM	1	5	20.43	20.20	20.52	
1.4	64QAM	3	0	20.21	20.42	20.19	
1.4	64QAM	3	1	20.40	20.28	20.34	
1.4	64QAM	3	3	20.32	20.20	20.51	
1.4	64QAM	6	0	20.22	20.34	20.31	21.7
1.4	256QAM	1	0	19.00	19.81	19.37	20.7
1.4	256QAM	1	3	19.44	19.51	19.27	
1.4	256QAM	1	5	19.43	19.27	19.79	
1.4	256QAM	3	0	19.16	19.64	19.41	
1.4	256QAM	3	1	19.39	19.59	19.38	
1.4	256QAM	3	3	19.39	19.35	19.62	
1.4	256QAM	6	0	19.31	19.44	19.51	20.7



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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
20	20.26	20.82	20.30	20.9
20	20.25	20.25	20.28	
20	20.21	20.26	20.29	
20	20.22	20.55	20.22	20.9
20	20.22	20.34	20.27	
20	20.22	20.29	20.28	
20	20.25	20.33	20.28	20.9
20	20.36	20.79	20.35	
20	20.50	20.52	20.56	
20	20.49	20.23	20.79	20.9
20	20.29	20.52	20.23	
20	20.35	20.28	20.35	
20	20.27	20.21	20.65	20.9
20	20.30	20.27	20.27	
20	20.34	20.62	20.38	
20	20.48	20.34	20.48	20.9
20	20.36	20.20	20.63	
20	20.22	20.59	20.27	
20	20.40	20.30	20.39	20.9
20	20.38	20.17	20.67	
20	20.29	20.25	20.35	
20	19.10	19.88	19.33	20.7
20	19.45	19.53	19.39	
20	19.43	19.36	19.83	
20	19.34	19.69	19.51	20.7
20	19.35	19.57	19.42	
20	19.34	19.38	19.60	
20	19.41	19.46	19.44	20.7
Channel	26115	26340	26615	
Frequency (MHz)	1857.5	1880	1907.5	
15	20.26	20.70	20.26	20.9
15	20.23	20.31	20.32	
15	20.31	20.34	20.25	
15	20.25	20.49	20.31	20.9
15	20.29	20.31	20.24	
15	20.28	20.22	20.30	
15	20.28	20.31	20.37	20.9
15	20.30	20.74	20.31	
15	20.46	20.47	20.44	
15	20.47	20.20	20.68	20.9
15	20.37	20.49	20.35	
15	20.21	20.29	20.37	
15	20.38	20.27	20.58	20.9
15	20.31	20.33	20.26	
15	20.31	20.57	20.33	
15	20.44	20.36	20.37	20.9
15	20.42	20.24	20.52	
15	20.13	20.43	20.13	
15	20.39	20.26	20.32	20.9
15	20.21	20.16	20.62	
15	20.21	20.31	20.26	
15	19.08	19.86	19.26	20.7
15	19.37	19.44	19.21	
15	19.41	19.28	19.79	
15	19.22	19.69	19.51	20.7
15	19.39	19.53	19.35	



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15	256QAM	36	39	19.32	19.33	19.61	
15	256QAM	75	0	19.30	19.43	19.52	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	20.26	20.62	20.30	20.9
10	QPSK	1	25	20.29	20.31	20.32	
10	QPSK	1	49	20.35	20.35	20.33	
10	QPSK	25	0	20.24	20.44	20.28	20.9
10	QPSK	25	12	20.29	20.37	20.33	
10	QPSK	25	25	20.24	20.25	20.30	
10	QPSK	50	0	20.30	20.24	20.37	
10	16QAM	1	0	20.29	20.70	20.21	20.9
10	16QAM	1	25	20.46	20.46	20.48	
10	16QAM	1	49	20.53	20.27	20.67	
10	16QAM	25	0	20.27	20.49	20.31	20.9
10	16QAM	25	12	20.27	20.27	20.34	
10	16QAM	25	25	20.29	20.33	20.57	
10	16QAM	50	0	20.25	20.33	20.38	
10	64QAM	1	0	20.28	20.55	20.34	20.9
10	64QAM	1	25	20.47	20.33	20.43	
10	64QAM	1	49	20.26	20.29	20.65	
10	64QAM	25	0	20.25	20.52	20.20	20.9
10	64QAM	25	12	20.40	20.27	20.41	
10	64QAM	25	25	20.29	20.20	20.61	
10	64QAM	50	0	20.18	20.27	20.32	
10	256QAM	1	0	19.08	19.80	19.34	20.7
10	256QAM	1	25	19.41	19.50	19.26	
10	256QAM	1	49	19.41	19.21	19.73	
10	256QAM	25	0	19.30	19.74	19.40	20.7
10	256QAM	25	12	19.29	19.59	19.32	
10	256QAM	25	25	19.38	19.21	19.57	
10	256QAM	50	0	19.39	19.35	19.48	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	20.24	20.71	20.35	20.9
5	QPSK	1	12	20.33	20.22	20.24	
5	QPSK	1	24	20.29	20.29	20.26	
5	QPSK	12	0	20.25	20.48	20.26	20.9
5	QPSK	12	7	20.26	20.46	20.28	
5	QPSK	12	13	20.25	20.30	20.22	
5	QPSK	25	0	20.25	20.31	20.35	
5	16QAM	1	0	20.33	20.76	20.32	20.9
5	16QAM	1	12	20.54	20.42	20.55	
5	16QAM	1	24	20.45	20.23	20.69	
5	16QAM	12	0	20.31	20.46	20.23	20.9
5	16QAM	12	7	20.30	20.25	20.29	
5	16QAM	12	13	20.24	20.27	20.46	
5	16QAM	25	0	20.30	20.38	20.25	
5	64QAM	1	0	20.33	20.62	20.36	20.9
5	64QAM	1	12	20.40	20.29	20.43	
5	64QAM	1	24	20.37	20.29	20.55	
5	64QAM	12	0	20.18	20.47	20.22	20.9
5	64QAM	12	7	20.37	20.38	20.30	
5	64QAM	12	13	20.33	20.21	20.54	
5	64QAM	25	0	20.21	20.26	20.17	
5	256QAM	1	0	19.08	19.82	19.34	20.7
5	256QAM	1	12	19.45	19.47	19.32	
5	256QAM	1	24	19.48	19.37	19.78	
5	256QAM	12	0	19.25	19.62	19.36	20.7
5	256QAM	12	7	19.42	19.49	19.36	
5	256QAM	12	13	19.37	19.38	19.61	
5	256QAM	25	0	19.38	19.43	19.51	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	20.38	20.69	20.28	20.9
3	QPSK	1	8	20.24	20.23	20.28	
3	QPSK	1	14	20.26	20.26	20.30	
3	QPSK	8	0	20.36	20.42	20.35	20.9
3	QPSK	8	4	20.24	20.29	20.29	
3	QPSK	8	7	20.30	20.32	20.28	
3	QPSK	15	0	20.37	20.23	20.38	
3	16QAM	1	0	20.27	20.63	20.33	
3	16QAM	1	8	20.45	20.38	20.39	20.9
3	16QAM	1	14	20.42	20.26	20.75	
3	16QAM	8	0	20.35	20.47	20.25	
3	16QAM	8	4	20.34	20.21	20.33	20.9
3	16QAM	8	7	20.31	20.23	20.54	
3	16QAM	15	0	20.36	20.32	20.21	
3	64QAM	1	0	20.38	20.62	20.30	
3	64QAM	1	8	20.43	20.33	20.47	20.9
3	64QAM	1	14	20.41	20.30	20.61	
3	64QAM	8	0	20.28	20.51	20.12	
3	64QAM	8	4	20.39	20.32	20.44	20.9
3	64QAM	8	7	20.31	20.12	20.53	
3	64QAM	15	0	20.20	20.30	20.27	
3	256QAM	1	0	19.16	19.95	19.25	
3	256QAM	1	8	19.39	19.58	19.27	20.7
3	256QAM	1	14	19.33	19.35	19.73	
3	256QAM	8	0	19.17	19.60	19.45	
3	256QAM	8	4	19.35	19.48	19.32	20.7
3	256QAM	8	7	19.37	19.37	19.55	
3	256QAM	15	0	19.40	19.47	19.51	
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	20.23	20.69	20.23	20.9
1.4	QPSK	1	3	20.15	20.22	20.23	
1.4	QPSK	1	5	20.20	20.15	20.20	
1.4	QPSK	3	0	20.22	20.44	20.24	
1.4	QPSK	3	1	20.16	20.28	20.27	
1.4	QPSK	3	3	20.27	20.21	20.25	
1.4	QPSK	6	0	20.21	20.26	20.19	20.9
1.4	16QAM	1	0	20.40	20.73	20.32	20.9
1.4	16QAM	1	3	20.41	20.45	20.48	
1.4	16QAM	1	5	20.47	20.13	20.66	
1.4	16QAM	3	0	20.18	20.41	20.13	
1.4	16QAM	3	1	20.28	20.28	20.33	
1.4	16QAM	3	3	20.22	20.22	20.55	
1.4	16QAM	6	0	20.23	20.30	20.24	20.9
1.4	64QAM	1	0	20.26	20.61	20.31	20.9
1.4	64QAM	1	3	20.51	20.30	20.35	
1.4	64QAM	1	5	20.43	20.20	20.52	
1.4	64QAM	3	0	20.21	20.42	20.19	
1.4	64QAM	3	1	20.40	20.28	20.34	
1.4	64QAM	3	3	20.32	20.20	20.51	
1.4	64QAM	6	0	20.22	20.34	20.31	20.9
1.4	256QAM	1	0	19.00	19.81	19.37	20.7
1.4	256QAM	1	3	19.44	19.51	19.27	
1.4	256QAM	1	5	19.43	19.27	19.79	
1.4	256QAM	3	0	19.16	19.64	19.41	
1.4	256QAM	3	1	19.39	19.59	19.38	
1.4	256QAM	3	3	19.39	19.35	19.62	
1.4	256QAM	6	0	19.31	19.44	19.51	20.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.34	24.36	24.29	25.7
15	QPSK	1	37	24.21	24.28	24.17	
15	QPSK	1	74	24.19	24.22	24.04	
15	QPSK	36	0	23.32	23.37	23.31	24.7
15	QPSK	36	20	23.32	23.33	23.26	
15	QPSK	36	39	23.29	23.30	23.24	
15	QPSK	75	0	23.37	23.38	23.30	24.7
15	16QAM	1	0	23.69	23.56	23.61	
15	16QAM	1	37	23.60	23.51	23.47	
15	16QAM	1	74	23.48	23.37	23.34	23.7
15	16QAM	36	0	22.35	22.40	22.31	
15	16QAM	36	20	22.29	22.34	22.29	
15	16QAM	36	39	22.30	22.30	22.25	23.7
15	16QAM	75	0	22.38	22.40	22.30	
15	64QAM	1	0	22.44	22.54	22.54	
15	64QAM	1	37	22.28	22.47	22.55	23.7
15	64QAM	1	74	22.32	22.39	22.37	
15	64QAM	36	0	21.38	21.37	21.36	
15	64QAM	36	20	21.31	21.35	21.33	22.7
15	64QAM	36	39	21.31	21.32	21.29	
15	64QAM	75	0	21.36	21.35	21.29	
15	256QAM	1	0	19.57	19.63	19.56	20.7
15	256QAM	1	37	19.51	19.51	19.40	
15	256QAM	1	74	19.51	19.44	19.36	
15	256QAM	36	0	19.42	19.41	19.35	20.7
15	256QAM	36	20	19.43	19.35	19.31	
15	256QAM	36	39	19.32	19.29	19.28	
15	256QAM	75	0	19.39	19.40	19.37	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.34	24.32	24.26	25.7
10	QPSK	1	25	24.21	24.13	24.04	
10	QPSK	1	49	24.23	24.17	24.08	
10	QPSK	25	0	23.38	23.38	23.29	24.7
10	QPSK	25	12	23.35	23.34	23.26	
10	QPSK	25	25	23.33	23.31	23.24	
10	QPSK	50	0	23.39	23.37	23.26	24.7
10	16QAM	1	0	23.59	23.57	23.59	
10	16QAM	1	25	23.41	23.42	23.36	
10	16QAM	1	49	23.45	23.46	23.33	23.7
10	16QAM	25	0	22.37	22.40	22.30	
10	16QAM	25	12	22.36	22.36	22.27	
10	16QAM	25	25	22.33	22.34	22.23	23.7
10	16QAM	50	0	22.32	22.31	22.21	
10	64QAM	1	0	22.48	22.52	22.48	
10	64QAM	1	25	22.38	22.40	22.35	23.7
10	64QAM	1	49	22.42	22.49	22.40	
10	64QAM	25	0	21.34	21.34	21.25	
10	64QAM	25	12	21.31	21.33	21.25	22.7
10	64QAM	25	25	21.28	21.30	21.22	
10	64QAM	50	0	21.33	21.32	21.26	
10	256QAM	1	0	19.44	19.43	19.44	20.7
10	256QAM	1	25	19.36	19.40	19.24	
10	256QAM	1	49	19.36	19.28	19.21	
10	256QAM	25	0	19.25	19.30	19.15	20.7
10	256QAM	25	12	19.29	19.16	19.18	



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10	256QAM	25	25	19.16	19.17	19.11	
10	256QAM	50	0	19.24	19.25	19.22	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.22	24.26	24.20	25.7
5	QPSK	1	12	24.15	24.20	24.09	
5	QPSK	1	24	24.18	24.25	24.14	
5	QPSK	12	0	23.30	23.34	23.26	24.7
5	QPSK	12	7	23.30	23.32	23.24	
5	QPSK	12	13	23.27	23.31	23.23	
5	QPSK	25	0	23.33	23.35	23.28	
5	16QAM	1	0	23.50	23.53	23.47	24.7
5	16QAM	1	12	23.51	23.57	23.36	
5	16QAM	1	24	23.48	23.53	23.42	
5	16QAM	12	0	22.33	22.34	22.29	
5	16QAM	12	7	22.33	22.34	22.29	23.7
5	16QAM	12	13	22.28	22.34	22.25	
5	16QAM	25	0	22.34	22.34	22.27	
5	64QAM	1	0	22.48	22.46	22.34	23.7
5	64QAM	1	12	22.51	22.49	22.36	
5	64QAM	1	24	22.48	22.52	22.38	
5	64QAM	12	0	21.33	21.42	21.32	22.7
5	64QAM	12	7	21.32	21.39	21.32	
5	64QAM	12	13	21.30	21.37	21.29	
5	64QAM	25	0	21.34	21.34	21.25	
5	256QAM	1	0	19.37	19.52	19.46	20.7
5	256QAM	1	12	19.37	19.34	19.22	
5	256QAM	1	24	19.31	19.30	19.18	
5	256QAM	12	0	19.31	19.23	19.25	
5	256QAM	12	7	19.33	19.19	19.20	20.7
5	256QAM	12	13	19.18	19.19	19.16	
5	256QAM	25	0	19.20	19.24	19.24	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.34	24.27	24.29	25.7
3	QPSK	1	8	24.22	24.22	24.11	
3	QPSK	1	14	24.27	24.26	24.16	
3	QPSK	8	0	23.27	23.28	23.21	24.7
3	QPSK	8	4	23.24	23.29	23.17	
3	QPSK	8	7	23.28	23.32	23.23	
3	QPSK	15	0	23.27	23.31	23.20	
3	16QAM	1	0	23.59	23.62	23.48	24.7
3	16QAM	1	8	23.41	23.46	23.32	
3	16QAM	1	14	23.53	23.58	23.45	
3	16QAM	8	0	22.28	22.31	22.23	
3	16QAM	8	4	22.29	22.32	22.23	23.7
3	16QAM	8	7	22.29	22.34	22.25	
3	16QAM	15	0	22.26	22.29	22.20	
3	64QAM	1	0	22.49	22.53	22.38	23.7
3	64QAM	1	8	22.43	22.48	22.27	
3	64QAM	1	14	22.47	22.54	22.39	
3	64QAM	8	0	21.30	21.33	21.21	22.7
3	64QAM	8	4	21.30	21.37	21.25	
3	64QAM	8	7	21.34	21.41	21.27	
3	64QAM	15	0	21.28	21.34	21.23	
3	256QAM	1	0	19.37	19.50	19.36	20.7
3	256QAM	1	8	19.32	19.41	19.22	
3	256QAM	1	14	19.33	19.31	19.24	
3	256QAM	8	0	19.28	19.31	19.21	20.7
3	256QAM	8	4	19.27	19.19	19.11	
3	256QAM	8	7	19.13	19.11	19.16	
3	256QAM	15	0	19.21	19.23	19.18	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.23	24.25	24.12	25.7
1.4	QPSK	1	3	24.07	24.15	24.02	
1.4	QPSK	1	5	24.21	24.26	24.11	
1.4	QPSK	3	0	24.10	24.15	24.01	
1.4	QPSK	3	1	24.22	24.25	24.12	
1.4	QPSK	3	3	24.19	24.25	24.08	
1.4	QPSK	6	0	23.22	23.27	23.13	24.7
1.4	16QAM	1	0	23.44	23.52	23.37	24.7
1.4	16QAM	1	3	23.22	23.33	23.20	
1.4	16QAM	1	5	23.40	23.49	23.33	
1.4	16QAM	3	0	23.28	23.37	23.22	
1.4	16QAM	3	1	23.29	23.36	23.21	
1.4	16QAM	3	3	23.23	23.29	23.14	
1.4	16QAM	6	0	22.24	22.30	22.22	23.7
1.4	64QAM	1	0	22.31	22.35	22.26	23.7
1.4	64QAM	1	3	22.22	22.32	22.24	
1.4	64QAM	1	5	22.36	22.44	22.30	
1.4	64QAM	3	0	22.27	22.32	22.20	
1.4	64QAM	3	1	22.17	22.22	22.07	
1.4	64QAM	3	3	22.22	22.32	22.21	
1.4	64QAM	6	0	21.20	21.28	21.13	22.7
1.4	256QAM	1	0	19.30	19.33	19.32	20.7
1.4	256QAM	1	3	19.17	19.25	19.17	
1.4	256QAM	1	5	19.18	19.34	19.25	
1.4	256QAM	3	0	19.26	19.30	19.29	
1.4	256QAM	3	1	19.25	19.32	19.30	
1.4	256QAM	3	3	19.24	19.37	19.33	
1.4	256QAM	6	0	19.33	19.35	19.30	20.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	19.26	19.28	19.21	21.1
15	QPSK	1	37	19.19	19.20	19.20	
15	QPSK	1	74	19.20	19.19	19.20	
15	QPSK	36	0	19.31	19.32	19.31	21.1
15	QPSK	36	20	19.29	19.28	19.27	
15	QPSK	36	39	19.25	19.24	19.22	
15	QPSK	75	0	19.36	19.31	19.26	
15	16QAM	1	0	19.64	19.55	19.68	21.1
15	16QAM	1	37	19.53	19.42	19.50	
15	16QAM	1	74	19.46	19.43	19.43	
15	16QAM	36	0	19.31	19.33	19.36	21.1
15	16QAM	36	20	19.29	19.28	19.31	
15	16QAM	36	39	19.29	19.24	19.29	
15	16QAM	75	0	19.35	19.30	19.30	
15	64QAM	1	0	19.55	19.42	19.69	21.1
15	64QAM	1	37	19.29	19.37	19.39	
15	64QAM	1	74	19.44	19.34	19.44	
15	64QAM	36	0	19.33	19.31	19.35	21.1
15	64QAM	36	20	19.28	19.27	19.31	
15	64QAM	36	39	19.28	19.24	19.29	
15	64QAM	75	0	19.27	19.26	19.28	
15	256QAM	1	0	19.56	19.65	19.54	20.2
15	256QAM	1	37	19.42	19.41	19.38	
15	256QAM	1	74	19.34	19.36	19.29	
15	256QAM	36	0	19.47	19.37	19.43	20.2
15	256QAM	36	20	19.35	19.31	19.29	
15	256QAM	36	39	19.30	19.34	19.26	
15	256QAM	75	0	19.38	19.38	19.36	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	19.24	19.19	19.11	21.1
10	QPSK	1	25	19.13	19.15	19.19	
10	QPSK	1	49	19.12	19.14	19.17	
10	QPSK	25	0	19.26	19.31	19.25	21.1
10	QPSK	25	12	19.22	19.21	19.18	
10	QPSK	25	25	19.18	19.17	19.19	
10	QPSK	50	0	19.28	19.23	19.23	
10	16QAM	1	0	19.60	19.53	19.67	21.1
10	16QAM	1	25	19.50	19.34	19.44	
10	16QAM	1	49	19.40	19.37	19.35	
10	16QAM	25	0	19.24	19.27	19.36	21.1
10	16QAM	25	12	19.19	19.25	19.25	
10	16QAM	25	25	19.28	19.17	19.19	
10	16QAM	50	0	19.32	19.28	19.26	
10	64QAM	1	0	19.53	19.32	19.60	21.1
10	64QAM	1	25	19.21	19.33	19.29	
10	64QAM	1	49	19.44	19.24	19.40	
10	64QAM	25	0	19.29	19.22	19.31	21.1
10	64QAM	25	12	19.18	19.21	19.27	
10	64QAM	25	25	19.27	19.22	19.28	
10	64QAM	50	0	19.21	19.17	19.27	
10	256QAM	1	0	19.56	19.62	19.48	20.2
10	256QAM	1	25	19.38	19.36	19.30	
10	256QAM	1	49	19.34	19.34	19.25	
10	256QAM	25	0	19.45	19.29	19.35	20.2
10	256QAM	25	12	19.30	19.29	19.27	



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10	256QAM	25	25	19.24	19.33	19.18	
10	256QAM	50	0	19.38	19.35	19.26	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	19.21	19.26	19.17	21.1
5	QPSK	1	12	19.14	19.14	19.15	
5	QPSK	1	24	19.17	19.18	19.13	
5	QPSK	12	0	19.27	19.29	19.23	21.1
5	QPSK	12	7	19.23	19.21	19.24	
5	QPSK	12	13	19.18	19.23	19.17	
5	QPSK	25	0	19.30	19.21	19.20	
5	16QAM	1	0	19.55	19.50	19.66	21.1
5	16QAM	1	12	19.49	19.42	19.48	
5	16QAM	1	24	19.37	19.43	19.34	
5	16QAM	12	0	19.27	19.24	19.29	21.1
5	16QAM	12	7	19.23	19.28	19.25	
5	16QAM	12	13	19.21	19.15	19.21	
5	16QAM	25	0	19.35	19.25	19.26	
5	64QAM	1	0	19.52	19.42	19.59	21.1
5	64QAM	1	12	19.24	19.28	19.34	
5	64QAM	1	24	19.35	19.25	19.38	
5	64QAM	12	0	19.29	19.29	19.31	21.1
5	64QAM	12	7	19.28	19.26	19.28	
5	64QAM	12	13	19.19	19.21	19.26	
5	64QAM	25	0	19.25	19.16	19.20	
5	256QAM	1	0	19.51	19.59	19.54	20.2
5	256QAM	1	12	19.34	19.40	19.38	
5	256QAM	1	24	19.30	19.32	19.26	
5	256QAM	12	0	19.37	19.37	19.34	20.2
5	256QAM	12	7	19.32	19.21	19.25	
5	256QAM	12	13	19.23	19.34	19.24	
5	256QAM	25	0	19.36	19.31	19.34	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	19.18	19.24	19.17	21.1
3	QPSK	1	8	19.15	19.16	19.11	
3	QPSK	1	14	19.20	19.13	19.15	
3	QPSK	8	0	19.27	19.24	19.24	21.1
3	QPSK	8	4	19.23	19.23	19.19	
3	QPSK	8	7	19.24	19.20	19.18	
3	QPSK	15	0	19.29	19.26	19.22	
3	16QAM	1	0	19.64	19.53	19.64	21.1
3	16QAM	1	8	19.52	19.37	19.46	
3	16QAM	1	14	19.41	19.34	19.34	
3	16QAM	8	0	19.22	19.30	19.33	21.1
3	16QAM	8	4	19.22	19.18	19.31	
3	16QAM	8	7	19.29	19.21	19.26	
3	16QAM	15	0	19.28	19.25	19.29	
3	64QAM	1	0	19.55	19.38	19.67	21.1
3	64QAM	1	8	19.25	19.33	19.39	
3	64QAM	1	14	19.34	19.31	19.44	
3	64QAM	8	0	19.31	19.28	19.34	21.1
3	64QAM	8	4	19.25	19.20	19.21	
3	64QAM	8	7	19.28	19.15	19.24	
3	64QAM	15	0	19.26	19.17	19.18	
3	256QAM	1	0	19.49	19.60	19.54	20.2
3	256QAM	1	8	19.42	19.33	19.35	
3	256QAM	1	14	19.30	19.26	19.20	
3	256QAM	8	0	19.45	19.27	19.43	20.2
3	256QAM	8	4	19.32	19.22	19.26	
3	256QAM	8	7	19.30	19.29	19.23	
3	256QAM	15	0	19.35	19.30	19.36	



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Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	19.19	19.26	19.12	21.1
1.4	QPSK	1	3	19.12	19.12	19.12	
1.4	QPSK	1	5	19.15	19.11	19.19	
1.4	QPSK	3	0	19.21	19.28	19.25	
1.4	QPSK	3	1	19.21	19.24	19.22	
1.4	QPSK	3	3	19.21	19.24	19.18	
1.4	QPSK	6	0	19.33	19.29	19.19	21.1
1.4	16QAM	1	0	19.54	19.51	19.63	21.1
1.4	16QAM	1	3	19.52	19.34	19.40	
1.4	16QAM	1	5	19.45	19.34	19.40	
1.4	16QAM	3	0	19.23	19.25	19.36	
1.4	16QAM	3	1	19.24	19.22	19.22	
1.4	16QAM	3	3	19.20	19.18	19.28	
1.4	16QAM	6	0	19.30	19.30	19.30	21.1
1.4	64QAM	1	0	19.55	19.36	19.62	21.1
1.4	64QAM	1	3	19.25	19.36	19.35	
1.4	64QAM	1	5	19.38	19.27	19.36	
1.4	64QAM	3	0	19.30	19.26	19.32	
1.4	64QAM	3	1	19.27	19.17	19.22	
1.4	64QAM	3	3	19.26	19.21	19.19	
1.4	64QAM	6	0	19.17	19.17	19.28	21.1
1.4	256QAM	1	0	19.50	19.57	19.46	20.2
1.4	256QAM	1	3	19.32	19.38	19.30	
1.4	256QAM	1	5	19.31	19.26	19.19	
1.4	256QAM	3	0	19.46	19.32	19.41	
1.4	256QAM	3	1	19.30	19.27	19.19	
1.4	256QAM	3	3	19.21	19.29	19.18	
1.4	256QAM	6	0	19.28	19.35	19.33	20.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	18.30	18.36	18.26	19
15	QPSK	1	37	18.22	18.26	18.26	
15	QPSK	1	74	18.23	18.21	18.22	
15	QPSK	36	0	18.38	18.35	18.33	19
15	QPSK	36	20	18.35	18.29	18.31	
15	QPSK	36	39	18.29	18.34	18.25	
15	QPSK	75	0	18.37	18.36	18.29	19
15	16QAM	1	0	18.71	18.60	18.70	
15	16QAM	1	37	18.53	18.49	18.51	
15	16QAM	1	74	18.47	18.52	18.53	19
15	16QAM	36	0	18.32	18.42	18.44	
15	16QAM	36	20	18.39	18.31	18.31	
15	16QAM	36	39	18.35	18.29	18.31	19
15	16QAM	75	0	18.36	18.33	18.38	
15	64QAM	1	0	18.65	18.52	18.79	
15	64QAM	1	37	18.37	18.45	18.43	19
15	64QAM	1	74	18.52	18.40	18.52	
15	64QAM	36	0	18.33	18.39	18.36	
15	64QAM	36	20	18.30	18.28	18.32	19
15	64QAM	36	39	18.29	18.25	18.33	
15	64QAM	75	0	18.34	18.36	18.38	
15	256QAM	1	0	18.62	18.67	18.55	19
15	256QAM	1	37	18.46	18.49	18.39	
15	256QAM	1	74	18.39	18.45	18.29	
15	256QAM	36	0	18.51	18.40	18.53	19
15	256QAM	36	20	18.38	18.31	18.33	
15	256QAM	36	39	18.31	18.41	18.30	
15	256QAM	75	0	18.41	18.44	18.36	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	18.24	18.27	18.15	19
10	QPSK	1	25	18.19	18.25	18.25	
10	QPSK	1	49	18.13	18.20	18.17	
10	QPSK	25	0	18.32	18.39	18.27	19
10	QPSK	25	12	18.22	18.21	18.20	
10	QPSK	25	25	18.23	18.25	18.29	
10	QPSK	50	0	18.30	18.24	18.24	19
10	16QAM	1	0	18.68	18.54	18.75	
10	16QAM	1	25	18.57	18.42	18.48	
10	16QAM	1	49	18.48	18.47	18.42	19
10	16QAM	25	0	18.32	18.32	18.44	
10	16QAM	25	12	18.28	18.26	18.26	
10	16QAM	25	25	18.35	18.20	18.21	19
10	16QAM	50	0	18.35	18.33	18.30	
10	64QAM	1	0	18.60	18.38	18.61	
10	64QAM	1	25	18.24	18.35	18.31	19
10	64QAM	1	49	18.47	18.28	18.47	
10	64QAM	25	0	18.38	18.22	18.36	
10	64QAM	25	12	18.25	18.25	18.27	19
10	64QAM	25	25	18.34	18.22	18.29	
10	64QAM	50	0	18.30	18.22	18.33	
10	256QAM	1	0	18.57	18.69	18.52	19
10	256QAM	1	25	18.47	18.39	18.37	
10	256QAM	1	49	18.42	18.38	18.29	
10	256QAM	25	0	18.51	18.38	18.42	19
10	256QAM	25	12	18.35	18.32	18.27	



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10	256QAM	25	25	18.30	18.40	18.27	
10	256QAM	50	0	18.38	18.42	18.30	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	18.23	18.32	18.23	19
5	QPSK	1	12	18.19	18.20	18.19	
5	QPSK	1	24	18.24	18.23	18.22	
5	QPSK	12	0	18.28	18.34	18.32	19
5	QPSK	12	7	18.25	18.25	18.32	
5	QPSK	12	13	18.21	18.23	18.18	
5	QPSK	25	0	18.34	18.23	18.23	
5	16QAM	1	0	18.60	18.51	18.72	
5	16QAM	1	12	18.50	18.42	18.52	19
5	16QAM	1	24	18.37	18.44	18.41	
5	16QAM	12	0	18.29	18.27	18.30	19
5	16QAM	12	7	18.27	18.33	18.35	
5	16QAM	12	13	18.23	18.23	18.29	
5	16QAM	25	0	18.41	18.31	18.36	
5	64QAM	1	0	18.52	18.47	18.59	
5	64QAM	1	12	18.25	18.29	18.42	19
5	64QAM	1	24	18.40	18.29	18.41	
5	64QAM	12	0	18.29	18.32	18.37	19
5	64QAM	12	7	18.38	18.30	18.38	
5	64QAM	12	13	18.19	18.26	18.35	
5	64QAM	25	0	18.28	18.26	18.20	
5	256QAM	1	0	18.59	18.66	18.62	
5	256QAM	1	12	18.38	18.48	18.38	19
5	256QAM	1	24	18.35	18.40	18.27	
5	256QAM	12	0	18.43	18.41	18.38	
5	256QAM	12	7	18.34	18.26	18.30	19
5	256QAM	12	13	18.25	18.35	18.34	
5	256QAM	25	0	18.41	18.40	18.37	
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	18.19	18.24	18.27	19
3	QPSK	1	8	18.19	18.24	18.16	
3	QPSK	1	14	18.26	18.22	18.23	
3	QPSK	8	0	18.34	18.27	18.32	19
3	QPSK	8	4	18.32	18.32	18.26	
3	QPSK	8	7	18.28	18.30	18.26	
3	QPSK	15	0	18.35	18.26	18.27	
3	16QAM	1	0	18.66	18.60	18.72	
3	16QAM	1	8	18.55	18.41	18.51	19
3	16QAM	1	14	18.44	18.44	18.36	
3	16QAM	8	0	18.22	18.37	18.35	
3	16QAM	8	4	18.22	18.28	18.33	19
3	16QAM	8	7	18.34	18.28	18.29	
3	16QAM	15	0	18.32	18.25	18.34	
3	64QAM	1	0	18.61	18.47	18.68	
3	64QAM	1	8	18.30	18.38	18.47	
3	64QAM	1	14	18.40	18.31	18.48	19
3	64QAM	8	0	18.33	18.33	18.42	
3	64QAM	8	4	18.29	18.22	18.29	
3	64QAM	8	7	18.30	18.19	18.29	
3	64QAM	15	0	18.29	18.22	18.24	
3	256QAM	1	0	18.49	18.67	18.59	19
3	256QAM	1	8	18.47	18.34	18.35	
3	256QAM	1	14	18.36	18.35	18.29	
3	256QAM	8	0	18.47	18.37	18.51	19
3	256QAM	8	4	18.40	18.32	18.34	
3	256QAM	8	7	18.34	18.31	18.23	
3	256QAM	15	0	18.41	18.31	18.38	



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Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	18.20	18.26	18.15	19
1.4	QPSK	1	3	18.21	18.12	18.19	
1.4	QPSK	1	5	18.20	18.17	18.22	
1.4	QPSK	3	0	18.22	18.38	18.34	
1.4	QPSK	3	1	18.21	18.31	18.26	
1.4	QPSK	3	3	18.28	18.27	18.22	
1.4	QPSK	6	0	18.34	18.31	18.21	19
1.4	16QAM	1	0	18.62	18.60	18.66	19
1.4	16QAM	1	3	18.60	18.44	18.40	
1.4	16QAM	1	5	18.54	18.42	18.50	
1.4	16QAM	3	0	18.23	18.32	18.39	
1.4	16QAM	3	1	18.33	18.26	18.30	
1.4	16QAM	3	3	18.29	18.20	18.28	
1.4	16QAM	6	0	18.40	18.32	18.30	19
1.4	64QAM	1	0	18.56	18.39	18.64	19
1.4	64QAM	1	3	18.35	18.38	18.40	
1.4	64QAM	1	5	18.41	18.37	18.42	
1.4	64QAM	3	0	18.39	18.31	18.32	
1.4	64QAM	3	1	18.31	18.26	18.31	
1.4	64QAM	3	3	18.34	18.24	18.25	
1.4	64QAM	6	0	18.25	18.20	18.32	19
1.4	256QAM	1	0	18.59	18.64	18.53	19
1.4	256QAM	1	3	18.41	18.42	18.39	
1.4	256QAM	1	5	18.40	18.27	18.20	
1.4	256QAM	3	0	18.55	18.33	18.46	
1.4	256QAM	3	1	18.39	18.27	18.22	
1.4	256QAM	3	3	18.21	18.39	18.26	
1.4	256QAM	6	0	18.38	18.35	18.40	19



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.19	24.33	24.22	25.2
15	QPSK	1	37	24.08	24.08	24.08	
15	QPSK	1	74	24.11	24.08	24.06	
15	QPSK	36	0	23.24	23.25	23.24	24.2
15	QPSK	36	20	23.21	23.19	23.20	
15	QPSK	36	39	23.18	23.17	23.15	
15	QPSK	75	0	23.24	23.27	23.20	
15	16QAM	1	0	23.45	23.52	23.54	24.2
15	16QAM	1	37	23.37	23.43	23.34	
15	16QAM	1	74	23.37	23.30	23.30	
15	16QAM	36	0	22.21	22.21	22.23	23.2
15	16QAM	36	20	22.19	22.18	22.19	
15	16QAM	36	39	22.18	22.14	22.15	
15	16QAM	75	0	22.22	22.26	22.23	
15	64QAM	1	0	22.43	22.36	22.49	23.2
15	64QAM	1	37	22.32	22.28	22.38	
15	64QAM	1	74	22.30	22.26	22.35	
15	64QAM	36	0	21.22	21.23	21.26	22.2
15	64QAM	36	20	21.21	21.18	21.21	
15	64QAM	36	39	21.23	21.17	21.21	
15	64QAM	75	0	21.21	21.24	21.21	
15	256QAM	1	0	19.65	19.66	19.55	20.2
15	256QAM	1	37	19.52	19.51	19.40	
15	256QAM	1	74	19.41	19.43	19.38	
15	256QAM	36	0	19.48	19.43	19.46	20.2
15	256QAM	36	20	19.40	19.39	19.35	
15	256QAM	36	39	19.36	19.38	19.36	
15	256QAM	75	0	19.40	19.39	19.41	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.30	24.32	24.31	25.2
10	QPSK	1	25	24.18	24.19	24.17	
10	QPSK	1	49	24.25	24.21	24.17	
10	QPSK	25	0	23.45	23.41	23.36	24.2
10	QPSK	25	12	23.43	23.39	23.30	
10	QPSK	25	25	23.43	23.36	23.27	
10	QPSK	50	0	23.46	23.39	23.35	
10	16QAM	1	0	23.58	23.68	23.63	24.2
10	16QAM	1	25	23.52	23.64	23.65	
10	16QAM	1	49	23.48	23.54	23.51	
10	16QAM	25	0	22.45	22.42	22.40	23.2
10	16QAM	25	12	22.43	22.38	22.36	
10	16QAM	25	25	22.40	22.38	22.33	
10	16QAM	50	0	22.40	22.34	22.32	
10	64QAM	1	0	22.57	22.52	22.54	23.2
10	64QAM	1	25	22.42	22.47	22.45	
10	64QAM	1	49	22.45	22.47	22.45	
10	64QAM	25	0	21.41	21.41	21.37	22.2
10	64QAM	25	12	21.38	21.39	21.34	
10	64QAM	25	25	21.36	21.36	21.31	
10	64QAM	50	0	21.41	21.35	21.35	
10	256QAM	1	0	19.52	19.54	19.44	20.2
10	256QAM	1	25	19.38	19.40	19.28	
10	256QAM	1	49	19.31	19.31	19.25	
10	256QAM	25	0	19.37	19.29	19.31	20.2
10	256QAM	25	12	19.28	19.26	19.25	



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10	256QAM	25	25	19.23	19.28	19.22	
10	256QAM	50	0	19.27	19.24	19.28	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.32	24.30	24.28	25.2
5	QPSK	1	12	24.32	24.27	24.22	
5	QPSK	1	24	24.31	24.32	24.22	
5	QPSK	12	0	23.45	23.43	23.40	24.2
5	QPSK	12	7	23.46	23.44	23.40	
5	QPSK	12	13	23.45	23.43	23.36	
5	QPSK	25	0	23.48	23.38	23.33	
5	16QAM	1	0	23.64	23.66	23.69	24.2
5	16QAM	1	12	23.56	23.58	23.60	
5	16QAM	1	24	23.55	23.59	23.44	
5	16QAM	12	0	22.43	22.42	22.43	23.2
5	16QAM	12	7	22.43	22.44	22.42	
5	16QAM	12	13	22.41	22.42	22.38	
5	16QAM	25	0	22.46	22.42	22.38	
5	64QAM	1	0	22.60	22.70	22.57	23.2
5	64QAM	1	12	22.49	22.59	22.56	
5	64QAM	1	24	22.55	22.59	22.46	
5	64QAM	12	0	21.44	21.50	21.39	22.2
5	64QAM	12	7	21.42	21.49	21.42	
5	64QAM	12	13	21.40	21.47	21.38	
5	64QAM	25	0	21.43	21.42	21.34	
5	256QAM	1	0	19.50	19.52	19.40	20.2
5	256QAM	1	12	19.40	19.39	19.28	
5	256QAM	1	24	19.30	19.29	19.24	
5	256QAM	12	0	19.38	19.29	19.33	20.2
5	256QAM	12	7	19.26	19.28	19.23	
5	256QAM	12	13	19.21	19.24	19.23	
5	256QAM	25	0	19.30	19.29	19.26	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.32	24.31	24.30	25.2
3	QPSK	1	8	24.28	24.25	24.21	
3	QPSK	1	14	24.29	24.28	24.25	
3	QPSK	8	0	23.35	23.38	23.31	24.2
3	QPSK	8	4	23.37	23.35	23.29	
3	QPSK	8	7	23.38	23.38	23.29	
3	QPSK	15	0	23.36	23.35	23.27	
3	16QAM	1	0	23.71	23.65	23.67	24.2
3	16QAM	1	8	23.50	23.51	23.44	
3	16QAM	1	14	23.64	23.64	23.48	
3	16QAM	8	0	22.35	22.34	22.33	23.2
3	16QAM	8	4	22.36	22.38	22.34	
3	16QAM	8	7	22.36	22.36	22.32	
3	16QAM	15	0	22.35	22.33	22.29	
3	64QAM	1	0	22.59	22.55	22.59	23.2
3	64QAM	1	8	22.54	22.55	22.48	
3	64QAM	1	14	22.62	22.63	22.47	
3	64QAM	8	0	21.39	21.43	21.37	22.2
3	64QAM	8	4	21.35	21.41	21.35	
3	64QAM	8	7	21.41	21.42	21.33	
3	64QAM	15	0	21.36	21.40	21.35	
3	256QAM	1	0	19.52	19.53	19.44	20.2
3	256QAM	1	8	19.39	19.36	19.29	
3	256QAM	1	14	19.30	19.31	19.25	
3	256QAM	8	0	19.34	19.32	19.35	20.2
3	256QAM	8	4	19.29	19.24	19.22	
3	256QAM	8	7	19.25	19.24	19.25	
3	256QAM	15	0	19.29	19.25	19.26	



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Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	24.17	24.19	24.08	25.2
1.4	QPSK	1	3	24.05	24.08	23.95	
1.4	QPSK	1	5	24.17	24.18	24.07	
1.4	QPSK	3	0	24.05	24.06	23.96	
1.4	QPSK	3	1	24.22	24.17	24.09	
1.4	QPSK	3	3	24.17	24.16	24.04	
1.4	QPSK	6	0	23.13	23.14	23.03	24.2
1.4	16QAM	1	0	23.43	23.43	23.30	24.2
1.4	16QAM	1	3	23.25	23.31	23.10	
1.4	16QAM	1	5	23.40	23.45	23.24	
1.4	16QAM	3	0	23.28	23.30	23.16	
1.4	16QAM	3	1	23.21	23.29	23.13	
1.4	16QAM	3	3	23.21	23.24	23.04	
1.4	16QAM	6	0	22.22	22.23	22.14	23.2
1.4	64QAM	1	0	22.31	22.33	22.24	23.2
1.4	64QAM	1	3	22.20	22.23	22.21	
1.4	64QAM	1	5	22.28	22.37	22.26	
1.4	64QAM	3	0	22.21	22.26	22.16	
1.4	64QAM	3	1	22.15	22.27	22.14	
1.4	64QAM	3	3	22.25	22.24	22.15	
1.4	64QAM	6	0	21.14	21.22	21.10	22.2
1.4	256QAM	1	0	19.39	19.22	19.42	20.2
1.4	256QAM	1	3	19.22	19.36	19.29	
1.4	256QAM	1	5	19.32	19.18	19.24	
1.4	256QAM	3	0	19.39	19.32	19.32	
1.4	256QAM	3	1	19.35	19.38	19.36	
1.4	256QAM	3	3	19.32	19.37	19.31	
1.4	256QAM	6	0	19.40	19.34	19.32	20.2



<LTE Band 30_Ant 0_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		24.32		25.2
10	QPSK	1	25		24.27		
10	QPSK	1	49		24.26		
10	QPSK	25	0		21.92		22.7
10	QPSK	25	12		21.91		
10	QPSK	25	25		21.90		
10	QPSK	50	0		21.93		24.2
10	16QAM	1	0		23.64		
10	16QAM	1	25		23.63		
10	16QAM	1	49		23.58		23.2
10	16QAM	25	0		22.40		
10	16QAM	25	12		22.43		
10	16QAM	25	25		22.42		23.2
10	16QAM	50	0		22.41		
10	64QAM	1	0		22.57		
10	64QAM	1	25		22.53		23.2
10	64QAM	1	49		22.46		
10	64QAM	25	0		21.41		
10	64QAM	25	12		21.42		22.2
10	64QAM	25	25		21.42		
10	64QAM	50	0		21.43		
10	256QAM	1	0		19.39		20.2
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.37		
10	256QAM	25	0		18.26		19.2
10	256QAM	25	12		18.25		
10	256QAM	25	25		18.26		
10	256QAM	50	0		18.20		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	24.23	24.30	24.25	25.2
5	QPSK	1	12	24.21	24.25	24.22	
5	QPSK	1	24	24.30	24.30	24.22	
5	QPSK	12	0	21.80	21.82	21.82	22.7
5	QPSK	12	7	21.82	21.83	21.77	
5	QPSK	12	13	21.83	21.83	21.77	
5	QPSK	25	0	21.82	21.82	21.81	24.2
5	16QAM	1	0	23.58	23.56	23.49	
5	16QAM	1	12	23.54	23.58	23.55	
5	16QAM	1	24	23.52	23.52	23.49	23.2
5	16QAM	12	0	22.31	22.29	22.28	
5	16QAM	12	7	22.36	22.34	22.29	
5	16QAM	12	13	22.35	22.31	22.25	23.2
5	16QAM	25	0	22.36	22.35	22.32	
5	64QAM	1	0	22.43	22.41	22.42	
5	64QAM	1	12	22.52	22.43	22.40	23.2
5	64QAM	1	24	22.50	22.41	22.34	
5	64QAM	12	0	21.34	21.37	21.31	
5	64QAM	12	7	21.38	21.34	21.31	22.2
5	64QAM	12	13	21.38	21.29	21.27	
5	64QAM	25	0	21.34	21.31	21.29	
5	256QAM	1	0	19.29	19.33	19.35	20.2
5	256QAM	1	12	19.31	19.37	19.36	
5	256QAM	1	24	19.28	19.35	19.36	
5	256QAM	12	0	18.27	18.33	18.37	19.2
5	256QAM	12	7	18.33	18.42	18.37	
5	256QAM	12	13	18.30	18.33	18.35	
5	256QAM	25	0	18.13	18.15	18.21	



<LTE Band 30_Ant 0_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		24.32		25.1
10	QPSK	1	25		24.27		
10	QPSK	1	49		24.26		
10	QPSK	25	0		21.92		22.7
10	QPSK	25	12		21.91		
10	QPSK	25	25		21.90		
10	QPSK	50	0		21.93		24.2
10	16QAM	1	0		23.64		
10	16QAM	1	25		23.63		
10	16QAM	1	49		23.58		23.2
10	16QAM	25	0		22.40		
10	16QAM	25	12		22.43		
10	16QAM	25	25		22.42		23.2
10	16QAM	50	0		22.41		
10	64QAM	1	0		22.57		
10	64QAM	1	25		22.53		23.2
10	64QAM	1	49		22.46		
10	64QAM	25	0		21.41		
10	64QAM	25	12		21.42		22.2
10	64QAM	25	25		21.42		
10	64QAM	50	0		21.43		
10	256QAM	1	0		19.39		20.2
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.37		
10	256QAM	25	0		18.26		19.2
10	256QAM	25	12		18.25		
10	256QAM	25	25		18.26		
10	256QAM	50	0		18.20		
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	24.23	24.30	24.25	25.1
5	QPSK	1	12	24.21	24.25	24.22	
5	QPSK	1	24	24.30	24.30	24.22	
5	QPSK	12	0	21.80	21.82	21.82	22.7
5	QPSK	12	7	21.82	21.83	21.77	
5	QPSK	12	13	21.83	21.83	21.77	
5	QPSK	25	0	21.82	21.82	21.81	24.2
5	16QAM	1	0	23.58	23.56	23.49	
5	16QAM	1	12	23.54	23.58	23.55	
5	16QAM	1	24	23.52	23.52	23.49	23.2
5	16QAM	12	0	22.31	22.29	22.28	
5	16QAM	12	7	22.36	22.34	22.29	
5	16QAM	12	13	22.35	22.31	22.25	23.2
5	16QAM	25	0	22.36	22.35	22.32	
5	64QAM	1	0	22.43	22.41	22.42	
5	64QAM	1	12	22.52	22.43	22.40	23.2
5	64QAM	1	24	22.50	22.41	22.34	
5	64QAM	12	0	21.34	21.37	21.31	
5	64QAM	12	7	21.38	21.34	21.31	22.2
5	64QAM	12	13	21.38	21.29	21.27	
5	64QAM	25	0	21.34	21.31	21.29	
5	256QAM	1	0	19.29	19.33	19.35	20.2
5	256QAM	1	12	19.31	19.37	19.36	
5	256QAM	1	24	19.28	19.35	19.36	
5	256QAM	12	0	18.27	18.33	18.37	19.2
5	256QAM	12	7	18.33	18.42	18.37	
5	256QAM	12	13	18.30	18.33	18.35	
5	256QAM	25	0	18.13	18.15	18.21	



<LTE Band 30_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		23.57		23.7
10	QPSK	1	25		23.31		
10	QPSK	1	49		23.33		
10	QPSK	25	0		21.82		22.7
10	QPSK	25	12		21.80		
10	QPSK	25	25		21.81		
10	QPSK	50	0		21.84		23.7
10	16QAM	1	0		23.25		
10	16QAM	1	25		23.34		
10	16QAM	1	49		23.26		23.2
10	16QAM	25	0		22.30		
10	16QAM	25	12		22.33		
10	16QAM	25	25		22.35		23.2
10	16QAM	50	0		22.32		
10	64QAM	1	0		22.43		
10	64QAM	1	25		22.45		23.2
10	64QAM	1	49		22.50		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.32		22.2
10	64QAM	25	25		21.28		
10	64QAM	50	0		21.30		
10	256QAM	1	0		19.37		20.2
10	256QAM	1	25		19.29		
10	256QAM	1	49		19.29		
10	256QAM	25	0		18.20		19.2
10	256QAM	25	12		18.21		
10	256QAM	25	25		18.18		
10	256QAM	50	0		18.20		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	23.37	23.34	23.30	23.7
5	QPSK	1	12	23.31	23.21	23.25	
5	QPSK	1	24	23.26	23.28	23.25	
5	QPSK	12	0	21.82	21.73	21.82	22.7
5	QPSK	12	7	21.74	21.74	21.77	
5	QPSK	12	13	21.77	21.77	21.78	
5	QPSK	25	0	21.81	21.82	21.80	23.7
5	16QAM	1	0	23.21	23.16	23.20	
5	16QAM	1	12	23.25	23.26	23.32	
5	16QAM	1	24	23.25	23.25	23.17	23.2
5	16QAM	12	0	22.24	22.26	22.20	
5	16QAM	12	7	22.29	22.26	22.23	
5	16QAM	12	13	22.32	22.26	22.33	23.2
5	16QAM	25	0	22.31	22.25	22.28	
5	64QAM	1	0	22.39	22.34	22.34	
5	64QAM	1	12	22.38	22.43	22.42	23.2
5	64QAM	1	24	22.43	22.49	22.44	
5	64QAM	12	0	21.25	21.19	21.25	
5	64QAM	12	7	21.27	21.26	21.26	22.2
5	64QAM	12	13	21.28	21.25	21.27	
5	64QAM	25	0	21.28	21.25	21.29	
5	256QAM	1	0	19.34	19.27	19.30	20.2
5	256QAM	1	12	19.19	19.21	19.23	
5	256QAM	1	24	19.20	19.27	19.27	
5	256QAM	12	0	18.11	18.14	18.11	19.2
5	256QAM	12	7	18.11	18.19	18.13	
5	256QAM	12	13	18.11	18.17	18.11	
5	256QAM	25	0	18.20	18.10	18.18	



<LTE Band 30_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		23.57		25.2
10	QPSK	1	25		23.31		
10	QPSK	1	49		23.33		
10	QPSK	25	0		21.82		22.7
10	QPSK	25	12		21.80		
10	QPSK	25	25		21.81		
10	QPSK	50	0		21.84		24.2
10	16QAM	1	0		23.25		
10	16QAM	1	25		23.34		
10	16QAM	1	49		23.26		23.2
10	16QAM	25	0		22.30		
10	16QAM	25	12		22.33		
10	16QAM	25	25		22.35		23.2
10	16QAM	50	0		22.32		
10	64QAM	1	0		22.43		
10	64QAM	1	25		22.45		23.2
10	64QAM	1	49		22.50		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.32		22.2
10	64QAM	25	25		21.28		
10	64QAM	50	0		21.30		
10	256QAM	1	0		19.37		20.2
10	256QAM	1	25		19.29		
10	256QAM	1	49		19.29		
10	256QAM	25	0		18.20		19.2
10	256QAM	25	12		18.21		
10	256QAM	25	25		18.18		
10	256QAM	50	0		18.20		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	23.37	23.34	23.30	25.2
5	QPSK	1	12	23.31	23.21	23.25	
5	QPSK	1	24	23.26	23.28	23.25	
5	QPSK	12	0	21.82	21.73	21.82	22.7
5	QPSK	12	7	21.74	21.74	21.77	
5	QPSK	12	13	21.77	21.77	21.78	
5	QPSK	25	0	21.81	21.82	21.80	24.2
5	16QAM	1	0	23.21	23.16	23.20	
5	16QAM	1	12	23.25	23.26	23.32	
5	16QAM	1	24	23.25	23.25	23.17	23.2
5	16QAM	12	0	22.24	22.26	22.20	
5	16QAM	12	7	22.29	22.26	22.23	
5	16QAM	12	13	22.32	22.26	22.33	23.2
5	16QAM	25	0	22.31	22.25	22.28	
5	64QAM	1	0	22.39	22.34	22.34	
5	64QAM	1	12	22.38	22.43	22.42	23.2
5	64QAM	1	24	22.43	22.49	22.44	
5	64QAM	12	0	21.25	21.19	21.25	
5	64QAM	12	7	21.27	21.26	21.26	22.2
5	64QAM	12	13	21.28	21.25	21.27	
5	64QAM	25	0	21.28	21.25	21.29	
5	256QAM	1	0	19.34	19.27	19.30	20.2
5	256QAM	1	12	19.19	19.21	19.23	
5	256QAM	1	24	19.20	19.27	19.27	
5	256QAM	12	0	18.11	18.14	18.11	19.2
5	256QAM	12	7	18.11	18.19	18.13	
5	256QAM	12	13	18.11	18.17	18.11	
5	256QAM	25	0	18.20	18.10	18.18	



<LTE Band 30_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		23.57		24.2
10	QPSK	1	25		23.31		
10	QPSK	1	49		23.33		
10	QPSK	25	0		21.82		22.7
10	QPSK	25	12		21.80		
10	QPSK	25	25		21.81		
10	QPSK	50	0		21.84		24.2
10	16QAM	1	0		23.25		
10	16QAM	1	25		23.34		
10	16QAM	1	49		23.26		23.2
10	16QAM	25	0		22.30		
10	16QAM	25	12		22.33		
10	16QAM	25	25		22.35		23.2
10	16QAM	50	0		22.32		
10	64QAM	1	0		22.43		
10	64QAM	1	25		22.45		23.2
10	64QAM	1	49		22.50		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.32		22.2
10	64QAM	25	25		21.28		
10	64QAM	50	0		21.30		
10	256QAM	1	0		19.37		20.2
10	256QAM	1	25		19.29		
10	256QAM	1	49		19.29		
10	256QAM	25	0		18.20		19.2
10	256QAM	25	12		18.21		
10	256QAM	25	25		18.18		
10	256QAM	50	0		18.20		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	23.37	23.34	23.30	24.2
5	QPSK	1	12	23.31	23.21	23.25	
5	QPSK	1	24	23.26	23.28	23.25	
5	QPSK	12	0	21.82	21.73	21.82	22.7
5	QPSK	12	7	21.74	21.74	21.77	
5	QPSK	12	13	21.77	21.77	21.78	
5	QPSK	25	0	21.81	21.82	21.80	24.2
5	16QAM	1	0	23.21	23.16	23.20	
5	16QAM	1	12	23.25	23.26	23.32	
5	16QAM	1	24	23.25	23.25	23.17	23.2
5	16QAM	12	0	22.24	22.26	22.20	
5	16QAM	12	7	22.29	22.26	22.23	
5	16QAM	12	13	22.32	22.26	22.33	23.2
5	16QAM	25	0	22.31	22.25	22.28	
5	64QAM	1	0	22.39	22.34	22.34	
5	64QAM	1	12	22.38	22.43	22.42	23.2
5	64QAM	1	24	22.43	22.49	22.44	
5	64QAM	12	0	21.25	21.19	21.25	
5	64QAM	12	7	21.27	21.26	21.26	22.2
5	64QAM	12	13	21.28	21.25	21.27	
5	64QAM	25	0	21.28	21.25	21.29	
5	256QAM	1	0	19.34	19.27	19.30	20.2
5	256QAM	1	12	19.19	19.21	19.23	
5	256QAM	1	24	19.20	19.27	19.27	
5	256QAM	12	0	18.11	18.14	18.11	19.2
5	256QAM	12	7	18.11	18.19	18.13	
5	256QAM	12	13	18.11	18.17	18.11	
5	256QAM	25	0	18.20	18.10	18.18	



<LTE Band 30_Ant 2_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		23.30		24
10	QPSK	1	25		23.07		
10	QPSK	1	49		23.16		
10	QPSK	25	0		20.85		21.5
10	QPSK	25	12		20.83		
10	QPSK	25	25		20.84		
10	QPSK	50	0		20.85		23
10	16QAM	1	0		22.61		
10	16QAM	1	25		22.57		
10	16QAM	1	49		22.52		22
10	16QAM	25	0		21.36		
10	16QAM	25	12		21.38		
10	16QAM	25	25		21.37		22
10	16QAM	50	0		21.35		
10	64QAM	1	0		21.51		
10	64QAM	1	25		21.44		22
10	64QAM	1	49		21.45		
10	64QAM	25	0		20.33		
10	64QAM	25	12		20.36		21
10	64QAM	25	25		20.36		
10	64QAM	50	0		20.37		
10	256QAM	1	0		18.49		19
10	256QAM	1	25		18.42		
10	256QAM	1	49		18.33		
10	256QAM	25	0		17.25		18
10	256QAM	25	12		17.24		
10	256QAM	25	25		17.21		
10	256QAM	50	0		17.22		
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	23.28	23.28	23.25	24
5	QPSK	1	12	23.24	23.29	23.25	
5	QPSK	1	24	23.26	23.27	23.23	
5	QPSK	12	0	20.83	20.87	20.81	21.5
5	QPSK	12	7	20.89	20.87	20.82	
5	QPSK	12	13	20.89	20.88	20.80	
5	QPSK	25	0	20.86	20.89	20.81	23
5	16QAM	1	0	22.57	22.64	22.68	
5	16QAM	1	12	22.56	22.63	22.46	
5	16QAM	1	24	22.56	22.55	22.47	22
5	16QAM	12	0	21.40	21.41	21.30	
5	16QAM	12	7	21.42	21.42	21.31	
5	16QAM	12	13	21.42	21.40	21.28	22
5	16QAM	25	0	21.38	21.39	21.32	
5	64QAM	1	0	21.59	21.51	21.48	
5	64QAM	1	12	21.59	21.48	21.56	22
5	64QAM	1	24	21.51	21.51	21.35	
5	64QAM	12	0	20.41	20.41	20.35	
5	64QAM	12	7	20.45	20.43	20.34	21
5	64QAM	12	13	20.45	20.39	20.33	
5	64QAM	25	0	20.37	20.38	20.33	
5	256QAM	1	0	18.29	18.35	18.31	19
5	256QAM	1	12	18.39	18.38	18.22	
5	256QAM	1	24	18.42	18.41	18.24	
5	256QAM	12	0	17.19	17.23	17.22	18
5	256QAM	12	7	17.24	17.25	17.16	
5	256QAM	12	13	17.25	17.26	17.17	
5	256QAM	25	0	17.14	17.18	17.15	



<LTE Band 30_Ant 2_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		23.30		23.9
10	QPSK	1	25		23.07		
10	QPSK	1	49		23.16		
10	QPSK	25	0		20.85		21.5
10	QPSK	25	12		20.83		
10	QPSK	25	25		20.84		
10	QPSK	50	0		20.85		23
10	16QAM	1	0		22.61		
10	16QAM	1	25		22.57		
10	16QAM	1	49		22.52		22
10	16QAM	25	0		21.36		
10	16QAM	25	12		21.38		
10	16QAM	25	25		21.37		22
10	16QAM	50	0		21.35		
10	64QAM	1	0		21.51		
10	64QAM	1	25		21.44		22
10	64QAM	1	49		21.45		
10	64QAM	25	0		20.33		
10	64QAM	25	12		20.36		21
10	64QAM	25	25		20.36		
10	64QAM	50	0		20.37		
10	256QAM	1	0		18.49		19
10	256QAM	1	25		18.42		
10	256QAM	1	49		18.33		
10	256QAM	25	0		17.25		18
10	256QAM	25	12		17.24		
10	256QAM	25	25		17.21		
10	256QAM	50	0		17.22		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	23.28	23.28	23.25	23.9
5	QPSK	1	12	23.24	23.29	23.25	
5	QPSK	1	24	23.26	23.27	23.23	
5	QPSK	12	0	20.83	20.87	20.81	21.5
5	QPSK	12	7	20.89	20.87	20.82	
5	QPSK	12	13	20.89	20.88	20.80	
5	QPSK	25	0	20.86	20.89	20.81	23
5	16QAM	1	0	22.57	22.64	22.68	
5	16QAM	1	12	22.56	22.63	22.46	
5	16QAM	1	24	22.56	22.55	22.47	22
5	16QAM	12	0	21.40	21.41	21.30	
5	16QAM	12	7	21.42	21.42	21.31	
5	16QAM	12	13	21.42	21.40	21.28	22
5	16QAM	25	0	21.38	21.39	21.32	
5	64QAM	1	0	21.59	21.51	21.48	
5	64QAM	1	12	21.59	21.48	21.56	22
5	64QAM	1	24	21.51	21.51	21.35	
5	64QAM	12	0	20.41	20.41	20.35	
5	64QAM	12	7	20.45	20.43	20.34	21
5	64QAM	12	13	20.45	20.39	20.33	
5	64QAM	25	0	20.37	20.38	20.33	
5	256QAM	1	0	18.29	18.35	18.31	19
5	256QAM	1	12	18.39	18.38	18.22	
5	256QAM	1	24	18.42	18.41	18.24	
5	256QAM	12	0	17.19	17.23	17.22	18
5	256QAM	12	7	17.24	17.25	17.16	
5	256QAM	12	13	17.25	17.26	17.17	
5	256QAM	25	0	17.14	17.18	17.15	



<LTE Band 30_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			20.3
Frequency (MHz)				2310			
10	QPSK	1	0		20.29		20.3
10	QPSK	1	25		20.20		
10	QPSK	1	49		20.21		
10	QPSK	25	0		20.25		20.3
10	QPSK	25	12		20.20		
10	QPSK	25	25		20.22		
10	QPSK	50	0		20.21		20.3
10	16QAM	1	0		20.22		
10	16QAM	1	25		20.22		
10	16QAM	1	49		20.27		20.3
10	16QAM	25	0		20.23		
10	16QAM	25	12		20.24		
10	16QAM	25	25		20.22		20.3
10	16QAM	50	0		20.20		
10	64QAM	1	0		20.23		
10	64QAM	1	25		20.22		20.3
10	64QAM	1	49		20.22		
10	64QAM	25	0		20.09		
10	64QAM	25	12		20.08		20.3
10	64QAM	25	25		20.10		
10	64QAM	50	0		20.11		
10	256QAM	1	0		18.41		19
10	256QAM	1	25		18.41		
10	256QAM	1	49		18.33		
10	256QAM	25	0		17.19		18
10	256QAM	25	12		17.22		
10	256QAM	25	25		17.21		
10	256QAM	50	0		17.20		
Channel				27685	27710	27735	20.3
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	20.23	20.25	20.21	20.3
5	QPSK	1	12	20.22	20.27	20.21	
5	QPSK	1	24	20.22	20.26	20.25	
5	QPSK	12	0	20.24	20.24	20.25	20.3
5	QPSK	12	7	20.28	20.26	20.20	
5	QPSK	12	13	20.23	20.22	20.26	
5	QPSK	25	0	20.26	20.23	20.28	20.3
5	16QAM	1	0	20.22	20.20	20.27	
5	16QAM	1	12	20.24	20.26	20.23	
5	16QAM	1	24	20.20	20.24	20.22	20.3
5	16QAM	12	0	20.18	20.23	20.13	
5	16QAM	12	7	20.24	20.14	20.19	
5	16QAM	12	13	20.18	20.21	20.18	20.3
5	16QAM	25	0	20.10	20.15	20.18	
5	64QAM	1	0	20.15	20.19	20.15	
5	64QAM	1	12	20.18	20.15	20.14	20.3
5	64QAM	1	24	20.21	20.18	20.19	
5	64QAM	12	0	19.99	20.01	20.01	
5	64QAM	12	7	20.01	20.02	20.01	20.3
5	64QAM	12	13	20.02	20.03	20.04	
5	64QAM	25	0	20.04	20.04	20.07	
5	256QAM	1	0	18.35	18.35	18.35	19
5	256QAM	1	12	18.31	18.32	18.40	
5	256QAM	1	24	18.31	18.26	18.25	
5	256QAM	12	0	17.17	17.10	17.11	18
5	256QAM	12	7	17.19	17.19	17.14	
5	256QAM	12	13	17.11	17.15	17.12	
5	256QAM	25	0	17.10	17.10	17.17	



<LTE Band 30_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		20.29		21.1
10	QPSK	1	25		20.20		
10	QPSK	1	49		20.21		
10	QPSK	25	0		20.25		21.1
10	QPSK	25	12		20.20		
10	QPSK	25	25		20.22		
10	QPSK	50	0		20.21		21.1
10	16QAM	1	0		20.22		
10	16QAM	1	25		20.22		
10	16QAM	1	49		20.27		21.1
10	16QAM	25	0		20.23		
10	16QAM	25	12		20.24		
10	16QAM	25	25		20.22		21.1
10	16QAM	50	0		20.20		
10	64QAM	1	0		20.23		
10	64QAM	1	25		20.22		21.1
10	64QAM	1	49		20.22		
10	64QAM	25	0		20.09		
10	64QAM	25	12		20.08		21
10	64QAM	25	25		20.10		
10	64QAM	50	0		20.11		
10	256QAM	1	0		18.41		19
10	256QAM	1	25		18.41		
10	256QAM	1	49		18.33		
10	256QAM	25	0		17.19		18
10	256QAM	25	12		17.22		
10	256QAM	25	25		17.21		
10	256QAM	50	0		17.20		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	20.23	20.25	20.21	21.1
5	QPSK	1	12	20.22	20.27	20.21	
5	QPSK	1	24	20.22	20.26	20.25	
5	QPSK	12	0	20.24	20.24	20.25	21.1
5	QPSK	12	7	20.28	20.26	20.20	
5	QPSK	12	13	20.23	20.22	20.26	
5	QPSK	25	0	20.26	20.23	20.28	21.1
5	16QAM	1	0	20.22	20.20	20.27	
5	16QAM	1	12	20.24	20.26	20.23	
5	16QAM	1	24	20.20	20.24	20.22	21.1
5	16QAM	12	0	20.18	20.23	20.13	
5	16QAM	12	7	20.24	20.14	20.19	
5	16QAM	12	13	20.18	20.21	20.18	21.1
5	16QAM	25	0	20.10	20.15	20.18	
5	64QAM	1	0	20.15	20.19	20.15	
5	64QAM	1	12	20.18	20.15	20.14	21.1
5	64QAM	1	24	20.21	20.18	20.19	
5	64QAM	12	0	19.99	20.01	20.01	
5	64QAM	12	7	20.01	20.02	20.01	21
5	64QAM	12	13	20.02	20.03	20.04	
5	64QAM	25	0	20.04	20.04	20.07	
5	256QAM	1	0	18.35	18.35	18.35	19
5	256QAM	1	12	18.31	18.32	18.40	
5	256QAM	1	24	18.31	18.26	18.25	
5	256QAM	12	0	17.17	17.10	17.11	18
5	256QAM	12	7	17.19	17.19	17.14	
5	256QAM	12	13	17.11	17.15	17.12	
5	256QAM	25	0	17.10	17.10	17.17	



<LTE Band 30_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		19.92		20.3
10	QPSK	1	25		19.85		
10	QPSK	1	49		19.88		
10	QPSK	25	0		19.88		20.3
10	QPSK	25	12		19.80		
10	QPSK	25	25		19.80		
10	QPSK	50	0		19.90		20.3
10	16QAM	1	0		19.95		
10	16QAM	1	25		19.94		
10	16QAM	1	49		19.98		20.3
10	16QAM	25	0		19.98		
10	16QAM	25	12		19.94		
10	16QAM	25	25		19.92		20.3
10	16QAM	50	0		19.91		
10	64QAM	1	0		19.98		
10	64QAM	1	25		20.00		20.3
10	64QAM	1	49		19.93		
10	64QAM	25	0		19.85		
10	64QAM	25	12		19.86		20.3
10	64QAM	25	25		19.78		
10	64QAM	50	0		19.88		
10	256QAM	1	0		18.35		19
10	256QAM	1	25		18.35		
10	256QAM	1	49		18.27		
10	256QAM	25	0		17.16		18
10	256QAM	25	12		17.20		
10	256QAM	25	25		17.14		
10	256QAM	50	0		17.10		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.89	19.83	19.82	20.3
5	QPSK	1	12	19.70	19.81	19.76	
5	QPSK	1	24	19.79	19.79	19.80	
5	QPSK	12	0	19.80	19.75	19.76	20.3
5	QPSK	12	7	19.76	19.74	19.81	
5	QPSK	12	13	19.80	19.90	19.81	
5	QPSK	25	0	19.94	19.91	19.95	20.3
5	16QAM	1	0	19.91	19.89	19.93	
5	16QAM	1	12	19.89	19.86	19.85	
5	16QAM	1	24	19.98	20.00	19.90	20.3
5	16QAM	12	0	19.96	19.93	19.81	
5	16QAM	12	7	19.95	19.87	19.97	
5	16QAM	12	13	19.86	19.95	19.87	20.3
5	16QAM	25	0	19.83	19.86	19.90	
5	64QAM	1	0	19.86	19.97	19.83	
5	64QAM	1	12	19.89	19.92	19.85	20.3
5	64QAM	1	24	19.89	19.86	19.96	
5	64QAM	12	0	19.75	19.76	19.74	
5	64QAM	12	7	19.77	19.78	19.73	20.3
5	64QAM	12	13	19.78	19.76	19.78	
5	64QAM	25	0	19.73	19.74	19.77	
5	256QAM	1	0	18.33	18.25	18.33	19
5	256QAM	1	12	18.31	18.27	18.30	
5	256QAM	1	24	18.26	18.23	18.22	
5	256QAM	12	0	17.15	17.05	17.05	18
5	256QAM	12	7	17.13	17.16	17.08	
5	256QAM	12	13	17.07	17.11	17.05	
5	256QAM	25	0	17.05	17.00	17.09	



<LTE Band 38_Ant 0_Index 2/3/5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.32	23.24	23.26	24.5
20	QPSK	1	49	23.25	23.16	23.19	
20	QPSK	1	99	23.31	23.22	23.24	
20	QPSK	50	0	22.35	22.24	22.26	23.5
20	QPSK	50	24	22.33	22.23	22.25	
20	QPSK	50	50	22.33	22.22	22.24	
20	QPSK	100	0	22.32	22.22	22.21	23.5
20	16QAM	1	0	22.40	22.37	22.38	
20	16QAM	1	49	22.34	22.28	22.25	
20	16QAM	1	99	22.42	22.34	22.30	22.5
20	16QAM	50	0	21.34	21.23	21.21	
20	16QAM	50	24	21.32	21.22	21.21	
20	16QAM	50	50	21.32	21.23	21.18	22.5
20	16QAM	100	0	21.35	21.25	21.23	
20	64QAM	1	0	21.20	21.11	21.19	
20	64QAM	1	49	21.22	21.07	21.06	22.5
20	64QAM	1	99	21.20	21.12	21.06	
20	64QAM	50	0	20.34	20.24	20.21	
20	64QAM	50	24	20.34	20.23	20.23	21.5
20	64QAM	50	50	20.33	20.22	20.23	
20	64QAM	100	0	20.32	20.21	20.21	
20	256QAM	1	0	18.07	18.05	17.93	19.5
20	256QAM	1	49	17.89	17.83	17.76	
20	256QAM	1	99	17.93	17.80	17.70	
20	256QAM	50	0	18.16	18.06	18.08	19.5
20	256QAM	50	24	18.13	18.02	18.02	
20	256QAM	50	50	18.09	17.97	17.95	
20	256QAM	100	0	18.05	17.95	17.93	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.22	23.22	23.17	24.5
15	QPSK	1	37	23.15	23.07	23.04	
15	QPSK	1	74	23.28	23.21	23.18	
15	QPSK	36	0	22.28	22.19	22.19	23.5
15	QPSK	36	20	22.28	22.19	22.18	
15	QPSK	36	39	22.29	22.19	22.20	
15	QPSK	75	0	22.28	22.19	22.17	23.5
15	16QAM	1	0	22.32	22.36	22.29	
15	16QAM	1	37	22.25	22.42	22.20	
15	16QAM	1	74	22.47	22.37	22.22	22.5
15	16QAM	36	0	21.31	21.19	21.18	
15	16QAM	36	20	21.30	21.18	21.16	
15	16QAM	36	39	21.29	21.19	21.17	22.5
15	16QAM	75	0	21.32	21.21	21.19	
15	64QAM	1	0	21.27	21.07	21.06	
15	64QAM	1	37	21.22	21.14	21.01	22.5
15	64QAM	1	74	21.22	21.03	21.02	
15	64QAM	36	0	20.31	20.19	20.21	
15	64QAM	36	20	20.31	20.19	20.18	21.5
15	64QAM	36	39	20.31	20.18	20.19	
15	64QAM	75	0	20.29	20.16	20.17	
15	256QAM	1	0	18.03	17.96	17.85	19.5
15	256QAM	1	37	17.85	17.78	17.72	
15	256QAM	1	74	17.70	17.71	17.61	
15	256QAM	36	0	17.97	18.05	17.99	19.5
15	256QAM	36	20	18.08	18.02	17.96	
15	256QAM	36	39	18.09	18.00	18.02	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	18.00	17.97	18.04	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.22	23.14	23.17	24.5
10	QPSK	1	25	23.15	23.03	23.07	
10	QPSK	1	49	23.21	23.12	23.16	
10	QPSK	25	0	22.26	22.17	22.18	23.5
10	QPSK	25	12	22.25	22.16	22.16	
10	QPSK	25	25	22.26	22.16	22.19	
10	QPSK	50	0	22.26	22.19	22.18	
10	16QAM	1	0	22.47	22.29	22.38	23.5
10	16QAM	1	25	22.45	22.23	22.33	
10	16QAM	1	49	22.42	22.26	22.31	
10	16QAM	25	0	21.33	21.24	21.25	22.5
10	16QAM	25	12	21.31	21.24	21.21	
10	16QAM	25	25	21.32	21.21	21.23	
10	16QAM	50	0	21.29	21.16	21.16	
10	64QAM	1	0	21.12	21.04	21.10	22.5
10	64QAM	1	25	21.03	21.02	20.97	
10	64QAM	1	49	21.12	21.03	21.04	
10	64QAM	25	0	20.26	20.17	20.18	21.5
10	64QAM	25	12	20.27	20.15	20.21	
10	64QAM	25	25	20.29	20.16	20.17	
10	64QAM	50	0	20.25	20.15	20.16	
10	256QAM	1	0	17.96	17.97	17.91	19.5
10	256QAM	1	25	17.82	17.79	17.74	
10	256QAM	1	49	17.79	17.76	17.84	
10	256QAM	25	0	17.94	18.01	17.96	19.5
10	256QAM	25	12	18.04	17.99	18.03	
10	256QAM	25	25	18.01	17.97	18.05	
10	256QAM	50	0	17.98	18.00	18.01	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.25	23.09	23.14	24.5
5	QPSK	1	12	23.27	23.16	23.24	
5	QPSK	1	24	23.30	23.14	23.18	
5	QPSK	12	0	22.31	22.15	22.20	23.5
5	QPSK	12	7	22.35	22.15	22.19	
5	QPSK	12	13	22.31	22.16	22.19	
5	QPSK	25	0	22.30	22.15	22.16	
5	16QAM	1	0	22.36	22.28	22.18	23.5
5	16QAM	1	12	22.39	22.17	22.30	
5	16QAM	1	24	22.34	22.22	22.20	
5	16QAM	12	0	21.27	21.11	21.13	22.5
5	16QAM	12	7	21.33	21.12	21.14	
5	16QAM	12	13	21.30	21.10	21.11	
5	16QAM	25	0	21.34	21.23	21.21	
5	64QAM	1	0	21.25	21.09	21.05	22.5
5	64QAM	1	12	21.21	21.05	21.05	
5	64QAM	1	24	21.32	21.05	21.00	
5	64QAM	12	0	20.30	20.16	20.18	21.5
5	64QAM	12	7	20.28	20.13	20.18	
5	64QAM	12	13	20.30	20.13	20.16	
5	64QAM	25	0	20.29	20.16	20.18	
5	256QAM	1	0	18.06	17.88	17.83	19.5
5	256QAM	1	12	17.99	17.76	17.72	
5	256QAM	1	24	17.88	17.77	17.79	
5	256QAM	12	0	18.17	18.03	18.03	19.5
5	256QAM	12	7	18.28	18.00	18.04	
5	256QAM	12	13	18.28	17.99	17.98	
5	256QAM	25	0	18.22	17.99	18.02	



<LTE Band 38_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.04	21.92	21.93	23.3
20	QPSK	1	49	21.99	21.86	21.85	
20	QPSK	1	99	22.00	21.89	21.88	
20	QPSK	50	0	22.01	21.89	21.83	23.3
20	QPSK	50	24	22.00	21.89	21.85	
20	QPSK	50	50	22.00	21.88	21.86	
20	QPSK	100	0	22.02	21.91	21.87	23.3
20	16QAM	1	0	22.06	22.03	21.92	
20	16QAM	1	49	21.91	21.98	21.91	
20	16QAM	1	99	22.01	21.96	21.94	22.5
20	16QAM	50	0	21.34	21.19	21.16	
20	16QAM	50	24	21.34	21.19	21.16	
20	16QAM	50	50	21.31	21.19	21.15	22.5
20	16QAM	100	0	21.34	21.23	21.20	
20	64QAM	1	0	21.09	21.07	21.16	
20	64QAM	1	49	21.04	21.00	21.11	22.5
20	64QAM	1	99	21.06	21.04	21.12	
20	64QAM	50	0	20.33	20.21	20.18	
20	64QAM	50	24	20.33	20.23	20.19	21.5
20	64QAM	50	50	20.31	20.19	20.18	
20	64QAM	100	0	20.32	20.20	20.18	
20	256QAM	1	0	17.97	17.97	17.88	19.5
20	256QAM	1	49	17.84	17.82	17.72	
20	256QAM	1	99	17.87	17.72	17.69	
20	256QAM	50	0	18.07	18.01	18.00	19.5
20	256QAM	50	24	18.06	17.92	17.94	
20	256QAM	50	50	18.08	17.87	17.94	
20	256QAM	100	0	18.04	17.93	17.93	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.01	21.82	21.89	23.3
15	QPSK	1	37	21.97	21.83	21.85	
15	QPSK	1	74	21.94	21.83	21.82	
15	QPSK	36	0	21.91	21.86	21.77	23.3
15	QPSK	36	20	21.96	21.86	21.84	
15	QPSK	36	39	21.99	21.83	21.79	
15	QPSK	75	0	22.00	21.90	21.81	23.3
15	16QAM	1	0	21.97	22.02	21.87	
15	16QAM	1	37	21.87	21.91	21.91	
15	16QAM	1	74	21.99	21.86	21.93	22.5
15	16QAM	36	0	21.26	21.16	21.15	
15	16QAM	36	20	21.29	21.19	21.09	
15	16QAM	36	39	21.24	21.17	21.09	22.5
15	16QAM	75	0	21.25	21.21	21.18	
15	64QAM	1	0	21.04	21.06	21.13	
15	64QAM	1	37	20.96	20.95	21.11	22.5
15	64QAM	1	74	20.96	20.97	21.09	
15	64QAM	36	0	20.23	20.15	20.10	
15	64QAM	36	20	20.33	20.17	20.17	21.5
15	64QAM	36	39	20.30	20.18	20.10	
15	64QAM	75	0	20.32	20.17	20.14	
15	256QAM	1	0	17.96	17.93	17.81	19.5
15	256QAM	1	37	17.83	17.73	17.69	
15	256QAM	1	74	17.87	17.67	17.67	
15	256QAM	36	0	18.06	18.00	17.90	19.5
15	256QAM	36	20	17.98	17.87	17.92	
15	256QAM	36	39	17.98	17.82	17.90	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	18.03	17.83	17.84	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.00	21.92	21.87	23.3
10	QPSK	1	25	21.93	21.76	21.78	
10	QPSK	1	49	21.98	21.82	21.87	
10	QPSK	25	0	21.95	21.81	21.80	23.3
10	QPSK	25	12	21.95	21.86	21.76	
10	QPSK	25	25	21.93	21.79	21.86	
10	QPSK	50	0	22.01	21.86	21.78	
10	16QAM	1	0	21.99	21.98	21.83	23.3
10	16QAM	1	25	21.86	21.98	21.89	
10	16QAM	1	49	21.95	21.86	21.88	
10	16QAM	25	0	21.28	21.18	21.07	22.5
10	16QAM	25	12	21.34	21.12	21.10	
10	16QAM	25	25	21.30	21.18	21.10	
10	16QAM	50	0	21.29	21.20	21.11	
10	64QAM	1	0	21.06	21.06	21.10	22.5
10	64QAM	1	25	20.95	20.93	21.06	
10	64QAM	1	49	21.05	20.97	21.11	
10	64QAM	25	0	20.23	20.11	20.09	21.5
10	64QAM	25	12	20.29	20.21	20.18	
10	64QAM	25	25	20.21	20.09	20.17	
10	64QAM	50	0	20.26	20.17	20.12	
10	256QAM	1	0	17.93	17.95	17.88	19.5
10	256QAM	1	25	17.80	17.73	17.71	
10	256QAM	1	49	17.86	17.71	17.60	
10	256QAM	25	0	18.00	18.00	17.95	19.5
10	256QAM	25	12	17.99	17.83	17.90	
10	256QAM	25	25	17.98	17.87	17.93	
10	256QAM	50	0	17.95	17.90	17.88	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.04	21.85	21.92	23.3
5	QPSK	1	12	21.93	21.79	21.78	
5	QPSK	1	24	21.91	21.89	21.79	
5	QPSK	12	0	22.00	21.81	21.83	23.3
5	QPSK	12	7	21.97	21.80	21.82	
5	QPSK	12	13	21.93	21.79	21.80	
5	QPSK	25	0	21.96	21.90	21.82	
5	16QAM	1	0	21.98	22.01	21.87	23.3
5	16QAM	1	12	21.89	21.92	21.90	
5	16QAM	1	24	22.01	21.86	21.86	
5	16QAM	12	0	21.27	21.19	21.08	22.5
5	16QAM	12	7	21.27	21.17	21.09	
5	16QAM	12	13	21.25	21.09	21.14	
5	16QAM	25	0	21.32	21.14	21.19	
5	64QAM	1	0	21.07	21.07	21.16	22.5
5	64QAM	1	12	21.00	20.98	21.06	
5	64QAM	1	24	20.96	21.04	21.10	
5	64QAM	12	0	20.31	20.12	20.17	21.5
5	64QAM	12	7	20.24	20.17	20.17	
5	64QAM	12	13	20.24	20.18	20.14	
5	64QAM	25	0	20.24	20.13	20.11	
5	256QAM	1	0	17.94	17.96	17.88	19.5
5	256QAM	1	12	17.80	17.75	17.62	
5	256QAM	1	24	17.79	17.64	17.62	
5	256QAM	12	0	17.98	18.01	17.95	19.5
5	256QAM	12	7	18.01	17.91	17.84	
5	256QAM	12	13	18.02	17.78	17.94	
5	256QAM	25	0	17.96	17.85	17.86	



<LTE Band 38_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.32	23.24	23.26	24.2
20	QPSK	1	49	23.25	23.16	23.19	
20	QPSK	1	99	23.31	23.22	23.24	
20	QPSK	50	0	22.35	22.24	22.26	23.5
20	QPSK	50	24	22.33	22.23	22.25	
20	QPSK	50	50	22.33	22.22	22.24	
20	QPSK	100	0	22.32	22.22	22.21	23.5
20	16QAM	1	0	22.40	22.37	22.38	
20	16QAM	1	49	22.34	22.28	22.25	
20	16QAM	1	99	22.42	22.34	22.30	22.5
20	16QAM	50	0	21.34	21.23	21.21	
20	16QAM	50	24	21.32	21.22	21.21	
20	16QAM	50	50	21.32	21.23	21.18	22.5
20	16QAM	100	0	21.35	21.25	21.23	
20	64QAM	1	0	21.20	21.11	21.19	
20	64QAM	1	49	21.22	21.07	21.06	22.5
20	64QAM	1	99	21.20	21.12	21.06	
20	64QAM	50	0	20.34	20.24	20.21	
20	64QAM	50	24	20.34	20.23	20.23	21.5
20	64QAM	50	50	20.33	20.22	20.23	
20	64QAM	100	0	20.32	20.21	20.21	
20	256QAM	1	0	18.07	18.05	17.93	19.5
20	256QAM	1	49	17.89	17.83	17.76	
20	256QAM	1	99	17.93	17.80	17.70	
20	256QAM	50	0	18.16	18.06	18.08	19.5
20	256QAM	50	24	18.13	18.02	18.02	
20	256QAM	50	50	18.09	17.97	17.95	
20	256QAM	100	0	18.05	17.95	17.93	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.22	23.22	23.17	24.2
15	QPSK	1	37	23.15	23.07	23.04	
15	QPSK	1	74	23.28	23.21	23.18	
15	QPSK	36	0	22.28	22.19	22.19	23.5
15	QPSK	36	20	22.28	22.19	22.18	
15	QPSK	36	39	22.29	22.19	22.20	
15	QPSK	75	0	22.28	22.19	22.17	23.5
15	16QAM	1	0	22.32	22.36	22.29	
15	16QAM	1	37	22.25	22.42	22.20	
15	16QAM	1	74	22.47	22.37	22.22	22.5
15	16QAM	36	0	21.31	21.19	21.18	
15	16QAM	36	20	21.30	21.18	21.16	
15	16QAM	36	39	21.29	21.19	21.17	22.5
15	16QAM	75	0	21.32	21.21	21.19	
15	64QAM	1	0	21.27	21.07	21.06	
15	64QAM	1	37	21.22	21.14	21.01	22.5
15	64QAM	1	74	21.22	21.03	21.02	
15	64QAM	36	0	20.31	20.19	20.21	
15	64QAM	36	20	20.31	20.19	20.18	21.5
15	64QAM	36	39	20.31	20.18	20.19	
15	64QAM	75	0	20.29	20.16	20.17	
15	256QAM	1	0	18.03	17.96	17.85	19.5
15	256QAM	1	37	17.85	17.78	17.72	
15	256QAM	1	74	17.70	17.71	17.61	
15	256QAM	36	0	17.97	18.05	17.99	19.5
15	256QAM	36	20	18.08	18.02	17.96	
15	256QAM	36	39	18.09	18.00	18.02	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	18.00	17.97	18.04	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.22	23.14	23.17	24.2
10	QPSK	1	25	23.15	23.03	23.07	
10	QPSK	1	49	23.21	23.12	23.16	
10	QPSK	25	0	22.26	22.17	22.18	23.5
10	QPSK	25	12	22.25	22.16	22.16	
10	QPSK	25	25	22.26	22.16	22.19	
10	QPSK	50	0	22.26	22.19	22.18	
10	16QAM	1	0	22.47	22.29	22.38	23.5
10	16QAM	1	25	22.45	22.23	22.33	
10	16QAM	1	49	22.42	22.26	22.31	
10	16QAM	25	0	21.33	21.24	21.25	22.5
10	16QAM	25	12	21.31	21.24	21.21	
10	16QAM	25	25	21.32	21.21	21.23	
10	16QAM	50	0	21.29	21.16	21.16	
10	64QAM	1	0	21.12	21.04	21.10	22.5
10	64QAM	1	25	21.03	21.02	20.97	
10	64QAM	1	49	21.12	21.03	21.04	
10	64QAM	25	0	20.26	20.17	20.18	21.5
10	64QAM	25	12	20.27	20.15	20.21	
10	64QAM	25	25	20.29	20.16	20.17	
10	64QAM	50	0	20.25	20.15	20.16	
10	256QAM	1	0	17.96	17.97	17.91	19.5
10	256QAM	1	25	17.82	17.79	17.74	
10	256QAM	1	49	17.79	17.76	17.84	
10	256QAM	25	0	17.94	18.01	17.96	19.5
10	256QAM	25	12	18.04	17.99	18.03	
10	256QAM	25	25	18.01	17.97	18.05	
10	256QAM	50	0	17.98	18.00	18.01	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.25	23.09	23.14	24.2
5	QPSK	1	12	23.27	23.16	23.24	
5	QPSK	1	24	23.30	23.14	23.18	
5	QPSK	12	0	22.31	22.15	22.20	23.5
5	QPSK	12	7	22.35	22.15	22.19	
5	QPSK	12	13	22.31	22.16	22.19	
5	QPSK	25	0	22.30	22.15	22.16	
5	16QAM	1	0	22.36	22.28	22.18	23.5
5	16QAM	1	12	22.39	22.17	22.30	
5	16QAM	1	24	22.34	22.22	22.20	
5	16QAM	12	0	21.27	21.11	21.13	22.5
5	16QAM	12	7	21.33	21.12	21.14	
5	16QAM	12	13	21.30	21.10	21.11	
5	16QAM	25	0	21.34	21.23	21.21	
5	64QAM	1	0	21.25	21.09	21.05	22.5
5	64QAM	1	12	21.21	21.05	21.05	
5	64QAM	1	24	21.32	21.05	21.00	
5	64QAM	12	0	20.30	20.16	20.18	
5	64QAM	12	7	20.28	20.13	20.18	21.5
5	64QAM	12	13	20.30	20.13	20.16	
5	64QAM	25	0	20.29	20.16	20.18	
5	256QAM	1	0	18.06	17.88	17.83	
5	256QAM	1	12	17.99	17.76	17.72	19.5
5	256QAM	1	24	17.88	17.77	17.79	
5	256QAM	12	0	18.17	18.03	18.03	
5	256QAM	12	7	18.28	18.00	18.04	19.5
5	256QAM	12	13	18.28	17.99	17.98	
5	256QAM	25	0	18.22	17.99	18.02	



<LTE Band 38_Ant 2_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.08	23.07	23.05	
20	QPSK	1	49	23.00	23.00	23.01	
20	QPSK	1	99	23.04	23.05	23.01	
20	QPSK	50	0	22.95	22.97	22.94	24
20	QPSK	50	24	22.94	22.98	22.95	
20	QPSK	50	50	22.96	22.97	22.95	
20	QPSK	100	0	22.97	22.98	22.93	24
20	16QAM	1	0	23.06	23.03	22.97	
20	16QAM	1	49	22.95	22.92	22.89	
20	16QAM	1	99	22.96	22.94	22.91	23
20	16QAM	50	0	21.94	21.95	21.92	
20	16QAM	50	24	21.93	21.97	21.92	
20	16QAM	50	50	21.94	21.95	21.92	23
20	16QAM	100	0	21.97	21.98	21.97	
20	64QAM	1	0	21.92	21.85	21.85	
20	64QAM	1	49	21.85	21.77	21.82	22
20	64QAM	1	99	21.88	21.84	21.80	
20	64QAM	50	0	20.94	20.96	20.93	
20	64QAM	50	24	20.95	20.98	20.93	20
20	64QAM	50	50	20.94	20.95	20.92	
20	64QAM	100	0	20.92	20.95	20.94	
20	256QAM	1	0	18.86	18.92	18.78	20
20	256QAM	1	49	18.73	18.62	18.45	
20	256QAM	1	99	18.76	18.57	18.53	
20	256QAM	50	0	18.95	18.96	18.91	20
20	256QAM	50	24	18.92	18.97	18.88	
20	256QAM	50	50	18.89	18.88	18.82	
20	256QAM	100	0	18.89	18.87	18.85	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.00	23.01	23.01	
15	QPSK	1	37	22.95	22.91	22.91	
15	QPSK	1	74	22.98	22.96	23.00	
15	QPSK	36	0	22.93	22.87	22.84	24
15	QPSK	36	20	22.86	22.91	22.86	
15	QPSK	36	39	22.90	22.87	22.90	
15	QPSK	75	0	22.97	22.98	22.91	24
15	16QAM	1	0	23.06	22.97	22.94	
15	16QAM	1	37	22.87	22.84	22.81	
15	16QAM	1	74	22.86	22.94	22.89	23
15	16QAM	36	0	21.92	21.91	21.91	
15	16QAM	36	20	21.89	21.89	21.91	
15	16QAM	36	39	21.91	21.89	21.82	23
15	16QAM	75	0	21.97	21.97	21.87	
15	64QAM	1	0	21.84	21.84	21.83	
15	64QAM	1	37	21.83	21.77	21.82	22
15	64QAM	1	74	21.85	21.75	21.77	
15	64QAM	36	0	20.84	20.88	20.88	
15	64QAM	36	20	20.86	20.90	20.91	20
15	64QAM	36	39	20.91	20.94	20.84	
15	64QAM	75	0	20.84	20.87	20.94	
15	256QAM	1	0	18.86	18.84	18.69	20
15	256QAM	1	37	18.71	18.56	18.38	
15	256QAM	1	74	18.74	18.51	18.43	
15	256QAM	36	0	18.91	18.88	18.84	20
15	256QAM	36	20	18.87	18.91	18.78	
15	256QAM	36	39	18.87	18.80	18.74	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	18.81	18.77	18.84	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.06	22.97	23.05	25
10	QPSK	1	25	22.97	22.99	22.91	
10	QPSK	1	49	23.01	23.05	22.97	
10	QPSK	25	0	22.94	22.93	22.85	24
10	QPSK	25	12	22.85	22.90	22.89	
10	QPSK	25	25	22.86	22.94	22.94	
10	QPSK	50	0	22.96	22.88	22.86	24
10	16QAM	1	0	22.96	22.96	22.93	
10	16QAM	1	25	22.86	22.86	22.84	
10	16QAM	1	49	22.86	22.90	22.90	23
10	16QAM	25	0	21.85	21.93	21.90	
10	16QAM	25	12	21.92	21.89	21.88	
10	16QAM	25	25	21.84	21.95	21.92	23
10	16QAM	50	0	21.88	21.95	21.91	
10	64QAM	1	0	21.90	21.82	21.82	
10	64QAM	1	25	21.78	21.71	21.75	23
10	64QAM	1	49	21.82	21.84	21.71	
10	64QAM	25	0	20.90	20.95	20.92	
10	64QAM	25	12	20.88	20.90	20.85	22
10	64QAM	25	25	20.94	20.89	20.87	
10	64QAM	50	0	20.83	20.88	20.86	
10	256QAM	1	0	18.81	18.83	18.71	20
10	256QAM	1	25	18.66	18.62	18.43	
10	256QAM	1	49	18.74	18.55	18.51	
10	256QAM	25	0	18.87	18.90	18.82	20
10	256QAM	25	12	18.86	18.88	18.79	
10	256QAM	25	25	18.80	18.82	18.75	
10	256QAM	50	0	18.79	18.84	18.77	20
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.01	23.04	22.95	25
5	QPSK	1	12	22.91	22.92	22.97	
5	QPSK	1	24	22.94	23.03	23.00	
5	QPSK	12	0	22.93	22.97	22.91	24
5	QPSK	12	7	22.94	22.89	22.91	
5	QPSK	12	13	22.94	22.94	22.87	
5	QPSK	25	0	22.95	22.89	22.85	24
5	16QAM	1	0	23.03	23.01	22.90	
5	16QAM	1	12	22.90	22.86	22.85	
5	16QAM	1	24	22.91	22.86	22.83	23
5	16QAM	12	0	21.84	21.92	21.87	
5	16QAM	12	7	21.88	21.87	21.82	
5	16QAM	12	13	21.88	21.92	21.91	23
5	16QAM	25	0	21.96	21.91	21.90	
5	64QAM	1	0	21.92	21.85	21.79	
5	64QAM	1	12	21.77	21.74	21.76	23
5	64QAM	1	24	21.79	21.77	21.80	
5	64QAM	12	0	20.85	20.89	20.83	
5	64QAM	12	7	20.88	20.89	20.89	22
5	64QAM	12	13	20.91	20.87	20.84	
5	64QAM	25	0	20.86	20.86	20.89	
5	256QAM	1	0	18.85	18.87	18.69	20
5	256QAM	1	12	18.71	18.59	18.40	
5	256QAM	1	24	18.69	18.53	18.51	
5	256QAM	12	0	18.95	18.95	18.83	20
5	256QAM	12	7	18.88	18.88	18.78	
5	256QAM	12	13	18.80	18.83	18.81	
5	256QAM	25	0	18.79	18.86	18.83	



<LTE Band 38_Ant 2_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.08	23.07	23.05	
20	QPSK	1	49	23.00	23.00	23.01	
20	QPSK	1	99	23.04	23.05	23.01	
20	QPSK	50	0	22.95	22.97	22.94	23.1
20	QPSK	50	24	22.94	22.98	22.95	
20	QPSK	50	50	22.96	22.97	22.95	
20	QPSK	100	0	22.97	22.98	22.93	23.1
20	16QAM	1	0	23.06	23.03	22.97	
20	16QAM	1	49	22.95	22.92	22.89	
20	16QAM	1	99	22.96	22.94	22.91	23
20	16QAM	50	0	21.94	21.95	21.92	
20	16QAM	50	24	21.93	21.97	21.92	
20	16QAM	50	50	21.94	21.95	21.92	23
20	16QAM	100	0	21.97	21.98	21.97	
20	64QAM	1	0	21.92	21.85	21.85	
20	64QAM	1	49	21.85	21.77	21.82	22
20	64QAM	1	99	21.88	21.84	21.80	
20	64QAM	50	0	20.94	20.96	20.93	
20	64QAM	50	24	20.95	20.98	20.93	20
20	64QAM	50	50	20.94	20.95	20.92	
20	64QAM	100	0	20.92	20.95	20.94	
20	256QAM	1	0	18.86	18.92	18.78	20
20	256QAM	1	49	18.73	18.62	18.45	
20	256QAM	1	99	18.76	18.57	18.53	
20	256QAM	50	0	18.95	18.96	18.91	20
20	256QAM	50	24	18.92	18.97	18.88	
20	256QAM	50	50	18.89	18.88	18.82	
20	256QAM	100	0	18.89	18.87	18.85	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.00	23.01	23.01	
15	QPSK	1	37	22.95	22.91	22.91	
15	QPSK	1	74	22.98	22.96	23.00	
15	QPSK	36	0	22.93	22.87	22.84	23.1
15	QPSK	36	20	22.86	22.91	22.86	
15	QPSK	36	39	22.90	22.87	22.90	
15	QPSK	75	0	22.97	22.98	22.91	23.1
15	16QAM	1	0	23.06	22.97	22.94	
15	16QAM	1	37	22.87	22.84	22.81	
15	16QAM	1	74	22.86	22.94	22.89	23
15	16QAM	36	0	21.92	21.91	21.91	
15	16QAM	36	20	21.89	21.89	21.91	
15	16QAM	36	39	21.91	21.89	21.82	23
15	16QAM	75	0	21.97	21.97	21.87	
15	64QAM	1	0	21.84	21.84	21.83	
15	64QAM	1	37	21.83	21.77	21.82	22
15	64QAM	1	74	21.85	21.75	21.77	
15	64QAM	36	0	20.84	20.88	20.88	
15	64QAM	36	20	20.86	20.90	20.91	20
15	64QAM	36	39	20.91	20.94	20.84	
15	64QAM	75	0	20.84	20.87	20.94	
15	256QAM	1	0	18.86	18.84	18.69	20
15	256QAM	1	37	18.71	18.56	18.38	
15	256QAM	1	74	18.74	18.51	18.43	
15	256QAM	36	0	18.91	18.88	18.84	20
15	256QAM	36	20	18.87	18.91	18.78	
15	256QAM	36	39	18.87	18.80	18.74	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	18.81	18.77	18.84	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.06	22.97	23.05	23.1
10	QPSK	1	25	22.97	22.99	22.91	
10	QPSK	1	49	23.01	23.05	22.97	
10	QPSK	25	0	22.94	22.93	22.85	23.1
10	QPSK	25	12	22.85	22.90	22.89	
10	QPSK	25	25	22.86	22.94	22.94	
10	QPSK	50	0	22.96	22.88	22.86	
10	16QAM	1	0	22.96	22.96	22.93	23.1
10	16QAM	1	25	22.86	22.86	22.84	
10	16QAM	1	49	22.86	22.90	22.90	
10	16QAM	25	0	21.85	21.93	21.90	23
10	16QAM	25	12	21.92	21.89	21.88	
10	16QAM	25	25	21.84	21.95	21.92	
10	16QAM	50	0	21.88	21.95	21.91	
10	64QAM	1	0	21.90	21.82	21.82	23
10	64QAM	1	25	21.78	21.71	21.75	
10	64QAM	1	49	21.82	21.84	21.71	
10	64QAM	25	0	20.90	20.95	20.92	22
10	64QAM	25	12	20.88	20.90	20.85	
10	64QAM	25	25	20.94	20.89	20.87	
10	64QAM	50	0	20.83	20.88	20.86	
10	256QAM	1	0	18.81	18.83	18.71	20
10	256QAM	1	25	18.66	18.62	18.43	
10	256QAM	1	49	18.74	18.55	18.51	
10	256QAM	25	0	18.87	18.90	18.82	20
10	256QAM	25	12	18.86	18.88	18.79	
10	256QAM	25	25	18.80	18.82	18.75	
10	256QAM	50	0	18.79	18.84	18.77	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.01	23.04	22.95	23.1
5	QPSK	1	12	22.91	22.92	22.97	
5	QPSK	1	24	22.94	23.03	23.00	
5	QPSK	12	0	22.93	22.97	22.91	23.1
5	QPSK	12	7	22.94	22.89	22.91	
5	QPSK	12	13	22.94	22.94	22.87	
5	QPSK	25	0	22.95	22.89	22.85	23.1
5	16QAM	1	0	23.03	23.01	22.90	
5	16QAM	1	12	22.90	22.86	22.85	
5	16QAM	1	24	22.91	22.86	22.83	
5	16QAM	12	0	21.84	21.92	21.87	23
5	16QAM	12	7	21.88	21.87	21.82	
5	16QAM	12	13	21.88	21.92	21.91	
5	16QAM	25	0	21.96	21.91	21.90	23
5	64QAM	1	0	21.92	21.85	21.79	
5	64QAM	1	12	21.77	21.74	21.76	
5	64QAM	1	24	21.79	21.77	21.80	
5	64QAM	12	0	20.85	20.89	20.83	22
5	64QAM	12	7	20.88	20.89	20.89	
5	64QAM	12	13	20.91	20.87	20.84	
5	64QAM	25	0	20.86	20.86	20.89	
5	256QAM	1	0	18.85	18.87	18.69	20
5	256QAM	1	12	18.71	18.59	18.40	
5	256QAM	1	24	18.69	18.53	18.51	
5	256QAM	12	0	18.95	18.95	18.83	20
5	256QAM	12	7	18.88	18.88	18.78	
5	256QAM	12	13	18.80	18.83	18.81	
5	256QAM	25	0	18.79	18.86	18.83	



<LTE Band 38_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	20.35	20.40	20.36	20.9
20	QPSK	1	49	20.26	20.29	20.29	
20	QPSK	1	99	20.36	20.35	20.32	
20	QPSK	50	0	20.33	20.35	20.30	20.9
20	QPSK	50	24	20.32	20.34	20.31	
20	QPSK	50	50	20.32	20.35	20.29	
20	QPSK	100	0	20.32	20.33	20.29	20.9
20	16QAM	1	0	20.53	20.47	20.59	
20	16QAM	1	49	20.47	20.38	20.47	
20	16QAM	1	99	20.52	20.45	20.52	20.9
20	16QAM	50	0	20.35	20.35	20.31	
20	16QAM	50	24	20.36	20.36	20.30	
20	16QAM	50	50	20.35	20.36	20.31	20.9
20	16QAM	100	0	20.38	20.37	20.34	
20	64QAM	1	0	20.47	20.27	20.06	
20	64QAM	1	49	20.46	20.18	20.05	20.9
20	64QAM	1	99	20.22	20.23	20.09	
20	64QAM	50	0	20.36	20.36	20.31	
20	64QAM	50	24	20.37	20.37	20.31	20.9
20	64QAM	50	50	20.36	20.35	20.30	
20	64QAM	100	0	20.34	20.35	20.31	
20	256QAM	1	0	18.91	18.94	18.72	20
20	256QAM	1	49	18.79	18.69	18.46	
20	256QAM	1	99	18.75	18.61	18.44	
20	256QAM	50	0	18.94	19.00	18.98	20
20	256QAM	50	24	18.95	18.99	18.90	
20	256QAM	50	50	18.82	18.89	18.84	
20	256QAM	100	0	18.84	18.88	18.87	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.31	20.35	20.32	20.9
15	QPSK	1	37	20.25	20.29	20.27	
15	QPSK	1	74	20.32	20.32	20.27	
15	QPSK	36	0	20.27	20.32	20.25	20.9
15	QPSK	36	20	20.25	20.26	20.21	
15	QPSK	36	39	20.25	20.26	20.24	
15	QPSK	75	0	20.22	20.28	20.28	20.9
15	16QAM	1	0	20.49	20.43	20.50	
15	16QAM	1	37	20.39	20.33	20.40	
15	16QAM	1	74	20.52	20.38	20.42	20.9
15	16QAM	36	0	20.27	20.34	20.28	
15	16QAM	36	20	20.29	20.32	20.28	
15	16QAM	36	39	20.25	20.26	20.24	20.9
15	16QAM	75	0	20.33	20.36	20.29	
15	64QAM	1	0	20.41	20.25	20.02	
15	64QAM	1	37	20.45	20.16	20.00	20.9
15	64QAM	1	74	20.17	20.16	20.08	
15	64QAM	36	0	20.33	20.27	20.26	
15	64QAM	36	20	20.30	20.30	20.21	20.9
15	64QAM	36	39	20.33	20.34	20.28	
15	64QAM	75	0	20.28	20.31	20.30	
15	256QAM	1	0	18.91	18.87	18.66	20
15	256QAM	1	37	18.72	18.63	18.45	
15	256QAM	1	74	18.66	18.51	18.40	
15	256QAM	36	0	18.90	18.91	18.94	20
15	256QAM	36	20	18.85	18.91	18.81	
15	256QAM	36	39	18.80	18.87	18.74	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	18.77	18.84	18.78	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.33	20.33	20.31	20.9
10	QPSK	1	25	20.19	20.22	20.26	
10	QPSK	1	49	20.34	20.35	20.23	
10	QPSK	25	0	20.30	20.30	20.28	20.9
10	QPSK	25	12	20.31	20.31	20.30	
10	QPSK	25	25	20.23	20.33	20.28	
10	QPSK	50	0	20.24	20.31	20.19	20.9
10	16QAM	1	0	20.44	20.42	20.52	
10	16QAM	1	25	20.47	20.30	20.44	
10	16QAM	1	49	20.43	20.42	20.52	20.9
10	16QAM	25	0	20.28	20.30	20.31	
10	16QAM	25	12	20.26	20.30	20.20	
10	16QAM	25	25	20.33	20.34	20.21	20.9
10	16QAM	50	0	20.37	20.32	20.28	
10	64QAM	1	0	20.43	20.17	20.02	
10	64QAM	1	25	20.45	20.14	20.10	20.9
10	64QAM	1	49	20.16	20.15	20.08	
10	64QAM	25	0	20.26	20.34	20.26	
10	64QAM	25	12	20.35	20.35	20.23	20.9
10	64QAM	25	25	20.35	20.35	20.25	
10	64QAM	50	0	20.30	20.27	20.25	
10	256QAM	1	0	18.90	18.85	18.62	20
10	256QAM	1	25	18.71	18.62	18.42	
10	256QAM	1	49	18.72	18.51	18.34	
10	256QAM	25	0	18.93	18.95	18.98	20
10	256QAM	25	12	18.94	18.98	18.84	
10	256QAM	25	25	18.82	18.89	18.76	
10	256QAM	50	0	18.84	18.78	18.85	20
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.32	20.39	20.33	20.9
5	QPSK	1	12	20.25	20.22	20.26	
5	QPSK	1	24	20.32	20.34	20.23	
5	QPSK	12	0	20.25	20.30	20.26	20.9
5	QPSK	12	7	20.31	20.31	20.26	
5	QPSK	12	13	20.27	20.27	20.25	
5	QPSK	25	0	20.27	20.28	20.23	20.9
5	16QAM	1	0	20.46	20.39	20.55	
5	16QAM	1	12	20.40	20.29	20.46	
5	16QAM	1	24	20.50	20.41	20.47	20.9
5	16QAM	12	0	20.26	20.33	20.29	
5	16QAM	12	7	20.29	20.35	20.27	
5	16QAM	12	13	20.35	20.32	20.24	20.9
5	16QAM	25	0	20.31	20.33	20.32	
5	64QAM	1	0	20.47	20.26	20.12	
5	64QAM	1	12	20.39	20.09	20.01	20.9
5	64QAM	1	24	20.21	20.23	20.11	
5	64QAM	12	0	20.27	20.30	20.30	
5	64QAM	12	7	20.37	20.33	20.28	20.9
5	64QAM	12	13	20.36	20.25	20.24	
5	64QAM	25	0	20.26	20.30	20.25	
5	256QAM	1	0	18.81	18.85	18.69	20
5	256QAM	1	12	18.78	18.60	18.39	
5	256QAM	1	24	18.66	18.60	18.40	
5	256QAM	12	0	18.91	18.97	18.95	20
5	256QAM	12	7	18.90	18.94	18.82	
5	256QAM	12	13	18.82	18.86	18.81	
5	256QAM	25	0	18.77	18.78	18.87	



<LTE Band 38_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.92	23.93	23.87	25
20	QPSK	1	49	23.88	23.87	23.84	
20	QPSK	1	99	23.92	23.90	23.88	
20	QPSK	50	0	23.05	23.08	23.03	24
20	QPSK	50	24	23.04	23.07	23.06	
20	QPSK	50	50	23.04	23.06	23.04	
20	QPSK	100	0	23.04	23.06	23.01	24
20	16QAM	1	0	23.21	23.13	23.15	
20	16QAM	1	49	23.02	23.02	22.98	
20	16QAM	1	99	23.07	23.07	23.09	23
20	16QAM	50	0	22.04	22.05	22.01	
20	16QAM	50	24	22.03	22.04	22.01	
20	16QAM	50	50	22.03	22.03	22.01	23
20	16QAM	100	0	22.05	22.04	22.02	
20	64QAM	1	0	21.98	21.97	21.96	
20	64QAM	1	49	21.85	21.91	21.91	23
20	64QAM	1	99	21.91	21.92	21.87	
20	64QAM	50	0	21.03	21.04	21.03	
20	64QAM	50	24	21.03	21.07	21.00	22
20	64QAM	50	50	21.03	21.04	21.01	
20	64QAM	100	0	21.02	21.02	21.02	
20	256QAM	1	0	18.96	18.95	18.78	20
20	256QAM	1	49	18.83	18.72	18.55	
20	256QAM	1	99	18.77	18.67	18.53	
20	256QAM	50	0	19.02	19.04	19.01	20
20	256QAM	50	24	18.95	18.99	18.97	
20	256QAM	50	50	18.90	18.92	18.89	
20	256QAM	100	0	18.91	18.93	18.87	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.90	23.90	23.89	25
15	QPSK	1	37	23.85	23.74	23.88	
15	QPSK	1	74	23.92	23.92	23.90	
15	QPSK	36	0	23.03	23.01	22.99	24
15	QPSK	36	20	23.04	23.01	22.96	
15	QPSK	36	39	23.04	23.02	22.98	
15	QPSK	75	0	23.03	22.98	22.97	24
15	16QAM	1	0	23.20	23.08	23.10	
15	16QAM	1	37	23.16	23.11	23.13	
15	16QAM	1	74	23.08	23.01	23.12	23
15	16QAM	36	0	22.03	21.99	21.96	
15	16QAM	36	20	21.99	21.98	21.92	
15	16QAM	36	39	22.00	21.96	21.94	23
15	16QAM	75	0	22.05	21.99	21.98	
15	64QAM	1	0	21.97	21.90	21.85	
15	64QAM	1	37	22.02	21.86	21.85	23
15	64QAM	1	74	22.02	21.87	21.84	
15	64QAM	36	0	21.01	20.99	20.99	
15	64QAM	36	20	21.01	20.96	20.97	22
15	64QAM	36	39	21.02	20.98	20.97	
15	64QAM	75	0	21.00	20.95	20.95	
15	256QAM	1	0	18.86	18.79	18.58	20
15	256QAM	1	37	18.70	18.57	18.37	
15	256QAM	1	74	18.62	18.52	18.39	
15	256QAM	36	0	18.86	18.94	18.83	20
15	256QAM	36	20	18.85	18.79	18.80	
15	256QAM	36	39	18.80	18.75	18.79	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	18.81	18.73	18.68	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.90	23.91	23.90	25
10	QPSK	1	25	23.89	23.85	23.87	
10	QPSK	1	49	23.91	23.90	23.90	
10	QPSK	25	0	23.01	22.98	22.97	24
10	QPSK	25	12	23.00	22.98	22.97	
10	QPSK	25	25	23.02	22.99	22.97	
10	QPSK	50	0	23.02	22.98	22.99	
10	16QAM	1	0	23.11	23.04	23.10	24
10	16QAM	1	25	23.13	23.04	23.07	
10	16QAM	1	49	23.09	23.04	23.05	
10	16QAM	25	0	22.06	22.07	22.02	23
10	16QAM	25	12	22.07	22.04	22.01	
10	16QAM	25	25	22.05	22.04	22.02	
10	16QAM	50	0	21.98	21.95	21.95	
10	64QAM	1	0	21.74	21.65	21.62	23
10	64QAM	1	25	21.68	21.62	21.57	
10	64QAM	1	49	21.74	21.64	21.60	
10	64QAM	25	0	21.00	20.96	20.96	22
10	64QAM	25	12	21.00	20.97	20.96	
10	64QAM	25	25	21.00	20.96	20.96	
10	64QAM	50	0	20.98	20.96	20.95	
10	256QAM	1	0	18.79	18.80	18.68	20
10	256QAM	1	25	18.69	18.56	18.38	
10	256QAM	1	49	18.65	18.56	18.39	
10	256QAM	25	0	18.84	18.93	18.85	20
10	256QAM	25	12	18.76	18.89	18.78	
10	256QAM	25	25	18.76	18.78	18.75	
10	256QAM	50	0	18.77	18.81	18.76	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.89	23.92	23.92	25
5	QPSK	1	12	23.90	23.88	23.90	
5	QPSK	1	24	23.90	23.90	23.89	
5	QPSK	12	0	22.97	22.95	22.96	24
5	QPSK	12	7	22.99	22.97	22.94	
5	QPSK	12	13	22.97	22.95	22.96	
5	QPSK	25	0	22.95	22.96	22.95	
5	16QAM	1	0	23.09	23.03	23.02	24
5	16QAM	1	12	23.12	23.04	23.01	
5	16QAM	1	24	23.09	23.01	23.03	
5	16QAM	12	0	21.94	21.92	21.91	23
5	16QAM	12	7	21.95	21.94	21.89	
5	16QAM	12	13	21.93	21.89	21.90	
5	16QAM	25	0	22.00	21.98	21.97	
5	64QAM	1	0	21.81	21.80	21.68	23
5	64QAM	1	12	21.81	21.71	21.67	
5	64QAM	1	24	21.82	21.75	21.58	
5	64QAM	12	0	20.97	20.96	20.94	22
5	64QAM	12	7	21.05	20.98	20.91	
5	64QAM	12	13	21.00	20.93	20.91	
5	64QAM	25	0	20.97	20.94	20.93	
5	256QAM	1	0	18.77	18.79	18.61	20
5	256QAM	1	12	18.70	18.58	18.42	
5	256QAM	1	24	18.59	18.53	18.34	
5	256QAM	12	0	18.90	18.85	18.90	20
5	256QAM	12	7	18.82	18.87	18.79	
5	256QAM	12	13	18.79	18.77	18.72	
5	256QAM	25	0	18.73	18.83	18.72	



<LTE Band 38_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.92	23.93	23.87	24.5
20	QPSK	1	49	23.88	23.87	23.84	
20	QPSK	1	99	23.92	23.90	23.88	
20	QPSK	50	0	23.05	23.08	23.03	24
20	QPSK	50	24	23.04	23.07	23.06	
20	QPSK	50	50	23.04	23.06	23.04	
20	QPSK	100	0	23.04	23.06	23.01	24
20	16QAM	1	0	23.21	23.13	23.15	
20	16QAM	1	49	23.02	23.02	22.98	
20	16QAM	1	99	23.07	23.07	23.09	23
20	16QAM	50	0	22.04	22.05	22.01	
20	16QAM	50	24	22.03	22.04	22.01	
20	16QAM	50	50	22.03	22.03	22.01	23
20	16QAM	100	0	22.05	22.04	22.02	
20	64QAM	1	0	21.98	21.97	21.96	
20	64QAM	1	49	21.85	21.91	21.91	23
20	64QAM	1	99	21.91	21.92	21.87	
20	64QAM	50	0	21.03	21.04	21.03	
20	64QAM	50	24	21.03	21.07	21.00	22
20	64QAM	50	50	21.03	21.04	21.01	
20	64QAM	100	0	21.02	21.02	21.02	
20	256QAM	1	0	18.96	18.95	18.78	20
20	256QAM	1	49	18.83	18.72	18.55	
20	256QAM	1	99	18.77	18.67	18.53	
20	256QAM	50	0	19.02	19.04	19.01	20
20	256QAM	50	24	18.95	18.99	18.97	
20	256QAM	50	50	18.90	18.92	18.89	
20	256QAM	100	0	18.91	18.93	18.87	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.90	23.90	23.89	24.5
15	QPSK	1	37	23.85	23.74	23.88	
15	QPSK	1	74	23.92	23.92	23.90	
15	QPSK	36	0	23.03	23.01	22.99	24
15	QPSK	36	20	23.04	23.01	22.96	
15	QPSK	36	39	23.04	23.02	22.98	
15	QPSK	75	0	23.03	22.98	22.97	24
15	16QAM	1	0	23.20	23.08	23.10	
15	16QAM	1	37	23.16	23.11	23.13	
15	16QAM	1	74	23.08	23.01	23.12	23
15	16QAM	36	0	22.03	21.99	21.96	
15	16QAM	36	20	21.99	21.98	21.92	
15	16QAM	36	39	22.00	21.96	21.94	23
15	16QAM	75	0	22.05	21.99	21.98	
15	64QAM	1	0	21.97	21.90	21.85	
15	64QAM	1	37	22.02	21.86	21.85	23
15	64QAM	1	74	22.02	21.87	21.84	
15	64QAM	36	0	21.01	20.99	20.99	
15	64QAM	36	20	21.01	20.96	20.97	22
15	64QAM	36	39	21.02	20.98	20.97	
15	64QAM	75	0	21.00	20.95	20.95	
15	256QAM	1	0	18.86	18.79	18.58	20
15	256QAM	1	37	18.70	18.57	18.37	
15	256QAM	1	74	18.62	18.52	18.39	
15	256QAM	36	0	18.86	18.94	18.83	20
15	256QAM	36	20	18.85	18.79	18.80	
15	256QAM	36	39	18.80	18.75	18.79	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	18.81	18.73	18.68	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.90	23.91	23.90	24.5
10	QPSK	1	25	23.89	23.85	23.87	
10	QPSK	1	49	23.91	23.90	23.90	
10	QPSK	25	0	23.01	22.98	22.97	24
10	QPSK	25	12	23.00	22.98	22.97	
10	QPSK	25	25	23.02	22.99	22.97	
10	QPSK	50	0	23.02	22.98	22.99	
10	16QAM	1	0	23.11	23.04	23.10	24
10	16QAM	1	25	23.13	23.04	23.07	
10	16QAM	1	49	23.09	23.04	23.05	
10	16QAM	25	0	22.06	22.07	22.02	23
10	16QAM	25	12	22.07	22.04	22.01	
10	16QAM	25	25	22.05	22.04	22.02	
10	16QAM	50	0	21.98	21.95	21.95	
10	64QAM	1	0	21.74	21.65	21.62	23
10	64QAM	1	25	21.68	21.62	21.57	
10	64QAM	1	49	21.74	21.64	21.60	
10	64QAM	25	0	21.00	20.96	20.96	22
10	64QAM	25	12	21.00	20.97	20.96	
10	64QAM	25	25	21.00	20.96	20.96	
10	64QAM	50	0	20.98	20.96	20.95	
10	256QAM	1	0	18.79	18.80	18.68	20
10	256QAM	1	25	18.69	18.56	18.38	
10	256QAM	1	49	18.65	18.56	18.39	
10	256QAM	25	0	18.84	18.93	18.85	20
10	256QAM	25	12	18.76	18.89	18.78	
10	256QAM	25	25	18.76	18.78	18.75	
10	256QAM	50	0	18.77	18.81	18.76	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.89	23.92	23.92	24.5
5	QPSK	1	12	23.90	23.88	23.90	
5	QPSK	1	24	23.90	23.90	23.89	
5	QPSK	12	0	22.97	22.95	22.96	24
5	QPSK	12	7	22.99	22.97	22.94	
5	QPSK	12	13	22.97	22.95	22.96	
5	QPSK	25	0	22.95	22.96	22.95	
5	16QAM	1	0	23.09	23.03	23.02	24
5	16QAM	1	12	23.12	23.04	23.01	
5	16QAM	1	24	23.09	23.01	23.03	
5	16QAM	12	0	21.94	21.92	21.91	23
5	16QAM	12	7	21.95	21.94	21.89	
5	16QAM	12	13	21.93	21.89	21.90	
5	16QAM	25	0	22.00	21.98	21.97	
5	64QAM	1	0	21.81	21.80	21.68	23
5	64QAM	1	12	21.81	21.71	21.67	
5	64QAM	1	24	21.82	21.75	21.58	
5	64QAM	12	0	20.97	20.96	20.94	22
5	64QAM	12	7	21.05	20.98	20.91	
5	64QAM	12	13	21.00	20.93	20.91	
5	64QAM	25	0	20.97	20.94	20.93	
5	256QAM	1	0	18.77	18.79	18.61	20
5	256QAM	1	12	18.70	18.58	18.42	
5	256QAM	1	24	18.59	18.53	18.34	
5	256QAM	12	0	18.90	18.85	18.90	20
5	256QAM	12	7	18.82	18.87	18.79	
5	256QAM	12	13	18.79	18.77	18.72	
5	256QAM	25	0	18.73	18.83	18.72	



<LTE Band 38_HPUE_Ant 0_Index 2/3/5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.76	25.63	25.62	27
20	QPSK	1	49	25.69	25.58	25.59	
20	QPSK	1	99	25.63	25.53	25.55	
20	QPSK	50	0	24.84	24.71	24.68	26
20	QPSK	50	24	24.67	24.57	24.66	
20	QPSK	50	50	24.83	24.64	24.67	
20	QPSK	100	0	24.73	24.55	24.58	
20	16QAM	1	0	25.16	25.05	25.06	26
20	16QAM	1	49	25.01	24.94	24.94	
20	16QAM	1	99	25.13	25.04	24.94	
20	16QAM	50	0	23.78	23.58	23.54	25
20	16QAM	50	24	23.76	23.72	23.53	
20	16QAM	50	50	23.64	23.52	23.59	
20	16QAM	100	0	23.81	23.71	23.66	
20	64QAM	1	0	23.67	23.62	23.59	25
20	64QAM	1	49	23.73	23.59	23.57	
20	64QAM	1	99	23.62	23.45	23.49	
20	64QAM	50	0	22.85	22.67	22.69	24
20	64QAM	50	24	22.73	22.52	22.52	
20	64QAM	50	50	22.79	22.56	22.52	
20	64QAM	100	0	22.68	22.57	22.55	
20	256QAM	1	0	20.92	20.35	20.79	22
20	256QAM	1	49	20.77	20.19	20.54	
20	256QAM	1	99	20.70	20.15	20.44	
20	256QAM	50	0	20.64	20.56	20.56	22
20	256QAM	50	24	20.62	20.52	20.51	
20	256QAM	50	50	20.56	20.49	20.47	
20	256QAM	100	0	20.55	20.45	20.46	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.68	25.54	25.51	27
15	QPSK	1	37	25.49	25.38	25.36	
15	QPSK	1	74	25.62	25.54	25.57	
15	QPSK	36	0	24.76	24.62	24.61	26
15	QPSK	36	20	24.74	24.60	24.62	
15	QPSK	36	39	24.73	24.59	24.60	
15	QPSK	75	0	24.74	24.62	24.62	
15	16QAM	1	0	25.00	24.87	24.83	26
15	16QAM	1	37	25.11	24.80	24.78	
15	16QAM	1	74	25.12	24.84	24.84	
15	16QAM	36	0	23.77	23.65	23.64	25
15	16QAM	36	20	23.76	23.64	23.63	
15	16QAM	36	39	23.73	23.63	23.65	
15	16QAM	75	0	23.78	23.63	23.63	
15	64QAM	1	0	24.03	23.89	23.87	25
15	64QAM	1	37	24.02	23.67	23.63	
15	64QAM	1	74	24.06	23.86	23.86	
15	64QAM	36	0	22.76	22.59	22.58	24
15	64QAM	36	20	22.75	22.60	22.60	
15	64QAM	36	39	22.76	22.59	22.59	
15	64QAM	75	0	22.77	22.63	22.64	
15	256QAM	1	0	20.38	20.62	20.37	22
15	256QAM	1	37	20.28	20.49	20.11	
15	256QAM	1	74	20.28	20.43	20.13	
15	256QAM	36	0	20.59	20.48	20.46	22
15	256QAM	36	20	20.56	20.45	20.45	
15	256QAM	36	39	20.54	20.40	20.39	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	20.61	20.52	20.46	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.59	25.48	25.51	27
10	QPSK	1	25	25.60	25.48	25.52	
10	QPSK	1	49	25.62	25.50	25.54	
10	QPSK	25	0	24.70	24.59	24.59	26
10	QPSK	25	12	24.69	24.61	24.61	
10	QPSK	25	25	24.70	24.59	24.61	
10	QPSK	50	0	24.70	24.58	24.60	
10	16QAM	1	0	25.18	24.94	25.09	26
10	16QAM	1	25	24.98	24.77	24.89	
10	16QAM	1	49	25.11	24.88	24.99	
10	16QAM	25	0	23.79	23.69	23.66	25
10	16QAM	25	12	23.82	23.63	23.64	
10	16QAM	25	25	23.81	23.62	23.64	
10	16QAM	50	0	23.73	23.61	23.60	
10	64QAM	1	0	23.82	23.90	23.79	25
10	64QAM	1	25	23.79	23.51	23.67	
10	64QAM	1	49	23.86	23.45	23.74	
10	64QAM	25	0	22.75	22.66	22.63	24
10	64QAM	25	12	22.71	22.66	22.59	
10	64QAM	25	25	22.73	22.67	22.59	
10	64QAM	50	0	22.72	22.60	22.64	
10	256QAM	1	0	20.99	20.48	20.70	22
10	256QAM	1	25	20.83	20.31	20.45	
10	256QAM	1	49	20.74	20.29	20.43	
10	256QAM	25	0	20.68	20.71	20.52	22
10	256QAM	25	12	20.63	20.67	20.46	
10	256QAM	25	25	20.56	20.63	20.38	
10	256QAM	50	0	20.62	20.60	20.45	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.66	25.60	25.65	27
5	QPSK	1	12	25.61	25.50	25.29	
5	QPSK	1	24	25.68	25.60	25.73	
5	QPSK	12	0	24.78	24.70	24.63	26
5	QPSK	12	7	24.77	24.71	24.79	
5	QPSK	12	13	24.80	24.69	24.65	
5	QPSK	25	0	24.81	24.69	24.67	26
5	16QAM	1	0	25.13	24.90	24.97	
5	16QAM	1	12	25.23	24.77	24.73	
5	16QAM	1	24	25.17	24.93	25.32	
5	16QAM	12	0	23.83	23.67	23.68	25
5	16QAM	12	7	23.84	23.73	23.79	
5	16QAM	12	13	23.85	23.73	23.72	
5	16QAM	25	0	23.92	23.82	23.89	
5	64QAM	1	0	24.21	23.88	24.11	25
5	64QAM	1	12	24.07	23.69	23.77	
5	64QAM	1	24	24.14	24.04	23.99	
5	64QAM	12	0	22.87	22.77	22.82	24
5	64QAM	12	7	22.88	22.75	22.84	
5	64QAM	12	13	22.88	22.76	22.78	
5	64QAM	25	0	22.86	22.75	22.81	
5	256QAM	1	0	20.62	20.47	20.54	22
5	256QAM	1	12	20.49	20.32	20.32	
5	256QAM	1	24	20.50	20.27	20.24	
5	256QAM	12	0	20.34	20.65	20.35	22
5	256QAM	12	7	20.39	20.57	20.26	
5	256QAM	12	13	20.33	20.57	20.22	
5	256QAM	25	0	20.34	20.55	20.19	



<LTE Band 38_HPUE_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.38	23.30	23.26	24.9
20	QPSK	1	49	23.48	23.35	23.33	
20	QPSK	1	99	23.41	23.30	23.29	
20	QPSK	50	0	23.43	23.31	23.29	24.9
20	QPSK	50	24	23.45	23.32	23.32	
20	QPSK	50	50	23.43	23.30	23.29	
20	QPSK	100	0	23.42	23.31	23.28	24.9
20	16QAM	1	0	23.62	23.54	23.78	
20	16QAM	1	49	23.33	23.19	23.46	
20	16QAM	1	99	23.56	23.43	23.41	24.9
20	16QAM	50	0	23.47	23.33	23.28	
20	16QAM	50	24	23.44	23.35	23.29	
20	16QAM	50	50	23.43	23.32	23.30	24.9
20	16QAM	100	0	23.44	23.32	23.31	
20	64QAM	1	0	23.55	23.48	23.36	
20	64QAM	1	49	23.54	23.40	23.37	24.9
20	64QAM	1	99	23.43	23.30	23.29	
20	64QAM	50	0	22.74	22.61	22.58	
20	64QAM	50	24	22.74	22.64	22.59	24
20	64QAM	50	50	22.74	22.60	22.60	
20	64QAM	100	0	22.75	22.64	22.62	
20	256QAM	1	0	20.86	20.33	20.74	22
20	256QAM	1	49	20.71	20.15	20.48	
20	256QAM	1	99	20.61	20.12	20.39	
20	256QAM	50	0	20.61	20.48	20.53	22
20	256QAM	50	24	20.53	20.46	20.47	
20	256QAM	50	50	20.54	20.45	20.38	
20	256QAM	100	0	20.55	20.43	20.37	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.29	23.26	23.20	24.9
15	QPSK	1	37	23.40	23.26	23.24	
15	QPSK	1	74	23.31	23.21	23.28	
15	QPSK	36	0	23.40	23.30	23.19	24.9
15	QPSK	36	20	23.44	23.25	23.23	
15	QPSK	36	39	23.34	23.28	23.26	
15	QPSK	75	0	23.35	23.28	23.19	24.9
15	16QAM	1	0	23.57	23.52	23.74	
15	16QAM	1	37	23.25	23.10	23.37	
15	16QAM	1	74	23.53	23.33	23.35	24.9
15	16QAM	36	0	23.44	23.26	23.27	
15	16QAM	36	20	23.42	23.29	23.20	
15	16QAM	36	39	23.40	23.32	23.26	24.9
15	16QAM	75	0	23.37	23.29	23.22	
15	64QAM	1	0	23.52	23.47	23.33	
15	64QAM	1	37	23.52	23.39	23.33	24.9
15	64QAM	1	74	23.38	23.24	23.26	
15	64QAM	36	0	22.67	22.61	22.48	
15	64QAM	36	20	22.73	22.58	22.51	24
15	64QAM	36	39	22.70	22.51	22.52	
15	64QAM	75	0	22.72	22.63	22.52	
15	256QAM	1	0	20.78	20.23	20.73	22
15	256QAM	1	37	20.63	20.10	20.46	
15	256QAM	1	74	20.61	20.12	20.36	
15	256QAM	36	0	20.57	20.38	20.46	22
15	256QAM	36	20	20.49	20.36	20.38	
15	256QAM	36	39	20.46	20.38	20.32	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	20.46	20.36	20.31	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.28	23.22	23.17	24.9
10	QPSK	1	25	23.46	23.31	23.30	
10	QPSK	1	49	23.32	23.26	23.21	
10	QPSK	25	0	23.39	23.22	23.24	24.9
10	QPSK	25	12	23.35	23.28	23.30	
10	QPSK	25	25	23.41	23.24	23.23	
10	QPSK	50	0	23.37	23.27	23.23	24.9
10	16QAM	1	0	23.60	23.45	23.77	
10	16QAM	1	25	23.24	23.14	23.42	
10	16QAM	1	49	23.46	23.37	23.31	24.9
10	16QAM	25	0	23.40	23.24	23.26	
10	16QAM	25	12	23.39	23.34	23.26	
10	16QAM	25	25	23.33	23.30	23.25	24.9
10	16QAM	50	0	23.43	23.30	23.27	
10	64QAM	1	0	23.49	23.39	23.32	
10	64QAM	1	25	23.51	23.40	23.29	24.9
10	64QAM	1	49	23.41	23.27	23.29	
10	64QAM	25	0	22.73	22.53	22.54	
10	64QAM	25	12	22.71	22.54	22.54	24
10	64QAM	25	25	22.66	22.51	22.57	
10	64QAM	50	0	22.72	22.61	22.56	
10	256QAM	1	0	20.78	20.30	20.69	22
10	256QAM	1	25	20.66	20.14	20.43	
10	256QAM	1	49	20.61	20.05	20.36	
10	256QAM	25	0	20.51	20.38	20.49	22
10	256QAM	25	12	20.53	20.40	20.45	
10	256QAM	25	25	20.49	20.37	20.29	
10	256QAM	50	0	20.48	20.33	20.32	22
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.30	23.27	23.25	24.9
5	QPSK	1	12	23.39	23.35	23.30	
5	QPSK	1	24	23.39	23.20	23.22	
5	QPSK	12	0	23.33	23.21	23.24	24.9
5	QPSK	12	7	23.40	23.32	23.27	
5	QPSK	12	13	23.37	23.21	23.24	
5	QPSK	25	0	23.36	23.24	23.21	24.9
5	16QAM	1	0	23.53	23.51	23.69	
5	16QAM	1	12	23.30	23.13	23.45	
5	16QAM	1	24	23.56	23.33	23.37	24.9
5	16QAM	12	0	23.41	23.31	23.20	
5	16QAM	12	7	23.43	23.31	23.24	
5	16QAM	12	13	23.35	23.32	23.28	24.9
5	16QAM	25	0	23.43	23.23	23.21	
5	64QAM	1	0	23.55	23.42	23.34	
5	64QAM	1	12	23.47	23.39	23.29	24.9
5	64QAM	1	24	23.35	23.21	23.28	
5	64QAM	12	0	22.66	22.61	22.58	
5	64QAM	12	7	22.66	22.64	22.51	24
5	64QAM	12	13	22.67	22.56	22.55	
5	64QAM	25	0	22.66	22.56	22.60	
5	256QAM	1	0	20.82	20.31	20.74	22
5	256QAM	1	12	20.62	20.13	20.40	
5	256QAM	1	24	20.53	20.02	20.39	
5	256QAM	12	0	20.55	20.39	20.53	22
5	256QAM	12	7	20.50	20.46	20.43	
5	256QAM	12	13	20.46	20.43	20.33	
5	256QAM	25	0	20.49	20.40	20.32	22



<LTE Band 38_HPUE_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.76	25.63	25.62	25.8
20	QPSK	1	49	25.69	25.58	25.59	
20	QPSK	1	99	25.63	25.53	25.55	
20	QPSK	50	0	24.84	24.71	24.68	25.8
20	QPSK	50	24	24.67	24.57	24.66	
20	QPSK	50	50	24.83	24.64	24.67	
20	QPSK	100	0	24.73	24.55	24.58	25.8
20	16QAM	1	0	25.16	25.05	25.06	
20	16QAM	1	49	25.01	24.94	24.94	
20	16QAM	1	99	25.13	25.04	24.94	25
20	16QAM	50	0	23.78	23.58	23.54	
20	16QAM	50	24	23.76	23.72	23.53	
20	16QAM	50	50	23.64	23.52	23.59	25
20	16QAM	100	0	23.81	23.71	23.66	
20	64QAM	1	0	23.67	23.62	23.59	
20	64QAM	1	49	23.73	23.59	23.57	24
20	64QAM	1	99	23.62	23.45	23.49	
20	64QAM	50	0	22.85	22.67	22.69	
20	64QAM	50	24	22.73	22.52	22.52	22
20	64QAM	50	50	22.79	22.56	22.52	
20	64QAM	100	0	22.68	22.57	22.55	
20	256QAM	1	0	20.92	20.35	20.79	22
20	256QAM	1	49	20.77	20.19	20.54	
20	256QAM	1	99	20.70	20.15	20.44	
20	256QAM	50	0	20.64	20.56	20.56	22
20	256QAM	50	24	20.62	20.52	20.51	
20	256QAM	50	50	20.56	20.49	20.47	
20	256QAM	100	0	20.55	20.45	20.46	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.68	25.54	25.51	25.8
15	QPSK	1	37	25.49	25.38	25.36	
15	QPSK	1	74	25.62	25.54	25.57	
15	QPSK	36	0	24.76	24.62	24.61	25.8
15	QPSK	36	20	24.74	24.60	24.62	
15	QPSK	36	39	24.73	24.59	24.60	
15	QPSK	75	0	24.74	24.62	24.62	25.8
15	16QAM	1	0	25.00	24.87	24.83	
15	16QAM	1	37	25.11	24.80	24.78	
15	16QAM	1	74	25.12	24.84	24.84	25
15	16QAM	36	0	23.77	23.65	23.64	
15	16QAM	36	20	23.76	23.64	23.63	
15	16QAM	36	39	23.73	23.63	23.65	25
15	16QAM	75	0	23.78	23.63	23.63	
15	64QAM	1	0	24.03	23.89	23.87	
15	64QAM	1	37	24.02	23.67	23.63	24
15	64QAM	1	74	24.06	23.86	23.86	
15	64QAM	36	0	22.76	22.59	22.58	
15	64QAM	36	20	22.75	22.60	22.60	22
15	64QAM	36	39	22.76	22.59	22.59	
15	64QAM	75	0	22.77	22.63	22.64	
15	256QAM	1	0	20.38	20.62	20.37	22
15	256QAM	1	37	20.28	20.49	20.11	
15	256QAM	1	74	20.28	20.43	20.13	
15	256QAM	36	0	20.59	20.48	20.46	22
15	256QAM	36	20	20.56	20.45	20.45	
15	256QAM	36	39	20.54	20.40	20.39	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	20.61	20.52	20.46	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.59	25.48	25.51	25.8
10	QPSK	1	25	25.60	25.48	25.52	
10	QPSK	1	49	25.62	25.50	25.54	
10	QPSK	25	0	24.70	24.59	24.59	25.8
10	QPSK	25	12	24.69	24.61	24.61	
10	QPSK	25	25	24.70	24.59	24.61	
10	QPSK	50	0	24.70	24.58	24.60	25.8
10	16QAM	1	0	25.18	24.94	25.09	
10	16QAM	1	25	24.98	24.77	24.89	
10	16QAM	1	49	25.11	24.88	24.99	25
10	16QAM	25	0	23.79	23.69	23.66	
10	16QAM	25	12	23.82	23.63	23.64	
10	16QAM	25	25	23.81	23.62	23.64	25
10	16QAM	50	0	23.73	23.61	23.60	
10	64QAM	1	0	23.82	23.90	23.79	
10	64QAM	1	25	23.79	23.51	23.67	25
10	64QAM	1	49	23.86	23.45	23.74	
10	64QAM	25	0	22.75	22.66	22.63	
10	64QAM	25	12	22.71	22.66	22.59	24
10	64QAM	25	25	22.73	22.67	22.59	
10	64QAM	50	0	22.72	22.60	22.64	
10	256QAM	1	0	20.99	20.48	20.70	22
10	256QAM	1	25	20.83	20.31	20.45	
10	256QAM	1	49	20.74	20.29	20.43	
10	256QAM	25	0	20.68	20.71	20.52	22
10	256QAM	25	12	20.63	20.67	20.46	
10	256QAM	25	25	20.56	20.63	20.38	
10	256QAM	50	0	20.62	20.60	20.45	22
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.66	25.60	25.65	25.8
5	QPSK	1	12	25.61	25.50	25.29	
5	QPSK	1	24	25.68	25.60	25.73	
5	QPSK	12	0	24.78	24.70	24.63	25.8
5	QPSK	12	7	24.77	24.71	24.79	
5	QPSK	12	13	24.80	24.69	24.65	
5	QPSK	25	0	24.81	24.69	24.67	25.8
5	16QAM	1	0	25.13	24.90	24.97	
5	16QAM	1	12	25.23	24.77	24.73	
5	16QAM	1	24	25.17	24.93	25.32	25
5	16QAM	12	0	23.83	23.67	23.68	
5	16QAM	12	7	23.84	23.73	23.79	
5	16QAM	12	13	23.85	23.73	23.72	25
5	16QAM	25	0	23.92	23.82	23.89	
5	64QAM	1	0	24.21	23.88	24.11	
5	64QAM	1	12	24.07	23.69	23.77	25
5	64QAM	1	24	24.14	24.04	23.99	
5	64QAM	12	0	22.87	22.77	22.82	
5	64QAM	12	7	22.88	22.75	22.84	24
5	64QAM	12	13	22.88	22.76	22.78	
5	64QAM	25	0	22.86	22.75	22.81	
5	256QAM	1	0	20.62	20.47	20.54	22
5	256QAM	1	12	20.49	20.32	20.32	
5	256QAM	1	24	20.50	20.27	20.24	
5	256QAM	12	0	20.34	20.65	20.35	22
5	256QAM	12	7	20.39	20.57	20.26	
5	256QAM	12	13	20.33	20.57	20.22	
5	256QAM	25	0	20.34	20.55	20.19	



<LTE Band 38_HPUE_Ant 2_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.86	24.88	24.87	26.7
20	QPSK	1	49	24.88	24.87	24.88	
20	QPSK	1	99	24.87	24.86	24.87	
20	QPSK	50	0	24.87	24.88	24.84	26.5
20	QPSK	50	24	24.86	24.89	24.85	
20	QPSK	50	50	24.87	24.91	24.85	
20	QPSK	100	0	24.86	24.89	24.85	26.5
20	16QAM	1	0	25.34	25.50	25.20	
20	16QAM	1	49	25.04	25.20	25.02	
20	16QAM	1	99	25.15	25.14	25.16	25.5
20	16QAM	50	0	24.41	24.42	24.40	
20	16QAM	50	24	24.41	24.42	24.38	
20	16QAM	50	50	24.42	24.42	24.39	25.5
20	16QAM	100	0	24.40	24.42	24.41	
20	64QAM	1	0	24.70	24.60	24.69	
20	64QAM	1	49	24.46	24.45	24.31	25.5
20	64QAM	1	99	24.27	24.25	24.23	
20	64QAM	50	0	23.38	23.38	23.34	
20	64QAM	50	24	23.36	23.38	23.35	24.5
20	64QAM	50	50	23.36	23.37	23.33	
20	64QAM	100	0	23.39	23.38	23.36	
20	256QAM	1	0	21.34	21.37	21.38	22.5
20	256QAM	1	49	21.30	21.19	21.15	
20	256QAM	1	99	21.19	21.17	21.09	
20	256QAM	50	0	21.45	21.41	21.44	22.5
20	256QAM	50	24	21.41	21.38	21.35	
20	256QAM	50	50	21.35	21.29	21.30	
20	256QAM	100	0	21.30	21.35	21.29	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.83	24.85	24.84	26.7
15	QPSK	1	37	24.81	24.79	24.80	
15	QPSK	1	74	24.85	24.79	24.80	
15	QPSK	36	0	24.80	24.86	24.79	26.5
15	QPSK	36	20	24.79	24.83	24.80	
15	QPSK	36	39	24.87	24.85	24.79	
15	QPSK	75	0	24.76	24.89	24.84	26.5
15	16QAM	1	0	25.27	25.49	25.12	
15	16QAM	1	37	24.96	25.18	25.00	
15	16QAM	1	74	25.05	25.10	25.12	25.5
15	16QAM	36	0	24.32	24.36	24.40	
15	16QAM	36	20	24.33	24.41	24.37	
15	16QAM	36	39	24.36	24.35	24.33	25.5
15	16QAM	75	0	24.37	24.39	24.31	
15	64QAM	1	0	24.60	24.52	24.66	
15	64QAM	1	37	24.39	24.42	24.29	25.5
15	64QAM	1	74	24.24	24.24	24.23	
15	64QAM	36	0	23.28	23.35	23.25	
15	64QAM	36	20	23.31	23.36	23.29	24.5
15	64QAM	36	39	23.26	23.28	23.27	
15	64QAM	75	0	23.35	23.38	23.27	
15	256QAM	1	0	21.28	21.30	21.29	22.5
15	256QAM	1	37	21.22	21.18	21.07	
15	256QAM	1	74	21.12	21.15	21.08	
15	256QAM	36	0	21.38	21.33	21.40	22.5
15	256QAM	36	20	21.41	21.32	21.35	
15	256QAM	36	39	21.35	21.29	21.21	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	21.21	21.30	21.20	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.79	24.78	24.77	26.7
10	QPSK	1	25	24.86	24.80	24.80	
10	QPSK	1	49	24.83	24.76	24.82	
10	QPSK	25	0	24.85	24.83	24.75	26.5
10	QPSK	25	12	24.86	24.88	24.78	
10	QPSK	25	25	24.80	24.87	24.80	
10	QPSK	50	0	24.83	24.88	24.76	
10	16QAM	1	0	25.30	25.46	25.18	26.5
10	16QAM	1	25	25.01	25.13	24.95	
10	16QAM	1	49	25.15	25.04	25.07	
10	16QAM	25	0	24.37	24.39	24.35	25.5
10	16QAM	25	12	24.36	24.40	24.31	
10	16QAM	25	25	24.38	24.38	24.38	
10	16QAM	50	0	24.31	24.35	24.34	
10	64QAM	1	0	24.66	24.57	24.68	25.5
10	64QAM	1	25	24.46	24.39	24.29	
10	64QAM	1	49	24.20	24.25	24.13	
10	64QAM	25	0	23.38	23.36	23.27	24.5
10	64QAM	25	12	23.36	23.30	23.33	
10	64QAM	25	25	23.27	23.29	23.24	
10	64QAM	50	0	23.38	23.38	23.34	
10	256QAM	1	0	21.32	21.35	21.28	22.5
10	256QAM	1	25	21.20	21.16	21.10	
10	256QAM	1	49	21.15	21.11	21.06	
10	256QAM	25	0	21.35	21.35	21.42	22.5
10	256QAM	25	12	21.38	21.31	21.35	
10	256QAM	25	25	21.33	21.19	21.23	
10	256QAM	50	0	21.27	21.25	21.20	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.77	24.84	24.85	26.7
5	QPSK	1	12	24.80	24.77	24.85	
5	QPSK	1	24	24.85	24.79	24.86	
5	QPSK	12	0	24.86	24.78	24.76	26.5
5	QPSK	12	7	24.77	24.86	24.75	
5	QPSK	12	13	24.82	24.89	24.84	
5	QPSK	25	0	24.81	24.84	24.85	
5	16QAM	1	0	25.31	25.40	25.17	26.5
5	16QAM	1	12	24.99	25.11	25.02	
5	16QAM	1	24	25.12	25.13	25.12	
5	16QAM	12	0	24.41	24.37	24.33	25.5
5	16QAM	12	7	24.37	24.35	24.33	
5	16QAM	12	13	24.33	24.36	24.32	
5	16QAM	25	0	24.39	24.39	24.36	
5	64QAM	1	0	24.61	24.54	24.61	25.5
5	64QAM	1	12	24.42	24.45	24.30	
5	64QAM	1	24	24.24	24.17	24.19	
5	64QAM	12	0	23.32	23.35	23.26	24.5
5	64QAM	12	7	23.27	23.34	23.33	
5	64QAM	12	13	23.28	23.27	23.32	
5	64QAM	25	0	23.38	23.38	23.28	
5	256QAM	1	0	21.26	21.29	21.30	22.5
5	256QAM	1	12	21.22	21.13	21.08	
5	256QAM	1	24	21.12	21.14	21.07	
5	256QAM	12	0	21.38	21.34	21.38	22.5
5	256QAM	12	7	21.35	21.37	21.25	
5	256QAM	12	13	21.27	21.21	21.22	
5	256QAM	25	0	21.21	21.33	21.29	



<LTE Band 38_HPUE_Ant 2_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.07	24.17	24.08	24.7
20	QPSK	1	49	24.15	24.12	24.12	
20	QPSK	1	99	24.15	24.08	24.13	
20	QPSK	50	0	24.16	24.17	24.12	24.7
20	QPSK	50	24	24.16	24.14	24.06	
20	QPSK	50	50	24.14	24.13	24.07	
20	QPSK	100	0	24.10	24.12	24.12	24.7
20	16QAM	1	0	24.62	24.60	24.48	
20	16QAM	1	49	24.27	24.41	24.30	
20	16QAM	1	99	24.38	24.38	24.37	24.7
20	16QAM	50	0	24.39	24.41	24.39	
20	16QAM	50	24	24.35	24.38	24.30	
20	16QAM	50	50	24.35	24.35	24.32	24.7
20	16QAM	100	0	24.38	24.38	24.34	
20	64QAM	1	0	24.59	24.58	24.60	
20	64QAM	1	49	24.42	24.45	24.29	24.7
20	64QAM	1	99	24.21	24.18	24.13	
20	64QAM	50	0	23.38	23.34	23.33	
20	64QAM	50	24	23.26	23.37	23.30	24.5
20	64QAM	50	50	23.32	23.34	23.28	
20	64QAM	100	0	23.37	23.38	23.33	
20	256QAM	1	0	21.25	21.27	21.34	22.5
20	256QAM	1	49	21.29	21.15	21.10	
20	256QAM	1	99	21.13	21.16	21.05	
20	256QAM	50	0	21.37	21.39	21.39	22.5
20	256QAM	50	24	21.39	21.29	21.26	
20	256QAM	50	50	21.34	21.19	21.25	
20	256QAM	100	0	21.25	21.29	21.19	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.05	24.06	24.09	24.7
15	QPSK	1	37	24.06	24.08	24.07	
15	QPSK	1	74	24.05	24.02	24.03	
15	QPSK	36	0	24.00	24.09	24.09	24.7
15	QPSK	36	20	24.01	24.04	24.00	
15	QPSK	36	39	24.10	24.14	24.03	
15	QPSK	75	0	23.99	24.18	24.13	24.7
15	16QAM	1	0	24.51	24.50	24.42	
15	16QAM	1	37	24.19	24.42	24.25	
15	16QAM	1	74	24.26	24.32	24.41	24.7
15	16QAM	36	0	24.31	24.28	24.34	
15	16QAM	36	20	24.28	24.34	24.29	
15	16QAM	36	39	24.34	24.26	24.30	24.7
15	16QAM	75	0	24.36	24.34	24.22	
15	64QAM	1	0	24.50	24.47	24.60	
15	64QAM	1	37	24.30	24.42	24.21	24.7
15	64QAM	1	74	24.20	24.17	24.17	
15	64QAM	36	0	23.21	23.29	23.15	
15	64QAM	36	20	23.23	23.33	23.28	24.5
15	64QAM	36	39	23.16	23.23	23.22	
15	64QAM	75	0	23.33	23.29	23.27	
15	256QAM	1	0	21.27	21.27	21.23	22.5
15	256QAM	1	37	21.13	21.10	20.98	
15	256QAM	1	74	21.05	21.05	21.05	
15	256QAM	36	0	21.30	21.29	21.38	22.5
15	256QAM	36	20	21.37	21.32	21.26	
15	256QAM	36	39	21.26	21.24	21.14	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	21.21	21.29	21.15	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.99	24.02	23.99	24.7
10	QPSK	1	25	24.14	24.01	24.04	
10	QPSK	1	49	24.06	23.96	24.03	
10	QPSK	25	0	24.14	24.12	23.97	24.7
10	QPSK	25	12	24.07	24.15	24.01	
10	QPSK	25	25	24.03	24.14	24.08	
10	QPSK	50	0	24.06	24.14	24.04	
10	16QAM	1	0	24.57	24.58	24.39	24.7
10	16QAM	1	25	24.25	24.40	24.25	
10	16QAM	1	49	24.36	24.29	24.28	
10	16QAM	25	0	24.30	24.35	24.29	24.7
10	16QAM	25	12	24.34	24.39	24.21	
10	16QAM	25	25	24.32	24.34	24.36	
10	16QAM	50	0	24.21	24.34	24.28	
10	64QAM	1	0	24.56	24.53	24.60	24.7
10	64QAM	1	25	24.40	24.38	24.23	
10	64QAM	1	49	24.17	24.18	24.04	
10	64QAM	25	0	23.34	23.31	23.20	24.5
10	64QAM	25	12	23.36	23.21	23.32	
10	64QAM	25	25	23.27	23.21	23.15	
10	64QAM	50	0	23.31	23.31	23.33	
10	256QAM	1	0	21.30	21.29	21.25	22.5
10	256QAM	1	25	21.19	21.10	21.05	
10	256QAM	1	49	21.09	21.06	21.05	
10	256QAM	25	0	21.25	21.30	21.36	22.5
10	256QAM	25	12	21.36	21.21	21.27	
10	256QAM	25	25	21.26	21.09	21.21	
10	256QAM	50	0	21.20	21.22	21.14	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.07	24.05	24.08	24.7
5	QPSK	1	12	24.09	24.07	24.09	
5	QPSK	1	24	24.08	24.03	24.09	
5	QPSK	12	0	24.07	23.98	24.01	24.7
5	QPSK	12	7	24.07	24.10	23.96	
5	QPSK	12	13	24.11	24.17	24.07	
5	QPSK	25	0	24.07	24.08	24.09	
5	16QAM	1	0	24.55	24.56	24.46	24.7
5	16QAM	1	12	24.25	24.35	24.25	
5	16QAM	1	24	24.42	24.35	24.33	
5	16QAM	12	0	24.36	24.31	24.32	24.7
5	16QAM	12	7	24.30	24.31	24.30	
5	16QAM	12	13	24.27	24.29	24.28	
5	16QAM	25	0	24.38	24.36	24.30	
5	64QAM	1	0	24.59	24.52	24.54	24.7
5	64QAM	1	12	24.42	24.40	24.23	
5	64QAM	1	24	24.14	24.10	24.18	
5	64QAM	12	0	23.28	23.29	23.25	24.5
5	64QAM	12	7	23.20	23.26	23.31	
5	64QAM	12	13	23.21	23.24	23.27	
5	64QAM	25	0	23.29	23.28	23.27	
5	256QAM	1	0	21.21	21.23	21.28	22.5
5	256QAM	1	12	21.18	21.05	20.98	
5	256QAM	1	24	21.03	21.08	21.01	
5	256QAM	12	0	21.33	21.29	21.36	22.5
5	256QAM	12	7	21.31	21.33	21.19	
5	256QAM	12	13	21.19	21.14	21.13	
5	256QAM	25	0	21.19	21.23	21.28	



<LTE Band 38_HPUE_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.85	21.87	21.83	22.5
20	QPSK	1	49	21.88	21.86	21.84	
20	QPSK	1	99	21.88	21.89	21.83	
20	QPSK	50	0	21.89	21.88	21.82	22.5
20	QPSK	50	24	21.89	21.86	21.84	
20	QPSK	50	50	21.87	21.86	21.83	
20	QPSK	100	0	21.87	21.87	21.82	22.5
20	16QAM	1	0	22.30	22.41	22.38	
20	16QAM	1	49	22.30	22.17	22.29	
20	16QAM	1	99	22.43	22.23	22.39	22.5
20	16QAM	50	0	21.93	21.86	21.88	
20	16QAM	50	24	21.90	21.86	21.85	
20	16QAM	50	50	21.90	21.85	21.85	22.5
20	16QAM	100	0	21.93	21.89	21.87	
20	64QAM	1	0	22.44	22.11	22.07	
20	64QAM	1	49	21.94	22.03	21.74	22.5
20	64QAM	1	99	21.86	22.00	21.81	
20	64QAM	50	0	21.90	21.89	21.85	
20	64QAM	50	24	21.87	21.86	21.85	22.5
20	64QAM	50	50	21.87	21.86	21.84	
20	64QAM	100	0	21.91	21.89	21.86	
20	256QAM	1	0	21.35	21.40	21.32	22.5
20	256QAM	1	49	21.16	21.17	21.08	
20	256QAM	1	99	21.13	21.05	21.02	
20	256QAM	50	0	21.36	21.38	21.28	22.5
20	256QAM	50	24	21.36	21.37	21.34	
20	256QAM	50	50	21.24	21.34	21.27	
20	256QAM	100	0	21.24	21.24	21.31	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.78	21.81	21.79	22.5
15	QPSK	1	37	21.78	21.84	21.78	
15	QPSK	1	74	21.86	21.87	21.82	
15	QPSK	36	0	21.87	21.80	21.79	22.5
15	QPSK	36	20	21.82	21.85	21.76	
15	QPSK	36	39	21.83	21.84	21.78	
15	QPSK	75	0	21.81	21.83	21.78	22.5
15	16QAM	1	0	22.24	22.33	22.28	
15	16QAM	1	37	22.24	22.13	22.21	
15	16QAM	1	74	22.35	22.22	22.34	22.5
15	16QAM	36	0	21.86	21.85	21.84	
15	16QAM	36	20	21.80	21.86	21.80	
15	16QAM	36	39	21.83	21.81	21.78	22.5
15	16QAM	75	0	21.92	21.80	21.87	
15	64QAM	1	0	22.37	22.09	21.98	
15	64QAM	1	37	21.94	22.00	21.68	22.5
15	64QAM	1	74	21.84	21.96	21.71	
15	64QAM	36	0	21.81	21.83	21.76	
15	64QAM	36	20	21.80	21.77	21.79	22.5
15	64QAM	36	39	21.77	21.82	21.82	
15	64QAM	75	0	21.83	21.83	21.82	
15	256QAM	1	0	21.30	21.34	21.29	22.5
15	256QAM	1	37	21.08	21.12	20.98	
15	256QAM	1	74	21.07	20.97	20.96	
15	256QAM	36	0	21.33	21.29	21.23	22.5
15	256QAM	36	20	21.34	21.30	21.34	
15	256QAM	36	39	21.19	21.31	21.23	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	21.21	21.22	21.24	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.78	21.86	21.73	22.5
10	QPSK	1	25	21.84	21.84	21.78	
10	QPSK	1	49	21.87	21.80	21.81	
10	QPSK	25	0	21.87	21.85	21.80	22.5
10	QPSK	25	12	21.86	21.85	21.78	
10	QPSK	25	25	21.85	21.86	21.83	
10	QPSK	50	0	21.79	21.83	21.78	22.5
10	16QAM	1	0	22.22	22.40	22.36	
10	16QAM	1	25	22.27	22.07	22.22	
10	16QAM	1	49	22.42	22.22	22.38	22.5
10	16QAM	25	0	21.86	21.76	21.79	
10	16QAM	25	12	21.90	21.85	21.81	
10	16QAM	25	25	21.88	21.77	21.75	22.5
10	16QAM	50	0	21.90	21.85	21.85	
10	64QAM	1	0	22.34	22.09	21.98	
10	64QAM	1	25	21.92	22.02	21.68	22.5
10	64QAM	1	49	21.83	21.99	21.73	
10	64QAM	25	0	21.82	21.87	21.83	
10	64QAM	25	12	21.78	21.76	21.75	22.5
10	64QAM	25	25	21.82	21.84	21.76	
10	64QAM	50	0	21.84	21.84	21.85	
10	256QAM	1	0	21.28	21.32	21.24	22.5
10	256QAM	1	25	21.10	21.11	21.06	
10	256QAM	1	49	21.08	21.00	21.01	
10	256QAM	25	0	21.31	21.38	21.23	22.5
10	256QAM	25	12	21.28	21.34	21.31	
10	256QAM	25	25	21.21	21.33	21.19	
10	256QAM	50	0	21.20	21.19	21.31	22.5
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.82	21.78	21.78	22.5
5	QPSK	1	12	21.79	21.85	21.76	
5	QPSK	1	24	21.83	21.81	21.78	
5	QPSK	12	0	21.89	21.83	21.80	22.5
5	QPSK	12	7	21.83	21.84	21.81	
5	QPSK	12	13	21.82	21.76	21.78	
5	QPSK	25	0	21.81	21.84	21.79	22.5
5	16QAM	1	0	22.24	22.37	22.33	
5	16QAM	1	12	22.29	22.16	22.22	
5	16QAM	1	24	22.43	22.22	22.29	22.5
5	16QAM	12	0	21.85	21.78	21.81	
5	16QAM	12	7	21.90	21.78	21.85	
5	16QAM	12	13	21.80	21.79	21.75	22.5
5	16QAM	25	0	21.88	21.81	21.84	
5	64QAM	1	0	22.39	22.05	22.02	
5	64QAM	1	12	21.94	22.02	21.71	22.5
5	64QAM	1	24	21.79	22.00	21.80	
5	64QAM	12	0	21.82	21.82	21.76	
5	64QAM	12	7	21.78	21.81	21.78	22.5
5	64QAM	12	13	21.80	21.85	21.80	
5	64QAM	25	0	21.91	21.82	21.85	
5	256QAM	1	0	21.35	21.34	21.29	22.5
5	256QAM	1	12	21.14	21.14	21.08	
5	256QAM	1	24	21.06	20.98	20.95	
5	256QAM	12	0	21.32	21.32	21.24	22.5
5	256QAM	12	7	21.36	21.27	21.24	
5	256QAM	12	13	21.15	21.30	21.20	
5	256QAM	25	0	21.15	21.22	21.24	



<LTE Band 38_HPUE_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.45	25.51	25.42	27.2
20	QPSK	1	49	25.48	25.50	25.47	
20	QPSK	1	99	25.45	25.45	25.43	
20	QPSK	50	0	25.42	25.46	25.38	26.5
20	QPSK	50	24	25.44	25.45	25.39	
20	QPSK	50	50	25.41	25.44	25.40	
20	QPSK	100	0	25.42	25.43	25.40	
20	16QAM	1	0	25.89	25.80	25.70	26.5
20	16QAM	1	49	25.25	25.23	25.20	
20	16QAM	1	99	25.36	25.38	25.35	
20	16QAM	50	0	24.48	24.45	24.42	25.5
20	16QAM	50	24	24.44	24.46	24.39	
20	16QAM	50	50	24.47	24.42	24.41	
20	16QAM	100	0	24.42	24.45	24.43	
20	64QAM	1	0	24.52	24.55	24.48	25.5
20	64QAM	1	49	24.69	24.68	24.51	
20	64QAM	1	99	24.59	24.55	24.23	
20	64QAM	50	0	23.45	23.44	23.41	24.5
20	64QAM	50	24	23.46	23.46	23.42	
20	64QAM	50	50	23.44	23.43	23.40	
20	64QAM	100	0	23.44	23.44	23.42	
20	256QAM	1	0	21.36	21.42	21.40	22.5
20	256QAM	1	49	21.24	21.20	21.16	
20	256QAM	1	99	21.21	21.08	21.07	
20	256QAM	50	0	21.45	21.41	21.36	22.5
20	256QAM	50	24	21.41	21.38	21.39	
20	256QAM	50	50	21.30	21.34	21.35	
20	256QAM	100	0	21.33	21.31	21.35	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.38	25.42	25.37	27.2
15	QPSK	1	37	25.43	25.46	25.41	
15	QPSK	1	74	25.43	25.35	25.35	
15	QPSK	36	0	25.36	25.44	25.31	26.5
15	QPSK	36	20	25.42	25.37	25.31	
15	QPSK	36	39	25.36	25.40	25.31	
15	QPSK	75	0	25.34	25.37	25.38	
15	16QAM	1	0	25.80	25.76	25.60	26.5
15	16QAM	1	37	25.22	25.16	25.19	
15	16QAM	1	74	25.35	25.31	25.34	
15	16QAM	36	0	24.43	24.42	24.41	25.5
15	16QAM	36	20	24.42	24.41	24.39	
15	16QAM	36	39	24.43	24.41	24.41	
15	16QAM	75	0	24.33	24.41	24.33	
15	64QAM	1	0	24.42	24.45	24.38	25.5
15	64QAM	1	37	24.62	24.62	24.49	
15	64QAM	1	74	24.55	24.50	24.22	
15	64QAM	36	0	23.42	23.39	23.31	24.5
15	64QAM	36	20	23.45	23.45	23.36	
15	64QAM	36	39	23.38	23.37	23.35	
15	64QAM	75	0	23.42	23.42	23.38	
15	256QAM	1	0	21.32	21.37	21.38	22.5
15	256QAM	1	37	21.21	21.15	21.07	
15	256QAM	1	74	21.11	21.03	21.05	
15	256QAM	36	0	21.44	21.33	21.31	22.5
15	256QAM	36	20	21.31	21.28	21.37	
15	256QAM	36	39	21.29	21.31	21.28	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	21.33	21.30	21.26	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.44	25.39	25.36	27.2
10	QPSK	1	25	25.47	25.42	25.46	
10	QPSK	1	49	25.41	25.41	25.35	
10	QPSK	25	0	25.37	25.40	25.31	26.5
10	QPSK	25	12	25.38	25.44	25.33	
10	QPSK	25	25	25.38	25.35	25.37	
10	QPSK	50	0	25.37	25.42	25.35	
10	16QAM	1	0	25.80	25.79	25.69	26.5
10	16QAM	1	25	25.18	25.23	25.14	
10	16QAM	1	49	25.27	25.30	25.25	
10	16QAM	25	0	24.38	24.36	24.42	25.5
10	16QAM	25	12	24.44	24.41	24.29	
10	16QAM	25	25	24.43	24.38	24.36	
10	16QAM	50	0	24.40	24.38	24.34	
10	64QAM	1	0	24.50	24.50	24.44	25.5
10	64QAM	1	25	24.69	24.65	24.42	
10	64QAM	1	49	24.58	24.51	24.16	
10	64QAM	25	0	23.44	23.37	23.41	24.5
10	64QAM	25	12	23.44	23.39	23.32	
10	64QAM	25	25	23.41	23.38	23.40	
10	64QAM	50	0	23.42	23.34	23.37	
10	256QAM	1	0	21.32	21.34	21.31	22.5
10	256QAM	1	25	21.16	21.12	21.12	
10	256QAM	1	49	21.15	21.07	20.97	
10	256QAM	25	0	21.43	21.32	21.26	22.5
10	256QAM	25	12	21.33	21.30	21.36	
10	256QAM	25	25	21.24	21.31	21.30	
10	256QAM	50	0	21.23	21.29	21.30	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.37	25.42	25.32	27.2
5	QPSK	1	12	25.44	25.48	25.44	
5	QPSK	1	24	25.42	25.39	25.39	
5	QPSK	12	0	25.38	25.42	25.32	26.5
5	QPSK	12	7	25.39	25.39	25.38	
5	QPSK	12	13	25.39	25.42	25.35	
5	QPSK	25	0	25.38	25.38	25.36	
5	16QAM	1	0	25.80	25.80	25.60	26.5
5	16QAM	1	12	25.16	25.21	25.13	
5	16QAM	1	24	25.35	25.33	25.31	
5	16QAM	12	0	24.41	24.39	24.32	25.5
5	16QAM	12	7	24.34	24.44	24.38	
5	16QAM	12	13	24.38	24.37	24.39	
5	16QAM	25	0	24.36	24.43	24.36	
5	64QAM	1	0	24.45	24.46	24.43	25.5
5	64QAM	1	12	24.62	24.59	24.42	
5	64QAM	1	24	24.50	24.51	24.20	
5	64QAM	12	0	23.40	23.43	23.33	24.5
5	64QAM	12	7	23.40	23.46	23.40	
5	64QAM	12	13	23.38	23.39	23.34	
5	64QAM	25	0	23.40	23.34	23.35	
5	256QAM	1	0	21.31	21.39	21.32	22.5
5	256QAM	1	12	21.18	21.18	21.16	
5	256QAM	1	24	21.12	21.05	21.06	
5	256QAM	12	0	21.37	21.37	21.35	22.5
5	256QAM	12	7	21.33	21.33	21.38	
5	256QAM	12	13	21.22	21.32	21.31	
5	256QAM	25	0	21.24	21.27	21.28	



<LTE Band 38_HPUE_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.45	25.51	25.42	26.1
20	QPSK	1	49	25.48	25.50	25.47	
20	QPSK	1	99	25.45	25.45	25.43	
20	QPSK	50	0	25.42	25.46	25.38	26.1
20	QPSK	50	24	25.44	25.45	25.39	
20	QPSK	50	50	25.41	25.44	25.40	
20	QPSK	100	0	25.42	25.43	25.40	
20	16QAM	1	0	25.89	25.80	25.70	26.1
20	16QAM	1	49	25.25	25.23	25.20	
20	16QAM	1	99	25.36	25.38	25.35	
20	16QAM	50	0	24.48	24.45	24.42	25.5
20	16QAM	50	24	24.44	24.46	24.39	
20	16QAM	50	50	24.47	24.42	24.41	
20	16QAM	100	0	24.42	24.45	24.43	
20	64QAM	1	0	24.52	24.55	24.48	25.5
20	64QAM	1	49	24.69	24.68	24.51	
20	64QAM	1	99	24.59	24.55	24.23	
20	64QAM	50	0	23.45	23.44	23.41	24.5
20	64QAM	50	24	23.46	23.46	23.42	
20	64QAM	50	50	23.44	23.43	23.40	
20	64QAM	100	0	23.44	23.44	23.42	
20	256QAM	1	0	21.36	21.42	21.40	22.5
20	256QAM	1	49	21.24	21.20	21.16	
20	256QAM	1	99	21.21	21.08	21.07	
20	256QAM	50	0	21.45	21.41	21.36	22.5
20	256QAM	50	24	21.41	21.38	21.39	
20	256QAM	50	50	21.30	21.34	21.35	
20	256QAM	100	0	21.33	21.31	21.35	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.38	25.42	25.37	26.1
15	QPSK	1	37	25.43	25.46	25.41	
15	QPSK	1	74	25.43	25.35	25.35	
15	QPSK	36	0	25.36	25.44	25.31	26.1
15	QPSK	36	20	25.42	25.37	25.31	
15	QPSK	36	39	25.36	25.40	25.31	
15	QPSK	75	0	25.34	25.37	25.38	
15	16QAM	1	0	25.80	25.76	25.60	26.1
15	16QAM	1	37	25.22	25.16	25.19	
15	16QAM	1	74	25.35	25.31	25.34	
15	16QAM	36	0	24.43	24.42	24.41	25.5
15	16QAM	36	20	24.42	24.41	24.39	
15	16QAM	36	39	24.43	24.41	24.41	
15	16QAM	75	0	24.33	24.41	24.33	
15	64QAM	1	0	24.42	24.45	24.38	25.5
15	64QAM	1	37	24.62	24.62	24.49	
15	64QAM	1	74	24.55	24.50	24.22	
15	64QAM	36	0	23.42	23.39	23.31	24.5
15	64QAM	36	20	23.45	23.45	23.36	
15	64QAM	36	39	23.38	23.37	23.35	
15	64QAM	75	0	23.42	23.42	23.38	
15	256QAM	1	0	21.32	21.37	21.38	22.5
15	256QAM	1	37	21.21	21.15	21.07	
15	256QAM	1	74	21.11	21.03	21.05	
15	256QAM	36	0	21.44	21.33	21.31	22.5
15	256QAM	36	20	21.31	21.28	21.37	
15	256QAM	36	39	21.29	21.31	21.28	



FCC SAR TEST REPORT

Report No. : FA380306C

15	256QAM	75	0	21.33	21.30	21.26	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.44	25.39	25.36	26.1
10	QPSK	1	25	25.47	25.42	25.46	
10	QPSK	1	49	25.41	25.41	25.35	
10	QPSK	25	0	25.37	25.40	25.31	26.1
10	QPSK	25	12	25.38	25.44	25.33	
10	QPSK	25	25	25.38	25.35	25.37	
10	QPSK	50	0	25.37	25.42	25.35	
10	16QAM	1	0	25.80	25.79	25.69	26.1
10	16QAM	1	25	25.18	25.23	25.14	
10	16QAM	1	49	25.27	25.30	25.25	
10	16QAM	25	0	24.38	24.36	24.42	25.5
10	16QAM	25	12	24.44	24.41	24.29	
10	16QAM	25	25	24.43	24.38	24.36	
10	16QAM	50	0	24.40	24.38	24.34	
10	64QAM	1	0	24.50	24.50	24.44	
10	64QAM	1	25	24.69	24.65	24.42	25.5
10	64QAM	1	49	24.58	24.51	24.16	
10	64QAM	25	0	23.44	23.37	23.41	
10	64QAM	25	12	23.44	23.39	23.32	24.5
10	64QAM	25	25	23.41	23.38	23.40	
10	64QAM	50	0	23.42	23.34	23.37	
10	256QAM	1	0	21.32	21.34	21.31	
10	256QAM	1	25	21.16	21.12	21.12	22.5
10	256QAM	1	49	21.15	21.07	20.97	
10	256QAM	25	0	21.43	21.32	21.26	
10	256QAM	25	12	21.33	21.30	21.36	22.5
10	256QAM	25	25	21.24	21.31	21.30	
10	256QAM	50	0	21.23	21.29	21.30	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)
5	QPSK	1	0	25.37	25.42	25.32	26.1
5	QPSK	1	12	25.44	25.48	25.44	
5	QPSK	1	24	25.42	25.39	25.39	
5	QPSK	12	0	25.38	25.42	25.32	26.1
5	QPSK	12	7	25.39	25.39	25.38	
5	QPSK	12	13	25.39	25.42	25.35	
5	QPSK	25	0	25.38	25.38	25.36	
5	16QAM	1	0	25.80	25.80	25.60	26.1
5	16QAM	1	12	25.16	25.21	25.13	
5	16QAM	1	24	25.35	25.33	25.31	
5	16QAM	12	0	24.41	24.39	24.32	25.5
5	16QAM	12	7	24.34	24.44	24.38	
5	16QAM	12	13	24.38	24.37	24.39	
5	16QAM	25	0	24.36	24.43	24.36	
5	64QAM	1	0	24.45	24.46	24.43	25.5
5	64QAM	1	12	24.62	24.59	24.42	
5	64QAM	1	24	24.50	24.51	24.20	
5	64QAM	12	0	23.40	23.43	23.33	
5	64QAM	12	7	23.40	23.46	23.40	24.5
5	64QAM	12	13	23.38	23.39	23.34	
5	64QAM	25	0	23.40	23.34	23.35	
5	256QAM	1	0	21.31	21.39	21.32	
5	256QAM	1	12	21.18	21.18	21.16	22.5
5	256QAM	1	24	21.12	21.05	21.06	
5	256QAM	12	0	21.37	21.37	21.35	
5	256QAM	12	7	21.33	21.33	21.38	22.5
5	256QAM	12	13	21.22	21.32	21.31	
5	256QAM	25	0	21.24	21.27	21.28	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.15	24.16	23.90	23.88	23.92	25.2
20	QPSK	1	49	24.08	24.15	23.82	23.81	23.83	
20	QPSK	1	99	24.14	24.15	23.88	23.87	23.91	
20	QPSK	50	0	22.06	22.20	21.88	21.85	21.91	23.2
20	QPSK	50	24	22.05	22.19	21.87	21.84	21.88	
20	QPSK	50	50	22.06	22.18	21.86	21.84	21.90	
20	QPSK	100	0	22.07	22.18	21.87	21.88	21.90	24.2
20	16QAM	1	0	23.27	23.39	22.90	22.83	22.97	
20	16QAM	1	49	23.15	23.31	22.75	22.70	22.85	
20	16QAM	1	99	23.22	23.35	22.87	22.85	22.93	21.7
20	16QAM	50	0	20.59	20.66	20.36	20.35	20.41	
20	16QAM	50	24	20.61	20.68	20.37	20.35	20.43	
20	16QAM	50	50	20.59	20.68	20.38	20.34	20.41	23.2
20	16QAM	100	0	20.60	20.66	20.39	20.37	20.42	
20	64QAM	1	0	21.92	21.78	21.81	21.64	21.83	
20	64QAM	1	49	21.83	21.73	21.75	21.57	21.69	21.2
20	64QAM	1	99	21.80	21.81	21.72	21.63	21.68	
20	64QAM	50	0	20.11	20.16	19.89	19.84	19.91	
20	64QAM	50	24	20.10	20.17	19.89	19.84	19.94	20.2
20	64QAM	50	50	20.10	20.18	19.86	19.85	19.91	
20	64QAM	100	0	20.08	20.15	19.85	19.85	19.87	
20	256QAM	1	0	18.93	18.61	18.71	18.57	18.51	19.2
20	256QAM	1	49	18.82	18.52	18.51	18.41	18.36	
20	256QAM	1	99	18.79	18.55	18.45	18.43	18.33	
20	256QAM	50	0	17.91	17.78	17.74	17.71	17.72	19.2
20	256QAM	50	24	17.88	17.75	17.69	17.65	17.67	
20	256QAM	50	50	17.82	17.72	17.63	17.62	17.64	
20	256QAM	100	0	17.79	17.68	17.67	17.61	17.62	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.08	24.05	23.84	23.83	23.88	25.20
15	QPSK	1	37	24.01	23.88	23.63	23.72	23.79	
15	QPSK	1	74	24.11	24.08	23.84	23.85	23.84	
15	QPSK	36	0	22.08	22.08	21.88	21.86	21.90	23.2
15	QPSK	36	20	22.06	22.07	21.88	21.84	21.88	
15	QPSK	36	39	22.07	22.09	21.87	21.86	21.90	
15	QPSK	75	0	22.08	22.08	21.85	21.87	21.89	24.2
15	16QAM	1	0	23.14	23.09	22.92	22.90	23.05	
15	16QAM	1	37	23.18	23.13	22.97	23.01	23.02	
15	16QAM	1	74	23.18	23.17	22.95	22.98	23.02	21.7
15	16QAM	36	0	20.60	20.55	20.38	20.34	20.39	
15	16QAM	36	20	20.57	20.55	20.37	20.32	20.40	
15	16QAM	36	39	20.59	20.56	20.37	20.34	20.39	23.2
15	16QAM	75	0	20.60	20.57	20.38	20.35	20.39	
15	64QAM	1	0	22.03	21.88	21.73	21.67	21.68	
15	64QAM	1	37	22.01	21.83	21.58	21.72	21.56	21.2
15	64QAM	1	74	21.98	21.89	21.69	21.69	21.63	
15	64QAM	36	0	20.10	20.06	19.89	19.84	19.92	
15	64QAM	36	20	20.08	20.02	19.89	19.83	19.90	20.2
15	64QAM	36	39	20.09	20.06	19.89	19.84	19.90	
15	64QAM	75	0	20.08	20.04	19.83	19.82	19.87	
15	256QAM	1	0	18.90	18.60	18.70	18.53	18.42	19.2
15	256QAM	1	37	18.79	18.52	18.46	18.34	18.32	
15	256QAM	1	74	18.75	18.49	18.45	18.43	18.29	
15	256QAM	36	0	17.91	17.77	17.67	17.66	17.70	19.2
15	256QAM	36	20	17.79	17.67	17.67	17.55	17.66	
15	256QAM	36	39	17.80	17.65	17.53	17.57	17.63	
15	256QAM	75	0	17.72	17.67	17.57	17.52	17.62	



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Channel				39700	40160	40620	41080	41540	Tune-up limit
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)
10	QPSK	1	0	24.02	24.02	23.83	23.81	23.86	25.20
10	QPSK	1	25	23.94	23.91	23.73	23.74	23.81	
10	QPSK	1	49	24.03	24.02	23.83	23.81	23.86	
10	QPSK	25	0	22.04	22.07	21.86	21.85	21.92	23.2
10	QPSK	25	12	22.01	22.07	21.85	21.85	21.89	
10	QPSK	25	25	22.04	22.08	21.86	21.84	21.91	
10	QPSK	50	0	21.99	22.07	21.85	21.81	21.89	24.2
10	16QAM	1	0	23.17	23.20	23.03	22.96	22.86	
10	16QAM	1	25	23.18	23.17	23.01	22.94	22.84	
10	16QAM	1	49	23.14	23.14	22.97	22.90	22.83	21.7
10	16QAM	25	0	20.66	20.60	20.44	20.39	20.49	
10	16QAM	25	12	20.61	20.60	20.43	20.39	20.49	
10	16QAM	25	25	20.64	20.61	20.42	20.41	20.48	23.2
10	16QAM	50	0	20.54	20.54	20.35	20.32	20.41	
10	64QAM	1	0	21.99	21.86	21.66	21.64	21.76	
10	64QAM	1	25	21.91	21.81	21.57	21.55	21.69	21.2
10	64QAM	1	49	21.97	21.93	21.66	21.62	21.73	
10	64QAM	25	0	20.06	20.04	19.86	19.83	19.90	
10	64QAM	25	12	20.05	20.03	19.84	19.85	19.89	20.2
10	64QAM	25	25	20.05	20.04	19.86	19.84	19.89	
10	64QAM	50	0	20.03	20.03	19.85	19.80	19.89	
10	256QAM	1	0	18.90	18.60	18.64	18.53	18.42	19.2
10	256QAM	1	25	18.79	18.52	18.47	18.34	18.32	
10	256QAM	1	49	18.75	18.49	18.52	18.43	18.29	
10	256QAM	25	0	17.91	17.77	17.70	17.66	17.70	20.2
10	256QAM	25	12	17.79	17.67	17.68	17.55	17.66	
10	256QAM	25	25	17.80	17.65	17.65	17.57	17.63	
10	256QAM	50	0	17.72	17.67	17.70	17.52	17.62	19.2
5	QPSK	1	0	24.04	24.02	23.82	23.80	23.85	
5	QPSK	1	12	24.06	24.09	23.82	23.80	23.81	
5	QPSK	1	24	24.06	24.06	23.85	23.81	23.87	25.20
5	QPSK	12	0	22.07	22.05	21.84	21.82	21.88	
5	QPSK	12	7	22.08	22.06	21.87	21.82	21.88	
5	QPSK	12	13	22.05	22.05	21.84	21.82	21.86	23.2
5	QPSK	25	0	21.99	22.04	21.80	21.82	21.88	
5	16QAM	1	0	23.20	23.14	22.96	22.83	22.82	
5	16QAM	1	12	23.29	23.22	23.03	22.85	22.93	24.2
5	16QAM	1	24	23.20	23.17	22.98	22.94	22.96	
5	16QAM	12	0	20.55	20.47	20.33	20.25	20.32	
5	16QAM	12	7	20.53	20.47	20.31	20.25	20.34	21.7
5	16QAM	12	13	20.53	20.45	20.31	20.27	20.33	
5	16QAM	25	0	20.59	20.56	20.38	20.36	20.41	
5	64QAM	1	0	21.98	21.82	21.66	21.55	21.68	23.2
5	64QAM	1	12	21.97	21.83	21.69	21.53	21.73	
5	64QAM	1	24	21.93	21.83	21.61	21.54	21.59	
5	64QAM	12	0	20.10	19.98	19.82	19.74	19.86	21.2
5	64QAM	12	7	20.08	20.02	19.84	19.74	19.86	
5	64QAM	12	13	20.07	19.99	19.81	19.76	19.82	
5	64QAM	25	0	20.04	20.04	19.83	19.79	19.89	20.2
5	256QAM	1	0	18.72	18.44	18.52	18.40	18.50	
5	256QAM	1	12	18.55	18.53	18.42	18.47	18.53	
5	256QAM	1	24	18.74	18.74	18.61	18.72	18.72	19.2
5	256QAM	12	0	17.77	17.76	17.71	17.79	17.76	
5	256QAM	12	7	17.85	17.81	17.73	17.85	17.82	
5	256QAM	12	13	17.79	17.79	17.72	17.83	17.77	19.2
5	256QAM	25	0	17.81	17.75	17.68	17.73	17.78	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.88	21.89	21.83	21.81	21.83	23.3
20	QPSK	1	49	21.85	21.80	21.80	21.80	21.81	
20	QPSK	1	99	21.86	21.85	21.82	21.80	21.82	
20	QPSK	50	0	21.82	21.86	21.62	21.62	21.64	23.2
20	QPSK	50	24	21.80	21.83	21.59	21.59	21.62	
20	QPSK	50	50	21.81	21.85	21.60	21.60	21.63	
20	QPSK	100	0	21.84	21.85	21.60	21.60	21.64	23.3
20	16QAM	1	0	21.93	21.89	21.69	21.61	21.72	
20	16QAM	1	49	21.80	21.83	21.65	21.52	21.65	
20	16QAM	1	99	21.88	21.89	21.64	21.57	21.63	21.7
20	16QAM	50	0	20.63	20.60	20.40	20.37	20.44	
20	16QAM	50	24	20.63	20.61	20.40	20.38	20.44	
20	16QAM	50	50	20.64	20.62	20.40	20.38	20.44	23.2
20	16QAM	100	0	20.66	20.63	20.42	20.39	20.46	
20	64QAM	1	0	21.72	21.62	21.42	21.26	21.48	
20	64QAM	1	49	21.68	21.65	21.43	21.25	21.46	21.2
20	64QAM	1	99	21.67	21.67	21.44	21.26	21.49	
20	64QAM	50	0	20.13	20.09	19.92	19.87	19.95	
20	64QAM	50	24	20.11	20.11	19.92	19.88	19.94	20.2
20	64QAM	50	50	20.10	20.13	19.91	19.86	19.94	
20	64QAM	100	0	20.14	20.12	19.90	19.87	19.95	
20	256QAM	1	0	18.93	18.59	18.68	18.52	18.41	19.2
20	256QAM	1	49	18.75	18.46	18.50	18.36	18.29	
20	256QAM	1	99	18.71	18.54	18.37	18.33	18.26	
20	256QAM	50	0	17.86	17.72	17.71	17.69	17.63	23.3
20	256QAM	50	24	17.84	17.73	17.63	17.62	17.61	
20	256QAM	50	50	17.81	17.65	17.53	17.60	17.56	
20	256QAM	100	0	17.70	17.59	17.65	17.58	17.54	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	21.79	21.79	21.63	21.53	21.55	23.30
15	QPSK	1	37	21.76	21.72	21.47	21.48	21.61	
15	QPSK	1	74	21.78	21.82	21.54	21.55	21.56	
15	QPSK	36	0	21.73	21.83	21.62	21.62	21.58	23.2
15	QPSK	36	20	21.74	21.79	21.50	21.49	21.55	
15	QPSK	36	39	21.81	21.84	21.50	21.53	21.53	
15	QPSK	75	0	21.81	21.78	21.59	21.54	21.54	23.3
15	16QAM	1	0	21.84	21.84	21.66	21.58	21.69	
15	16QAM	1	37	21.80	21.76	21.58	21.48	21.64	
15	16QAM	1	74	21.87	21.85	21.57	21.55	21.55	21.7
15	16QAM	36	0	20.56	20.57	20.39	20.30	20.37	
15	16QAM	36	20	20.62	20.51	20.35	20.36	20.40	
15	16QAM	36	39	20.55	20.53	20.34	20.38	20.39	23.2
15	16QAM	75	0	20.58	20.56	20.41	20.30	20.38	
15	64QAM	1	0	21.70	21.53	21.41	21.23	21.40	
15	64QAM	1	37	21.64	21.65	21.40	21.33	21.39	21.2
15	64QAM	1	74	21.65	21.61	21.44	21.25	21.47	
15	64QAM	36	0	20.11	20.09	19.84	19.79	19.85	
15	64QAM	36	20	20.10	20.08	19.84	19.85	19.92	20.2
15	64QAM	36	39	20.03	20.13	19.81	19.80	19.85	
15	64QAM	75	0	20.06	20.07	19.80	19.80	19.91	
15	256QAM	1	0	18.92	18.55	18.60	18.48	18.34	19.2
15	256QAM	1	37	18.65	18.38	18.42	18.27	18.27	
15	256QAM	1	74	18.68	18.54	18.33	18.23	18.28	
15	256QAM	36	0	17.85	17.72	17.65	17.63	17.53	
15	256QAM	36	20	17.82	17.71	17.58	17.61	17.58	
15	256QAM	36	39	17.74	17.62	17.45	17.52	17.49	
15	256QAM	75	0	17.69	17.54	17.63	17.58	17.53	



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Report No. : FA380306C

Channel				39700	40160	40620	41080	41540	Tune-up limit
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)
10	QPSK	1	0	21.86	21.87	21.57	21.56	21.59	23.30
10	QPSK	1	25	21.81	21.76	21.53	21.45	21.56	
10	QPSK	1	49	21.82	21.75	21.56	21.52	21.60	
10	QPSK	25	0	21.77	21.84	21.62	21.61	21.58	23.2
10	QPSK	25	12	21.78	21.78	21.54	21.52	21.57	
10	QPSK	25	25	21.71	21.84	21.56	21.58	21.55	
10	QPSK	50	0	21.82	21.77	21.57	21.55	21.56	23.3
10	16QAM	1	0	21.90	21.82	21.62	21.55	21.62	
10	16QAM	1	25	21.70	21.77	21.64	21.52	21.65	
10	16QAM	1	49	21.85	21.86	21.59	21.48	21.54	21.7
10	16QAM	25	0	20.54	20.54	20.31	20.27	20.44	
10	16QAM	25	12	20.58	20.54	20.33	20.30	20.42	
10	16QAM	25	25	20.58	20.58	20.32	20.28	20.34	23.2
10	16QAM	50	0	20.63	20.58	20.37	20.30	20.38	
10	64QAM	1	0	21.72	21.57	21.39	21.23	21.41	
10	64QAM	1	25	21.63	21.56	21.35	21.21	21.37	21.2
10	64QAM	1	49	21.58	21.61	21.44	21.29	21.43	
10	64QAM	25	0	20.07	20.00	19.87	19.80	19.93	
10	64QAM	25	12	20.02	20.01	19.88	19.88	19.84	20.2
10	64QAM	25	25	20.10	20.08	19.84	19.85	19.89	
10	64QAM	50	0	20.13	20.10	19.83	19.84	19.88	
10	256QAM	1	0	18.92	18.54	18.65	18.49	18.36	19.2
10	256QAM	1	25	18.73	18.44	18.43	18.35	18.20	
10	256QAM	1	49	18.67	18.46	18.35	18.33	18.25	
10	256QAM	25	0	17.86	17.64	17.67	17.60	17.62	23.30
10	256QAM	25	12	17.75	17.73	17.53	17.54	17.60	
10	256QAM	25	25	17.73	17.65	17.43	17.55	17.55	
10	256QAM	50	0	17.69	17.49	17.56	17.50	17.45	23.2
5	QPSK	1	0	21.84	21.88	21.54	21.60	21.59	
5	QPSK	1	12	21.78	21.79	21.53	21.55	21.58	
5	QPSK	1	24	21.86	21.85	21.60	21.50	21.56	23.2
5	QPSK	12	0	21.73	21.81	21.58	21.54	21.61	
5	QPSK	12	7	21.78	21.80	21.53	21.57	21.62	
5	QPSK	12	13	21.73	21.78	21.54	21.54	21.53	23.3
5	QPSK	25	0	21.74	21.76	21.60	21.50	21.62	
5	16QAM	1	0	21.86	21.83	21.66	21.53	21.65	
5	16QAM	1	12	21.75	21.83	21.65	21.45	21.59	21.7
5	16QAM	1	24	21.82	21.79	21.58	21.55	21.60	
5	16QAM	12	0	20.61	20.60	20.32	20.29	20.39	
5	16QAM	12	7	20.53	20.55	20.39	20.28	20.37	23.2
5	16QAM	12	13	20.63	20.52	20.30	20.33	20.35	
5	16QAM	25	0	20.61	20.61	20.37	20.29	20.43	
5	64QAM	1	0	21.65	21.62	21.34	21.24	21.39	21.2
5	64QAM	1	12	21.61	21.57	21.37	21.23	21.41	
5	64QAM	1	24	21.62	21.57	21.42	21.28	21.45	
5	64QAM	12	0	20.04	20.03	19.82	19.85	19.86	20.2
5	64QAM	12	7	20.07	20.10	19.90	19.83	19.86	
5	64QAM	12	13	20.01	20.12	19.89	19.83	19.84	
5	64QAM	25	0	20.14	20.05	19.89	19.87	19.86	19.2
5	256QAM	1	0	18.84	18.51	18.68	18.43	18.33	
5	256QAM	1	12	18.74	18.43	18.49	18.26	18.25	
5	256QAM	1	24	18.67	18.51	18.36	18.29	18.26	19.2
5	256QAM	12	0	17.81	17.71	17.67	17.61	17.61	
5	256QAM	12	7	17.74	17.65	17.53	17.61	17.54	
5	256QAM	12	13	17.72	17.59	17.48	17.60	17.50	19.2
5	256QAM	25	0	17.65	17.54	17.60	17.58	17.53	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.15	24.16	23.90	23.88	23.92	24.2
20	QPSK	1	49	24.08	24.15	23.82	23.81	23.83	
20	QPSK	1	99	24.14	24.15	23.88	23.87	23.91	
20	QPSK	50	0	22.06	22.20	21.88	21.85	21.91	23.2
20	QPSK	50	24	22.05	22.19	21.87	21.84	21.88	
20	QPSK	50	50	22.06	22.18	21.86	21.84	21.90	
20	QPSK	100	0	22.07	22.18	21.87	21.88	21.90	24.2
20	16QAM	1	0	23.27	23.39	22.90	22.83	22.97	
20	16QAM	1	49	23.15	23.31	22.75	22.70	22.85	
20	16QAM	1	99	23.22	23.35	22.87	22.85	22.93	21.7
20	16QAM	50	0	20.59	20.66	20.36	20.35	20.41	
20	16QAM	50	24	20.61	20.68	20.37	20.35	20.43	
20	16QAM	50	50	20.59	20.68	20.38	20.34	20.41	23.2
20	16QAM	100	0	20.60	20.66	20.39	20.37	20.42	
20	64QAM	1	0	21.92	21.78	21.81	21.64	21.83	
20	64QAM	1	49	21.83	21.73	21.75	21.57	21.69	21.2
20	64QAM	1	99	21.80	21.81	21.72	21.63	21.68	
20	64QAM	50	0	20.11	20.16	19.89	19.84	19.91	
20	64QAM	50	24	20.10	20.17	19.89	19.84	19.94	20.2
20	64QAM	50	50	20.10	20.18	19.86	19.85	19.91	
20	64QAM	100	0	20.08	20.15	19.85	19.85	19.87	
20	256QAM	1	0	18.93	18.61	18.71	18.57	18.51	19.2
20	256QAM	1	49	18.82	18.52	18.51	18.41	18.36	
20	256QAM	1	99	18.79	18.55	18.45	18.43	18.33	
20	256QAM	50	0	17.91	17.78	17.74	17.71	17.72	24.2
20	256QAM	50	24	17.88	17.75	17.69	17.65	17.67	
20	256QAM	50	50	17.82	17.72	17.63	17.62	17.64	
20	256QAM	100	0	17.79	17.68	17.67	17.61	17.62	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.08	24.05	23.84	23.83	23.88	24.20
15	QPSK	1	37	24.01	23.88	23.63	23.72	23.79	
15	QPSK	1	74	24.11	24.08	23.84	23.85	23.84	
15	QPSK	36	0	22.08	22.08	21.88	21.86	21.90	23.2
15	QPSK	36	20	22.06	22.07	21.88	21.84	21.88	
15	QPSK	36	39	22.07	22.09	21.87	21.86	21.90	
15	QPSK	75	0	22.08	22.08	21.85	21.87	21.89	24.2
15	16QAM	1	0	23.14	23.09	22.92	22.90	23.05	
15	16QAM	1	37	23.18	23.13	22.97	23.01	23.02	
15	16QAM	1	74	23.18	23.17	22.95	22.98	23.02	21.7
15	16QAM	36	0	20.60	20.55	20.38	20.34	20.39	
15	16QAM	36	20	20.57	20.55	20.37	20.32	20.40	
15	16QAM	36	39	20.59	20.56	20.37	20.34	20.39	23.2
15	16QAM	75	0	20.60	20.57	20.38	20.35	20.39	
15	64QAM	1	0	22.03	21.88	21.73	21.67	21.68	
15	64QAM	1	37	22.01	21.83	21.58	21.72	21.56	21.2
15	64QAM	1	74	21.98	21.89	21.69	21.69	21.63	
15	64QAM	36	0	20.10	20.06	19.89	19.84	19.92	
15	64QAM	36	20	20.08	20.02	19.89	19.83	19.90	20.2
15	64QAM	36	39	20.09	20.06	19.89	19.84	19.90	
15	64QAM	75	0	20.08	20.04	19.83	19.82	19.87	
15	256QAM	1	0	18.90	18.60	18.70	18.53	18.42	19.2
15	256QAM	1	37	18.79	18.52	18.46	18.34	18.32	
15	256QAM	1	74	18.75	18.49	18.45	18.43	18.29	
15	256QAM	36	0	17.91	17.77	17.67	17.66	17.70	
15	256QAM	36	20	17.79	17.67	17.67	17.55	17.66	
15	256QAM	36	39	17.80	17.65	17.53	17.57	17.63	
15	256QAM	75	0	17.72	17.67	17.57	17.52	17.62	



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Channel				39700	40160	40620	41080	41540	Tune-up limit	
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	
10	QPSK	1	0	24.02	24.02	23.83	23.81	23.86	24.20	
10	QPSK	1	25	23.94	23.91	23.73	23.74	23.81		
10	QPSK	1	49	24.03	24.02	23.83	23.81	23.86		
10	QPSK	25	0	22.04	22.07	21.86	21.85	21.92	23.2	
10	QPSK	25	12	22.01	22.07	21.85	21.85	21.89		
10	QPSK	25	25	22.04	22.08	21.86	21.84	21.91		
10	QPSK	50	0	21.99	22.07	21.85	21.81	21.89	24.2	
10	16QAM	1	0	23.17	23.20	23.03	22.96	22.86		
10	16QAM	1	25	23.18	23.17	23.01	22.94	22.84		
10	16QAM	1	49	23.14	23.14	22.97	22.90	22.83	21.7	
10	16QAM	25	0	20.66	20.60	20.44	20.39	20.49		
10	16QAM	25	12	20.61	20.60	20.43	20.39	20.49		
10	16QAM	25	25	20.64	20.61	20.42	20.41	20.48	23.2	
10	16QAM	50	0	20.54	20.54	20.35	20.32	20.41		
10	64QAM	1	0	21.99	21.86	21.66	21.64	21.76		
10	64QAM	1	25	21.91	21.81	21.57	21.55	21.69	21.2	
10	64QAM	1	49	21.97	21.93	21.66	21.62	21.73		
10	64QAM	25	0	20.06	20.04	19.86	19.83	19.90		
10	64QAM	25	12	20.05	20.03	19.84	19.85	19.89	20.2	
10	64QAM	25	25	20.05	20.04	19.86	19.84	19.89		
10	64QAM	50	0	20.03	20.03	19.85	19.80	19.89		
10	256QAM	1	0	18.90	18.60	18.64	18.53	18.42	19.2	
10	256QAM	1	25	18.79	18.52	18.47	18.34	18.32		
10	256QAM	1	49	18.75	18.49	18.52	18.43	18.29		
10	256QAM	25	0	17.91	17.77	17.70	17.66	17.70	24.20	
10	256QAM	25	12	17.79	17.67	17.68	17.55	17.66		
10	256QAM	25	25	17.80	17.65	17.65	17.57	17.63		
10	256QAM	50	0	17.72	17.67	17.70	17.52	17.62	23.2	
Channel				39675	40148	40620	41093	41565		Tune-up limit
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		(dBm)
5	QPSK	1	0	24.04	24.02	23.82	23.80	23.85	24.20	
5	QPSK	1	12	24.06	24.09	23.82	23.80	23.81		
5	QPSK	1	24	24.06	24.06	23.85	23.81	23.87		
5	QPSK	12	0	22.07	22.05	21.84	21.82	21.88	23.2	
5	QPSK	12	7	22.08	22.06	21.87	21.82	21.88		
5	QPSK	12	13	22.05	22.05	21.84	21.82	21.86		
5	QPSK	25	0	21.99	22.04	21.80	21.82	21.88	24.2	
5	16QAM	1	0	23.20	23.14	22.96	22.83	22.82		
5	16QAM	1	12	23.29	23.22	23.03	22.85	22.93		
5	16QAM	1	24	23.20	23.17	22.98	22.94	22.96	21.7	
5	16QAM	12	0	20.55	20.47	20.33	20.25	20.32		
5	16QAM	12	7	20.53	20.47	20.31	20.25	20.34		
5	16QAM	12	13	20.53	20.45	20.31	20.27	20.33	23.2	
5	16QAM	25	0	20.59	20.56	20.38	20.36	20.41		
5	64QAM	1	0	21.98	21.82	21.66	21.55	21.68		
5	64QAM	1	12	21.97	21.83	21.69	21.53	21.73	21.2	
5	64QAM	1	24	21.93	21.83	21.61	21.54	21.59		
5	64QAM	12	0	20.10	19.98	19.82	19.74	19.86		
5	64QAM	12	7	20.08	20.02	19.84	19.74	19.86	20.2	
5	64QAM	12	13	20.07	19.99	19.81	19.76	19.82		
5	64QAM	25	0	20.04	20.04	19.83	19.79	19.89		
5	256QAM	1	0	18.72	18.44	18.52	18.40	18.50	19.2	
5	256QAM	1	12	18.55	18.53	18.42	18.47	18.53		
5	256QAM	1	24	18.74	18.74	18.61	18.72	18.72		
5	256QAM	12	0	17.77	17.76	17.71	17.79	17.76	19.2	
5	256QAM	12	7	17.85	17.81	17.73	17.85	17.82		
5	256QAM	12	13	17.79	17.79	17.72	17.83	17.77		
5	256QAM	25	0	17.81	17.75	17.68	17.73	17.78		



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.30	23.31	23.21	23.20	23.21	25.1
20	QPSK	1	49	23.30	23.14	23.12	23.13	23.11	
20	QPSK	1	99	23.29	23.21	23.17	23.18	23.15	
20	QPSK	50	0	22.73	22.74	22.64	22.60	22.62	23.7
20	QPSK	50	24	22.72	22.73	22.63	22.59	22.59	
20	QPSK	50	50	22.70	22.70	22.61	22.60	22.59	
20	QPSK	100	0	22.70	22.75	22.60	22.62	22.64	24.7
20	16QAM	1	0	23.50	23.39	23.15	23.17	23.24	
20	16QAM	1	49	23.44	23.22	23.02	23.03	23.05	
20	16QAM	1	99	23.46	23.31	23.08	23.10	23.11	22.2
20	16QAM	50	0	21.34	21.23	21.12	21.10	21.13	
20	16QAM	50	24	21.33	21.23	21.13	21.12	21.13	
20	16QAM	50	50	21.33	21.26	21.13	21.10	21.10	23.7
20	16QAM	100	0	21.39	21.24	21.13	21.10	21.12	
20	64QAM	1	0	22.79	22.49	22.42	22.54	22.54	
20	64QAM	1	49	22.66	22.45	22.34	22.51	22.50	21.7
20	64QAM	1	99	22.69	22.47	22.38	22.49	22.52	
20	64QAM	50	0	20.84	20.72	20.61	20.60	20.63	
20	64QAM	50	24	20.84	20.72	20.63	20.61	20.64	20.7
20	64QAM	50	50	20.83	20.73	20.62	20.58	20.61	
20	64QAM	100	0	20.85	20.72	20.60	20.59	20.61	
20	256QAM	1	0	19.50	19.55	19.45	19.27	19.35	19.7
20	256QAM	1	49	19.32	19.35	19.32	19.15	19.15	
20	256QAM	1	99	19.32	19.46	19.15	19.05	19.11	
20	256QAM	50	0	18.73	18.66	18.40	18.52	18.48	19.7
20	256QAM	50	24	18.67	18.62	18.38	18.49	18.38	
20	256QAM	50	50	18.58	18.70	18.30	18.41	18.39	
20	256QAM	100	0	18.57	18.56	18.31	18.36	18.41	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.27	23.27	23.14	23.11	23.21	25.10
15	QPSK	1	37	23.27	23.11	23.17	23.10	23.17	
15	QPSK	1	74	23.26	23.16	23.11	23.12	23.20	
15	QPSK	36	0	22.69	22.64	22.58	22.58	22.57	23.7
15	QPSK	36	20	22.64	22.73	22.57	22.55	22.49	
15	QPSK	36	39	22.62	22.66	22.53	22.58	22.58	
15	QPSK	75	0	22.61	22.73	22.50	22.60	22.61	24.7
15	16QAM	1	0	23.43	23.39	23.13	23.15	23.21	
15	16QAM	1	37	23.40	23.13	22.99	22.94	22.95	
15	16QAM	1	74	23.37	23.22	23.08	23.06	23.03	22.2
15	16QAM	36	0	21.28	21.20	21.11	21.06	21.09	
15	16QAM	36	20	21.25	21.16	21.05	21.09	21.06	
15	16QAM	36	39	21.30	21.26	21.11	21.06	21.07	23.7
15	16QAM	75	0	21.36	21.16	21.04	21.09	21.04	
15	64QAM	1	0	22.75	22.43	22.41	22.50	22.47	
15	64QAM	1	37	22.63	22.37	22.33	22.43	22.47	21.7
15	64QAM	1	74	22.62	22.47	22.34	22.41	22.48	
15	64QAM	36	0	20.80	20.64	20.57	20.54	20.54	
15	64QAM	36	20	20.83	20.63	20.61	20.54	20.61	20.7
15	64QAM	36	39	20.79	20.71	20.54	20.52	20.58	
15	64QAM	75	0	20.80	20.69	20.57	20.56	20.57	
15	256QAM	1	0	19.41	19.45	19.42	19.23	19.27	19.7
15	256QAM	1	37	19.29	19.34	19.30	19.05	19.15	
15	256QAM	1	74	19.25	19.38	19.10	19.05	19.06	
15	256QAM	36	0	18.72	18.66	18.33	18.46	18.44	
15	256QAM	36	20	18.67	18.53	18.30	18.43	18.34	
15	256QAM	36	39	18.48	18.67	18.23	18.39	18.35	
15	256QAM	75	0	18.54	18.52	18.24	18.28	18.38	



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Channel				39700	40160	40620	41080	41540	Tune-up limit	
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	
10	QPSK	1	0	23.26	23.23	23.16	23.10	23.21	25.10	
10	QPSK	1	25	23.29	23.10	23.15	23.13	23.20		
10	QPSK	1	49	23.28	23.18	23.13	23.13	23.11		
10	QPSK	25	0	22.73	22.74	22.56	22.55	22.56	23.7	
10	QPSK	25	12	22.65	22.65	22.57	22.53	22.55		
10	QPSK	25	25	22.66	22.70	22.55	22.55	22.54		
10	QPSK	50	0	22.61	22.68	22.52	22.59	22.55	24.7	
10	16QAM	1	0	23.47	23.35	23.15	23.10	23.18		
10	16QAM	1	25	23.38	23.12	22.94	23.03	23.02		
10	16QAM	1	49	23.44	23.28	23.00	23.09	23.03	22.2	
10	16QAM	25	0	21.26	21.15	21.05	21.05	21.04		
10	16QAM	25	12	21.27	21.19	21.07	21.07	21.05		
10	16QAM	25	25	21.26	21.22	21.04	21.03	21.10	23.7	
10	16QAM	50	0	21.33	21.16	21.07	21.02	21.04		
10	64QAM	1	0	22.72	22.41	22.36	22.50	22.51		
10	64QAM	1	25	22.66	22.45	22.26	22.46	22.42	21.7	
10	64QAM	1	49	22.65	22.39	22.28	22.49	22.52		
10	64QAM	25	0	20.78	20.64	20.57	20.57	20.58		
10	64QAM	25	12	20.84	20.68	20.54	20.53	20.61	20.7	
10	64QAM	25	25	20.77	20.69	20.59	20.57	20.55		
10	64QAM	50	0	20.77	20.67	20.59	20.57	20.51		
10	256QAM	1	0	19.46	19.49	19.36	19.27	19.29	19.7	
10	256QAM	1	25	19.31	19.27	19.23	19.13	19.15		
10	256QAM	1	49	19.32	19.42	19.13	18.97	19.02		
10	256QAM	25	0	18.71	18.63	18.31	18.47	18.42	20.7	
10	256QAM	25	12	18.62	18.62	18.33	18.43	18.37		
10	256QAM	25	25	18.58	18.64	18.24	18.37	18.30		
10	256QAM	50	0	18.57	18.55	18.26	18.35	18.35	19.7	
Channel				39675	40148	40620	41093	41565		Tune-up limit
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		(dBm)
5	QPSK	1	0	23.29	23.21	23.14	23.13	23.17	25.10	
5	QPSK	1	12	23.30	23.12	23.16	23.13	23.18		
5	QPSK	1	24	23.19	23.14	23.12	23.16	23.20		
5	QPSK	12	0	22.70	22.66	22.58	22.59	22.57	23.7	
5	QPSK	12	7	22.63	22.66	22.63	22.49	22.51		
5	QPSK	12	13	22.68	22.70	22.59	22.55	22.51		
5	QPSK	25	0	22.68	22.69	22.54	22.60	22.54	24.7	
5	16QAM	1	0	23.47	23.33	23.05	23.12	23.17		
5	16QAM	1	12	23.35	23.14	22.92	22.96	22.97		
5	16QAM	1	24	23.37	23.23	23.07	23.06	23.01	22.2	
5	16QAM	12	0	21.34	21.18	21.11	21.10	21.10		
5	16QAM	12	7	21.29	21.16	21.11	21.04	21.07		
5	16QAM	12	13	21.31	21.23	21.09	21.07	21.09	23.7	
5	16QAM	25	0	21.30	21.20	21.09	21.09	21.10		
5	64QAM	1	0	22.75	22.49	22.39	22.45	22.49		
5	64QAM	1	12	22.66	22.36	22.28	22.42	22.41	21.7	
5	64QAM	1	24	22.60	22.37	22.29	22.46	22.42		
5	64QAM	12	0	20.76	20.69	20.57	20.51	20.62		
5	64QAM	12	7	20.81	20.67	20.62	20.53	20.64	20.7	
5	64QAM	12	13	20.75	20.71	20.58	20.56	20.59		
5	64QAM	25	0	20.82	20.64	20.55	20.50	20.57		
5	256QAM	1	0	19.41	19.49	19.38	19.23	19.33	19.7	
5	256QAM	1	12	19.24	19.25	19.29	19.05	19.11		
5	256QAM	1	24	19.32	19.46	19.09	18.95	19.05		
5	256QAM	12	0	18.69	18.58	18.34	18.45	18.46	19.7	
5	256QAM	12	7	18.62	18.60	18.29	18.49	18.34		
5	256QAM	12	13	18.55	18.64	18.28	18.39	18.29		
5	256QAM	25	0	18.57	18.50	18.28	18.29	18.32		



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.80	22.81	22.69	22.61	22.69	23.1
20	QPSK	1	49	22.76	22.56	22.61	22.59	22.61	
20	QPSK	1	99	22.76	22.63	22.61	22.60	22.63	
20	QPSK	50	0	22.68	22.72	22.56	22.58	22.58	23.1
20	QPSK	50	24	22.64	22.71	22.55	22.54	22.58	
20	QPSK	50	50	22.67	22.68	22.54	22.58	22.54	
20	QPSK	100	0	22.63	22.67	22.55	22.62	22.62	23.1
20	16QAM	1	0	22.95	22.88	22.58	22.59	22.66	
20	16QAM	1	49	22.86	22.65	22.46	22.52	22.54	
20	16QAM	1	99	22.88	22.71	22.48	22.58	22.59	22.2
20	16QAM	50	0	21.27	21.14	21.06	21.10	21.07	
20	16QAM	50	24	21.33	21.16	21.03	21.10	21.13	
20	16QAM	50	50	21.28	21.25	21.10	21.03	21.03	23.1
20	16QAM	100	0	21.36	21.18	21.13	21.05	21.08	
20	64QAM	1	0	22.71	22.49	22.39	22.44	22.47	
20	64QAM	1	49	22.60	22.42	22.25	22.44	22.44	21.7
20	64QAM	1	99	22.67	22.44	22.35	22.47	22.51	
20	64QAM	50	0	20.74	20.65	20.51	20.54	20.60	
20	64QAM	50	24	20.79	20.65	20.63	20.59	20.54	20.7
20	64QAM	50	50	20.81	20.72	20.52	20.58	20.58	
20	64QAM	100	0	20.83	20.63	20.59	20.58	20.54	
20	256QAM	1	0	19.48	19.55	19.40	19.22	19.35	19.7
20	256QAM	1	49	19.23	19.34	19.29	19.08	19.05	
20	256QAM	1	99	19.24	19.45	19.09	18.95	19.06	
20	256QAM	50	0	18.65	18.62	18.33	18.46	18.40	19.7
20	256QAM	50	24	18.61	18.61	18.33	18.49	18.28	
20	256QAM	50	50	18.49	18.70	18.20	18.32	18.30	
20	256QAM	100	0	18.56	18.55	18.30	18.32	18.31	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.68	22.69	22.63	22.60	22.62	23.10
15	QPSK	1	37	22.74	22.51	22.65	22.60	22.61	
15	QPSK	1	74	22.70	22.56	22.54	22.57	22.63	
15	QPSK	36	0	22.65	22.64	22.56	22.55	22.53	23.1
15	QPSK	36	20	22.54	22.69	22.49	22.47	22.45	
15	QPSK	36	39	22.56	22.62	22.51	22.48	22.53	
15	QPSK	75	0	22.60	22.72	22.44	22.52	22.56	23.1
15	16QAM	1	0	22.89	22.86	22.61	22.56	22.62	
15	16QAM	1	37	22.88	22.59	22.47	22.35	22.45	
15	16QAM	1	74	22.86	22.71	22.57	22.50	22.51	22.2
15	16QAM	36	0	21.22	21.13	21.04	21.01	21.06	
15	16QAM	36	20	21.19	21.11	21.05	21.08	20.97	
15	16QAM	36	39	21.24	21.19	21.11	21.04	21.06	23.1
15	16QAM	75	0	21.26	21.06	20.99	21.05	20.94	
15	64QAM	1	0	22.67	22.35	22.37	22.47	22.45	
15	64QAM	1	37	22.63	22.30	22.31	22.33	22.44	21.7
15	64QAM	1	74	22.62	22.37	22.32	22.32	22.41	
15	64QAM	36	0	20.78	20.58	20.50	20.48	20.52	
15	64QAM	36	20	20.73	20.62	20.60	20.54	20.60	20.7
15	64QAM	36	39	20.73	20.64	20.49	20.49	20.58	
15	64QAM	75	0	20.70	20.67	20.50	20.56	20.55	
15	256QAM	1	0	19.37	19.44	19.39	19.21	19.25	19.7
15	256QAM	1	37	19.24	19.26	19.29	18.96	19.10	
15	256QAM	1	74	19.18	19.38	19.02	19.01	19.02	
15	256QAM	36	0	18.72	18.58	18.27	18.38	18.41	
15	256QAM	36	20	18.61	18.51	18.30	18.35	18.30	
15	256QAM	36	39	18.38	18.62	18.19	18.34	18.25	
15	256QAM	75	0	18.45	18.42	18.16	18.27	18.33	



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Channel				39700	40160	40620	41080	41540	Tune-up limit
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)
10	QPSK	1	0	22.68	22.65	22.58	22.55	22.68	23.10
10	QPSK	1	25	22.76	22.57	22.58	22.60	22.60	
10	QPSK	1	49	22.74	22.67	22.57	22.61	22.51	
10	QPSK	25	0	22.68	22.66	22.54	22.48	22.48	23.1
10	QPSK	25	12	22.55	22.64	22.54	22.48	22.52	
10	QPSK	25	25	22.58	22.61	22.51	22.52	22.54	
10	QPSK	50	0	22.52	22.63	22.45	22.54	22.54	23.1
10	16QAM	1	0	22.93	22.75	22.59	22.52	22.59	
10	16QAM	1	25	22.88	22.52	22.34	22.46	22.46	
10	16QAM	1	49	22.89	22.70	22.49	22.51	22.44	22.2
10	16QAM	25	0	21.21	21.06	21.03	20.97	21.00	
10	16QAM	25	12	21.23	21.10	21.01	21.02	21.03	
10	16QAM	25	25	21.25	21.14	20.98	20.94	21.01	23.1
10	16QAM	50	0	21.27	21.07	21.04	20.98	21.01	
10	64QAM	1	0	22.67	22.37	22.30	22.46	22.46	
10	64QAM	1	25	22.64	22.38	22.25	22.38	22.36	21.7
10	64QAM	1	49	22.61	22.29	22.23	22.48	22.43	
10	64QAM	25	0	20.71	20.64	20.53	20.50	20.49	
10	64QAM	25	12	20.77	20.62	20.50	20.44	20.52	20.7
10	64QAM	25	25	20.67	20.63	20.55	20.56	20.53	
10	64QAM	50	0	20.74	20.60	20.58	20.56	20.49	
10	256QAM	1	0	19.36	19.45	19.29	19.22	19.21	19.7
10	256QAM	1	25	19.26	19.22	19.17	19.11	19.09	
10	256QAM	1	49	19.25	19.42	19.11	18.88	18.97	
10	256QAM	25	0	18.71	18.62	18.26	18.44	18.41	23.10
10	256QAM	25	12	18.62	18.61	18.24	18.39	18.27	
10	256QAM	25	25	18.49	18.54	18.23	18.32	18.27	
10	256QAM	50	0	18.53	18.51	18.17	18.35	18.31	23.1
5	QPSK	1	0	22.79	22.68	22.64	22.53	22.67	
5	QPSK	1	12	22.74	22.56	22.59	22.54	22.59	
5	QPSK	1	24	22.61	22.54	22.53	22.64	22.65	23.1
5	QPSK	12	0	22.63	22.63	22.48	22.57	22.52	
5	QPSK	12	7	22.58	22.63	22.54	22.49	22.43	
5	QPSK	12	13	22.67	22.66	22.55	22.51	22.46	23.1
5	QPSK	25	0	22.68	22.64	22.45	22.58	22.47	
5	16QAM	1	0	22.95	22.79	22.50	22.53	22.66	
5	16QAM	1	12	22.75	22.55	22.32	22.42	22.47	22.2
5	16QAM	1	24	22.82	22.64	22.47	22.53	22.45	
5	16QAM	12	0	21.25	21.10	21.10	21.01	21.10	
5	16QAM	12	7	21.20	21.12	21.03	20.99	21.01	23.1
5	16QAM	12	13	21.21	21.19	21.06	21.02	21.09	
5	16QAM	25	0	21.24	21.11	21.07	21.06	21.07	
5	64QAM	1	0	22.68	22.41	22.32	22.42	22.46	21.7
5	64QAM	1	12	22.63	22.31	22.22	22.40	22.38	
5	64QAM	1	24	22.57	22.27	22.20	22.43	22.39	
5	64QAM	12	0	20.74	20.59	20.49	20.44	20.56	20.7
5	64QAM	12	7	20.76	20.66	20.52	20.47	20.63	
5	64QAM	12	13	20.67	20.61	20.58	20.48	20.57	
5	64QAM	25	0	20.79	20.54	20.53	20.40	20.57	19.7
5	256QAM	1	0	19.33	19.40	19.33	19.16	19.30	
5	256QAM	1	12	19.21	19.24	19.25	18.99	19.09	
5	256QAM	1	24	19.23	19.37	19.06	18.90	19.01	19.7
5	256QAM	12	0	18.67	18.53	18.27	18.42	18.45	
5	256QAM	12	7	18.62	18.50	18.19	18.42	18.26	
5	256QAM	12	13	18.47	18.59	18.26	18.33	18.23	19.7
5	256QAM	25	0	18.57	18.50	18.18	18.23	18.29	