



Appendix D-1. Output Power Measurement

GSM850_Ant 0_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	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.04	32.18	32.28	33.50	23.04	23.18	23.28	24.50
GPRS 1 Tx slot	32.05	32.19	32.31	33.50	23.05	23.19	23.31	24.50
GPRS 2 Tx slots	29.80	29.68	29.79	31.70	23.80	23.68	23.79	25.70
GPRS 3 Tx slots	28.09	27.83	28.02	29.90	23.83	23.57	23.76	25.64
GPRS 4 Tx slots	27.06	27.11	27.10	28.70	24.06	24.11	24.10	25.70
EDGE 1 Tx slot	26.89	26.75	27.00	28.00	17.89	17.75	18.00	19.00
EDGE 2 Tx slots	25.99	26.14	26.18	27.50	19.99	20.14	20.18	21.50
EDGE 3 Tx slots	25.95	26.06	25.99	27.50	21.69	21.80	21.73	23.24
EDGE 4 Tx slots	24.27	24.22	24.21	25.50	21.27	21.22	21.21	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	32.04	32.18	32.28	33.50	23.04	23.18	23.28	24.50
GPRS 1 Tx slot	32.05	32.19	32.31	33.50	23.05	23.19	23.31	24.50
GPRS 2 Tx slots	29.80	29.68	29.79	31.00	23.80	23.68	23.79	25.00
GPRS 3 Tx slots	28.09	27.83	28.02	29.20	23.83	23.57	23.76	24.94
GPRS 4 Tx slots	27.06	27.11	27.10	28.00	24.06	24.11	24.10	25.00
EDGE 1 Tx slot	26.89	26.75	27.00	28.00	17.89	17.75	18.00	19.00
EDGE 2 Tx slots	25.99	26.14	26.18	27.50	19.99	20.14	20.18	21.50
EDGE 3 Tx slots	25.95	26.06	25.99	27.50	21.69	21.80	21.73	23.24
EDGE 4 Tx slots	24.27	24.22	24.21	25.50	21.27	21.22	21.21	22.50

GSM850_Ant 0_Index 4	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	32.04	32.18	32.28	33.50	23.04	23.18	23.28	24.50
GPRS 1 Tx slot	32.05	32.19	32.31	33.50	23.05	23.19	23.31	24.50
GPRS 2 Tx slots	29.80	29.68	29.79	30.70	23.80	23.68	23.79	24.70
GPRS 3 Tx slots	28.09	27.83	28.02	28.90	23.83	23.57	23.76	24.64
GPRS 4 Tx slots	27.06	27.11	27.10	27.70	24.06	24.11	24.10	24.70
EDGE 1 Tx slot	26.89	26.75	27.00	28.00	17.89	17.75	18.00	19.00
EDGE 2 Tx slots	25.99	26.14	26.18	27.50	19.99	20.14	20.18	21.50
EDGE 3 Tx slots	25.95	26.06	25.99	27.50	21.69	21.80	21.73	23.24
EDGE 4 Tx slots	24.27	24.22	24.21	25.50	21.27	21.22	21.21	22.50



GSM850_Ant 0_Index 5	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
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	32.04	32.18	32.28	33.50	23.04	23.18	23.28	24.50
GPRS 1 Tx slot	32.05	32.19	32.31	33.50	23.05	23.19	23.31	24.50
GPRS 2 Tx slots	31.23	31.10	31.19	32.40	25.23	25.10	25.19	26.40
GPRS 3 Tx slots	28.90	28.86	28.88	30.60	24.64	24.60	24.62	26.34
GPRS 4 Tx slots	28.02	28.07	28.09	29.40	25.02	25.07	25.09	26.40
EDGE 1 Tx slot	26.89	26.75	27.00	28.00	17.89	17.75	18.00	19.00
EDGE 2 Tx slots	25.99	26.14	26.18	27.50	19.99	20.14	20.18	21.50
EDGE 3 Tx slots	25.95	26.06	25.99	27.50	21.69	21.80	21.73	23.24
EDGE 4 Tx slots	24.27	24.22	24.21	25.50	21.27	21.22	21.21	22.50

GSM850_Ant 0_Index 6	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
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	32.04	32.18	32.28	33.50	23.04	23.18	23.28	24.50
GPRS 1 Tx slot	32.05	32.19	32.31	33.50	23.05	23.19	23.31	24.50
GPRS 2 Tx slots	31.23	31.10	31.19	31.70	25.23	25.10	25.19	25.70
GPRS 3 Tx slots	28.90	28.86	28.88	29.90	24.64	24.60	24.62	25.64
GPRS 4 Tx slots	28.02	28.07	28.09	28.70	25.02	25.07	25.09	25.70
EDGE 1 Tx slot	26.89	26.75	27.00	28.00	17.89	17.75	18.00	19.00
EDGE 2 Tx slots	25.99	26.14	26.18	27.50	19.99	20.14	20.18	21.50
EDGE 3 Tx slots	25.95	26.06	25.99	27.50	21.69	21.80	21.73	23.24
EDGE 4 Tx slots	24.27	24.22	24.21	25.50	21.27	21.22	21.21	22.50



GSM850_Ant 1_Index 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	Frequency (MHz)	824.2	836.4		848.8	824.2	836.4	
GSM 1 Tx slot	29.62	29.89	29.82	30.90	20.62	20.89	20.82	21.90
GPRS 1 Tx slot	29.62	29.89	29.85	30.90	20.62	20.89	20.85	21.90
GPRS 2 Tx slots	26.84	26.39	26.31	27.90	20.84	20.39	20.31	21.90
GPRS 3 Tx slots	24.80	24.61	24.52	26.10	20.54	20.35	20.26	21.84
GPRS 4 Tx slots	24.10	24.10	23.74	24.90	21.10	21.10	20.74	21.90
EDGE 1 Tx slot	26.42	26.22	26.15	27.50	17.42	17.22	17.15	18.50
EDGE 2 Tx slots	25.55	25.48	25.54	27.00	19.55	19.48	19.54	21.00
EDGE 3 Tx slots	24.77	24.50	24.52	26.10	20.51	20.24	20.26	21.84
EDGE 4 Tx slots	23.88	23.60	23.35	24.90	20.88	20.60	20.35	21.90

GSM850_Ant 1_Index 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	Frequency (MHz)	824.2	836.4		848.8	824.2	836.4	
GSM 1 Tx slot	29.62	29.89	29.82	30.20	20.62	20.89	20.82	21.20
GPRS 1 Tx slot	29.62	29.89	29.85	30.20	20.62	20.89	20.85	21.20
GPRS 2 Tx slots	26.84	26.39	26.31	27.20	20.84	20.39	20.31	21.20
GPRS 3 Tx slots	24.80	24.61	24.52	25.40	20.54	20.35	20.26	21.14
GPRS 4 Tx slots	24.10	24.10	23.74	24.20	21.10	21.10	20.74	21.20
EDGE 1 Tx slot	26.42	26.22	26.15	27.50	17.42	17.22	17.15	18.50
EDGE 2 Tx slots	25.55	25.48	25.54	27.00	19.55	19.48	19.54	21.00
EDGE 3 Tx slots	24.77	24.50	24.52	25.40	20.51	20.24	20.26	21.14
EDGE 4 Tx slots	23.88	23.60	23.35	24.20	20.88	20.60	20.35	21.20

GSM850_Ant 1_Index 4/5/6	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	Frequency (MHz)	824.2	836.4		848.8	824.2	836.4	
GSM 1 Tx slot	31.58	31.79	31.80	33.00	22.58	22.79	22.80	24.00
GPRS 1 Tx slot	31.59	31.81	31.84	33.00	22.59	22.81	22.84	24.00
GPRS 2 Tx slots	31.24	30.88	30.59	32.00	25.24	24.88	24.59	26.00
GPRS 3 Tx slots	30.13	29.60	29.35	31.00	25.87	25.34	25.09	26.74
GPRS 4 Tx slots	28.45	28.46	28.12	30.00	25.45	25.46	25.12	27.00
EDGE 1 Tx slot	26.42	26.22	26.15	27.50	17.42	17.22	17.15	18.50
EDGE 2 Tx slots	25.55	25.48	25.54	27.00	19.55	19.48	19.54	21.00
EDGE 3 Tx slots	25.75	25.50	25.44	27.00	21.49	21.24	21.18	22.74
EDGE 4 Tx slots	23.88	23.60	23.35	25.00	20.88	20.60	20.35	22.00



GSM1900_Ant 0_Index 2/3	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	29.60	29.41	29.30	30.20	20.60	20.41	20.30	21.20	
GPRS 1 Tx slot	29.22	29.28	29.19	30.20	20.22	20.28	20.19	21.20	
GPRS 2 Tx slots	27.87	27.69	27.52	28.70	21.87	21.69	21.52	22.70	
GPRS 3 Tx slots	27.23	27.01	26.80	28.20	22.97	22.75	22.54	23.94	
GPRS 4 Tx slots	26.02	26.03	25.85	27.20	23.02	23.03	22.85	24.20	
EDGE 1 Tx slot	23.70	23.84	23.74	25.20	14.70	14.84	14.74	16.20	
EDGE 2 Tx slots	22.65	22.65	22.45	24.20	16.65	16.65	16.45	18.20	
EDGE 3 Tx slots	22.52	22.24	22.11	24.20	18.26	17.98	17.85	19.94	
EDGE 4 Tx slots	21.26	21.02	20.91	23.20	18.26	18.02	17.91	20.20	

GSM1900_Ant 0_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	25.49	25.47	25.40	26.50	16.49	16.47	16.40	17.50	
GPRS 1 Tx slot	25.50	25.41	25.41	26.50	16.50	16.41	16.41	17.50	
GPRS 2 Tx slots	22.41	22.60	22.58	23.50	16.41	16.60	16.58	17.50	
GPRS 3 Tx slots	20.74	20.75	20.70	21.70	16.48	16.49	16.44	17.44	
GPRS 4 Tx slots	20.40	20.17	19.72	20.50	17.40	17.17	16.72	17.50	
EDGE 1 Tx slot	23.70	23.84	23.74	25.20	14.70	14.84	14.74	16.20	
EDGE 2 Tx slots	22.65	22.65	22.45	23.50	16.65	16.65	16.45	17.50	
EDGE 3 Tx slots	21.02	20.74	20.61	21.70	16.76	16.48	16.35	17.44	
EDGE 4 Tx slots	19.76	19.52	19.41	20.50	16.76	16.52	16.41	17.50	

GSM1900_Ant 0_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	26.99	26.97	26.90	28.60	17.99	17.97	17.90	19.60	
GPRS 1 Tx slot	27.00	26.91	26.91	28.60	18.00	17.91	17.91	19.60	
GPRS 2 Tx slots	23.91	24.10	24.08	25.60	17.91	18.10	18.08	19.60	
GPRS 3 Tx slots	22.24	22.25	22.20	23.80	17.98	17.99	17.94	19.54	
GPRS 4 Tx slots	21.33	21.34	20.90	22.60	18.33	18.34	17.90	19.60	
EDGE 1 Tx slot	23.70	23.84	23.74	25.20	14.70	14.84	14.74	16.20	
EDGE 2 Tx slots	22.65	22.65	22.45	24.20	16.65	16.65	16.45	18.20	
EDGE 3 Tx slots	22.52	22.24	22.11	23.80	18.26	17.98	17.85	19.54	
EDGE 4 Tx slots	21.26	21.02	20.91	22.60	18.26	18.02	17.91	19.60	

GSM1900_Ant 0_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	26.99	26.97	26.90	27.90	17.99	17.97	17.90	18.90	
GPRS 1 Tx slot	27.00	26.91	26.91	27.90	18.00	17.91	17.91	18.90	
GPRS 2 Tx slots	23.91	24.10	24.08	24.90	17.91	18.10	18.08	18.90	
GPRS 3 Tx slots	22.24	22.25	22.20	23.10	17.98	17.99	17.94	18.84	
GPRS 4 Tx slots	21.33	21.34	20.90	21.90	18.33	18.34	17.90	18.90	
EDGE 1 Tx slot	23.70	23.84	23.74	25.20	14.70	14.84	14.74	16.20	
EDGE 2 Tx slots	22.65	22.65	22.45	24.20	16.65	16.65	16.45	18.20	
EDGE 3 Tx slots	22.52	22.24	22.11	23.10	18.26	17.98	17.85	18.84	
EDGE 4 Tx slots	21.26	21.02	20.91	21.90	18.26	18.02	17.91	18.90	



GSM1900_Ant 2_Index 2/3	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	30.28	30.09	29.90	31.00	21.28	21.09	20.90	22.00	
GPRS 1 Tx slot	30.36	30.30	30.22	31.00	21.36	21.30	21.22	22.00	
GPRS 2 Tx slots	29.02	28.87	28.81	29.50	23.02	22.87	22.81	23.50	
GPRS 3 Tx slots	28.06	28.15	28.07	29.00	23.80	23.89	23.81	24.74	
GPRS 4 Tx slots	27.02	27.03	26.96	28.00	24.02	24.03	23.96	25.00	
EDGE 1 Tx slot	25.08	25.29	25.79	26.00	16.08	16.29	16.79	17.00	
EDGE 2 Tx slots	24.16	23.95	24.18	25.00	18.16	17.95	18.18	19.00	
EDGE 3 Tx slots	23.88	23.62	23.72	25.00	19.62	19.36	19.46	20.74	
EDGE 4 Tx slots	22.99	22.53	22.41	24.00	19.99	19.53	19.41	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	29.83	29.69	29.49	30.10	20.83	20.69	20.49	21.10	
GPRS 1 Tx slot	29.96	29.84	29.74	30.10	20.96	20.84	20.74	21.10	
GPRS 2 Tx slots	26.75	26.57	26.57	27.10	20.75	20.57	20.57	21.10	
GPRS 3 Tx slots	24.79	24.95	24.77	25.30	20.53	20.69	20.51	21.04	
GPRS 4 Tx slots	23.34	23.35	23.33	24.10	20.34	20.35	20.33	21.10	
EDGE 1 Tx slot	25.08	25.29	25.79	26.00	16.08	16.29	16.79	17.00	
EDGE 2 Tx slots	24.16	23.95	24.18	25.00	18.16	17.95	18.18	19.00	
EDGE 3 Tx slots	23.88	23.62	23.72	25.00	19.62	19.36	19.46	20.74	
EDGE 4 Tx slots	22.99	22.53	22.41	24.00	19.99	19.53	19.41	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	29.83	29.69	29.49	30.80	20.83	20.69	20.49	21.80	
GPRS 1 Tx slot	29.96	29.84	29.74	30.80	20.96	20.84	20.74	21.80	
GPRS 2 Tx slots	26.75	26.57	26.57	27.80	20.75	20.57	20.57	21.80	
GPRS 3 Tx slots	24.79	24.95	24.77	26.00	20.53	20.69	20.51	21.74	
GPRS 4 Tx slots	23.34	23.35	23.33	24.80	20.34	20.35	20.33	21.80	
EDGE 1 Tx slot	25.08	25.29	25.79	26.00	16.08	16.29	16.79	17.00	
EDGE 2 Tx slots	24.16	23.95	24.18	25.00	18.16	17.95	18.18	19.00	
EDGE 3 Tx slots	23.88	23.62	23.72	25.00	19.62	19.36	19.46	20.74	
EDGE 4 Tx slots	22.99	22.53	22.41	24.00	19.99	19.53	19.41	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	29.83	29.69	29.49	30.10	20.83	20.69	20.49	21.10	
GPRS 1 Tx slot	29.96	29.84	29.74	30.10	20.96	20.84	20.74	21.10	
GPRS 2 Tx slots	26.75	26.57	26.57	27.10	20.75	20.57	20.57	21.10	
GPRS 3 Tx slots	24.79	24.95	24.77	25.30	20.53	20.69	20.51	21.04	
GPRS 4 Tx slots	23.34	23.35	23.33	24.10	20.34	20.35	20.33	21.10	
EDGE 1 Tx slot	25.08	25.29	25.79	26.00	16.08	16.29	16.79	17.00	
EDGE 2 Tx slots	24.16	23.95	24.18	25.00	18.16	17.95	18.18	19.00	
EDGE 3 Tx slots	23.88	23.62	23.72	25.00	19.62	19.36	19.46	20.74	
EDGE 4 Tx slots	22.99	22.53	22.41	24.00	19.99	19.53	19.41	21.00	



Band		WCDMA II_Ant 0_Index 2/3			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	24.32	24.30	24.32	25.30
3GPP Rel 99	RMC 12.2Kbps	24.34	24.35	24.34	25.30
3GPP Rel 6	HSDPA Subtest-1	24.32	24.33	24.32	25.30
3GPP Rel 6	HSDPA Subtest-2	24.30	24.25	24.33	25.30
3GPP Rel 6	HSDPA Subtest-3	24.00	23.71	23.89	24.80
3GPP Rel 6	HSDPA Subtest-4	23.64	23.26	23.46	24.80
3GPP Rel 6	HSUPA Subtest-1	23.44	23.57	23.65	25.30
3GPP Rel 6	HSUPA Subtest-2	22.97	20.91	21.07	23.30
3GPP Rel 6	HSUPA Subtest-3	23.49	21.92	22.03	24.30
3GPP Rel 6	HSUPA Subtest-4	22.97	23.02	22.85	23.30
3GPP Rel 6	HSUPA Subtest-5	24.30	24.30	24.30	25.30

Band		WCDMA II_Ant 0_Index 4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	18.34	18.35	18.36	18.40
3GPP Rel 99	RMC 12.2Kbps	18.39	18.40	18.38	18.40
3GPP Rel 6	HSDPA Subtest-1	18.35	18.38	18.33	18.40
3GPP Rel 6	HSDPA Subtest-2	18.30	18.39	18.32	18.40
3GPP Rel 6	HSDPA Subtest-3	18.29	18.39	18.33	18.40
3GPP Rel 6	HSDPA Subtest-4	18.38	18.39	18.30	18.40
3GPP Rel 6	HSUPA Subtest-1	17.16	17.26	17.19	17.40
3GPP Rel 6	HSUPA Subtest-2	17.27	17.29	17.24	17.40
3GPP Rel 6	HSUPA Subtest-3	17.28	17.37	17.27	17.40
3GPP Rel 6	HSUPA Subtest-4	17.31	17.32	17.26	17.40
3GPP Rel 6	HSUPA Subtest-5	18.20	18.30	18.30	18.40

Band		WCDMA II_Ant 0_Index 5			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	18.34	18.35	18.36	20.10
3GPP Rel 99	RMC 12.2Kbps	18.39	18.40	18.38	20.10
3GPP Rel 6	HSDPA Subtest-1	18.35	18.38	18.33	20.10
3GPP Rel 6	HSDPA Subtest-2	18.30	18.39	18.32	20.10
3GPP Rel 6	HSDPA Subtest-3	18.29	18.39	18.33	20.10
3GPP Rel 6	HSDPA Subtest-4	18.38	18.39	18.30	20.10
3GPP Rel 6	HSUPA Subtest-1	17.16	17.26	17.19	19.10
3GPP Rel 6	HSUPA Subtest-2	17.27	17.29	17.24	19.10
3GPP Rel 6	HSUPA Subtest-3	17.28	17.37	17.27	19.10
3GPP Rel 6	HSUPA Subtest-4	17.31	17.32	17.26	19.10
3GPP Rel 6	HSUPA Subtest-5	18.20	18.30	18.30	20.10



Band		WCDMA II_Ant 0_Index 6			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	18.34	18.35	18.36	19.40
3GPP Rel 99	RMC 12.2Kbps	18.39	18.40	18.38	19.40
3GPP Rel 6	HSDPA Subtest-1	18.35	18.38	18.33	19.40
3GPP Rel 6	HSDPA Subtest-2	18.30	18.39	18.32	19.40
3GPP Rel 6	HSDPA Subtest-3	18.29	18.39	18.33	19.40
3GPP Rel 6	HSDPA Subtest-4	18.38	18.39	18.30	19.40
3GPP Rel 6	HSUPA Subtest-1	17.16	17.26	17.19	18.40
3GPP Rel 6	HSUPA Subtest-2	17.27	17.29	17.24	18.40
3GPP Rel 6	HSUPA Subtest-3	17.28	17.37	17.27	18.40
3GPP Rel 6	HSUPA Subtest-4	17.31	17.32	17.26	18.40
3GPP Rel 6	HSUPA Subtest-5	18.20	18.30	18.30	19.40

Band		WCDMA II_Ant 2_Index 2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	24.01	24.08	24.03	25.10
3GPP Rel 99	RMC 12.2Kbps	24.27	24.36	24.35	25.10
3GPP Rel 6	HSDPA Subtest-1	24.04	24.10	23.97	25.10
3GPP Rel 6	HSDPA Subtest-2	24.07	24.11	23.87	25.10
3GPP Rel 6	HSDPA Subtest-3	23.53	23.79	23.55	24.60
3GPP Rel 6	HSDPA Subtest-4	23.10	23.28	23.20	24.60
3GPP Rel 6	HSUPA Subtest-1	23.46	23.35	23.34	25.10
3GPP Rel 6	HSUPA Subtest-2	21.94	21.85	21.79	23.10
3GPP Rel 6	HSUPA Subtest-3	22.88	22.88	22.86	24.10
3GPP Rel 6	HSUPA Subtest-4	21.85	21.90	21.80	23.10
3GPP Rel 6	HSUPA Subtest-5	23.40	23.60	23.30	25.10

Band		WCDMA II_Ant 2_Index 3			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	24.01	24.08	24.03	24.40
3GPP Rel 99	RMC 12.2Kbps	24.27	24.36	24.35	24.40
3GPP Rel 6	HSDPA Subtest-1	24.04	24.10	23.97	24.40
3GPP Rel 6	HSDPA Subtest-2	24.07	24.11	23.87	24.40
3GPP Rel 6	HSDPA Subtest-3	23.53	23.79	23.55	23.90
3GPP Rel 6	HSDPA Subtest-4	23.10	23.28	23.20	23.90
3GPP Rel 6	HSUPA Subtest-1	23.46	23.35	23.34	24.40
3GPP Rel 6	HSUPA Subtest-2	21.94	21.85	21.79	22.40
3GPP Rel 6	HSUPA Subtest-3	22.88	22.88	22.86	23.40
3GPP Rel 6	HSUPA Subtest-4	21.85	21.90	21.80	22.40
3GPP Rel 6	HSUPA Subtest-5	23.40	23.60	23.30	24.40



Band		WCDMA II_Ant 2_Index 4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.61	20.69	20.65	21.30
3GPP Rel 99	RMC 12.2Kbps	20.67	20.71	20.69	21.30
3GPP Rel 6	HSDPA Subtest-1	20.65	20.67	20.69	21.30
3GPP Rel 6	HSDPA Subtest-2	20.66	20.67	20.67	21.30
3GPP Rel 6	HSDPA Subtest-3	20.65	20.69	20.65	21.30
3GPP Rel 6	HSDPA Subtest-4	20.69	20.69	20.66	21.30
3GPP Rel 6	HSUPA Subtest-1	19.70	19.71	19.63	20.30
3GPP Rel 6	HSUPA Subtest-2	19.72	19.73	19.69	20.30
3GPP Rel 6	HSUPA Subtest-3	19.67	19.76	19.72	20.30
3GPP Rel 6	HSUPA Subtest-4	19.75	19.76	19.67	20.30
3GPP Rel 6	HSUPA Subtest-5	20.60	20.70	20.60	21.30

Band		WCDMA II_Ant 2_Index 5			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.61	20.69	20.65	22.00
3GPP Rel 99	RMC 12.2Kbps	20.67	20.71	20.69	22.00
3GPP Rel 6	HSDPA Subtest-1	20.65	20.67	20.69	22.00
3GPP Rel 6	HSDPA Subtest-2	20.66	20.67	20.67	22.00
3GPP Rel 6	HSDPA Subtest-3	20.65	20.69	20.65	22.00
3GPP Rel 6	HSDPA Subtest-4	20.69	20.69	20.66	22.00
3GPP Rel 6	HSUPA Subtest-1	19.70	19.71	19.63	21.00
3GPP Rel 6	HSUPA Subtest-2	19.72	19.73	19.69	21.00
3GPP Rel 6	HSUPA Subtest-3	19.67	19.76	19.72	21.00
3GPP Rel 6	HSUPA Subtest-4	19.75	19.76	19.67	21.00
3GPP Rel 6	HSUPA Subtest-5	20.60	20.70	20.60	22.00

Band		WCDMA II_Ant 2_Index 6			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.61	20.69	20.65	21.30
3GPP Rel 99	RMC 12.2Kbps	20.67	20.71	20.69	21.30
3GPP Rel 6	HSDPA Subtest-1	20.65	20.67	20.69	21.30
3GPP Rel 6	HSDPA Subtest-2	20.66	20.67	20.67	21.30
3GPP Rel 6	HSDPA Subtest-3	20.65	20.69	20.65	21.30
3GPP Rel 6	HSDPA Subtest-4	20.69	20.69	20.66	21.30
3GPP Rel 6	HSUPA Subtest-1	19.70	19.71	19.63	20.30
3GPP Rel 6	HSUPA Subtest-2	19.72	19.73	19.69	20.30
3GPP Rel 6	HSUPA Subtest-3	19.67	19.76	19.72	20.30
3GPP Rel 6	HSUPA Subtest-4	19.75	19.76	19.67	20.30
3GPP Rel 6	HSUPA Subtest-5	20.60	20.70	20.60	21.30



Band		WCDMA IV_Ant 0_Index 2/3			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.39	24.55	24.35	25.30
3GPP Rel 99	RMC 12.2Kbps	24.41	24.58	24.39	25.30
3GPP Rel 6	HSDPA Subtest-1	24.37	24.51	24.39	25.30
3GPP Rel 6	HSDPA Subtest-2	24.26	24.48	24.29	25.30
3GPP Rel 6	HSDPA Subtest-3	23.81	24.00	23.83	24.80
3GPP Rel 6	HSDPA Subtest-4	23.77	24.04	23.84	24.80
3GPP Rel 6	HSUPA Subtest-1	23.44	23.72	23.60	25.30
3GPP Rel 6	HSUPA Subtest-2	20.81	21.05	22.80	23.30
3GPP Rel 6	HSUPA Subtest-3	22.37	22.61	22.44	24.30
3GPP Rel 6	HSUPA Subtest-4	20.83	22.83	23.10	23.30
3GPP Rel 6	HSUPA Subtest-5	24.50	24.50	24.50	25.30

Band		WCDMA IV_Ant 0_Index 4			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.74	18.90	18.75	19.30
3GPP Rel 99	RMC 12.2Kbps	18.79	18.94	18.81	19.30
3GPP Rel 6	HSDPA Subtest-1	18.88	18.89	18.81	19.30
3GPP Rel 6	HSDPA Subtest-2	18.89	18.91	18.91	19.30
3GPP Rel 6	HSDPA Subtest-3	18.84	18.92	18.87	19.30
3GPP Rel 6	HSDPA Subtest-4	18.84	18.90	18.84	19.30
3GPP Rel 6	HSUPA Subtest-1	17.84	17.88	17.80	18.30
3GPP Rel 6	HSUPA Subtest-2	17.85	17.89	17.88	18.30
3GPP Rel 6	HSUPA Subtest-3	17.70	17.80	17.75	18.30
3GPP Rel 6	HSUPA Subtest-4	17.75	17.83	17.76	18.30
3GPP Rel 6	HSUPA Subtest-5	18.80	18.80	18.70	19.30

Band		WCDMA IV_Ant 0_Index 5			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.74	18.90	18.75	20.00
3GPP Rel 99	RMC 12.2Kbps	18.79	18.94	18.81	20.00
3GPP Rel 6	HSDPA Subtest-1	18.88	18.89	18.81	20.00
3GPP Rel 6	HSDPA Subtest-2	18.89	18.91	18.91	20.00
3GPP Rel 6	HSDPA Subtest-3	18.84	18.92	18.87	20.00
3GPP Rel 6	HSDPA Subtest-4	18.84	18.90	18.84	20.00
3GPP Rel 6	HSUPA Subtest-1	17.84	17.88	17.80	19.00
3GPP Rel 6	HSUPA Subtest-2	17.85	17.89	17.88	19.00
3GPP Rel 6	HSUPA Subtest-3	17.70	17.80	17.75	19.00
3GPP Rel 6	HSUPA Subtest-4	17.75	17.83	17.76	19.00
3GPP Rel 6	HSUPA Subtest-5	18.80	18.80	18.70	20.00



Band		WCDMA IV_Ant 0_Index 6			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.74	18.90	18.75	19.30
3GPP Rel 99	RMC 12.2Kbps	18.79	18.94	18.81	19.30
3GPP Rel 6	HSDPA Subtest-1	18.88	18.89	18.81	19.30
3GPP Rel 6	HSDPA Subtest-2	18.89	18.91	18.91	19.30
3GPP Rel 6	HSDPA Subtest-3	18.84	18.92	18.87	19.30
3GPP Rel 6	HSDPA Subtest-4	18.84	18.90	18.84	19.30
3GPP Rel 6	HSUPA Subtest-1	17.84	17.88	17.80	18.30
3GPP Rel 6	HSUPA Subtest-2	17.85	17.89	17.88	18.30
3GPP Rel 6	HSUPA Subtest-3	17.70	17.80	17.75	18.30
3GPP Rel 6	HSUPA Subtest-4	17.75	17.83	17.76	18.30
3GPP Rel 6	HSUPA Subtest-5	18.80	18.80	18.70	19.30

Band		WCDMA IV_Ant 2_Index 2/3			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.76	24.90	24.76	25.50
3GPP Rel 99	RMC 12.2Kbps	24.78	24.93	24.81	25.50
3GPP Rel 6	HSDPA Subtest-1	24.73	24.88	24.67	25.50
3GPP Rel 6	HSDPA Subtest-2	24.60	24.83	24.58	25.50
3GPP Rel 6	HSDPA Subtest-3	24.04	24.30	24.09	25.00
3GPP Rel 6	HSDPA Subtest-4	24.07	24.27	24.06	25.00
3GPP Rel 6	HSUPA Subtest-1	23.73	23.87	23.71	25.50
3GPP Rel 6	HSUPA Subtest-2	22.09	22.25	22.12	23.50
3GPP Rel 6	HSUPA Subtest-3	22.65	22.77	22.67	24.50
3GPP Rel 6	HSUPA Subtest-4	21.89	22.04	21.50	23.50
3GPP Rel 6	HSUPA Subtest-5	24.87	24.82	24.86	25.50

Band		WCDMA IV_Ant 2_Index 4			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.64	20.80	20.66	21.20
3GPP Rel 99	RMC 12.2Kbps	20.66	20.84	20.71	21.20
3GPP Rel 6	HSDPA Subtest-1	20.64	20.81	20.67	21.20
3GPP Rel 6	HSDPA Subtest-2	20.63	20.82	20.65	21.20
3GPP Rel 6	HSDPA Subtest-3	20.65	20.82	20.66	21.20
3GPP Rel 6	HSDPA Subtest-4	20.64	20.83	20.66	21.20
3GPP Rel 6	HSUPA Subtest-1	19.75	19.79	19.76	20.20
3GPP Rel 6	HSUPA Subtest-2	19.75	19.80	19.80	20.20
3GPP Rel 6	HSUPA Subtest-3	19.75	19.81	19.78	20.20
3GPP Rel 6	HSUPA Subtest-4	19.76	19.80	19.73	20.20
3GPP Rel 6	HSUPA Subtest-5	20.70	20.80	20.70	21.20



Band		WCDMA IV_Ant 2_Index 5			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.64	20.80	20.66	21.90
3GPP Rel 99	RMC 12.2Kbps	20.66	20.84	20.71	21.90
3GPP Rel 6	HSDPA Subtest-1	20.64	20.81	20.67	21.90
3GPP Rel 6	HSDPA Subtest-2	20.63	20.82	20.65	21.90
3GPP Rel 6	HSDPA Subtest-3	20.65	20.82	20.66	21.90
3GPP Rel 6	HSDPA Subtest-4	20.64	20.83	20.66	21.90
3GPP Rel 6	HSUPA Subtest-1	19.75	19.79	19.76	20.90
3GPP Rel 6	HSUPA Subtest-2	19.75	19.80	19.80	20.90
3GPP Rel 6	HSUPA Subtest-3	19.75	19.81	19.78	20.90
3GPP Rel 6	HSUPA Subtest-4	19.76	19.80	19.73	20.90
3GPP Rel 6	HSUPA Subtest-5	20.70	20.80	20.70	21.90

Band		WCDMA IV_Ant 2_Index 6			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.64	20.80	20.66	21.20
3GPP Rel 99	RMC 12.2Kbps	20.66	20.84	20.71	21.20
3GPP Rel 6	HSDPA Subtest-1	20.64	20.81	20.67	21.20
3GPP Rel 6	HSDPA Subtest-2	20.63	20.82	20.65	21.20
3GPP Rel 6	HSDPA Subtest-3	20.65	20.82	20.66	21.20
3GPP Rel 6	HSDPA Subtest-4	20.64	20.83	20.66	21.20
3GPP Rel 6	HSUPA Subtest-1	19.75	19.79	19.76	20.20
3GPP Rel 6	HSUPA Subtest-2	19.75	19.80	19.80	20.20
3GPP Rel 6	HSUPA Subtest-3	19.75	19.81	19.78	20.20
3GPP Rel 6	HSUPA Subtest-4	19.76	19.80	19.73	20.20
3GPP Rel 6	HSUPA Subtest-5	20.70	20.80	20.70	21.20



Band		WCDMA V_Ant 0_Index 2/3/5/6			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.60	24.59	24.60	25.50
3GPP Rel 99	RMC 12.2Kbps	24.91	25.10	24.90	25.50
3GPP Rel 6	HSDPA Subtest-1	24.60	24.61	24.59	25.50
3GPP Rel 6	HSDPA Subtest-2	24.42	24.48	24.51	25.50
3GPP Rel 6	HSDPA Subtest-3	23.97	23.98	23.97	25.00
3GPP Rel 6	HSDPA Subtest-4	23.50	23.53	23.59	25.00
3GPP Rel 6	HSUPA Subtest-1	24.22	24.09	24.01	25.50
3GPP Rel 6	HSUPA Subtest-2	22.46	22.42	22.42	23.50
3GPP Rel 6	HSUPA Subtest-3	23.59	23.43	23.41	24.50
3GPP Rel 6	HSUPA Subtest-4	22.40	22.48	22.37	23.50
3GPP Rel 6	HSUPA Subtest-5	24.60	24.60	24.60	25.50

Band		WCDMA V_Ant 0_Index 4			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.50	24.49	24.50	25.20
3GPP Rel 99	RMC 12.2Kbps	24.51	24.52	24.50	25.20
3GPP Rel 6	HSDPA Subtest-1	24.50	24.51	24.49	25.20
3GPP Rel 6	HSDPA Subtest-2	24.32	24.38	24.41	25.20
3GPP Rel 6	HSDPA Subtest-3	23.87	23.88	23.87	25.00
3GPP Rel 6	HSDPA Subtest-4	23.40	23.43	23.49	25.00
3GPP Rel 6	HSUPA Subtest-1	24.12	23.99	23.91	25.20
3GPP Rel 6	HSUPA Subtest-2	22.36	22.32	22.32	23.50
3GPP Rel 6	HSUPA Subtest-3	23.49	23.33	23.31	24.50
3GPP Rel 6	HSUPA Subtest-4	22.30	22.38	22.27	23.50
3GPP Rel 6	HSUPA Subtest-5	24.50	24.50	24.50	25.20



Band		WCDMA V_Ant 1_Index 2			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.65	20.70	20.69	22.40
3GPP Rel 99	RMC 12.2Kbps	20.66	20.90	20.70	22.40
3GPP Rel 6	HSDPA Subtest-1	20.60	20.67	20.66	22.40
3GPP Rel 6	HSDPA Subtest-2	20.59	20.69	20.66	22.40
3GPP Rel 6	HSDPA Subtest-3	20.64	20.69	20.66	22.40
3GPP Rel 6	HSDPA Subtest-4	20.60	20.66	20.69	22.40
3GPP Rel 6	HSUPA Subtest-1	19.67	19.74	19.78	21.40
3GPP Rel 6	HSUPA Subtest-2	19.70	19.67	19.80	21.40
3GPP Rel 6	HSUPA Subtest-3	19.67	19.72	19.67	21.40
3GPP Rel 6	HSUPA Subtest-4	19.75	19.60	19.75	21.40
3GPP Rel 6	HSUPA Subtest-5	20.60	20.60	20.70	22.40

Band		WCDMA V_Ant 1_Index 3			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.65	20.70	20.69	21.70
3GPP Rel 99	RMC 12.2Kbps	20.66	20.90	20.70	21.70
3GPP Rel 6	HSDPA Subtest-1	20.60	20.67	20.66	21.70
3GPP Rel 6	HSDPA Subtest-2	20.59	20.69	20.66	21.70
3GPP Rel 6	HSDPA Subtest-3	20.64	20.69	20.66	21.70
3GPP Rel 6	HSDPA Subtest-4	20.60	20.66	20.69	21.70
3GPP Rel 6	HSUPA Subtest-1	19.67	19.74	19.78	20.70
3GPP Rel 6	HSUPA Subtest-2	19.70	19.67	19.80	20.70
3GPP Rel 6	HSUPA Subtest-3	19.67	19.72	19.67	20.70
3GPP Rel 6	HSUPA Subtest-4	19.75	19.60	19.75	20.70
3GPP Rel 6	HSUPA Subtest-5	20.60	20.60	20.70	21.70

Band		WCDMA V_Ant 1_Index 4/5/6			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.38	24.61	24.49	25.10
3GPP Rel 99	RMC 12.2Kbps	24.39	24.62	24.50	25.10
3GPP Rel 6	HSDPA Subtest-1	24.39	24.60	24.47	25.10
3GPP Rel 6	HSDPA Subtest-2	24.23	24.40	24.28	25.10
3GPP Rel 6	HSDPA Subtest-3	23.74	23.91	23.79	24.60
3GPP Rel 6	HSDPA Subtest-4	23.20	23.40	23.27	24.60
3GPP Rel 6	HSUPA Subtest-1	23.83	24.05	24.03	25.10
3GPP Rel 6	HSUPA Subtest-2	22.23	22.41	22.38	23.10
3GPP Rel 6	HSUPA Subtest-3	23.30	23.42	23.36	24.10
3GPP Rel 6	HSUPA Subtest-4	22.25	22.39	22.30	23.10
3GPP Rel 6	HSUPA Subtest-5	24.00	24.10	24.00	25.10



<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	24.01	24.35	24.05	25.3
20	QPSK	1	49	24.15	24.04	24.13	
20	QPSK	1	99	24.07	23.66	24.34	
20	QPSK	50	0	23.15	23.28	23.08	24.3
20	QPSK	50	24	23.21	23.13	23.15	
20	QPSK	50	50	23.18	22.94	23.28	
20	QPSK	100	0	23.19	23.11	23.18	24.3
20	16QAM	1	0	23.27	23.80	23.46	
20	16QAM	1	49	23.48	23.48	23.57	
20	16QAM	1	99	23.33	23.05	23.77	23.3
20	16QAM	50	0	22.13	22.26	22.04	
20	16QAM	50	24	22.21	22.11	22.10	
20	16QAM	50	50	22.18	21.91	22.23	23.3
20	16QAM	100	0	22.15	22.07	22.13	
20	64QAM	1	0	22.20	22.54	22.18	
20	64QAM	1	49	22.31	22.09	22.13	22.3
20	64QAM	1	99	22.31	21.89	22.46	
20	64QAM	50	0	21.18	21.32	21.10	
20	64QAM	50	24	21.22	21.16	21.16	20.3
20	64QAM	50	50	21.19	20.96	21.27	
20	64QAM	100	0	21.15	21.12	21.15	
20	256QAM	1	0	18.92	19.30	18.96	20.3
20	256QAM	1	49	19.12	19.07	18.89	
20	256QAM	1	99	19.08	18.83	19.36	
20	256QAM	50	0	19.12	19.23	19.05	20.3
20	256QAM	50	24	19.25	19.11	19.10	
20	256QAM	50	50	19.22	18.97	19.27	
20	256QAM	100	0	19.18	19.11	19.14	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	24.11	24.31	23.96	25.3
15	QPSK	1	37	24.33	24.30	24.29	
15	QPSK	1	74	24.31	23.95	24.30	
15	QPSK	36	0	23.36	23.40	23.21	24.3
15	QPSK	36	20	23.45	23.23	23.38	
15	QPSK	36	39	23.46	23.12	23.51	
15	QPSK	75	0	23.45	23.21	23.39	24.3
15	16QAM	1	0	23.37	23.78	23.52	
15	16QAM	1	37	23.69	23.41	23.74	
15	16QAM	1	74	23.61	23.13	23.86	23.3
15	16QAM	36	0	22.37	22.41	22.24	
15	16QAM	36	20	22.48	22.27	22.36	
15	16QAM	36	39	22.46	22.10	22.50	23.3
15	16QAM	75	0	22.41	22.25	22.36	
15	64QAM	1	0	22.35	22.56	22.18	
15	64QAM	1	37	22.46	22.09	22.30	22.3
15	64QAM	1	74	22.58	22.20	22.67	
15	64QAM	36	0	21.41	21.46	21.25	
15	64QAM	36	20	21.47	21.29	21.36	20.3
15	64QAM	36	39	21.46	21.16	21.48	
15	64QAM	75	0	21.34	21.25	21.36	
15	256QAM	1	0	18.86	19.20	18.96	20.3
15	256QAM	1	37	19.04	19.05	18.85	
15	256QAM	1	74	19.04	18.76	19.27	
15	256QAM	36	0	19.05	19.19	18.96	20.3
15	256QAM	36	20	19.21	19.04	19.10	



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15	256QAM	36	39	19.18	18.87	19.27	
15	256QAM	75	0	19.18	19.01	19.07	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	24.08	24.23	23.92	25.3
10	QPSK	1	25	24.25	24.08	24.26	
10	QPSK	1	49	24.28	24.04	24.34	
10	QPSK	25	0	23.33	23.27	23.24	24.3
10	QPSK	25	12	23.37	23.18	23.37	
10	QPSK	25	25	23.40	23.09	23.44	
10	QPSK	50	0	23.36	23.16	23.32	24.3
10	16QAM	1	0	23.37	23.63	23.53	
10	16QAM	1	25	23.51	23.25	23.63	
10	16QAM	1	49	23.62	23.17	23.81	23.3
10	16QAM	25	0	22.33	22.31	22.23	
10	16QAM	25	12	22.40	22.21	22.34	
10	16QAM	25	25	22.42	22.10	22.41	23.3
10	16QAM	50	0	22.31	22.19	22.27	
10	64QAM	1	0	22.16	22.34	22.17	
10	64QAM	1	25	22.25	21.89	22.28	23.3
10	64QAM	1	49	22.51	22.08	22.58	
10	64QAM	25	0	21.33	21.31	21.26	
10	64QAM	25	12	21.38	21.21	21.33	22.3
10	64QAM	25	25	21.38	21.10	21.41	
10	64QAM	50	0	21.31	21.25	21.29	
10	256QAM	1	0	18.83	19.22	18.86	20.3
10	256QAM	1	25	19.03	19.07	18.80	
10	256QAM	1	49	18.98	18.80	19.32	
10	256QAM	25	0	19.03	19.22	19.05	20.3
10	256QAM	25	12	19.19	19.07	19.03	
10	256QAM	25	25	19.12	18.97	19.24	
10	256QAM	50	0	19.17	19.11	19.12	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	24.18	24.31	24.10	25.3
5	QPSK	1	12	24.34	24.34	24.28	
5	QPSK	1	24	24.27	24.17	24.30	
5	QPSK	12	0	23.40	23.27	23.40	24.3
5	QPSK	12	7	23.47	23.21	23.52	
5	QPSK	12	13	23.48	23.18	23.56	
5	QPSK	25	0	23.47	23.20	23.45	24.3
5	16QAM	1	0	23.49	23.55	23.71	
5	16QAM	1	12	23.71	23.41	23.80	
5	16QAM	1	24	23.70	23.32	23.83	23.3
5	16QAM	12	0	22.42	22.31	22.43	
5	16QAM	12	7	22.49	22.22	22.50	
5	16QAM	12	13	22.50	22.19	22.54	23.3
5	16QAM	25	0	22.49	22.28	22.44	
5	64QAM	1	0	22.42	22.31	22.27	
5	64QAM	1	12	22.31	21.98	22.30	23.3
5	64QAM	1	24	22.63	22.27	22.50	
5	64QAM	12	0	21.44	21.33	21.37	
5	64QAM	12	7	21.46	21.24	21.46	22.3
5	64QAM	12	13	21.47	21.23	21.55	
5	64QAM	25	0	21.40	21.28	21.44	
5	256QAM	1	0	18.88	19.28	18.95	20.3
5	256QAM	1	12	19.11	19.05	18.83	
5	256QAM	1	24	19.02	18.81	19.30	
5	256QAM	12	0	19.05	19.14	19.03	20.3
5	256QAM	12	7	19.24	19.02	19.02	
5	256QAM	12	13	19.15	18.94	19.18	
5	256QAM	25	0	19.17	19.06	19.07	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	24.10	24.30	24.02	25.3
3	QPSK	1	8	24.22	24.16	24.28	
3	QPSK	1	14	24.33	24.20	24.26	
3	QPSK	8	0	23.40	23.22	23.40	24.3
3	QPSK	8	4	23.44	23.18	23.49	
3	QPSK	8	7	23.48	23.21	23.52	
3	QPSK	15	0	23.43	23.14	23.47	
3	16QAM	1	0	23.54	23.53	23.80	24.3
3	16QAM	1	8	23.58	23.34	23.73	
3	16QAM	1	14	23.70	23.44	23.80	
3	16QAM	8	0	22.40	22.25	22.43	23.3
3	16QAM	8	4	22.50	22.25	22.48	
3	16QAM	8	7	22.45	22.16	22.50	
3	16QAM	15	0	22.41	22.24	22.48	
3	64QAM	1	0	22.40	22.20	22.38	23.3
3	64QAM	1	8	22.38	21.91	22.48	
3	64QAM	1	14	22.61	22.25	22.57	
3	64QAM	8	0	21.37	21.30	21.44	22.3
3	64QAM	8	4	21.38	21.23	21.50	
3	64QAM	8	7	21.43	21.26	21.56	
3	64QAM	15	0	21.36	21.27	21.45	
3	256QAM	1	0	18.83	19.23	18.96	20.3
3	256QAM	1	8	19.11	19.07	18.88	
3	256QAM	1	14	19.00	18.77	19.33	
3	256QAM	8	0	19.07	19.23	19.01	20.3
3	256QAM	8	4	19.16	19.05	19.10	
3	256QAM	8	7	19.20	18.97	19.26	
3	256QAM	15	0	19.08	19.08	19.04	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	24.18	24.08	24.30	25.3
1.4	QPSK	1	3	24.09	23.93	24.16	
1.4	QPSK	1	5	24.23	24.04	24.11	
1.4	QPSK	3	0	24.19	24.04	23.92	
1.4	QPSK	3	1	24.15	24.04	23.88	
1.4	QPSK	3	3	24.17	23.99	23.91	24.3
1.4	QPSK	6	0	23.20	23.06	23.19	
1.4	16QAM	1	0	23.45	23.32	23.57	
1.4	16QAM	1	3	23.40	23.17	23.41	24.3
1.4	16QAM	1	5	23.50	23.25	23.46	
1.4	16QAM	3	0	23.26	23.10	23.36	
1.4	16QAM	3	1	23.26	23.12	23.38	
1.4	16QAM	3	3	23.27	23.05	23.29	
1.4	16QAM	6	0	22.21	22.08	22.33	23.3
1.4	64QAM	1	0	22.35	22.29	22.55	23.3
1.4	64QAM	1	3	22.29	22.15	22.47	
1.4	64QAM	1	5	22.41	22.22	22.58	
1.4	64QAM	3	0	22.29	22.21	22.43	
1.4	64QAM	3	1	22.26	22.13	22.44	
1.4	64QAM	3	3	22.27	22.10	22.45	22.3
1.4	64QAM	6	0	21.19	21.10	21.29	
1.4	256QAM	1	0	18.84	19.29	18.94	
1.4	256QAM	1	3	19.05	19.03	18.83	
1.4	256QAM	1	5	19.01	18.78	19.30	
1.4	256QAM	3	0	19.06	19.18	19.00	
1.4	256QAM	3	1	19.16	19.06	19.01	
1.4	256QAM	3	3	19.14	18.97	19.19	20.3
1.4	256QAM	6	0	19.09	19.09	19.11	



<LTE Band 2_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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	17.07	17.47	17.12	18.5
20	QPSK	1	49	17.27	16.88	17.10	
20	QPSK	1	99	17.11	16.79	17.28	
20	QPSK	50	0	17.15	17.27	17.06	18.5
20	QPSK	50	24	17.20	17.07	17.05	
20	QPSK	50	50	17.21	16.90	17.16	
20	QPSK	100	0	17.19	17.08	17.12	
20	16QAM	1	0	17.08	17.55	17.19	18.5
20	16QAM	1	49	17.23	17.27	17.16	
20	16QAM	1	99	17.14	16.87	17.29	
20	16QAM	50	0	17.08	17.27	17.01	18.5
20	16QAM	50	24	17.15	17.10	17.05	
20	16QAM	50	50	17.16	16.89	17.12	
20	16QAM	100	0	17.16	17.07	17.05	
20	64QAM	1	0	17.11	17.61	17.24	18.5
20	64QAM	1	49	17.33	17.37	17.19	
20	64QAM	1	99	17.19	16.92	17.40	
20	64QAM	50	0	17.16	17.30	17.02	18.5
20	64QAM	50	24	17.21	17.13	17.07	
20	64QAM	50	50	17.21	16.93	17.11	
20	64QAM	100	0	17.18	17.09	17.05	
20	256QAM	1	0	17.43	17.44	17.43	18.5
20	256QAM	1	49	17.54	17.51	17.55	
20	256QAM	1	99	17.51	17.53	17.54	
20	256QAM	50	0	17.37	17.42	17.39	18.5
20	256QAM	50	24	17.44	17.47	17.42	
20	256QAM	50	50	17.60	17.58	17.59	
20	256QAM	100	0	17.52	17.54	17.38	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	17.02	17.37	17.02	18.5
15	QPSK	1	37	17.24	16.84	17.09	
15	QPSK	1	74	17.06	16.73	17.24	
15	QPSK	36	0	17.12	17.22	17.03	18.5
15	QPSK	36	20	17.20	17.07	16.97	
15	QPSK	36	39	17.19	16.86	17.08	
15	QPSK	75	0	17.11	17.03	17.10	
15	16QAM	1	0	17.05	17.45	17.17	18.5
15	16QAM	1	37	17.21	17.18	17.15	
15	16QAM	1	74	17.14	16.82	17.25	
15	16QAM	36	0	17.03	17.25	16.93	18.5
15	16QAM	36	20	17.12	17.01	16.95	
15	16QAM	36	39	17.08	16.84	17.09	
15	16QAM	75	0	17.14	17.07	17.03	
15	64QAM	1	0	17.02	17.58	17.18	18.5
15	64QAM	1	37	17.25	17.29	17.09	
15	64QAM	1	74	17.12	16.87	17.40	
15	64QAM	36	0	17.08	17.24	17.00	18.5
15	64QAM	36	20	17.14	17.13	16.97	
15	64QAM	36	39	17.20	16.91	17.10	
15	64QAM	75	0	17.13	16.99	16.96	
15	256QAM	1	0	17.40	17.37	17.33	18.5
15	256QAM	1	37	17.53	17.47	17.46	
15	256QAM	1	74	17.48	17.49	17.51	
15	256QAM	36	0	17.34	17.38	17.31	18.5
15	256QAM	36	20	17.34	17.44	17.34	



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15	256QAM	36	39	17.55	17.48	17.54	
15	256QAM	75	0	17.47	17.53	17.35	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	16.99	17.41	17.05	18.5
10	QPSK	1	25	17.21	16.82	17.09	
10	QPSK	1	49	17.06	16.73	17.21	
10	QPSK	25	0	17.09	17.24	16.98	18.5
10	QPSK	25	12	17.14	16.97	17.03	
10	QPSK	25	25	17.18	16.80	17.06	
10	QPSK	50	0	17.15	17.04	17.03	
10	16QAM	1	0	17.02	17.54	17.18	
10	16QAM	1	25	17.17	17.25	17.12	18.5
10	16QAM	1	49	17.07	16.81	17.23	
10	16QAM	25	0	17.03	17.18	16.98	18.5
10	16QAM	25	12	17.07	17.05	17.02	
10	16QAM	25	25	17.11	16.88	17.06	
10	16QAM	50	0	17.12	17.06	17.02	
10	64QAM	1	0	17.09	17.57	17.19	
10	64QAM	1	25	17.32	17.35	17.13	18.5
10	64QAM	1	49	17.18	16.82	17.36	
10	64QAM	25	0	17.09	17.24	16.99	
10	64QAM	25	12	17.18	17.07	17.05	18.5
10	64QAM	25	25	17.13	16.92	17.09	
10	64QAM	50	0	17.08	17.09	16.97	
10	256QAM	1	0	17.37	17.42	17.42	
10	256QAM	1	25	17.50	17.46	17.46	
10	256QAM	1	49	17.44	17.48	17.52	18.5
10	256QAM	25	0	17.31	17.42	17.37	
10	256QAM	25	12	17.41	17.45	17.40	
10	256QAM	25	25	17.51	17.51	17.50	
10	256QAM	50	0	17.47	17.50	17.33	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	16.98	17.43	17.03	18.5
5	QPSK	1	12	17.18	16.84	17.09	
5	QPSK	1	24	17.02	16.78	17.23	
5	QPSK	12	0	17.13	17.21	16.96	18.5
5	QPSK	12	7	17.11	17.07	17.02	
5	QPSK	12	13	17.18	16.83	17.14	
5	QPSK	25	0	17.10	17.03	17.08	
5	16QAM	1	0	16.98	17.52	17.17	
5	16QAM	1	12	17.23	17.24	17.13	18.5
5	16QAM	1	24	17.10	16.83	17.21	
5	16QAM	12	0	17.03	17.27	16.94	
5	16QAM	12	7	17.06	17.06	16.99	18.5
5	16QAM	12	13	17.12	16.85	17.11	
5	16QAM	25	0	17.06	17.03	16.97	
5	64QAM	1	0	17.05	17.55	17.20	
5	64QAM	1	12	17.31	17.31	17.10	
5	64QAM	1	24	17.10	16.89	17.40	18.5
5	64QAM	12	0	17.09	17.22	16.98	
5	64QAM	12	7	17.17	17.09	17.04	
5	64QAM	12	13	17.16	16.83	17.08	
5	64QAM	25	0	17.13	17.04	17.02	
5	256QAM	1	0	17.41	17.39	17.34	18.5
5	256QAM	1	12	17.51	17.44	17.52	
5	256QAM	1	24	17.41	17.47	17.53	
5	256QAM	12	0	17.27	17.41	17.30	
5	256QAM	12	7	17.44	17.44	17.37	
5	256QAM	12	13	17.54	17.57	17.56	18.5
5	256QAM	25	0	17.47	17.44	17.35	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	16.99	17.45	17.12	18.5
3	QPSK	1	8	17.25	16.80	17.00	
3	QPSK	1	14	17.08	16.76	17.20	
3	QPSK	8	0	17.10	17.25	17.04	18.5
3	QPSK	8	4	17.12	17.02	16.95	
3	QPSK	8	7	17.14	16.90	17.14	
3	QPSK	15	0	17.18	17.06	17.04	18.5
3	16QAM	1	0	17.03	17.48	17.11	
3	16QAM	1	8	17.15	17.22	17.12	
3	16QAM	1	14	17.10	16.87	17.24	18.5
3	16QAM	8	0	16.98	17.17	16.99	
3	16QAM	8	4	17.15	17.05	17.04	
3	16QAM	8	7	17.07	16.80	17.10	18.5
3	16QAM	15	0	17.06	17.00	16.99	
3	64QAM	1	0	17.10	17.60	17.24	
3	64QAM	1	8	17.25	17.30	17.09	18.5
3	64QAM	1	14	17.18	16.85	17.36	
3	64QAM	8	0	17.13	17.27	17.01	
3	64QAM	8	4	17.18	17.03	17.07	18.5
3	64QAM	8	7	17.13	16.93	17.07	
3	64QAM	15	0	17.13	17.02	17.04	
3	256QAM	1	0	17.43	17.41	17.39	18.5
3	256QAM	1	8	17.49	17.42	17.45	
3	256QAM	1	14	17.45	17.44	17.50	
3	256QAM	8	0	17.35	17.33	17.37	18.5
3	256QAM	8	4	17.42	17.43	17.33	
3	256QAM	8	7	17.59	17.50	17.55	
3	256QAM	15	0	17.52	17.48	17.31	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	17.03	17.40	17.06	18.5
1.4	QPSK	1	3	17.17	16.84	17.05	
1.4	QPSK	1	5	17.11	16.71	17.19	
1.4	QPSK	3	0	17.15	17.21	17.00	18.5
1.4	QPSK	3	1	17.12	16.99	16.98	
1.4	QPSK	3	3	17.12	16.88	17.11	
1.4	QPSK	6	0	17.11	17.05	17.03	18.5
1.4	16QAM	1	0	17.02	17.51	17.14	18.5
1.4	16QAM	1	3	17.16	17.26	17.07	
1.4	16QAM	1	5	17.05	16.85	17.28	
1.4	16QAM	3	0	16.98	17.20	16.98	18.5
1.4	16QAM	3	1	17.10	17.01	17.02	
1.4	16QAM	3	3	17.08	16.80	17.02	
1.4	16QAM	6	0	17.06	16.99	17.05	18.5
1.4	64QAM	1	0	17.03	17.60	17.19	18.5
1.4	64QAM	1	3	17.30	17.31	17.14	
1.4	64QAM	1	5	17.11	16.90	17.30	
1.4	64QAM	3	0	17.16	17.28	16.99	18.5
1.4	64QAM	3	1	17.12	17.12	16.97	
1.4	64QAM	3	3	17.16	16.92	17.01	
1.4	64QAM	6	0	17.13	16.99	17.04	18.5
1.4	256QAM	1	0	17.34	17.36	17.41	18.5
1.4	256QAM	1	3	17.50	17.51	17.55	
1.4	256QAM	1	5	17.47	17.51	17.54	
1.4	256QAM	3	0	17.28	17.36	17.31	18.5
1.4	256QAM	3	1	17.35	17.45	17.39	
1.4	256QAM	3	3	17.51	17.50	17.52	
1.4	256QAM	6	0	17.52	17.48	17.28	18.5



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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	18.97	19.36	19.07	20.1
20	QPSK	1	49	19.19	19.14	18.83	
20	QPSK	1	99	19.01	18.72	19.27	
20	QPSK	50	0	19.12	19.27	19.10	20.1
20	QPSK	50	24	19.19	19.11	19.13	
20	QPSK	50	50	19.18	18.92	19.21	
20	QPSK	100	0	19.16	19.11	19.17	
20	16QAM	1	0	19.35	19.50	19.40	20.1
20	16QAM	1	49	19.41	19.35	19.36	
20	16QAM	1	99	19.28	19.00	19.45	
20	16QAM	50	0	19.12	19.28	19.08	20.1
20	16QAM	50	24	19.16	19.12	19.11	
20	16QAM	50	50	19.14	18.94	19.19	
20	16QAM	100	0	19.10	19.06	19.11	
20	64QAM	1	0	19.19	19.47	19.12	20.1
20	64QAM	1	49	19.41	19.25	19.16	
20	64QAM	1	99	19.25	18.88	19.42	
20	64QAM	50	0	19.14	19.28	19.11	20.1
20	64QAM	50	24	19.17	19.14	19.14	
20	64QAM	50	50	19.16	18.96	19.21	
20	64QAM	100	0	19.15	19.09	19.10	
20	256QAM	1	0	18.83	19.21	18.96	20
20	256QAM	1	49	19.08	18.98	18.81	
20	256QAM	1	99	19.01	18.76	19.36	
20	256QAM	50	0	19.12	19.14	19.05	20
20	256QAM	50	24	19.25	19.08	19.08	
20	256QAM	50	50	19.14	18.88	19.23	
20	256QAM	100	0	19.15	19.04	19.11	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	18.88	19.32	19.01	20.1
15	QPSK	1	37	19.09	19.08	18.75	
15	QPSK	1	74	18.94	18.72	19.17	
15	QPSK	36	0	19.02	19.20	19.02	20.1
15	QPSK	36	20	19.10	19.04	19.10	
15	QPSK	36	39	19.09	18.89	19.18	
15	QPSK	75	0	19.10	19.06	19.16	
15	16QAM	1	0	19.27	19.41	19.34	20.1
15	16QAM	1	37	19.35	19.33	19.29	
15	16QAM	1	74	19.21	18.96	19.35	
15	16QAM	36	0	19.05	19.20	19.03	20.1
15	16QAM	36	20	19.06	19.04	19.06	
15	16QAM	36	39	19.10	18.94	19.09	
15	16QAM	75	0	19.10	18.99	19.01	
15	64QAM	1	0	19.09	19.46	19.03	20.1
15	64QAM	1	37	19.31	19.16	19.13	
15	64QAM	1	74	19.18	18.79	19.33	
15	64QAM	36	0	19.06	19.27	19.06	20.1
15	64QAM	36	20	19.17	19.06	19.14	
15	64QAM	36	39	19.15	18.88	19.12	
15	64QAM	75	0	19.07	19.02	19.06	
15	256QAM	1	0	18.79	19.20	18.88	20
15	256QAM	1	37	18.98	18.97	18.78	
15	256QAM	1	74	18.93	18.74	19.33	
15	256QAM	36	0	19.02	19.10	18.96	20
15	256QAM	36	20	19.17	19.01	19.07	



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15	256QAM	36	39	19.10	18.80	19.20		
15	256QAM	75	0	19.06	18.98	19.05		
Channel				18650	18900	19150	Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	18.93	19.36	18.98	20.1	
10	QPSK	1	25	19.18	19.11	18.79		
10	QPSK	1	49	18.93	18.82	19.19		
10	QPSK	25	0	19.11	19.27	19.05	20.1	
10	QPSK	25	12	19.13	19.04	19.09		
10	QPSK	25	25	19.16	18.86	19.17		
10	QPSK	50	0	19.12	19.10	19.13		
10	16QAM	1	0	19.31	19.41	19.39		
10	16QAM	1	25	19.33	19.31	19.29	20.1	
10	16QAM	1	49	19.20	18.91	19.44		
10	16QAM	25	0	19.02	19.22	19.07	20.1	
10	16QAM	25	12	19.06	19.09	19.01		
10	16QAM	25	25	19.13	18.89	19.15		
10	16QAM	50	0	19.02	18.96	19.05		
10	64QAM	1	0	19.12	19.37	19.04		
10	64QAM	1	25	19.32	19.23	19.11	20.1	
10	64QAM	1	49	19.23	18.82	19.34		
10	64QAM	25	0	19.05	19.19	19.04		
10	64QAM	25	12	19.08	19.12	19.12	20.1	
10	64QAM	25	25	19.11	18.90	19.14		
10	64QAM	50	0	19.11	19.05	19.02		
10	256QAM	1	0	18.76	19.16	18.90		
10	256QAM	1	25	19.01	18.91	18.75		
10	256QAM	1	49	18.98	18.66	19.27	20	
10	256QAM	25	0	19.09	19.13	18.97		
10	256QAM	25	12	19.22	19.05	19.07		
10	256QAM	25	25	19.09	18.81	19.15	20	
10	256QAM	50	0	19.15	18.95	19.01		
Channel				18625	18900	19175		Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	18.95	19.26	18.99		20.1
5	QPSK	1	12	19.11	19.11	18.83		
5	QPSK	1	24	18.91	18.81	19.27		
5	QPSK	12	0	19.02	19.27	19.06	20.1	
5	QPSK	12	7	19.16	19.11	19.08		
5	QPSK	12	13	19.09	18.82	19.12		
5	QPSK	25	0	19.15	19.09	19.17		
5	16QAM	1	0	19.26	19.40	19.31		
5	16QAM	1	12	19.41	19.27	19.27	20.1	
5	16QAM	1	24	19.25	18.98	19.38		
5	16QAM	12	0	19.08	19.28	19.05		
5	16QAM	12	7	19.11	19.04	19.03	20.1	
5	16QAM	12	13	19.08	18.90	19.11		
5	16QAM	25	0	19.02	19.01	19.09		
5	64QAM	1	0	19.16	19.39	19.07		
5	64QAM	1	12	19.36	19.22	19.16		
5	64QAM	1	24	19.24	18.87	19.42	20.1	
5	64QAM	12	0	19.08	19.28	19.04		
5	64QAM	12	7	19.12	19.04	19.07		
5	64QAM	12	13	19.15	18.95	19.11	20.1	
5	64QAM	25	0	19.10	19.04	19.07		
5	256QAM	1	0	18.76	19.11	18.91		
5	256QAM	1	12	19.01	18.94	18.76		
5	256QAM	1	24	18.93	18.66	19.31		
5	256QAM	12	0	19.03	19.05	18.96	20	
5	256QAM	12	7	19.19	18.99	18.98		
5	256QAM	12	13	19.04	18.85	19.21		
5	256QAM	25	0	19.09	18.98	19.08		
Channel				18615	18900	19185		Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	18.90	19.26	18.99	20.1
3	QPSK	1	8	19.14	19.06	18.74	
3	QPSK	1	14	19.01	18.76	19.25	
3	QPSK	8	0	19.11	19.22	19.01	20.1
3	QPSK	8	4	19.19	19.11	19.13	
3	QPSK	8	7	19.18	18.87	19.20	
3	QPSK	15	0	19.06	19.05	19.09	
3	16QAM	1	0	19.30	19.49	19.32	20.1
3	16QAM	1	8	19.40	19.34	19.26	
3	16QAM	1	14	19.26	18.91	19.43	
3	16QAM	8	0	19.12	19.18	19.06	20.1
3	16QAM	8	4	19.09	19.08	19.02	
3	16QAM	8	7	19.14	18.85	19.11	
3	16QAM	15	0	19.07	18.99	19.06	
3	64QAM	1	0	19.11	19.45	19.11	
3	64QAM	1	8	19.35	19.25	19.15	20.1
3	64QAM	1	14	19.22	18.81	19.34	
3	64QAM	8	0	19.04	19.26	19.02	
3	64QAM	8	4	19.14	19.13	19.10	20.1
3	64QAM	8	7	19.11	18.88	19.16	
3	64QAM	15	0	19.10	19.04	19.10	
3	256QAM	1	0	18.81	19.17	18.96	
3	256QAM	1	8	19.00	18.88	18.74	20
3	256QAM	1	14	18.95	18.68	19.36	
3	256QAM	8	0	19.08	19.09	19.04	20
3	256QAM	8	4	19.16	19.06	19.03	
3	256QAM	8	7	19.10	18.80	19.16	
3	256QAM	15	0	19.12	19.04	19.02	
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	18.94	19.26	19.04	20.1
1.4	QPSK	1	3	19.12	19.14	18.76	
1.4	QPSK	1	5	18.94	18.79	19.23	
1.4	QPSK	3	0	19.06	19.25	19.07	
1.4	QPSK	3	1	19.19	19.11	19.13	
1.4	QPSK	3	3	19.12	18.87	19.18	
1.4	QPSK	6	0	19.16	19.11	19.16	20.1
1.4	16QAM	1	0	19.26	19.44	19.34	20.1
1.4	16QAM	1	3	19.35	19.27	19.30	
1.4	16QAM	1	5	19.22	18.95	19.44	
1.4	16QAM	3	0	19.02	19.23	19.06	
1.4	16QAM	3	1	19.09	19.08	19.08	
1.4	16QAM	3	3	19.10	18.94	19.11	
1.4	16QAM	6	0	19.06	19.01	19.11	20.1
1.4	64QAM	1	0	19.17	19.39	19.05	20.1
1.4	64QAM	1	3	19.35	19.22	19.12	
1.4	64QAM	1	5	19.24	18.84	19.33	
1.4	64QAM	3	0	19.05	19.28	19.11	
1.4	64QAM	3	1	19.15	19.05	19.09	
1.4	64QAM	3	3	19.13	18.89	19.16	20.1
1.4	64QAM	6	0	19.14	19.04	19.02	
1.4	256QAM	1	0	18.80	19.20	18.90	20
1.4	256QAM	1	3	19.08	18.97	18.80	
1.4	256QAM	1	5	18.99	18.75	19.28	
1.4	256QAM	3	0	19.11	19.13	18.99	
1.4	256QAM	3	1	19.24	19.02	19.02	
1.4	256QAM	3	3	19.07	18.87	19.17	
1.4	256QAM	6	0	19.08	19.00	19.03	20



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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	18.97	19.36	19.07	19.4
20	QPSK	1	49	19.19	19.14	18.83	
20	QPSK	1	99	19.01	18.72	19.27	
20	QPSK	50	0	19.12	19.27	19.10	19.4
20	QPSK	50	24	19.19	19.11	19.13	
20	QPSK	50	50	19.18	18.92	19.21	
20	QPSK	100	0	19.16	19.11	19.17	19.4
20	16QAM	1	0	19.35	19.50	19.40	
20	16QAM	1	49	19.41	19.35	19.36	
20	16QAM	1	99	19.28	19.00	19.45	19.4
20	16QAM	50	0	19.12	19.28	19.08	
20	16QAM	50	24	19.16	19.12	19.11	
20	16QAM	50	50	19.14	18.94	19.19	19.4
20	16QAM	100	0	19.10	19.06	19.11	
20	64QAM	1	0	19.19	19.47	19.12	
20	64QAM	1	49	19.41	19.25	19.16	19.4
20	64QAM	1	99	19.25	18.88	19.42	
20	64QAM	50	0	19.14	19.28	19.11	
20	64QAM	50	24	19.17	19.14	19.14	19.4
20	64QAM	50	50	19.16	18.96	19.21	
20	64QAM	100	0	19.15	19.09	19.10	
20	256QAM	1	0	18.83	19.21	18.96	19.4
20	256QAM	1	49	19.08	18.98	18.81	
20	256QAM	1	99	19.01	18.76	19.36	
20	256QAM	50	0	19.12	19.14	19.05	19.4
20	256QAM	50	24	19.25	19.08	19.08	
20	256QAM	50	50	19.14	18.88	19.23	
20	256QAM	100	0	19.15	19.04	19.11	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	18.88	19.32	19.01	19.4
15	QPSK	1	37	19.09	19.08	18.75	
15	QPSK	1	74	18.94	18.72	19.17	
15	QPSK	36	0	19.02	19.20	19.02	19.4
15	QPSK	36	20	19.10	19.04	19.10	
15	QPSK	36	39	19.09	18.89	19.18	
15	QPSK	75	0	19.10	19.06	19.16	19.4
15	16QAM	1	0	19.27	19.41	19.34	
15	16QAM	1	37	19.35	19.33	19.29	
15	16QAM	1	74	19.21	18.96	19.35	19.4
15	16QAM	36	0	19.05	19.20	19.03	
15	16QAM	36	20	19.06	19.04	19.06	
15	16QAM	36	39	19.10	18.94	19.09	19.4
15	16QAM	75	0	19.10	18.99	19.01	
15	64QAM	1	0	19.09	19.46	19.03	
15	64QAM	1	37	19.31	19.16	19.13	19.4
15	64QAM	1	74	19.18	18.79	19.33	
15	64QAM	36	0	19.06	19.27	19.06	
15	64QAM	36	20	19.17	19.06	19.14	19.4
15	64QAM	36	39	19.15	18.88	19.12	
15	64QAM	75	0	19.07	19.02	19.06	
15	256QAM	1	0	18.79	19.20	18.88	19.4
15	256QAM	1	37	18.98	18.97	18.78	
15	256QAM	1	74	18.93	18.74	19.33	
15	256QAM	36	0	19.02	19.10	18.96	19.4
15	256QAM	36	20	19.17	19.01	19.07	



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15	256QAM	36	39	19.10	18.80	19.20	
15	256QAM	75	0	19.06	18.98	19.05	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	18.93	19.36	18.98	19.4
10	QPSK	1	25	19.18	19.11	18.79	
10	QPSK	1	49	18.93	18.82	19.19	
10	QPSK	25	0	19.11	19.27	19.05	19.4
10	QPSK	25	12	19.13	19.04	19.09	
10	QPSK	25	25	19.16	18.86	19.17	
10	QPSK	50	0	19.12	19.10	19.13	
10	16QAM	1	0	19.31	19.41	19.39	
10	16QAM	1	25	19.33	19.31	19.29	19.4
10	16QAM	1	49	19.20	18.91	19.44	
10	16QAM	25	0	19.02	19.22	19.07	19.4
10	16QAM	25	12	19.06	19.09	19.01	
10	16QAM	25	25	19.13	18.89	19.15	
10	16QAM	50	0	19.02	18.96	19.05	
10	64QAM	1	0	19.12	19.37	19.04	
10	64QAM	1	25	19.32	19.23	19.11	19.4
10	64QAM	1	49	19.23	18.82	19.34	
10	64QAM	25	0	19.05	19.19	19.04	
10	64QAM	25	12	19.08	19.12	19.12	19.4
10	64QAM	25	25	19.11	18.90	19.14	
10	64QAM	50	0	19.11	19.05	19.02	
10	256QAM	1	0	18.76	19.16	18.90	
10	256QAM	1	25	19.01	18.91	18.75	
10	256QAM	1	49	18.98	18.66	19.27	19.4
10	256QAM	25	0	19.09	19.13	18.97	
10	256QAM	25	12	19.22	19.05	19.07	
10	256QAM	25	25	19.09	18.81	19.15	
10	256QAM	50	0	19.15	18.95	19.01	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	18.95	19.26	18.99	19.4
5	QPSK	1	12	19.11	19.11	18.83	
5	QPSK	1	24	18.91	18.81	19.27	
5	QPSK	12	0	19.02	19.27	19.06	19.4
5	QPSK	12	7	19.16	19.11	19.08	
5	QPSK	12	13	19.09	18.82	19.12	
5	QPSK	25	0	19.15	19.09	19.17	
5	16QAM	1	0	19.26	19.40	19.31	
5	16QAM	1	12	19.41	19.27	19.27	19.4
5	16QAM	1	24	19.25	18.98	19.38	
5	16QAM	12	0	19.08	19.28	19.05	
5	16QAM	12	7	19.11	19.04	19.03	19.4
5	16QAM	12	13	19.08	18.90	19.11	
5	16QAM	25	0	19.02	19.01	19.09	
5	64QAM	1	0	19.16	19.39	19.07	
5	64QAM	1	12	19.36	19.22	19.16	
5	64QAM	1	24	19.24	18.87	19.42	19.4
5	64QAM	12	0	19.08	19.28	19.04	
5	64QAM	12	7	19.12	19.04	19.07	
5	64QAM	12	13	19.15	18.95	19.11	
5	64QAM	25	0	19.10	19.04	19.07	
5	256QAM	1	0	18.76	19.11	18.91	19.4
5	256QAM	1	12	19.01	18.94	18.76	
5	256QAM	1	24	18.93	18.66	19.31	
5	256QAM	12	0	19.03	19.05	18.96	
5	256QAM	12	7	19.19	18.99	18.98	
5	256QAM	12	13	19.04	18.85	19.21	19.4
5	256QAM	25	0	19.09	18.98	19.08	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	18.90	19.26	18.99	19.4
3	QPSK	1	8	19.14	19.06	18.74	
3	QPSK	1	14	19.01	18.76	19.25	
3	QPSK	8	0	19.11	19.22	19.01	19.4
3	QPSK	8	4	19.19	19.11	19.13	
3	QPSK	8	7	19.18	18.87	19.20	
3	QPSK	15	0	19.06	19.05	19.09	
3	16QAM	1	0	19.30	19.49	19.32	19.4
3	16QAM	1	8	19.40	19.34	19.26	
3	16QAM	1	14	19.26	18.91	19.43	
3	16QAM	8	0	19.12	19.18	19.06	19.4
3	16QAM	8	4	19.09	19.08	19.02	
3	16QAM	8	7	19.14	18.85	19.11	
3	16QAM	15	0	19.07	18.99	19.06	
3	64QAM	1	0	19.11	19.45	19.11	
3	64QAM	1	8	19.35	19.25	19.15	19.4
3	64QAM	1	14	19.22	18.81	19.34	
3	64QAM	8	0	19.04	19.26	19.02	
3	64QAM	8	4	19.14	19.13	19.10	19.4
3	64QAM	8	7	19.11	18.88	19.16	
3	64QAM	15	0	19.10	19.04	19.10	
3	256QAM	1	0	18.81	19.17	18.96	
3	256QAM	1	8	19.00	18.88	18.74	19.4
3	256QAM	1	14	18.95	18.68	19.36	
3	256QAM	8	0	19.08	19.09	19.04	
3	256QAM	8	4	19.16	19.06	19.03	19.4
3	256QAM	8	7	19.10	18.80	19.16	
3	256QAM	15	0	19.12	19.04	19.02	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	18.94	19.26	19.04	19.4
1.4	QPSK	1	3	19.12	19.14	18.76	
1.4	QPSK	1	5	18.94	18.79	19.23	
1.4	QPSK	3	0	19.06	19.25	19.07	
1.4	QPSK	3	1	19.19	19.11	19.13	
1.4	QPSK	3	3	19.12	18.87	19.18	
1.4	QPSK	6	0	19.16	19.11	19.16	19.4
1.4	16QAM	1	0	19.26	19.44	19.34	19.4
1.4	16QAM	1	3	19.35	19.27	19.30	
1.4	16QAM	1	5	19.22	18.95	19.44	
1.4	16QAM	3	0	19.02	19.23	19.06	
1.4	16QAM	3	1	19.09	19.08	19.08	
1.4	16QAM	3	3	19.10	18.94	19.11	
1.4	16QAM	6	0	19.06	19.01	19.11	19.4
1.4	64QAM	1	0	19.17	19.39	19.05	19.4
1.4	64QAM	1	3	19.35	19.22	19.12	
1.4	64QAM	1	5	19.24	18.84	19.33	
1.4	64QAM	3	0	19.05	19.28	19.11	
1.4	64QAM	3	1	19.15	19.05	19.09	
1.4	64QAM	3	3	19.13	18.89	19.16	19.4
1.4	64QAM	6	0	19.14	19.04	19.02	
1.4	256QAM	1	0	18.80	19.20	18.90	
1.4	256QAM	1	3	19.08	18.97	18.80	19.4
1.4	256QAM	1	5	18.99	18.75	19.28	
1.4	256QAM	3	0	19.11	19.13	18.99	
1.4	256QAM	3	1	19.24	19.02	19.02	
1.4	256QAM	3	3	19.07	18.87	19.17	
1.4	256QAM	6	0	19.08	19.00	19.03	19.4



<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	16.16	16.37	16.29	17.2
20	QPSK	1	49	16.15	16.36	16.25	
20	QPSK	1	99	16.15	16.12	16.24	
20	QPSK	50	0	16.21	16.33	16.28	17.2
20	QPSK	50	24	16.20	16.26	16.27	
20	QPSK	50	50	16.18	16.17	16.22	
20	QPSK	100	0	16.24	16.25	16.24	
20	16QAM	1	0	16.18	16.36	16.16	17.2
20	16QAM	1	49	16.06	16.36	16.20	
20	16QAM	1	99	16.12	16.12	16.00	
20	16QAM	50	0	16.24	16.26	16.17	17.2
20	16QAM	50	24	16.33	16.23	16.27	
20	16QAM	50	50	16.15	16.08	16.29	
20	16QAM	100	0	16.18	16.22	16.16	
20	64QAM	1	0	16.15	16.29	16.13	17.2
20	64QAM	1	49	16.01	16.34	16.14	
20	64QAM	1	99	16.23	16.24	16.11	
20	64QAM	50	0	16.29	16.23	16.23	17.2
20	64QAM	50	24	16.28	16.16	16.24	
20	64QAM	50	50	16.14	16.11	16.19	
20	64QAM	100	0	16.19	16.23	16.16	
20	256QAM	1	0	16.25	16.33	16.24	17.2
20	256QAM	1	49	16.07	16.28	16.25	
20	256QAM	1	99	16.17	16.16	16.20	
20	256QAM	50	0	16.28	16.25	16.12	17.2
20	256QAM	50	24	16.36	16.31	16.17	
20	256QAM	50	50	16.25	16.22	16.27	
20	256QAM	100	0	16.23	16.12	16.29	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.27	16.31	16.30	17.2
15	QPSK	1	37	16.29	16.29	16.29	
15	QPSK	1	74	16.11	16.08	16.08	
15	QPSK	36	0	16.26	16.28	16.24	17.2
15	QPSK	36	20	16.18	16.23	16.24	
15	QPSK	36	39	16.08	16.08	16.15	
15	QPSK	75	0	16.18	16.16	16.22	
15	16QAM	1	0	16.36	16.33	16.36	17.2
15	16QAM	1	37	16.35	16.26	16.35	
15	16QAM	1	74	16.05	16.06	16.12	
15	16QAM	36	0	16.21	16.21	16.23	17.2
15	16QAM	36	20	16.21	16.23	16.21	
15	16QAM	36	39	16.20	16.06	16.04	
15	16QAM	75	0	16.16	16.19	16.22	
15	64QAM	1	0	16.22	16.20	16.19	17.2
15	64QAM	1	37	16.28	16.28	16.32	
15	64QAM	1	74	16.19	16.14	16.22	
15	64QAM	36	0	16.18	16.18	16.14	17.2
15	64QAM	36	20	16.07	16.13	16.09	
15	64QAM	36	39	16.08	16.06	16.05	
15	64QAM	75	0	16.22	16.20	16.19	
15	256QAM	1	0	16.28	16.33	16.25	17.2
15	256QAM	1	37	16.28	16.18	16.22	
15	256QAM	1	74	16.09	16.10	16.08	
15	256QAM	36	0	16.18	16.16	16.19	17.2
15	256QAM	36	20	16.24	16.22	16.28	17.2



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15	256QAM	36	39	16.14	16.17	16.17	
15	256QAM	75	0	16.06	16.02	16.10	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	16.30	16.27	16.33	17.2
10	QPSK	1	25	16.32	16.29	16.36	
10	QPSK	1	49	16.09	16.11	16.12	
10	QPSK	25	0	16.32	16.29	16.31	17.2
10	QPSK	25	12	16.23	16.18	16.23	
10	QPSK	25	25	16.07	16.10	16.10	
10	QPSK	50	0	16.23	16.19	16.16	17.2
10	16QAM	1	0	16.27	16.32	16.31	
10	16QAM	1	25	16.35	16.26	16.26	
10	16QAM	1	49	16.12	16.11	16.09	17.2
10	16QAM	25	0	16.18	16.21	16.22	
10	16QAM	25	12	16.21	16.18	16.15	
10	16QAM	25	25	16.06	16.01	16.20	17.2
10	16QAM	50	0	16.16	16.19	16.22	
10	64QAM	1	0	16.21	16.28	16.20	
10	64QAM	1	25	16.28	16.31	16.30	17.2
10	64QAM	1	49	16.19	16.19	16.18	
10	64QAM	25	0	16.21	16.16	16.20	
10	64QAM	25	12	16.14	16.10	16.16	17.2
10	64QAM	25	25	16.04	16.09	16.07	
10	64QAM	50	0	16.22	16.15	16.18	
10	256QAM	1	0	16.31	16.23	16.32	17.2
10	256QAM	1	25	16.24	16.20	16.25	
10	256QAM	1	49	16.11	16.06	16.10	
10	256QAM	25	0	16.25	16.17	16.20	17.2
10	256QAM	25	12	16.24	16.25	16.22	
10	256QAM	25	25	16.18	16.19	16.22	
10	256QAM	50	0	16.02	16.12	16.05	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	16.34	16.35	16.33	17.2
5	QPSK	1	12	16.27	16.31	16.36	
5	QPSK	1	24	16.08	16.05	16.12	
5	QPSK	12	0	16.29	16.26	16.23	17.2
5	QPSK	12	7	16.18	16.25	16.18	
5	QPSK	12	13	16.08	16.08	16.10	
5	QPSK	25	0	16.25	16.16	16.20	17.2
5	16QAM	1	0	16.27	16.34	16.31	
5	16QAM	1	12	16.31	16.35	16.32	
5	16QAM	1	24	16.08	16.09	16.06	17.2
5	16QAM	12	0	16.26	16.26	16.22	
5	16QAM	12	7	16.23	16.16	16.20	
5	16QAM	12	13	16.07	16.04	16.05	17.2
5	16QAM	25	0	16.15	16.21	16.15	
5	64QAM	1	0	16.23	16.24	16.29	
5	64QAM	1	12	16.34	16.24	16.29	17.2
5	64QAM	1	24	16.23	16.22	16.17	
5	64QAM	12	0	16.14	16.17	16.20	
5	64QAM	12	7	16.09	16.09	16.16	17.2
5	64QAM	12	13	16.06	16.10	16.07	
5	64QAM	25	0	16.21	16.14	16.23	
5	256QAM	1	0	16.28	16.30	16.33	17.2
5	256QAM	1	12	16.23	16.24	16.27	
5	256QAM	1	24	16.08	16.09	16.14	
5	256QAM	12	0	16.23	16.24	16.16	17.2
5	256QAM	12	7	16.22	16.30	16.23	
5	256QAM	12	13	16.17	16.20	16.14	
5	256QAM	25	0	16.02	16.04	16.11	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	16.31	16.35	16.31	17.2
3	QPSK	1	8	16.33	16.26	16.33	
3	QPSK	1	14	16.03	16.10	16.02	
3	QPSK	8	0	16.33	16.29	16.31	17.2
3	QPSK	8	4	16.18	16.26	16.20	
3	QPSK	8	7	16.07	16.08	16.12	
3	QPSK	15	0	16.24	16.22	16.18	
3	16QAM	1	0	16.33	16.34	16.31	17.2
3	16QAM	1	8	16.29	16.31	16.27	
3	16QAM	1	14	16.08	16.06	16.11	
3	16QAM	8	0	16.17	16.24	16.24	17.2
3	16QAM	8	4	16.17	16.19	16.18	
3	16QAM	8	7	16.05	16.07	16.06	
3	16QAM	15	0	16.16	16.22	16.12	
3	64QAM	1	0	16.23	16.28	16.19	
3	64QAM	1	8	16.25	16.26	16.28	17.2
3	64QAM	1	14	16.15	16.18	16.22	
3	64QAM	8	0	16.21	16.18	16.20	
3	64QAM	8	4	16.13	16.08	16.14	17.2
3	64QAM	8	7	16.05	16.09	16.04	
3	64QAM	15	0	16.22	16.17	16.14	
3	256QAM	1	0	16.24	16.30	16.26	
3	256QAM	1	8	16.18	16.28	16.23	17.2
3	256QAM	1	14	16.10	16.11	16.11	
3	256QAM	8	0	16.21	16.22	16.17	
3	256QAM	8	4	16.22	16.31	16.24	17.2
3	256QAM	8	7	16.17	16.12	16.18	
3	256QAM	15	0	16.11	16.05	16.10	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.29	16.36	16.36	17.2
1.4	QPSK	1	3	16.27	16.27	16.26	
1.4	QPSK	1	5	16.11	16.09	16.11	
1.4	QPSK	3	0	16.28	16.32	16.31	
1.4	QPSK	3	1	16.17	16.24	16.19	
1.4	QPSK	3	3	16.07	16.16	16.11	
1.4	QPSK	6	0	16.18	16.20	16.18	17.2
1.4	16QAM	1	0	16.29	16.28	16.28	17.2
1.4	16QAM	1	3	16.28	16.35	16.29	
1.4	16QAM	1	5	16.06	16.08	16.07	
1.4	16QAM	3	0	16.26	16.19	16.16	
1.4	16QAM	3	1	16.20	16.18	16.19	
1.4	16QAM	3	3	16.00	16.03	16.05	
1.4	16QAM	6	0	16.17	16.12	16.20	17.2
1.4	64QAM	1	0	16.28	16.19	16.29	17.2
1.4	64QAM	1	3	16.26	16.26	16.27	
1.4	64QAM	1	5	16.17	16.23	16.17	
1.4	64QAM	3	0	16.16	16.13	16.22	
1.4	64QAM	3	1	16.11	16.14	16.14	
1.4	64QAM	3	3	16.10	16.06	16.11	
1.4	64QAM	6	0	16.20	16.16	16.18	17.2
1.4	256QAM	1	0	16.29	16.24	16.27	17.2
1.4	256QAM	1	3	16.19	16.27	16.18	
1.4	256QAM	1	5	16.15	16.13	16.15	
1.4	256QAM	3	0	16.23	16.19	16.20	
1.4	256QAM	3	1	16.28	16.29	16.29	
1.4	256QAM	3	3	16.18	16.15	16.19	
1.4	256QAM	6	0	16.07	16.11	16.09	17.2



<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	16.16	16.37	16.29	16.5
20	QPSK	1	49	16.15	16.36	16.25	
20	QPSK	1	99	16.15	16.12	16.24	
20	QPSK	50	0	16.21	16.33	16.28	16.5
20	QPSK	50	24	16.20	16.26	16.27	
20	QPSK	50	50	16.18	16.17	16.22	
20	QPSK	100	0	16.24	16.25	16.24	
20	16QAM	1	0	16.18	16.36	16.16	16.5
20	16QAM	1	49	16.06	16.36	16.20	
20	16QAM	1	99	16.12	16.12	16.00	
20	16QAM	50	0	16.24	16.26	16.17	16.5
20	16QAM	50	24	16.33	16.23	16.27	
20	16QAM	50	50	16.15	16.08	16.29	
20	16QAM	100	0	16.18	16.22	16.16	
20	64QAM	1	0	16.15	16.29	16.13	16.5
20	64QAM	1	49	16.01	16.34	16.14	
20	64QAM	1	99	16.23	16.24	16.11	
20	64QAM	50	0	16.29	16.23	16.23	16.5
20	64QAM	50	24	16.28	16.16	16.24	
20	64QAM	50	50	16.14	16.11	16.19	
20	64QAM	100	0	16.19	16.23	16.16	
20	256QAM	1	0	16.25	16.33	16.24	16.5
20	256QAM	1	49	16.07	16.28	16.25	
20	256QAM	1	99	16.17	16.16	16.20	
20	256QAM	50	0	16.28	16.25	16.12	16.5
20	256QAM	50	24	16.36	16.31	16.17	
20	256QAM	50	50	16.25	16.22	16.27	
20	256QAM	100	0	16.23	16.12	16.29	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.27	16.31	16.30	16.5
15	QPSK	1	37	16.29	16.29	16.29	
15	QPSK	1	74	16.11	16.08	16.08	
15	QPSK	36	0	16.26	16.28	16.24	16.5
15	QPSK	36	20	16.18	16.23	16.24	
15	QPSK	36	39	16.08	16.08	16.15	
15	QPSK	75	0	16.18	16.16	16.22	
15	16QAM	1	0	16.36	16.33	16.36	16.5
15	16QAM	1	37	16.35	16.26	16.35	
15	16QAM	1	74	16.05	16.06	16.12	
15	16QAM	36	0	16.21	16.21	16.23	16.5
15	16QAM	36	20	16.21	16.23	16.21	
15	16QAM	36	39	16.20	16.06	16.04	
15	16QAM	75	0	16.16	16.19	16.22	
15	64QAM	1	0	16.22	16.20	16.19	16.5
15	64QAM	1	37	16.28	16.28	16.32	
15	64QAM	1	74	16.19	16.14	16.22	
15	64QAM	36	0	16.18	16.18	16.14	16.5
15	64QAM	36	20	16.07	16.13	16.09	
15	64QAM	36	39	16.08	16.06	16.05	
15	64QAM	75	0	16.22	16.20	16.19	
15	256QAM	1	0	16.28	16.33	16.25	16.5
15	256QAM	1	37	16.28	16.18	16.22	
15	256QAM	1	74	16.09	16.10	16.08	
15	256QAM	36	0	16.18	16.16	16.19	16.5
15	256QAM	36	20	16.24	16.22	16.28	16.5



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15	256QAM	36	39	16.14	16.17	16.17	
15	256QAM	75	0	16.06	16.02	16.10	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	16.30	16.27	16.33	16.5
10	QPSK	1	25	16.32	16.29	16.36	
10	QPSK	1	49	16.09	16.11	16.12	
10	QPSK	25	0	16.32	16.29	16.31	16.5
10	QPSK	25	12	16.23	16.18	16.23	
10	QPSK	25	25	16.07	16.10	16.10	
10	QPSK	50	0	16.23	16.19	16.16	
10	16QAM	1	0	16.27	16.32	16.31	
10	16QAM	1	25	16.35	16.26	16.26	16.5
10	16QAM	1	49	16.12	16.11	16.09	
10	16QAM	25	0	16.18	16.21	16.22	16.5
10	16QAM	25	12	16.21	16.18	16.15	
10	16QAM	25	25	16.06	16.01	16.20	
10	16QAM	50	0	16.16	16.19	16.22	
10	64QAM	1	0	16.21	16.28	16.20	
10	64QAM	1	25	16.28	16.31	16.30	16.5
10	64QAM	1	49	16.19	16.19	16.18	
10	64QAM	25	0	16.21	16.16	16.20	
10	64QAM	25	12	16.14	16.10	16.16	16.5
10	64QAM	25	25	16.04	16.09	16.07	
10	64QAM	50	0	16.22	16.15	16.18	
10	256QAM	1	0	16.31	16.23	16.32	
10	256QAM	1	25	16.24	16.20	16.25	
10	256QAM	1	49	16.11	16.06	16.10	16.5
10	256QAM	25	0	16.25	16.17	16.20	
10	256QAM	25	12	16.24	16.25	16.22	
10	256QAM	25	25	16.18	16.19	16.22	
10	256QAM	50	0	16.02	16.12	16.05	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	16.34	16.35	16.33	16.5
5	QPSK	1	12	16.27	16.31	16.36	
5	QPSK	1	24	16.08	16.05	16.12	
5	QPSK	12	0	16.29	16.26	16.23	16.5
5	QPSK	12	7	16.18	16.25	16.18	
5	QPSK	12	13	16.08	16.08	16.10	
5	QPSK	25	0	16.25	16.16	16.20	
5	16QAM	1	0	16.27	16.34	16.31	
5	16QAM	1	12	16.31	16.35	16.32	16.5
5	16QAM	1	24	16.08	16.09	16.06	
5	16QAM	12	0	16.26	16.26	16.22	
5	16QAM	12	7	16.23	16.16	16.20	16.5
5	16QAM	12	13	16.07	16.04	16.05	
5	16QAM	25	0	16.15	16.21	16.15	
5	64QAM	1	0	16.23	16.24	16.29	
5	64QAM	1	12	16.34	16.24	16.29	
5	64QAM	1	24	16.23	16.22	16.17	16.5
5	64QAM	12	0	16.14	16.17	16.20	
5	64QAM	12	7	16.09	16.09	16.16	
5	64QAM	12	13	16.06	16.10	16.07	
5	64QAM	25	0	16.21	16.14	16.23	
5	256QAM	1	0	16.28	16.30	16.33	16.5
5	256QAM	1	12	16.23	16.24	16.27	
5	256QAM	1	24	16.08	16.09	16.14	
5	256QAM	12	0	16.23	16.24	16.16	
5	256QAM	12	7	16.22	16.30	16.23	
5	256QAM	12	13	16.17	16.20	16.14	16.5
5	256QAM	25	0	16.02	16.04	16.11	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	16.31	16.35	16.31	16.5
3	QPSK	1	8	16.33	16.26	16.33	
3	QPSK	1	14	16.03	16.10	16.02	
3	QPSK	8	0	16.33	16.29	16.31	16.5
3	QPSK	8	4	16.18	16.26	16.20	
3	QPSK	8	7	16.07	16.08	16.12	
3	QPSK	15	0	16.24	16.22	16.18	
3	16QAM	1	0	16.33	16.34	16.31	16.5
3	16QAM	1	8	16.29	16.31	16.27	
3	16QAM	1	14	16.08	16.06	16.11	
3	16QAM	8	0	16.17	16.24	16.24	16.5
3	16QAM	8	4	16.17	16.19	16.18	
3	16QAM	8	7	16.05	16.07	16.06	
3	16QAM	15	0	16.16	16.22	16.12	
3	64QAM	1	0	16.23	16.28	16.19	
3	64QAM	1	8	16.25	16.26	16.28	16.5
3	64QAM	1	14	16.15	16.18	16.22	
3	64QAM	8	0	16.21	16.18	16.20	
3	64QAM	8	4	16.13	16.08	16.14	16.5
3	64QAM	8	7	16.05	16.09	16.04	
3	64QAM	15	0	16.22	16.17	16.14	
3	256QAM	1	0	16.24	16.30	16.26	
3	256QAM	1	8	16.18	16.28	16.23	16.5
3	256QAM	1	14	16.10	16.11	16.11	
3	256QAM	8	0	16.21	16.22	16.17	
3	256QAM	8	4	16.22	16.31	16.24	16.5
3	256QAM	8	7	16.17	16.12	16.18	
3	256QAM	15	0	16.11	16.05	16.10	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.29	16.36	16.36	16.5
1.4	QPSK	1	3	16.27	16.27	16.26	
1.4	QPSK	1	5	16.11	16.09	16.11	
1.4	QPSK	3	0	16.28	16.32	16.31	
1.4	QPSK	3	1	16.17	16.24	16.19	
1.4	QPSK	3	3	16.07	16.16	16.11	
1.4	QPSK	6	0	16.18	16.20	16.18	16.5
1.4	16QAM	1	0	16.29	16.28	16.28	16.5
1.4	16QAM	1	3	16.28	16.35	16.29	
1.4	16QAM	1	5	16.06	16.08	16.07	
1.4	16QAM	3	0	16.26	16.19	16.16	
1.4	16QAM	3	1	16.20	16.18	16.19	
1.4	16QAM	3	3	16.00	16.03	16.05	
1.4	16QAM	6	0	16.17	16.12	16.20	16.5
1.4	64QAM	1	0	16.28	16.19	16.29	16.5
1.4	64QAM	1	3	16.26	16.26	16.27	
1.4	64QAM	1	5	16.17	16.23	16.17	
1.4	64QAM	3	0	16.16	16.13	16.22	
1.4	64QAM	3	1	16.11	16.14	16.14	
1.4	64QAM	3	3	16.10	16.06	16.11	
1.4	64QAM	6	0	16.20	16.16	16.18	16.5
1.4	256QAM	1	0	16.29	16.24	16.27	16.5
1.4	256QAM	1	3	16.19	16.27	16.18	
1.4	256QAM	1	5	16.15	16.13	16.15	
1.4	256QAM	3	0	16.23	16.19	16.20	
1.4	256QAM	3	1	16.28	16.29	16.29	
1.4	256QAM	3	3	16.18	16.15	16.19	
1.4	256QAM	6	0	16.07	16.11	16.09	16.5



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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	20.90	21.01	20.96	21.2
20	QPSK	1	49	20.89	20.90	20.95	
20	QPSK	1	99	20.86	20.80	20.86	
20	QPSK	50	0	20.95	21.00	20.99	21.2
20	QPSK	50	24	20.89	20.99	20.85	
20	QPSK	50	50	20.89	20.98	20.89	
20	QPSK	100	0	20.94	20.97	20.96	
20	16QAM	1	0	20.83	20.91	20.92	21.2
20	16QAM	1	49	20.89	20.80	20.91	
20	16QAM	1	99	20.81	20.78	20.79	
20	16QAM	50	0	20.94	20.96	20.95	21.2
20	16QAM	50	24	20.85	20.94	20.79	
20	16QAM	50	50	20.86	20.88	20.89	
20	16QAM	100	0	20.91	20.97	20.91	
20	64QAM	1	0	20.90	20.97	20.95	21.2
20	64QAM	1	49	20.79	20.87	20.89	
20	64QAM	1	99	20.86	20.71	20.81	
20	64QAM	50	0	20.87	20.97	20.93	21.2
20	64QAM	50	24	20.87	20.89	20.82	
20	64QAM	50	50	20.88	20.93	20.89	
20	64QAM	100	0	20.87	20.97	20.89	
20	256QAM	1	0	20.05	20.11	20.12	20.5
20	256QAM	1	49	20.09	20.00	20.15	
20	256QAM	1	99	19.92	19.76	19.95	
20	256QAM	50	0	19.87	19.83	19.91	20.5
20	256QAM	50	24	19.85	19.77	19.90	
20	256QAM	50	50	19.82	19.68	19.85	
20	256QAM	100	0	19.83	19.76	19.84	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.89	21.00	20.96	21.2
15	QPSK	1	37	20.88	20.93	20.91	
15	QPSK	1	74	20.91	20.76	20.81	
15	QPSK	36	0	20.99	20.98	20.99	21.2
15	QPSK	36	20	20.84	21.01	20.90	
15	QPSK	36	39	20.88	20.95	20.92	
15	QPSK	75	0	20.90	20.99	20.99	
15	16QAM	1	0	20.87	20.94	20.97	21.2
15	16QAM	1	37	20.85	20.76	20.95	
15	16QAM	1	74	20.82	20.82	20.76	
15	16QAM	36	0	20.90	20.93	20.93	21.2
15	16QAM	36	20	20.81	20.97	20.75	
15	16QAM	36	39	20.90	20.84	20.91	
15	16QAM	75	0	20.93	20.93	20.86	
15	64QAM	1	0	20.86	20.96	20.90	21.2
15	64QAM	1	37	20.79	20.92	20.88	
15	64QAM	1	74	20.87	20.72	20.84	
15	64QAM	36	0	20.88	21.00	20.95	21.2
15	64QAM	36	20	20.85	20.91	20.77	
15	64QAM	36	39	20.88	20.95	20.84	
15	64QAM	75	0	20.84	20.95	20.94	
15	256QAM	1	0	20.05	20.16	20.07	20.5
15	256QAM	1	37	20.05	20.04	20.13	
15	256QAM	1	74	19.87	19.73	19.95	
15	256QAM	36	0	19.83	19.85	19.95	20.5
15	256QAM	36	20	19.88	19.74	19.87	



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15	256QAM	36	39	19.83	19.63	19.81	
15	256QAM	75	0	19.86	19.77	19.88	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.88	20.96	20.96	21.2
10	QPSK	1	25	20.87	20.87	20.93	
10	QPSK	1	49	20.88	20.84	20.82	
10	QPSK	25	0	20.94	20.95	21.00	21.2
10	QPSK	25	12	20.85	21.00	20.88	
10	QPSK	25	25	20.86	21.00	20.92	
10	QPSK	50	0	20.93	20.93	20.91	
10	16QAM	1	0	20.87	20.86	20.93	
10	16QAM	1	25	20.86	20.84	20.89	21.2
10	16QAM	1	49	20.83	20.78	20.75	
10	16QAM	25	0	20.99	21.00	20.97	21.2
10	16QAM	25	12	20.81	20.97	20.84	
10	16QAM	25	25	20.86	20.91	20.85	
10	16QAM	50	0	20.96	20.93	20.88	
10	64QAM	1	0	20.90	20.99	20.99	
10	64QAM	1	25	20.74	20.88	20.90	21.2
10	64QAM	1	49	20.89	20.76	20.79	
10	64QAM	25	0	20.84	20.99	20.95	
10	64QAM	25	12	20.91	20.85	20.87	21.2
10	64QAM	25	25	20.93	20.89	20.87	
10	64QAM	50	0	20.86	20.92	20.94	
10	256QAM	1	0	20.03	20.15	20.07	
10	256QAM	1	25	20.12	19.97	20.11	
10	256QAM	1	49	19.90	19.71	19.95	20.5
10	256QAM	25	0	19.82	19.85	19.86	
10	256QAM	25	12	19.85	19.82	19.90	
10	256QAM	25	25	19.79	19.67	19.87	20.5
10	256QAM	50	0	19.86	19.73	19.89	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.92	21.00	21.00	21.2
5	QPSK	1	12	20.93	20.93	20.96	
5	QPSK	1	24	20.81	20.76	20.82	
5	QPSK	12	0	20.96	20.95	20.95	21.2
5	QPSK	12	7	20.85	20.96	20.89	
5	QPSK	12	13	20.89	20.99	20.89	
5	QPSK	25	0	20.94	20.93	20.98	
5	16QAM	1	0	20.82	20.95	20.91	
5	16QAM	1	12	20.86	20.80	20.96	21.2
5	16QAM	1	24	20.76	20.75	20.80	
5	16QAM	12	0	20.94	20.92	20.90	
5	16QAM	12	7	20.85	20.95	20.83	21.2
5	16QAM	12	13	20.90	20.93	20.88	
5	16QAM	25	0	20.86	20.99	20.90	
5	64QAM	1	0	20.86	20.97	20.97	
5	64QAM	1	12	20.78	20.82	20.94	
5	64QAM	1	24	20.91	20.79	20.79	21.2
5	64QAM	12	0	20.87	21.00	20.89	
5	64QAM	12	7	20.88	20.94	20.77	
5	64QAM	12	13	20.87	20.89	20.86	
5	64QAM	25	0	20.88	20.95	20.84	
5	256QAM	1	0	20.05	20.13	20.13	20.5
5	256QAM	1	12	20.13	19.99	20.13	
5	256QAM	1	24	19.96	19.78	19.98	
5	256QAM	12	0	19.91	19.85	19.92	
5	256QAM	12	7	19.86	19.73	19.92	
5	256QAM	12	13	19.87	19.63	19.85	20.5
5	256QAM	25	0	19.83	19.73	19.82	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	20.95	21.01	20.99	21.2
3	QPSK	1	8	20.90	20.93	20.95	
3	QPSK	1	14	20.82	20.84	20.85	
3	QPSK	8	0	20.99	21.00	20.96	21.2
3	QPSK	8	4	20.88	20.98	20.84	
3	QPSK	8	7	20.88	21.00	20.91	
3	QPSK	15	0	20.97	20.97	20.97	
3	16QAM	1	0	20.88	20.86	20.88	
3	16QAM	1	8	20.94	20.75	20.86	21.2
3	16QAM	1	14	20.82	20.82	20.75	
3	16QAM	8	0	20.91	20.95	20.97	21.2
3	16QAM	8	4	20.81	20.90	20.80	
3	16QAM	8	7	20.85	20.85	20.85	
3	16QAM	15	0	20.89	20.97	20.89	
3	64QAM	1	0	20.94	21.00	20.97	
3	64QAM	1	8	20.84	20.87	20.90	21.2
3	64QAM	1	14	20.90	20.85	20.84	
3	64QAM	8	0	20.84	21.01	20.93	
3	64QAM	8	4	20.89	20.90	20.83	21.2
3	64QAM	8	7	20.83	20.94	20.90	
3	64QAM	15	0	20.87	20.94	20.87	
3	256QAM	1	0	20.06	20.08	20.16	20.5
3	256QAM	1	8	20.06	20.05	20.19	
3	256QAM	1	14	19.88	19.72	19.94	
3	256QAM	8	0	19.87	19.84	19.90	20.5
3	256QAM	8	4	19.88	19.77	19.86	
3	256QAM	8	7	19.84	19.67	19.89	
3	256QAM	15	0	19.82	19.78	19.81	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	20.92	21.00	20.98	21.2
1.4	QPSK	1	3	20.94	20.85	20.97	
1.4	QPSK	1	5	20.90	20.85	20.85	
1.4	QPSK	3	0	20.96	20.99	20.98	
1.4	QPSK	3	1	20.94	21.00	20.87	
1.4	QPSK	3	3	20.94	20.95	20.92	
1.4	QPSK	6	0	20.92	20.96	21.00	21.2
1.4	16QAM	1	0	20.78	20.95	20.95	21.2
1.4	16QAM	1	3	20.89	20.80	20.90	
1.4	16QAM	1	5	20.82	20.74	20.84	
1.4	16QAM	3	0	20.95	20.96	20.91	
1.4	16QAM	3	1	20.87	20.90	20.76	
1.4	16QAM	3	3	20.87	20.85	20.94	
1.4	16QAM	6	0	20.88	21.01	20.91	21.2
1.4	64QAM	1	0	20.94	20.96	20.94	21.2
1.4	64QAM	1	3	20.75	20.89	20.88	
1.4	64QAM	1	5	20.85	20.78	20.84	
1.4	64QAM	3	0	20.82	21.01	20.88	
1.4	64QAM	3	1	20.84	20.92	20.81	
1.4	64QAM	3	3	20.90	20.89	20.84	
1.4	64QAM	6	0	20.85	20.98	20.84	21.2
1.4	256QAM	1	0	19.83	19.80	19.89	20.5
1.4	256QAM	1	3	19.83	19.65	19.80	
1.4	256QAM	1	5	19.78	19.81	19.84	
1.4	256QAM	3	0	19.90	19.87	19.91	
1.4	256QAM	3	1	19.83	19.80	19.89	
1.4	256QAM	3	3	19.83	19.65	19.80	
1.4	256QAM	6	0	19.78	19.81	19.84	20.5



<LTE Band 2_Ant 1_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	20.90	21.01	20.96	22.7
20	QPSK	1	49	20.89	20.90	20.95	
20	QPSK	1	99	20.86	20.80	20.86	
20	QPSK	50	0	20.95	21.00	20.99	22.7
20	QPSK	50	24	20.89	20.99	20.85	
20	QPSK	50	50	20.89	20.98	20.89	
20	QPSK	100	0	20.94	20.97	20.96	
20	16QAM	1	0	20.83	20.91	20.92	22.7
20	16QAM	1	49	20.89	20.80	20.91	
20	16QAM	1	99	20.81	20.78	20.79	
20	16QAM	50	0	20.94	20.96	20.95	22.7
20	16QAM	50	24	20.85	20.94	20.79	
20	16QAM	50	50	20.86	20.88	20.89	
20	16QAM	100	0	20.91	20.97	20.91	
20	64QAM	1	0	20.90	20.97	20.95	22.7
20	64QAM	1	49	20.79	20.87	20.89	
20	64QAM	1	99	20.86	20.71	20.81	
20	64QAM	50	0	20.87	20.97	20.93	22.5
20	64QAM	50	24	20.87	20.89	20.82	
20	64QAM	50	50	20.88	20.93	20.89	
20	64QAM	100	0	20.87	20.97	20.89	
20	256QAM	1	0	20.05	20.11	20.12	20.5
20	256QAM	1	49	20.09	20.00	20.15	
20	256QAM	1	99	19.92	19.76	19.95	
20	256QAM	50	0	19.87	19.83	19.91	20.5
20	256QAM	50	24	19.85	19.77	19.90	
20	256QAM	50	50	19.82	19.68	19.85	
20	256QAM	100	0	19.83	19.76	19.84	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.89	21.00	20.96	22.7
15	QPSK	1	37	20.88	20.93	20.91	
15	QPSK	1	74	20.91	20.76	20.81	
15	QPSK	36	0	20.99	20.98	20.99	22.7
15	QPSK	36	20	20.84	21.01	20.90	
15	QPSK	36	39	20.88	20.95	20.92	
15	QPSK	75	0	20.90	20.99	20.99	
15	16QAM	1	0	20.87	20.94	20.97	22.7
15	16QAM	1	37	20.85	20.76	20.95	
15	16QAM	1	74	20.82	20.82	20.76	
15	16QAM	36	0	20.90	20.93	20.93	22.7
15	16QAM	36	20	20.81	20.97	20.75	
15	16QAM	36	39	20.90	20.84	20.91	
15	16QAM	75	0	20.93	20.93	20.86	
15	64QAM	1	0	20.86	20.96	20.90	22.7
15	64QAM	1	37	20.79	20.92	20.88	
15	64QAM	1	74	20.87	20.72	20.84	
15	64QAM	36	0	20.88	21.00	20.95	22.5
15	64QAM	36	20	20.85	20.91	20.77	
15	64QAM	36	39	20.88	20.95	20.84	
15	64QAM	75	0	20.84	20.95	20.94	
15	256QAM	1	0	20.05	20.16	20.07	20.5
15	256QAM	1	37	20.05	20.04	20.13	
15	256QAM	1	74	19.87	19.73	19.95	
15	256QAM	36	0	19.83	19.85	19.95	20.5
15	256QAM	36	20	19.88	19.74	19.87	



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15	256QAM	36	39	19.83	19.63	19.81	
15	256QAM	75	0	19.86	19.77	19.88	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.88	20.96	20.96	22.7
10	QPSK	1	25	20.87	20.87	20.93	
10	QPSK	1	49	20.88	20.84	20.82	
10	QPSK	25	0	20.94	20.95	21.00	22.7
10	QPSK	25	12	20.85	21.00	20.88	
10	QPSK	25	25	20.86	21.00	20.92	
10	QPSK	50	0	20.93	20.93	20.91	
10	16QAM	1	0	20.87	20.86	20.93	
10	16QAM	1	25	20.86	20.84	20.89	22.7
10	16QAM	1	49	20.83	20.78	20.75	
10	16QAM	25	0	20.99	21.00	20.97	
10	16QAM	25	12	20.81	20.97	20.84	22.7
10	16QAM	25	25	20.86	20.91	20.85	
10	16QAM	50	0	20.96	20.93	20.88	
10	64QAM	1	0	20.90	20.99	20.99	
10	64QAM	1	25	20.74	20.88	20.90	
10	64QAM	1	49	20.89	20.76	20.79	22.7
10	64QAM	25	0	20.84	20.99	20.95	
10	64QAM	25	12	20.91	20.85	20.87	
10	64QAM	25	25	20.93	20.89	20.87	22.5
10	64QAM	50	0	20.86	20.92	20.94	
10	256QAM	1	0	20.03	20.15	20.07	
10	256QAM	1	25	20.12	19.97	20.11	
10	256QAM	1	49	19.90	19.71	19.95	
10	256QAM	25	0	19.82	19.85	19.86	20.5
10	256QAM	25	12	19.85	19.82	19.90	
10	256QAM	25	25	19.79	19.67	19.87	
10	256QAM	50	0	19.86	19.73	19.89	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.92	21.00	21.00	22.7
5	QPSK	1	12	20.93	20.93	20.96	
5	QPSK	1	24	20.81	20.76	20.82	
5	QPSK	12	0	20.96	20.95	20.95	22.7
5	QPSK	12	7	20.85	20.96	20.89	
5	QPSK	12	13	20.89	20.99	20.89	
5	QPSK	25	0	20.94	20.93	20.98	
5	16QAM	1	0	20.82	20.95	20.91	
5	16QAM	1	12	20.86	20.80	20.96	22.7
5	16QAM	1	24	20.76	20.75	20.80	
5	16QAM	12	0	20.94	20.92	20.90	
5	16QAM	12	7	20.85	20.95	20.83	22.7
5	16QAM	12	13	20.90	20.93	20.88	
5	16QAM	25	0	20.86	20.99	20.90	
5	64QAM	1	0	20.86	20.97	20.97	
5	64QAM	1	12	20.78	20.82	20.94	
5	64QAM	1	24	20.91	20.79	20.79	22.7
5	64QAM	12	0	20.87	21.00	20.89	
5	64QAM	12	7	20.88	20.94	20.77	
5	64QAM	12	13	20.87	20.89	20.86	
5	64QAM	25	0	20.88	20.95	20.84	
5	256QAM	1	0	20.05	20.13	20.13	20.5
5	256QAM	1	12	20.13	19.99	20.13	
5	256QAM	1	24	19.96	19.78	19.98	
5	256QAM	12	0	19.91	19.85	19.92	
5	256QAM	12	7	19.86	19.73	19.92	
5	256QAM	12	13	19.87	19.63	19.85	20.5
5	256QAM	12	25	19.83	19.73	19.82	
Channel				18615	18900	19185	



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	20.95	21.01	20.99	22.7
3	QPSK	1	8	20.90	20.93	20.95	
3	QPSK	1	14	20.82	20.84	20.85	
3	QPSK	8	0	20.99	21.00	20.96	22.7
3	QPSK	8	4	20.88	20.98	20.84	
3	QPSK	8	7	20.88	21.00	20.91	
3	QPSK	15	0	20.97	20.97	20.97	
3	16QAM	1	0	20.88	20.86	20.88	22.7
3	16QAM	1	8	20.94	20.75	20.86	
3	16QAM	1	14	20.82	20.82	20.75	
3	16QAM	8	0	20.91	20.95	20.97	22.7
3	16QAM	8	4	20.81	20.90	20.80	
3	16QAM	8	7	20.85	20.85	20.85	
3	16QAM	15	0	20.89	20.97	20.89	
3	64QAM	1	0	20.94	21.00	20.97	22.7
3	64QAM	1	8	20.84	20.87	20.90	
3	64QAM	1	14	20.90	20.85	20.84	
3	64QAM	8	0	20.84	21.01	20.93	22.5
3	64QAM	8	4	20.89	20.90	20.83	
3	64QAM	8	7	20.83	20.94	20.90	
3	64QAM	15	0	20.87	20.94	20.87	
3	256QAM	1	0	20.06	20.08	20.16	20.5
3	256QAM	1	8	20.06	20.05	20.19	
3	256QAM	1	14	19.88	19.72	19.94	
3	256QAM	8	0	19.87	19.84	19.90	20.5
3	256QAM	8	4	19.88	19.77	19.86	
3	256QAM	8	7	19.84	19.67	19.89	
3	256QAM	15	0	19.82	19.78	19.81	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.92	21.00	20.98	22.7
1.4	QPSK	1	3	20.94	20.85	20.97	
1.4	QPSK	1	5	20.90	20.85	20.85	
1.4	QPSK	3	0	20.96	20.99	20.98	
1.4	QPSK	3	1	20.94	21.00	20.87	
1.4	QPSK	3	3	20.94	20.95	20.92	
1.4	QPSK	6	0	20.92	20.96	21.00	22.7
1.4	16QAM	1	0	20.78	20.95	20.95	22.7
1.4	16QAM	1	3	20.89	20.80	20.90	
1.4	16QAM	1	5	20.82	20.74	20.84	
1.4	16QAM	3	0	20.95	20.96	20.91	
1.4	16QAM	3	1	20.87	20.90	20.76	
1.4	16QAM	3	3	20.87	20.85	20.94	
1.4	16QAM	6	0	20.88	21.01	20.91	22.7
1.4	64QAM	1	0	20.94	20.96	20.94	22.7
1.4	64QAM	1	3	20.75	20.89	20.88	
1.4	64QAM	1	5	20.85	20.78	20.84	
1.4	64QAM	3	0	20.82	21.01	20.88	
1.4	64QAM	3	1	20.84	20.92	20.81	
1.4	64QAM	3	3	20.90	20.89	20.84	
1.4	64QAM	6	0	20.85	20.98	20.84	22.5
1.4	256QAM	1	0	19.83	19.80	19.89	20.5
1.4	256QAM	1	3	19.83	19.65	19.80	
1.4	256QAM	1	5	19.78	19.81	19.84	
1.4	256QAM	3	0	19.90	19.87	19.91	
1.4	256QAM	3	1	19.83	19.80	19.89	
1.4	256QAM	3	3	19.83	19.65	19.80	
1.4	256QAM	6	0	19.78	19.81	19.84	20.5



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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	20.90	21.01	20.96	22
20	QPSK	1	49	20.89	20.90	20.95	
20	QPSK	1	99	20.86	20.80	20.86	
20	QPSK	50	0	20.95	21.00	20.99	22
20	QPSK	50	24	20.89	20.99	20.85	
20	QPSK	50	50	20.89	20.98	20.89	
20	QPSK	100	0	20.94	20.97	20.96	
20	16QAM	1	0	20.83	20.91	20.92	22
20	16QAM	1	49	20.89	20.80	20.91	
20	16QAM	1	99	20.81	20.78	20.79	
20	16QAM	50	0	20.94	20.96	20.95	22
20	16QAM	50	24	20.85	20.94	20.79	
20	16QAM	50	50	20.86	20.88	20.89	
20	16QAM	100	0	20.91	20.97	20.91	
20	64QAM	1	0	20.90	20.97	20.95	22
20	64QAM	1	49	20.79	20.87	20.89	
20	64QAM	1	99	20.86	20.71	20.81	
20	64QAM	50	0	20.87	20.97	20.93	22
20	64QAM	50	24	20.87	20.89	20.82	
20	64QAM	50	50	20.88	20.93	20.89	
20	64QAM	100	0	20.87	20.97	20.89	
20	256QAM	1	0	20.05	20.11	20.12	20.5
20	256QAM	1	49	20.09	20.00	20.15	
20	256QAM	1	99	19.92	19.76	19.95	
20	256QAM	50	0	19.87	19.83	19.91	20.5
20	256QAM	50	24	19.85	19.77	19.90	
20	256QAM	50	50	19.82	19.68	19.85	
20	256QAM	100	0	19.83	19.76	19.84	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.89	21.00	20.96	22
15	QPSK	1	37	20.88	20.93	20.91	
15	QPSK	1	74	20.91	20.76	20.81	
15	QPSK	36	0	20.99	20.98	20.99	22
15	QPSK	36	20	20.84	21.01	20.90	
15	QPSK	36	39	20.88	20.95	20.92	
15	QPSK	75	0	20.90	20.99	20.99	
15	16QAM	1	0	20.87	20.94	20.97	22
15	16QAM	1	37	20.85	20.76	20.95	
15	16QAM	1	74	20.82	20.82	20.76	
15	16QAM	36	0	20.90	20.93	20.93	22
15	16QAM	36	20	20.81	20.97	20.75	
15	16QAM	36	39	20.90	20.84	20.91	
15	16QAM	75	0	20.93	20.93	20.86	
15	64QAM	1	0	20.86	20.96	20.90	22
15	64QAM	1	37	20.79	20.92	20.88	
15	64QAM	1	74	20.87	20.72	20.84	
15	64QAM	36	0	20.88	21.00	20.95	22
15	64QAM	36	20	20.85	20.91	20.77	
15	64QAM	36	39	20.88	20.95	20.84	
15	64QAM	75	0	20.84	20.95	20.94	
15	256QAM	1	0	20.05	20.16	20.07	20.5
15	256QAM	1	37	20.05	20.04	20.13	
15	256QAM	1	74	19.87	19.73	19.95	
15	256QAM	36	0	19.83	19.85	19.95	20.5
15	256QAM	36	20	19.88	19.74	19.87	



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15	256QAM	36	39	19.83	19.63	19.81	
15	256QAM	75	0	19.86	19.77	19.88	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.88	20.96	20.96	22
10	QPSK	1	25	20.87	20.87	20.93	
10	QPSK	1	49	20.88	20.84	20.82	
10	QPSK	25	0	20.94	20.95	21.00	22
10	QPSK	25	12	20.85	21.00	20.88	
10	QPSK	25	25	20.86	21.00	20.92	
10	QPSK	50	0	20.93	20.93	20.91	
10	16QAM	1	0	20.87	20.86	20.93	
10	16QAM	1	25	20.86	20.84	20.89	22
10	16QAM	1	49	20.83	20.78	20.75	
10	16QAM	25	0	20.99	21.00	20.97	22
10	16QAM	25	12	20.81	20.97	20.84	
10	16QAM	25	25	20.86	20.91	20.85	
10	16QAM	50	0	20.96	20.93	20.88	
10	64QAM	1	0	20.90	20.99	20.99	
10	64QAM	1	25	20.74	20.88	20.90	22
10	64QAM	1	49	20.89	20.76	20.79	
10	64QAM	25	0	20.84	20.99	20.95	
10	64QAM	25	12	20.91	20.85	20.87	22
10	64QAM	25	25	20.93	20.89	20.87	
10	64QAM	50	0	20.86	20.92	20.94	
10	256QAM	1	0	20.03	20.15	20.07	
10	256QAM	1	25	20.12	19.97	20.11	
10	256QAM	1	49	19.90	19.71	19.95	20.5
10	256QAM	25	0	19.82	19.85	19.86	
10	256QAM	25	12	19.85	19.82	19.90	
10	256QAM	25	25	19.79	19.67	19.87	20.5
10	256QAM	50	0	19.86	19.73	19.89	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.92	21.00	21.00	22
5	QPSK	1	12	20.93	20.93	20.96	
5	QPSK	1	24	20.81	20.76	20.82	
5	QPSK	12	0	20.96	20.95	20.95	22
5	QPSK	12	7	20.85	20.96	20.89	
5	QPSK	12	13	20.89	20.99	20.89	
5	QPSK	25	0	20.94	20.93	20.98	
5	16QAM	1	0	20.82	20.95	20.91	
5	16QAM	1	12	20.86	20.80	20.96	22
5	16QAM	1	24	20.76	20.75	20.80	
5	16QAM	12	0	20.94	20.92	20.90	
5	16QAM	12	7	20.85	20.95	20.83	22
5	16QAM	12	13	20.90	20.93	20.88	
5	16QAM	25	0	20.86	20.99	20.90	
5	64QAM	1	0	20.86	20.97	20.97	
5	64QAM	1	12	20.78	20.82	20.94	
5	64QAM	1	24	20.91	20.79	20.79	22
5	64QAM	12	0	20.87	21.00	20.89	
5	64QAM	12	7	20.88	20.94	20.77	
5	64QAM	12	13	20.87	20.89	20.86	
5	64QAM	25	0	20.88	20.95	20.84	
5	256QAM	1	0	20.05	20.13	20.13	20.5
5	256QAM	1	12	20.13	19.99	20.13	
5	256QAM	1	24	19.96	19.78	19.98	
5	256QAM	12	0	19.91	19.85	19.92	
5	256QAM	12	7	19.86	19.73	19.92	
5	256QAM	12	13	19.87	19.63	19.85	20.5
5	256QAM	25	0	19.83	19.73	19.82	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	20.95	21.01	20.99	22
3	QPSK	1	8	20.90	20.93	20.95	
3	QPSK	1	14	20.82	20.84	20.85	
3	QPSK	8	0	20.99	21.00	20.96	22
3	QPSK	8	4	20.88	20.98	20.84	
3	QPSK	8	7	20.88	21.00	20.91	
3	QPSK	15	0	20.97	20.97	20.97	
3	16QAM	1	0	20.88	20.86	20.88	
3	16QAM	1	8	20.94	20.75	20.86	22
3	16QAM	1	14	20.82	20.82	20.75	
3	16QAM	8	0	20.91	20.95	20.97	22
3	16QAM	8	4	20.81	20.90	20.80	
3	16QAM	8	7	20.85	20.85	20.85	
3	16QAM	15	0	20.89	20.97	20.89	
3	64QAM	1	0	20.94	21.00	20.97	
3	64QAM	1	8	20.84	20.87	20.90	22
3	64QAM	1	14	20.90	20.85	20.84	
3	64QAM	8	0	20.84	21.01	20.93	
3	64QAM	8	4	20.89	20.90	20.83	22
3	64QAM	8	7	20.83	20.94	20.90	
3	64QAM	15	0	20.87	20.94	20.87	
3	256QAM	1	0	20.06	20.08	20.16	
3	256QAM	1	8	20.06	20.05	20.19	20.5
3	256QAM	1	14	19.88	19.72	19.94	
3	256QAM	8	0	19.87	19.84	19.90	20.5
3	256QAM	8	4	19.88	19.77	19.86	
3	256QAM	8	7	19.84	19.67	19.89	
3	256QAM	15	0	19.82	19.78	19.81	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.92	21.00	20.98	22
1.4	QPSK	1	3	20.94	20.85	20.97	
1.4	QPSK	1	5	20.90	20.85	20.85	
1.4	QPSK	3	0	20.96	20.99	20.98	
1.4	QPSK	3	1	20.94	21.00	20.87	
1.4	QPSK	3	3	20.94	20.95	20.92	
1.4	QPSK	6	0	20.92	20.96	21.00	22
1.4	16QAM	1	0	20.78	20.95	20.95	22
1.4	16QAM	1	3	20.89	20.80	20.90	
1.4	16QAM	1	5	20.82	20.74	20.84	
1.4	16QAM	3	0	20.95	20.96	20.91	
1.4	16QAM	3	1	20.87	20.90	20.76	
1.4	16QAM	3	3	20.87	20.85	20.94	
1.4	16QAM	6	0	20.88	21.01	20.91	22
1.4	64QAM	1	0	20.94	20.96	20.94	22
1.4	64QAM	1	3	20.75	20.89	20.88	
1.4	64QAM	1	5	20.85	20.78	20.84	
1.4	64QAM	3	0	20.82	21.01	20.88	
1.4	64QAM	3	1	20.84	20.92	20.81	
1.4	64QAM	3	3	20.90	20.89	20.84	
1.4	64QAM	6	0	20.85	20.98	20.84	22
1.4	256QAM	1	0	19.83	19.80	19.89	20.5
1.4	256QAM	1	3	19.83	19.65	19.80	
1.4	256QAM	1	5	19.78	19.81	19.84	
1.4	256QAM	3	0	19.90	19.87	19.91	
1.4	256QAM	3	1	19.83	19.80	19.89	
1.4	256QAM	3	3	19.83	19.65	19.80	
1.4	256QAM	6	0	19.78	19.81	19.84	20.5



<LTE Band 2_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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.25	23.75	23.51	24.5
20	QPSK	1	49	23.12	23.29	23.15	
20	QPSK	1	99	23.11	23.12	23.12	
20	QPSK	50	0	22.93	23.43	23.15	24.5
20	QPSK	50	24	22.76	23.29	23.00	
20	QPSK	50	50	22.62	23.14	22.87	
20	QPSK	100	0	22.77	23.28	23.03	24.5
20	16QAM	1	0	23.22	23.72	23.45	
20	16QAM	1	49	22.89	23.44	23.19	
20	16QAM	1	99	22.69	23.21	22.95	23.5
20	16QAM	50	0	21.88	22.41	22.16	
20	16QAM	50	24	21.78	22.31	22.07	
20	16QAM	50	50	21.63	22.13	21.88	23.5
20	16QAM	100	0	21.73	22.24	21.99	
20	64QAM	1	0	23.13	23.40	23.39	
20	64QAM	1	49	22.76	23.30	23.06	22.5
20	64QAM	1	99	22.55	23.06	22.77	
20	64QAM	50	0	21.83	22.38	22.13	
20	64QAM	50	24	21.73	22.27	22.01	22.5
20	64QAM	50	50	21.64	22.14	21.89	
20	64QAM	100	0	21.71	22.26	21.98	
20	256QAM	1	0	19.08	19.26	18.79	20.5
20	256QAM	1	49	19.21	19.18	19.06	
20	256QAM	1	99	18.91	18.87	18.91	
20	256QAM	50	0	19.25	19.20	19.22	20.5
20	256QAM	50	24	19.02	19.11	19.01	
20	256QAM	50	50	18.84	18.99	18.83	
20	256QAM	100	0	19.03	19.11	19.05	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.20	23.74	23.50	24.5
15	QPSK	1	37	23.11	23.22	23.11	
15	QPSK	1	74	23.12	23.12	23.12	
15	QPSK	36	0	22.89	23.38	23.11	24.5
15	QPSK	36	20	22.74	23.25	22.93	
15	QPSK	36	39	22.53	23.08	22.82	
15	QPSK	75	0	22.71	23.20	22.96	24.5
15	16QAM	1	0	23.14	23.71	23.43	
15	16QAM	1	37	22.80	23.37	23.12	
15	16QAM	1	74	22.67	23.13	22.94	23.5
15	16QAM	36	0	21.82	22.32	22.08	
15	16QAM	36	20	21.71	22.24	22.02	
15	16QAM	36	39	21.57	22.06	21.83	23.5
15	16QAM	75	0	21.71	22.21	21.92	
15	64QAM	1	0	23.12	23.36	23.29	
15	64QAM	1	37	22.69	23.24	23.03	22.5
15	64QAM	1	74	22.53	23.05	22.72	
15	64QAM	36	0	21.79	22.29	22.04	
15	64QAM	36	20	21.67	22.26	21.92	20.5
15	64QAM	36	39	21.62	22.06	21.83	
15	64QAM	75	0	21.68	22.20	21.90	
15	256QAM	1	0	19.03	19.20	18.80	20.5
15	256QAM	1	37	19.18	19.17	19.06	
15	256QAM	1	74	18.87	18.79	18.88	
15	256QAM	36	0	19.17	19.25	19.18	20.5
15	256QAM	36	20	18.96	19.15	19.02	
15	256QAM	36	39	18.80	18.95	18.75	



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15	256QAM	75	0	19.01	19.09	19.06	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.16	23.71	23.50	24.5
10	QPSK	1	25	23.12	23.28	23.12	
10	QPSK	1	49	23.14	23.11	23.13	
10	QPSK	25	0	22.92	23.36	23.12	24.5
10	QPSK	25	12	22.71	23.21	22.98	
10	QPSK	25	25	22.57	23.09	22.80	
10	QPSK	50	0	22.69	23.19	23.00	24.5
10	16QAM	1	0	23.19	23.66	23.37	
10	16QAM	1	25	22.80	23.43	23.10	
10	16QAM	1	49	22.66	23.12	22.88	23.5
10	16QAM	25	0	21.84	22.33	22.09	
10	16QAM	25	12	21.73	22.24	22.00	
10	16QAM	25	25	21.58	22.08	21.80	23.5
10	16QAM	50	0	21.70	22.17	21.96	
10	64QAM	1	0	23.08	23.33	23.31	
10	64QAM	1	25	22.70	23.22	23.04	23.5
10	64QAM	1	49	22.48	22.97	22.72	
10	64QAM	25	0	21.80	22.35	22.04	
10	64QAM	25	12	21.68	22.20	21.96	22.5
10	64QAM	25	25	21.60	22.09	21.85	
10	64QAM	50	0	21.63	22.17	21.90	
10	256QAM	1	0	19.01	19.16	18.82	20.5
10	256QAM	1	25	19.23	19.17	19.08	
10	256QAM	1	49	18.85	18.79	18.93	
10	256QAM	25	0	19.19	19.18	19.17	20.5
10	256QAM	25	12	18.99	19.05	19.00	
10	256QAM	25	25	18.87	18.96	18.80	
10	256QAM	50	0	19.03	19.12	19.09	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.22	23.73	23.46	24.5
5	QPSK	1	12	23.11	23.21	23.11	
5	QPSK	1	24	23.12	23.12	23.13	
5	QPSK	12	0	22.91	23.42	23.10	24.5
5	QPSK	12	7	22.72	23.23	22.99	
5	QPSK	12	13	22.60	23.09	22.79	
5	QPSK	25	0	22.69	23.25	22.99	24.5
5	16QAM	1	0	23.16	23.71	23.44	
5	16QAM	1	12	22.87	23.41	23.13	
5	16QAM	1	24	22.63	23.12	22.87	23.5
5	16QAM	12	0	21.79	22.36	22.14	
5	16QAM	12	7	21.70	22.26	22.00	
5	16QAM	12	13	21.61	22.08	21.81	23.5
5	16QAM	25	0	21.67	22.18	21.92	
5	64QAM	1	0	23.05	23.33	23.31	
5	64QAM	1	12	22.68	23.24	23.05	23.5
5	64QAM	1	24	22.50	23.00	22.75	
5	64QAM	12	0	21.77	22.32	22.10	
5	64QAM	12	7	21.68	22.23	21.95	22.5
5	64QAM	12	13	21.55	22.08	21.82	
5	64QAM	25	0	21.62	22.23	21.95	
5	256QAM	1	0	18.98	19.22	18.79	20.5
5	256QAM	1	12	19.22	19.19	19.15	
5	256QAM	1	24	18.85	18.87	18.91	
5	256QAM	12	0	19.16	19.23	19.19	20.5
5	256QAM	12	7	18.97	19.12	19.03	
5	256QAM	12	13	18.82	18.97	18.77	
5	256QAM	25	0	19.10	19.12	19.08	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	



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3	QPSK	1	0	23.19	23.74	23.49	24.5
3	QPSK	1	8	23.11	23.21	23.15	
3	QPSK	1	14	23.10	23.11	23.13	
3	QPSK	8	0	22.92	23.36	23.09	24.5
3	QPSK	8	4	22.68	23.21	22.99	
3	QPSK	8	7	22.61	23.12	22.83	
3	QPSK	15	0	22.76	23.25	22.97	24.5
3	16QAM	1	0	23.15	23.63	23.43	
3	16QAM	1	8	22.87	23.39	23.11	
3	16QAM	1	14	22.60	23.15	22.90	23.5
3	16QAM	8	0	21.79	22.40	22.12	
3	16QAM	8	4	21.71	22.25	22.00	
3	16QAM	8	7	21.61	22.07	21.83	23.5
3	16QAM	15	0	21.67	22.18	21.93	
3	64QAM	1	0	23.12	23.34	23.33	
3	64QAM	1	8	22.75	23.29	22.99	23.5
3	64QAM	1	14	22.49	23.04	22.71	
3	64QAM	8	0	21.82	22.35	22.05	
3	64QAM	8	4	21.72	22.25	21.94	22.5
3	64QAM	8	7	21.61	22.08	21.80	
3	64QAM	15	0	21.65	22.20	21.93	
3	256QAM	1	0	19.01	19.16	18.85	20.5
3	256QAM	1	8	19.15	19.11	19.07	
3	256QAM	1	14	18.91	18.81	18.92	
3	256QAM	8	0	19.18	19.23	19.18	20.5
3	256QAM	8	4	19.01	19.09	19.02	
3	256QAM	8	7	18.78	19.04	18.85	
3	256QAM	15	0	19.04	19.12	19.08	Tune-up limit (dBm)
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.19	23.51	23.44	24.5
1.4	QPSK	1	3	23.20	23.49	23.48	
1.4	QPSK	1	5	23.12	23.45	23.43	
1.4	QPSK	3	0	23.11	23.40	23.36	24.5
1.4	QPSK	3	1	23.12	23.40	23.38	
1.4	QPSK	3	3	23.16	23.41	23.32	
1.4	QPSK	6	0	22.85	23.13	23.11	24.5
1.4	16QAM	1	0	23.12	23.41	23.33	
1.4	16QAM	1	3	23.12	23.45	23.36	
1.4	16QAM	1	5	23.05	23.39	23.35	24.5
1.4	16QAM	3	0	22.90	23.17	23.10	
1.4	16QAM	3	1	22.91	23.19	23.12	
1.4	16QAM	3	3	22.89	23.22	23.13	23.5
1.4	16QAM	6	0	21.85	22.18	22.15	
1.4	64QAM	1	0	21.94	22.25	22.17	
1.4	64QAM	1	3	22.03	22.32	22.28	23.5
1.4	64QAM	1	5	21.92	22.26	22.24	
1.4	64QAM	3	0	21.90	22.23	22.21	
1.4	64QAM	3	1	21.96	22.24	22.18	22.5
1.4	64QAM	3	3	21.85	22.18	22.12	
1.4	64QAM	6	0	20.87	21.17	21.15	
1.4	256QAM	1	0	18.98	19.22	18.82	20.5
1.4	256QAM	1	3	19.21	19.10	19.14	
1.4	256QAM	1	5	18.81	18.87	18.90	
1.4	256QAM	3	0	19.23	19.19	19.15	20.5
1.4	256QAM	3	1	19.00	19.11	19.00	
1.4	256QAM	3	3	18.78	19.00	18.77	
1.4	256QAM	6	0	19.01	19.11	19.03	20.5



<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	23.25	23.75	23.51	23.8
20	QPSK	1	49	23.12	23.29	23.15	
20	QPSK	1	99	23.11	23.12	23.12	
20	QPSK	50	0	22.93	23.43	23.15	23.8
20	QPSK	50	24	22.76	23.29	23.00	
20	QPSK	50	50	22.62	23.14	22.87	
20	QPSK	100	0	22.77	23.28	23.03	23.8
20	16QAM	1	0	23.22	23.72	23.45	
20	16QAM	1	49	22.89	23.44	23.19	
20	16QAM	1	99	22.69	23.21	22.95	23.5
20	16QAM	50	0	21.88	22.41	22.16	
20	16QAM	50	24	21.78	22.31	22.07	
20	16QAM	50	50	21.63	22.13	21.88	23.5
20	16QAM	100	0	21.73	22.24	21.99	
20	64QAM	1	0	23.13	23.40	23.39	
20	64QAM	1	49	22.76	23.30	23.06	23.5
20	64QAM	1	99	22.55	23.06	22.77	
20	64QAM	50	0	21.83	22.38	22.13	
20	64QAM	50	24	21.73	22.27	22.01	22.5
20	64QAM	50	50	21.64	22.14	21.89	
20	64QAM	100	0	21.71	22.26	21.98	
20	256QAM	1	0	19.08	19.26	18.79	20.5
20	256QAM	1	49	19.21	19.18	19.06	
20	256QAM	1	99	18.91	18.87	18.91	
20	256QAM	50	0	19.25	19.20	19.22	20.5
20	256QAM	50	24	19.02	19.11	19.01	
20	256QAM	50	50	18.84	18.99	18.83	
20	256QAM	100	0	19.03	19.11	19.05	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.20	23.74	23.50	23.8
15	QPSK	1	37	23.11	23.22	23.11	
15	QPSK	1	74	23.12	23.12	23.12	
15	QPSK	36	0	22.89	23.38	23.11	23.8
15	QPSK	36	20	22.74	23.25	22.93	
15	QPSK	36	39	22.53	23.08	22.82	
15	QPSK	75	0	22.71	23.20	22.96	23.8
15	16QAM	1	0	23.14	23.71	23.43	
15	16QAM	1	37	22.80	23.37	23.12	
15	16QAM	1	74	22.67	23.13	22.94	23.5
15	16QAM	36	0	21.82	22.32	22.08	
15	16QAM	36	20	21.71	22.24	22.02	
15	16QAM	36	39	21.57	22.06	21.83	23.5
15	16QAM	75	0	21.71	22.21	21.92	
15	64QAM	1	0	23.12	23.36	23.29	
15	64QAM	1	37	22.69	23.24	23.03	23.5
15	64QAM	1	74	22.53	23.05	22.72	
15	64QAM	36	0	21.79	22.29	22.04	
15	64QAM	36	20	21.67	22.26	21.92	22.5
15	64QAM	36	39	21.62	22.06	21.83	
15	64QAM	75	0	21.68	22.20	21.90	
15	256QAM	1	0	19.03	19.20	18.80	20.5
15	256QAM	1	37	19.18	19.17	19.06	
15	256QAM	1	74	18.87	18.79	18.88	
15	256QAM	36	0	19.17	19.25	19.18	20.5
15	256QAM	36	20	18.96	19.15	19.02	
15	256QAM	36	39	18.80	18.95	18.75	



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15	256QAM	75	0	19.01	19.09	19.06	Tune-up limit (dBm)
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.16	23.71	23.50	23.8
10	QPSK	1	25	23.12	23.28	23.12	
10	QPSK	1	49	23.14	23.11	23.13	
10	QPSK	25	0	22.92	23.36	23.12	23.8
10	QPSK	25	12	22.71	23.21	22.98	
10	QPSK	25	25	22.57	23.09	22.80	
10	QPSK	50	0	22.69	23.19	23.00	
10	16QAM	1	0	23.19	23.66	23.37	23.8
10	16QAM	1	25	22.80	23.43	23.10	
10	16QAM	1	49	22.66	23.12	22.88	
10	16QAM	25	0	21.84	22.33	22.09	23.5
10	16QAM	25	12	21.73	22.24	22.00	
10	16QAM	25	25	21.58	22.08	21.80	
10	16QAM	50	0	21.70	22.17	21.96	
10	64QAM	1	0	23.08	23.33	23.31	
10	64QAM	1	25	22.70	23.22	23.04	23.5
10	64QAM	1	49	22.48	22.97	22.72	
10	64QAM	25	0	21.80	22.35	22.04	
10	64QAM	25	12	21.68	22.20	21.96	22.5
10	64QAM	25	25	21.60	22.09	21.85	
10	64QAM	50	0	21.63	22.17	21.90	
10	256QAM	1	0	19.01	19.16	18.82	
10	256QAM	1	25	19.23	19.17	19.08	20.5
10	256QAM	1	49	18.85	18.79	18.93	
10	256QAM	25	0	19.19	19.18	19.17	
10	256QAM	25	12	18.99	19.05	19.00	20.5
10	256QAM	25	25	18.87	18.96	18.80	
10	256QAM	50	0	19.03	19.12	19.09	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.22	23.73	23.46	23.8
5	QPSK	1	12	23.11	23.21	23.11	
5	QPSK	1	24	23.12	23.12	23.13	
5	QPSK	12	0	22.91	23.42	23.10	23.8
5	QPSK	12	7	22.72	23.23	22.99	
5	QPSK	12	13	22.60	23.09	22.79	
5	QPSK	25	0	22.69	23.25	22.99	
5	16QAM	1	0	23.16	23.71	23.44	23.8
5	16QAM	1	12	22.87	23.41	23.13	
5	16QAM	1	24	22.63	23.12	22.87	
5	16QAM	12	0	21.79	22.36	22.14	23.5
5	16QAM	12	7	21.70	22.26	22.00	
5	16QAM	12	13	21.61	22.08	21.81	
5	16QAM	25	0	21.67	22.18	21.92	
5	64QAM	1	0	23.05	23.33	23.31	23.5
5	64QAM	1	12	22.68	23.24	23.05	
5	64QAM	1	24	22.50	23.00	22.75	
5	64QAM	12	0	21.77	22.32	22.10	22.5
5	64QAM	12	7	21.68	22.23	21.95	
5	64QAM	12	13	21.55	22.08	21.82	
5	64QAM	25	0	21.62	22.23	21.95	
5	256QAM	1	0	18.98	19.22	18.79	20.5
5	256QAM	1	12	19.22	19.19	19.15	
5	256QAM	1	24	18.85	18.87	18.91	
5	256QAM	12	0	19.16	19.23	19.19	20.5
5	256QAM	12	7	18.97	19.12	19.03	
5	256QAM	12	13	18.82	18.97	18.77	
5	256QAM	25	0	19.10	19.12	19.08	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.19	23.74	23.49	23.8
3	QPSK	1	8	23.11	23.21	23.15	
3	QPSK	1	14	23.10	23.11	23.13	
3	QPSK	8	0	22.92	23.36	23.09	23.8
3	QPSK	8	4	22.68	23.21	22.99	
3	QPSK	8	7	22.61	23.12	22.83	
3	QPSK	15	0	22.76	23.25	22.97	23.8
3	16QAM	1	0	23.15	23.63	23.43	
3	16QAM	1	8	22.87	23.39	23.11	
3	16QAM	1	14	22.60	23.15	22.90	23.5
3	16QAM	8	0	21.79	22.40	22.12	
3	16QAM	8	4	21.71	22.25	22.00	
3	16QAM	8	7	21.61	22.07	21.83	23.5
3	16QAM	15	0	21.67	22.18	21.93	
3	64QAM	1	0	23.12	23.34	23.33	
3	64QAM	1	8	22.75	23.29	22.99	23.5
3	64QAM	1	14	22.49	23.04	22.71	
3	64QAM	8	0	21.82	22.35	22.05	
3	64QAM	8	4	21.72	22.25	21.94	22.5
3	64QAM	8	7	21.61	22.08	21.80	
3	64QAM	15	0	21.65	22.20	21.93	
3	256QAM	1	0	19.01	19.16	18.85	20.5
3	256QAM	1	8	19.15	19.11	19.07	
3	256QAM	1	14	18.91	18.81	18.92	
3	256QAM	8	0	19.18	19.23	19.18	20.5
3	256QAM	8	4	19.01	19.09	19.02	
3	256QAM	8	7	18.78	19.04	18.85	
3	256QAM	15	0	19.04	19.12	19.08	Tune-up limit (dBm)
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.19	23.51	23.44	23.8
1.4	QPSK	1	3	23.20	23.49	23.48	
1.4	QPSK	1	5	23.12	23.45	23.43	
1.4	QPSK	3	0	23.11	23.40	23.36	
1.4	QPSK	3	1	23.12	23.40	23.38	
1.4	QPSK	3	3	23.16	23.41	23.32	23.8
1.4	QPSK	6	0	22.85	23.13	23.11	
1.4	16QAM	1	0	23.12	23.41	23.33	
1.4	16QAM	1	3	23.12	23.45	23.36	23.8
1.4	16QAM	1	5	23.05	23.39	23.35	
1.4	16QAM	3	0	22.90	23.17	23.10	
1.4	16QAM	3	1	22.91	23.19	23.12	
1.4	16QAM	3	3	22.89	23.22	23.13	
1.4	16QAM	6	0	21.85	22.18	22.15	23.5
1.4	64QAM	1	0	21.94	22.25	22.17	23.5
1.4	64QAM	1	3	22.03	22.32	22.28	
1.4	64QAM	1	5	21.92	22.26	22.24	
1.4	64QAM	3	0	21.90	22.23	22.21	
1.4	64QAM	3	1	21.96	22.24	22.18	
1.4	64QAM	3	3	21.85	22.18	22.12	22.5
1.4	64QAM	6	0	20.87	21.17	21.15	
1.4	256QAM	1	0	18.98	19.22	18.82	
1.4	256QAM	1	3	19.21	19.10	19.14	20.5
1.4	256QAM	1	5	18.81	18.87	18.90	
1.4	256QAM	3	0	19.23	19.19	19.15	
1.4	256QAM	3	1	19.00	19.11	19.00	
1.4	256QAM	3	3	18.78	19.00	18.77	
1.4	256QAM	6	0	19.01	19.11	19.03	20.5



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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	19.49	19.76	19.67	20
20	QPSK	1	49	19.35	19.54	19.49	
20	QPSK	1	99	19.44	19.20	19.55	
20	QPSK	50	0	19.61	19.77	19.73	20
20	QPSK	50	24	19.55	19.63	19.65	
20	QPSK	50	50	19.61	19.46	19.64	
20	QPSK	100	0	19.56	19.68	19.58	20
20	16QAM	1	0	19.58	19.95	19.98	
20	16QAM	1	49	19.73	19.86	19.91	
20	16QAM	1	99	19.66	19.55	19.96	20
20	16QAM	50	0	19.54	19.78	19.63	
20	16QAM	50	24	19.60	19.64	19.63	
20	16QAM	50	50	19.61	19.49	19.68	20
20	16QAM	100	0	19.56	19.60	19.64	
20	64QAM	1	0	19.56	19.92	19.82	
20	64QAM	1	49	19.80	19.83	19.71	20
20	64QAM	1	99	19.70	19.53	19.82	
20	64QAM	50	0	19.58	19.81	19.65	
20	64QAM	50	24	19.64	19.68	19.65	20
20	64QAM	50	50	19.64	19.52	19.71	
20	64QAM	100	0	19.58	19.61	19.64	
20	256QAM	1	0	19.05	19.17	18.72	20
20	256QAM	1	49	19.15	19.15	18.99	
20	256QAM	1	99	18.83	18.83	18.86	
20	256QAM	50	0	19.21	19.12	19.17	20
20	256QAM	50	24	19.01	19.06	18.99	
20	256QAM	50	50	18.77	18.94	18.80	
20	256QAM	100	0	18.98	19.04	18.97	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)
15	QPSK	1	0	19.26	19.70	19.49	20
15	QPSK	1	37	19.42	19.50	19.44	
15	QPSK	1	74	19.40	19.20	19.64	
15	QPSK	36	0	19.49	19.69	19.57	20
15	QPSK	36	20	19.59	19.54	19.61	
15	QPSK	36	39	19.60	19.44	19.69	
15	QPSK	75	0	19.54	19.55	19.65	20
15	16QAM	1	0	19.51	19.88	19.89	
15	16QAM	1	37	19.64	19.80	19.85	
15	16QAM	1	74	19.64	19.51	19.87	20
15	16QAM	36	0	19.46	19.74	19.54	
15	16QAM	36	20	19.55	19.59	19.56	
15	16QAM	36	39	19.60	19.40	19.65	20
15	16QAM	75	0	19.50	19.52	19.60	
15	64QAM	1	0	19.48	19.91	19.75	
15	64QAM	1	37	19.75	19.79	19.62	20
15	64QAM	1	74	19.69	19.45	19.76	
15	64QAM	36	0	19.51	19.74	19.58	
15	64QAM	36	20	19.61	19.64	19.57	20
15	64QAM	36	39	19.58	19.43	19.67	
15	64QAM	75	0	19.53	19.59	19.57	
15	256QAM	1	0	19.04	19.10	18.70	20
15	256QAM	1	37	19.11	19.07	18.90	
15	256QAM	1	74	18.80	18.80	18.78	
15	256QAM	36	0	19.12	19.05	19.16	20
15	256QAM	36	20	18.98	19.04	18.98	



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15	256QAM	36	39	18.76	18.91	18.79	
15	256QAM	75	0	18.91	19.03	18.90	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.26	19.67	19.48	20
10	QPSK	1	25	19.41	19.45	19.45	
10	QPSK	1	49	19.37	19.21	19.65	
10	QPSK	25	0	19.47	19.76	19.56	20
10	QPSK	25	12	19.60	19.62	19.57	
10	QPSK	25	25	19.58	19.44	19.69	
10	QPSK	50	0	19.50	19.51	19.60	20
10	16QAM	1	0	19.53	19.91	19.96	
10	16QAM	1	25	19.67	19.81	19.87	
10	16QAM	1	49	19.57	19.52	19.91	20
10	16QAM	25	0	19.45	19.74	19.59	
10	16QAM	25	12	19.59	19.57	19.59	
10	16QAM	25	25	19.55	19.40	19.61	20
10	16QAM	50	0	19.53	19.54	19.55	
10	64QAM	1	0	19.50	19.89	19.80	
10	64QAM	1	25	19.79	19.79	19.64	20
10	64QAM	1	49	19.68	19.45	19.80	
10	64QAM	25	0	19.51	19.78	19.62	
10	64QAM	25	12	19.56	19.66	19.61	20
10	64QAM	25	25	19.58	19.48	19.64	
10	64QAM	50	0	19.54	19.58	19.55	
10	256QAM	1	0	19.02	19.09	18.67	20
10	256QAM	1	25	19.12	19.06	18.96	
10	256QAM	1	49	18.75	18.80	18.78	
10	256QAM	25	0	19.19	19.04	19.08	20
10	256QAM	25	12	18.95	18.98	18.91	
10	256QAM	25	25	18.73	18.90	18.75	
10	256QAM	50	0	18.92	18.99	18.94	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)
5	QPSK	1	0	19.33	19.72	19.46	20
5	QPSK	1	12	19.45	19.47	19.41	
5	QPSK	1	24	19.36	19.21	19.62	
5	QPSK	12	0	19.54	19.69	19.55	20
5	QPSK	12	7	19.56	19.59	19.62	
5	QPSK	12	13	19.59	19.39	19.68	
5	QPSK	25	0	19.55	19.52	19.63	20
5	16QAM	1	0	19.49	19.86	19.96	
5	16QAM	1	12	19.67	19.85	19.82	
5	16QAM	1	24	19.60	19.48	19.95	20
5	16QAM	12	0	19.50	19.72	19.61	
5	16QAM	12	7	19.52	19.55	19.58	
5	16QAM	12	13	19.55	19.43	19.66	20
5	16QAM	25	0	19.49	19.52	19.59	
5	64QAM	1	0	19.53	19.85	19.79	
5	64QAM	1	12	19.77	19.79	19.70	20
5	64QAM	1	24	19.61	19.52	19.76	
5	64QAM	12	0	19.54	19.77	19.62	
5	64QAM	12	7	19.58	19.66	19.57	20
5	64QAM	12	13	19.59	19.50	19.68	
5	64QAM	25	0	19.57	19.52	19.63	
5	256QAM	1	0	18.96	19.10	18.63	20
5	256QAM	1	12	19.06	19.14	18.98	
5	256QAM	1	24	18.78	18.78	18.78	
5	256QAM	12	0	19.18	19.08	19.15	20
5	256QAM	12	7	18.98	18.97	18.94	
5	256QAM	12	13	18.74	18.85	18.72	
5	256QAM	25	0	18.95	19.02	18.90	
Channel				18615	18900	19185	
Frequency (MHz)				18615	18900	19185	Tune-up limit (dBm)



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	19.34	19.74	19.48	20
3	QPSK	1	8	19.48	19.45	19.46	
3	QPSK	1	14	19.37	19.20	19.61	
3	QPSK	8	0	19.46	19.75	19.61	20
3	QPSK	8	4	19.59	19.58	19.61	
3	QPSK	8	7	19.56	19.39	19.71	
3	QPSK	15	0	19.51	19.51	19.60	20
3	16QAM	1	0	19.49	19.93	19.89	
3	16QAM	1	8	19.67	19.79	19.82	
3	16QAM	1	14	19.61	19.54	19.87	20
3	16QAM	8	0	19.51	19.77	19.54	
3	16QAM	8	4	19.54	19.61	19.58	
3	16QAM	8	7	19.57	19.43	19.65	20
3	16QAM	15	0	19.47	19.58	19.62	
3	64QAM	1	0	19.55	19.84	19.76	
3	64QAM	1	8	19.73	19.81	19.64	20
3	64QAM	1	14	19.67	19.52	19.79	
3	64QAM	8	0	19.55	19.76	19.57	
3	64QAM	8	4	19.56	19.59	19.63	20
3	64QAM	8	7	19.59	19.44	19.69	
3	64QAM	15	0	19.52	19.59	19.61	
3	256QAM	1	0	18.97	19.11	18.69	20
3	256QAM	1	8	19.08	19.08	18.90	
3	256QAM	1	14	18.82	18.74	18.78	
3	256QAM	8	0	19.18	19.04	19.09	20
3	256QAM	8	4	19.00	19.02	18.92	
3	256QAM	8	7	18.75	18.93	18.77	
3	256QAM	15	0	18.92	19.00	18.95	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.46	19.50	19.48	20
1.4	QPSK	1	3	19.47	19.42	19.39	
1.4	QPSK	1	5	19.54	19.49	19.52	
1.4	QPSK	3	0	19.46	19.49	19.45	20
1.4	QPSK	3	1	19.47	19.46	19.57	
1.4	QPSK	3	3	19.48	19.47	19.51	
1.4	QPSK	6	0	19.48	19.51	19.50	20
1.4	16QAM	1	0	19.72	19.91	19.79	20
1.4	16QAM	1	3	19.69	19.72	19.64	
1.4	16QAM	1	5	19.70	19.84	19.75	
1.4	16QAM	3	0	19.49	19.56	19.49	20
1.4	16QAM	3	1	19.55	19.63	19.64	
1.4	16QAM	3	3	19.59	19.58	19.57	
1.4	16QAM	6	0	19.55	19.56	19.51	20
1.4	64QAM	1	0	19.64	19.76	19.61	20
1.4	64QAM	1	3	19.67	19.64	19.61	
1.4	64QAM	1	5	19.69	19.69	19.66	
1.4	64QAM	3	0	19.51	19.56	19.49	20
1.4	64QAM	3	1	19.63	19.60	19.50	
1.4	64QAM	3	3	19.61	19.60	19.54	
1.4	64QAM	6	0	19.46	19.51	19.43	20
1.4	256QAM	1	0	19.02	19.09	18.67	20
1.4	256QAM	1	3	19.12	19.06	18.96	
1.4	256QAM	1	5	18.75	18.80	18.78	
1.4	256QAM	3	0	19.19	19.04	19.08	20
1.4	256QAM	3	1	18.95	18.98	18.91	
1.4	256QAM	3	3	18.73	18.90	18.75	
1.4	256QAM	6	0	18.92	18.99	18.94	20



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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	19.49	19.76	19.67	20.7
20	QPSK	1	49	19.35	19.54	19.49	
20	QPSK	1	99	19.44	19.20	19.55	
20	QPSK	50	0	19.61	19.77	19.73	20.7
20	QPSK	50	24	19.55	19.63	19.65	
20	QPSK	50	50	19.61	19.46	19.64	
20	QPSK	100	0	19.56	19.68	19.58	
20	16QAM	1	0	19.58	19.95	19.98	20.7
20	16QAM	1	49	19.73	19.86	19.91	
20	16QAM	1	99	19.66	19.55	19.96	
20	16QAM	50	0	19.54	19.78	19.63	20.7
20	16QAM	50	24	19.60	19.64	19.63	
20	16QAM	50	50	19.61	19.49	19.68	
20	16QAM	100	0	19.56	19.60	19.64	
20	64QAM	1	0	19.56	19.92	19.82	20.7
20	64QAM	1	49	19.80	19.83	19.71	
20	64QAM	1	99	19.70	19.53	19.82	
20	64QAM	50	0	19.58	19.81	19.65	20.7
20	64QAM	50	24	19.64	19.68	19.65	
20	64QAM	50	50	19.64	19.52	19.71	
20	64QAM	100	0	19.58	19.61	19.64	
20	256QAM	1	0	19.05	19.17	18.72	20.2
20	256QAM	1	49	19.15	19.15	18.99	
20	256QAM	1	99	18.83	18.83	18.86	
20	256QAM	50	0	19.21	19.12	19.17	20.2
20	256QAM	50	24	19.01	19.06	18.99	
20	256QAM	50	50	18.77	18.94	18.80	
20	256QAM	100	0	18.98	19.04	18.97	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.26	19.70	19.49	20.7
15	QPSK	1	37	19.42	19.50	19.44	
15	QPSK	1	74	19.40	19.20	19.64	
15	QPSK	36	0	19.49	19.69	19.57	20.7
15	QPSK	36	20	19.59	19.54	19.61	
15	QPSK	36	39	19.60	19.44	19.69	
15	QPSK	75	0	19.54	19.55	19.65	
15	16QAM	1	0	19.51	19.88	19.89	20.7
15	16QAM	1	37	19.64	19.80	19.85	
15	16QAM	1	74	19.64	19.51	19.87	
15	16QAM	36	0	19.46	19.74	19.54	20.7
15	16QAM	36	20	19.55	19.59	19.56	
15	16QAM	36	39	19.60	19.40	19.65	
15	16QAM	75	0	19.50	19.52	19.60	
15	64QAM	1	0	19.48	19.91	19.75	20.7
15	64QAM	1	37	19.75	19.79	19.62	
15	64QAM	1	74	19.69	19.45	19.76	
15	64QAM	36	0	19.51	19.74	19.58	20.7
15	64QAM	36	20	19.61	19.64	19.57	
15	64QAM	36	39	19.58	19.43	19.67	
15	64QAM	75	0	19.53	19.59	19.57	
15	256QAM	1	0	19.04	19.10	18.70	20.2
15	256QAM	1	37	19.11	19.07	18.90	
15	256QAM	1	74	18.80	18.80	18.78	
15	256QAM	36	0	19.12	19.05	19.16	20.2
15	256QAM	36	20	18.98	19.04	18.98	



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15	256QAM	36	39	18.76	18.91	18.79	
15	256QAM	75	0	18.91	19.03	18.90	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.26	19.67	19.48	20.7
10	QPSK	1	25	19.41	19.45	19.45	
10	QPSK	1	49	19.37	19.21	19.65	
10	QPSK	25	0	19.47	19.76	19.56	20.7
10	QPSK	25	12	19.60	19.62	19.57	
10	QPSK	25	25	19.58	19.44	19.69	
10	QPSK	50	0	19.50	19.51	19.60	
10	16QAM	1	0	19.53	19.91	19.96	
10	16QAM	1	25	19.67	19.81	19.87	20.7
10	16QAM	1	49	19.57	19.52	19.91	
10	16QAM	25	0	19.45	19.74	19.59	20.7
10	16QAM	25	12	19.59	19.57	19.59	
10	16QAM	25	25	19.55	19.40	19.61	
10	16QAM	50	0	19.53	19.54	19.55	
10	64QAM	1	0	19.50	19.89	19.80	
10	64QAM	1	25	19.79	19.79	19.64	20.7
10	64QAM	1	49	19.68	19.45	19.80	
10	64QAM	25	0	19.51	19.78	19.62	
10	64QAM	25	12	19.56	19.66	19.61	20.7
10	64QAM	25	25	19.58	19.48	19.64	
10	64QAM	50	0	19.54	19.58	19.55	
10	256QAM	1	0	19.02	19.09	18.67	
10	256QAM	1	25	19.12	19.06	18.96	
10	256QAM	1	49	18.75	18.80	18.78	20.2
10	256QAM	25	0	19.19	19.04	19.08	
10	256QAM	25	12	18.95	18.98	18.91	
10	256QAM	25	25	18.73	18.90	18.75	
10	256QAM	50	0	18.92	18.99	18.94	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	19.33	19.72	19.46	20.7
5	QPSK	1	12	19.45	19.47	19.41	
5	QPSK	1	24	19.36	19.21	19.62	
5	QPSK	12	0	19.54	19.69	19.55	20.7
5	QPSK	12	7	19.56	19.59	19.62	
5	QPSK	12	13	19.59	19.39	19.68	
5	QPSK	25	0	19.55	19.52	19.63	
5	16QAM	1	0	19.49	19.86	19.96	
5	16QAM	1	12	19.67	19.85	19.82	20.7
5	16QAM	1	24	19.60	19.48	19.95	
5	16QAM	12	0	19.50	19.72	19.61	
5	16QAM	12	7	19.52	19.55	19.58	20.7
5	16QAM	12	13	19.55	19.43	19.66	
5	16QAM	25	0	19.49	19.52	19.59	
5	64QAM	1	0	19.53	19.85	19.79	
5	64QAM	1	12	19.77	19.79	19.70	
5	64QAM	1	24	19.61	19.52	19.76	20.7
5	64QAM	12	0	19.54	19.77	19.62	
5	64QAM	12	7	19.58	19.66	19.57	
5	64QAM	12	13	19.59	19.50	19.68	
5	64QAM	25	0	19.57	19.52	19.63	
5	256QAM	1	0	18.96	19.10	18.63	20.2
5	256QAM	1	12	19.06	19.14	18.98	
5	256QAM	1	24	18.78	18.78	18.78	
5	256QAM	12	0	19.18	19.08	19.15	
5	256QAM	12	7	18.98	18.97	18.94	
5	256QAM	12	13	18.74	18.85	18.72	20.2
5	256QAM	25	0	18.95	19.02	18.90	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)	
3	QPSK	1	0	19.34	19.74	19.48	20.7	
3	QPSK	1	8	19.48	19.45	19.46		
3	QPSK	1	14	19.37	19.20	19.61		
3	QPSK	8	0	19.46	19.75	19.61	20.7	
3	QPSK	8	4	19.59	19.58	19.61		
3	QPSK	8	7	19.56	19.39	19.71		
3	QPSK	15	0	19.51	19.51	19.60	20.7	
3	16QAM	1	0	19.49	19.93	19.89		
3	16QAM	1	8	19.67	19.79	19.82		
3	16QAM	1	14	19.61	19.54	19.87	20.7	
3	16QAM	8	0	19.51	19.77	19.54		
3	16QAM	8	4	19.54	19.61	19.58		
3	16QAM	8	7	19.57	19.43	19.65	20.7	
3	16QAM	15	0	19.47	19.58	19.62		
3	64QAM	1	0	19.55	19.84	19.76		
3	64QAM	1	8	19.73	19.81	19.64	20.7	
3	64QAM	1	14	19.67	19.52	19.79		
3	64QAM	8	0	19.55	19.76	19.57		
3	64QAM	8	4	19.56	19.59	19.63	20.7	
3	64QAM	8	7	19.59	19.44	19.69		
3	64QAM	15	0	19.52	19.59	19.61		
3	256QAM	1	0	18.97	19.11	18.69	20.2	
3	256QAM	1	8	19.08	19.08	18.90		
3	256QAM	1	14	18.82	18.74	18.78		
3	256QAM	8	0	19.18	19.04	19.09	20.2	
3	256QAM	8	4	19.00	19.02	18.92		
3	256QAM	8	7	18.75	18.93	18.77		
3	256QAM	15	0	18.92	19.00	18.95	20.2	
Channel				18607	18900	19193		Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.46	19.50	19.48	20.7	
1.4	QPSK	1	3	19.47	19.42	19.39		
1.4	QPSK	1	5	19.54	19.49	19.52		
1.4	QPSK	3	0	19.46	19.49	19.45	20.7	
1.4	QPSK	3	1	19.47	19.46	19.57		
1.4	QPSK	3	3	19.48	19.47	19.51		
1.4	QPSK	6	0	19.48	19.51	19.50	20.7	
1.4	16QAM	1	0	19.72	19.91	19.79		
1.4	16QAM	1	3	19.69	19.72	19.64		
1.4	16QAM	1	5	19.70	19.84	19.75	20.7	
1.4	16QAM	3	0	19.49	19.56	19.49		
1.4	16QAM	3	1	19.55	19.63	19.64		
1.4	16QAM	3	3	19.59	19.58	19.57	20.7	
1.4	16QAM	6	0	19.55	19.56	19.51		
1.4	64QAM	1	0	19.64	19.76	19.61		
1.4	64QAM	1	3	19.67	19.64	19.61	20.7	
1.4	64QAM	1	5	19.69	19.69	19.66		
1.4	64QAM	3	0	19.51	19.56	19.49		
1.4	64QAM	3	1	19.63	19.60	19.50	20.7	
1.4	64QAM	3	3	19.61	19.60	19.54		
1.4	64QAM	6	0	19.46	19.51	19.43		
1.4	256QAM	1	0	19.02	19.09	18.67	20.2	
1.4	256QAM	1	3	19.12	19.06	18.96		
1.4	256QAM	1	5	18.75	18.80	18.78		
1.4	256QAM	3	0	19.19	19.04	19.08	20.2	
1.4	256QAM	3	1	18.95	18.98	18.91		
1.4	256QAM	3	3	18.73	18.90	18.75		
1.4	256QAM	6	0	18.92	18.99	18.94	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	19.49	19.76	19.67	20
20	QPSK	1	49	19.35	19.54	19.49	
20	QPSK	1	99	19.44	19.20	19.55	
20	QPSK	50	0	19.61	19.77	19.73	20
20	QPSK	50	24	19.55	19.63	19.65	
20	QPSK	50	50	19.61	19.46	19.64	
20	QPSK	100	0	19.56	19.68	19.58	20
20	16QAM	1	0	19.58	19.95	19.98	
20	16QAM	1	49	19.73	19.86	19.91	
20	16QAM	1	99	19.66	19.55	19.96	20
20	16QAM	50	0	19.54	19.78	19.63	
20	16QAM	50	24	19.60	19.64	19.63	
20	16QAM	50	50	19.61	19.49	19.68	20
20	16QAM	100	0	19.56	19.60	19.64	
20	64QAM	1	0	19.56	19.92	19.82	
20	64QAM	1	49	19.80	19.83	19.71	20
20	64QAM	1	99	19.70	19.53	19.82	
20	64QAM	50	0	19.58	19.81	19.65	
20	64QAM	50	24	19.64	19.68	19.65	20
20	64QAM	50	50	19.64	19.52	19.71	
20	64QAM	100	0	19.58	19.61	19.64	
20	256QAM	1	0	19.05	19.17	18.72	20
20	256QAM	1	49	19.15	19.15	18.99	
20	256QAM	1	99	18.83	18.83	18.86	
20	256QAM	50	0	19.21	19.12	19.17	20
20	256QAM	50	24	19.01	19.06	18.99	
20	256QAM	50	50	18.77	18.94	18.80	
20	256QAM	100	0	18.98	19.04	18.97	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.26	19.70	19.49	20
15	QPSK	1	37	19.42	19.50	19.44	
15	QPSK	1	74	19.40	19.20	19.64	
15	QPSK	36	0	19.49	19.69	19.57	20
15	QPSK	36	20	19.59	19.54	19.61	
15	QPSK	36	39	19.60	19.44	19.69	
15	QPSK	75	0	19.54	19.55	19.65	20
15	16QAM	1	0	19.51	19.88	19.89	
15	16QAM	1	37	19.64	19.80	19.85	
15	16QAM	1	74	19.64	19.51	19.87	20
15	16QAM	36	0	19.46	19.74	19.54	
15	16QAM	36	20	19.55	19.59	19.56	
15	16QAM	36	39	19.60	19.40	19.65	20
15	16QAM	75	0	19.50	19.52	19.60	
15	64QAM	1	0	19.48	19.91	19.75	
15	64QAM	1	37	19.75	19.79	19.62	20
15	64QAM	1	74	19.69	19.45	19.76	
15	64QAM	36	0	19.51	19.74	19.58	
15	64QAM	36	20	19.61	19.64	19.57	20
15	64QAM	36	39	19.58	19.43	19.67	
15	64QAM	75	0	19.53	19.59	19.57	
15	256QAM	1	0	19.04	19.10	18.70	20
15	256QAM	1	37	19.11	19.07	18.90	
15	256QAM	1	74	18.80	18.80	18.78	
15	256QAM	36	0	19.12	19.05	19.16	20
15	256QAM	36	20	18.98	19.04	18.98	



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15	256QAM	36	39	18.76	18.91	18.79	
15	256QAM	75	0	18.91	19.03	18.90	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.26	19.67	19.48	20
10	QPSK	1	25	19.41	19.45	19.45	
10	QPSK	1	49	19.37	19.21	19.65	
10	QPSK	25	0	19.47	19.76	19.56	20
10	QPSK	25	12	19.60	19.62	19.57	
10	QPSK	25	25	19.58	19.44	19.69	
10	QPSK	50	0	19.50	19.51	19.60	20
10	16QAM	1	0	19.53	19.91	19.96	
10	16QAM	1	25	19.67	19.81	19.87	
10	16QAM	1	49	19.57	19.52	19.91	20
10	16QAM	25	0	19.45	19.74	19.59	
10	16QAM	25	12	19.59	19.57	19.59	
10	16QAM	25	25	19.55	19.40	19.61	20
10	16QAM	50	0	19.53	19.54	19.55	
10	64QAM	1	0	19.50	19.89	19.80	
10	64QAM	1	25	19.79	19.79	19.64	20
10	64QAM	1	49	19.68	19.45	19.80	
10	64QAM	25	0	19.51	19.78	19.62	
10	64QAM	25	12	19.56	19.66	19.61	20
10	64QAM	25	25	19.58	19.48	19.64	
10	64QAM	50	0	19.54	19.58	19.55	
10	256QAM	1	0	19.02	19.09	18.67	20
10	256QAM	1	25	19.12	19.06	18.96	
10	256QAM	1	49	18.75	18.80	18.78	
10	256QAM	25	0	19.19	19.04	19.08	20
10	256QAM	25	12	18.95	18.98	18.91	
10	256QAM	25	25	18.73	18.90	18.75	
10	256QAM	50	0	18.92	18.99	18.94	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)
5	QPSK	1	0	19.33	19.72	19.46	20
5	QPSK	1	12	19.45	19.47	19.41	
5	QPSK	1	24	19.36	19.21	19.62	
5	QPSK	12	0	19.54	19.69	19.55	20
5	QPSK	12	7	19.56	19.59	19.62	
5	QPSK	12	13	19.59	19.39	19.68	
5	QPSK	25	0	19.55	19.52	19.63	20
5	16QAM	1	0	19.49	19.86	19.96	
5	16QAM	1	12	19.67	19.85	19.82	
5	16QAM	1	24	19.60	19.48	19.95	20
5	16QAM	12	0	19.50	19.72	19.61	
5	16QAM	12	7	19.52	19.55	19.58	
5	16QAM	12	13	19.55	19.43	19.66	20
5	16QAM	25	0	19.49	19.52	19.59	
5	64QAM	1	0	19.53	19.85	19.79	
5	64QAM	1	12	19.77	19.79	19.70	20
5	64QAM	1	24	19.61	19.52	19.76	
5	64QAM	12	0	19.54	19.77	19.62	
5	64QAM	12	7	19.58	19.66	19.57	20
5	64QAM	12	13	19.59	19.50	19.68	
5	64QAM	25	0	19.57	19.52	19.63	
5	256QAM	1	0	18.96	19.10	18.63	20
5	256QAM	1	12	19.06	19.14	18.98	
5	256QAM	1	24	18.78	18.78	18.78	
5	256QAM	12	0	19.18	19.08	19.15	20
5	256QAM	12	7	18.98	18.97	18.94	
5	256QAM	12	13	18.74	18.85	18.72	
5	256QAM	25	0	18.95	19.02	18.90	
Channel				18615	18900	19185	
Frequency (MHz)				18615	18900	19185	Tune-up limit (dBm)



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	19.34	19.74	19.48	20
3	QPSK	1	8	19.48	19.45	19.46	
3	QPSK	1	14	19.37	19.20	19.61	
3	QPSK	8	0	19.46	19.75	19.61	20
3	QPSK	8	4	19.59	19.58	19.61	
3	QPSK	8	7	19.56	19.39	19.71	
3	QPSK	15	0	19.51	19.51	19.60	
3	16QAM	1	0	19.49	19.93	19.89	20
3	16QAM	1	8	19.67	19.79	19.82	
3	16QAM	1	14	19.61	19.54	19.87	
3	16QAM	8	0	19.51	19.77	19.54	20
3	16QAM	8	4	19.54	19.61	19.58	
3	16QAM	8	7	19.57	19.43	19.65	
3	16QAM	15	0	19.47	19.58	19.62	
3	64QAM	1	0	19.55	19.84	19.76	
3	64QAM	1	8	19.73	19.81	19.64	20
3	64QAM	1	14	19.67	19.52	19.79	
3	64QAM	8	0	19.55	19.76	19.57	
3	64QAM	8	4	19.56	19.59	19.63	20
3	64QAM	8	7	19.59	19.44	19.69	
3	64QAM	15	0	19.52	19.59	19.61	
3	256QAM	1	0	18.97	19.11	18.69	
3	256QAM	1	8	19.08	19.08	18.90	20
3	256QAM	1	14	18.82	18.74	18.78	
3	256QAM	8	0	19.18	19.04	19.09	
3	256QAM	8	4	19.00	19.02	18.92	20
3	256QAM	8	7	18.75	18.93	18.77	
3	256QAM	15	0	18.92	19.00	18.95	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.46	19.50	19.48	20
1.4	QPSK	1	3	19.47	19.42	19.39	
1.4	QPSK	1	5	19.54	19.49	19.52	
1.4	QPSK	3	0	19.46	19.49	19.45	
1.4	QPSK	3	1	19.47	19.46	19.57	
1.4	QPSK	3	3	19.48	19.47	19.51	
1.4	QPSK	6	0	19.48	19.51	19.50	20
1.4	16QAM	1	0	19.72	19.91	19.79	20
1.4	16QAM	1	3	19.69	19.72	19.64	
1.4	16QAM	1	5	19.70	19.84	19.75	
1.4	16QAM	3	0	19.49	19.56	19.49	
1.4	16QAM	3	1	19.55	19.63	19.64	
1.4	16QAM	3	3	19.59	19.58	19.57	
1.4	16QAM	6	0	19.55	19.56	19.51	20
1.4	64QAM	1	0	19.64	19.76	19.61	20
1.4	64QAM	1	3	19.67	19.64	19.61	
1.4	64QAM	1	5	19.69	19.69	19.66	
1.4	64QAM	3	0	19.51	19.56	19.49	
1.4	64QAM	3	1	19.63	19.60	19.50	
1.4	64QAM	3	3	19.61	19.60	19.54	
1.4	64QAM	6	0	19.46	19.51	19.43	20
1.4	256QAM	1	0	19.02	19.09	18.67	20
1.4	256QAM	1	3	19.12	19.06	18.96	
1.4	256QAM	1	5	18.75	18.80	18.78	
1.4	256QAM	3	0	19.19	19.04	19.08	
1.4	256QAM	3	1	18.95	18.98	18.91	
1.4	256QAM	3	3	18.73	18.90	18.75	
1.4	256QAM	6	0	18.92	18.99	18.94	20



<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	15.78	15.92	15.83	17.2
20	QPSK	1	49	15.77	15.83	15.82	
20	QPSK	1	99	15.64	15.66	15.66	
20	QPSK	50	0	15.73	15.84	15.76	17.2
20	QPSK	50	24	15.71	15.80	15.73	
20	QPSK	50	50	15.62	15.72	15.66	
20	QPSK	100	0	15.74	15.79	15.76	
20	16QAM	1	0	16.02	16.08	15.99	17.2
20	16QAM	1	49	15.93	16.01	15.92	
20	16QAM	1	99	16.01	16.07	15.98	
20	16QAM	50	0	15.93	16.00	15.91	17.2
20	16QAM	50	24	15.92	15.98	15.90	
20	16QAM	50	50	15.88	15.96	15.90	
20	16QAM	100	0	15.85	15.95	15.94	
20	64QAM	1	0	15.96	16.00	15.98	17.2
20	64QAM	1	49	15.79	15.82	15.77	
20	64QAM	1	99	15.58	15.63	15.60	
20	64QAM	50	0	15.71	15.74	15.68	17.2
20	64QAM	50	24	15.64	15.73	15.70	
20	64QAM	50	50	15.68	15.69	15.63	
20	64QAM	100	0	15.69	15.76	15.71	
20	256QAM	1	0	15.92	16.02	15.98	17.2
20	256QAM	1	49	15.79	15.79	15.79	
20	256QAM	1	99	15.49	15.58	15.54	
20	256QAM	50	0	15.68	15.77	15.73	17.2
20	256QAM	50	24	15.70	15.78	15.70	
20	256QAM	50	50	15.63	15.68	15.64	
20	256QAM	100	0	15.69	15.73	15.67	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.77	15.88	15.83	17.2
15	QPSK	1	37	15.72	15.78	15.80	
15	QPSK	1	74	15.54	15.63	15.64	
15	QPSK	36	0	15.66	15.83	15.72	17.2
15	QPSK	36	20	15.62	15.78	15.69	
15	QPSK	36	39	15.54	15.68	15.66	
15	QPSK	75	0	15.67	15.78	15.75	
15	16QAM	1	0	15.96	16.05	15.96	17.2
15	16QAM	1	37	15.90	15.92	15.90	
15	16QAM	1	74	15.97	16.00	15.93	
15	16QAM	36	0	15.88	15.95	15.89	17.2
15	16QAM	36	20	15.90	15.97	15.88	
15	16QAM	36	39	15.84	15.93	15.81	
15	16QAM	75	0	15.85	15.87	15.89	
15	64QAM	1	0	15.87	15.98	15.91	17.2
15	64QAM	1	37	15.72	15.80	15.70	
15	64QAM	1	74	15.48	15.55	15.60	
15	64QAM	36	0	15.67	15.66	15.66	17.2
15	64QAM	36	20	15.64	15.72	15.69	
15	64QAM	36	39	15.64	15.69	15.53	
15	64QAM	75	0	15.60	15.70	15.65	
15	256QAM	1	0	15.82	16.01	15.98	17.2
15	256QAM	1	37	15.78	15.72	15.75	
15	256QAM	1	74	15.47	15.48	15.45	
15	256QAM	36	0	15.66	15.67	15.70	17.2
15	256QAM	36	20	15.70	15.75	15.67	



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15	256QAM	36	39	15.56	15.61	15.60	
15	256QAM	75	0	15.62	15.69	15.59	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	15.74	15.85	15.76	17.2
10	QPSK	1	25	15.70	15.81	15.75	
10	QPSK	1	49	15.64	15.61	15.64	
10	QPSK	25	0	15.71	15.80	15.68	17.2
10	QPSK	25	12	15.70	15.75	15.70	
10	QPSK	25	25	15.60	15.67	15.63	
10	QPSK	50	0	15.68	15.70	15.66	
10	16QAM	1	0	15.93	15.98	15.95	17.2
10	16QAM	1	25	15.84	15.97	15.82	
10	16QAM	1	49	15.97	16.00	15.90	17.2
10	16QAM	25	0	15.90	16.00	15.86	
10	16QAM	25	12	15.83	15.96	15.85	
10	16QAM	25	25	15.79	15.94	15.83	
10	16QAM	50	0	15.85	15.88	15.91	
10	64QAM	1	0	15.90	15.97	15.89	17.2
10	64QAM	1	25	15.70	15.80	15.77	
10	64QAM	1	49	15.55	15.55	15.60	
10	64QAM	25	0	15.67	15.67	15.62	17.2
10	64QAM	25	12	15.61	15.71	15.60	
10	64QAM	25	25	15.65	15.65	15.58	
10	64QAM	50	0	15.60	15.66	15.67	
10	256QAM	1	0	15.84	15.94	15.90	
10	256QAM	1	25	15.75	15.71	15.78	17.2
10	256QAM	1	49	15.47	15.57	15.44	
10	256QAM	25	0	15.67	15.72	15.65	17.2
10	256QAM	25	12	15.68	15.68	15.62	
10	256QAM	25	25	15.58	15.67	15.55	
10	256QAM	50	0	15.65	15.70	15.61	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	15.75	15.88	15.80	17.2
5	QPSK	1	12	15.70	15.75	15.79	
5	QPSK	1	24	15.60	15.60	15.61	
5	QPSK	12	0	15.64	15.81	15.66	17.2
5	QPSK	12	7	15.68	15.78	15.63	
5	QPSK	12	13	15.54	15.62	15.65	
5	QPSK	25	0	15.71	15.70	15.72	
5	16QAM	1	0	16.01	16.04	15.95	17.2
5	16QAM	1	12	15.86	16.00	15.91	
5	16QAM	1	24	16.00	16.03	15.96	
5	16QAM	12	0	15.83	15.95	15.84	17.2
5	16QAM	12	7	15.82	15.96	15.86	
5	16QAM	12	13	15.87	15.87	15.81	
5	16QAM	25	0	15.83	15.87	15.89	
5	64QAM	1	0	15.91	15.91	15.96	
5	64QAM	1	12	15.69	15.72	15.70	17.2
5	64QAM	1	24	15.53	15.54	15.59	
5	64QAM	12	0	15.64	15.72	15.64	17.2
5	64QAM	12	7	15.61	15.66	15.60	
5	64QAM	12	13	15.65	15.59	15.60	
5	64QAM	25	0	15.66	15.69	15.70	
5	256QAM	1	0	15.91	15.98	15.90	17.2
5	256QAM	1	12	15.69	15.71	15.77	
5	256QAM	1	24	15.40	15.51	15.52	
5	256QAM	12	0	15.62	15.75	15.69	17.2
5	256QAM	12	7	15.65	15.77	15.69	
5	256QAM	12	13	15.61	15.66	15.54	
5	256QAM	25	0	15.65	15.65	15.65	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	15.69	15.92	15.82	17.2
3	QPSK	1	8	15.73	15.83	15.79	
3	QPSK	1	14	15.63	15.66	15.59	
3	QPSK	8	0	15.71	15.75	15.68	17.2
3	QPSK	8	4	15.62	15.73	15.63	
3	QPSK	8	7	15.57	15.66	15.56	
3	QPSK	15	0	15.69	15.79	15.69	17.2
3	16QAM	1	0	15.99	16.00	15.95	
3	16QAM	1	8	15.90	15.91	15.86	
3	16QAM	1	14	16.01	16.03	15.98	17.2
3	16QAM	8	0	15.89	15.92	15.84	
3	16QAM	8	4	15.91	15.91	15.85	
3	16QAM	8	7	15.87	15.92	15.83	17.2
3	16QAM	15	0	15.84	15.88	15.86	
3	64QAM	1	0	15.92	15.95	15.91	
3	64QAM	1	8	15.71	15.81	15.74	17.2
3	64QAM	1	14	15.52	15.54	15.53	
3	64QAM	8	0	15.68	15.68	15.66	
3	64QAM	8	4	15.61	15.73	15.68	17.2
3	64QAM	8	7	15.67	15.66	15.61	
3	64QAM	15	0	15.67	15.68	15.67	
3	256QAM	1	0	15.88	15.95	15.92	17.2
3	256QAM	1	8	15.70	15.74	15.76	
3	256QAM	1	14	15.44	15.50	15.50	
3	256QAM	8	0	15.68	15.70	15.66	17.2
3	256QAM	8	4	15.61	15.77	15.65	
3	256QAM	8	7	15.55	15.62	15.63	
3	256QAM	15	0	15.65	15.65	15.61	
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	15.71	15.87	15.81	17.2
1.4	QPSK	1	3	15.73	15.81	15.77	
1.4	QPSK	1	5	15.63	15.57	15.66	
1.4	QPSK	3	0	15.68	15.83	15.72	17.2
1.4	QPSK	3	1	15.63	15.78	15.72	
1.4	QPSK	3	3	15.62	15.69	15.63	
1.4	QPSK	6	0	15.67	15.76	15.72	17.2
1.4	16QAM	1	0	15.95	16.03	15.90	17.2
1.4	16QAM	1	3	15.88	15.99	15.83	
1.4	16QAM	1	5	15.95	15.98	15.93	
1.4	16QAM	3	0	15.87	15.93	15.81	17.2
1.4	16QAM	3	1	15.84	15.92	15.90	
1.4	16QAM	3	3	15.88	15.90	15.89	
1.4	16QAM	6	0	15.85	15.93	15.93	17.2
1.4	64QAM	1	0	15.96	15.99	15.94	17.2
1.4	64QAM	1	3	15.72	15.76	15.68	
1.4	64QAM	1	5	15.58	15.58	15.53	
1.4	64QAM	3	0	15.69	15.74	15.59	17.2
1.4	64QAM	3	1	15.64	15.66	15.63	
1.4	64QAM	3	3	15.62	15.59	15.54	
1.4	64QAM	6	0	15.62	15.76	15.64	17.2
1.4	256QAM	1	0	15.86	16.02	15.91	17.2
1.4	256QAM	1	3	15.74	15.73	15.71	
1.4	256QAM	1	5	15.40	15.54	15.53	
1.4	256QAM	3	0	15.63	15.68	15.66	17.2
1.4	256QAM	3	1	15.67	15.70	15.68	
1.4	256QAM	3	3	15.55	15.66	15.55	
1.4	256QAM	6	0	15.59	15.72	15.60	17.2



<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	15.78	15.92	15.83	16.5
20	QPSK	1	49	15.77	15.83	15.82	
20	QPSK	1	99	15.64	15.66	15.66	
20	QPSK	50	0	15.73	15.84	15.76	16.5
20	QPSK	50	24	15.71	15.80	15.73	
20	QPSK	50	50	15.62	15.72	15.66	
20	QPSK	100	0	15.74	15.79	15.76	
20	16QAM	1	0	16.02	16.08	15.99	16.5
20	16QAM	1	49	15.93	16.01	15.92	
20	16QAM	1	99	16.01	16.07	15.98	
20	16QAM	50	0	15.93	16.00	15.91	16.5
20	16QAM	50	24	15.92	15.98	15.90	
20	16QAM	50	50	15.88	15.96	15.90	
20	16QAM	100	0	15.85	15.95	15.94	
20	64QAM	1	0	15.96	16.00	15.98	16.5
20	64QAM	1	49	15.79	15.82	15.77	
20	64QAM	1	99	15.58	15.63	15.60	
20	64QAM	50	0	15.71	15.74	15.68	16.5
20	64QAM	50	24	15.64	15.73	15.70	
20	64QAM	50	50	15.68	15.69	15.63	
20	64QAM	100	0	15.69	15.76	15.71	
20	256QAM	1	0	15.92	16.02	15.98	16.5
20	256QAM	1	49	15.79	15.79	15.79	
20	256QAM	1	99	15.49	15.58	15.54	
20	256QAM	50	0	15.68	15.77	15.73	16.5
20	256QAM	50	24	15.70	15.78	15.70	
20	256QAM	50	50	15.63	15.68	15.64	
20	256QAM	100	0	15.69	15.73	15.67	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.77	15.88	15.83	16.5
15	QPSK	1	37	15.72	15.78	15.80	
15	QPSK	1	74	15.54	15.63	15.64	
15	QPSK	36	0	15.66	15.83	15.72	16.5
15	QPSK	36	20	15.62	15.78	15.69	
15	QPSK	36	39	15.54	15.68	15.66	
15	QPSK	75	0	15.67	15.78	15.75	
15	16QAM	1	0	15.96	16.05	15.96	16.5
15	16QAM	1	37	15.90	15.92	15.90	
15	16QAM	1	74	15.97	16.00	15.93	
15	16QAM	36	0	15.88	15.95	15.89	16.5
15	16QAM	36	20	15.90	15.97	15.88	
15	16QAM	36	39	15.84	15.93	15.81	
15	16QAM	75	0	15.85	15.87	15.89	
15	64QAM	1	0	15.87	15.98	15.91	16.5
15	64QAM	1	37	15.72	15.80	15.70	
15	64QAM	1	74	15.48	15.55	15.60	
15	64QAM	36	0	15.67	15.66	15.66	16.5
15	64QAM	36	20	15.64	15.72	15.69	
15	64QAM	36	39	15.64	15.69	15.53	
15	64QAM	75	0	15.60	15.70	15.65	
15	256QAM	1	0	15.82	16.01	15.98	16.5
15	256QAM	1	37	15.78	15.72	15.75	
15	256QAM	1	74	15.47	15.48	15.45	
15	256QAM	36	0	15.66	15.67	15.70	16.5
15	256QAM	36	20	15.70	15.75	15.67	



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15	256QAM	36	39	15.56	15.61	15.60	
15	256QAM	75	0	15.62	15.69	15.59	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	15.74	15.85	15.76	16.5
10	QPSK	1	25	15.70	15.81	15.75	
10	QPSK	1	49	15.64	15.61	15.64	
10	QPSK	25	0	15.71	15.80	15.68	16.5
10	QPSK	25	12	15.70	15.75	15.70	
10	QPSK	25	25	15.60	15.67	15.63	
10	QPSK	50	0	15.68	15.70	15.66	16.5
10	16QAM	1	0	15.93	15.98	15.95	
10	16QAM	1	25	15.84	15.97	15.82	
10	16QAM	1	49	15.97	16.00	15.90	16.5
10	16QAM	25	0	15.90	16.00	15.86	
10	16QAM	25	12	15.83	15.96	15.85	
10	16QAM	25	25	15.79	15.94	15.83	16.5
10	16QAM	50	0	15.85	15.88	15.91	
10	64QAM	1	0	15.90	15.97	15.89	
10	64QAM	1	25	15.70	15.80	15.77	16.5
10	64QAM	1	49	15.55	15.55	15.60	
10	64QAM	25	0	15.67	15.67	15.62	
10	64QAM	25	12	15.61	15.71	15.60	16.5
10	64QAM	25	25	15.65	15.65	15.58	
10	64QAM	50	0	15.60	15.66	15.67	
10	256QAM	1	0	15.84	15.94	15.90	16.5
10	256QAM	1	25	15.75	15.71	15.78	
10	256QAM	1	49	15.47	15.57	15.44	
10	256QAM	25	0	15.67	15.72	15.65	16.5
10	256QAM	25	12	15.68	15.68	15.62	
10	256QAM	25	25	15.58	15.67	15.55	
10	256QAM	50	0	15.65	15.70	15.61	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	15.75	15.88	15.80	16.5
5	QPSK	1	12	15.70	15.75	15.79	
5	QPSK	1	24	15.60	15.60	15.61	
5	QPSK	12	0	15.64	15.81	15.66	16.5
5	QPSK	12	7	15.68	15.78	15.63	
5	QPSK	12	13	15.54	15.62	15.65	
5	QPSK	25	0	15.71	15.70	15.72	16.5
5	16QAM	1	0	16.01	16.04	15.95	
5	16QAM	1	12	15.86	16.00	15.91	
5	16QAM	1	24	16.00	16.03	15.96	16.5
5	16QAM	12	0	15.83	15.95	15.84	
5	16QAM	12	7	15.82	15.96	15.86	
5	16QAM	12	13	15.87	15.87	15.81	16.5
5	16QAM	25	0	15.83	15.87	15.89	
5	64QAM	1	0	15.91	15.91	15.96	
5	64QAM	1	12	15.69	15.72	15.70	16.5
5	64QAM	1	24	15.53	15.54	15.59	
5	64QAM	12	0	15.64	15.72	15.64	
5	64QAM	12	7	15.61	15.66	15.60	16.5
5	64QAM	12	13	15.65	15.59	15.60	
5	64QAM	25	0	15.66	15.69	15.70	
5	256QAM	1	0	15.91	15.98	15.90	16.5
5	256QAM	1	12	15.69	15.71	15.77	
5	256QAM	1	24	15.40	15.51	15.52	
5	256QAM	12	0	15.62	15.75	15.69	16.5
5	256QAM	12	7	15.65	15.77	15.69	
5	256QAM	12	13	15.61	15.66	15.54	
5	256QAM	25	0	15.65	15.65	15.65	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	15.69	15.92	15.82	16.5
3	QPSK	1	8	15.73	15.83	15.79	
3	QPSK	1	14	15.63	15.66	15.59	
3	QPSK	8	0	15.71	15.75	15.68	16.5
3	QPSK	8	4	15.62	15.73	15.63	
3	QPSK	8	7	15.57	15.66	15.56	
3	QPSK	15	0	15.69	15.79	15.69	
3	16QAM	1	0	15.99	16.00	15.95	16.5
3	16QAM	1	8	15.90	15.91	15.86	
3	16QAM	1	14	16.01	16.03	15.98	
3	16QAM	8	0	15.89	15.92	15.84	16.5
3	16QAM	8	4	15.91	15.91	15.85	
3	16QAM	8	7	15.87	15.92	15.83	
3	16QAM	15	0	15.84	15.88	15.86	
3	64QAM	1	0	15.92	15.95	15.91	16.5
3	64QAM	1	8	15.71	15.81	15.74	
3	64QAM	1	14	15.52	15.54	15.53	
3	64QAM	8	0	15.68	15.68	15.66	16.5
3	64QAM	8	4	15.61	15.73	15.68	
3	64QAM	8	7	15.67	15.66	15.61	
3	64QAM	15	0	15.67	15.68	15.67	
3	256QAM	1	0	15.88	15.95	15.92	16.5
3	256QAM	1	8	15.70	15.74	15.76	
3	256QAM	1	14	15.44	15.50	15.50	
3	256QAM	8	0	15.68	15.70	15.66	16.5
3	256QAM	8	4	15.61	15.77	15.65	
3	256QAM	8	7	15.55	15.62	15.63	
3	256QAM	15	0	15.65	15.65	15.61	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.71	15.87	15.81	16.5
1.4	QPSK	1	3	15.73	15.81	15.77	
1.4	QPSK	1	5	15.63	15.57	15.66	
1.4	QPSK	3	0	15.68	15.83	15.72	
1.4	QPSK	3	1	15.63	15.78	15.72	
1.4	QPSK	3	3	15.62	15.69	15.63	
1.4	QPSK	6	0	15.67	15.76	15.72	16.5
1.4	16QAM	1	0	15.95	16.03	15.90	16.5
1.4	16QAM	1	3	15.88	15.99	15.83	
1.4	16QAM	1	5	15.95	15.98	15.93	
1.4	16QAM	3	0	15.87	15.93	15.81	
1.4	16QAM	3	1	15.84	15.92	15.90	
1.4	16QAM	3	3	15.88	15.90	15.89	
1.4	16QAM	6	0	15.85	15.93	15.93	16.5
1.4	64QAM	1	0	15.96	15.99	15.94	16.5
1.4	64QAM	1	3	15.72	15.76	15.68	
1.4	64QAM	1	5	15.58	15.58	15.53	
1.4	64QAM	3	0	15.69	15.74	15.59	
1.4	64QAM	3	1	15.64	15.66	15.63	
1.4	64QAM	3	3	15.62	15.59	15.54	
1.4	64QAM	6	0	15.62	15.76	15.64	16.5
1.4	256QAM	1	0	15.86	16.02	15.91	16.5
1.4	256QAM	1	3	15.74	15.73	15.71	
1.4	256QAM	1	5	15.40	15.54	15.53	
1.4	256QAM	3	0	15.63	15.68	15.66	
1.4	256QAM	3	1	15.67	15.70	15.68	
1.4	256QAM	3	3	15.55	15.66	15.55	
1.4	256QAM	6	0	15.59	15.72	15.60	16.5



<LTE Band 2_Ant 5_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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.99	21.05	21.07	21.2
20	QPSK	1	49	20.94	21.02	20.96	
20	QPSK	1	99	20.93	21.01	20.92	
20	QPSK	50	0	21.00	21.02	21.03	21.2
20	QPSK	50	24	20.98	21.00	21.00	
20	QPSK	50	50	20.88	20.90	20.88	
20	QPSK	100	0	21.00	20.96	21.03	21.2
20	16QAM	1	0	21.08	21.16	21.07	
20	16QAM	1	49	20.98	21.08	21.00	
20	16QAM	1	99	21.11	21.15	21.10	21.2
20	16QAM	50	0	21.07	21.08	20.98	
20	16QAM	50	24	20.99	21.03	20.95	
20	16QAM	50	50	20.98	21.08	21.03	21.2
20	16QAM	100	0	20.96	21.05	20.99	
20	64QAM	1	0	21.08	21.11	21.07	
20	64QAM	1	49	21.06	21.06	20.99	21.2
20	64QAM	1	99	21.00	21.03	20.94	
20	64QAM	50	0	21.00	21.04	20.99	
20	64QAM	50	24	20.95	21.03	20.98	21.2
20	64QAM	50	50	20.97	21.00	20.99	
20	64QAM	100	0	20.89	20.94	20.87	
20	256QAM	1	0	19.00	19.03	19.02	20.3
20	256QAM	1	49	18.90	18.95	18.86	
20	256QAM	1	99	18.89	18.94	18.88	
20	256QAM	50	0	18.85	18.88	18.81	20.3
20	256QAM	50	24	18.84	18.86	18.79	
20	256QAM	50	50	18.82	18.88	18.83	
20	256QAM	100	0	18.75	18.82	18.82	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.92	21.02	21.03	21.2
15	QPSK	1	37	20.90	20.95	20.88	
15	QPSK	1	74	20.90	20.94	20.92	
15	QPSK	36	0	20.98	20.99	20.98	21.2
15	QPSK	36	20	20.89	21.00	20.91	
15	QPSK	36	39	20.87	20.87	20.78	
15	QPSK	75	0	20.90	20.90	21.02	21.2
15	16QAM	1	0	21.00	21.10	21.03	
15	16QAM	1	37	20.91	20.98	20.96	
15	16QAM	1	74	21.01	21.08	21.04	21.2
15	16QAM	36	0	21.07	21.04	20.95	
15	16QAM	36	20	20.99	21.01	20.93	
15	16QAM	36	39	20.97	21.02	20.97	21.2
15	16QAM	75	0	20.89	20.97	20.96	
15	64QAM	1	0	20.99	21.02	21.06	
15	64QAM	1	37	20.97	21.06	20.98	21.2
15	64QAM	1	74	20.99	20.95	20.84	
15	64QAM	36	0	20.91	20.96	20.90	
15	64QAM	36	20	20.86	21.00	20.88	21.2
15	64QAM	36	39	20.91	20.99	20.89	
15	64QAM	75	0	20.79	20.88	20.78	
15	256QAM	1	0	18.98	18.94	18.92	20.3
15	256QAM	1	37	18.81	18.85	18.86	
15	256QAM	1	74	18.84	18.87	18.84	
15	256QAM	36	0	18.85	18.83	18.79	20.3
15	256QAM	36	20	18.75	18.77	18.71	



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15	256QAM	36	39	18.82	18.78	18.78	
15	256QAM	75	0	18.72	18.72	18.81	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.98	21.03	21.00	21.2
10	QPSK	1	25	20.92	20.97	20.95	
10	QPSK	1	49	20.87	20.91	20.85	
10	QPSK	25	0	20.95	21.00	20.98	21.2
10	QPSK	25	12	20.90	20.99	20.97	
10	QPSK	25	25	20.78	20.89	20.85	
10	QPSK	50	0	20.99	20.91	20.93	
10	16QAM	1	0	21.01	21.13	21.04	21.2
10	16QAM	1	25	20.93	21.05	20.98	
10	16QAM	1	49	21.07	21.07	21.02	21.2
10	16QAM	25	0	21.03	20.99	20.88	
10	16QAM	25	12	20.91	20.95	20.86	
10	16QAM	25	25	20.91	21.00	20.97	
10	16QAM	50	0	20.91	21.04	20.89	
10	64QAM	1	0	21.08	21.08	20.98	21.2
10	64QAM	1	25	21.00	21.06	20.95	
10	64QAM	1	49	20.92	20.94	20.92	
10	64QAM	25	0	20.95	21.02	20.90	21.2
10	64QAM	25	12	20.90	20.94	20.95	
10	64QAM	25	25	20.92	20.99	20.92	
10	64QAM	50	0	20.82	20.90	20.85	
10	256QAM	1	0	18.92	18.99	18.98	
10	256QAM	1	25	18.88	18.90	18.77	20.3
10	256QAM	1	49	18.85	18.84	18.82	
10	256QAM	25	0	18.78	18.81	18.77	
10	256QAM	25	12	18.74	18.82	18.69	20.3
10	256QAM	25	25	18.80	18.78	18.76	
10	256QAM	50	0	18.65	18.77	18.73	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.94	21.00	21.04	21.2
5	QPSK	1	12	20.87	20.99	20.89	
5	QPSK	1	24	20.88	20.99	20.83	
5	QPSK	12	0	20.98	20.98	20.95	21.2
5	QPSK	12	7	20.97	20.93	20.98	
5	QPSK	12	13	20.82	20.82	20.84	
5	QPSK	25	0	20.98	20.95	20.97	
5	16QAM	1	0	21.04	21.09	21.03	21.2
5	16QAM	1	12	20.88	21.04	20.91	
5	16QAM	1	24	21.01	21.11	21.07	
5	16QAM	12	0	21.07	20.98	20.94	21.2
5	16QAM	12	7	20.99	20.96	20.91	
5	16QAM	12	13	20.88	21.02	21.03	
5	16QAM	25	0	20.95	20.98	20.95	
5	64QAM	1	0	21.05	21.03	20.99	21.2
5	64QAM	1	12	20.97	21.05	20.95	
5	64QAM	1	24	20.90	21.03	20.94	
5	64QAM	12	0	20.92	20.97	20.95	21.2
5	64QAM	12	7	20.88	20.95	20.98	
5	64QAM	12	13	20.94	21.00	20.93	
5	64QAM	25	0	20.87	20.87	20.80	
5	256QAM	1	0	19.00	18.98	18.95	20.3
5	256QAM	1	12	18.90	18.86	18.83	
5	256QAM	1	24	18.84	18.87	18.86	
5	256QAM	12	0	18.75	18.85	18.77	20.3
5	256QAM	12	7	18.78	18.76	18.73	
5	256QAM	12	13	18.81	18.81	18.78	
5	256QAM	25	0	18.72	18.76	18.77	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	20.94	21.00	21.06	21.2
3	QPSK	1	8	20.94	20.97	20.89	
3	QPSK	1	14	20.84	20.95	20.90	
3	QPSK	8	0	20.95	20.98	20.96	21.2
3	QPSK	8	4	20.93	20.92	20.96	
3	QPSK	8	7	20.85	20.87	20.81	
3	QPSK	15	0	20.92	20.92	20.98	21.2
3	16QAM	1	0	21.03	21.07	21.06	
3	16QAM	1	8	20.89	21.02	21.00	
3	16QAM	1	14	21.04	21.15	21.05	21.2
3	16QAM	8	0	21.04	21.04	20.90	
3	16QAM	8	4	20.99	21.01	20.88	
3	16QAM	8	7	20.97	21.02	20.96	21.2
3	16QAM	15	0	20.92	21.04	20.94	
3	64QAM	1	0	21.01	21.02	21.04	
3	64QAM	1	8	21.05	20.98	20.99	21.2
3	64QAM	1	14	20.94	20.94	20.85	
3	64QAM	8	0	20.90	21.00	20.94	
3	64QAM	8	4	20.89	20.98	20.95	21.2
3	64QAM	8	7	20.90	20.99	20.91	
3	64QAM	15	0	20.87	20.86	20.82	
3	256QAM	1	0	18.99	18.97	18.99	20.3
3	256QAM	1	8	18.82	18.90	18.83	
3	256QAM	1	14	18.85	18.85	18.87	
3	256QAM	8	0	18.78	18.88	18.73	20.3
3	256QAM	8	4	18.82	18.82	18.74	
3	256QAM	8	7	18.76	18.81	18.79	
3	256QAM	15	0	18.67	18.79	18.81	Tune-up limit (dBm)
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.99	20.97	21.07	21.2
1.4	QPSK	1	3	20.93	20.93	20.92	
1.4	QPSK	1	5	20.93	20.93	20.88	
1.4	QPSK	3	0	20.90	20.93	20.99	21.2
1.4	QPSK	3	1	20.93	20.90	20.92	
1.4	QPSK	3	3	20.84	20.90	20.85	
1.4	QPSK	6	0	20.97	20.95	21.00	21.2
1.4	16QAM	1	0	20.99	21.08	21.03	
1.4	16QAM	1	3	20.89	21.07	21.00	
1.4	16QAM	1	5	21.09	21.15	21.07	21.2
1.4	16QAM	3	0	20.99	21.02	20.88	
1.4	16QAM	3	1	20.96	20.93	20.88	
1.4	16QAM	3	3	20.98	21.07	20.93	21.2
1.4	16QAM	6	0	20.94	21.03	20.93	
1.4	64QAM	1	0	21.03	21.08	21.05	
1.4	64QAM	1	3	21.04	21.01	20.93	21.2
1.4	64QAM	1	5	20.94	21.02	20.89	
1.4	64QAM	3	0	20.93	21.00	20.90	
1.4	64QAM	3	1	20.93	20.97	20.92	21.2
1.4	64QAM	3	3	20.95	20.92	20.93	
1.4	64QAM	6	0	20.85	20.93	20.85	
1.4	256QAM	1	0	18.98	19.02	18.92	20.3
1.4	256QAM	1	3	18.82	18.88	18.85	
1.4	256QAM	1	5	18.79	18.86	18.87	
1.4	256QAM	3	0	18.85	18.87	18.74	20.3
1.4	256QAM	3	1	18.83	18.80	18.78	
1.4	256QAM	3	3	18.82	18.87	18.83	
1.4	256QAM	6	0	18.65	18.77	18.78	20.3



<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	20.99	21.05	21.07	21.9
20	QPSK	1	49	20.94	21.02	20.96	
20	QPSK	1	99	20.93	21.01	20.92	
20	QPSK	50	0	21.00	21.02	21.03	21.9
20	QPSK	50	24	20.98	21.00	21.00	
20	QPSK	50	50	20.88	20.90	20.88	
20	QPSK	100	0	21.00	20.96	21.03	21.9
20	16QAM	1	0	21.08	21.16	21.07	
20	16QAM	1	49	20.98	21.08	21.00	
20	16QAM	1	99	21.11	21.15	21.10	21.9
20	16QAM	50	0	21.07	21.08	20.98	
20	16QAM	50	24	20.99	21.03	20.95	
20	16QAM	50	50	20.98	21.08	21.03	21.9
20	16QAM	100	0	20.96	21.05	20.99	
20	64QAM	1	0	21.08	21.11	21.07	
20	64QAM	1	49	21.06	21.06	20.99	21.9
20	64QAM	1	99	21.00	21.03	20.94	
20	64QAM	50	0	21.00	21.04	20.99	
20	64QAM	50	24	20.95	21.03	20.98	21.9
20	64QAM	50	50	20.97	21.00	20.99	
20	64QAM	100	0	20.89	20.94	20.87	
20	256QAM	1	0	19.00	19.03	19.02	20.3
20	256QAM	1	49	18.90	18.95	18.86	
20	256QAM	1	99	18.89	18.94	18.88	
20	256QAM	50	0	18.85	18.88	18.81	20.3
20	256QAM	50	24	18.84	18.86	18.79	
20	256QAM	50	50	18.82	18.88	18.83	
20	256QAM	100	0	18.75	18.82	18.82	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.92	21.02	21.03	21.9
15	QPSK	1	37	20.90	20.95	20.88	
15	QPSK	1	74	20.90	20.94	20.92	
15	QPSK	36	0	20.98	20.99	20.98	21.9
15	QPSK	36	20	20.89	21.00	20.91	
15	QPSK	36	39	20.87	20.87	20.78	
15	QPSK	75	0	20.90	20.90	21.02	21.9
15	16QAM	1	0	21.00	21.10	21.03	
15	16QAM	1	37	20.91	20.98	20.96	
15	16QAM	1	74	21.01	21.08	21.04	21.9
15	16QAM	36	0	21.07	21.04	20.95	
15	16QAM	36	20	20.99	21.01	20.93	
15	16QAM	36	39	20.97	21.02	20.97	21.9
15	16QAM	75	0	20.89	20.97	20.96	
15	64QAM	1	0	20.99	21.02	21.06	
15	64QAM	1	37	20.97	21.06	20.98	21.9
15	64QAM	1	74	20.99	20.95	20.84	
15	64QAM	36	0	20.91	20.96	20.90	
15	64QAM	36	20	20.86	21.00	20.88	21.9
15	64QAM	36	39	20.91	20.99	20.89	
15	64QAM	75	0	20.79	20.88	20.78	
15	256QAM	1	0	18.98	18.94	18.92	20.3
15	256QAM	1	37	18.81	18.85	18.86	
15	256QAM	1	74	18.84	18.87	18.84	
15	256QAM	36	0	18.85	18.83	18.79	20.3
15	256QAM	36	20	18.75	18.77	18.71	



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15	256QAM	36	39	18.82	18.78	18.78	
15	256QAM	75	0	18.72	18.72	18.81	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.98	21.03	21.00	21.9
10	QPSK	1	25	20.92	20.97	20.95	
10	QPSK	1	49	20.87	20.91	20.85	
10	QPSK	25	0	20.95	21.00	20.98	21.9
10	QPSK	25	12	20.90	20.99	20.97	
10	QPSK	25	25	20.78	20.89	20.85	
10	QPSK	50	0	20.99	20.91	20.93	
10	16QAM	1	0	21.01	21.13	21.04	21.9
10	16QAM	1	25	20.93	21.05	20.98	
10	16QAM	1	49	21.07	21.07	21.02	21.9
10	16QAM	25	0	21.03	20.99	20.88	
10	16QAM	25	12	20.91	20.95	20.86	
10	16QAM	25	25	20.91	21.00	20.97	
10	16QAM	50	0	20.91	21.04	20.89	
10	64QAM	1	0	21.08	21.08	20.98	21.9
10	64QAM	1	25	21.00	21.06	20.95	
10	64QAM	1	49	20.92	20.94	20.92	
10	64QAM	25	0	20.95	21.02	20.90	21.9
10	64QAM	25	12	20.90	20.94	20.95	
10	64QAM	25	25	20.92	20.99	20.92	
10	64QAM	50	0	20.82	20.90	20.85	
10	256QAM	1	0	18.92	18.99	18.98	
10	256QAM	1	25	18.88	18.90	18.77	20.3
10	256QAM	1	49	18.85	18.84	18.82	
10	256QAM	25	0	18.78	18.81	18.77	
10	256QAM	25	12	18.74	18.82	18.69	20.3
10	256QAM	25	25	18.80	18.78	18.76	
10	256QAM	50	0	18.65	18.77	18.73	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.94	21.00	21.04	21.9
5	QPSK	1	12	20.87	20.99	20.89	
5	QPSK	1	24	20.88	20.99	20.83	
5	QPSK	12	0	20.98	20.98	20.95	21.9
5	QPSK	12	7	20.97	20.93	20.98	
5	QPSK	12	13	20.82	20.82	20.84	
5	QPSK	25	0	20.98	20.95	20.97	
5	16QAM	1	0	21.04	21.09	21.03	21.9
5	16QAM	1	12	20.88	21.04	20.91	
5	16QAM	1	24	21.01	21.11	21.07	
5	16QAM	12	0	21.07	20.98	20.94	21.9
5	16QAM	12	7	20.99	20.96	20.91	
5	16QAM	12	13	20.88	21.02	21.03	
5	16QAM	25	0	20.95	20.98	20.95	
5	64QAM	1	0	21.05	21.03	20.99	21.9
5	64QAM	1	12	20.97	21.05	20.95	
5	64QAM	1	24	20.90	21.03	20.94	
5	64QAM	12	0	20.92	20.97	20.95	21.9
5	64QAM	12	7	20.88	20.95	20.98	
5	64QAM	12	13	20.94	21.00	20.93	
5	64QAM	25	0	20.87	20.87	20.80	
5	256QAM	1	0	19.00	18.98	18.95	20.3
5	256QAM	1	12	18.90	18.86	18.83	
5	256QAM	1	24	18.84	18.87	18.86	
5	256QAM	12	0	18.75	18.85	18.77	20.3
5	256QAM	12	7	18.78	18.76	18.73	
5	256QAM	12	13	18.81	18.81	18.78	
5	256QAM	25	0	18.72	18.76	18.77	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)	
3	QPSK	1	0	20.94	21.00	21.06	21.9	
3	QPSK	1	8	20.94	20.97	20.89		
3	QPSK	1	14	20.84	20.95	20.90		
3	QPSK	8	0	20.95	20.98	20.96	21.9	
3	QPSK	8	4	20.93	20.92	20.96		
3	QPSK	8	7	20.85	20.87	20.81		
3	QPSK	15	0	20.92	20.92	20.98	21.9	
3	16QAM	1	0	21.03	21.07	21.06		
3	16QAM	1	8	20.89	21.02	21.00		
3	16QAM	1	14	21.04	21.15	21.05	21.9	
3	16QAM	8	0	21.04	21.04	20.90		
3	16QAM	8	4	20.99	21.01	20.88		
3	16QAM	8	7	20.97	21.02	20.96	21.9	
3	16QAM	15	0	20.92	21.04	20.94		
3	64QAM	1	0	21.01	21.02	21.04		
3	64QAM	1	8	21.05	20.98	20.99	21.9	
3	64QAM	1	14	20.94	20.94	20.85		
3	64QAM	8	0	20.90	21.00	20.94		
3	64QAM	8	4	20.89	20.98	20.95	21.9	
3	64QAM	8	7	20.90	20.99	20.91		
3	64QAM	15	0	20.87	20.86	20.82		
3	256QAM	1	0	18.99	18.97	18.99	20.3	
3	256QAM	1	8	18.82	18.90	18.83		
3	256QAM	1	14	18.85	18.85	18.87		
3	256QAM	8	0	18.78	18.88	18.73	20.3	
3	256QAM	8	4	18.82	18.82	18.74		
3	256QAM	8	7	18.76	18.81	18.79		
3	256QAM	15	0	18.67	18.79	18.81	20.3	
Channel				18607	18900	19193		Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.99	20.97	21.07	21.9	
1.4	QPSK	1	3	20.93	20.93	20.92		
1.4	QPSK	1	5	20.93	20.93	20.88		
1.4	QPSK	3	0	20.90	20.93	20.99	21.9	
1.4	QPSK	3	1	20.93	20.90	20.92		
1.4	QPSK	3	3	20.84	20.90	20.85		
1.4	QPSK	6	0	20.97	20.95	21.00	21.9	
1.4	16QAM	1	0	20.99	21.08	21.03		
1.4	16QAM	1	3	20.89	21.07	21.00		
1.4	16QAM	1	5	21.09	21.15	21.07	21.9	
1.4	16QAM	3	0	20.99	21.02	20.88		
1.4	16QAM	3	1	20.96	20.93	20.88		
1.4	16QAM	3	3	20.98	21.07	20.93	21.9	
1.4	16QAM	6	0	20.94	21.03	20.93		
1.4	64QAM	1	0	21.03	21.08	21.05		
1.4	64QAM	1	3	21.04	21.01	20.93	21.9	
1.4	64QAM	1	5	20.94	21.02	20.89		
1.4	64QAM	3	0	20.93	21.00	20.90		
1.4	64QAM	3	1	20.93	20.97	20.92	21.9	
1.4	64QAM	3	3	20.95	20.92	20.93		
1.4	64QAM	6	0	20.85	20.93	20.85		
1.4	256QAM	1	0	18.98	19.02	18.92	20.3	
1.4	256QAM	1	3	18.82	18.88	18.85		
1.4	256QAM	1	5	18.79	18.86	18.87		
1.4	256QAM	3	0	18.85	18.87	18.74	20.3	
1.4	256QAM	3	1	18.83	18.80	18.78		
1.4	256QAM	3	3	18.82	18.87	18.83		
1.4	256QAM	6	0	18.65	18.77	18.78	20.3	



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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	20.99	21.05	21.07	21.2
20	QPSK	1	49	20.94	21.02	20.96	
20	QPSK	1	99	20.93	21.01	20.92	
20	QPSK	50	0	21.00	21.02	21.03	21.2
20	QPSK	50	24	20.98	21.00	21.00	
20	QPSK	50	50	20.88	20.90	20.88	
20	QPSK	100	0	21.00	20.96	21.03	21.2
20	16QAM	1	0	21.08	21.16	21.07	
20	16QAM	1	49	20.98	21.08	21.00	
20	16QAM	1	99	21.11	21.15	21.10	21.2
20	16QAM	50	0	21.07	21.08	20.98	
20	16QAM	50	24	20.99	21.03	20.95	
20	16QAM	50	50	20.98	21.08	21.03	21.2
20	16QAM	100	0	20.96	21.05	20.99	
20	64QAM	1	0	21.08	21.11	21.07	
20	64QAM	1	49	21.06	21.06	20.99	21.2
20	64QAM	1	99	21.00	21.03	20.94	
20	64QAM	50	0	21.00	21.04	20.99	
20	64QAM	50	24	20.95	21.03	20.98	21.2
20	64QAM	50	50	20.97	21.00	20.99	
20	64QAM	100	0	20.89	20.94	20.87	
20	256QAM	1	0	19.00	19.03	19.02	20.3
20	256QAM	1	49	18.90	18.95	18.86	
20	256QAM	1	99	18.89	18.94	18.88	
20	256QAM	50	0	18.85	18.88	18.81	20.3
20	256QAM	50	24	18.84	18.86	18.79	
20	256QAM	50	50	18.82	18.88	18.83	
20	256QAM	100	0	18.75	18.82	18.82	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.92	21.02	21.03	21.2
15	QPSK	1	37	20.90	20.95	20.88	
15	QPSK	1	74	20.90	20.94	20.92	
15	QPSK	36	0	20.98	20.99	20.98	21.2
15	QPSK	36	20	20.89	21.00	20.91	
15	QPSK	36	39	20.87	20.87	20.78	
15	QPSK	75	0	20.90	20.90	21.02	21.2
15	16QAM	1	0	21.00	21.10	21.03	
15	16QAM	1	37	20.91	20.98	20.96	
15	16QAM	1	74	21.01	21.08	21.04	21.2
15	16QAM	36	0	21.07	21.04	20.95	
15	16QAM	36	20	20.99	21.01	20.93	
15	16QAM	36	39	20.97	21.02	20.97	21.2
15	16QAM	75	0	20.89	20.97	20.96	
15	64QAM	1	0	20.99	21.02	21.06	
15	64QAM	1	37	20.97	21.06	20.98	21.2
15	64QAM	1	74	20.99	20.95	20.84	
15	64QAM	36	0	20.91	20.96	20.90	
15	64QAM	36	20	20.86	21.00	20.88	21.2
15	64QAM	36	39	20.91	20.99	20.89	
15	64QAM	75	0	20.79	20.88	20.78	
15	256QAM	1	0	18.98	18.94	18.92	20.3
15	256QAM	1	37	18.81	18.85	18.86	
15	256QAM	1	74	18.84	18.87	18.84	
15	256QAM	36	0	18.85	18.83	18.79	20.3
15	256QAM	36	20	18.75	18.77	18.71	



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15	256QAM	36	39	18.82	18.78	18.78	
15	256QAM	75	0	18.72	18.72	18.81	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.98	21.03	21.00	21.2
10	QPSK	1	25	20.92	20.97	20.95	
10	QPSK	1	49	20.87	20.91	20.85	
10	QPSK	25	0	20.95	21.00	20.98	21.2
10	QPSK	25	12	20.90	20.99	20.97	
10	QPSK	25	25	20.78	20.89	20.85	
10	QPSK	50	0	20.99	20.91	20.93	
10	16QAM	1	0	21.01	21.13	21.04	21.2
10	16QAM	1	25	20.93	21.05	20.98	
10	16QAM	1	49	21.07	21.07	21.02	21.2
10	16QAM	25	0	21.03	20.99	20.88	
10	16QAM	25	12	20.91	20.95	20.86	
10	16QAM	25	25	20.91	21.00	20.97	
10	16QAM	50	0	20.91	21.04	20.89	
10	64QAM	1	0	21.08	21.08	20.98	21.2
10	64QAM	1	25	21.00	21.06	20.95	
10	64QAM	1	49	20.92	20.94	20.92	
10	64QAM	25	0	20.95	21.02	20.90	21.2
10	64QAM	25	12	20.90	20.94	20.95	
10	64QAM	25	25	20.92	20.99	20.92	
10	64QAM	50	0	20.82	20.90	20.85	
10	256QAM	1	0	18.92	18.99	18.98	
10	256QAM	1	25	18.88	18.90	18.77	20.3
10	256QAM	1	49	18.85	18.84	18.82	
10	256QAM	25	0	18.78	18.81	18.77	
10	256QAM	25	12	18.74	18.82	18.69	20.3
10	256QAM	25	25	18.80	18.78	18.76	
10	256QAM	50	0	18.65	18.77	18.73	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.94	21.00	21.04	21.2
5	QPSK	1	12	20.87	20.99	20.89	
5	QPSK	1	24	20.88	20.99	20.83	
5	QPSK	12	0	20.98	20.98	20.95	21.2
5	QPSK	12	7	20.97	20.93	20.98	
5	QPSK	12	13	20.82	20.82	20.84	
5	QPSK	25	0	20.98	20.95	20.97	
5	16QAM	1	0	21.04	21.09	21.03	21.2
5	16QAM	1	12	20.88	21.04	20.91	
5	16QAM	1	24	21.01	21.11	21.07	
5	16QAM	12	0	21.07	20.98	20.94	21.2
5	16QAM	12	7	20.99	20.96	20.91	
5	16QAM	12	13	20.88	21.02	21.03	
5	16QAM	25	0	20.95	20.98	20.95	
5	64QAM	1	0	21.05	21.03	20.99	21.2
5	64QAM	1	12	20.97	21.05	20.95	
5	64QAM	1	24	20.90	21.03	20.94	
5	64QAM	12	0	20.92	20.97	20.95	21.2
5	64QAM	12	7	20.88	20.95	20.98	
5	64QAM	12	13	20.94	21.00	20.93	
5	64QAM	25	0	20.87	20.87	20.80	
5	256QAM	1	0	19.00	18.98	18.95	20.3
5	256QAM	1	12	18.90	18.86	18.83	
5	256QAM	1	24	18.84	18.87	18.86	
5	256QAM	12	0	18.75	18.85	18.77	20.3
5	256QAM	12	7	18.78	18.76	18.73	
5	256QAM	12	13	18.81	18.81	18.78	
5	256QAM	25	0	18.72	18.76	18.77	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)	
3	QPSK	1	0	20.94	21.00	21.06	21.2	
3	QPSK	1	8	20.94	20.97	20.89		
3	QPSK	1	14	20.84	20.95	20.90		
3	QPSK	8	0	20.95	20.98	20.96	21.2	
3	QPSK	8	4	20.93	20.92	20.96		
3	QPSK	8	7	20.85	20.87	20.81		
3	QPSK	15	0	20.92	20.92	20.98	21.2	
3	16QAM	1	0	21.03	21.07	21.06		
3	16QAM	1	8	20.89	21.02	21.00		
3	16QAM	1	14	21.04	21.15	21.05	21.2	
3	16QAM	8	0	21.04	21.04	20.90		
3	16QAM	8	4	20.99	21.01	20.88		
3	16QAM	8	7	20.97	21.02	20.96	21.2	
3	16QAM	15	0	20.92	21.04	20.94		
3	64QAM	1	0	21.01	21.02	21.04		
3	64QAM	1	8	21.05	20.98	20.99	21.2	
3	64QAM	1	14	20.94	20.94	20.85		
3	64QAM	8	0	20.90	21.00	20.94		
3	64QAM	8	4	20.89	20.98	20.95	21.2	
3	64QAM	8	7	20.90	20.99	20.91		
3	64QAM	15	0	20.87	20.86	20.82		
3	256QAM	1	0	18.99	18.97	18.99	20.3	
3	256QAM	1	8	18.82	18.90	18.83		
3	256QAM	1	14	18.85	18.85	18.87		
3	256QAM	8	0	18.78	18.88	18.73	20.3	
3	256QAM	8	4	18.82	18.82	18.74		
3	256QAM	8	7	18.76	18.81	18.79		
3	256QAM	15	0	18.67	18.79	18.81	20.3	
Channel				18607	18900	19193		Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3		(dBm)
1.4	QPSK	1	0	20.99	20.97	21.07	21.2	
1.4	QPSK	1	3	20.93	20.93	20.92		
1.4	QPSK	1	5	20.93	20.93	20.88		
1.4	QPSK	3	0	20.90	20.93	20.99	21.2	
1.4	QPSK	3	1	20.93	20.90	20.92		
1.4	QPSK	3	3	20.84	20.90	20.85		
1.4	QPSK	6	0	20.97	20.95	21.00	21.2	
1.4	16QAM	1	0	20.99	21.08	21.03		
1.4	16QAM	1	3	20.89	21.07	21.00		
1.4	16QAM	1	5	21.09	21.15	21.07	21.2	
1.4	16QAM	3	0	20.99	21.02	20.88		
1.4	16QAM	3	1	20.96	20.93	20.88		
1.4	16QAM	3	3	20.98	21.07	20.93	21.2	
1.4	16QAM	6	0	20.94	21.03	20.93		
1.4	64QAM	1	0	21.03	21.08	21.05		
1.4	64QAM	1	3	21.04	21.01	20.93	21.2	
1.4	64QAM	1	5	20.94	21.02	20.89		
1.4	64QAM	3	0	20.93	21.00	20.90		
1.4	64QAM	3	1	20.93	20.97	20.92	21.2	
1.4	64QAM	3	3	20.95	20.92	20.93		
1.4	64QAM	6	0	20.85	20.93	20.85		
1.4	256QAM	1	0	18.98	19.02	18.92	20.3	
1.4	256QAM	1	3	18.82	18.88	18.85		
1.4	256QAM	1	5	18.79	18.86	18.87		
1.4	256QAM	3	0	18.85	18.87	18.74	20.3	
1.4	256QAM	3	1	18.83	18.80	18.78		
1.4	256QAM	3	3	18.82	18.87	18.83		
1.4	256QAM	6	0	18.65	18.77	18.78	20.3	



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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	24.19	24.20	24.16	25.3
20	QPSK	1	49	24.12	24.17	24.13	
20	QPSK	1	99	24.18	24.02	23.81	
20	QPSK	50	0	23.27	23.20	23.18	24.3
20	QPSK	50	24	23.24	23.19	23.13	
20	QPSK	50	50	23.25	23.19	23.08	
20	QPSK	100	0	23.21	23.19	23.13	24.3
20	16QAM	1	0	23.25	23.27	23.38	
20	16QAM	1	49	23.43	23.36	23.25	
20	16QAM	1	99	23.48	23.33	23.08	23.3
20	16QAM	50	0	22.11	22.11	22.14	
20	16QAM	50	24	22.19	22.11	22.09	
20	16QAM	50	50	22.22	22.10	22.00	23.3
20	16QAM	100	0	22.16	22.12	22.06	
20	64QAM	1	0	22.21	22.14	22.29	
20	64QAM	1	49	22.26	22.25	22.30	23.3
20	64QAM	1	99	22.24	22.22	22.08	
20	64QAM	50	0	21.17	21.16	21.18	
20	64QAM	50	24	21.23	21.19	21.14	22.3
20	64QAM	50	50	21.25	21.17	21.03	
20	64QAM	100	0	21.20	21.14	21.09	
20	256QAM	1	0	19.23	19.12	19.23	20.3
20	256QAM	1	49	19.26	19.17	19.13	
20	256QAM	1	99	19.44	19.28	19.23	
20	256QAM	50	0	19.17	19.11	19.16	20.3
20	256QAM	50	24	19.25	19.18	19.16	
20	256QAM	50	50	19.33	19.22	18.97	
20	256QAM	100	0	19.21	19.21	19.05	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.16	23.76	24.08	25.3
15	QPSK	1	37	24.15	24.17	24.16	
15	QPSK	1	74	24.08	24.15	23.92	
15	QPSK	36	0	23.21	23.06	23.16	24.3
15	QPSK	36	20	23.26	23.16	23.09	
15	QPSK	36	39	23.25	23.19	23.07	
15	QPSK	75	0	23.28	23.23	23.15	24.3
15	16QAM	1	0	23.36	23.28	23.51	
15	16QAM	1	37	23.50	23.19	23.39	
15	16QAM	1	74	23.50	23.24	23.03	23.3
15	16QAM	36	0	22.19	22.11	22.14	
15	16QAM	36	20	22.23	22.11	22.09	
15	16QAM	36	39	22.27	22.13	22.05	23.3
15	16QAM	75	0	22.25	22.20	22.13	
15	64QAM	1	0	22.24	22.18	22.31	
15	64QAM	1	37	22.28	22.16	22.29	23.3
15	64QAM	1	74	22.18	22.13	22.07	
15	64QAM	36	0	21.24	21.14	21.17	
15	64QAM	36	20	21.26	21.17	21.10	22.3
15	64QAM	36	39	21.28	21.18	21.04	
15	64QAM	75	0	21.23	21.15	21.15	
15	256QAM	1	0	19.21	19.05	19.17	20.3
15	256QAM	1	37	19.23	19.15	19.05	
15	256QAM	1	74	19.41	19.22	19.19	
15	256QAM	36	0	19.15	19.10	19.08	20.3
15	256QAM	36	20	19.19	19.18	19.11	
15	256QAM	36	39	19.24	19.15	18.94	



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15	256QAM	75	0	19.15	19.17	18.96	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.19	23.89	24.11	25.3
10	QPSK	1	25	24.11	24.10	24.11	
10	QPSK	1	49	24.17	24.04	24.02	
10	QPSK	25	0	23.33	23.18	23.26	24.3
10	QPSK	25	12	23.37	23.26	23.21	
10	QPSK	25	25	23.37	23.29	23.22	
10	QPSK	50	0	23.35	23.29	23.20	
10	16QAM	1	0	23.37	23.29	23.55	24.3
10	16QAM	1	25	23.44	23.21	23.41	
10	16QAM	1	49	23.58	23.39	23.23	
10	16QAM	25	0	22.28	22.27	22.28	23.3
10	16QAM	25	12	22.32	22.25	22.22	
10	16QAM	25	25	22.36	22.25	22.18	
10	16QAM	50	0	22.31	22.22	22.12	
10	64QAM	1	0	22.31	22.19	22.35	23.3
10	64QAM	1	25	22.28	22.02	22.13	
10	64QAM	1	49	22.28	22.23	22.14	
10	64QAM	25	0	21.31	21.28	21.27	22.3
10	64QAM	25	12	21.28	21.31	21.23	
10	64QAM	25	25	21.32	21.31	21.16	
10	64QAM	50	0	21.34	21.28	21.23	
10	256QAM	1	0	19.15	19.11	19.14	20.3
10	256QAM	1	25	19.19	19.10	19.09	
10	256QAM	1	49	19.43	19.25	19.14	
10	256QAM	25	0	19.14	19.11	19.07	20.3
10	256QAM	25	12	19.25	19.08	19.06	
10	256QAM	25	25	19.23	19.14	18.90	
10	256QAM	50	0	19.16	19.20	19.02	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.14	23.80	24.13	25.3
5	QPSK	1	12	24.14	24.16	24.14	
5	QPSK	1	24	24.14	24.17	24.09	
5	QPSK	12	0	23.38	23.22	23.23	24.3
5	QPSK	12	7	23.41	23.31	23.22	
5	QPSK	12	13	23.41	23.37	23.27	
5	QPSK	25	0	23.41	23.38	23.26	
5	16QAM	1	0	23.51	23.50	23.62	24.3
5	16QAM	1	12	23.50	23.31	23.43	
5	16QAM	1	24	23.66	23.49	23.30	
5	16QAM	12	0	22.35	22.25	22.28	23.3
5	16QAM	12	7	22.36	22.25	22.22	
5	16QAM	12	13	22.38	22.26	22.19	
5	16QAM	25	0	22.39	22.34	22.21	
5	64QAM	1	0	22.47	22.22	22.35	23.3
5	64QAM	1	12	22.49	22.16	22.23	
5	64QAM	1	24	22.35	22.24	22.19	
5	64QAM	12	0	21.38	21.27	21.23	22.3
5	64QAM	12	7	21.35	21.27	21.16	
5	64QAM	12	13	21.36	21.28	21.13	
5	64QAM	25	0	21.39	21.35	21.26	
5	256QAM	1	0	19.23	19.08	19.14	20.3
5	256QAM	1	12	19.20	19.11	19.05	
5	256QAM	1	24	19.34	19.27	19.17	
5	256QAM	12	0	19.14	19.09	19.12	20.3
5	256QAM	12	7	19.21	19.11	19.12	
5	256QAM	12	13	19.29	19.14	18.93	
5	256QAM	25	0	19.13	19.11	18.97	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	24.16	23.83	24.12	25.3
3	QPSK	1	8	24.14	24.13	24.15	
3	QPSK	1	14	24.12	24.16	24.08	
3	QPSK	8	0	23.36	23.21	23.20	24.3
3	QPSK	8	4	23.40	23.28	23.18	
3	QPSK	8	7	23.35	23.33	23.24	
3	QPSK	15	0	23.37	23.32	23.21	24.3
3	16QAM	1	0	23.47	23.44	23.51	
3	16QAM	1	8	23.50	23.23	23.38	
3	16QAM	1	14	23.68	23.48	23.32	23.3
3	16QAM	8	0	22.32	22.20	22.21	
3	16QAM	8	4	22.35	22.23	22.20	
3	16QAM	8	7	22.34	22.21	22.18	23.3
3	16QAM	15	0	22.36	22.24	22.19	
3	64QAM	1	0	22.38	22.18	22.25	
3	64QAM	1	8	22.28	22.09	22.09	22.3
3	64QAM	1	14	22.31	22.29	22.20	
3	64QAM	8	0	21.36	21.21	21.19	
3	64QAM	8	4	21.33	21.24	21.15	20.3
3	64QAM	8	7	21.40	21.25	21.15	
3	64QAM	15	0	21.39	21.23	21.19	
3	256QAM	1	0	19.22	19.10	19.13	20.3
3	256QAM	1	8	19.21	19.10	19.05	
3	256QAM	1	14	19.34	19.24	19.18	
3	256QAM	8	0	19.12	19.11	19.10	20.3
3	256QAM	8	4	19.21	19.16	19.08	
3	256QAM	8	7	19.26	19.17	18.97	
3	256QAM	15	0	19.11	19.20	19.01	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.11	24.11	24.05	25.3
1.4	QPSK	1	3	24.03	24.04	23.90	
1.4	QPSK	1	5	24.13	24.13	24.02	
1.4	QPSK	3	0	24.03	24.02	23.95	
1.4	QPSK	3	1	24.05	24.09	23.97	
1.4	QPSK	3	3	24.04	24.07	23.96	24.3
1.4	QPSK	6	0	23.08	23.09	23.04	
1.4	16QAM	1	0	23.43	23.35	23.27	
1.4	16QAM	1	3	23.35	23.29	23.21	24.3
1.4	16QAM	1	5	23.38	23.38	23.32	
1.4	16QAM	3	0	23.13	23.15	23.03	
1.4	16QAM	3	1	23.20	23.17	23.01	
1.4	16QAM	3	3	23.16	23.12	23.00	
1.4	16QAM	6	0	22.10	22.10	21.95	23.3
1.4	64QAM	1	0	22.29	22.25	22.06	23.3
1.4	64QAM	1	3	22.21	22.24	22.07	
1.4	64QAM	1	5	22.32	22.21	22.11	
1.4	64QAM	3	0	22.18	22.12	22.06	
1.4	64QAM	3	1	22.14	22.11	22.02	
1.4	64QAM	3	3	22.17	22.12	22.03	22.3
1.4	64QAM	6	0	21.04	21.04	20.98	
1.4	256QAM	1	0	19.16	19.09	19.14	
1.4	256QAM	1	3	19.23	19.11	19.12	20.3
1.4	256QAM	1	5	19.35	19.23	19.16	
1.4	256QAM	3	0	19.11	19.04	19.07	
1.4	256QAM	3	1	19.23	19.12	19.14	
1.4	256QAM	3	3	19.23	19.14	18.93	
1.4	256QAM	6	0	19.18	19.15	19.04	20.3



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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	17.64	17.62	17.79	18.8
20	QPSK	1	49	17.76	17.45	17.71	
20	QPSK	1	99	17.79	17.29	17.50	
20	QPSK	50	0	17.73	17.44	17.85	18.8
20	QPSK	50	24	17.80	17.48	17.82	
20	QPSK	50	50	17.85	17.46	17.70	
20	QPSK	100	0	17.81	17.47	17.79	18.8
20	16QAM	1	0	17.76	17.63	17.92	
20	16QAM	1	49	17.90	17.72	17.93	
20	16QAM	1	99	17.86	17.54	17.71	18.8
20	16QAM	50	0	17.74	17.43	17.80	
20	16QAM	50	24	17.80	17.68	17.76	
20	16QAM	50	50	17.84	17.76	17.66	18.8
20	16QAM	100	0	17.77	17.76	17.75	
20	64QAM	1	0	17.85	17.87	18.01	
20	64QAM	1	49	17.81	17.89	17.94	18.8
20	64QAM	1	99	17.90	17.83	17.83	
20	64QAM	50	0	17.78	17.76	17.79	
20	64QAM	50	24	17.84	17.78	17.76	18.8
20	64QAM	50	50	17.84	17.78	17.68	
20	64QAM	100	0	17.78	17.76	17.74	
20	256QAM	1	0	17.58	17.57	17.65	18.8
20	256QAM	1	49	17.60	17.79	17.72	
20	256QAM	1	99	17.38	17.53	17.43	
20	256QAM	50	0	17.58	17.58	17.50	18.8
20	256QAM	50	24	17.43	17.62	17.45	
20	256QAM	50	50	17.56	17.48	17.55	
20	256QAM	100	0	17.50	17.64	17.66	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	17.63	17.56	17.78	18.8
15	QPSK	1	37	17.67	17.43	17.69	
15	QPSK	1	74	17.78	17.24	17.45	
15	QPSK	36	0	17.66	17.41	17.85	18.8
15	QPSK	36	20	17.72	17.45	17.79	
15	QPSK	36	39	17.77	17.39	17.63	
15	QPSK	75	0	17.81	17.44	17.74	18.8
15	16QAM	1	0	17.73	17.53	17.83	
15	16QAM	1	37	17.85	17.63	17.93	
15	16QAM	1	74	17.86	17.53	17.62	18.8
15	16QAM	36	0	17.64	17.37	17.73	
15	16QAM	36	20	17.79	17.59	17.70	
15	16QAM	36	39	17.75	17.74	17.61	18.8
15	16QAM	75	0	17.69	17.73	17.65	
15	64QAM	1	0	17.76	17.77	17.95	
15	64QAM	1	37	17.76	17.83	17.85	18.8
15	64QAM	1	74	17.82	17.76	17.74	
15	64QAM	36	0	17.77	17.73	17.71	
15	64QAM	36	20	17.77	17.76	17.67	18.8
15	64QAM	36	39	17.76	17.72	17.68	
15	64QAM	75	0	17.73	17.74	17.68	
15	256QAM	1	0	17.58	17.47	17.60	18.8
15	256QAM	1	37	17.60	17.76	17.68	
15	256QAM	1	74	17.28	17.50	17.36	
15	256QAM	36	0	17.58	17.48	17.44	18.8
15	256QAM	36	20	17.37	17.56	17.39	
15	256QAM	36	39	17.47	17.39	17.53	



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15	256QAM	75	0	17.43	17.64	17.56	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	17.60	17.61	17.75	18.8
10	QPSK	1	25	17.71	17.38	17.66	
10	QPSK	1	49	17.75	17.23	17.40	
10	QPSK	25	0	17.68	17.41	17.85	18.8
10	QPSK	25	12	17.70	17.41	17.74	
10	QPSK	25	25	17.78	17.45	17.66	
10	QPSK	50	0	17.71	17.41	17.74	
10	16QAM	1	0	17.72	17.56	17.92	18.8
10	16QAM	1	25	17.90	17.66	17.90	
10	16QAM	1	49	17.82	17.54	17.68	
10	16QAM	25	0	17.72	17.38	17.74	18.8
10	16QAM	25	12	17.71	17.58	17.72	
10	16QAM	25	25	17.77	17.66	17.63	
10	16QAM	50	0	17.70	17.70	17.66	
10	64QAM	1	0	17.79	17.83	17.99	18.8
10	64QAM	1	25	17.80	17.82	17.90	
10	64QAM	1	49	17.82	17.75	17.73	
10	64QAM	25	0	17.72	17.68	17.74	18.8
10	64QAM	25	12	17.80	17.68	17.69	
10	64QAM	25	25	17.79	17.77	17.66	
10	64QAM	50	0	17.68	17.75	17.70	
10	256QAM	1	0	17.56	17.56	17.62	18.8
10	256QAM	1	25	17.60	17.75	17.66	
10	256QAM	1	49	17.35	17.47	17.37	
10	256QAM	25	0	17.55	17.51	17.40	18.8
10	256QAM	25	12	17.37	17.53	17.42	
10	256QAM	25	25	17.53	17.45	17.47	
10	256QAM	50	0	17.50	17.64	17.62	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	17.61	17.55	17.73	18.8
5	QPSK	1	12	17.72	17.44	17.63	
5	QPSK	1	24	17.72	17.29	17.47	
5	QPSK	12	0	17.70	17.38	17.78	18.8
5	QPSK	12	7	17.78	17.40	17.78	
5	QPSK	12	13	17.84	17.36	17.66	
5	QPSK	25	0	17.81	17.40	17.73	
5	16QAM	1	0	17.70	17.55	17.89	18.8
5	16QAM	1	12	17.80	17.69	17.93	
5	16QAM	1	24	17.85	17.45	17.71	
5	16QAM	12	0	17.73	17.41	17.72	18.8
5	16QAM	12	7	17.73	17.64	17.69	
5	16QAM	12	13	17.76	17.70	17.64	
5	16QAM	25	0	17.75	17.76	17.70	
5	64QAM	1	0	17.84	17.84	17.95	18.8
5	64QAM	1	12	17.78	17.79	17.88	
5	64QAM	1	24	17.83	17.79	17.74	
5	64QAM	12	0	17.71	17.73	17.71	18.8
5	64QAM	12	7	17.80	17.71	17.76	
5	64QAM	12	13	17.84	17.70	17.64	
5	64QAM	25	0	17.76	17.66	17.64	
5	256QAM	1	0	17.52	17.55	17.55	18.8
5	256QAM	1	12	17.58	17.77	17.67	
5	256QAM	1	24	17.36	17.44	17.40	
5	256QAM	12	0	17.51	17.55	17.47	18.8
5	256QAM	12	7	17.36	17.57	17.36	
5	256QAM	12	13	17.56	17.48	17.53	
5	256QAM	25	0	17.40	17.54	17.65	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	17.58	17.53	17.76	18.8	
3	QPSK	1	8	17.75	17.36	17.64		
3	QPSK	1	14	17.79	17.22	17.40		
3	QPSK	8	0	17.63	17.38	17.85	18.8	
3	QPSK	8	4	17.77	17.42	17.82		
3	QPSK	8	7	17.77	17.39	17.62		
3	QPSK	15	0	17.73	17.41	17.79	18.8	
3	16QAM	1	0	17.67	17.60	17.88		
3	16QAM	1	8	17.81	17.72	17.92		
3	16QAM	1	14	17.86	17.54	17.67	18.8	
3	16QAM	8	0	17.71	17.33	17.80		
3	16QAM	8	4	17.71	17.68	17.75		
3	16QAM	8	7	17.83	17.72	17.60	18.8	
3	16QAM	15	0	17.73	17.66	17.73		
3	64QAM	1	0	17.83	17.78	18.00		
3	64QAM	1	8	17.77	17.88	17.84	18.8	
3	64QAM	1	14	17.88	17.80	17.75		
3	64QAM	8	0	17.77	17.73	17.69		
3	64QAM	8	4	17.75	17.78	17.67	18.8	
3	64QAM	8	7	17.79	17.78	17.68		
3	64QAM	15	0	17.73	17.74	17.67		
3	256QAM	1	0	17.49	17.47	17.60	18.8	
3	256QAM	1	8	17.60	17.72	17.70		
3	256QAM	1	14	17.36	17.43	17.38		
3	256QAM	8	0	17.53	17.51	17.47	18.8	
3	256QAM	8	4	17.40	17.55	17.41		
3	256QAM	8	7	17.56	17.46	17.51		
3	256QAM	15	0	17.41	17.63	17.64	18.8	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	17.61	17.53	17.71	18.8	
1.4	QPSK	1	3	17.74	17.36	17.65		
1.4	QPSK	1	5	17.76	17.19	17.45		
1.4	QPSK	3	0	17.73	17.40	17.76	18.8	
1.4	QPSK	3	1	17.77	17.39	17.73		
1.4	QPSK	3	3	17.77	17.41	17.70		
1.4	QPSK	6	0	17.80	17.39	17.75	18.8	
1.4	16QAM	1	0	17.75	17.54	17.86		
1.4	16QAM	1	3	17.88	17.70	17.91		
1.4	16QAM	1	5	17.86	17.50	17.62	18.8	
1.4	16QAM	3	0	17.68	17.40	17.72		
1.4	16QAM	3	1	17.75	17.58	17.69		
1.4	16QAM	3	3	17.76	17.75	17.57	18.8	
1.4	16QAM	6	0	17.77	17.69	17.69		
1.4	64QAM	1	0	17.82	17.79	17.97		
1.4	64QAM	1	3	17.76	17.87	17.87	18.8	
1.4	64QAM	1	5	17.83	17.75	17.77		
1.4	64QAM	3	0	17.70	17.68	17.77		
1.4	64QAM	3	1	17.83	17.72	17.76	18.8	
1.4	64QAM	3	3	17.78	17.73	17.67		
1.4	64QAM	6	0	17.78	17.73	17.65		
1.4	256QAM	1	0	17.53	17.49	17.64	18.8	
1.4	256QAM	1	3	17.51	17.76	17.69		
1.4	256QAM	1	5	17.28	17.47	17.38		
1.4	256QAM	3	0	17.48	17.48	17.40	18.8	
1.4	256QAM	3	1	17.39	17.55	17.37		
1.4	256QAM	3	3	17.52	17.43	17.49		
1.4	256QAM	6	0	17.42	17.55	17.65	18.8	



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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	19.52	19.60	19.62	21.5
20	QPSK	1	49	19.59	19.56	19.60	
20	QPSK	1	99	19.70	19.52	19.60	
20	QPSK	50	0	19.68	19.75	19.82	21.5
20	QPSK	50	24	19.76	19.78	19.77	
20	QPSK	50	50	19.81	19.82	19.71	
20	QPSK	100	0	19.78	19.76	19.79	21.5
20	16QAM	1	0	19.83	19.87	19.89	
20	16QAM	1	49	19.90	19.86	19.76	
20	16QAM	1	99	19.91	19.75	19.65	21.5
20	16QAM	50	0	19.67	19.76	19.74	
20	16QAM	50	24	19.73	19.74	19.74	
20	16QAM	50	50	19.82	19.71	19.66	21.5
20	16QAM	100	0	19.71	19.75	19.67	
20	64QAM	1	0	19.76	19.81	19.79	
20	64QAM	1	49	19.94	19.85	19.81	21.5
20	64QAM	1	99	19.92	19.77	19.58	
20	64QAM	50	0	19.70	19.73	19.75	
20	64QAM	50	24	19.78	19.75	19.72	21.5
20	64QAM	50	50	19.84	19.77	19.61	
20	64QAM	100	0	19.74	19.71	19.67	
20	256QAM	1	0	19.17	19.12	19.19	20
20	256QAM	1	49	19.19	19.12	19.07	
20	256QAM	1	99	19.40	19.28	19.15	
20	256QAM	50	0	19.17	19.02	19.10	20
20	256QAM	50	24	19.22	19.13	19.09	
20	256QAM	50	50	19.33	19.21	18.92	
20	256QAM	100	0	19.11	19.15	18.95	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.51	19.57	19.60	21.5
15	QPSK	1	37	19.51	19.55	19.54	
15	QPSK	1	74	19.63	19.58	19.50	
15	QPSK	36	0	19.59	19.74	19.81	21.5
15	QPSK	36	20	19.71	19.75	19.70	
15	QPSK	36	39	19.81	19.77	19.64	
15	QPSK	75	0	19.77	19.68	19.79	21.5
15	16QAM	1	0	19.74	19.81	19.79	
15	16QAM	1	37	19.84	19.84	19.76	
15	16QAM	1	74	19.87	19.75	19.65	21.5
15	16QAM	36	0	19.62	19.66	19.73	
15	16QAM	36	20	19.66	19.66	19.64	
15	16QAM	36	39	19.77	19.64	19.63	21.5
15	16QAM	75	0	19.67	19.70	19.63	
15	64QAM	1	0	19.66	19.79	19.72	
15	64QAM	1	37	19.84	19.83	19.79	21.5
15	64QAM	1	74	19.91	19.71	19.51	
15	64QAM	36	0	19.65	19.71	19.75	
15	64QAM	36	20	19.70	19.73	19.72	21.5
15	64QAM	36	39	19.78	19.73	19.60	
15	64QAM	75	0	19.69	19.65	19.59	
15	256QAM	1	0	19.17	19.09	19.19	20
15	256QAM	1	37	19.11	19.08	18.98	
15	256QAM	1	74	19.31	19.23	19.12	
15	256QAM	36	0	19.08	18.98	19.00	20
15	256QAM	36	20	19.19	19.06	19.07	
15	256QAM	36	39	19.30	19.15	18.89	



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15	256QAM	75	0	19.01	19.13	18.88	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	19.56	19.51	19.62	21.5
10	QPSK	1	25	19.55	19.57	19.53	
10	QPSK	1	49	19.64	19.59	19.58	
10	QPSK	25	0	19.66	19.68	19.79	21.5
10	QPSK	25	12	19.76	19.72	19.77	
10	QPSK	25	25	19.72	19.75	19.70	
10	QPSK	50	0	19.78	19.68	19.71	
10	16QAM	1	0	19.74	19.86	19.80	21.5
10	16QAM	1	25	19.89	19.85	19.71	
10	16QAM	1	49	19.81	19.69	19.60	
10	16QAM	25	0	19.57	19.68	19.74	21.5
10	16QAM	25	12	19.69	19.67	19.70	
10	16QAM	25	25	19.81	19.70	19.58	
10	16QAM	50	0	19.70	19.72	19.63	
10	64QAM	1	0	19.72	19.78	19.78	21.5
10	64QAM	1	25	19.90	19.79	19.78	
10	64QAM	1	49	19.90	19.72	19.58	
10	64QAM	25	0	19.69	19.63	19.72	21.5
10	64QAM	25	12	19.69	19.67	19.70	
10	64QAM	25	25	19.80	19.73	19.55	
10	64QAM	50	0	19.65	19.63	19.60	
10	256QAM	1	0	19.14	19.03	19.15	20
10	256QAM	1	25	19.09	19.09	18.99	
10	256QAM	1	49	19.31	19.22	19.05	
10	256QAM	25	0	19.11	19.02	19.09	20
10	256QAM	25	12	19.14	19.03	19.06	
10	256QAM	25	25	19.27	19.18	18.86	
10	256QAM	50	0	19.06	19.05	18.91	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	19.52	19.54	19.54	21.5
5	QPSK	1	12	19.59	19.61	19.59	
5	QPSK	1	24	19.69	19.59	19.58	
5	QPSK	12	0	19.62	19.67	19.79	21.5
5	QPSK	12	7	19.72	19.77	19.74	
5	QPSK	12	13	19.79	19.75	19.64	
5	QPSK	25	0	19.73	19.68	19.75	
5	16QAM	1	0	19.74	19.85	19.85	21.5
5	16QAM	1	12	19.86	19.81	19.67	
5	16QAM	1	24	19.81	19.71	19.65	
5	16QAM	12	0	19.57	19.71	19.67	21.5
5	16QAM	12	7	19.65	19.73	19.67	
5	16QAM	12	13	19.81	19.63	19.60	
5	16QAM	25	0	19.64	19.70	19.61	
5	64QAM	1	0	19.68	19.77	19.70	21.5
5	64QAM	1	12	19.90	19.82	19.72	
5	64QAM	1	24	19.82	19.72	19.56	
5	64QAM	12	0	19.69	19.63	19.71	21.5
5	64QAM	12	7	19.68	19.74	19.69	
5	64QAM	12	13	19.80	19.67	19.55	
5	64QAM	25	0	19.64	19.69	19.57	
5	256QAM	1	0	19.14	19.07	19.10	20
5	256QAM	1	12	19.14	19.04	18.98	
5	256QAM	1	24	19.33	19.23	19.05	
5	256QAM	12	0	19.13	18.97	19.05	20
5	256QAM	12	7	19.21	19.12	19.00	
5	256QAM	12	13	19.25	19.21	18.88	
5	256QAM	25	0	19.01	19.11	18.93	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	19.53	19.59	19.56	21.5	
3	QPSK	1	8	19.58	19.61	19.58		
3	QPSK	1	14	19.64	19.59	19.59		
3	QPSK	8	0	19.61	19.74	19.78	21.5	
3	QPSK	8	4	19.68	19.78	19.74		
3	QPSK	8	7	19.71	19.78	19.65		
3	QPSK	15	0	19.78	19.73	19.73	21.5	
3	16QAM	1	0	19.80	19.79	19.85		
3	16QAM	1	8	19.87	19.76	19.75		
3	16QAM	1	14	19.81	19.68	19.59	21.5	
3	16QAM	8	0	19.62	19.74	19.69		
3	16QAM	8	4	19.66	19.73	19.66		
3	16QAM	8	7	19.74	19.62	19.56	21.5	
3	16QAM	15	0	19.61	19.71	19.63		
3	64QAM	1	0	19.71	19.78	19.79		
3	64QAM	1	8	19.88	19.78	19.81	21.5	
3	64QAM	1	14	19.87	19.74	19.51		
3	64QAM	8	0	19.69	19.70	19.69		
3	64QAM	8	4	19.71	19.66	19.69	21.5	
3	64QAM	8	7	19.79	19.74	19.51		
3	64QAM	15	0	19.73	19.65	19.60		
3	256QAM	1	0	19.10	19.11	19.15	20	
3	256QAM	1	8	19.18	19.06	18.99		
3	256QAM	1	14	19.31	19.24	19.07		
3	256QAM	8	0	19.09	18.99	19.04	20	
3	256QAM	8	4	19.19	19.10	19.04		
3	256QAM	8	7	19.25	19.13	18.91		
3	256QAM	15	0	19.06	19.09	18.85	20	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.58	19.54	19.60	21.5	
1.4	QPSK	1	3	19.50	19.53	19.57		
1.4	QPSK	1	5	19.68	19.62	19.57		
1.4	QPSK	3	0	19.60	19.73	19.77	21.5	
1.4	QPSK	3	1	19.68	19.77	19.70		
1.4	QPSK	3	3	19.79	19.75	19.71		
1.4	QPSK	6	0	19.77	19.68	19.72	21.5	
1.4	16QAM	1	0	19.83	19.77	19.79		
1.4	16QAM	1	3	19.83	19.84	19.67		
1.4	16QAM	1	5	19.82	19.74	19.57	21.5	
1.4	16QAM	3	0	19.64	19.69	19.73		
1.4	16QAM	3	1	19.69	19.73	19.70		
1.4	16QAM	3	3	19.82	19.66	19.61	21.5	
1.4	16QAM	6	0	19.71	19.65	19.67		
1.4	64QAM	1	0	19.75	19.73	19.76		
1.4	64QAM	1	3	19.88	19.76	19.78	21.5	
1.4	64QAM	1	5	19.88	19.75	19.54		
1.4	64QAM	3	0	19.61	19.64	19.72		
1.4	64QAM	3	1	19.69	19.73	19.64	21.5	
1.4	64QAM	3	3	19.84	19.68	19.55		
1.4	64QAM	6	0	19.64	19.66	19.57		
1.4	256QAM	1	0	19.08	19.07	19.13	20	
1.4	256QAM	1	3	19.12	19.06	19.05		
1.4	256QAM	1	5	19.39	19.19	19.09		
1.4	256QAM	3	0	19.10	18.94	19.00	20	
1.4	256QAM	3	1	19.14	19.08	19.05		
1.4	256QAM	3	3	19.25	19.14	18.87		
1.4	256QAM	6	0	19.02	19.05	18.89	20	



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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	19.52	19.60	19.62	20.8
20	QPSK	1	49	19.59	19.56	19.60	
20	QPSK	1	99	19.70	19.52	19.60	
20	QPSK	50	0	19.68	19.75	19.82	20.8
20	QPSK	50	24	19.76	19.78	19.77	
20	QPSK	50	50	19.81	19.82	19.71	
20	QPSK	100	0	19.78	19.76	19.79	20.8
20	16QAM	1	0	19.83	19.87	19.89	
20	16QAM	1	49	19.90	19.86	19.76	
20	16QAM	1	99	19.91	19.75	19.65	20.8
20	16QAM	50	0	19.67	19.76	19.74	
20	16QAM	50	24	19.73	19.74	19.74	
20	16QAM	50	50	19.82	19.71	19.66	20.8
20	16QAM	100	0	19.71	19.75	19.67	
20	64QAM	1	0	19.76	19.81	19.79	
20	64QAM	1	49	19.94	19.85	19.81	20.8
20	64QAM	1	99	19.92	19.77	19.58	
20	64QAM	50	0	19.70	19.73	19.75	
20	64QAM	50	24	19.78	19.75	19.72	20.8
20	64QAM	50	50	19.84	19.77	19.61	
20	64QAM	100	0	19.74	19.71	19.67	
20	256QAM	1	0	19.17	19.12	19.19	20.3
20	256QAM	1	49	19.19	19.12	19.07	
20	256QAM	1	99	19.40	19.28	19.15	
20	256QAM	50	0	19.17	19.02	19.10	20.3
20	256QAM	50	24	19.22	19.13	19.09	
20	256QAM	50	50	19.33	19.21	18.92	
20	256QAM	100	0	19.11	19.15	18.95	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.51	19.57	19.60	20.8
15	QPSK	1	37	19.51	19.55	19.54	
15	QPSK	1	74	19.63	19.58	19.50	
15	QPSK	36	0	19.59	19.74	19.81	20.8
15	QPSK	36	20	19.71	19.75	19.70	
15	QPSK	36	39	19.81	19.77	19.64	
15	QPSK	75	0	19.77	19.68	19.79	20.8
15	16QAM	1	0	19.74	19.81	19.79	
15	16QAM	1	37	19.84	19.84	19.76	
15	16QAM	1	74	19.87	19.75	19.65	20.8
15	16QAM	36	0	19.62	19.66	19.73	
15	16QAM	36	20	19.66	19.66	19.64	
15	16QAM	36	39	19.77	19.64	19.63	20.8
15	16QAM	75	0	19.67	19.70	19.63	
15	64QAM	1	0	19.66	19.79	19.72	
15	64QAM	1	37	19.84	19.83	19.79	20.8
15	64QAM	1	74	19.91	19.71	19.51	
15	64QAM	36	0	19.65	19.71	19.75	
15	64QAM	36	20	19.70	19.73	19.72	20.8
15	64QAM	36	39	19.78	19.73	19.60	
15	64QAM	75	0	19.69	19.65	19.59	
15	256QAM	1	0	19.17	19.09	19.19	20.3
15	256QAM	1	37	19.11	19.08	18.98	
15	256QAM	1	74	19.31	19.23	19.12	
15	256QAM	36	0	19.08	18.98	19.00	20.3
15	256QAM	36	20	19.19	19.06	19.07	
15	256QAM	36	39	19.30	19.15	18.89	



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Report No. : FA2D0208-01F

15	256QAM	75	0	19.01	19.13	18.88	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	19.56	19.51	19.62	20.8
10	QPSK	1	25	19.55	19.57	19.53	
10	QPSK	1	49	19.64	19.59	19.58	
10	QPSK	25	0	19.66	19.68	19.79	20.8
10	QPSK	25	12	19.76	19.72	19.77	
10	QPSK	25	25	19.72	19.75	19.70	
10	QPSK	50	0	19.78	19.68	19.71	
10	16QAM	1	0	19.74	19.86	19.80	20.8
10	16QAM	1	25	19.89	19.85	19.71	
10	16QAM	1	49	19.81	19.69	19.60	
10	16QAM	25	0	19.57	19.68	19.74	20.8
10	16QAM	25	12	19.69	19.67	19.70	
10	16QAM	25	25	19.81	19.70	19.58	
10	16QAM	50	0	19.70	19.72	19.63	
10	64QAM	1	0	19.72	19.78	19.78	20.8
10	64QAM	1	25	19.90	19.79	19.78	
10	64QAM	1	49	19.90	19.72	19.58	
10	64QAM	25	0	19.69	19.63	19.72	20.8
10	64QAM	25	12	19.69	19.67	19.70	
10	64QAM	25	25	19.80	19.73	19.55	
10	64QAM	50	0	19.65	19.63	19.60	
10	256QAM	1	0	19.14	19.03	19.15	20.3
10	256QAM	1	25	19.09	19.09	18.99	
10	256QAM	1	49	19.31	19.22	19.05	
10	256QAM	25	0	19.11	19.02	19.09	20.3
10	256QAM	25	12	19.14	19.03	19.06	
10	256QAM	25	25	19.27	19.18	18.86	
10	256QAM	50	0	19.06	19.05	18.91	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	19.52	19.54	19.54	20.8
5	QPSK	1	12	19.59	19.61	19.59	
5	QPSK	1	24	19.69	19.59	19.58	
5	QPSK	12	0	19.62	19.67	19.79	20.8
5	QPSK	12	7	19.72	19.77	19.74	
5	QPSK	12	13	19.79	19.75	19.64	
5	QPSK	25	0	19.73	19.68	19.75	
5	16QAM	1	0	19.74	19.85	19.85	20.8
5	16QAM	1	12	19.86	19.81	19.67	
5	16QAM	1	24	19.81	19.71	19.65	
5	16QAM	12	0	19.57	19.71	19.67	20.8
5	16QAM	12	7	19.65	19.73	19.67	
5	16QAM	12	13	19.81	19.63	19.60	
5	16QAM	25	0	19.64	19.70	19.61	
5	64QAM	1	0	19.68	19.77	19.70	20.8
5	64QAM	1	12	19.90	19.82	19.72	
5	64QAM	1	24	19.82	19.72	19.56	
5	64QAM	12	0	19.69	19.63	19.71	20.8
5	64QAM	12	7	19.68	19.74	19.69	
5	64QAM	12	13	19.80	19.67	19.55	
5	64QAM	25	0	19.64	19.69	19.57	
5	256QAM	1	0	19.14	19.07	19.10	20.3
5	256QAM	1	12	19.14	19.04	18.98	
5	256QAM	1	24	19.33	19.23	19.05	
5	256QAM	12	0	19.13	18.97	19.05	20.3
5	256QAM	12	7	19.21	19.12	19.00	
5	256QAM	12	13	19.25	19.21	18.88	
5	256QAM	25	0	19.01	19.11	18.93	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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Report No. : FA2D0208-01F

3	QPSK	1	0	19.53	19.59	19.56	20.8
3	QPSK	1	8	19.58	19.61	19.58	
3	QPSK	1	14	19.64	19.59	19.59	
3	QPSK	8	0	19.61	19.74	19.78	20.8
3	QPSK	8	4	19.68	19.78	19.74	
3	QPSK	8	7	19.71	19.78	19.65	
3	QPSK	15	0	19.78	19.73	19.73	20.8
3	16QAM	1	0	19.80	19.79	19.85	
3	16QAM	1	8	19.87	19.76	19.75	
3	16QAM	1	14	19.81	19.68	19.59	20.8
3	16QAM	8	0	19.62	19.74	19.69	
3	16QAM	8	4	19.66	19.73	19.66	
3	16QAM	8	7	19.74	19.62	19.56	20.8
3	16QAM	15	0	19.61	19.71	19.63	
3	64QAM	1	0	19.71	19.78	19.79	
3	64QAM	1	8	19.88	19.78	19.81	20.8
3	64QAM	1	14	19.87	19.74	19.51	
3	64QAM	8	0	19.69	19.70	19.69	
3	64QAM	8	4	19.71	19.66	19.69	20.8
3	64QAM	8	7	19.79	19.74	19.51	
3	64QAM	15	0	19.73	19.65	19.60	
3	256QAM	1	0	19.10	19.11	19.15	20.3
3	256QAM	1	8	19.18	19.06	18.99	
3	256QAM	1	14	19.31	19.24	19.07	
3	256QAM	8	0	19.09	18.99	19.04	20.3
3	256QAM	8	4	19.19	19.10	19.04	
3	256QAM	8	7	19.25	19.13	18.91	
3	256QAM	15	0	19.06	19.09	18.85	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.58	19.54	19.60	20.8
1.4	QPSK	1	3	19.50	19.53	19.57	
1.4	QPSK	1	5	19.68	19.62	19.57	
1.4	QPSK	3	0	19.60	19.73	19.77	20.8
1.4	QPSK	3	1	19.68	19.77	19.70	
1.4	QPSK	3	3	19.79	19.75	19.71	
1.4	QPSK	6	0	19.77	19.68	19.72	20.8
1.4	16QAM	1	0	19.83	19.77	19.79	
1.4	16QAM	1	3	19.83	19.84	19.67	
1.4	16QAM	1	5	19.82	19.74	19.57	20.8
1.4	16QAM	3	0	19.64	19.69	19.73	
1.4	16QAM	3	1	19.69	19.73	19.70	
1.4	16QAM	3	3	19.82	19.66	19.61	20.8
1.4	16QAM	6	0	19.71	19.65	19.67	
1.4	64QAM	1	0	19.75	19.73	19.76	
1.4	64QAM	1	3	19.88	19.76	19.78	20.8
1.4	64QAM	1	5	19.88	19.75	19.54	
1.4	64QAM	3	0	19.61	19.64	19.72	
1.4	64QAM	3	1	19.69	19.73	19.64	20.8
1.4	64QAM	3	3	19.84	19.68	19.55	
1.4	64QAM	6	0	19.64	19.66	19.57	
1.4	256QAM	1	0	19.08	19.07	19.13	20.3
1.4	256QAM	1	3	19.12	19.06	19.05	
1.4	256QAM	1	5	19.39	19.19	19.09	
1.4	256QAM	3	0	19.10	18.94	19.00	20.3
1.4	256QAM	3	1	19.14	19.08	19.05	
1.4	256QAM	3	3	19.25	19.14	18.87	
1.4	256QAM	6	0	19.02	19.05	18.89	20.3



<LTE Band 4_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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.19	18.22	18.23	19.2
20	QPSK	1	49	18.15	18.19	18.17	
20	QPSK	1	99	18.10	18.10	18.17	
20	QPSK	50	0	18.24	18.31	18.30	19.2
20	QPSK	50	24	18.12	18.25	18.23	
20	QPSK	50	50	18.14	18.28	18.24	
20	QPSK	100	0	18.17	18.28	18.21	19.2
20	16QAM	1	0	18.18	18.20	18.24	
20	16QAM	1	49	18.07	18.23	18.24	
20	16QAM	1	99	18.10	18.06	18.02	19.2
20	16QAM	50	0	18.19	18.24	18.25	
20	16QAM	50	24	18.14	18.14	18.14	
20	16QAM	50	50	18.12	18.14	18.15	19.2
20	16QAM	100	0	18.22	18.16	18.10	
20	64QAM	1	0	18.16	18.16	18.29	
20	64QAM	1	49	18.17	18.10	18.23	19.2
20	64QAM	1	99	18.10	18.06	18.11	
20	64QAM	50	0	18.22	18.20	18.16	
20	64QAM	50	24	18.14	18.25	18.12	19.2
20	64QAM	50	50	18.15	18.14	18.21	
20	64QAM	100	0	18.13	18.15	18.18	
20	256QAM	1	0	18.17	18.23	18.16	19.2
20	256QAM	1	49	18.14	18.24	18.11	
20	256QAM	1	99	18.06	18.02	18.09	
20	256QAM	50	0	18.19	18.26	18.17	19.2
20	256QAM	50	24	18.08	18.23	18.15	
20	256QAM	50	50	18.17	18.18	18.11	
20	256QAM	100	0	18.18	18.17	18.07	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.18	18.28	18.21	19.2
15	QPSK	1	37	18.13	18.27	18.20	
15	QPSK	1	74	18.14	18.12	18.11	
15	QPSK	36	0	18.17	18.25	18.28	19.2
15	QPSK	36	20	18.14	18.25	18.23	
15	QPSK	36	39	18.17	18.22	18.21	
15	QPSK	75	0	18.21	18.26	18.25	19.2
15	16QAM	1	0	18.16	18.18	18.21	
15	16QAM	1	37	18.13	18.19	18.22	
15	16QAM	1	74	18.04	18.01	18.07	19.2
15	16QAM	36	0	18.18	18.24	18.24	
15	16QAM	36	20	18.15	18.15	18.09	
15	16QAM	36	39	18.10	18.21	18.11	19.2
15	16QAM	75	0	18.22	18.23	18.10	
15	64QAM	1	0	18.09	18.15	18.21	
15	64QAM	1	37	18.12	18.19	18.22	19.2
15	64QAM	1	74	18.05	18.04	18.07	
15	64QAM	36	0	18.23	18.16	18.18	
15	64QAM	36	20	18.08	18.21	18.09	19.2
15	64QAM	36	39	18.19	18.15	18.21	
15	64QAM	75	0	18.15	18.25	18.14	
15	256QAM	1	0	18.08	18.25	18.16	19.2
15	256QAM	1	37	18.20	18.22	18.15	
15	256QAM	1	74	17.99	18.03	18.11	
15	256QAM	36	0	18.15	18.26	18.20	19.2
15	256QAM	36	20	18.04	18.22	18.17	
15	256QAM	36	39	18.14	18.24	18.14	



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15	256QAM	75	0	18.12	18.22	18.14	Tune-up limit (dBm)
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.13	18.25	18.24	19.2
10	QPSK	1	25	18.15	18.20	18.27	
10	QPSK	1	49	18.15	18.13	18.11	
10	QPSK	25	0	18.15	18.23	18.22	19.2
10	QPSK	25	12	18.20	18.21	18.15	
10	QPSK	25	25	18.12	18.24	18.19	
10	QPSK	50	0	18.20	18.30	18.24	
10	16QAM	1	0	18.18	18.23	18.25	
10	16QAM	1	25	18.07	18.22	18.23	19.2
10	16QAM	1	49	18.08	18.02	18.01	
10	16QAM	25	0	18.17	18.26	18.30	
10	16QAM	25	12	18.10	18.17	18.09	19.2
10	16QAM	25	25	18.13	18.22	18.10	
10	16QAM	50	0	18.15	18.14	18.10	
10	64QAM	1	0	18.11	18.22	18.21	
10	64QAM	1	25	18.13	18.18	18.14	
10	64QAM	1	49	18.10	18.05	18.14	19.2
10	64QAM	25	0	18.13	18.23	18.19	
10	64QAM	25	12	18.13	18.26	18.12	
10	64QAM	25	25	18.12	18.14	18.22	
10	64QAM	50	0	18.09	18.15	18.19	
10	256QAM	1	0	18.18	18.17	18.17	19.2
10	256QAM	1	25	18.16	18.20	18.13	
10	256QAM	1	49	18.08	18.09	18.03	
10	256QAM	25	0	18.16	18.21	18.17	19.2
10	256QAM	25	12	18.07	18.27	18.10	
10	256QAM	25	25	18.17	18.20	18.08	
10	256QAM	50	0	18.12	18.27	18.08	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.17	18.23	18.24	19.2
5	QPSK	1	12	18.22	18.19	18.22	
5	QPSK	1	24	18.13	18.16	18.18	
5	QPSK	12	0	18.20	18.22	18.25	19.2
5	QPSK	12	7	18.20	18.30	18.16	
5	QPSK	12	13	18.22	18.26	18.22	
5	QPSK	25	0	18.15	18.21	18.27	
5	16QAM	1	0	18.18	18.13	18.19	
5	16QAM	1	12	18.11	18.18	18.23	19.2
5	16QAM	1	24	18.02	18.10	18.10	
5	16QAM	12	0	18.22	18.28	18.22	
5	16QAM	12	7	18.15	18.20	18.11	19.2
5	16QAM	12	13	18.15	18.22	18.10	
5	16QAM	25	0	18.22	18.22	18.11	
5	64QAM	1	0	18.14	18.16	18.27	
5	64QAM	1	12	18.17	18.11	18.15	
5	64QAM	1	24	18.06	18.01	18.07	19.2
5	64QAM	12	0	18.20	18.16	18.18	
5	64QAM	12	7	18.09	18.27	18.09	
5	64QAM	12	13	18.15	18.19	18.18	
5	64QAM	25	0	18.09	18.19	18.18	
5	256QAM	1	0	18.10	18.20	18.16	19.2
5	256QAM	1	12	18.12	18.16	18.16	
5	256QAM	1	24	18.02	18.02	18.04	
5	256QAM	12	0	18.22	18.22	18.22	19.2
5	256QAM	12	7	18.13	18.30	18.10	
5	256QAM	12	13	18.17	18.22	18.13	
5	256QAM	25	0	18.12	18.26	18.12	
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	18.22	18.22	18.26	19.2	
3	QPSK	1	8	18.22	18.17	18.24		
3	QPSK	1	14	18.10	18.13	18.17		
3	QPSK	8	0	18.17	18.28	18.26	19.2	
3	QPSK	8	4	18.22	18.28	18.23		
3	QPSK	8	7	18.19	18.30	18.22		
3	QPSK	15	0	18.16	18.23	18.26	19.2	
3	16QAM	1	0	18.13	18.22	18.27		
3	16QAM	1	8	18.06	18.15	18.16		
3	16QAM	1	14	18.12	18.02	18.03	19.2	
3	16QAM	8	0	18.15	18.23	18.20		
3	16QAM	8	4	18.17	18.21	18.09		
3	16QAM	8	7	18.08	18.17	18.14	19.2	
3	16QAM	15	0	18.14	18.20	18.17		
3	64QAM	1	0	18.11	18.13	18.28		
3	64QAM	1	8	18.12	18.15	18.13	19.2	
3	64QAM	1	14	18.12	18.01	18.13		
3	64QAM	8	0	18.22	18.21	18.16		
3	64QAM	8	4	18.07	18.29	18.17	19.2	
3	64QAM	8	7	18.12	18.20	18.16		
3	64QAM	15	0	18.13	18.23	18.21		
3	256QAM	1	0	18.10	18.20	18.14	19.2	
3	256QAM	1	8	18.11	18.15	18.08		
3	256QAM	1	14	17.98	18.05	18.06		
3	256QAM	8	0	18.19	18.18	18.24	19.2	
3	256QAM	8	4	18.12	18.26	18.09		
3	256QAM	8	7	18.13	18.16	18.16		
3	256QAM	15	0	18.14	18.18	18.07	19.2	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.23	18.27	18.27	19.2	
1.4	QPSK	1	3	18.19	18.27	18.21		
1.4	QPSK	1	5	18.06	18.15	18.17		
1.4	QPSK	3	0	18.23	18.24	18.24	19.2	
1.4	QPSK	3	1	18.21	18.24	18.19		
1.4	QPSK	3	3	18.17	18.21	18.24		
1.4	QPSK	6	0	18.19	18.23	18.17	19.2	
1.4	16QAM	1	0	18.17	18.21	18.21		
1.4	16QAM	1	3	18.09	18.25	18.18		
1.4	16QAM	1	5	18.06	18.05	18.08	19.2	
1.4	16QAM	3	0	18.18	18.29	18.30		
1.4	16QAM	3	1	18.10	18.17	18.07		
1.4	16QAM	3	3	18.11	18.16	18.13	19.2	
1.4	16QAM	6	0	18.23	18.21	18.08		
1.4	64QAM	1	0	18.19	18.17	18.19		
1.4	64QAM	1	3	18.16	18.13	18.20	19.2	
1.4	64QAM	1	5	18.05	18.03	18.13		
1.4	64QAM	3	0	18.18	18.17	18.14		
1.4	64QAM	3	1	18.10	18.25	18.14	19.2	
1.4	64QAM	3	3	18.09	18.13	18.19		
1.4	64QAM	6	0	18.16	18.19	18.18		
1.4	256QAM	1	0	18.09	18.19	18.18	19.2	
1.4	256QAM	1	3	18.17	18.16	18.17		
1.4	256QAM	1	5	18.08	18.07	18.07		
1.4	256QAM	3	0	18.15	18.21	18.24	19.2	
1.4	256QAM	3	1	18.09	18.30	18.12		
1.4	256QAM	3	3	18.16	18.25	18.16		
1.4	256QAM	6	0	18.17	18.26	18.12	19.2	



<LTE Band 4_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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.19	18.22	18.23	18.5
20	QPSK	1	49	18.15	18.19	18.17	
20	QPSK	1	99	18.10	18.10	18.17	
20	QPSK	50	0	18.24	18.31	18.30	18.5
20	QPSK	50	24	18.12	18.25	18.23	
20	QPSK	50	50	18.14	18.28	18.24	
20	QPSK	100	0	18.17	18.28	18.21	18.5
20	16QAM	1	0	18.18	18.20	18.24	
20	16QAM	1	49	18.07	18.23	18.24	
20	16QAM	1	99	18.10	18.06	18.02	18.5
20	16QAM	50	0	18.19	18.24	18.25	
20	16QAM	50	24	18.14	18.14	18.14	
20	16QAM	50	50	18.12	18.14	18.15	18.5
20	16QAM	100	0	18.22	18.16	18.10	
20	64QAM	1	0	18.16	18.16	18.29	
20	64QAM	1	49	18.17	18.10	18.23	18.5
20	64QAM	1	99	18.10	18.06	18.11	
20	64QAM	50	0	18.22	18.20	18.16	
20	64QAM	50	24	18.14	18.25	18.12	18.5
20	64QAM	50	50	18.15	18.14	18.21	
20	64QAM	100	0	18.13	18.15	18.18	
20	256QAM	1	0	18.17	18.23	18.16	18.5
20	256QAM	1	49	18.14	18.24	18.11	
20	256QAM	1	99	18.06	18.02	18.09	
20	256QAM	50	0	18.19	18.26	18.17	18.5
20	256QAM	50	24	18.08	18.23	18.15	
20	256QAM	50	50	18.17	18.18	18.11	
20	256QAM	100	0	18.18	18.17	18.07	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.18	18.28	18.21	18.5
15	QPSK	1	37	18.13	18.27	18.20	
15	QPSK	1	74	18.14	18.12	18.11	
15	QPSK	36	0	18.17	18.25	18.28	18.5
15	QPSK	36	20	18.14	18.25	18.23	
15	QPSK	36	39	18.17	18.22	18.21	
15	QPSK	75	0	18.21	18.26	18.25	18.5
15	16QAM	1	0	18.16	18.18	18.21	
15	16QAM	1	37	18.13	18.19	18.22	
15	16QAM	1	74	18.04	18.01	18.07	18.5
15	16QAM	36	0	18.18	18.24	18.24	
15	16QAM	36	20	18.15	18.15	18.09	
15	16QAM	36	39	18.10	18.21	18.11	18.5
15	16QAM	75	0	18.22	18.23	18.10	
15	64QAM	1	0	18.09	18.15	18.21	
15	64QAM	1	37	18.12	18.19	18.22	18.5
15	64QAM	1	74	18.05	18.04	18.07	
15	64QAM	36	0	18.23	18.16	18.18	
15	64QAM	36	20	18.08	18.21	18.09	18.5
15	64QAM	36	39	18.19	18.15	18.21	
15	64QAM	75	0	18.15	18.25	18.14	
15	256QAM	1	0	18.08	18.25	18.16	18.5
15	256QAM	1	37	18.20	18.22	18.15	
15	256QAM	1	74	17.99	18.03	18.11	
15	256QAM	36	0	18.15	18.26	18.20	18.5
15	256QAM	36	20	18.04	18.22	18.17	
15	256QAM	36	39	18.14	18.24	18.14	



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15	256QAM	75	0	18.12	18.22	18.14	Tune-up limit (dBm)
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.13	18.25	18.24	18.5
10	QPSK	1	25	18.15	18.20	18.27	
10	QPSK	1	49	18.15	18.13	18.11	
10	QPSK	25	0	18.15	18.23	18.22	18.5
10	QPSK	25	12	18.20	18.21	18.15	
10	QPSK	25	25	18.12	18.24	18.19	
10	QPSK	50	0	18.20	18.30	18.24	
10	16QAM	1	0	18.18	18.23	18.25	
10	16QAM	1	25	18.07	18.22	18.23	18.5
10	16QAM	1	49	18.08	18.02	18.01	
10	16QAM	25	0	18.17	18.26	18.30	
10	16QAM	25	12	18.10	18.17	18.09	18.5
10	16QAM	25	25	18.13	18.22	18.10	
10	16QAM	50	0	18.15	18.14	18.10	
10	64QAM	1	0	18.11	18.22	18.21	
10	64QAM	1	25	18.13	18.18	18.14	
10	64QAM	1	49	18.10	18.05	18.14	18.5
10	64QAM	25	0	18.13	18.23	18.19	
10	64QAM	25	12	18.13	18.26	18.12	
10	64QAM	25	25	18.12	18.14	18.22	
10	64QAM	50	0	18.09	18.15	18.19	
10	256QAM	1	0	18.18	18.17	18.17	18.5
10	256QAM	1	25	18.16	18.20	18.13	
10	256QAM	1	49	18.08	18.09	18.03	
10	256QAM	25	0	18.16	18.21	18.17	18.5
10	256QAM	25	12	18.07	18.27	18.10	
10	256QAM	25	25	18.17	18.20	18.08	
10	256QAM	50	0	18.12	18.27	18.08	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.17	18.23	18.24	18.5
5	QPSK	1	12	18.22	18.19	18.22	
5	QPSK	1	24	18.13	18.16	18.18	
5	QPSK	12	0	18.20	18.22	18.25	18.5
5	QPSK	12	7	18.20	18.30	18.16	
5	QPSK	12	13	18.22	18.26	18.22	
5	QPSK	25	0	18.15	18.21	18.27	
5	16QAM	1	0	18.18	18.13	18.19	
5	16QAM	1	12	18.11	18.18	18.23	18.5
5	16QAM	1	24	18.02	18.10	18.10	
5	16QAM	12	0	18.22	18.28	18.22	
5	16QAM	12	7	18.15	18.20	18.11	18.5
5	16QAM	12	13	18.15	18.22	18.10	
5	16QAM	25	0	18.22	18.22	18.11	
5	64QAM	1	0	18.14	18.16	18.27	
5	64QAM	1	12	18.17	18.11	18.15	
5	64QAM	1	24	18.06	18.01	18.07	18.5
5	64QAM	12	0	18.20	18.16	18.18	
5	64QAM	12	7	18.09	18.27	18.09	
5	64QAM	12	13	18.15	18.19	18.18	
5	64QAM	25	0	18.09	18.19	18.18	
5	256QAM	1	0	18.10	18.20	18.16	18.5
5	256QAM	1	12	18.12	18.16	18.16	
5	256QAM	1	24	18.02	18.02	18.04	
5	256QAM	12	0	18.22	18.22	18.22	18.5
5	256QAM	12	7	18.13	18.30	18.10	
5	256QAM	12	13	18.17	18.22	18.13	
5	256QAM	25	0	18.12	18.26	18.12	
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	18.22	18.22	18.26	18.5	
3	QPSK	1	8	18.22	18.17	18.24		
3	QPSK	1	14	18.10	18.13	18.17		
3	QPSK	8	0	18.17	18.28	18.26	18.5	
3	QPSK	8	4	18.22	18.28	18.23		
3	QPSK	8	7	18.19	18.30	18.22		
3	QPSK	15	0	18.16	18.23	18.26	18.5	
3	16QAM	1	0	18.13	18.22	18.27		
3	16QAM	1	8	18.06	18.15	18.16		
3	16QAM	1	14	18.12	18.02	18.03	18.5	
3	16QAM	8	0	18.15	18.23	18.20		
3	16QAM	8	4	18.17	18.21	18.09		
3	16QAM	8	7	18.08	18.17	18.14	18.5	
3	16QAM	15	0	18.14	18.20	18.17		
3	64QAM	1	0	18.11	18.13	18.28		
3	64QAM	1	8	18.12	18.15	18.13	18.5	
3	64QAM	1	14	18.12	18.01	18.13		
3	64QAM	8	0	18.22	18.21	18.16		
3	64QAM	8	4	18.07	18.29	18.17	18.5	
3	64QAM	8	7	18.12	18.20	18.16		
3	64QAM	15	0	18.13	18.23	18.21		
3	256QAM	1	0	18.10	18.20	18.14	18.5	
3	256QAM	1	8	18.11	18.15	18.08		
3	256QAM	1	14	17.98	18.05	18.06		
3	256QAM	8	0	18.19	18.18	18.24	18.5	
3	256QAM	8	4	18.12	18.26	18.09		
3	256QAM	8	7	18.13	18.16	18.16		
3	256QAM	15	0	18.14	18.18	18.07	18.5	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.23	18.27	18.27	18.5	
1.4	QPSK	1	3	18.19	18.27	18.21		
1.4	QPSK	1	5	18.06	18.15	18.17		
1.4	QPSK	3	0	18.23	18.24	18.24	18.5	
1.4	QPSK	3	1	18.21	18.24	18.19		
1.4	QPSK	3	3	18.17	18.21	18.24		
1.4	QPSK	6	0	18.19	18.23	18.17	18.5	
1.4	16QAM	1	0	18.17	18.21	18.21		
1.4	16QAM	1	3	18.09	18.25	18.18		
1.4	16QAM	1	5	18.06	18.05	18.08	18.5	
1.4	16QAM	3	0	18.18	18.29	18.30		
1.4	16QAM	3	1	18.10	18.17	18.07		
1.4	16QAM	3	3	18.11	18.16	18.13	18.5	
1.4	16QAM	6	0	18.23	18.21	18.08		
1.4	64QAM	1	0	18.19	18.17	18.19		
1.4	64QAM	1	3	18.16	18.13	18.20	18.5	
1.4	64QAM	1	5	18.05	18.03	18.13		
1.4	64QAM	3	0	18.18	18.17	18.14		
1.4	64QAM	3	1	18.10	18.25	18.14	18.5	
1.4	64QAM	3	3	18.09	18.13	18.19		
1.4	64QAM	6	0	18.16	18.19	18.18		
1.4	256QAM	1	0	18.09	18.19	18.18	18.5	
1.4	256QAM	1	3	18.17	18.16	18.17		
1.4	256QAM	1	5	18.08	18.07	18.07		
1.4	256QAM	3	0	18.15	18.21	18.24	18.5	
1.4	256QAM	3	1	18.09	18.30	18.12		
1.4	256QAM	3	3	18.16	18.25	18.16		
1.4	256QAM	6	0	18.17	18.26	18.12	18.5	



<LTE Band 4_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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	21.14	21.14	21.09	22.2
20	QPSK	1	49	20.96	21.14	21.15	
20	QPSK	1	99	20.95	21.07	21.02	
20	QPSK	50	0	21.14	21.17	21.15	22.2
20	QPSK	50	24	21.04	21.23	21.06	
20	QPSK	50	50	21.01	21.12	21.09	
20	QPSK	100	0	21.15	21.16	21.12	22.2
20	16QAM	1	0	20.96	20.98	21.15	
20	16QAM	1	49	20.91	21.01	20.96	
20	16QAM	1	99	20.94	20.95	20.90	22.2
20	16QAM	50	0	21.10	21.18	21.09	
20	16QAM	50	24	20.99	20.95	20.97	
20	16QAM	50	50	20.92	21.06	20.97	22.2
20	16QAM	100	0	21.06	21.10	20.93	
20	64QAM	1	0	21.06	21.09	21.08	
20	64QAM	1	49	21.05	21.00	21.03	22.2
20	64QAM	1	99	20.94	20.88	20.99	
20	64QAM	50	0	21.02	21.01	21.05	
20	64QAM	50	24	20.89	21.10	20.96	22.2
20	64QAM	50	50	21.06	21.06	20.98	
20	64QAM	100	0	20.92	21.07	21.05	
20	256QAM	1	0	19.88	19.99	19.89	20.5
20	256QAM	1	49	20.10	20.05	20.02	
20	256QAM	1	99	19.88	19.92	19.79	
20	256QAM	50	0	19.81	19.82	19.84	20.5
20	256QAM	50	24	19.67	19.77	19.79	
20	256QAM	50	50	19.72	19.78	19.80	
20	256QAM	100	0	19.73	19.88	19.82	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.12	21.14	21.08	22.2
15	QPSK	1	37	20.97	21.11	21.05	
15	QPSK	1	74	20.97	21.05	20.97	
15	QPSK	36	0	21.10	21.19	21.11	22.2
15	QPSK	36	20	21.00	21.15	21.07	
15	QPSK	36	39	21.10	21.20	21.12	
15	QPSK	75	0	21.18	21.14	21.12	22.2
15	16QAM	1	0	21.05	20.96	21.05	
15	16QAM	1	37	20.92	20.98	20.97	
15	16QAM	1	74	21.00	20.98	20.93	22.2
15	16QAM	36	0	21.07	21.19	21.14	
15	16QAM	36	20	20.98	21.03	21.00	
15	16QAM	36	39	20.92	21.06	20.90	22.2
15	16QAM	75	0	21.00	21.11	20.95	
15	64QAM	1	0	21.04	21.01	21.11	
15	64QAM	1	37	21.08	20.99	21.03	22.2
15	64QAM	1	74	20.90	20.88	20.99	
15	64QAM	36	0	21.01	20.96	20.98	
15	64QAM	36	20	20.90	21.17	20.90	22.2
15	64QAM	36	39	20.99	21.02	21.05	
15	64QAM	75	0	20.97	21.05	21.03	
15	256QAM	1	0	19.87	19.96	19.94	20.5
15	256QAM	1	37	20.12	20.08	20.02	
15	256QAM	1	74	19.83	19.96	19.85	
15	256QAM	36	0	19.73	19.83	19.82	20.5
15	256QAM	36	20	19.74	19.77	19.75	
15	256QAM	36	39	19.76	19.73	19.76	



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15	256QAM	75	0	19.66	19.82	19.85	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.10	21.09	21.08	22.2
10	QPSK	1	25	21.00	21.07	21.08	
10	QPSK	1	49	20.97	21.05	21.05	
10	QPSK	25	0	21.13	21.22	21.12	22.2
10	QPSK	25	12	21.02	21.20	21.00	
10	QPSK	25	25	21.08	21.11	21.14	
10	QPSK	50	0	21.18	21.19	21.16	22.2
10	16QAM	1	0	20.96	20.99	21.12	
10	16QAM	1	25	20.92	21.01	20.99	
10	16QAM	1	49	20.93	20.92	21.07	22.2
10	16QAM	25	0	21.05	21.11	21.17	
10	16QAM	25	12	20.99	20.99	21.00	
10	16QAM	25	25	20.92	21.02	20.95	22.2
10	16QAM	50	0	21.01	21.02	20.97	
10	64QAM	1	0	21.07	21.04	21.13	
10	64QAM	1	25	21.01	21.03	20.97	22.2
10	64QAM	1	49	20.94	20.90	20.98	
10	64QAM	25	0	21.05	21.05	21.04	
10	64QAM	25	12	20.91	21.12	20.99	22.2
10	64QAM	25	25	21.00	21.01	20.96	
10	64QAM	50	0	21.00	21.09	21.07	
10	256QAM	1	0	19.88	19.93	19.90	20.5
10	256QAM	1	25	20.06	20.01	20.09	
10	256QAM	1	49	19.88	19.96	19.81	
10	256QAM	25	0	19.76	19.87	19.75	20.5
10	256QAM	25	12	19.72	19.78	19.78	
10	256QAM	25	25	19.71	19.75	19.84	
10	256QAM	50	0	19.75	19.90	19.83	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.09	21.09	21.12	22.2
5	QPSK	1	12	21.02	21.08	21.09	
5	QPSK	1	24	20.99	20.97	21.02	
5	QPSK	12	0	21.17	21.22	21.13	22.2
5	QPSK	12	7	21.10	21.15	21.00	
5	QPSK	12	13	21.03	21.18	21.07	
5	QPSK	25	0	21.17	21.14	21.15	22.2
5	16QAM	1	0	21.00	20.93	21.14	
5	16QAM	1	12	20.93	20.98	21.02	
5	16QAM	1	24	20.91	20.96	21.02	22.2
5	16QAM	12	0	21.07	21.13	21.18	
5	16QAM	12	7	21.00	20.98	20.90	
5	16QAM	12	13	20.92	21.11	20.93	22.2
5	16QAM	25	0	21.05	21.10	20.94	
5	64QAM	1	0	21.06	21.08	21.13	
5	64QAM	1	12	20.99	21.00	21.03	22.2
5	64QAM	1	24	20.93	20.89	20.96	
5	64QAM	12	0	21.05	21.05	21.05	
5	64QAM	12	7	20.90	21.15	20.97	22.2
5	64QAM	12	13	21.03	21.02	20.99	
5	64QAM	25	0	20.98	21.10	21.05	
5	256QAM	1	0	19.85	19.91	19.93	20.5
5	256QAM	1	12	20.03	20.00	20.00	
5	256QAM	1	24	19.90	19.92	19.86	
5	256QAM	12	0	19.80	19.83	19.79	20.5
5	256QAM	12	7	19.74	19.73	19.74	
5	256QAM	12	13	19.75	19.81	19.75	
5	256QAM	25	0	19.71	19.89	19.86	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	21.07	21.13	21.13	22.2	
3	QPSK	1	8	20.99	21.11	21.12		
3	QPSK	1	14	20.97	20.99	20.95		
3	QPSK	8	0	21.11	21.18	21.09	22.2	
3	QPSK	8	4	21.06	21.19	21.04		
3	QPSK	8	7	21.05	21.14	21.08		
3	QPSK	15	0	21.20	21.19	21.15	22.2	
3	16QAM	1	0	21.06	20.96	21.06		
3	16QAM	1	8	20.90	21.02	20.99		
3	16QAM	1	14	20.99	20.91	21.05	22.2	
3	16QAM	8	0	21.03	21.14	21.18		
3	16QAM	8	4	20.97	20.94	20.91		
3	16QAM	8	7	20.93	21.05	20.90	22.2	
3	16QAM	15	0	21.02	21.12	20.94		
3	64QAM	1	0	21.07	21.04	21.13		
3	64QAM	1	8	21.00	21.02	20.97	22.2	
3	64QAM	1	14	20.92	20.87	20.99		
3	64QAM	8	0	21.00	20.97	20.95		
3	64QAM	8	4	20.91	21.16	20.91	22.2	
3	64QAM	8	7	21.03	21.05	20.98		
3	64QAM	15	0	20.97	21.01	21.06		
3	256QAM	1	0	19.85	19.92	19.94	20.5	
3	256QAM	1	8	20.09	20.09	19.99		
3	256QAM	1	14	19.85	19.87	19.86		
3	256QAM	8	0	19.74	19.84	19.85	20.5	
3	256QAM	8	4	19.72	19.79	19.76		
3	256QAM	8	7	19.76	19.78	19.83		
3	256QAM	15	0	19.67	19.90	19.85	20.5	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.14	21.15	21.12	22.2	
1.4	QPSK	1	3	21.02	21.12	21.15		
1.4	QPSK	1	5	20.95	20.99	21.00		
1.4	QPSK	3	0	21.20	21.20	21.11	22.2	
1.4	QPSK	3	1	21.05	21.17	21.07		
1.4	QPSK	3	3	21.07	21.20	21.07		
1.4	QPSK	6	0	21.10	21.13	21.07	22.2	
1.4	16QAM	1	0	21.06	20.98	21.10		
1.4	16QAM	1	3	20.94	21.02	21.03		
1.4	16QAM	1	5	20.95	20.93	21.09	22.2	
1.4	16QAM	3	0	21.01	21.10	21.15		
1.4	16QAM	3	1	21.04	20.94	20.93		
1.4	16QAM	3	3	20.94	21.10	20.97	22.2	
1.4	16QAM	6	0	21.02	21.08	20.94		
1.4	64QAM	1	0	20.99	21.09	21.14		
1.4	64QAM	1	3	21.02	20.95	21.00	22.2	
1.4	64QAM	1	5	20.90	20.94	20.94		
1.4	64QAM	3	0	21.05	21.04	21.00		
1.4	64QAM	3	1	20.88	21.16	20.96	22.2	
1.4	64QAM	3	3	21.00	20.97	21.03		
1.4	64QAM	6	0	20.98	21.05	21.07		
1.4	256QAM	1	0	19.95	19.93	19.89	20.5	
1.4	256QAM	1	3	20.12	20.02	19.99		
1.4	256QAM	1	5	19.80	19.93	19.88		
1.4	256QAM	3	0	19.80	19.80	19.84	20.5	
1.4	256QAM	3	1	19.68	19.72	19.74		
1.4	256QAM	3	3	19.80	19.77	19.81		
1.4	256QAM	6	0	19.70	19.82	19.82	20.5	



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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	21.14	21.14	21.09	22.9
20	QPSK	1	49	20.96	21.14	21.15	
20	QPSK	1	99	20.95	21.07	21.02	
20	QPSK	50	0	21.14	21.17	21.15	22.9
20	QPSK	50	24	21.04	21.23	21.06	
20	QPSK	50	50	21.01	21.12	21.09	
20	QPSK	100	0	21.15	21.16	21.12	22.9
20	16QAM	1	0	20.96	20.98	21.15	
20	16QAM	1	49	20.91	21.01	20.96	
20	16QAM	1	99	20.94	20.95	20.90	22.9
20	16QAM	50	0	21.10	21.18	21.09	
20	16QAM	50	24	20.99	20.95	20.97	
20	16QAM	50	50	20.92	21.06	20.97	22.9
20	16QAM	100	0	21.06	21.10	20.93	
20	64QAM	1	0	21.06	21.09	21.08	
20	64QAM	1	49	21.05	21.00	21.03	22.9
20	64QAM	1	99	20.94	20.90	20.99	
20	64QAM	50	0	21.02	21.01	21.05	
20	64QAM	50	24	20.89	21.10	20.96	22.5
20	64QAM	50	50	21.06	21.06	20.98	
20	64QAM	100	0	20.92	21.07	21.05	
20	256QAM	1	0	19.88	19.99	19.89	20.5
20	256QAM	1	49	20.10	20.05	20.02	
20	256QAM	1	99	19.88	19.92	19.79	
20	256QAM	50	0	19.81	19.82	19.84	20.5
20	256QAM	50	24	19.67	19.77	19.79	
20	256QAM	50	50	19.72	19.78	19.80	
20	256QAM	100	0	19.73	19.88	19.82	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.12	21.14	21.08	22.9
15	QPSK	1	37	20.97	21.11	21.05	
15	QPSK	1	74	20.97	21.05	20.97	
15	QPSK	36	0	21.10	21.19	21.11	22.9
15	QPSK	36	20	21.00	21.15	21.07	
15	QPSK	36	39	21.10	21.20	21.12	
15	QPSK	75	0	21.18	21.14	21.12	22.9
15	16QAM	1	0	21.05	20.96	21.05	
15	16QAM	1	37	20.92	20.98	20.97	
15	16QAM	1	74	21.00	20.98	20.93	22.9
15	16QAM	36	0	21.07	21.19	21.14	
15	16QAM	36	20	20.98	21.03	21.00	
15	16QAM	36	39	20.92	21.06	20.90	22.9
15	16QAM	75	0	21.00	21.11	20.95	
15	64QAM	1	0	21.04	21.01	21.11	
15	64QAM	1	37	21.08	20.99	21.03	22.9
15	64QAM	1	74	20.90	20.90	20.99	
15	64QAM	36	0	21.01	20.96	20.98	
15	64QAM	36	20	20.90	21.17	20.90	22.5
15	64QAM	36	39	20.99	21.02	21.05	
15	64QAM	75	0	20.97	21.05	21.03	
15	256QAM	1	0	19.87	19.96	19.94	20.5
15	256QAM	1	37	20.12	20.08	20.02	
15	256QAM	1	74	19.83	19.96	19.85	
15	256QAM	36	0	19.73	19.83	19.82	20.5
15	256QAM	36	20	19.74	19.77	19.75	
15	256QAM	36	39	19.76	19.73	19.76	



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15	256QAM	75	0	19.66	19.82	19.85	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.10	21.09	21.08	22.9
10	QPSK	1	25	21.00	21.07	21.08	
10	QPSK	1	49	20.97	21.05	21.05	
10	QPSK	25	0	21.13	21.22	21.12	22.9
10	QPSK	25	12	21.02	21.20	21.00	
10	QPSK	25	25	21.08	21.11	21.14	
10	QPSK	50	0	21.18	21.19	21.16	
10	16QAM	1	0	20.96	20.99	21.12	22.9
10	16QAM	1	25	20.92	21.01	20.99	
10	16QAM	1	49	20.93	20.92	21.07	
10	16QAM	25	0	21.05	21.11	21.17	22.9
10	16QAM	25	12	20.99	20.99	21.00	
10	16QAM	25	25	20.92	21.02	20.95	
10	16QAM	50	0	21.01	21.02	20.97	
10	64QAM	1	0	21.07	21.04	21.13	22.9
10	64QAM	1	25	21.01	21.03	20.97	
10	64QAM	1	49	20.94	20.90	20.98	
10	64QAM	25	0	21.05	21.05	21.04	22.5
10	64QAM	25	12	20.91	21.12	20.99	
10	64QAM	25	25	21.00	21.01	20.96	
10	64QAM	50	0	21.00	21.09	21.07	
10	256QAM	1	0	19.88	19.93	19.90	20.5
10	256QAM	1	25	20.06	20.01	20.09	
10	256QAM	1	49	19.88	19.96	19.81	
10	256QAM	25	0	19.76	19.87	19.75	20.5
10	256QAM	25	12	19.72	19.78	19.78	
10	256QAM	25	25	19.71	19.75	19.84	
10	256QAM	50	0	19.75	19.90	19.83	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.09	21.09	21.12	22.9
5	QPSK	1	12	21.02	21.08	21.09	
5	QPSK	1	24	20.99	20.97	21.02	
5	QPSK	12	0	21.17	21.22	21.13	22.9
5	QPSK	12	7	21.10	21.15	21.00	
5	QPSK	12	13	21.03	21.18	21.07	
5	QPSK	25	0	21.17	21.14	21.15	
5	16QAM	1	0	21.00	20.93	21.14	22.9
5	16QAM	1	12	20.93	20.98	21.02	
5	16QAM	1	24	20.91	20.96	21.02	
5	16QAM	12	0	21.07	21.13	21.18	22.9
5	16QAM	12	7	21.00	20.98	20.90	
5	16QAM	12	13	20.92	21.11	20.93	
5	16QAM	25	0	21.05	21.10	20.94	
5	64QAM	1	0	21.06	21.08	21.13	22.9
5	64QAM	1	12	20.99	21.00	21.03	
5	64QAM	1	24	20.93	20.90	20.96	
5	64QAM	12	0	21.05	21.05	21.05	22.5
5	64QAM	12	7	20.90	21.15	20.97	
5	64QAM	12	13	21.03	21.02	20.99	
5	64QAM	25	0	20.98	21.10	21.05	
5	256QAM	1	0	19.85	19.91	19.93	20.5
5	256QAM	1	12	20.03	20.00	20.00	
5	256QAM	1	24	19.90	19.92	19.86	
5	256QAM	12	0	19.80	19.83	19.79	20.5
5	256QAM	12	7	19.74	19.73	19.74	
5	256QAM	12	13	19.75	19.81	19.75	
5	256QAM	25	0	19.71	19.89	19.86	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	21.07	21.13	21.13	22.9	
3	QPSK	1	8	20.99	21.11	21.12		
3	QPSK	1	14	20.97	20.99	20.95		
3	QPSK	8	0	21.11	21.18	21.09	22.9	
3	QPSK	8	4	21.06	21.19	21.04		
3	QPSK	8	7	21.05	21.14	21.08		
3	QPSK	15	0	21.20	21.19	21.15	22.9	
3	16QAM	1	0	21.06	20.96	21.06		
3	16QAM	1	8	20.90	21.02	20.99		
3	16QAM	1	14	20.99	20.91	21.05	22.9	
3	16QAM	8	0	21.03	21.14	21.18		
3	16QAM	8	4	20.97	20.94	20.91		
3	16QAM	8	7	20.93	21.05	20.90	22.9	
3	16QAM	15	0	21.02	21.12	20.94		
3	64QAM	1	0	21.07	21.04	21.13		
3	64QAM	1	8	21.00	21.02	20.97	22.9	
3	64QAM	1	14	20.92	20.90	20.99		
3	64QAM	8	0	21.00	20.97	20.95		
3	64QAM	8	4	20.91	21.16	20.91	22.5	
3	64QAM	8	7	21.03	21.05	20.98		
3	64QAM	15	0	20.97	21.01	21.06		
3	256QAM	1	0	19.85	19.92	19.94	20.5	
3	256QAM	1	8	20.09	20.09	19.99		
3	256QAM	1	14	19.85	19.87	19.86		
3	256QAM	8	0	19.74	19.84	19.85	20.5	
3	256QAM	8	4	19.72	19.79	19.76		
3	256QAM	8	7	19.76	19.78	19.83		
3	256QAM	15	0	19.67	19.90	19.85	20.5	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.14	21.15	21.12	22.9	
1.4	QPSK	1	3	21.02	21.12	21.15		
1.4	QPSK	1	5	20.95	20.99	21.00		
1.4	QPSK	3	0	21.20	21.20	21.11	22.9	
1.4	QPSK	3	1	21.05	21.17	21.07		
1.4	QPSK	3	3	21.07	21.20	21.07		
1.4	QPSK	6	0	21.10	21.13	21.07	22.9	
1.4	16QAM	1	0	21.06	20.98	21.10		
1.4	16QAM	1	3	20.94	21.02	21.03		
1.4	16QAM	1	5	20.95	20.93	21.09	22.9	
1.4	16QAM	3	0	21.01	21.10	21.15		
1.4	16QAM	3	1	21.04	20.94	20.93		
1.4	16QAM	3	3	20.94	21.10	20.97	22.9	
1.4	16QAM	6	0	21.02	21.08	20.94		
1.4	64QAM	1	0	20.99	21.09	21.14		
1.4	64QAM	1	3	21.02	20.95	21.00	22.9	
1.4	64QAM	1	5	20.90	20.94	20.94		
1.4	64QAM	3	0	21.05	21.04	21.00		
1.4	64QAM	3	1	20.90	21.16	20.96	22.5	
1.4	64QAM	3	3	21.00	20.97	21.03		
1.4	64QAM	6	0	20.98	21.05	21.07		
1.4	256QAM	1	0	19.95	19.93	19.89	20.5	
1.4	256QAM	1	3	20.12	20.02	19.99		
1.4	256QAM	1	5	19.80	19.93	19.88		
1.4	256QAM	3	0	19.80	19.80	19.84	20.5	
1.4	256QAM	3	1	19.68	19.72	19.74		
1.4	256QAM	3	3	19.80	19.77	19.81		
1.4	256QAM	6	0	19.70	19.82	19.82	20.5	



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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	21.14	21.14	21.09	22.2
20	QPSK	1	49	20.96	21.14	21.15	
20	QPSK	1	99	20.95	21.07	21.02	
20	QPSK	50	0	21.14	21.17	21.15	22.2
20	QPSK	50	24	21.04	21.23	21.06	
20	QPSK	50	50	21.01	21.12	21.09	
20	QPSK	100	0	21.15	21.16	21.12	22.2
20	16QAM	1	0	20.96	20.98	21.15	
20	16QAM	1	49	20.91	21.01	20.96	
20	16QAM	1	99	20.94	20.95	20.90	22.2
20	16QAM	50	0	21.10	21.18	21.09	
20	16QAM	50	24	20.99	20.95	20.97	
20	16QAM	50	50	20.92	21.06	20.97	22.2
20	16QAM	100	0	21.06	21.10	20.93	
20	64QAM	1	0	21.06	21.09	21.08	
20	64QAM	1	49	21.05	21.00	21.03	22.2
20	64QAM	1	99	20.94	20.88	20.99	
20	64QAM	50	0	21.02	21.01	21.05	
20	64QAM	50	24	20.89	21.10	20.96	22.2
20	64QAM	50	50	21.06	21.06	20.98	
20	64QAM	100	0	20.92	21.07	21.05	
20	256QAM	1	0	19.88	19.99	19.89	20.5
20	256QAM	1	49	20.10	20.05	20.02	
20	256QAM	1	99	19.88	19.92	19.79	
20	256QAM	50	0	19.81	19.82	19.84	20.5
20	256QAM	50	24	19.67	19.77	19.79	
20	256QAM	50	50	19.72	19.78	19.80	
20	256QAM	100	0	19.73	19.88	19.82	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.12	21.14	21.08	22.2
15	QPSK	1	37	20.97	21.11	21.05	
15	QPSK	1	74	20.97	21.05	20.97	
15	QPSK	36	0	21.10	21.19	21.11	22.2
15	QPSK	36	20	21.00	21.15	21.07	
15	QPSK	36	39	21.10	21.20	21.12	
15	QPSK	75	0	21.18	21.14	21.12	22.2
15	16QAM	1	0	21.05	20.96	21.05	
15	16QAM	1	37	20.92	20.98	20.97	
15	16QAM	1	74	21.00	20.98	20.93	22.2
15	16QAM	36	0	21.07	21.19	21.14	
15	16QAM	36	20	20.98	21.03	21.00	
15	16QAM	36	39	20.92	21.06	20.90	22.2
15	16QAM	75	0	21.00	21.11	20.95	
15	64QAM	1	0	21.04	21.01	21.11	
15	64QAM	1	37	21.08	20.99	21.03	22.2
15	64QAM	1	74	20.90	20.88	20.99	
15	64QAM	36	0	21.01	20.96	20.98	
15	64QAM	36	20	20.90	21.17	20.90	22.2
15	64QAM	36	39	20.99	21.02	21.05	
15	64QAM	75	0	20.97	21.05	21.03	
15	256QAM	1	0	19.87	19.96	19.94	20.5
15	256QAM	1	37	20.12	20.08	20.02	
15	256QAM	1	74	19.83	19.96	19.85	
15	256QAM	36	0	19.73	19.83	19.82	20.5
15	256QAM	36	20	19.74	19.77	19.75	
15	256QAM	36	39	19.76	19.73	19.76	



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15	256QAM	75	0	19.66	19.82	19.85	Tune-up limit (dBm)
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.10	21.09	21.08	22.2
10	QPSK	1	25	21.00	21.07	21.08	
10	QPSK	1	49	20.97	21.05	21.05	
10	QPSK	25	0	21.13	21.22	21.12	22.2
10	QPSK	25	12	21.02	21.20	21.00	
10	QPSK	25	25	21.08	21.11	21.14	
10	QPSK	50	0	21.18	21.19	21.16	22.2
10	16QAM	1	0	20.96	20.99	21.12	
10	16QAM	1	25	20.92	21.01	20.99	
10	16QAM	1	49	20.93	20.92	21.07	22.2
10	16QAM	25	0	21.05	21.11	21.17	
10	16QAM	25	12	20.99	20.99	21.00	
10	16QAM	25	25	20.92	21.02	20.95	22.2
10	16QAM	50	0	21.01	21.02	20.97	
10	64QAM	1	0	21.07	21.04	21.13	
10	64QAM	1	25	21.01	21.03	20.97	22.2
10	64QAM	1	49	20.94	20.90	20.98	
10	64QAM	25	0	21.05	21.05	21.04	
10	64QAM	25	12	20.91	21.12	20.99	22.2
10	64QAM	25	25	21.00	21.01	20.96	
10	64QAM	50	0	21.00	21.09	21.07	
10	256QAM	1	0	19.88	19.93	19.90	20.5
10	256QAM	1	25	20.06	20.01	20.09	
10	256QAM	1	49	19.88	19.96	19.81	
10	256QAM	25	0	19.76	19.87	19.75	20.5
10	256QAM	25	12	19.72	19.78	19.78	
10	256QAM	25	25	19.71	19.75	19.84	
10	256QAM	50	0	19.75	19.90	19.83	20.5
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.09	21.09	21.12	22.2
5	QPSK	1	12	21.02	21.08	21.09	
5	QPSK	1	24	20.99	20.97	21.02	
5	QPSK	12	0	21.17	21.22	21.13	22.2
5	QPSK	12	7	21.10	21.15	21.00	
5	QPSK	12	13	21.03	21.18	21.07	
5	QPSK	25	0	21.17	21.14	21.15	22.2
5	16QAM	1	0	21.00	20.93	21.14	
5	16QAM	1	12	20.93	20.98	21.02	
5	16QAM	1	24	20.91	20.96	21.02	22.2
5	16QAM	12	0	21.07	21.13	21.18	
5	16QAM	12	7	21.00	20.98	20.90	
5	16QAM	12	13	20.92	21.11	20.93	22.2
5	16QAM	25	0	21.05	21.10	20.94	
5	64QAM	1	0	21.06	21.08	21.13	
5	64QAM	1	12	20.99	21.00	21.03	22.2
5	64QAM	1	24	20.93	20.89	20.96	
5	64QAM	12	0	21.05	21.05	21.05	
5	64QAM	12	7	20.90	21.15	20.97	22.2
5	64QAM	12	13	21.03	21.02	20.99	
5	64QAM	25	0	20.98	21.10	21.05	
5	256QAM	1	0	19.85	19.91	19.93	20.5
5	256QAM	1	12	20.03	20.00	20.00	
5	256QAM	1	24	19.90	19.92	19.86	
5	256QAM	12	0	19.80	19.83	19.79	20.5
5	256QAM	12	7	19.74	19.73	19.74	
5	256QAM	12	13	19.75	19.81	19.75	
5	256QAM	25	0	19.71	19.89	19.86	20.5
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	21.07	21.13	21.13	22.2	
3	QPSK	1	8	20.99	21.11	21.12		
3	QPSK	1	14	20.97	20.99	20.95		
3	QPSK	8	0	21.11	21.18	21.09	22.2	
3	QPSK	8	4	21.06	21.19	21.04		
3	QPSK	8	7	21.05	21.14	21.08		
3	QPSK	15	0	21.20	21.19	21.15	22.2	
3	16QAM	1	0	21.06	20.96	21.06		
3	16QAM	1	8	20.90	21.02	20.99		
3	16QAM	1	14	20.99	20.91	21.05	22.2	
3	16QAM	8	0	21.03	21.14	21.18		
3	16QAM	8	4	20.97	20.94	20.91		
3	16QAM	8	7	20.93	21.05	20.90	22.2	
3	16QAM	15	0	21.02	21.12	20.94		
3	64QAM	1	0	21.07	21.04	21.13		
3	64QAM	1	8	21.00	21.02	20.97	22.2	
3	64QAM	1	14	20.92	20.87	20.99		
3	64QAM	8	0	21.00	20.97	20.95		
3	64QAM	8	4	20.91	21.16	20.91	22.2	
3	64QAM	8	7	21.03	21.05	20.98		
3	64QAM	15	0	20.97	21.01	21.06		
3	256QAM	1	0	19.85	19.92	19.94	20.5	
3	256QAM	1	8	20.09	20.09	19.99		
3	256QAM	1	14	19.85	19.87	19.86		
3	256QAM	8	0	19.74	19.84	19.85	20.5	
3	256QAM	8	4	19.72	19.79	19.76		
3	256QAM	8	7	19.76	19.78	19.83		
3	256QAM	15	0	19.67	19.90	19.85	20.5	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.14	21.15	21.12	22.2	
1.4	QPSK	1	3	21.02	21.12	21.15		
1.4	QPSK	1	5	20.95	20.99	21.00		
1.4	QPSK	3	0	21.20	21.20	21.11	22.2	
1.4	QPSK	3	1	21.05	21.17	21.07		
1.4	QPSK	3	3	21.07	21.20	21.07		
1.4	QPSK	6	0	21.10	21.13	21.07	22.2	
1.4	16QAM	1	0	21.06	20.98	21.10		
1.4	16QAM	1	3	20.94	21.02	21.03		
1.4	16QAM	1	5	20.95	20.93	21.09	22.2	
1.4	16QAM	3	0	21.01	21.10	21.15		
1.4	16QAM	3	1	21.04	20.94	20.93		
1.4	16QAM	3	3	20.94	21.10	20.97	22.2	
1.4	16QAM	6	0	21.02	21.08	20.94		
1.4	64QAM	1	0	20.99	21.09	21.14		
1.4	64QAM	1	3	21.02	20.95	21.00	22.2	
1.4	64QAM	1	5	20.90	20.94	20.94		
1.4	64QAM	3	0	21.05	21.04	21.00		
1.4	64QAM	3	1	20.88	21.16	20.96	22.2	
1.4	64QAM	3	3	21.00	20.97	21.03		
1.4	64QAM	6	0	20.98	21.05	21.07		
1.4	256QAM	1	0	19.95	19.93	19.89	20.5	
1.4	256QAM	1	3	20.12	20.02	19.99		
1.4	256QAM	1	5	19.80	19.93	19.88		
1.4	256QAM	3	0	19.80	19.80	19.84	20.5	
1.4	256QAM	3	1	19.68	19.72	19.74		
1.4	256QAM	3	3	19.80	19.77	19.81		
1.4	256QAM	6	0	19.70	19.82	19.82	20.5	



<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	24.35	24.48	24.46	25.5
20	QPSK	1	49	24.37	24.36	24.40	
20	QPSK	1	99	24.47	24.33	24.17	
20	QPSK	50	0	23.47	23.48	23.44	24.5
20	QPSK	50	24	23.44	23.47	23.42	
20	QPSK	50	50	23.45	23.45	23.34	
20	QPSK	100	0	23.51	23.53	23.44	24.5
20	16QAM	1	0	23.70	23.63	23.70	
20	16QAM	1	49	23.79	23.75	23.75	
20	16QAM	1	99	23.73	23.58	23.45	23.5
20	16QAM	50	0	22.46	22.39	22.42	
20	16QAM	50	24	22.49	22.40	22.38	
20	16QAM	50	50	22.52	22.39	22.30	23.5
20	16QAM	100	0	22.46	22.39	22.35	
20	64QAM	1	0	22.50	22.42	22.48	
20	64QAM	1	49	22.52	22.43	22.52	23.5
20	64QAM	1	99	22.60	22.44	22.34	
20	64QAM	50	0	21.48	21.41	21.45	
20	64QAM	50	24	21.53	21.45	21.43	22.5
20	64QAM	50	50	21.53	21.43	21.34	
20	64QAM	100	0	21.48	21.41	21.38	
20	256QAM	1	0	19.42	19.28	19.38	20.5
20	256QAM	1	49	19.55	19.36	19.47	
20	256QAM	1	99	19.68	19.50	19.45	
20	256QAM	50	0	19.34	19.29	19.34	20.5
20	256QAM	50	24	19.41	19.35	19.37	
20	256QAM	50	50	19.45	19.39	19.35	
20	256QAM	100	0	19.40	19.36	19.32	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.18	24.16	24.32	25.5
15	QPSK	1	37	24.40	24.39	24.36	
15	QPSK	1	74	24.40	24.34	24.14	
15	QPSK	36	0	23.43	23.35	23.43	24.5
15	QPSK	36	20	23.55	23.44	23.41	
15	QPSK	36	39	23.66	23.47	23.33	
15	QPSK	75	0	23.56	23.47	23.49	24.5
15	16QAM	1	0	23.61	23.53	23.78	
15	16QAM	1	37	23.60	23.62	23.57	
15	16QAM	1	74	23.71	23.52	23.48	23.5
15	16QAM	36	0	22.50	22.41	22.41	
15	16QAM	36	20	22.54	22.40	22.40	
15	16QAM	36	39	22.57	22.42	22.31	23.5
15	16QAM	75	0	22.55	22.45	22.40	
15	64QAM	1	0	22.51	22.45	22.55	
15	64QAM	1	37	22.50	22.37	22.41	23.5
15	64QAM	1	74	22.70	22.49	22.35	
15	64QAM	36	0	21.51	21.39	21.44	
15	64QAM	36	20	21.49	21.42	21.39	22.5
15	64QAM	36	39	21.52	21.43	21.33	
15	64QAM	75	0	21.53	21.41	21.37	
15	256QAM	1	0	19.42	19.26	19.30	20.5
15	256QAM	1	37	19.26	19.27	19.29	
15	256QAM	1	74	19.45	19.42	19.39	
15	256QAM	36	0	19.22	19.25	19.20	20.5
15	256QAM	36	20	19.19	19.27	19.19	
15	256QAM	36	39	19.24	19.29	19.29	



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15	256QAM	75	0	19.32	19.26	19.33	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.25	24.21	24.36	25.5
10	QPSK	1	25	24.27	24.19	24.13	
10	QPSK	1	49	24.42	24.36	24.23	
10	QPSK	25	0	23.47	23.40	23.47	24.5
10	QPSK	25	12	23.58	23.49	23.43	
10	QPSK	25	25	23.68	23.50	23.39	
10	QPSK	50	0	23.56	23.45	23.44	
10	16QAM	1	0	23.76	23.62	23.71	24.5
10	16QAM	1	25	23.65	23.51	23.52	
10	16QAM	1	49	23.85	23.61	23.57	
10	16QAM	25	0	22.55	22.47	22.48	23.5
10	16QAM	25	12	22.58	22.46	22.44	
10	16QAM	25	25	22.60	22.48	22.38	
10	16QAM	50	0	22.51	22.40	22.38	
10	64QAM	1	0	22.50	22.39	22.51	23.5
10	64QAM	1	25	22.31	22.28	22.32	
10	64QAM	1	49	22.67	22.53	22.50	
10	64QAM	25	0	21.49	21.43	21.44	22.5
10	64QAM	25	12	21.51	21.46	21.40	
10	64QAM	25	25	21.52	21.47	21.34	
10	64QAM	50	0	21.56	21.46	21.41	
10	256QAM	1	0	19.41	19.24	19.29	20.5
10	256QAM	1	25	19.32	19.27	19.27	
10	256QAM	1	49	19.44	19.42	19.36	
10	256QAM	25	0	19.29	19.28	19.28	20.5
10	256QAM	25	12	19.26	19.26	19.22	
10	256QAM	25	25	19.23	19.36	19.23	
10	256QAM	50	0	19.23	19.36	19.31	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.31	24.20	24.29	25.5
5	QPSK	1	12	24.40	24.41	24.31	
5	QPSK	1	24	24.46	24.40	24.24	
5	QPSK	12	0	23.45	23.36	23.35	24.5
5	QPSK	12	7	23.52	23.46	23.35	
5	QPSK	12	13	23.62	23.46	23.33	
5	QPSK	25	0	23.54	23.44	23.43	
5	16QAM	1	0	23.82	23.71	23.72	24.5
5	16QAM	1	12	23.83	23.68	23.65	
5	16QAM	1	24	23.86	23.67	23.60	
5	16QAM	12	0	22.51	22.39	22.33	23.5
5	16QAM	12	7	22.52	22.35	22.31	
5	16QAM	12	13	22.51	22.37	22.31	
5	16QAM	25	0	22.55	22.46	22.38	
5	64QAM	1	0	22.51	22.35	22.50	23.5
5	64QAM	1	12	22.32	22.33	22.24	
5	64QAM	1	24	22.65	22.45	22.39	
5	64QAM	12	0	21.53	21.36	21.31	22.5
5	64QAM	12	7	21.53	21.37	21.30	
5	64QAM	12	13	21.52	21.38	21.28	
5	64QAM	25	0	21.55	21.44	21.35	
5	256QAM	1	0	19.41	19.26	19.38	20.5
5	256QAM	1	12	19.23	19.26	19.30	
5	256QAM	1	24	19.33	19.40	19.38	
5	256QAM	12	0	19.20	19.29	19.18	20.5
5	256QAM	12	7	19.33	19.34	19.29	
5	256QAM	12	13	19.33	19.32	19.26	
5	256QAM	25	0	19.31	19.33	19.31	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	24.35	24.23	24.32	25.5
3	QPSK	1	8	24.29	24.17	24.06	
3	QPSK	1	14	24.46	24.36	24.25	
3	QPSK	8	0	23.42	23.38	23.35	24.5
3	QPSK	8	4	23.53	23.43	23.32	
3	QPSK	8	7	23.66	23.49	23.35	
3	QPSK	15	0	23.50	23.41	23.41	24.5
3	16QAM	1	0	23.75	23.71	23.74	
3	16QAM	1	8	23.69	23.49	23.57	
3	16QAM	1	14	23.85	23.65	23.62	23.5
3	16QAM	8	0	22.52	22.34	22.31	
3	16QAM	8	4	22.53	22.35	22.36	
3	16QAM	8	7	22.49	22.33	22.30	23.5
3	16QAM	15	0	22.52	22.41	22.31	
3	64QAM	1	0	22.53	22.38	22.46	
3	64QAM	1	8	22.40	22.26	22.36	22.5
3	64QAM	1	14	22.61	22.44	22.37	
3	64QAM	8	0	21.49	21.35	21.29	
3	64QAM	8	4	21.50	21.30	21.29	20.5
3	64QAM	8	7	21.51	21.36	21.30	
3	64QAM	15	0	21.55	21.37	21.34	
3	256QAM	1	0	19.37	19.24	19.31	20.5
3	256QAM	1	8	19.23	19.35	19.28	
3	256QAM	1	14	19.45	19.46	19.48	
3	256QAM	8	0	19.17	19.21	19.12	20.5
3	256QAM	8	4	19.30	19.25	19.26	
3	256QAM	8	7	19.34	19.39	19.27	
3	256QAM	15	0	19.34	19.27	19.30	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.40	24.38	24.36	25.5
1.4	QPSK	1	3	24.35	24.26	24.21	
1.4	QPSK	1	5	24.40	24.40	24.34	
1.4	QPSK	3	0	24.46	24.40	24.32	
1.4	QPSK	3	1	24.47	24.40	24.32	
1.4	QPSK	3	3	24.42	24.35	24.29	24.5
1.4	QPSK	6	0	23.43	23.34	23.30	
1.4	16QAM	1	0	23.66	23.55	23.57	
1.4	16QAM	1	3	23.63	23.52	23.46	24.5
1.4	16QAM	1	5	23.68	23.57	23.54	
1.4	16QAM	3	0	23.51	23.41	23.41	
1.4	16QAM	3	1	23.52	23.39	23.43	
1.4	16QAM	3	3	23.47	23.37	23.32	
1.4	16QAM	6	0	22.43	22.29	22.25	23.5
1.4	64QAM	1	0	22.60	22.44	22.45	23.5
1.4	64QAM	1	3	22.50	22.39	22.32	
1.4	64QAM	1	5	22.58	22.46	22.40	
1.4	64QAM	3	0	22.53	22.39	22.37	
1.4	64QAM	3	1	22.52	22.35	22.33	
1.4	64QAM	3	3	22.51	22.36	22.32	22.5
1.4	64QAM	6	0	21.44	21.30	21.27	
1.4	256QAM	1	0	19.38	19.18	19.37	
1.4	256QAM	1	3	19.21	19.28	19.24	20.5
1.4	256QAM	1	5	19.34	19.44	19.43	
1.4	256QAM	3	0	19.24	19.23	19.25	
1.4	256QAM	3	1	19.30	19.30	19.22	
1.4	256QAM	3	3	19.29	19.39	19.38	
1.4	256QAM	6	0	19.26	19.27	19.27	20.5



<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	24.35	24.48	24.46	25.3
20	QPSK	1	49	24.37	24.36	24.40	
20	QPSK	1	99	24.47	24.33	24.17	
20	QPSK	50	0	23.47	23.48	23.44	24.3
20	QPSK	50	24	23.44	23.47	23.42	
20	QPSK	50	50	23.45	23.45	23.34	
20	QPSK	100	0	23.51	23.53	23.44	24.3
20	16QAM	1	0	23.70	23.63	23.70	
20	16QAM	1	49	23.79	23.75	23.75	
20	16QAM	1	99	23.73	23.58	23.45	23.3
20	16QAM	50	0	22.46	22.39	22.42	
20	16QAM	50	24	22.49	22.40	22.38	
20	16QAM	50	50	22.52	22.39	22.30	23.3
20	16QAM	100	0	22.46	22.39	22.35	
20	64QAM	1	0	22.50	22.42	22.48	
20	64QAM	1	49	22.52	22.43	22.52	22.3
20	64QAM	1	99	22.60	22.44	22.34	
20	64QAM	50	0	21.48	21.41	21.45	
20	64QAM	50	24	21.53	21.45	21.43	22.3
20	64QAM	50	50	21.53	21.43	21.34	
20	64QAM	100	0	21.48	21.41	21.38	
20	256QAM	1	0	19.42	19.28	19.38	20.3
20	256QAM	1	49	19.55	19.36	19.47	
20	256QAM	1	99	19.68	19.50	19.45	
20	256QAM	50	0	19.34	19.29	19.34	20.3
20	256QAM	50	24	19.41	19.35	19.37	
20	256QAM	50	50	19.45	19.39	19.35	
20	256QAM	100	0	19.40	19.36	19.32	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.18	24.16	24.32	25.3
15	QPSK	1	37	24.40	24.39	24.36	
15	QPSK	1	74	24.40	24.34	24.14	
15	QPSK	36	0	23.43	23.35	23.43	24.3
15	QPSK	36	20	23.55	23.44	23.41	
15	QPSK	36	39	23.66	23.47	23.33	
15	QPSK	75	0	23.56	23.47	23.49	24.3
15	16QAM	1	0	23.61	23.53	23.78	
15	16QAM	1	37	23.60	23.62	23.57	
15	16QAM	1	74	23.71	23.52	23.48	23.3
15	16QAM	36	0	22.50	22.41	22.41	
15	16QAM	36	20	22.54	22.40	22.40	
15	16QAM	36	39	22.57	22.42	22.31	23.3
15	16QAM	75	0	22.55	22.45	22.40	
15	64QAM	1	0	22.51	22.45	22.55	
15	64QAM	1	37	22.50	22.37	22.41	23.3
15	64QAM	1	74	22.70	22.49	22.35	
15	64QAM	36	0	21.51	21.39	21.44	
15	64QAM	36	20	21.49	21.42	21.39	22.3
15	64QAM	36	39	21.52	21.43	21.33	
15	64QAM	75	0	21.53	21.41	21.37	
15	256QAM	1	0	19.42	19.26	19.30	20.3
15	256QAM	1	37	19.26	19.27	19.29	
15	256QAM	1	74	19.45	19.42	19.39	
15	256QAM	36	0	19.22	19.25	19.20	20.3
15	256QAM	36	20	19.19	19.27	19.19	
15	256QAM	36	39	19.24	19.29	19.29	



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15	256QAM	75	0	19.32	19.26	19.33	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.25	24.21	24.36	25.3
10	QPSK	1	25	24.27	24.19	24.13	
10	QPSK	1	49	24.42	24.36	24.23	
10	QPSK	25	0	23.47	23.40	23.47	24.3
10	QPSK	25	12	23.58	23.49	23.43	
10	QPSK	25	25	23.68	23.50	23.39	
10	QPSK	50	0	23.56	23.45	23.44	
10	16QAM	1	0	23.76	23.62	23.71	24.3
10	16QAM	1	25	23.65	23.51	23.52	
10	16QAM	1	49	23.85	23.61	23.57	
10	16QAM	25	0	22.55	22.47	22.48	23.3
10	16QAM	25	12	22.58	22.46	22.44	
10	16QAM	25	25	22.60	22.48	22.38	
10	16QAM	50	0	22.51	22.40	22.38	
10	64QAM	1	0	22.50	22.39	22.51	23.3
10	64QAM	1	25	22.31	22.28	22.32	
10	64QAM	1	49	22.67	22.53	22.50	
10	64QAM	25	0	21.49	21.43	21.44	22.3
10	64QAM	25	12	21.51	21.46	21.40	
10	64QAM	25	25	21.52	21.47	21.34	
10	64QAM	50	0	21.56	21.46	21.41	
10	256QAM	1	0	19.41	19.24	19.29	20.3
10	256QAM	1	25	19.32	19.27	19.27	
10	256QAM	1	49	19.44	19.42	19.36	
10	256QAM	25	0	19.29	19.28	19.28	20.3
10	256QAM	25	12	19.26	19.26	19.22	
10	256QAM	25	25	19.23	19.36	19.23	
10	256QAM	50	0	19.23	19.36	19.31	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.31	24.20	24.29	25.3
5	QPSK	1	12	24.40	24.41	24.31	
5	QPSK	1	24	24.46	24.40	24.24	
5	QPSK	12	0	23.45	23.36	23.35	24.3
5	QPSK	12	7	23.52	23.46	23.35	
5	QPSK	12	13	23.62	23.46	23.33	
5	QPSK	25	0	23.54	23.44	23.43	
5	16QAM	1	0	23.82	23.71	23.72	24.3
5	16QAM	1	12	23.83	23.68	23.65	
5	16QAM	1	24	23.86	23.67	23.60	
5	16QAM	12	0	22.51	22.39	22.33	23.3
5	16QAM	12	7	22.52	22.35	22.31	
5	16QAM	12	13	22.51	22.37	22.31	
5	16QAM	25	0	22.55	22.46	22.38	
5	64QAM	1	0	22.51	22.35	22.50	23.3
5	64QAM	1	12	22.32	22.33	22.24	
5	64QAM	1	24	22.65	22.45	22.39	
5	64QAM	12	0	21.53	21.36	21.31	22.3
5	64QAM	12	7	21.53	21.37	21.30	
5	64QAM	12	13	21.52	21.38	21.28	
5	64QAM	25	0	21.55	21.44	21.35	
5	256QAM	1	0	19.41	19.26	19.38	20.3
5	256QAM	1	12	19.23	19.26	19.30	
5	256QAM	1	24	19.33	19.40	19.38	
5	256QAM	12	0	19.20	19.29	19.18	20.3
5	256QAM	12	7	19.33	19.34	19.29	
5	256QAM	12	13	19.33	19.32	19.26	
5	256QAM	25	0	19.31	19.33	19.31	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	24.35	24.23	24.32	25.3
3	QPSK	1	8	24.29	24.17	24.06	
3	QPSK	1	14	24.46	24.36	24.25	
3	QPSK	8	0	23.42	23.38	23.35	24.3
3	QPSK	8	4	23.53	23.43	23.32	
3	QPSK	8	7	23.66	23.49	23.35	
3	QPSK	15	0	23.50	23.41	23.41	24.3
3	16QAM	1	0	23.75	23.71	23.74	
3	16QAM	1	8	23.69	23.49	23.57	
3	16QAM	1	14	23.85	23.65	23.62	23.3
3	16QAM	8	0	22.52	22.34	22.31	
3	16QAM	8	4	22.53	22.35	22.36	
3	16QAM	8	7	22.49	22.33	22.30	23.3
3	16QAM	15	0	22.52	22.41	22.31	
3	64QAM	1	0	22.53	22.38	22.46	
3	64QAM	1	8	22.40	22.26	22.36	22.3
3	64QAM	1	14	22.61	22.44	22.37	
3	64QAM	8	0	21.49	21.35	21.29	
3	64QAM	8	4	21.50	21.30	21.29	20.3
3	64QAM	8	7	21.51	21.36	21.30	
3	64QAM	15	0	21.55	21.37	21.34	
3	256QAM	1	0	19.37	19.24	19.31	20.3
3	256QAM	1	8	19.23	19.35	19.28	
3	256QAM	1	14	19.45	19.46	19.48	
3	256QAM	8	0	19.17	19.21	19.12	20.3
3	256QAM	8	4	19.30	19.25	19.26	
3	256QAM	8	7	19.34	19.39	19.27	
3	256QAM	15	0	19.34	19.27	19.30	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.40	24.38	24.36	25.3
1.4	QPSK	1	3	24.35	24.26	24.21	
1.4	QPSK	1	5	24.40	24.40	24.34	
1.4	QPSK	3	0	24.46	24.40	24.32	
1.4	QPSK	3	1	24.47	24.40	24.32	
1.4	QPSK	3	3	24.42	24.35	24.29	24.3
1.4	QPSK	6	0	23.43	23.34	23.30	
1.4	16QAM	1	0	23.66	23.55	23.57	
1.4	16QAM	1	3	23.63	23.52	23.46	24.3
1.4	16QAM	1	5	23.68	23.57	23.54	
1.4	16QAM	3	0	23.51	23.41	23.41	
1.4	16QAM	3	1	23.52	23.39	23.43	
1.4	16QAM	3	3	23.47	23.37	23.32	
1.4	16QAM	6	0	22.43	22.29	22.25	23.3
1.4	64QAM	1	0	22.60	22.44	22.45	23.3
1.4	64QAM	1	3	22.50	22.39	22.32	
1.4	64QAM	1	5	22.58	22.46	22.40	
1.4	64QAM	3	0	22.53	22.39	22.37	
1.4	64QAM	3	1	22.52	22.35	22.33	
1.4	64QAM	3	3	22.51	22.36	22.32	22.3
1.4	64QAM	6	0	21.44	21.30	21.27	
1.4	256QAM	1	0	19.38	19.18	19.37	
1.4	256QAM	1	3	19.21	19.28	19.24	20.3
1.4	256QAM	1	5	19.34	19.44	19.43	
1.4	256QAM	3	0	19.24	19.23	19.25	
1.4	256QAM	3	1	19.30	19.30	19.22	
1.4	256QAM	3	3	19.29	19.39	19.38	
1.4	256QAM	6	0	19.26	19.27	19.27	20.3



<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	20.52	20.50	20.57	21.3
20	QPSK	1	49	20.63	20.54	20.58	
20	QPSK	1	99	20.57	20.55	20.55	
20	QPSK	50	0	20.54	20.57	20.63	21.3
20	QPSK	50	24	20.63	20.63	20.62	
20	QPSK	50	50	20.62	20.62	20.52	
20	QPSK	100	0	20.57	20.61	20.59	21.3
20	16QAM	1	0	20.80	20.70	20.69	
20	16QAM	1	49	20.80	20.63	20.66	
20	16QAM	1	99	20.82	20.61	20.50	21.3
20	16QAM	50	0	20.56	20.53	20.57	
20	16QAM	50	24	20.60	20.56	20.54	
20	16QAM	50	50	20.60	20.56	20.46	21.3
20	16QAM	100	0	20.56	20.50	20.54	
20	64QAM	1	0	20.64	20.52	20.66	
20	64QAM	1	49	20.61	20.56	20.62	21.3
20	64QAM	1	99	20.61	20.52	20.56	
20	64QAM	50	0	20.55	20.56	20.59	
20	64QAM	50	24	20.60	20.63	20.55	21.3
20	64QAM	50	50	20.64	20.57	20.46	
20	64QAM	100	0	20.55	20.51	20.49	
20	256QAM	1	0	19.41	19.27	19.41	20.3
20	256QAM	1	49	19.13	19.34	19.11	
20	256QAM	1	99	19.06	19.21	19.12	
20	256QAM	50	0	19.23	19.29	19.28	20.3
20	256QAM	50	24	19.22	19.26	19.20	
20	256QAM	50	50	19.15	19.13	19.23	
20	256QAM	100	0	19.11	19.24	19.25	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.47	20.41	20.50	21.3
15	QPSK	1	37	20.59	20.54	20.53	
15	QPSK	1	74	20.57	20.50	20.49	
15	QPSK	36	0	20.49	20.47	20.56	21.3
15	QPSK	36	20	20.56	20.63	20.56	
15	QPSK	36	39	20.56	20.52	20.50	
15	QPSK	75	0	20.55	20.55	20.52	21.3
15	16QAM	1	0	20.70	20.66	20.63	
15	16QAM	1	37	20.73	20.55	20.64	
15	16QAM	1	74	20.73	20.61	20.49	21.3
15	16QAM	36	0	20.51	20.43	20.56	
15	16QAM	36	20	20.58	20.53	20.47	
15	16QAM	36	39	20.58	20.51	20.41	21.3
15	16QAM	75	0	20.55	20.46	20.53	
15	64QAM	1	0	20.63	20.48	20.63	
15	64QAM	1	37	20.59	20.47	20.59	21.3
15	64QAM	1	74	20.53	20.43	20.48	
15	64QAM	36	0	20.50	20.53	20.54	
15	64QAM	36	20	20.50	20.54	20.52	21.3
15	64QAM	36	39	20.58	20.53	20.46	
15	64QAM	75	0	20.51	20.42	20.40	
15	256QAM	1	0	19.34	19.24	19.39	20.3
15	256QAM	1	37	19.05	19.27	19.08	
15	256QAM	1	74	19.03	19.14	19.07	
15	256QAM	36	0	19.13	19.28	19.21	20.3
15	256QAM	36	20	19.16	19.22	19.14	
15	256QAM	36	39	19.10	19.08	19.19	



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15	256QAM	75	0	19.10	19.23	19.17	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.42	20.50	20.56	21.3
10	QPSK	1	25	20.59	20.51	20.53	
10	QPSK	1	49	20.55	20.48	20.45	
10	QPSK	25	0	20.48	20.49	20.60	21.3
10	QPSK	25	12	20.63	20.55	20.62	
10	QPSK	25	25	20.55	20.61	20.43	
10	QPSK	50	0	20.55	20.57	20.55	21.3
10	16QAM	1	0	20.78	20.61	20.60	
10	16QAM	1	25	20.78	20.60	20.66	
10	16QAM	1	49	20.73	20.51	20.46	21.3
10	16QAM	25	0	20.56	20.48	20.52	
10	16QAM	25	12	20.50	20.47	20.46	
10	16QAM	25	25	20.58	20.46	20.40	21.3
10	16QAM	50	0	20.48	20.45	20.46	
10	64QAM	1	0	20.63	20.45	20.63	
10	64QAM	1	25	20.53	20.56	20.55	21.3
10	64QAM	1	49	20.57	20.43	20.48	
10	64QAM	25	0	20.46	20.53	20.52	
10	64QAM	25	12	20.60	20.62	20.52	21.3
10	64QAM	25	25	20.61	20.55	20.43	
10	64QAM	50	0	20.52	20.46	20.40	
10	256QAM	1	0	19.38	19.22	19.35	20.3
10	256QAM	1	25	19.10	19.30	19.06	
10	256QAM	1	49	18.99	19.20	19.09	
10	256QAM	25	0	19.23	19.26	19.24	20.3
10	256QAM	25	12	19.15	19.18	19.15	
10	256QAM	25	25	19.09	19.12	19.18	
10	256QAM	50	0	19.07	19.22	19.19	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.42	20.44	20.52	21.3
5	QPSK	1	12	20.53	20.46	20.49	
5	QPSK	1	24	20.50	20.49	20.54	
5	QPSK	12	0	20.49	20.52	20.55	21.3
5	QPSK	12	7	20.60	20.57	20.62	
5	QPSK	12	13	20.59	20.59	20.47	
5	QPSK	25	0	20.48	20.58	20.51	21.3
5	16QAM	1	0	20.76	20.62	20.64	
5	16QAM	1	12	20.74	20.55	20.64	
5	16QAM	1	24	20.72	20.52	20.50	21.3
5	16QAM	12	0	20.56	20.48	20.51	
5	16QAM	12	7	20.53	20.47	20.50	
5	16QAM	12	13	20.55	20.47	20.42	21.3
5	16QAM	25	0	20.50	20.47	20.48	
5	64QAM	1	0	20.56	20.48	20.61	
5	64QAM	1	12	20.61	20.53	20.54	21.3
5	64QAM	1	24	20.54	20.48	20.47	
5	64QAM	12	0	20.48	20.50	20.58	
5	64QAM	12	7	20.51	20.55	20.45	21.3
5	64QAM	12	13	20.58	20.55	20.40	
5	64QAM	25	0	20.47	20.51	20.46	
5	256QAM	1	0	19.39	19.23	19.39	20.3
5	256QAM	1	12	19.11	19.28	19.09	
5	256QAM	1	24	19.06	19.20	19.05	
5	256QAM	12	0	19.14	19.24	19.22	20.3
5	256QAM	12	7	19.15	19.22	19.18	
5	256QAM	12	13	19.14	19.07	19.20	
5	256QAM	25	0	19.04	19.17	19.20	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	20.47	20.49	20.54	21.3
3	QPSK	1	8	20.57	20.50	20.54	
3	QPSK	1	14	20.52	20.49	20.55	
3	QPSK	8	0	20.54	20.51	20.55	21.3
3	QPSK	8	4	20.58	20.61	20.56	
3	QPSK	8	7	20.53	20.61	20.49	
3	QPSK	15	0	20.56	20.52	20.54	21.3
3	16QAM	1	0	20.79	20.68	20.64	
3	16QAM	1	8	20.80	20.60	20.64	
3	16QAM	1	14	20.76	20.60	20.40	21.3
3	16QAM	8	0	20.54	20.52	20.57	
3	16QAM	8	4	20.50	20.50	20.44	
3	16QAM	8	7	20.53	20.46	20.44	21.3
3	16QAM	15	0	20.52	20.43	20.45	
3	64QAM	1	0	20.60	20.48	20.57	
3	64QAM	1	8	20.57	20.47	20.55	21.3
3	64QAM	1	14	20.56	20.47	20.51	
3	64QAM	8	0	20.45	20.56	20.58	
3	64QAM	8	4	20.51	20.55	20.48	21.3
3	64QAM	8	7	20.62	20.52	20.45	
3	64QAM	15	0	20.54	20.44	20.40	
3	256QAM	1	0	19.33	19.22	19.36	20.3
3	256QAM	1	8	19.10	19.31	19.04	
3	256QAM	1	14	18.98	19.18	19.09	
3	256QAM	8	0	19.20	19.29	19.27	20.3
3	256QAM	8	4	19.16	19.26	19.12	
3	256QAM	8	7	19.11	19.05	19.15	
3	256QAM	15	0	19.08	19.16	19.22	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.50	20.49	20.53	21.3
1.4	QPSK	1	3	20.56	20.49	20.50	
1.4	QPSK	1	5	20.54	20.54	20.48	
1.4	QPSK	3	0	20.47	20.52	20.53	21.3
1.4	QPSK	3	1	20.55	20.53	20.60	
1.4	QPSK	3	3	20.55	20.58	20.51	
1.4	QPSK	6	0	20.52	20.51	20.59	21.3
1.4	16QAM	1	0	20.80	20.65	20.63	
1.4	16QAM	1	3	20.70	20.54	20.63	
1.4	16QAM	1	5	20.81	20.59	20.40	21.3
1.4	16QAM	3	0	20.51	20.47	20.50	
1.4	16QAM	3	1	20.52	20.46	20.51	
1.4	16QAM	3	3	20.56	20.52	20.43	21.3
1.4	16QAM	6	0	20.51	20.49	20.52	
1.4	64QAM	1	0	20.63	20.43	20.60	
1.4	64QAM	1	3	20.52	20.51	20.52	21.3
1.4	64QAM	1	5	20.58	20.49	20.49	
1.4	64QAM	3	0	20.54	20.53	20.50	
1.4	64QAM	3	1	20.52	20.63	20.46	21.3
1.4	64QAM	3	3	20.62	20.56	20.45	
1.4	64QAM	6	0	20.46	20.45	20.49	
1.4	256QAM	1	0	19.33	19.23	19.36	20.3
1.4	256QAM	1	3	19.11	19.30	19.03	
1.4	256QAM	1	5	19.06	19.17	19.03	
1.4	256QAM	3	0	19.17	19.25	19.27	20.3
1.4	256QAM	3	1	19.13	19.20	19.13	
1.4	256QAM	3	3	19.06	19.10	19.18	
1.4	256QAM	6	0	19.03	19.22	19.20	20.3



<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	20.52	20.50	20.57	22
20	QPSK	1	49	20.63	20.54	20.58	
20	QPSK	1	99	20.57	20.55	20.55	
20	QPSK	50	0	20.54	20.57	20.63	22
20	QPSK	50	24	20.63	20.63	20.62	
20	QPSK	50	50	20.62	20.62	20.52	
20	QPSK	100	0	20.57	20.61	20.59	22
20	16QAM	1	0	20.80	20.70	20.69	
20	16QAM	1	49	20.80	20.63	20.66	
20	16QAM	1	99	20.82	20.61	20.50	22
20	16QAM	50	0	20.56	20.53	20.57	
20	16QAM	50	24	20.60	20.56	20.54	
20	16QAM	50	50	20.60	20.56	20.46	22
20	16QAM	100	0	20.56	20.50	20.54	
20	64QAM	1	0	20.64	20.52	20.66	
20	64QAM	1	49	20.61	20.56	20.62	22
20	64QAM	1	99	20.61	20.52	20.56	
20	64QAM	50	0	20.55	20.56	20.59	
20	64QAM	50	24	20.60	20.63	20.55	22
20	64QAM	50	50	20.64	20.57	20.46	
20	64QAM	100	0	20.55	20.51	20.49	
20	256QAM	1	0	19.41	19.27	19.41	20.5
20	256QAM	1	49	19.13	19.34	19.11	
20	256QAM	1	99	19.06	19.21	19.12	
20	256QAM	50	0	19.23	19.29	19.28	20.5
20	256QAM	50	24	19.22	19.26	19.20	
20	256QAM	50	50	19.15	19.13	19.23	
20	256QAM	100	0	19.11	19.24	19.25	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.47	20.41	20.50	22
15	QPSK	1	37	20.59	20.54	20.53	
15	QPSK	1	74	20.57	20.50	20.49	
15	QPSK	36	0	20.49	20.47	20.56	22
15	QPSK	36	20	20.56	20.63	20.56	
15	QPSK	36	39	20.56	20.52	20.50	
15	QPSK	75	0	20.55	20.55	20.52	22
15	16QAM	1	0	20.70	20.66	20.63	
15	16QAM	1	37	20.73	20.55	20.64	
15	16QAM	1	74	20.73	20.61	20.49	22
15	16QAM	36	0	20.51	20.43	20.56	
15	16QAM	36	20	20.58	20.53	20.47	
15	16QAM	36	39	20.58	20.51	20.41	22
15	16QAM	75	0	20.55	20.46	20.53	
15	64QAM	1	0	20.63	20.48	20.63	
15	64QAM	1	37	20.59	20.47	20.59	22
15	64QAM	1	74	20.53	20.43	20.48	
15	64QAM	36	0	20.50	20.53	20.54	
15	64QAM	36	20	20.50	20.54	20.52	22
15	64QAM	36	39	20.58	20.53	20.46	
15	64QAM	75	0	20.51	20.42	20.40	
15	256QAM	1	0	19.34	19.24	19.39	20.5
15	256QAM	1	37	19.05	19.27	19.08	
15	256QAM	1	74	19.03	19.14	19.07	
15	256QAM	36	0	19.13	19.28	19.21	20.5
15	256QAM	36	20	19.16	19.22	19.14	
15	256QAM	36	39	19.10	19.08	19.19	



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Report No. : FA2D0208-01F

15	256QAM	75	0	19.10	19.23	19.17	Tune-up limit (dBm)
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.42	20.50	20.56	22
10	QPSK	1	25	20.59	20.51	20.53	
10	QPSK	1	49	20.55	20.48	20.45	
10	QPSK	25	0	20.48	20.49	20.60	22
10	QPSK	25	12	20.63	20.55	20.62	
10	QPSK	25	25	20.55	20.61	20.43	
10	QPSK	50	0	20.55	20.57	20.55	22
10	16QAM	1	0	20.78	20.61	20.60	
10	16QAM	1	25	20.78	20.60	20.66	
10	16QAM	1	49	20.73	20.51	20.46	22
10	16QAM	25	0	20.56	20.48	20.52	
10	16QAM	25	12	20.50	20.47	20.46	
10	16QAM	25	25	20.58	20.46	20.40	22
10	16QAM	50	0	20.48	20.45	20.46	
10	64QAM	1	0	20.63	20.45	20.63	
10	64QAM	1	25	20.53	20.56	20.55	22
10	64QAM	1	49	20.57	20.43	20.48	
10	64QAM	25	0	20.46	20.53	20.52	
10	64QAM	25	12	20.60	20.62	20.52	22
10	64QAM	25	25	20.61	20.55	20.43	
10	64QAM	50	0	20.52	20.46	20.40	
10	256QAM	1	0	19.38	19.22	19.35	20.5
10	256QAM	1	25	19.10	19.30	19.06	
10	256QAM	1	49	18.99	19.20	19.09	
10	256QAM	25	0	19.23	19.26	19.24	20.5
10	256QAM	25	12	19.15	19.18	19.15	
10	256QAM	25	25	19.09	19.12	19.18	
10	256QAM	50	0	19.07	19.22	19.19	Tune-up limit (dBm)
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.42	20.44	20.52	22
5	QPSK	1	12	20.53	20.46	20.49	
5	QPSK	1	24	20.50	20.49	20.54	
5	QPSK	12	0	20.49	20.52	20.55	22
5	QPSK	12	7	20.60	20.57	20.62	
5	QPSK	12	13	20.59	20.59	20.47	
5	QPSK	25	0	20.48	20.58	20.51	22
5	16QAM	1	0	20.76	20.62	20.64	
5	16QAM	1	12	20.74	20.55	20.64	
5	16QAM	1	24	20.72	20.52	20.50	22
5	16QAM	12	0	20.56	20.48	20.51	
5	16QAM	12	7	20.53	20.47	20.50	
5	16QAM	12	13	20.55	20.47	20.42	22
5	16QAM	25	0	20.50	20.47	20.48	
5	64QAM	1	0	20.56	20.48	20.61	
5	64QAM	1	12	20.61	20.53	20.54	22
5	64QAM	1	24	20.54	20.48	20.47	
5	64QAM	12	0	20.48	20.50	20.58	
5	64QAM	12	7	20.51	20.55	20.45	22
5	64QAM	12	13	20.58	20.55	20.40	
5	64QAM	25	0	20.47	20.51	20.46	
5	256QAM	1	0	19.39	19.23	19.39	20.5
5	256QAM	1	12	19.11	19.28	19.09	
5	256QAM	1	24	19.06	19.20	19.05	
5	256QAM	12	0	19.14	19.24	19.22	20.5
5	256QAM	12	7	19.15	19.22	19.18	
5	256QAM	12	13	19.14	19.07	19.20	
5	256QAM	25	0	19.04	19.17	19.20	Tune-up limit (dBm)
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	20.47	20.49	20.54	22
3	QPSK	1	8	20.57	20.50	20.54	
3	QPSK	1	14	20.52	20.49	20.55	
3	QPSK	8	0	20.54	20.51	20.55	22
3	QPSK	8	4	20.58	20.61	20.56	
3	QPSK	8	7	20.53	20.61	20.49	
3	QPSK	15	0	20.56	20.52	20.54	22
3	16QAM	1	0	20.79	20.68	20.64	
3	16QAM	1	8	20.80	20.60	20.64	
3	16QAM	1	14	20.76	20.60	20.40	22
3	16QAM	8	0	20.54	20.52	20.57	
3	16QAM	8	4	20.50	20.50	20.44	
3	16QAM	8	7	20.53	20.46	20.44	22
3	16QAM	15	0	20.52	20.43	20.45	
3	64QAM	1	0	20.60	20.48	20.57	
3	64QAM	1	8	20.57	20.47	20.55	22
3	64QAM	1	14	20.56	20.47	20.51	
3	64QAM	8	0	20.45	20.56	20.58	
3	64QAM	8	4	20.51	20.55	20.48	22
3	64QAM	8	7	20.62	20.52	20.45	
3	64QAM	15	0	20.54	20.44	20.40	
3	256QAM	1	0	19.33	19.22	19.36	20.5
3	256QAM	1	8	19.10	19.31	19.04	
3	256QAM	1	14	18.98	19.18	19.09	
3	256QAM	8	0	19.20	19.29	19.27	20.5
3	256QAM	8	4	19.16	19.26	19.12	
3	256QAM	8	7	19.11	19.05	19.15	
3	256QAM	15	0	19.08	19.16	19.22	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.50	20.49	20.53	22
1.4	QPSK	1	3	20.56	20.49	20.50	
1.4	QPSK	1	5	20.54	20.54	20.48	
1.4	QPSK	3	0	20.47	20.52	20.53	
1.4	QPSK	3	1	20.55	20.53	20.60	
1.4	QPSK	3	3	20.55	20.58	20.51	
1.4	QPSK	6	0	20.52	20.51	20.59	22
1.4	16QAM	1	0	20.80	20.65	20.63	22
1.4	16QAM	1	3	20.70	20.54	20.63	
1.4	16QAM	1	5	20.81	20.59	20.40	
1.4	16QAM	3	0	20.51	20.47	20.50	
1.4	16QAM	3	1	20.52	20.46	20.51	
1.4	16QAM	3	3	20.56	20.52	20.43	
1.4	16QAM	6	0	20.51	20.49	20.52	22
1.4	64QAM	1	0	20.63	20.43	20.60	22
1.4	64QAM	1	3	20.52	20.51	20.52	
1.4	64QAM	1	5	20.58	20.49	20.49	
1.4	64QAM	3	0	20.54	20.53	20.50	
1.4	64QAM	3	1	20.52	20.63	20.46	
1.4	64QAM	3	3	20.62	20.56	20.45	
1.4	64QAM	6	0	20.46	20.45	20.49	22
1.4	256QAM	1	0	19.33	19.23	19.36	20.5
1.4	256QAM	1	3	19.11	19.30	19.03	
1.4	256QAM	1	5	19.06	19.17	19.03	
1.4	256QAM	3	0	19.17	19.25	19.27	
1.4	256QAM	3	1	19.13	19.20	19.13	
1.4	256QAM	3	3	19.06	19.10	19.18	
1.4	256QAM	6	0	19.03	19.22	19.20	20.5



<LTE Band 4_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			20050	20175	20300		
Frequency (MHz)			1720	1732.5	1745		
20	QPSK	1	0	20.52	20.50	20.57	21.3
20	QPSK	1	49	20.63	20.54	20.58	
20	QPSK	1	99	20.57	20.55	20.55	
20	QPSK	50	0	20.54	20.57	20.63	21.3
20	QPSK	50	24	20.63	20.63	20.62	
20	QPSK	50	50	20.62	20.62	20.52	
20	QPSK	100	0	20.57	20.61	20.59	21.3
20	16QAM	1	0	20.80	20.70	20.69	
20	16QAM	1	49	20.80	20.63	20.66	
20	16QAM	1	99	20.82	20.61	20.50	21.3
20	16QAM	50	0	20.56	20.53	20.57	
20	16QAM	50	24	20.60	20.56	20.54	
20	16QAM	50	50	20.60	20.56	20.46	21.3
20	16QAM	100	0	20.56	20.50	20.54	
20	64QAM	1	0	20.64	20.52	20.66	
20	64QAM	1	49	20.61	20.56	20.62	21.3
20	64QAM	1	99	20.61	20.52	20.56	
20	64QAM	50	0	20.55	20.56	20.59	
20	64QAM	50	24	20.60	20.63	20.55	21.3
20	64QAM	50	50	20.64	20.57	20.46	
20	64QAM	100	0	20.55	20.51	20.49	
20	256QAM	1	0	19.41	19.27	19.41	20.3
20	256QAM	1	49	19.13	19.34	19.11	
20	256QAM	1	99	19.06	19.21	19.12	
20	256QAM	50	0	19.23	19.29	19.28	20.3
20	256QAM	50	24	19.22	19.26	19.20	
20	256QAM	50	50	19.15	19.13	19.23	
20	256QAM	100	0	19.11	19.24	19.25	
Channel			20025	20175	20325	Tune-up limit (dBm)	
Frequency (MHz)			1717.5	1732.5	1747.5		
15	QPSK	1	0	20.47	20.41	20.50	21.3
15	QPSK	1	37	20.59	20.54	20.53	
15	QPSK	1	74	20.57	20.50	20.49	
15	QPSK	36	0	20.49	20.47	20.56	21.3
15	QPSK	36	20	20.56	20.63	20.56	
15	QPSK	36	39	20.56	20.52	20.50	
15	QPSK	75	0	20.55	20.55	20.52	21.3
15	16QAM	1	0	20.70	20.66	20.63	
15	16QAM	1	37	20.73	20.55	20.64	
15	16QAM	1	74	20.73	20.61	20.49	21.3
15	16QAM	36	0	20.51	20.43	20.56	
15	16QAM	36	20	20.58	20.53	20.47	
15	16QAM	36	39	20.58	20.51	20.41	21.3
15	16QAM	75	0	20.55	20.46	20.53	
15	64QAM	1	0	20.63	20.48	20.63	
15	64QAM	1	37	20.59	20.47	20.59	21.3
15	64QAM	1	74	20.53	20.43	20.48	
15	64QAM	36	0	20.50	20.53	20.54	
15	64QAM	36	20	20.50	20.54	20.52	21.3
15	64QAM	36	39	20.58	20.53	20.46	
15	64QAM	75	0	20.51	20.42	20.40	
15	256QAM	1	0	19.34	19.24	19.39	20.3
15	256QAM	1	37	19.05	19.27	19.08	
15	256QAM	1	74	19.03	19.14	19.07	
15	256QAM	36	0	19.13	19.28	19.21	20.3
15	256QAM	36	20	19.16	19.22	19.14	
15	256QAM	36	39	19.10	19.08	19.19	



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15	256QAM	75	0	19.10	19.23	19.17	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.42	20.50	20.56	21.3
10	QPSK	1	25	20.59	20.51	20.53	
10	QPSK	1	49	20.55	20.48	20.45	
10	QPSK	25	0	20.48	20.49	20.60	21.3
10	QPSK	25	12	20.63	20.55	20.62	
10	QPSK	25	25	20.55	20.61	20.43	
10	QPSK	50	0	20.55	20.57	20.55	
10	16QAM	1	0	20.78	20.61	20.60	21.3
10	16QAM	1	25	20.78	20.60	20.66	
10	16QAM	1	49	20.73	20.51	20.46	
10	16QAM	25	0	20.56	20.48	20.52	21.3
10	16QAM	25	12	20.50	20.47	20.46	
10	16QAM	25	25	20.58	20.46	20.40	
10	16QAM	50	0	20.48	20.45	20.46	
10	64QAM	1	0	20.63	20.45	20.63	21.3
10	64QAM	1	25	20.53	20.56	20.55	
10	64QAM	1	49	20.57	20.43	20.48	
10	64QAM	25	0	20.46	20.53	20.52	21.3
10	64QAM	25	12	20.60	20.62	20.52	
10	64QAM	25	25	20.61	20.55	20.43	
10	64QAM	50	0	20.52	20.46	20.40	
10	256QAM	1	0	19.38	19.22	19.35	20.3
10	256QAM	1	25	19.10	19.30	19.06	
10	256QAM	1	49	18.99	19.20	19.09	
10	256QAM	25	0	19.23	19.26	19.24	20.3
10	256QAM	25	12	19.15	19.18	19.15	
10	256QAM	25	25	19.09	19.12	19.18	
10	256QAM	50	0	19.07	19.22	19.19	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.42	20.44	20.52	21.3
5	QPSK	1	12	20.53	20.46	20.49	
5	QPSK	1	24	20.50	20.49	20.54	
5	QPSK	12	0	20.49	20.52	20.55	21.3
5	QPSK	12	7	20.60	20.57	20.62	
5	QPSK	12	13	20.59	20.59	20.47	
5	QPSK	25	0	20.48	20.58	20.51	
5	16QAM	1	0	20.76	20.62	20.64	21.3
5	16QAM	1	12	20.74	20.55	20.64	
5	16QAM	1	24	20.72	20.52	20.50	
5	16QAM	12	0	20.56	20.48	20.51	21.3
5	16QAM	12	7	20.53	20.47	20.50	
5	16QAM	12	13	20.55	20.47	20.42	
5	16QAM	25	0	20.50	20.47	20.48	
5	64QAM	1	0	20.56	20.48	20.61	21.3
5	64QAM	1	12	20.61	20.53	20.54	
5	64QAM	1	24	20.54	20.48	20.47	
5	64QAM	12	0	20.48	20.50	20.58	21.3
5	64QAM	12	7	20.51	20.55	20.45	
5	64QAM	12	13	20.58	20.55	20.40	
5	64QAM	25	0	20.47	20.51	20.46	
5	256QAM	1	0	19.39	19.23	19.39	20.3
5	256QAM	1	12	19.11	19.28	19.09	
5	256QAM	1	24	19.06	19.20	19.05	
5	256QAM	12	0	19.14	19.24	19.22	20.3
5	256QAM	12	7	19.15	19.22	19.18	
5	256QAM	12	13	19.14	19.07	19.20	
5	256QAM	25	0	19.04	19.17	19.20	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	20.47	20.49	20.54	21.3
3	QPSK	1	8	20.57	20.50	20.54	
3	QPSK	1	14	20.52	20.49	20.55	
3	QPSK	8	0	20.54	20.51	20.55	21.3
3	QPSK	8	4	20.58	20.61	20.56	
3	QPSK	8	7	20.53	20.61	20.49	
3	QPSK	15	0	20.56	20.52	20.54	21.3
3	16QAM	1	0	20.79	20.68	20.64	
3	16QAM	1	8	20.80	20.60	20.64	
3	16QAM	1	14	20.76	20.60	20.40	21.3
3	16QAM	8	0	20.54	20.52	20.57	
3	16QAM	8	4	20.50	20.50	20.44	
3	16QAM	8	7	20.53	20.46	20.44	21.3
3	16QAM	15	0	20.52	20.43	20.45	
3	64QAM	1	0	20.60	20.48	20.57	
3	64QAM	1	8	20.57	20.47	20.55	21.3
3	64QAM	1	14	20.56	20.47	20.51	
3	64QAM	8	0	20.45	20.56	20.58	
3	64QAM	8	4	20.51	20.55	20.48	21.3
3	64QAM	8	7	20.62	20.52	20.45	
3	64QAM	15	0	20.54	20.44	20.40	
3	256QAM	1	0	19.33	19.22	19.36	20.3
3	256QAM	1	8	19.10	19.31	19.04	
3	256QAM	1	14	18.98	19.18	19.09	
3	256QAM	8	0	19.20	19.29	19.27	20.3
3	256QAM	8	4	19.16	19.26	19.12	
3	256QAM	8	7	19.11	19.05	19.15	
3	256QAM	15	0	19.08	19.16	19.22	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.50	20.49	20.53	21.3
1.4	QPSK	1	3	20.56	20.49	20.50	
1.4	QPSK	1	5	20.54	20.54	20.48	
1.4	QPSK	3	0	20.47	20.52	20.53	21.3
1.4	QPSK	3	1	20.55	20.53	20.60	
1.4	QPSK	3	3	20.55	20.58	20.51	
1.4	QPSK	6	0	20.52	20.51	20.59	21.3
1.4	16QAM	1	0	20.80	20.65	20.63	
1.4	16QAM	1	3	20.70	20.54	20.63	
1.4	16QAM	1	5	20.81	20.59	20.40	21.3
1.4	16QAM	3	0	20.51	20.47	20.50	
1.4	16QAM	3	1	20.52	20.46	20.51	
1.4	16QAM	3	3	20.56	20.52	20.43	21.3
1.4	16QAM	6	0	20.51	20.49	20.52	
1.4	64QAM	1	0	20.63	20.43	20.60	
1.4	64QAM	1	3	20.52	20.51	20.52	21.3
1.4	64QAM	1	5	20.58	20.49	20.49	
1.4	64QAM	3	0	20.54	20.53	20.50	
1.4	64QAM	3	1	20.52	20.63	20.46	21.3
1.4	64QAM	3	3	20.62	20.56	20.45	
1.4	64QAM	6	0	20.46	20.45	20.49	
1.4	256QAM	1	0	19.33	19.23	19.36	20.3
1.4	256QAM	1	3	19.11	19.30	19.03	
1.4	256QAM	1	5	19.06	19.17	19.03	
1.4	256QAM	3	0	19.17	19.25	19.27	20.3
1.4	256QAM	3	1	19.13	19.20	19.13	
1.4	256QAM	3	3	19.06	19.10	19.18	
1.4	256QAM	6	0	19.03	19.22	19.20	20.3



<LTE Band 4_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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.78	18.88	18.82	19.9
20	QPSK	1	49	18.79	18.87	18.84	
20	QPSK	1	99	18.76	18.78	18.76	
20	QPSK	50	0	18.84	18.87	18.85	19.9
20	QPSK	50	24	18.75	18.85	18.78	
20	QPSK	50	50	18.77	18.80	18.73	
20	QPSK	100	0	18.73	18.80	18.75	19.9
20	16QAM	1	0	18.94	18.95	18.91	
20	16QAM	1	49	18.90	18.91	18.82	
20	16QAM	1	99	18.76	18.86	18.85	19.9
20	16QAM	50	0	18.79	18.86	18.78	
20	16QAM	50	24	18.82	18.84	18.81	
20	16QAM	50	50	18.77	18.84	18.75	19.9
20	16QAM	100	0	18.75	18.81	18.80	
20	64QAM	1	0	18.88	18.90	18.82	
20	64QAM	1	49	18.70	18.78	18.71	19.9
20	64QAM	1	99	18.61	18.70	18.60	
20	64QAM	50	0	18.85	18.87	18.84	
20	64QAM	50	24	18.72	18.75	18.72	19.9
20	64QAM	50	50	18.69	18.76	18.66	
20	64QAM	100	0	18.66	18.73	18.71	
20	256QAM	1	0	18.73	18.78	18.70	19.9
20	256QAM	1	49	18.65	18.75	18.66	
20	256QAM	1	99	18.59	18.69	18.61	
20	256QAM	50	0	18.62	18.70	18.62	19.9
20	256QAM	50	24	18.60	18.66	18.63	
20	256QAM	50	50	18.58	18.60	18.52	
20	256QAM	100	0	18.55	18.62	18.62	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.74	18.83	18.76	19.9
15	QPSK	1	37	18.74	18.80	18.80	
15	QPSK	1	74	18.74	18.78	18.67	
15	QPSK	36	0	18.80	18.86	18.78	19.9
15	QPSK	36	20	18.69	18.78	18.73	
15	QPSK	36	39	18.77	18.77	18.71	
15	QPSK	75	0	18.66	18.78	18.72	19.9
15	16QAM	1	0	18.88	18.88	18.86	
15	16QAM	1	37	18.82	18.86	18.73	
15	16QAM	1	74	18.68	18.76	18.77	19.9
15	16QAM	36	0	18.70	18.77	18.73	
15	16QAM	36	20	18.79	18.80	18.80	
15	16QAM	36	39	18.72	18.80	18.75	19.9
15	16QAM	75	0	18.70	18.81	18.78	
15	64QAM	1	0	18.82	18.86	18.78	
15	64QAM	1	37	18.61	18.70	18.69	19.9
15	64QAM	1	74	18.57	18.70	18.56	
15	64QAM	36	0	18.75	18.78	18.74	
15	64QAM	36	20	18.68	18.71	18.62	19.9
15	64QAM	36	39	18.68	18.66	18.57	
15	64QAM	75	0	18.60	18.73	18.69	
15	256QAM	1	0	18.70	18.73	18.69	19.9
15	256QAM	1	37	18.57	18.73	18.58	
15	256QAM	1	74	18.50	18.63	18.52	
15	256QAM	36	0	18.54	18.68	18.60	19.9
15	256QAM	36	20	18.51	18.61	18.61	
15	256QAM	36	39	18.49	18.58	18.50	



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15	256QAM	75	0	18.51	18.61	18.56	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.73	18.88	18.81	19.9
10	QPSK	1	25	18.71	18.83	18.83	
10	QPSK	1	49	18.76	18.71	18.71	
10	QPSK	25	0	18.82	18.80	18.83	19.9
10	QPSK	25	12	18.75	18.79	18.72	
10	QPSK	25	25	18.73	18.80	18.66	
10	QPSK	50	0	18.71	18.74	18.71	
10	16QAM	1	0	18.84	18.94	18.85	
10	16QAM	1	25	18.90	18.91	18.76	19.9
10	16QAM	1	49	18.71	18.78	18.75	
10	16QAM	25	0	18.78	18.77	18.70	
10	16QAM	25	12	18.82	18.76	18.80	19.9
10	16QAM	25	25	18.73	18.79	18.69	
10	16QAM	50	0	18.68	18.72	18.76	
10	64QAM	1	0	18.85	18.81	18.81	
10	64QAM	1	25	18.64	18.71	18.67	
10	64QAM	1	49	18.56	18.65	18.58	19.9
10	64QAM	25	0	18.75	18.81	18.82	
10	64QAM	25	12	18.62	18.67	18.69	
10	64QAM	25	25	18.61	18.71	18.56	
10	64QAM	50	0	18.59	18.73	18.69	
10	256QAM	1	0	18.71	18.69	18.60	19.9
10	256QAM	1	25	18.59	18.67	18.63	
10	256QAM	1	49	18.59	18.61	18.57	
10	256QAM	25	0	18.56	18.66	18.55	19.9
10	256QAM	25	12	18.53	18.60	18.53	
10	256QAM	25	25	18.50	18.51	18.48	
10	256QAM	50	0	18.53	18.62	18.56	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.72	18.82	18.72	19.9
5	QPSK	1	12	18.71	18.80	18.75	
5	QPSK	1	24	18.73	18.78	18.68	
5	QPSK	12	0	18.76	18.82	18.77	19.9
5	QPSK	12	7	18.71	18.82	18.78	
5	QPSK	12	13	18.71	18.70	18.67	
5	QPSK	25	0	18.64	18.74	18.74	
5	16QAM	1	0	18.91	18.93	18.87	
5	16QAM	1	12	18.80	18.89	18.77	19.9
5	16QAM	1	24	18.74	18.86	18.80	
5	16QAM	12	0	18.70	18.82	18.74	
5	16QAM	12	7	18.81	18.84	18.78	19.9
5	16QAM	12	13	18.69	18.80	18.72	
5	16QAM	25	0	18.65	18.75	18.74	
5	64QAM	1	0	18.82	18.90	18.75	
5	64QAM	1	12	18.63	18.74	18.61	
5	64QAM	1	24	18.56	18.64	18.57	19.9
5	64QAM	12	0	18.82	18.85	18.83	
5	64QAM	12	7	18.65	18.75	18.72	
5	64QAM	12	13	18.60	18.69	18.59	
5	64QAM	25	0	18.58	18.70	18.64	
5	256QAM	1	0	18.69	18.68	18.61	19.9
5	256QAM	1	12	18.56	18.69	18.64	
5	256QAM	1	24	18.51	18.59	18.61	
5	256QAM	12	0	18.60	18.62	18.55	19.9
5	256QAM	12	7	18.54	18.66	18.63	
5	256QAM	12	13	18.50	18.60	18.51	
5	256QAM	25	0	18.52	18.62	18.59	
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	18.78	18.80	18.75	19.9
3	QPSK	1	8	18.72	18.85	18.75	
3	QPSK	1	14	18.71	18.76	18.74	
3	QPSK	8	0	18.79	18.77	18.83	19.9
3	QPSK	8	4	18.75	18.76	18.71	
3	QPSK	8	7	18.68	18.74	18.68	
3	QPSK	15	0	18.65	18.78	18.68	19.9
3	16QAM	1	0	18.91	18.89	18.87	
3	16QAM	1	8	18.87	18.82	18.79	
3	16QAM	1	14	18.69	18.79	18.79	19.9
3	16QAM	8	0	18.72	18.78	18.77	
3	16QAM	8	4	18.78	18.84	18.75	
3	16QAM	8	7	18.69	18.74	18.70	19.9
3	16QAM	15	0	18.70	18.71	18.72	
3	64QAM	1	0	18.88	18.87	18.74	
3	64QAM	1	8	18.66	18.78	18.67	19.9
3	64QAM	1	14	18.61	18.69	18.54	
3	64QAM	8	0	18.75	18.86	18.75	
3	64QAM	8	4	18.68	18.72	18.67	19.9
3	64QAM	8	7	18.61	18.68	18.60	
3	64QAM	15	0	18.66	18.72	18.70	
3	256QAM	1	0	18.68	18.73	18.64	19.9
3	256QAM	1	8	18.60	18.72	18.62	
3	256QAM	1	14	18.56	18.66	18.55	
3	256QAM	8	0	18.56	18.60	18.53	19.9
3	256QAM	8	4	18.60	18.56	18.60	
3	256QAM	8	7	18.57	18.58	18.42	
3	256QAM	15	0	18.50	18.61	18.55	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.78	18.80	18.76	19.9
1.4	QPSK	1	3	18.69	18.85	18.77	
1.4	QPSK	1	5	18.69	18.76	18.71	
1.4	QPSK	3	0	18.76	18.87	18.85	19.9
1.4	QPSK	3	1	18.70	18.76	18.77	
1.4	QPSK	3	3	18.68	18.80	18.68	
1.4	QPSK	6	0	18.71	18.75	18.72	
1.4	16QAM	1	0	18.88	18.92	18.91	19.9
1.4	16QAM	1	3	18.85	18.82	18.79	
1.4	16QAM	1	5	18.73	18.78	18.80	
1.4	16QAM	3	0	18.71	18.85	18.68	19.9
1.4	16QAM	3	1	18.75	18.78	18.75	
1.4	16QAM	3	3	18.69	18.75	18.69	
1.4	16QAM	6	0	18.66	18.78	18.76	
1.4	64QAM	1	0	18.88	18.81	18.82	19.9
1.4	64QAM	1	3	18.61	18.75	18.68	
1.4	64QAM	1	5	18.52	18.69	18.59	
1.4	64QAM	3	0	18.85	18.79	18.75	19.9
1.4	64QAM	3	1	18.62	18.72	18.69	
1.4	64QAM	3	3	18.62	18.70	18.56	
1.4	64QAM	6	0	18.61	18.63	18.70	
1.4	256QAM	1	0	18.73	18.73	18.62	19.9
1.4	256QAM	1	3	18.59	18.65	18.59	
1.4	256QAM	1	5	18.53	18.69	18.55	
1.4	256QAM	3	0	18.56	18.67	18.61	19.9
1.4	256QAM	3	1	18.51	18.64	18.58	
1.4	256QAM	3	3	18.52	18.58	18.43	
1.4	256QAM	6	0	18.49	18.60	18.55	



<LTE Band 4_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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.78	18.88	18.82	19.2
20	QPSK	1	49	18.79	18.87	18.84	
20	QPSK	1	99	18.76	18.78	18.76	
20	QPSK	50	0	18.84	18.87	18.85	19.2
20	QPSK	50	24	18.75	18.85	18.78	
20	QPSK	50	50	18.77	18.80	18.73	
20	QPSK	100	0	18.73	18.80	18.75	19.2
20	16QAM	1	0	18.94	18.95	18.91	
20	16QAM	1	49	18.90	18.91	18.82	
20	16QAM	1	99	18.76	18.86	18.85	19.2
20	16QAM	50	0	18.79	18.86	18.78	
20	16QAM	50	24	18.82	18.84	18.81	
20	16QAM	50	50	18.77	18.84	18.75	19.2
20	16QAM	100	0	18.75	18.81	18.80	
20	64QAM	1	0	18.88	18.90	18.82	
20	64QAM	1	49	18.70	18.78	18.71	19.2
20	64QAM	1	99	18.61	18.70	18.60	
20	64QAM	50	0	18.85	18.87	18.84	
20	64QAM	50	24	18.72	18.75	18.72	19.2
20	64QAM	50	50	18.69	18.76	18.66	
20	64QAM	100	0	18.66	18.73	18.71	
20	256QAM	1	0	18.73	18.78	18.70	19.2
20	256QAM	1	49	18.65	18.75	18.66	
20	256QAM	1	99	18.59	18.69	18.61	
20	256QAM	50	0	18.62	18.70	18.62	19.2
20	256QAM	50	24	18.60	18.66	18.63	
20	256QAM	50	50	18.58	18.60	18.52	
20	256QAM	100	0	18.55	18.62	18.62	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.74	18.83	18.76	19.2
15	QPSK	1	37	18.74	18.80	18.80	
15	QPSK	1	74	18.74	18.78	18.67	
15	QPSK	36	0	18.80	18.86	18.78	19.2
15	QPSK	36	20	18.69	18.78	18.73	
15	QPSK	36	39	18.77	18.77	18.71	
15	QPSK	75	0	18.66	18.78	18.72	19.2
15	16QAM	1	0	18.88	18.88	18.86	
15	16QAM	1	37	18.82	18.86	18.73	
15	16QAM	1	74	18.68	18.76	18.77	19.2
15	16QAM	36	0	18.70	18.77	18.73	
15	16QAM	36	20	18.79	18.80	18.80	
15	16QAM	36	39	18.72	18.80	18.75	19.2
15	16QAM	75	0	18.70	18.81	18.78	
15	64QAM	1	0	18.82	18.86	18.78	
15	64QAM	1	37	18.61	18.70	18.69	19.2
15	64QAM	1	74	18.57	18.70	18.56	
15	64QAM	36	0	18.75	18.78	18.74	
15	64QAM	36	20	18.68	18.71	18.62	19.2
15	64QAM	36	39	18.68	18.66	18.57	
15	64QAM	75	0	18.60	18.73	18.69	
15	256QAM	1	0	18.70	18.73	18.69	19.2
15	256QAM	1	37	18.57	18.73	18.58	
15	256QAM	1	74	18.50	18.63	18.52	
15	256QAM	36	0	18.54	18.68	18.60	19.2
15	256QAM	36	20	18.51	18.61	18.61	
15	256QAM	36	39	18.49	18.58	18.50	



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15	256QAM	75	0	18.51	18.61	18.56	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.73	18.88	18.81	19.2
10	QPSK	1	25	18.71	18.83	18.83	
10	QPSK	1	49	18.76	18.71	18.71	
10	QPSK	25	0	18.82	18.80	18.83	19.2
10	QPSK	25	12	18.75	18.79	18.72	
10	QPSK	25	25	18.73	18.80	18.66	
10	QPSK	50	0	18.71	18.74	18.71	
10	16QAM	1	0	18.84	18.94	18.85	
10	16QAM	1	25	18.90	18.91	18.76	19.2
10	16QAM	1	49	18.71	18.78	18.75	
10	16QAM	25	0	18.78	18.77	18.70	
10	16QAM	25	12	18.82	18.76	18.80	19.2
10	16QAM	25	25	18.73	18.79	18.69	
10	16QAM	50	0	18.68	18.72	18.76	
10	64QAM	1	0	18.85	18.81	18.81	
10	64QAM	1	25	18.64	18.71	18.67	
10	64QAM	1	49	18.56	18.65	18.58	19.2
10	64QAM	25	0	18.75	18.81	18.82	
10	64QAM	25	12	18.62	18.67	18.69	
10	64QAM	25	25	18.61	18.71	18.56	
10	64QAM	50	0	18.59	18.73	18.69	
10	256QAM	1	0	18.71	18.69	18.60	19.2
10	256QAM	1	25	18.59	18.67	18.63	
10	256QAM	1	49	18.59	18.61	18.57	
10	256QAM	25	0	18.56	18.66	18.55	19.2
10	256QAM	25	12	18.53	18.60	18.53	
10	256QAM	25	25	18.50	18.51	18.48	
10	256QAM	50	0	18.53	18.62	18.56	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.72	18.82	18.72	19.2
5	QPSK	1	12	18.71	18.80	18.75	
5	QPSK	1	24	18.73	18.78	18.68	
5	QPSK	12	0	18.76	18.82	18.77	19.2
5	QPSK	12	7	18.71	18.82	18.78	
5	QPSK	12	13	18.71	18.70	18.67	
5	QPSK	25	0	18.64	18.74	18.74	
5	16QAM	1	0	18.91	18.93	18.87	
5	16QAM	1	12	18.80	18.89	18.77	19.2
5	16QAM	1	24	18.74	18.86	18.80	
5	16QAM	12	0	18.70	18.82	18.74	
5	16QAM	12	7	18.81	18.84	18.78	19.2
5	16QAM	12	13	18.69	18.80	18.72	
5	16QAM	25	0	18.65	18.75	18.74	
5	64QAM	1	0	18.82	18.90	18.75	
5	64QAM	1	12	18.63	18.74	18.61	
5	64QAM	1	24	18.56	18.64	18.57	19.2
5	64QAM	12	0	18.82	18.85	18.83	
5	64QAM	12	7	18.65	18.75	18.72	
5	64QAM	12	13	18.60	18.69	18.59	
5	64QAM	25	0	18.58	18.70	18.64	
5	256QAM	1	0	18.69	18.68	18.61	19.2
5	256QAM	1	12	18.56	18.69	18.64	
5	256QAM	1	24	18.51	18.59	18.61	
5	256QAM	12	0	18.60	18.62	18.55	19.2
5	256QAM	12	7	18.54	18.66	18.63	
5	256QAM	12	13	18.50	18.60	18.51	
5	256QAM	25	0	18.52	18.62	18.59	
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	18.78	18.80	18.75	19.2	
3	QPSK	1	8	18.72	18.85	18.75		
3	QPSK	1	14	18.71	18.76	18.74		
3	QPSK	8	0	18.79	18.77	18.83	19.2	
3	QPSK	8	4	18.75	18.76	18.71		
3	QPSK	8	7	18.68	18.74	18.68		
3	QPSK	15	0	18.65	18.78	18.68	19.2	
3	16QAM	1	0	18.91	18.89	18.87		
3	16QAM	1	8	18.87	18.82	18.79		
3	16QAM	1	14	18.69	18.79	18.79	19.2	
3	16QAM	8	0	18.72	18.78	18.77		
3	16QAM	8	4	18.78	18.84	18.75		
3	16QAM	8	7	18.69	18.74	18.70	19.2	
3	16QAM	15	0	18.70	18.71	18.72		
3	64QAM	1	0	18.88	18.87	18.74		
3	64QAM	1	8	18.66	18.78	18.67	19.2	
3	64QAM	1	14	18.61	18.69	18.54		
3	64QAM	8	0	18.75	18.86	18.75		
3	64QAM	8	4	18.68	18.72	18.67	19.2	
3	64QAM	8	7	18.61	18.68	18.60		
3	64QAM	15	0	18.66	18.72	18.70		
3	256QAM	1	0	18.68	18.73	18.64	19.2	
3	256QAM	1	8	18.60	18.72	18.62		
3	256QAM	1	14	18.56	18.66	18.55		
3	256QAM	8	0	18.56	18.60	18.53	19.2	
3	256QAM	8	4	18.60	18.56	18.60		
3	256QAM	8	7	18.57	18.58	18.42		
3	256QAM	15	0	18.50	18.61	18.55	19.2	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.78	18.80	18.76	19.2	
1.4	QPSK	1	3	18.69	18.85	18.77		
1.4	QPSK	1	5	18.69	18.76	18.71		
1.4	QPSK	3	0	18.76	18.87	18.85	19.2	
1.4	QPSK	3	1	18.70	18.76	18.77		
1.4	QPSK	3	3	18.68	18.80	18.68		
1.4	QPSK	6	0	18.71	18.75	18.72	19.2	
1.4	16QAM	1	0	18.88	18.92	18.91		
1.4	16QAM	1	3	18.85	18.82	18.79		
1.4	16QAM	1	5	18.73	18.78	18.80	19.2	
1.4	16QAM	3	0	18.71	18.85	18.68		
1.4	16QAM	3	1	18.75	18.78	18.75		
1.4	16QAM	3	3	18.69	18.75	18.69	19.2	
1.4	16QAM	6	0	18.66	18.78	18.76		
1.4	64QAM	1	0	18.88	18.81	18.82		
1.4	64QAM	1	3	18.61	18.75	18.68	19.2	
1.4	64QAM	1	5	18.52	18.69	18.59		
1.4	64QAM	3	0	18.85	18.79	18.75		
1.4	64QAM	3	1	18.62	18.72	18.69	19.2	
1.4	64QAM	3	3	18.62	18.70	18.56		
1.4	64QAM	6	0	18.61	18.63	18.70		
1.4	256QAM	1	0	18.73	18.73	18.62	19.2	
1.4	256QAM	1	3	18.59	18.65	18.59		
1.4	256QAM	1	5	18.53	18.69	18.55		
1.4	256QAM	3	0	18.56	18.67	18.61	19.2	
1.4	256QAM	3	1	18.51	18.64	18.58		
1.4	256QAM	3	3	18.52	18.58	18.43		
1.4	256QAM	6	0	18.49	18.60	18.55	19.2	



<LTE Band 4_Ant 5_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	20.28	20.38	20.32	20.5
20	QPSK	1	49	20.29	20.37	20.34	
20	QPSK	1	99	20.26	20.28	20.26	
20	QPSK	50	0	20.34	20.37	20.35	20.5
20	QPSK	50	24	20.25	20.35	20.28	
20	QPSK	50	50	20.27	20.30	20.23	
20	QPSK	100	0	20.23	20.30	20.25	20.5
20	16QAM	1	0	20.44	20.45	20.41	
20	16QAM	1	49	20.40	20.41	20.32	
20	16QAM	1	99	20.26	20.36	20.35	20.5
20	16QAM	50	0	20.29	20.36	20.28	
20	16QAM	50	24	20.32	20.34	20.31	
20	16QAM	50	50	20.27	20.34	20.25	20.5
20	16QAM	100	0	20.25	20.31	20.30	
20	64QAM	1	0	20.38	20.40	20.32	
20	64QAM	1	49	20.20	20.28	20.21	20.5
20	64QAM	1	99	20.11	20.20	20.10	
20	64QAM	50	0	20.35	20.37	20.34	
20	64QAM	50	24	20.22	20.25	20.22	20.5
20	64QAM	50	50	20.19	20.26	20.16	
20	64QAM	100	0	20.16	20.23	20.21	
20	256QAM	1	0	19.03	19.08	19.00	20.3
20	256QAM	1	49	18.95	19.05	18.96	
20	256QAM	1	99	18.89	18.99	18.91	
20	256QAM	50	0	18.92	19.00	18.92	20.3
20	256QAM	50	24	18.90	18.96	18.93	
20	256QAM	50	50	18.88	18.90	18.82	
20	256QAM	100	0	18.85	18.92	18.92	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.24	20.33	20.26	20.5
15	QPSK	1	37	20.24	20.30	20.30	
15	QPSK	1	74	20.24	20.28	20.17	
15	QPSK	36	0	20.30	20.36	20.28	20.5
15	QPSK	36	20	20.19	20.28	20.23	
15	QPSK	36	39	20.27	20.27	20.21	
15	QPSK	75	0	20.16	20.28	20.22	20.5
15	16QAM	1	0	20.38	20.38	20.36	
15	16QAM	1	37	20.32	20.36	20.23	
15	16QAM	1	74	20.18	20.26	20.27	20.5
15	16QAM	36	0	20.20	20.27	20.23	
15	16QAM	36	20	20.29	20.30	20.30	
15	16QAM	36	39	20.22	20.30	20.25	20.5
15	16QAM	75	0	20.20	20.31	20.28	
15	64QAM	1	0	20.32	20.36	20.28	
15	64QAM	1	37	20.11	20.20	20.19	20.5
15	64QAM	1	74	20.07	20.20	20.06	
15	64QAM	36	0	20.25	20.28	20.24	
15	64QAM	36	20	20.18	20.21	20.12	20.5
15	64QAM	36	39	20.18	20.16	20.07	
15	64QAM	75	0	20.10	20.23	20.19	
15	256QAM	1	0	19.00	19.03	18.99	20.3
15	256QAM	1	37	18.87	19.03	18.88	
15	256QAM	1	74	18.80	18.93	18.82	
15	256QAM	36	0	18.84	18.98	18.90	20.3
15	256QAM	36	20	18.81	18.91	18.91	
15	256QAM	36	39	18.79	18.88	18.80	



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15	256QAM	75	0	18.81	18.91	18.86	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.23	20.38	20.31	20.5
10	QPSK	1	25	20.21	20.33	20.33	
10	QPSK	1	49	20.26	20.21	20.21	
10	QPSK	25	0	20.32	20.30	20.33	20.5
10	QPSK	25	12	20.25	20.29	20.22	
10	QPSK	25	25	20.23	20.30	20.16	
10	QPSK	50	0	20.21	20.24	20.21	
10	16QAM	1	0	20.34	20.44	20.35	20.5
10	16QAM	1	25	20.40	20.41	20.26	
10	16QAM	1	49	20.21	20.28	20.25	
10	16QAM	25	0	20.28	20.27	20.20	20.5
10	16QAM	25	12	20.32	20.26	20.30	
10	16QAM	25	25	20.23	20.29	20.19	
10	16QAM	50	0	20.18	20.22	20.26	
10	64QAM	1	0	20.35	20.31	20.31	20.5
10	64QAM	1	25	20.14	20.21	20.17	
10	64QAM	1	49	20.06	20.15	20.08	
10	64QAM	25	0	20.25	20.31	20.32	20.5
10	64QAM	25	12	20.12	20.17	20.19	
10	64QAM	25	25	20.11	20.21	20.06	
10	64QAM	50	0	20.09	20.23	20.19	
10	256QAM	1	0	19.01	18.99	18.90	20.3
10	256QAM	1	25	18.89	18.97	18.93	
10	256QAM	1	49	18.89	18.91	18.87	
10	256QAM	25	0	18.86	18.96	18.85	20.3
10	256QAM	25	12	18.83	18.90	18.83	
10	256QAM	25	25	18.80	18.81	18.78	
10	256QAM	50	0	18.83	18.92	18.86	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.22	20.32	20.22	20.5
5	QPSK	1	12	20.21	20.30	20.25	
5	QPSK	1	24	20.23	20.28	20.18	
5	QPSK	12	0	20.26	20.32	20.27	20.5
5	QPSK	12	7	20.21	20.32	20.28	
5	QPSK	12	13	20.21	20.20	20.17	
5	QPSK	25	0	20.14	20.24	20.24	
5	16QAM	1	0	20.41	20.43	20.37	20.5
5	16QAM	1	12	20.30	20.39	20.27	
5	16QAM	1	24	20.24	20.36	20.30	
5	16QAM	12	0	20.20	20.32	20.24	20.5
5	16QAM	12	7	20.31	20.34	20.28	
5	16QAM	12	13	20.19	20.30	20.22	
5	16QAM	25	0	20.15	20.25	20.24	
5	64QAM	1	0	20.32	20.40	20.25	20.5
5	64QAM	1	12	20.13	20.24	20.11	
5	64QAM	1	24	20.06	20.14	20.07	
5	64QAM	12	0	20.32	20.35	20.33	20.5
5	64QAM	12	7	20.15	20.25	20.22	
5	64QAM	12	13	20.10	20.19	20.09	
5	64QAM	25	0	20.08	20.20	20.14	
5	256QAM	1	0	18.99	18.98	18.91	20.3
5	256QAM	1	12	18.86	18.99	18.94	
5	256QAM	1	24	18.81	18.89	18.91	
5	256QAM	12	0	18.90	18.92	18.85	20.3
5	256QAM	12	7	18.84	18.96	18.93	
5	256QAM	12	13	18.80	18.90	18.81	
5	256QAM	25	0	18.82	18.92	18.89	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	20.28	20.30	20.25	20.5	
3	QPSK	1	8	20.22	20.35	20.25		
3	QPSK	1	14	20.21	20.26	20.24		
3	QPSK	8	0	20.29	20.27	20.33	20.5	
3	QPSK	8	4	20.25	20.26	20.21		
3	QPSK	8	7	20.18	20.24	20.18		
3	QPSK	15	0	20.15	20.28	20.18	20.5	
3	16QAM	1	0	20.41	20.39	20.37		
3	16QAM	1	8	20.37	20.32	20.29		
3	16QAM	1	14	20.19	20.29	20.29	20.5	
3	16QAM	8	0	20.22	20.28	20.27		
3	16QAM	8	4	20.28	20.34	20.25		
3	16QAM	8	7	20.19	20.24	20.20	20.5	
3	16QAM	15	0	20.20	20.21	20.22		
3	64QAM	1	0	20.38	20.37	20.24		
3	64QAM	1	8	20.16	20.28	20.17	20.5	
3	64QAM	1	14	20.11	20.19	20.04		
3	64QAM	8	0	20.25	20.36	20.25		
3	64QAM	8	4	20.18	20.22	20.17	20.5	
3	64QAM	8	7	20.11	20.18	20.10		
3	64QAM	15	0	20.16	20.22	20.20		
3	256QAM	1	0	18.98	19.03	18.94	20.3	
3	256QAM	1	8	18.90	19.02	18.92		
3	256QAM	1	14	18.86	18.96	18.85		
3	256QAM	8	0	18.86	18.90	18.83	20.3	
3	256QAM	8	4	18.90	18.86	18.90		
3	256QAM	8	7	18.87	18.88	18.72		
3	256QAM	15	0	18.80	18.91	18.85	20.3	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.28	20.30	20.26	20.5	
1.4	QPSK	1	3	20.19	20.35	20.27		
1.4	QPSK	1	5	20.19	20.26	20.21		
1.4	QPSK	3	0	20.26	20.37	20.35	20.5	
1.4	QPSK	3	1	20.20	20.26	20.27		
1.4	QPSK	3	3	20.18	20.30	20.18		
1.4	QPSK	6	0	20.21	20.25	20.22	20.5	
1.4	16QAM	1	0	20.38	20.42	20.41		
1.4	16QAM	1	3	20.35	20.32	20.29		
1.4	16QAM	1	5	20.23	20.28	20.30	20.5	
1.4	16QAM	3	0	20.21	20.35	20.18		
1.4	16QAM	3	1	20.25	20.28	20.25		
1.4	16QAM	3	3	20.19	20.25	20.19	20.5	
1.4	16QAM	6	0	20.16	20.28	20.26		
1.4	64QAM	1	0	20.38	20.31	20.32		
1.4	64QAM	1	3	20.11	20.25	20.18	20.5	
1.4	64QAM	1	5	20.02	20.19	20.09		
1.4	64QAM	3	0	20.35	20.29	20.25		
1.4	64QAM	3	1	20.12	20.22	20.19	20.5	
1.4	64QAM	3	3	20.12	20.20	20.06		
1.4	64QAM	6	0	20.11	20.13	20.20		
1.4	256QAM	1	0	19.03	19.03	18.92	20.3	
1.4	256QAM	1	3	18.89	18.95	18.89		
1.4	256QAM	1	5	18.83	18.99	18.85		
1.4	256QAM	3	0	18.86	18.97	18.91	20.3	
1.4	256QAM	3	1	18.81	18.94	18.88		
1.4	256QAM	3	3	18.82	18.88	18.73		
1.4	256QAM	6	0	18.79	18.90	18.85	20.3	



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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	20.28	20.38	20.32	21.2
20	QPSK	1	49	20.29	20.37	20.34	
20	QPSK	1	99	20.26	20.28	20.26	
20	QPSK	50	0	20.34	20.37	20.35	21.2
20	QPSK	50	24	20.25	20.35	20.28	
20	QPSK	50	50	20.27	20.30	20.23	
20	QPSK	100	0	20.23	20.30	20.25	
20	16QAM	1	0	20.44	20.45	20.41	21.2
20	16QAM	1	49	20.40	20.41	20.32	
20	16QAM	1	99	20.26	20.36	20.35	
20	16QAM	50	0	20.29	20.36	20.28	21.2
20	16QAM	50	24	20.32	20.34	20.31	
20	16QAM	50	50	20.27	20.34	20.25	
20	16QAM	100	0	20.25	20.31	20.30	
20	64QAM	1	0	20.38	20.40	20.32	21.2
20	64QAM	1	49	20.20	20.28	20.21	
20	64QAM	1	99	20.11	20.20	20.10	
20	64QAM	50	0	20.35	20.37	20.34	21.2
20	64QAM	50	24	20.22	20.25	20.22	
20	64QAM	50	50	20.19	20.26	20.16	
20	64QAM	100	0	20.16	20.23	20.21	
20	256QAM	1	0	19.03	19.08	19.00	20.3
20	256QAM	1	49	18.95	19.05	18.96	
20	256QAM	1	99	18.89	18.99	18.91	
20	256QAM	50	0	18.92	19.00	18.92	20.3
20	256QAM	50	24	18.90	18.96	18.93	
20	256QAM	50	50	18.88	18.90	18.82	
20	256QAM	100	0	18.85	18.92	18.92	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.24	20.33	20.26	21.2
15	QPSK	1	37	20.24	20.30	20.30	
15	QPSK	1	74	20.24	20.28	20.17	
15	QPSK	36	0	20.30	20.36	20.28	21.2
15	QPSK	36	20	20.19	20.28	20.23	
15	QPSK	36	39	20.27	20.27	20.21	
15	QPSK	75	0	20.16	20.28	20.22	
15	16QAM	1	0	20.38	20.38	20.36	21.2
15	16QAM	1	37	20.32	20.36	20.23	
15	16QAM	1	74	20.18	20.26	20.27	
15	16QAM	36	0	20.20	20.27	20.23	21.2
15	16QAM	36	20	20.29	20.30	20.30	
15	16QAM	36	39	20.22	20.30	20.25	
15	16QAM	75	0	20.20	20.31	20.28	
15	64QAM	1	0	20.32	20.36	20.28	21.2
15	64QAM	1	37	20.11	20.20	20.19	
15	64QAM	1	74	20.07	20.20	20.06	
15	64QAM	36	0	20.25	20.28	20.24	21.2
15	64QAM	36	20	20.18	20.21	20.12	
15	64QAM	36	39	20.18	20.16	20.07	
15	64QAM	75	0	20.10	20.23	20.19	
15	256QAM	1	0	19.00	19.03	18.99	20.3
15	256QAM	1	37	18.87	19.03	18.88	
15	256QAM	1	74	18.80	18.93	18.82	
15	256QAM	36	0	18.84	18.98	18.90	20.3
15	256QAM	36	20	18.81	18.91	18.91	
15	256QAM	36	39	18.79	18.88	18.80	



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15	256QAM	75	0	18.81	18.91	18.86	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.23	20.38	20.31	21.2
10	QPSK	1	25	20.21	20.33	20.33	
10	QPSK	1	49	20.26	20.21	20.21	
10	QPSK	25	0	20.32	20.30	20.33	21.2
10	QPSK	25	12	20.25	20.29	20.22	
10	QPSK	25	25	20.23	20.30	20.16	
10	QPSK	50	0	20.21	20.24	20.21	
10	16QAM	1	0	20.34	20.44	20.35	21.2
10	16QAM	1	25	20.40	20.41	20.26	
10	16QAM	1	49	20.21	20.28	20.25	
10	16QAM	25	0	20.28	20.27	20.20	21.2
10	16QAM	25	12	20.32	20.26	20.30	
10	16QAM	25	25	20.23	20.29	20.19	
10	16QAM	50	0	20.18	20.22	20.26	
10	64QAM	1	0	20.35	20.31	20.31	21.2
10	64QAM	1	25	20.14	20.21	20.17	
10	64QAM	1	49	20.06	20.15	20.08	
10	64QAM	25	0	20.25	20.31	20.32	21.2
10	64QAM	25	12	20.12	20.17	20.19	
10	64QAM	25	25	20.11	20.21	20.06	
10	64QAM	50	0	20.09	20.23	20.19	
10	256QAM	1	0	19.01	18.99	18.90	20.3
10	256QAM	1	25	18.89	18.97	18.93	
10	256QAM	1	49	18.89	18.91	18.87	
10	256QAM	25	0	18.86	18.96	18.85	20.3
10	256QAM	25	12	18.83	18.90	18.83	
10	256QAM	25	25	18.80	18.81	18.78	
10	256QAM	50	0	18.83	18.92	18.86	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.22	20.32	20.22	21.2
5	QPSK	1	12	20.21	20.30	20.25	
5	QPSK	1	24	20.23	20.28	20.18	
5	QPSK	12	0	20.26	20.32	20.27	21.2
5	QPSK	12	7	20.21	20.32	20.28	
5	QPSK	12	13	20.21	20.20	20.17	
5	QPSK	25	0	20.14	20.24	20.24	
5	16QAM	1	0	20.41	20.43	20.37	21.2
5	16QAM	1	12	20.30	20.39	20.27	
5	16QAM	1	24	20.24	20.36	20.30	
5	16QAM	12	0	20.20	20.32	20.24	21.2
5	16QAM	12	7	20.31	20.34	20.28	
5	16QAM	12	13	20.19	20.30	20.22	
5	16QAM	25	0	20.15	20.25	20.24	
5	64QAM	1	0	20.32	20.40	20.25	21.2
5	64QAM	1	12	20.13	20.24	20.11	
5	64QAM	1	24	20.06	20.14	20.07	
5	64QAM	12	0	20.32	20.35	20.33	21.2
5	64QAM	12	7	20.15	20.25	20.22	
5	64QAM	12	13	20.10	20.19	20.09	
5	64QAM	25	0	20.08	20.20	20.14	
5	256QAM	1	0	18.99	18.98	18.91	20.3
5	256QAM	1	12	18.86	18.99	18.94	
5	256QAM	1	24	18.81	18.89	18.91	
5	256QAM	12	0	18.90	18.92	18.85	20.3
5	256QAM	12	7	18.84	18.96	18.93	
5	256QAM	12	13	18.80	18.90	18.81	
5	256QAM	25	0	18.82	18.92	18.89	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	20.28	20.30	20.25	21.2	
3	QPSK	1	8	20.22	20.35	20.25		
3	QPSK	1	14	20.21	20.26	20.24		
3	QPSK	8	0	20.29	20.27	20.33	21.2	
3	QPSK	8	4	20.25	20.26	20.21		
3	QPSK	8	7	20.18	20.24	20.18		
3	QPSK	15	0	20.15	20.28	20.18	21.2	
3	16QAM	1	0	20.41	20.39	20.37		
3	16QAM	1	8	20.37	20.32	20.29		
3	16QAM	1	14	20.19	20.29	20.29	21.2	
3	16QAM	8	0	20.22	20.28	20.27		
3	16QAM	8	4	20.28	20.34	20.25		
3	16QAM	8	7	20.19	20.24	20.20	21.2	
3	16QAM	15	0	20.20	20.21	20.22		
3	64QAM	1	0	20.38	20.37	20.24		
3	64QAM	1	8	20.16	20.28	20.17	21.2	
3	64QAM	1	14	20.11	20.19	20.04		
3	64QAM	8	0	20.25	20.36	20.25		
3	64QAM	8	4	20.18	20.22	20.17	21.2	
3	64QAM	8	7	20.11	20.18	20.10		
3	64QAM	15	0	20.16	20.22	20.20		
3	256QAM	1	0	18.98	19.03	18.94	20.3	
3	256QAM	1	8	18.90	19.02	18.92		
3	256QAM	1	14	18.86	18.96	18.85		
3	256QAM	8	0	18.86	18.90	18.83	20.3	
3	256QAM	8	4	18.90	18.86	18.90		
3	256QAM	8	7	18.87	18.88	18.72		
3	256QAM	15	0	18.80	18.91	18.85	20.3	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.28	20.30	20.26	21.2	
1.4	QPSK	1	3	20.19	20.35	20.27		
1.4	QPSK	1	5	20.19	20.26	20.21		
1.4	QPSK	3	0	20.26	20.37	20.35	21.2	
1.4	QPSK	3	1	20.20	20.26	20.27		
1.4	QPSK	3	3	20.18	20.30	20.18		
1.4	QPSK	6	0	20.21	20.25	20.22	21.2	
1.4	16QAM	1	0	20.38	20.42	20.41		
1.4	16QAM	1	3	20.35	20.32	20.29		
1.4	16QAM	1	5	20.23	20.28	20.30	21.2	
1.4	16QAM	3	0	20.21	20.35	20.18		
1.4	16QAM	3	1	20.25	20.28	20.25		
1.4	16QAM	3	3	20.19	20.25	20.19	21.2	
1.4	16QAM	6	0	20.16	20.28	20.26		
1.4	64QAM	1	0	20.38	20.31	20.32		
1.4	64QAM	1	3	20.11	20.25	20.18	21.2	
1.4	64QAM	1	5	20.02	20.19	20.09		
1.4	64QAM	3	0	20.35	20.29	20.25		
1.4	64QAM	3	1	20.12	20.22	20.19	21.2	
1.4	64QAM	3	3	20.12	20.20	20.06		
1.4	64QAM	6	0	20.11	20.13	20.20		
1.4	256QAM	1	0	19.03	19.03	18.92	20.3	
1.4	256QAM	1	3	18.89	18.95	18.89		
1.4	256QAM	1	5	18.83	18.99	18.85		
1.4	256QAM	3	0	18.86	18.97	18.91	20.3	
1.4	256QAM	3	1	18.81	18.94	18.88		
1.4	256QAM	3	3	18.82	18.88	18.73		
1.4	256QAM	6	0	18.79	18.90	18.85	20.3	



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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	20.28	20.38	20.32	20.5
20	QPSK	1	49	20.29	20.37	20.34	
20	QPSK	1	99	20.26	20.28	20.26	
20	QPSK	50	0	20.34	20.37	20.35	20.5
20	QPSK	50	24	20.25	20.35	20.28	
20	QPSK	50	50	20.27	20.30	20.23	
20	QPSK	100	0	20.23	20.30	20.25	20.5
20	16QAM	1	0	20.44	20.45	20.41	
20	16QAM	1	49	20.40	20.41	20.32	
20	16QAM	1	99	20.26	20.36	20.35	20.5
20	16QAM	50	0	20.29	20.36	20.28	
20	16QAM	50	24	20.32	20.34	20.31	
20	16QAM	50	50	20.27	20.34	20.25	20.5
20	16QAM	100	0	20.25	20.31	20.30	
20	64QAM	1	0	20.38	20.40	20.32	
20	64QAM	1	49	20.20	20.28	20.21	20.5
20	64QAM	1	99	20.11	20.20	20.10	
20	64QAM	50	0	20.35	20.37	20.34	
20	64QAM	50	24	20.22	20.25	20.22	20.5
20	64QAM	50	50	20.19	20.26	20.16	
20	64QAM	100	0	20.16	20.23	20.21	
20	256QAM	1	0	19.03	19.08	19.00	20.3
20	256QAM	1	49	18.95	19.05	18.96	
20	256QAM	1	99	18.89	18.99	18.91	
20	256QAM	50	0	18.92	19.00	18.92	20.3
20	256QAM	50	24	18.90	18.96	18.93	
20	256QAM	50	50	18.88	18.90	18.82	
20	256QAM	100	0	18.85	18.92	18.92	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.24	20.33	20.26	20.5
15	QPSK	1	37	20.24	20.30	20.30	
15	QPSK	1	74	20.24	20.28	20.17	
15	QPSK	36	0	20.30	20.36	20.28	20.5
15	QPSK	36	20	20.19	20.28	20.23	
15	QPSK	36	39	20.27	20.27	20.21	
15	QPSK	75	0	20.16	20.28	20.22	20.5
15	16QAM	1	0	20.38	20.38	20.36	
15	16QAM	1	37	20.32	20.36	20.23	
15	16QAM	1	74	20.18	20.26	20.27	20.5
15	16QAM	36	0	20.20	20.27	20.23	
15	16QAM	36	20	20.29	20.30	20.30	
15	16QAM	36	39	20.22	20.30	20.25	20.5
15	16QAM	75	0	20.20	20.31	20.28	
15	64QAM	1	0	20.32	20.36	20.28	
15	64QAM	1	37	20.11	20.20	20.19	20.5
15	64QAM	1	74	20.07	20.20	20.06	
15	64QAM	36	0	20.25	20.28	20.24	
15	64QAM	36	20	20.18	20.21	20.12	20.5
15	64QAM	36	39	20.18	20.16	20.07	
15	64QAM	75	0	20.10	20.23	20.19	
15	256QAM	1	0	19.00	19.03	18.99	20.3
15	256QAM	1	37	18.87	19.03	18.88	
15	256QAM	1	74	18.80	18.93	18.82	
15	256QAM	36	0	18.84	18.98	18.90	20.3
15	256QAM	36	20	18.81	18.91	18.91	
15	256QAM	36	39	18.79	18.88	18.80	



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15	256QAM	75	0	18.81	18.91	18.86	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.23	20.38	20.31	20.5
10	QPSK	1	25	20.21	20.33	20.33	
10	QPSK	1	49	20.26	20.21	20.21	
10	QPSK	25	0	20.32	20.30	20.33	20.5
10	QPSK	25	12	20.25	20.29	20.22	
10	QPSK	25	25	20.23	20.30	20.16	
10	QPSK	50	0	20.21	20.24	20.21	
10	16QAM	1	0	20.34	20.44	20.35	20.5
10	16QAM	1	25	20.40	20.41	20.26	
10	16QAM	1	49	20.21	20.28	20.25	
10	16QAM	25	0	20.28	20.27	20.20	20.5
10	16QAM	25	12	20.32	20.26	20.30	
10	16QAM	25	25	20.23	20.29	20.19	
10	16QAM	50	0	20.18	20.22	20.26	
10	64QAM	1	0	20.35	20.31	20.31	20.5
10	64QAM	1	25	20.14	20.21	20.17	
10	64QAM	1	49	20.06	20.15	20.08	
10	64QAM	25	0	20.25	20.31	20.32	20.5
10	64QAM	25	12	20.12	20.17	20.19	
10	64QAM	25	25	20.11	20.21	20.06	
10	64QAM	50	0	20.09	20.23	20.19	
10	256QAM	1	0	19.01	18.99	18.90	20.3
10	256QAM	1	25	18.89	18.97	18.93	
10	256QAM	1	49	18.89	18.91	18.87	
10	256QAM	25	0	18.86	18.96	18.85	20.3
10	256QAM	25	12	18.83	18.90	18.83	
10	256QAM	25	25	18.80	18.81	18.78	
10	256QAM	50	0	18.83	18.92	18.86	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.22	20.32	20.22	20.5
5	QPSK	1	12	20.21	20.30	20.25	
5	QPSK	1	24	20.23	20.28	20.18	
5	QPSK	12	0	20.26	20.32	20.27	20.5
5	QPSK	12	7	20.21	20.32	20.28	
5	QPSK	12	13	20.21	20.20	20.17	
5	QPSK	25	0	20.14	20.24	20.24	
5	16QAM	1	0	20.41	20.43	20.37	20.5
5	16QAM	1	12	20.30	20.39	20.27	
5	16QAM	1	24	20.24	20.36	20.30	
5	16QAM	12	0	20.20	20.32	20.24	20.5
5	16QAM	12	7	20.31	20.34	20.28	
5	16QAM	12	13	20.19	20.30	20.22	
5	16QAM	25	0	20.15	20.25	20.24	
5	64QAM	1	0	20.32	20.40	20.25	20.5
5	64QAM	1	12	20.13	20.24	20.11	
5	64QAM	1	24	20.06	20.14	20.07	
5	64QAM	12	0	20.32	20.35	20.33	20.5
5	64QAM	12	7	20.15	20.25	20.22	
5	64QAM	12	13	20.10	20.19	20.09	
5	64QAM	25	0	20.08	20.20	20.14	
5	256QAM	1	0	18.99	18.98	18.91	20.3
5	256QAM	1	12	18.86	18.99	18.94	
5	256QAM	1	24	18.81	18.89	18.91	
5	256QAM	12	0	18.90	18.92	18.85	20.3
5	256QAM	12	7	18.84	18.96	18.93	
5	256QAM	12	13	18.80	18.90	18.81	
5	256QAM	25	0	18.82	18.92	18.89	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	



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3	QPSK	1	0	20.28	20.30	20.25	20.5	
3	QPSK	1	8	20.22	20.35	20.25		
3	QPSK	1	14	20.21	20.26	20.24		
3	QPSK	8	0	20.29	20.27	20.33	20.5	
3	QPSK	8	4	20.25	20.26	20.21		
3	QPSK	8	7	20.18	20.24	20.18		
3	QPSK	15	0	20.15	20.28	20.18	20.5	
3	16QAM	1	0	20.41	20.39	20.37		
3	16QAM	1	8	20.37	20.32	20.29		
3	16QAM	1	14	20.19	20.29	20.29	20.5	
3	16QAM	8	0	20.22	20.28	20.27		
3	16QAM	8	4	20.28	20.34	20.25		
3	16QAM	8	7	20.19	20.24	20.20	20.5	
3	16QAM	15	0	20.20	20.21	20.22		
3	64QAM	1	0	20.38	20.37	20.24		
3	64QAM	1	8	20.16	20.28	20.17	20.5	
3	64QAM	1	14	20.11	20.19	20.04		
3	64QAM	8	0	20.25	20.36	20.25		
3	64QAM	8	4	20.18	20.22	20.17	20.5	
3	64QAM	8	7	20.11	20.18	20.10		
3	64QAM	15	0	20.16	20.22	20.20		
3	256QAM	1	0	18.98	19.03	18.94	20.3	
3	256QAM	1	8	18.90	19.02	18.92		
3	256QAM	1	14	18.86	18.96	18.85		
3	256QAM	8	0	18.86	18.90	18.83	20.3	
3	256QAM	8	4	18.90	18.86	18.90		
3	256QAM	8	7	18.87	18.88	18.72		
3	256QAM	15	0	18.80	18.91	18.85	20.3	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.28	20.30	20.26	20.5	
1.4	QPSK	1	3	20.19	20.35	20.27		
1.4	QPSK	1	5	20.19	20.26	20.21		
1.4	QPSK	3	0	20.26	20.37	20.35	20.5	
1.4	QPSK	3	1	20.20	20.26	20.27		
1.4	QPSK	3	3	20.18	20.30	20.18		
1.4	QPSK	6	0	20.21	20.25	20.22	20.5	
1.4	16QAM	1	0	20.38	20.42	20.41		
1.4	16QAM	1	3	20.35	20.32	20.29		
1.4	16QAM	1	5	20.23	20.28	20.30	20.5	
1.4	16QAM	3	0	20.21	20.35	20.18		
1.4	16QAM	3	1	20.25	20.28	20.25		
1.4	16QAM	3	3	20.19	20.25	20.19	20.5	
1.4	16QAM	6	0	20.16	20.28	20.26		
1.4	64QAM	1	0	20.38	20.31	20.32		
1.4	64QAM	1	3	20.11	20.25	20.18	20.5	
1.4	64QAM	1	5	20.02	20.19	20.09		
1.4	64QAM	3	0	20.35	20.29	20.25		
1.4	64QAM	3	1	20.12	20.22	20.19	20.5	
1.4	64QAM	3	3	20.12	20.20	20.06		
1.4	64QAM	6	0	20.11	20.13	20.20		
1.4	256QAM	1	0	19.03	19.03	18.92	20.3	
1.4	256QAM	1	3	18.89	18.95	18.89		
1.4	256QAM	1	5	18.83	18.99	18.85		
1.4	256QAM	3	0	18.86	18.97	18.91	20.3	
1.4	256QAM	3	1	18.81	18.94	18.88		
1.4	256QAM	3	3	18.82	18.88	18.73		
1.4	256QAM	6	0	18.79	18.90	18.85	20.3	



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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	24.29	25.5
10	QPSK	1	25	24.25	24.12	24.10	
10	QPSK	1	49	24.32	24.18	24.13	
10	QPSK	25	0	23.39	23.40	23.27	24.5
10	QPSK	25	12	23.36	23.25	23.25	
10	QPSK	25	25	23.29	23.22	23.20	
10	QPSK	50	0	23.34	23.35	23.25	24.5
10	16QAM	1	0	23.31	23.49	23.56	
10	16QAM	1	25	23.13	23.45	23.45	
10	16QAM	1	49	23.34	23.53	23.47	23.5
10	16QAM	25	0	22.37	22.35	22.28	
10	16QAM	25	12	22.33	22.29	22.25	
10	16QAM	25	25	22.30	22.24	22.22	23.5
10	16QAM	50	0	22.29	22.24	22.23	
10	64QAM	1	0	22.42	22.55	22.44	
10	64QAM	1	25	22.29	22.34	22.26	22.5
10	64QAM	1	49	22.22	22.35	22.22	
10	64QAM	25	0	21.31	21.23	21.20	
10	64QAM	25	12	21.25	21.22	21.18	22.5
10	64QAM	25	25	21.23	21.20	21.14	
10	64QAM	50	0	21.27	21.23	21.20	
10	256QAM	1	0	19.65	19.52	19.45	20.5
10	256QAM	1	25	19.28	19.41	19.08	
10	256QAM	1	49	19.26	19.43	19.24	
10	256QAM	25	0	19.48	19.41	19.35	20.5
10	256QAM	25	12	19.29	19.34	19.22	
10	256QAM	25	25	19.19	19.35	19.13	
10	256QAM	50	0	19.29	19.33	19.26	
Channel			20425	20525	20625	Tune-up limit (dBm)	
Frequency (MHz)			826.5	836.5	846.5		
5	QPSK	1	0	24.43	24.37	24.20	25.5
5	QPSK	1	12	24.17	24.04	24.08	
5	QPSK	1	24	24.24	24.14	24.03	
5	QPSK	12	0	23.29	23.37	23.23	24.5
5	QPSK	12	7	23.35	23.23	23.21	
5	QPSK	12	13	23.24	23.16	23.15	
5	QPSK	25	0	23.30	23.27	23.15	24.5
5	16QAM	1	0	23.27	23.43	23.47	
5	16QAM	1	12	23.08	23.43	23.40	
5	16QAM	1	24	23.29	23.51	23.46	23.5
5	16QAM	12	0	22.29	22.28	22.19	
5	16QAM	12	7	22.26	22.23	22.21	
5	16QAM	12	13	22.20	22.22	22.13	23.5
5	16QAM	25	0	22.28	22.16	22.16	
5	64QAM	1	0	22.37	22.47	22.38	
5	64QAM	1	12	22.22	22.26	22.22	22.5
5	64QAM	1	24	22.13	22.33	22.19	
5	64QAM	12	0	21.22	21.19	21.11	
5	64QAM	12	7	21.18	21.12	21.13	20.5
5	64QAM	12	13	21.16	21.11	21.13	
5	64QAM	25	0	21.20	21.21	21.17	
5	256QAM	1	0	19.64	19.46	19.41	20.5
5	256QAM	1	12	19.25	19.38	19.03	
5	256QAM	1	24	19.24	19.35	19.15	
5	256QAM	12	0	19.43	19.33	19.30	20.5
5	256QAM	12	7	19.29	19.31	19.19	
5	256QAM	12	13	19.14	19.28	19.06	



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5	256QAM	25	0	19.26	19.30	19.20	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.42	24.40	24.28	25.5
3	QPSK	1	8	24.15	24.04	24.05	
3	QPSK	1	14	24.23	24.14	24.08	
3	QPSK	8	0	23.31	23.38	23.26	24.5
3	QPSK	8	4	23.31	23.17	23.17	
3	QPSK	8	7	23.26	23.14	23.13	
3	QPSK	15	0	23.30	23.32	23.23	
3	16QAM	1	0	23.27	23.41	23.52	24.5
3	16QAM	1	8	23.05	23.36	23.35	
3	16QAM	1	14	23.31	23.50	23.46	
3	16QAM	8	0	22.36	22.25	22.18	23.5
3	16QAM	8	4	22.32	22.24	22.24	
3	16QAM	8	7	22.20	22.19	22.22	
3	16QAM	15	0	22.19	22.17	22.23	
3	64QAM	1	0	22.32	22.48	22.35	23.5
3	64QAM	1	8	22.27	22.26	22.16	
3	64QAM	1	14	22.19	22.26	22.20	
3	64QAM	8	0	21.31	21.21	21.20	22.5
3	64QAM	8	4	21.17	21.22	21.16	
3	64QAM	8	7	21.14	21.16	21.10	
3	64QAM	15	0	21.23	21.15	21.12	
3	256QAM	1	0	19.64	19.45	19.43	20.5
3	256QAM	1	8	19.22	19.39	19.02	
3	256QAM	1	14	19.24	19.40	19.15	
3	256QAM	8	0	19.38	19.39	19.34	20.5
3	256QAM	8	4	19.26	19.30	19.16	
3	256QAM	8	7	19.10	19.29	19.05	
3	256QAM	15	0	19.26	19.29	19.26	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.09	24.13	24.08	25.5
1.4	QPSK	1	3	24.09	24.14	24.05	
1.4	QPSK	1	5	24.14	24.16	24.08	
1.4	QPSK	3	0	24.10	24.12	24.04	
1.4	QPSK	3	1	24.12	24.13	24.08	
1.4	QPSK	3	3	24.14	24.16	24.12	
1.4	QPSK	6	0	23.15	23.15	23.11	24.5
1.4	16QAM	1	0	23.08	23.49	23.33	24.5
1.4	16QAM	1	3	23.16	23.51	23.32	
1.4	16QAM	1	5	23.13	23.55	23.37	
1.4	16QAM	3	0	23.07	23.21	23.12	
1.4	16QAM	3	1	23.11	23.23	23.17	
1.4	16QAM	3	3	23.13	23.25	23.13	
1.4	16QAM	6	0	22.11	22.20	22.11	23.5
1.4	64QAM	1	0	22.05	22.30	22.17	23.5
1.4	64QAM	1	3	22.10	22.29	22.11	
1.4	64QAM	1	5	22.11	22.27	22.13	
1.4	64QAM	3	0	22.11	22.24	22.12	
1.4	64QAM	3	1	22.11	22.20	22.12	
1.4	64QAM	3	3	22.16	22.22	22.12	
1.4	64QAM	6	0	21.09	21.14	21.01	22.5
1.4	256QAM	1	0	19.23	19.14	19.08	20.5
1.4	256QAM	1	3	19.23	19.05	19.02	
1.4	256QAM	1	5	19.36	19.12	19.07	
1.4	256QAM	3	0	19.19	19.09	19.10	
1.4	256QAM	3	1	19.13	19.07	19.02	
1.4	256QAM	3	3	19.14	19.03	19.07	
1.4	256QAM	6	0	19.16	19.10	19.05	20.5



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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	20.72	20.72	20.72	22.1
10	QPSK	1	25	20.70	20.71	20.71	
10	QPSK	1	49	20.72	20.70	20.72	
10	QPSK	25	0	20.67	20.70	20.70	22.1
10	QPSK	25	12	20.63	20.67	20.67	
10	QPSK	25	25	20.62	20.67	20.65	
10	QPSK	50	0	20.68	20.70	20.69	22.1
10	16QAM	1	0	20.93	20.99	20.88	
10	16QAM	1	25	20.96	20.93	20.86	
10	16QAM	1	49	20.92	20.82	20.77	22.1
10	16QAM	25	0	20.73	20.73	20.70	
10	16QAM	25	12	20.70	20.69	20.67	
10	16QAM	25	25	20.67	20.67	20.63	22.1
10	16QAM	50	0	20.67	20.68	20.64	
10	64QAM	1	0	20.80	20.97	20.80	
10	64QAM	1	25	20.71	20.79	20.78	22.1
10	64QAM	1	49	20.85	20.72	20.68	
10	64QAM	25	0	20.49	20.50	20.48	
10	64QAM	25	12	20.45	20.47	20.44	22.1
10	64QAM	25	25	20.46	20.43	20.39	
10	64QAM	50	0	20.50	20.49	20.44	
10	256QAM	1	0	18.54	18.69	18.61	20.1
10	256QAM	1	25	18.56	18.44	18.44	
10	256QAM	1	49	18.56	18.42	18.62	
10	256QAM	25	0	18.55	18.41	18.54	20.1
10	256QAM	25	12	18.48	18.36	18.61	
10	256QAM	25	25	18.56	18.28	18.49	
10	256QAM	50	0	18.56	18.34	18.61	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	20.66	20.71	20.69	22.1
5	QPSK	1	12	20.66	20.67	20.61	
5	QPSK	1	24	20.69	20.66	20.68	
5	QPSK	12	0	20.62	20.70	20.68	22.1
5	QPSK	12	7	20.63	20.66	20.65	
5	QPSK	12	13	20.60	20.65	20.65	
5	QPSK	25	0	20.62	20.68	20.69	22.1
5	16QAM	1	0	20.93	20.92	20.82	
5	16QAM	1	12	20.87	20.93	20.85	
5	16QAM	1	24	20.90	20.73	20.71	22.1
5	16QAM	12	0	20.72	20.68	20.65	
5	16QAM	12	7	20.70	20.69	20.65	
5	16QAM	12	13	20.57	20.63	20.63	22.1
5	16QAM	25	0	20.59	20.65	20.59	
5	64QAM	1	0	20.80	20.88	20.75	
5	64QAM	1	12	20.64	20.76	20.78	22.1
5	64QAM	1	24	20.76	20.65	20.63	
5	64QAM	12	0	20.45	20.50	20.44	
5	64QAM	12	7	20.44	20.39	20.36	22.1
5	64QAM	12	13	20.40	20.35	20.32	
5	64QAM	25	0	20.40	20.39	20.40	
5	256QAM	1	0	18.49	18.62	18.53	20.1
5	256QAM	1	12	18.52	18.42	18.43	
5	256QAM	1	24	18.52	18.39	18.56	
5	256QAM	12	0	18.52	18.32	18.54	20.1
5	256QAM	12	7	18.39	18.31	18.52	
5	256QAM	12	13	18.47	18.19	18.42	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

5	256QAM	25	0	18.55	18.26	18.61	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	20.63	20.71	20.64	22.1
3	QPSK	1	8	20.60	20.65	20.61	
3	QPSK	1	14	20.70	20.63	20.65	
3	QPSK	8	0	20.74	20.68	20.60	22.1
3	QPSK	8	4	20.66	20.66	20.65	
3	QPSK	8	7	20.69	20.61	20.69	
3	QPSK	15	0	20.72	20.66	20.64	
3	16QAM	1	0	20.84	20.97	20.84	22.1
3	16QAM	1	8	20.88	20.90	20.76	
3	16QAM	1	14	20.87	20.77	20.74	
3	16QAM	8	0	20.64	20.67	20.61	22.1
3	16QAM	8	4	20.70	20.65	20.61	
3	16QAM	8	7	20.58	20.62	20.53	
3	16QAM	15	0	20.58	20.59	20.64	
3	64QAM	1	0	20.72	20.95	20.70	
3	64QAM	1	8	20.63	20.77	20.69	22.1
3	64QAM	1	14	20.77	20.62	20.66	
3	64QAM	8	0	20.48	20.45	20.44	
3	64QAM	8	4	20.39	20.43	20.43	22.1
3	64QAM	8	7	20.42	20.38	20.37	
3	64QAM	15	0	20.43	20.46	20.43	
3	256QAM	1	0	18.54	18.67	18.60	
3	256QAM	1	8	18.55	18.42	18.42	20.1
3	256QAM	1	14	18.54	18.42	18.60	
3	256QAM	8	0	18.50	18.36	18.48	
3	256QAM	8	4	18.43	18.28	18.53	20.1
3	256QAM	8	7	18.49	18.27	18.41	
3	256QAM	15	0	18.55	18.29	18.56	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	20.73	20.74	20.65	22.1
1.4	QPSK	1	3	20.67	20.67	20.60	
1.4	QPSK	1	5	20.73	20.73	20.64	
1.4	QPSK	3	0	20.69	20.66	20.65	
1.4	QPSK	3	1	20.69	20.69	20.63	
1.4	QPSK	3	3	20.71	20.70	20.66	
1.4	QPSK	6	0	20.67	20.70	20.65	22.1
1.4	16QAM	1	0	20.97	20.97	20.92	22.1
1.4	16QAM	1	3	20.91	20.86	20.78	
1.4	16QAM	1	5	20.95	20.91	20.83	
1.4	16QAM	3	0	20.80	20.80	20.70	
1.4	16QAM	3	1	20.77	20.81	20.68	
1.4	16QAM	3	3	20.74	20.71	20.62	
1.4	16QAM	6	0	20.74	20.72	20.66	22.1
1.4	64QAM	1	0	20.84	20.93	20.77	22.1
1.4	64QAM	1	3	20.81	20.78	20.59	
1.4	64QAM	1	5	20.87	20.86	20.58	
1.4	64QAM	3	0	20.74	20.80	20.61	
1.4	64QAM	3	1	20.82	20.74	20.64	
1.4	64QAM	3	3	20.78	20.76	20.67	
1.4	64QAM	6	0	20.48	20.49	20.36	22.1
1.4	256QAM	1	0	18.66	18.79	18.72	20.1
1.4	256QAM	1	3	18.46	18.48	18.36	
1.4	256QAM	1	5	18.61	18.55	18.50	
1.4	256QAM	3	0	18.48	18.47	18.44	
1.4	256QAM	3	1	18.46	18.60	18.56	
1.4	256QAM	3	3	18.53	18.51	18.41	
1.4	256QAM	6	0	18.56	18.61	18.57	20.1



<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	20.72	20.72	20.72	21.4
10	QPSK	1	25	20.70	20.71	20.71	
10	QPSK	1	49	20.72	20.70	20.72	
10	QPSK	25	0	20.67	20.70	20.70	21.4
10	QPSK	25	12	20.63	20.67	20.67	
10	QPSK	25	25	20.62	20.67	20.65	
10	QPSK	50	0	20.68	20.70	20.69	21.4
10	16QAM	1	0	20.93	20.99	20.88	
10	16QAM	1	25	20.96	20.93	20.86	
10	16QAM	1	49	20.92	20.82	20.77	21.4
10	16QAM	25	0	20.73	20.73	20.70	
10	16QAM	25	12	20.70	20.69	20.67	
10	16QAM	25	25	20.67	20.67	20.63	21.4
10	16QAM	50	0	20.67	20.68	20.64	
10	64QAM	1	0	20.80	20.97	20.80	
10	64QAM	1	25	20.71	20.79	20.78	21.4
10	64QAM	1	49	20.85	20.72	20.68	
10	64QAM	25	0	20.49	20.50	20.48	
10	64QAM	25	12	20.45	20.47	20.44	21.4
10	64QAM	25	25	20.46	20.43	20.39	
10	64QAM	50	0	20.50	20.49	20.44	
10	256QAM	1	0	18.54	18.69	18.61	19.9
10	256QAM	1	25	18.56	18.44	18.44	
10	256QAM	1	49	18.56	18.42	18.62	
10	256QAM	25	0	18.55	18.41	18.54	19.9
10	256QAM	25	12	18.48	18.36	18.61	
10	256QAM	25	25	18.56	18.28	18.49	
10	256QAM	50	0	18.56	18.34	18.61	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	20.66	20.71	20.69	21.4
5	QPSK	1	12	20.66	20.67	20.61	
5	QPSK	1	24	20.69	20.66	20.68	
5	QPSK	12	0	20.62	20.70	20.68	21.4
5	QPSK	12	7	20.63	20.66	20.65	
5	QPSK	12	13	20.60	20.65	20.65	
5	QPSK	25	0	20.62	20.68	20.69	21.4
5	16QAM	1	0	20.93	20.92	20.82	
5	16QAM	1	12	20.87	20.93	20.85	
5	16QAM	1	24	20.90	20.73	20.71	21.4
5	16QAM	12	0	20.72	20.68	20.65	
5	16QAM	12	7	20.70	20.69	20.65	
5	16QAM	12	13	20.57	20.63	20.63	21.4
5	16QAM	25	0	20.59	20.65	20.59	
5	64QAM	1	0	20.80	20.88	20.75	
5	64QAM	1	12	20.64	20.76	20.78	21.4
5	64QAM	1	24	20.76	20.65	20.63	
5	64QAM	12	0	20.45	20.50	20.44	
5	64QAM	12	7	20.44	20.39	20.36	21.4
5	64QAM	12	13	20.40	20.35	20.32	
5	64QAM	25	0	20.40	20.39	20.40	
5	256QAM	1	0	18.49	18.62	18.53	19.9
5	256QAM	1	12	18.52	18.42	18.43	
5	256QAM	1	24	18.52	18.39	18.56	
5	256QAM	12	0	18.52	18.32	18.54	19.9
5	256QAM	12	7	18.39	18.31	18.52	
5	256QAM	12	13	18.47	18.19	18.42	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

5	256QAM	25	0	18.55	18.26	18.61	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	20.63	20.71	20.64	21.4
3	QPSK	1	8	20.60	20.65	20.61	
3	QPSK	1	14	20.70	20.63	20.65	
3	QPSK	8	0	20.74	20.68	20.60	21.4
3	QPSK	8	4	20.66	20.66	20.65	
3	QPSK	8	7	20.69	20.61	20.69	
3	QPSK	15	0	20.72	20.66	20.64	
3	16QAM	1	0	20.84	20.97	20.84	21.4
3	16QAM	1	8	20.88	20.90	20.76	
3	16QAM	1	14	20.87	20.77	20.74	
3	16QAM	8	0	20.64	20.67	20.61	21.4
3	16QAM	8	4	20.70	20.65	20.61	
3	16QAM	8	7	20.58	20.62	20.53	
3	16QAM	15	0	20.58	20.59	20.64	
3	64QAM	1	0	20.72	20.95	20.70	
3	64QAM	1	8	20.63	20.77	20.69	21.4
3	64QAM	1	14	20.77	20.62	20.66	
3	64QAM	8	0	20.48	20.45	20.44	
3	64QAM	8	4	20.39	20.43	20.43	21.4
3	64QAM	8	7	20.42	20.38	20.37	
3	64QAM	15	0	20.43	20.46	20.43	
3	256QAM	1	0	18.54	18.67	18.60	
3	256QAM	1	8	18.55	18.42	18.42	19.9
3	256QAM	1	14	18.54	18.42	18.60	
3	256QAM	8	0	18.50	18.36	18.48	
3	256QAM	8	4	18.43	18.28	18.53	19.9
3	256QAM	8	7	18.49	18.27	18.41	
3	256QAM	15	0	18.55	18.29	18.56	
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	20.73	20.74	20.65	21.4
1.4	QPSK	1	3	20.67	20.67	20.60	
1.4	QPSK	1	5	20.73	20.73	20.64	
1.4	QPSK	3	0	20.69	20.66	20.65	
1.4	QPSK	3	1	20.69	20.69	20.63	
1.4	QPSK	3	3	20.71	20.70	20.66	
1.4	QPSK	6	0	20.67	20.70	20.65	21.4
1.4	16QAM	1	0	20.97	20.97	20.92	21.4
1.4	16QAM	1	3	20.91	20.86	20.78	
1.4	16QAM	1	5	20.95	20.91	20.83	
1.4	16QAM	3	0	20.80	20.80	20.70	
1.4	16QAM	3	1	20.77	20.81	20.68	
1.4	16QAM	3	3	20.74	20.71	20.62	
1.4	16QAM	6	0	20.74	20.72	20.66	21.4
1.4	64QAM	1	0	20.84	20.93	20.77	21.4
1.4	64QAM	1	3	20.81	20.78	20.59	
1.4	64QAM	1	5	20.87	20.86	20.58	
1.4	64QAM	3	0	20.74	20.80	20.61	
1.4	64QAM	3	1	20.82	20.74	20.64	
1.4	64QAM	3	3	20.78	20.76	20.67	
1.4	64QAM	6	0	20.48	20.49	20.36	21.4
1.4	256QAM	1	0	18.66	18.79	18.72	19.9
1.4	256QAM	1	3	18.46	18.48	18.36	
1.4	256QAM	1	5	18.61	18.55	18.50	
1.4	256QAM	3	0	18.48	18.47	18.44	
1.4	256QAM	3	1	18.46	18.60	18.56	
1.4	256QAM	3	3	18.53	18.51	18.41	
1.4	256QAM	6	0	18.56	18.61	18.57	19.9



<LTE Band 5_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				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.28	24.31	24.16	25.1
10	QPSK	1	25	24.13	24.01	23.98	
10	QPSK	1	49	24.21	24.06	24.01	
10	QPSK	25	0	23.30	23.22	23.23	24.1
10	QPSK	25	12	23.25	23.20	23.18	
10	QPSK	25	25	23.20	23.18	23.13	
10	QPSK	50	0	23.23	23.19	23.18	24.1
10	16QAM	1	0	23.47	23.56	23.38	
10	16QAM	1	25	23.62	23.41	23.40	
10	16QAM	1	49	23.66	23.42	23.42	23.1
10	16QAM	25	0	22.32	22.23	22.22	
10	16QAM	25	12	22.28	22.19	22.18	
10	16QAM	25	25	22.26	22.19	22.17	23.1
10	16QAM	50	0	22.24	22.16	22.14	
10	64QAM	1	0	22.37	22.38	22.18	
10	64QAM	1	25	22.26	22.23	22.10	22.1
10	64QAM	1	49	22.31	22.26	22.07	
10	64QAM	25	0	21.25	21.16	21.13	
10	64QAM	25	12	21.22	21.14	21.10	20.1
10	64QAM	25	25	21.18	21.10	21.07	
10	64QAM	50	0	21.22	21.16	21.13	
10	256QAM	1	0	19.30	19.44	19.33	20.1
10	256QAM	1	25	19.27	19.22	19.22	
10	256QAM	1	49	19.36	19.18	19.38	
10	256QAM	25	0	19.29	19.17	19.29	20.1
10	256QAM	25	12	19.23	19.11	19.32	
10	256QAM	25	25	19.26	19.08	19.21	
10	256QAM	50	0	19.30	19.14	19.34	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.30	24.22	24.09	25.1
5	QPSK	1	12	24.29	24.19	24.17	
5	QPSK	1	24	24.29	24.13	24.06	
5	QPSK	12	0	23.33	23.15	23.16	24.1
5	QPSK	12	7	23.33	23.17	23.16	
5	QPSK	12	13	23.32	23.13	23.16	
5	QPSK	25	0	23.31	23.20	23.16	24.1
5	16QAM	1	0	23.44	23.42	23.42	
5	16QAM	1	12	23.67	23.46	23.48	
5	16QAM	1	24	23.63	23.39	23.34	23.1
5	16QAM	12	0	22.22	22.20	22.16	
5	16QAM	12	7	22.23	22.15	22.12	
5	16QAM	12	13	22.23	22.15	22.14	23.1
5	16QAM	25	0	22.28	22.15	22.17	
5	64QAM	1	0	22.35	22.42	22.07	
5	64QAM	1	12	22.33	22.29	22.09	22.1
5	64QAM	1	24	22.25	22.28	22.06	
5	64QAM	12	0	21.19	21.15	21.08	
5	64QAM	12	7	21.14	21.13	21.08	20.1
5	64QAM	12	13	21.11	21.06	21.07	
5	64QAM	25	0	21.18	21.12	21.14	
5	256QAM	1	0	19.31	19.43	19.42	20.1
5	256QAM	1	12	19.20	19.23	19.19	
5	256QAM	1	24	19.35	19.35	19.30	
5	256QAM	12	0	19.25	19.24	19.27	20.1
5	256QAM	12	7	19.20	19.26	19.30	
5	256QAM	12	13	19.18	19.26	19.21	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

5	256QAM	25	0	19.21	19.34	19.24	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.30	24.21	24.10	25.1
3	QPSK	1	8	24.17	24.04	23.97	
3	QPSK	1	14	24.28	24.12	24.04	
3	QPSK	8	0	23.31	23.12	23.11	24.1
3	QPSK	8	4	23.29	23.17	23.10	
3	QPSK	8	7	23.32	23.16	23.16	
3	QPSK	15	0	23.31	23.17	23.14	24.1
3	16QAM	1	0	23.54	23.44	23.46	
3	16QAM	1	8	23.68	23.45	23.38	
3	16QAM	1	14	23.69	23.49	23.39	23.1
3	16QAM	8	0	22.23	22.19	22.13	
3	16QAM	8	4	22.23	22.17	22.11	
3	16QAM	8	7	22.21	22.15	22.10	23.1
3	16QAM	15	0	22.22	22.11	22.11	
3	64QAM	1	0	22.32	22.37	22.16	
3	64QAM	1	8	22.30	22.13	22.06	23.1
3	64QAM	1	14	22.33	22.25	22.15	
3	64QAM	8	0	21.22	21.13	21.08	
3	64QAM	8	4	21.14	21.13	21.12	22.1
3	64QAM	8	7	21.16	21.13	21.12	
3	64QAM	15	0	21.15	21.10	21.07	
3	256QAM	1	0	19.39	19.48	19.42	20.1
3	256QAM	1	8	19.17	19.25	19.21	
3	256QAM	1	14	19.36	19.30	19.35	
3	256QAM	8	0	19.22	19.23	19.23	20.1
3	256QAM	8	4	19.18	19.28	19.30	
3	256QAM	8	7	19.21	19.19	19.16	
3	256QAM	15	0	19.26	19.32	19.25	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.10	24.09	24.02	25.1
1.4	QPSK	1	3	24.01	23.99	23.91	
1.4	QPSK	1	5	24.12	24.08	24.00	
1.4	QPSK	3	0	24.03	24.01	23.96	
1.4	QPSK	3	1	24.10	24.09	24.07	
1.4	QPSK	3	3	24.10	24.07	23.99	
1.4	QPSK	6	0	23.10	23.06	23.01	24.1
1.4	16QAM	1	0	23.42	23.40	23.29	24.1
1.4	16QAM	1	3	23.31	23.25	23.20	
1.4	16QAM	1	5	23.42	23.36	23.25	
1.4	16QAM	3	0	23.15	23.13	23.03	
1.4	16QAM	3	1	23.20	23.20	23.10	
1.4	16QAM	3	3	23.17	23.11	23.04	
1.4	16QAM	6	0	22.11	22.09	22.00	23.1
1.4	64QAM	1	0	22.24	22.25	22.10	23.1
1.4	64QAM	1	3	22.17	22.08	21.98	
1.4	64QAM	1	5	22.21	22.18	22.08	
1.4	64QAM	3	0	22.10	22.13	22.02	
1.4	64QAM	3	1	22.15	22.15	22.04	
1.4	64QAM	3	3	22.14	22.10	21.99	
1.4	64QAM	6	0	21.05	20.98	20.92	22.1
1.4	256QAM	1	0	19.40	19.51	19.46	20.1
1.4	256QAM	1	3	19.18	19.26	19.15	
1.4	256QAM	1	5	19.35	19.31	19.29	
1.4	256QAM	3	0	19.28	19.27	19.23	
1.4	256QAM	3	1	19.17	19.32	19.29	
1.4	256QAM	3	3	19.25	19.22	19.11	
1.4	256QAM	6	0	19.26	19.35	19.27	20.1



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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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.26	23.27	23.25	25
20	QPSK	1	49	23.17	23.14	23.22	
20	QPSK	1	99	23.18	23.18	23.22	
20	QPSK	50	0	22.18	22.21	22.20	24
20	QPSK	50	24	22.14	22.12	22.12	
20	QPSK	50	50	22.16	22.17	22.19	
20	QPSK	100	0	22.17	22.18	22.17	24
20	16QAM	1	0	22.38	22.26	22.40	
20	16QAM	1	49	22.40	22.47	22.52	
20	16QAM	1	99	22.37	22.35	22.34	23
20	16QAM	50	0	21.14	21.15	21.14	
20	16QAM	50	24	21.11	21.15	21.14	
20	16QAM	50	50	21.13	21.16	21.13	23
20	16QAM	100	0	21.11	21.14	21.14	
20	64QAM	1	0	21.33	21.25	21.27	
20	64QAM	1	49	21.20	21.37	21.33	22
20	64QAM	1	99	21.25	21.34	21.26	
20	64QAM	50	0	20.19	20.16	20.18	
20	64QAM	50	24	20.17	20.20	20.19	20
20	64QAM	50	50	20.15	20.21	20.18	
20	64QAM	100	0	20.17	20.17	20.14	
20	256QAM	1	0	18.57	18.67	18.58	20
20	256QAM	1	49	18.66	18.71	18.66	
20	256QAM	1	99	18.40	18.47	18.45	
20	256QAM	50	0	18.32	18.40	18.38	20
20	256QAM	50	24	18.32	18.40	18.34	
20	256QAM	50	50	18.32	18.37	18.33	
20	256QAM	100	0	18.30	18.36	18.35	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.05	23.01	23.18	25
15	QPSK	1	37	23.10	23.00	23.23	
15	QPSK	1	74	23.09	23.05	23.23	
15	QPSK	36	0	22.05	22.02	22.22	24
15	QPSK	36	20	22.08	22.08	22.28	
15	QPSK	36	39	22.06	22.13	22.34	
15	QPSK	75	0	22.09	22.09	22.33	24
15	16QAM	1	0	22.33	22.42	22.55	
15	16QAM	1	37	22.33	22.29	22.43	
15	16QAM	1	74	22.33	22.20	22.33	23
15	16QAM	36	0	21.08	21.11	21.14	
15	16QAM	36	20	21.06	21.11	21.14	
15	16QAM	36	39	21.05	21.12	21.11	23
15	16QAM	75	0	21.09	21.16	21.15	
15	64QAM	1	0	21.25	21.33	21.32	
15	64QAM	1	37	21.05	21.36	21.35	22
15	64QAM	1	74	21.15	21.31	21.24	
15	64QAM	36	0	20.17	20.14	20.15	
15	64QAM	36	20	20.10	20.16	20.12	20
15	64QAM	36	39	20.08	20.19	20.12	
15	64QAM	75	0	20.08	20.14	20.10	
15	256QAM	1	0	18.49	18.57	18.54	20
15	256QAM	1	37	18.60	18.64	18.56	
15	256QAM	1	74	18.35	18.42	18.42	
15	256QAM	36	0	18.26	18.40	18.34	20
15	256QAM	36	20	18.29	18.38	18.34	
15	256QAM	36	39	18.26	18.36	18.32	



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15	256QAM	75	0	18.23	18.29	18.32	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.15	23.09	23.23	25
10	QPSK	1	25	23.03	23.10	23.17	
10	QPSK	1	49	23.03	23.06	23.23	
10	QPSK	25	0	22.12	22.07	22.31	24
10	QPSK	25	12	22.11	22.13	22.37	
10	QPSK	25	25	22.06	22.15	22.42	
10	QPSK	50	0	22.12	22.13	22.42	
10	16QAM	1	0	22.19	22.41	22.52	24
10	16QAM	1	25	22.10	22.23	22.17	
10	16QAM	1	49	22.27	22.25	22.29	
10	16QAM	25	0	21.14	21.19	21.20	23
10	16QAM	25	12	21.09	21.21	21.21	
10	16QAM	25	25	21.07	21.20	21.18	
10	16QAM	50	0	21.07	21.18	21.20	
10	64QAM	1	0	21.24	21.29	21.44	23
10	64QAM	1	25	21.01	21.36	21.09	
10	64QAM	1	49	21.24	21.41	21.20	
10	64QAM	25	0	20.15	20.16	20.19	22
10	64QAM	25	12	20.12	20.18	20.18	
10	64QAM	25	25	20.10	20.20	20.16	
10	64QAM	50	0	20.14	20.25	20.17	
10	256QAM	1	0	18.56	18.63	18.57	20
10	256QAM	1	25	18.60	18.61	18.60	
10	256QAM	1	49	18.30	18.44	18.38	
10	256QAM	25	0	18.32	18.34	18.33	20
10	256QAM	25	12	18.30	18.36	18.30	
10	256QAM	25	25	18.22	18.32	18.25	
10	256QAM	50	0	18.21	18.32	18.31	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.15	23.02	23.19	25
5	QPSK	1	12	23.19	23.11	23.23	
5	QPSK	1	24	23.07	23.06	23.16	
5	QPSK	12	0	22.05	22.13	22.31	24
5	QPSK	12	7	22.10	22.18	22.39	
5	QPSK	12	13	22.08	22.22	22.43	
5	QPSK	25	0	22.17	22.18	22.44	24
5	16QAM	1	0	22.35	22.63	22.51	
5	16QAM	1	12	22.35	22.56	22.36	
5	16QAM	1	24	22.33	22.38	22.35	
5	16QAM	12	0	21.13	21.26	21.17	23
5	16QAM	12	7	21.09	21.23	21.16	
5	16QAM	12	13	21.08	21.24	21.14	
5	16QAM	25	0	21.12	21.24	21.24	
5	64QAM	1	0	21.02	21.42	21.24	23
5	64QAM	1	12	21.11	21.31	21.20	
5	64QAM	1	24	21.10	21.40	21.12	
5	64QAM	12	0	20.14	20.23	20.21	22
5	64QAM	12	7	20.09	20.26	20.19	
5	64QAM	12	13	20.05	20.24	20.17	
5	64QAM	25	0	20.14	20.23	20.21	
5	256QAM	1	0	18.50	18.60	18.50	20
5	256QAM	1	12	18.59	18.69	18.62	
5	256QAM	1	24	18.33	18.41	18.40	
5	256QAM	12	0	18.22	18.33	18.35	20
5	256QAM	12	7	18.29	18.39	18.24	
5	256QAM	12	13	18.22	18.34	18.31	
5	256QAM	25	0	18.22	18.28	18.27	

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Report No. : FA2D0208-01F

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	17.23	17.24	17.26	18.4
20	QPSK	1	49	17.21	17.21	17.25	
20	QPSK	1	99	17.23	17.20	17.20	
20	QPSK	50	0	17.24	17.22	17.24	18.4
20	QPSK	50	24	17.18	17.20	17.22	
20	QPSK	50	50	17.23	17.21	17.24	
20	QPSK	100	0	17.22	17.23	17.22	18.4
20	16QAM	1	0	17.48	17.50	17.52	
20	16QAM	1	49	17.50	17.70	17.55	
20	16QAM	1	99	17.41	17.60	17.35	18.4
20	16QAM	50	0	17.24	17.23	17.26	
20	16QAM	50	24	17.23	17.27	17.24	
20	16QAM	50	50	17.24	17.26	17.25	18.4
20	16QAM	100	0	17.19	17.21	17.21	
20	64QAM	1	0	17.51	17.41	17.53	
20	64QAM	1	49	17.56	17.52	17.64	18.4
20	64QAM	1	99	17.50	17.47	17.44	
20	64QAM	50	0	17.26	17.26	17.27	
20	64QAM	50	24	17.26	17.31	17.31	18.4
20	64QAM	50	50	17.26	17.31	17.27	
20	64QAM	100	0	17.22	17.21	17.23	
20	256QAM	1	0	17.34	17.43	17.33	18.4
20	256QAM	1	49	17.42	17.49	17.43	
20	256QAM	1	99	17.15	17.20	17.19	
20	256QAM	50	0	17.11	17.16	17.17	18.4
20	256QAM	50	24	17.11	17.18	17.06	
20	256QAM	50	50	17.02	17.14	17.06	
20	256QAM	100	0	17.01	17.16	17.13	18.4
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	17.17	17.12	17.21	18.4
15	QPSK	1	37	17.18	17.25	17.35	
15	QPSK	1	74	17.19	17.17	17.24	
15	QPSK	36	0	17.14	17.13	17.21	18.4
15	QPSK	36	20	17.18	17.11	17.21	
15	QPSK	36	39	17.15	17.13	17.23	
15	QPSK	75	0	17.14	17.12	17.20	18.4
15	16QAM	1	0	17.45	17.45	17.48	
15	16QAM	1	37	17.50	17.69	17.49	
15	16QAM	1	74	17.38	17.56	17.27	18.4
15	16QAM	36	0	17.16	17.17	17.18	
15	16QAM	36	20	17.15	17.20	17.17	
15	16QAM	36	39	17.18	17.17	17.22	18.4
15	16QAM	75	0	17.14	17.21	17.12	
15	64QAM	1	0	17.42	17.33	17.49	
15	64QAM	1	37	17.53	17.44	17.59	18.4
15	64QAM	1	74	17.49	17.44	17.42	
15	64QAM	36	0	17.24	17.18	17.21	
15	64QAM	36	20	17.25	17.25	17.25	18.4
15	64QAM	36	39	17.16	17.30	17.22	
15	64QAM	75	0	17.20	17.19	17.19	
15	256QAM	1	0	17.32	17.36	17.23	18.4
15	256QAM	1	37	17.32	17.39	17.42	
15	256QAM	1	74	17.14	17.10	17.18	
15	256QAM	36	0	17.06	17.06	17.09	18.4
15	256QAM	36	20	17.01	17.16	16.96	
15	256QAM	36	39	16.95	17.10	17.01	
15	256QAM	75	0	17.00	17.15	17.13	18.4



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Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	17.20	17.13	17.23	18.4
10	QPSK	1	25	17.14	17.29	17.35	
10	QPSK	1	49	17.19	17.16	17.19	
10	QPSK	25	0	17.10	17.11	17.15	18.4
10	QPSK	25	12	17.14	17.12	17.15	
10	QPSK	25	25	17.19	17.16	17.24	
10	QPSK	50	0	17.17	17.12	17.20	18.4
10	16QAM	1	0	17.40	17.47	17.45	
10	16QAM	1	25	17.50	17.65	17.46	
10	16QAM	1	49	17.34	17.50	17.35	18.4
10	16QAM	25	0	17.17	17.22	17.20	
10	16QAM	25	12	17.20	17.21	17.21	
10	16QAM	25	25	17.17	17.22	17.22	18.4
10	16QAM	50	0	17.13	17.15	17.14	
10	64QAM	1	0	17.44	17.32	17.47	
10	64QAM	1	25	17.52	17.51	17.63	18.4
10	64QAM	1	49	17.41	17.39	17.40	
10	64QAM	25	0	17.23	17.23	17.17	
10	64QAM	25	12	17.21	17.28	17.22	18.4
10	64QAM	25	25	17.17	17.25	17.17	
10	64QAM	50	0	17.14	17.18	17.22	
10	256QAM	1	0	17.30	17.41	17.33	18.4
10	256QAM	1	25	17.41	17.39	17.40	
10	256QAM	1	49	17.09	17.17	17.18	
10	256QAM	25	0	17.03	17.08	17.17	18.4
10	256QAM	25	12	17.04	17.13	17.06	
10	256QAM	25	25	16.95	17.07	17.05	
10	256QAM	50	0	16.96	17.13	17.12	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	17.17	17.12	17.16	18.4
5	QPSK	1	12	17.17	17.23	17.32	
5	QPSK	1	24	17.17	17.23	17.20	
5	QPSK	12	0	17.11	17.18	17.18	18.4
5	QPSK	12	7	17.09	17.14	17.20	
5	QPSK	12	13	17.19	17.19	17.20	
5	QPSK	25	0	17.17	17.12	17.17	18.4
5	16QAM	1	0	17.42	17.42	17.44	
5	16QAM	1	12	17.44	17.65	17.48	
5	16QAM	1	24	17.38	17.52	17.28	18.4
5	16QAM	12	0	17.14	17.21	17.17	
5	16QAM	12	7	17.16	17.25	17.18	
5	16QAM	12	13	17.17	17.17	17.24	18.4
5	16QAM	25	0	17.15	17.21	17.19	
5	64QAM	1	0	17.45	17.33	17.51	
5	64QAM	1	12	17.47	17.50	17.55	18.4
5	64QAM	1	24	17.42	17.37	17.37	
5	64QAM	12	0	17.26	17.25	17.27	
5	64QAM	12	7	17.22	17.21	17.26	18.4
5	64QAM	12	13	17.23	17.26	17.19	
5	64QAM	25	0	17.14	17.20	17.13	
5	256QAM	1	0	17.30	17.42	17.26	18.4
5	256QAM	1	12	17.41	17.47	17.35	
5	256QAM	1	24	17.08	17.17	17.15	
5	256QAM	12	0	17.05	17.08	17.13	18.4
5	256QAM	12	7	17.01	17.12	16.97	
5	256QAM	12	13	16.93	17.10	17.04	
5	256QAM	25	0	16.92	17.13	17.13	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
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Report No. : FA2D0208-01F

				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	19.64	19.65	19.64	21.4
20	QPSK	1	49	19.63	19.60	19.60	
20	QPSK	1	99	19.60	19.60	19.63	
20	QPSK	50	0	19.68	19.71	19.70	21.4
20	QPSK	50	24	19.67	19.68	19.66	
20	QPSK	50	50	19.67	19.70	19.67	
20	QPSK	100	0	19.70	19.71	19.70	
20	16QAM	1	0	19.88	19.81	19.82	21.4
20	16QAM	1	49	19.96	19.88	19.87	
20	16QAM	1	99	19.82	19.89	19.82	
20	16QAM	50	0	19.63	19.64	19.65	21.4
20	16QAM	50	24	19.63	19.66	19.63	
20	16QAM	50	50	19.64	19.67	19.64	
20	16QAM	100	0	19.65	19.61	19.63	
20	64QAM	1	0	19.93	19.53	19.81	21.4
20	64QAM	1	49	19.99	19.69	19.93	
20	64QAM	1	99	19.82	19.75	19.89	
20	64QAM	50	0	19.66	19.66	19.65	21.4
20	64QAM	50	24	19.67	19.67	19.66	
20	64QAM	50	50	19.66	19.67	19.65	
20	64QAM	100	0	19.65	19.65	19.64	
20	256QAM	1	0	18.55	18.67	18.54	19.9
20	256QAM	1	49	18.64	18.67	18.62	
20	256QAM	1	99	18.31	18.39	18.42	
20	256QAM	50	0	18.28	18.40	18.33	19.9
20	256QAM	50	24	18.27	18.38	18.29	
20	256QAM	50	50	18.28	18.30	18.26	
20	256QAM	100	0	18.22	18.36	18.27	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	19.54	19.57	19.63	21.4
15	QPSK	1	37	19.60	19.50	19.57	
15	QPSK	1	74	19.51	19.55	19.63	
15	QPSK	36	0	19.65	19.69	19.64	21.4
15	QPSK	36	20	19.64	19.67	19.66	
15	QPSK	36	39	19.61	19.68	19.59	
15	QPSK	75	0	19.66	19.65	19.63	
15	16QAM	1	0	19.82	19.78	19.82	21.4
15	16QAM	1	37	19.91	19.85	19.84	
15	16QAM	1	74	19.79	19.79	19.75	
15	16QAM	36	0	19.57	19.63	19.56	21.4
15	16QAM	36	20	19.62	19.62	19.53	
15	16QAM	36	39	19.62	19.64	19.54	
15	16QAM	75	0	19.59	19.52	19.58	
15	64QAM	1	0	19.90	19.51	19.72	21.4
15	64QAM	1	37	19.96	19.67	19.89	
15	64QAM	1	74	19.75	19.71	19.85	
15	64QAM	36	0	19.56	19.58	19.63	21.4
15	64QAM	36	20	19.59	19.57	19.60	
15	64QAM	36	39	19.62	19.61	19.64	
15	64QAM	75	0	19.65	19.57	19.59	
15	256QAM	1	0	18.55	18.59	18.47	19.9
15	256QAM	1	37	18.63	18.64	18.54	
15	256QAM	1	74	18.29	18.37	18.36	
15	256QAM	36	0	18.19	18.38	18.32	19.9
15	256QAM	36	20	18.25	18.36	18.26	
15	256QAM	36	39	18.18	18.28	18.21	
15	256QAM	75	0	18.17	18.32	18.22	
Channel				20800	21100	21400	Tune-up limit



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Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	19.58	19.59	19.60	21.4
10	QPSK	1	25	19.63	19.58	19.58	
10	QPSK	1	49	19.59	19.50	19.53	
10	QPSK	25	0	19.65	19.68	19.63	21.4
10	QPSK	25	12	19.57	19.66	19.63	
10	QPSK	25	25	19.57	19.62	19.64	
10	QPSK	50	0	19.68	19.69	19.67	21.4
10	16QAM	1	0	19.79	19.77	19.81	
10	16QAM	1	25	19.91	19.80	19.84	
10	16QAM	1	49	19.74	19.83	19.77	21.4
10	16QAM	25	0	19.55	19.61	19.59	
10	16QAM	25	12	19.58	19.58	19.58	
10	16QAM	25	25	19.64	19.62	19.54	21.4
10	16QAM	50	0	19.55	19.57	19.61	
10	64QAM	1	0	19.83	19.48	19.77	
10	64QAM	1	25	19.97	19.65	19.87	21.4
10	64QAM	1	49	19.75	19.72	19.81	
10	64QAM	25	0	19.61	19.65	19.56	
10	64QAM	25	12	19.63	19.62	19.58	21.4
10	64QAM	25	25	19.62	19.64	19.61	
10	64QAM	50	0	19.55	19.62	19.63	
10	256QAM	1	0	18.53	18.64	18.45	19.9
10	256QAM	1	25	18.57	18.59	18.60	
10	256QAM	1	49	18.24	18.33	18.42	
10	256QAM	25	0	18.23	18.37	18.33	19.9
10	256QAM	25	12	18.26	18.32	18.26	
10	256QAM	25	25	18.22	18.21	18.19	
10	256QAM	50	0	18.13	18.31	18.26	
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	19.59	19.55	19.64	21.4
5	QPSK	1	12	19.54	19.60	19.52	
5	QPSK	1	24	19.57	19.52	19.53	
5	QPSK	12	0	19.63	19.68	19.70	21.4
5	QPSK	12	7	19.59	19.66	19.63	
5	QPSK	12	13	19.61	19.67	19.60	
5	QPSK	25	0	19.66	19.69	19.63	21.4
5	16QAM	1	0	19.82	19.76	19.81	
5	16QAM	1	12	19.89	19.87	19.79	
5	16QAM	1	24	19.74	19.81	19.72	21.4
5	16QAM	12	0	19.62	19.54	19.59	
5	16QAM	12	7	19.60	19.62	19.61	
5	16QAM	12	13	19.61	19.65	19.57	21.4
5	16QAM	25	0	19.64	19.61	19.63	
5	64QAM	1	0	19.85	19.48	19.75	
5	64QAM	1	12	19.94	19.60	19.85	21.4
5	64QAM	1	24	19.81	19.72	19.89	
5	64QAM	12	0	19.57	19.61	19.59	
5	64QAM	12	7	19.65	19.65	19.58	21.4
5	64QAM	12	13	19.64	19.61	19.56	
5	64QAM	25	0	19.61	19.56	19.56	
5	256QAM	1	0	18.45	18.60	18.48	19.9
5	256QAM	1	12	18.54	18.58	18.62	
5	256QAM	1	24	18.28	18.34	18.42	
5	256QAM	12	0	18.23	18.39	18.32	19.9
5	256QAM	12	7	18.26	18.35	18.20	
5	256QAM	12	13	18.28	18.22	18.24	
5	256QAM	25	0	18.12	18.27	18.23	

<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)
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FCC SAR TEST REPORT

Report No. : FA2D0208-01F

Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	19.64	19.65	19.64	20.7
20	QPSK	1	49	19.63	19.60	19.60	
20	QPSK	1	99	19.60	19.60	19.63	
20	QPSK	50	0	19.68	19.71	19.70	20.7
20	QPSK	50	24	19.67	19.68	19.66	
20	QPSK	50	50	19.67	19.70	19.67	
20	QPSK	100	0	19.70	19.71	19.70	20.7
20	16QAM	1	0	19.88	19.81	19.82	
20	16QAM	1	49	19.96	19.88	19.87	
20	16QAM	1	99	19.82	19.89	19.82	20.7
20	16QAM	50	0	19.63	19.64	19.65	
20	16QAM	50	24	19.63	19.66	19.63	
20	16QAM	50	50	19.64	19.67	19.64	20.7
20	16QAM	100	0	19.65	19.61	19.63	
20	64QAM	1	0	19.93	19.53	19.81	
20	64QAM	1	49	19.99	19.69	19.93	20.7
20	64QAM	1	99	19.82	19.75	19.89	
20	64QAM	50	0	19.66	19.66	19.65	
20	64QAM	50	24	19.67	19.67	19.66	20.7
20	64QAM	50	50	19.66	19.67	19.65	
20	64QAM	100	0	19.65	19.65	19.64	
20	256QAM	1	0	18.55	18.67	18.54	19.7
20	256QAM	1	49	18.64	18.67	18.62	
20	256QAM	1	99	18.31	18.39	18.42	
20	256QAM	50	0	18.28	18.40	18.33	19.7
20	256QAM	50	24	18.27	18.38	18.29	
20	256QAM	50	50	18.28	18.30	18.26	
20	256QAM	100	0	18.22	18.36	18.27	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	19.54	19.57	19.63	20.7
15	QPSK	1	37	19.60	19.50	19.57	
15	QPSK	1	74	19.51	19.55	19.63	
15	QPSK	36	0	19.65	19.69	19.64	20.7
15	QPSK	36	20	19.64	19.67	19.66	
15	QPSK	36	39	19.61	19.68	19.59	
15	QPSK	75	0	19.66	19.65	19.63	20.7
15	16QAM	1	0	19.82	19.78	19.82	
15	16QAM	1	37	19.91	19.85	19.84	
15	16QAM	1	74	19.79	19.79	19.75	20.7
15	16QAM	36	0	19.57	19.63	19.56	
15	16QAM	36	20	19.62	19.62	19.53	
15	16QAM	36	39	19.62	19.64	19.54	20.7
15	16QAM	75	0	19.59	19.52	19.58	
15	64QAM	1	0	19.90	19.51	19.72	
15	64QAM	1	37	19.96	19.67	19.89	20.7
15	64QAM	1	74	19.75	19.71	19.85	
15	64QAM	36	0	19.56	19.58	19.63	
15	64QAM	36	20	19.59	19.57	19.60	20.7
15	64QAM	36	39	19.62	19.61	19.64	
15	64QAM	75	0	19.65	19.57	19.59	
15	256QAM	1	0	18.55	18.59	18.47	19.7
15	256QAM	1	37	18.63	18.64	18.54	
15	256QAM	1	74	18.29	18.37	18.36	
15	256QAM	36	0	18.19	18.38	18.32	19.7
15	256QAM	36	20	18.25	18.36	18.26	
15	256QAM	36	39	18.18	18.28	18.21	
15	256QAM	75	0	18.17	18.32	18.22	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	



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10	QPSK	1	0	19.58	19.59	19.60	20.7
10	QPSK	1	25	19.63	19.58	19.58	
10	QPSK	1	49	19.59	19.50	19.53	
10	QPSK	25	0	19.65	19.68	19.63	20.7
10	QPSK	25	12	19.57	19.66	19.63	
10	QPSK	25	25	19.57	19.62	19.64	
10	QPSK	50	0	19.68	19.69	19.67	20.7
10	16QAM	1	0	19.79	19.77	19.81	
10	16QAM	1	25	19.91	19.80	19.84	
10	16QAM	1	49	19.74	19.83	19.77	20.7
10	16QAM	25	0	19.55	19.61	19.59	
10	16QAM	25	12	19.58	19.58	19.58	
10	16QAM	25	25	19.64	19.62	19.54	20.7
10	16QAM	50	0	19.55	19.57	19.61	
10	64QAM	1	0	19.83	19.48	19.77	
10	64QAM	1	25	19.97	19.65	19.87	20.7
10	64QAM	1	49	19.75	19.72	19.81	
10	64QAM	25	0	19.61	19.65	19.56	
10	64QAM	25	12	19.63	19.62	19.58	20.7
10	64QAM	25	25	19.62	19.64	19.61	
10	64QAM	50	0	19.55	19.62	19.63	
10	256QAM	1	0	18.53	18.64	18.45	19.7
10	256QAM	1	25	18.57	18.59	18.60	
10	256QAM	1	49	18.24	18.33	18.42	
10	256QAM	25	0	18.23	18.37	18.33	19.7
10	256QAM	25	12	18.26	18.32	18.26	
10	256QAM	25	25	18.22	18.21	18.19	
10	256QAM	50	0	18.13	18.31	18.26	Tune-up limit (dBm)
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	19.59	19.55	19.64	20.7
5	QPSK	1	12	19.54	19.60	19.52	
5	QPSK	1	24	19.57	19.52	19.53	
5	QPSK	12	0	19.63	19.68	19.70	20.7
5	QPSK	12	7	19.59	19.66	19.63	
5	QPSK	12	13	19.61	19.67	19.60	
5	QPSK	25	0	19.66	19.69	19.63	20.7
5	16QAM	1	0	19.82	19.76	19.81	
5	16QAM	1	12	19.89	19.87	19.79	
5	16QAM	1	24	19.74	19.81	19.72	20.7
5	16QAM	12	0	19.62	19.54	19.59	
5	16QAM	12	7	19.60	19.62	19.61	
5	16QAM	12	13	19.61	19.65	19.57	20.7
5	16QAM	25	0	19.64	19.61	19.63	
5	64QAM	1	0	19.85	19.48	19.75	
5	64QAM	1	12	19.94	19.60	19.85	20.7
5	64QAM	1	24	19.81	19.72	19.89	
5	64QAM	12	0	19.57	19.61	19.59	
5	64QAM	12	7	19.65	19.65	19.58	20.7
5	64QAM	12	13	19.64	19.61	19.56	
5	64QAM	25	0	19.61	19.56	19.56	
5	256QAM	1	0	18.45	18.60	18.48	19.7
5	256QAM	1	12	18.54	18.58	18.62	
5	256QAM	1	24	18.28	18.34	18.42	
5	256QAM	12	0	18.23	18.39	18.32	19.7
5	256QAM	12	7	18.26	18.35	18.20	
5	256QAM	12	13	18.28	18.22	18.24	
5	256QAM	25	0	18.12	18.27	18.23	



<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	21.36	21.40	21.34	22.2
20	QPSK	1	49	21.20	21.28	21.22	
20	QPSK	1	99	21.21	21.30	21.23	
20	QPSK	50	0	21.29	21.35	21.28	22.2
20	QPSK	50	24	21.26	21.31	21.24	
20	QPSK	50	50	21.27	21.34	21.26	
20	QPSK	100	0	21.24	21.29	21.22	22.2
20	16QAM	1	0	21.34	21.42	21.34	
20	16QAM	1	49	21.49	21.49	21.45	
20	16QAM	1	99	21.49	21.50	21.45	22.2
20	16QAM	50	0	21.17	21.24	21.16	
20	16QAM	50	24	21.23	21.29	21.19	
20	16QAM	50	50	21.24	21.28	21.18	22.2
20	16QAM	100	0	21.17	21.23	21.17	
20	64QAM	1	0	21.12	21.19	21.11	
20	64QAM	1	49	21.08	21.17	21.11	22.2
20	64QAM	1	99	21.23	21.27	21.18	
20	64QAM	50	0	20.99	21.04	20.95	
20	64QAM	50	24	21.02	21.07	20.99	22.2
20	64QAM	50	50	21.01	21.09	21.02	
20	64QAM	100	0	21.17	21.25	21.15	
20	256QAM	1	0	19.67	19.50	19.62	20.2
20	256QAM	1	49	19.10	19.35	19.10	
20	256QAM	1	99	19.25	19.36	19.28	
20	256QAM	50	0	19.12	19.25	19.10	20.2
20	256QAM	50	24	18.97	19.21	19.09	
20	256QAM	50	50	18.98	19.12	19.09	
20	256QAM	100	0	19.06	19.27	19.09	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.34	21.38	21.27	22.2
15	QPSK	1	37	21.16	21.25	21.21	
15	QPSK	1	74	21.18	21.27	21.16	
15	QPSK	36	0	21.25	21.25	21.18	22.2
15	QPSK	36	20	21.25	21.33	21.21	
15	QPSK	36	39	21.26	21.30	21.23	
15	QPSK	75	0	21.21	21.21	21.17	22.2
15	16QAM	1	0	21.32	21.36	21.31	
15	16QAM	1	37	21.46	21.45	21.44	
15	16QAM	1	74	21.49	21.49	21.42	22.2
15	16QAM	36	0	21.13	21.18	21.14	
15	16QAM	36	20	21.18	21.23	21.15	
15	16QAM	36	39	21.17	21.23	21.10	22.2
15	16QAM	75	0	21.13	21.19	21.13	
15	64QAM	1	0	21.07	21.14	21.08	
15	64QAM	1	37	21.05	21.10	21.06	22.2
15	64QAM	1	74	21.16	21.24	21.11	
15	64QAM	36	0	20.96	20.99	20.89	
15	64QAM	36	20	21.00	21.04	20.95	22.2
15	64QAM	36	39	20.99	21.00	20.98	
15	64QAM	75	0	21.14	21.22	21.07	
15	256QAM	1	0	19.65	19.48	19.63	20.2
15	256QAM	1	37	19.05	19.34	19.16	
15	256QAM	1	74	19.19	19.32	19.27	
15	256QAM	36	0	19.12	19.21	19.15	20.2
15	256QAM	36	20	18.99	19.13	19.08	



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15	256QAM	36	39	18.92	19.13	19.05	
15	256QAM	75	0	19.06	19.22	19.07	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.35	21.36	21.33	22.2
10	QPSK	1	25	21.13	21.23	21.20	
10	QPSK	1	49	21.15	21.24	21.17	
10	QPSK	25	0	21.24	21.27	21.23	22.2
10	QPSK	25	12	21.24	21.34	21.27	
10	QPSK	25	25	21.22	21.29	21.21	
10	QPSK	50	0	21.23	21.28	21.19	22.2
10	16QAM	1	0	21.27	21.41	21.32	
10	16QAM	1	25	21.42	21.48	21.36	
10	16QAM	1	49	21.43	21.49	21.40	22.2
10	16QAM	25	0	21.09	21.23	21.07	
10	16QAM	25	12	21.16	21.20	21.10	
10	16QAM	25	25	21.21	21.25	21.10	22.2
10	16QAM	50	0	21.10	21.22	21.11	
10	64QAM	1	0	21.05	21.11	21.05	
10	64QAM	1	25	21.06	21.15	21.05	22.2
10	64QAM	1	49	21.22	21.23	21.13	
10	64QAM	25	0	20.94	21.01	20.86	
10	64QAM	25	12	20.94	21.06	20.95	22.2
10	64QAM	25	25	20.95	21.02	20.96	
10	64QAM	50	0	21.15	21.18	21.14	
10	256QAM	1	0	19.67	19.48	19.63	20.2
10	256QAM	1	25	19.12	19.36	19.12	
10	256QAM	1	49	19.20	19.36	19.29	
10	256QAM	25	0	19.10	19.27	19.07	20.2
10	256QAM	25	12	18.95	19.17	19.01	
10	256QAM	25	25	19.02	19.20	18.99	
10	256QAM	50	0	19.07	19.19	19.03	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.34	21.33	21.33	22.2
5	QPSK	1	12	21.17	21.23	21.14	
5	QPSK	1	24	21.18	21.21	21.15	
5	QPSK	12	0	21.25	21.28	21.19	22.2
5	QPSK	12	7	21.21	21.30	21.25	
5	QPSK	12	13	21.20	21.28	21.18	
5	QPSK	25	0	21.15	21.25	21.15	22.2
5	16QAM	1	0	21.33	21.33	21.33	
5	16QAM	1	12	21.43	21.49	21.39	
5	16QAM	1	24	21.47	21.49	21.43	22.2
5	16QAM	12	0	21.15	21.15	21.14	
5	16QAM	12	7	21.19	21.25	21.18	
5	16QAM	12	13	21.21	21.25	21.10	22.2
5	16QAM	25	0	21.12	21.16	21.15	
5	64QAM	1	0	21.09	21.17	21.05	
5	64QAM	1	12	21.06	21.16	21.09	22.2
5	64QAM	1	24	21.22	21.26	21.10	
5	64QAM	12	0	20.94	21.01	20.91	
5	64QAM	12	7	21.00	20.98	20.98	22.2
5	64QAM	12	13	20.96	21.06	21.01	
5	64QAM	25	0	21.08	21.23	21.13	
5	256QAM	1	0	19.65	19.42	19.55	20.2
5	256QAM	1	12	19.11	19.30	19.08	
5	256QAM	1	24	19.22	19.34	19.26	
5	256QAM	12	0	19.07	19.25	19.13	20.2
5	256QAM	12	7	19.02	19.13	19.05	
5	256QAM	12	13	18.92	19.14	19.01	
5	256QAM	25	0	19.01	19.26	19.10	



<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	21.36	21.40	21.34	21.5
20	QPSK	1	49	21.20	21.28	21.22	
20	QPSK	1	99	21.21	21.30	21.23	
20	QPSK	50	0	21.29	21.35	21.28	21.5
20	QPSK	50	24	21.26	21.31	21.24	
20	QPSK	50	50	21.27	21.34	21.26	
20	QPSK	100	0	21.24	21.29	21.22	
20	16QAM	1	0	21.34	21.42	21.34	21.5
20	16QAM	1	49	21.49	21.49	21.45	
20	16QAM	1	99	21.49	21.50	21.45	
20	16QAM	50	0	21.17	21.24	21.16	21.5
20	16QAM	50	24	21.23	21.29	21.19	
20	16QAM	50	50	21.24	21.28	21.18	
20	16QAM	100	0	21.17	21.23	21.17	
20	64QAM	1	0	21.12	21.19	21.11	21.5
20	64QAM	1	49	21.08	21.17	21.11	
20	64QAM	1	99	21.23	21.27	21.18	
20	64QAM	50	0	20.99	21.04	20.95	21.5
20	64QAM	50	24	21.02	21.07	20.99	
20	64QAM	50	50	21.01	21.09	21.02	
20	64QAM	100	0	21.17	21.25	21.15	
20	256QAM	1	0	19.67	19.50	19.62	20
20	256QAM	1	49	19.10	19.35	19.10	
20	256QAM	1	99	19.25	19.36	19.28	
20	256QAM	50	0	19.12	19.25	19.10	20
20	256QAM	50	24	18.97	19.21	19.09	
20	256QAM	50	50	18.98	19.12	19.09	
20	256QAM	100	0	19.06	19.27	19.09	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.34	21.38	21.27	21.5
15	QPSK	1	37	21.16	21.25	21.21	
15	QPSK	1	74	21.18	21.27	21.16	
15	QPSK	36	0	21.25	21.25	21.18	21.5
15	QPSK	36	20	21.25	21.33	21.21	
15	QPSK	36	39	21.26	21.30	21.23	
15	QPSK	75	0	21.21	21.21	21.17	
15	16QAM	1	0	21.32	21.36	21.31	21.5
15	16QAM	1	37	21.46	21.45	21.44	
15	16QAM	1	74	21.49	21.49	21.42	
15	16QAM	36	0	21.13	21.18	21.14	21.5
15	16QAM	36	20	21.18	21.23	21.15	
15	16QAM	36	39	21.17	21.23	21.10	
15	16QAM	75	0	21.13	21.19	21.13	
15	64QAM	1	0	21.07	21.14	21.08	21.5
15	64QAM	1	37	21.05	21.10	21.06	
15	64QAM	1	74	21.16	21.24	21.11	
15	64QAM	36	0	20.96	20.99	20.89	21.5
15	64QAM	36	20	21.00	21.04	20.95	
15	64QAM	36	39	20.99	21.00	20.98	
15	64QAM	75	0	21.14	21.22	21.07	
15	256QAM	1	0	19.65	19.48	19.63	20
15	256QAM	1	37	19.05	19.34	19.16	
15	256QAM	1	74	19.19	19.32	19.27	
15	256QAM	36	0	19.12	19.21	19.15	20
15	256QAM	36	20	18.99	19.13	19.08	



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15	256QAM	36	39	18.92	19.13	19.05	
15	256QAM	75	0	19.06	19.22	19.07	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.35	21.36	21.33	21.5
10	QPSK	1	25	21.13	21.23	21.20	
10	QPSK	1	49	21.15	21.24	21.17	
10	QPSK	25	0	21.24	21.27	21.23	21.5
10	QPSK	25	12	21.24	21.34	21.27	
10	QPSK	25	25	21.22	21.29	21.21	
10	QPSK	50	0	21.23	21.28	21.19	
10	16QAM	1	0	21.27	21.41	21.32	21.5
10	16QAM	1	25	21.42	21.48	21.36	
10	16QAM	1	49	21.43	21.49	21.40	
10	16QAM	25	0	21.09	21.23	21.07	21.5
10	16QAM	25	12	21.16	21.20	21.10	
10	16QAM	25	25	21.21	21.25	21.10	
10	16QAM	50	0	21.10	21.22	21.11	
10	64QAM	1	0	21.05	21.11	21.05	21.5
10	64QAM	1	25	21.06	21.15	21.05	
10	64QAM	1	49	21.22	21.23	21.13	
10	64QAM	25	0	20.94	21.01	20.86	21.5
10	64QAM	25	12	20.94	21.06	20.95	
10	64QAM	25	25	20.95	21.02	20.96	
10	64QAM	50	0	21.15	21.18	21.14	
10	256QAM	1	0	19.67	19.48	19.63	20
10	256QAM	1	25	19.12	19.36	19.12	
10	256QAM	1	49	19.20	19.36	19.29	
10	256QAM	25	0	19.10	19.27	19.07	20
10	256QAM	25	12	18.95	19.17	19.01	
10	256QAM	25	25	19.02	19.20	18.99	
10	256QAM	50	0	19.07	19.19	19.03	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.34	21.33	21.33	21.5
5	QPSK	1	12	21.17	21.23	21.14	
5	QPSK	1	24	21.18	21.21	21.15	
5	QPSK	12	0	21.25	21.28	21.19	21.5
5	QPSK	12	7	21.21	21.30	21.25	
5	QPSK	12	13	21.20	21.28	21.18	
5	QPSK	25	0	21.15	21.25	21.15	
5	16QAM	1	0	21.33	21.33	21.33	21.5
5	16QAM	1	12	21.43	21.49	21.39	
5	16QAM	1	24	21.47	21.49	21.43	
5	16QAM	12	0	21.15	21.15	21.14	21.5
5	16QAM	12	7	21.19	21.25	21.18	
5	16QAM	12	13	21.21	21.25	21.10	
5	16QAM	25	0	21.12	21.16	21.15	
5	64QAM	1	0	21.09	21.17	21.05	21.5
5	64QAM	1	12	21.06	21.16	21.09	
5	64QAM	1	24	21.22	21.26	21.10	
5	64QAM	12	0	20.94	21.01	20.91	21.5
5	64QAM	12	7	21.00	20.98	20.98	
5	64QAM	12	13	20.96	21.06	21.01	
5	64QAM	25	0	21.08	21.23	21.13	
5	256QAM	1	0	19.65	19.42	19.55	20
5	256QAM	1	12	19.11	19.30	19.08	
5	256QAM	1	24	19.22	19.34	19.26	
5	256QAM	12	0	19.07	19.25	19.13	20
5	256QAM	12	7	19.02	19.13	19.05	
5	256QAM	12	13	18.92	19.14	19.01	
5	256QAM	25	0	19.01	19.26	19.10	



<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	19.37	19.45	19.44	19.7
20	QPSK	1	49	19.35	19.33	19.37	
20	QPSK	1	99	19.33	19.34	19.40	
20	QPSK	50	0	19.37	19.39	19.38	19.7
20	QPSK	50	24	19.34	19.38	19.36	
20	QPSK	50	50	19.35	19.36	19.37	
20	QPSK	100	0	19.37	19.41	19.39	
20	16QAM	1	0	19.63	19.42	19.51	19.7
20	16QAM	1	49	19.57	19.48	19.44	
20	16QAM	1	99	19.56	19.54	19.42	
20	16QAM	50	0	19.33	19.26	19.31	19.7
20	16QAM	50	24	19.30	19.29	19.30	
20	16QAM	50	50	19.33	19.33	19.30	
20	16QAM	100	0	19.34	19.29	19.31	
20	64QAM	1	0	19.47	19.48	19.54	19.7
20	64QAM	1	49	19.46	19.53	19.44	
20	64QAM	1	99	19.54	19.62	19.54	
20	64QAM	50	0	19.32	19.29	19.32	19.7
20	64QAM	50	24	19.33	19.31	19.30	
20	64QAM	50	50	19.34	19.34	19.32	
20	64QAM	100	0	19.35	19.28	19.31	
20	256QAM	1	0	19.43	19.29	19.50	19.7
20	256QAM	1	49	19.01	19.19	19.02	
20	256QAM	1	99	19.04	19.16	19.04	
20	256QAM	50	0	18.95	19.07	18.94	19.7
20	256QAM	50	24	18.96	19.04	18.91	
20	256QAM	50	50	18.99	19.04	18.91	
20	256QAM	100	0	18.95	19.04	18.95	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	19.29	19.38	19.36	19.7
15	QPSK	1	37	19.33	19.32	19.28	
15	QPSK	1	74	19.26	19.27	19.32	
15	QPSK	36	0	19.29	19.32	19.36	19.7
15	QPSK	36	20	19.34	19.34	19.32	
15	QPSK	36	39	19.26	19.32	19.31	
15	QPSK	75	0	19.35	19.35	19.30	
15	16QAM	1	0	19.56	19.33	19.43	19.7
15	16QAM	1	37	19.49	19.47	19.42	
15	16QAM	1	74	19.53	19.49	19.38	
15	16QAM	36	0	19.32	19.21	19.27	19.7
15	16QAM	36	20	19.29	19.27	19.24	
15	16QAM	36	39	19.30	19.32	19.24	
15	16QAM	75	0	19.26	19.26	19.29	
15	64QAM	1	0	19.44	19.39	19.53	19.7
15	64QAM	1	37	19.37	19.46	19.42	
15	64QAM	1	74	19.53	19.60	19.53	
15	64QAM	36	0	19.25	19.21	19.30	19.7
15	64QAM	36	20	19.25	19.25	19.26	
15	64QAM	36	39	19.25	19.31	19.30	
15	64QAM	75	0	19.27	19.25	19.26	
15	256QAM	1	0	19.35	19.28	19.43	19.7
15	256QAM	1	37	18.91	19.15	18.98	
15	256QAM	1	74	19.03	19.12	18.96	
15	256QAM	36	0	18.94	18.98	18.90	19.7
15	256QAM	36	20	18.90	19.00	19.00	



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15	256QAM	36	39	19.01	19.02	19.00	
15	256QAM	75	0	18.93	19.02	19.00	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.36	19.43	19.37	19.7
10	QPSK	1	25	19.30	19.25	19.36	
10	QPSK	1	49	19.24	19.32	19.39	
10	QPSK	25	0	19.32	19.34	19.32	19.7
10	QPSK	25	12	19.35	19.37	19.28	
10	QPSK	25	25	19.34	19.31	19.33	
10	QPSK	50	0	19.29	19.33	19.33	
10	16QAM	1	0	19.56	19.34	19.50	
10	16QAM	1	25	19.52	19.43	19.39	19.7
10	16QAM	1	49	19.55	19.51	19.37	
10	16QAM	25	0	19.24	19.21	19.27	19.7
10	16QAM	25	12	19.24	19.24	19.28	
10	16QAM	25	25	19.27	19.28	19.27	
10	16QAM	50	0	19.32	19.25	19.22	
10	64QAM	1	0	19.46	19.46	19.45	
10	64QAM	1	25	19.39	19.52	19.39	19.7
10	64QAM	1	49	19.50	19.57	19.52	
10	64QAM	25	0	19.27	19.26	19.26	
10	64QAM	25	12	19.24	19.26	19.24	19.7
10	64QAM	25	25	19.27	19.32	19.28	
10	64QAM	50	0	19.26	19.26	19.24	
10	256QAM	1	0	19.39	19.25	19.49	
10	256QAM	1	25	18.90	19.17	19.00	
10	256QAM	1	49	18.96	19.08	19.03	19.7
10	256QAM	25	0	18.94	18.98	19.00	
10	256QAM	25	12	18.96	18.95	19.00	
10	256QAM	25	25	18.93	18.99	19.00	
10	256QAM	50	0	18.99	19.01	18.93	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	19.30	19.37	19.42	19.7
5	QPSK	1	12	19.33	19.29	19.32	
5	QPSK	1	24	19.31	19.33	19.33	
5	QPSK	12	0	19.29	19.38	19.30	19.7
5	QPSK	12	7	19.33	19.33	19.33	
5	QPSK	12	13	19.32	19.31	19.30	
5	QPSK	25	0	19.30	19.37	19.37	
5	16QAM	1	0	19.55	19.40	19.46	
5	16QAM	1	12	19.49	19.41	19.38	19.7
5	16QAM	1	24	19.55	19.46	19.33	
5	16QAM	12	0	19.27	19.19	19.25	
5	16QAM	12	7	19.24	19.21	19.25	19.7
5	16QAM	12	13	19.25	19.25	19.23	
5	16QAM	25	0	19.31	19.24	19.25	
5	64QAM	1	0	19.43	19.41	19.53	
5	64QAM	1	12	19.44	19.44	19.36	
5	64QAM	1	24	19.47	19.56	19.46	19.7
5	64QAM	12	0	19.23	19.22	19.31	
5	64QAM	12	7	19.29	19.25	19.29	
5	64QAM	12	13	19.29	19.25	19.30	
5	64QAM	25	0	19.33	19.25	19.29	
5	256QAM	1	0	19.40	19.22	19.42	19.7
5	256QAM	1	12	19.01	19.11	18.98	
5	256QAM	1	24	18.98	19.08	18.99	
5	256QAM	12	0	19.02	19.02	18.93	
5	256QAM	12	7	19.00	19.03	18.96	
5	256QAM	12	13	19.03	19.00	18.96	19.7



<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	19.37	19.45	19.44	20.4
20	QPSK	1	49	19.35	19.33	19.37	
20	QPSK	1	99	19.33	19.34	19.40	
20	QPSK	50	0	19.37	19.39	19.38	20.4
20	QPSK	50	24	19.34	19.38	19.36	
20	QPSK	50	50	19.35	19.36	19.37	
20	QPSK	100	0	19.37	19.41	19.39	
20	16QAM	1	0	19.63	19.42	19.51	20.4
20	16QAM	1	49	19.57	19.48	19.44	
20	16QAM	1	99	19.56	19.54	19.42	
20	16QAM	50	0	19.33	19.26	19.31	20.4
20	16QAM	50	24	19.30	19.29	19.30	
20	16QAM	50	50	19.33	19.33	19.30	
20	16QAM	100	0	19.34	19.29	19.31	
20	64QAM	1	0	19.47	19.48	19.54	20.4
20	64QAM	1	49	19.46	19.53	19.44	
20	64QAM	1	99	19.54	19.62	19.54	
20	64QAM	50	0	19.32	19.29	19.32	20.4
20	64QAM	50	24	19.33	19.31	19.30	
20	64QAM	50	50	19.34	19.34	19.32	
20	64QAM	100	0	19.35	19.28	19.31	
20	256QAM	1	0	19.43	19.29	19.50	20.4
20	256QAM	1	49	19.01	19.19	19.02	
20	256QAM	1	99	19.04	19.16	19.04	
20	256QAM	50	0	18.95	19.07	18.94	20.4
20	256QAM	50	24	18.96	19.04	18.91	
20	256QAM	50	50	18.99	19.04	18.91	
20	256QAM	100	0	18.95	19.04	18.95	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	19.29	19.38	19.36	20.4
15	QPSK	1	37	19.33	19.32	19.28	
15	QPSK	1	74	19.26	19.27	19.32	
15	QPSK	36	0	19.29	19.32	19.36	20.4
15	QPSK	36	20	19.34	19.34	19.32	
15	QPSK	36	39	19.26	19.32	19.31	
15	QPSK	75	0	19.35	19.35	19.30	
15	16QAM	1	0	19.56	19.33	19.43	20.4
15	16QAM	1	37	19.49	19.47	19.42	
15	16QAM	1	74	19.53	19.49	19.38	
15	16QAM	36	0	19.32	19.21	19.27	20.4
15	16QAM	36	20	19.29	19.27	19.24	
15	16QAM	36	39	19.30	19.32	19.24	
15	16QAM	75	0	19.26	19.26	19.29	
15	64QAM	1	0	19.44	19.39	19.53	20.4
15	64QAM	1	37	19.37	19.46	19.42	
15	64QAM	1	74	19.53	19.60	19.53	
15	64QAM	36	0	19.25	19.21	19.30	20.4
15	64QAM	36	20	19.25	19.25	19.26	
15	64QAM	36	39	19.25	19.31	19.30	
15	64QAM	75	0	19.27	19.25	19.26	
15	256QAM	1	0	19.35	19.28	19.43	20.4
15	256QAM	1	37	18.91	19.15	18.98	
15	256QAM	1	74	19.03	19.12	18.96	
15	256QAM	36	0	18.94	18.98	18.90	20.4
15	256QAM	36	20	18.90	19.00	19.00	



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15	256QAM	36	39	19.01	19.02	19.00	
15	256QAM	75	0	18.93	19.02	19.00	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.36	19.43	19.37	20.4
10	QPSK	1	25	19.30	19.25	19.36	
10	QPSK	1	49	19.24	19.32	19.39	
10	QPSK	25	0	19.32	19.34	19.32	20.4
10	QPSK	25	12	19.35	19.37	19.28	
10	QPSK	25	25	19.34	19.31	19.33	
10	QPSK	50	0	19.29	19.33	19.33	
10	16QAM	1	0	19.56	19.34	19.50	20.4
10	16QAM	1	25	19.52	19.43	19.39	
10	16QAM	1	49	19.55	19.51	19.37	
10	16QAM	25	0	19.24	19.21	19.27	20.4
10	16QAM	25	12	19.24	19.24	19.28	
10	16QAM	25	25	19.27	19.28	19.27	
10	16QAM	50	0	19.32	19.25	19.22	
10	64QAM	1	0	19.46	19.46	19.45	20.4
10	64QAM	1	25	19.39	19.52	19.39	
10	64QAM	1	49	19.50	19.57	19.52	
10	64QAM	25	0	19.27	19.26	19.26	20.4
10	64QAM	25	12	19.24	19.26	19.24	
10	64QAM	25	25	19.27	19.32	19.28	
10	64QAM	50	0	19.26	19.26	19.24	
10	256QAM	1	0	19.39	19.25	19.49	20.4
10	256QAM	1	25	18.90	19.17	19.00	
10	256QAM	1	49	18.96	19.08	19.03	
10	256QAM	25	0	18.94	18.98	19.00	20.4
10	256QAM	25	12	18.96	18.95	19.00	
10	256QAM	25	25	18.93	18.99	19.00	
10	256QAM	50	0	18.99	19.01	18.93	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	19.30	19.37	19.42	20.4
5	QPSK	1	12	19.33	19.29	19.32	
5	QPSK	1	24	19.31	19.33	19.33	
5	QPSK	12	0	19.29	19.38	19.30	20.4
5	QPSK	12	7	19.33	19.33	19.33	
5	QPSK	12	13	19.32	19.31	19.30	
5	QPSK	25	0	19.30	19.37	19.37	
5	16QAM	1	0	19.55	19.40	19.46	20.4
5	16QAM	1	12	19.49	19.41	19.38	
5	16QAM	1	24	19.55	19.46	19.33	
5	16QAM	12	0	19.27	19.19	19.25	20.4
5	16QAM	12	7	19.24	19.21	19.25	
5	16QAM	12	13	19.25	19.25	19.23	
5	16QAM	25	0	19.31	19.24	19.25	
5	64QAM	1	0	19.43	19.41	19.53	20.4
5	64QAM	1	12	19.44	19.44	19.36	
5	64QAM	1	24	19.47	19.56	19.46	
5	64QAM	12	0	19.23	19.22	19.31	20.4
5	64QAM	12	7	19.29	19.25	19.29	
5	64QAM	12	13	19.29	19.25	19.30	
5	64QAM	25	0	19.33	19.25	19.29	
5	256QAM	1	0	19.40	19.22	19.42	20.4
5	256QAM	1	12	19.01	19.11	18.98	
5	256QAM	1	24	18.98	19.08	18.99	
5	256QAM	12	0	19.02	19.02	18.93	20.4
5	256QAM	12	7	19.00	19.03	18.96	
5	256QAM	12	13	19.03	19.00	18.96	
5	256QAM	25	0	19.01	18.95	18.93	



<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	19.37	19.45	19.44	19.7
20	QPSK	1	49	19.35	19.33	19.37	
20	QPSK	1	99	19.33	19.34	19.40	
20	QPSK	50	0	19.37	19.39	19.38	19.7
20	QPSK	50	24	19.34	19.38	19.36	
20	QPSK	50	50	19.35	19.36	19.37	
20	QPSK	100	0	19.37	19.41	19.39	
20	16QAM	1	0	19.63	19.42	19.51	19.7
20	16QAM	1	49	19.57	19.48	19.44	
20	16QAM	1	99	19.56	19.54	19.42	
20	16QAM	50	0	19.33	19.26	19.31	19.7
20	16QAM	50	24	19.30	19.29	19.30	
20	16QAM	50	50	19.33	19.33	19.30	
20	16QAM	100	0	19.34	19.29	19.31	
20	64QAM	1	0	19.47	19.48	19.54	19.7
20	64QAM	1	49	19.46	19.53	19.44	
20	64QAM	1	99	19.54	19.62	19.54	
20	64QAM	50	0	19.32	19.29	19.32	19.7
20	64QAM	50	24	19.33	19.31	19.30	
20	64QAM	50	50	19.34	19.34	19.32	
20	64QAM	100	0	19.35	19.28	19.31	
20	256QAM	1	0	19.43	19.29	19.50	19.7
20	256QAM	1	49	19.01	19.19	19.02	
20	256QAM	1	99	19.04	19.16	19.04	
20	256QAM	50	0	18.95	19.07	18.94	19.7
20	256QAM	50	24	18.96	19.04	18.91	
20	256QAM	50	50	18.99	19.04	18.91	
20	256QAM	100	0	18.95	19.04	18.95	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	19.29	19.38	19.36	19.7
15	QPSK	1	37	19.33	19.32	19.28	
15	QPSK	1	74	19.26	19.27	19.32	
15	QPSK	36	0	19.29	19.32	19.36	19.7
15	QPSK	36	20	19.34	19.34	19.32	
15	QPSK	36	39	19.26	19.32	19.31	
15	QPSK	75	0	19.35	19.35	19.30	
15	16QAM	1	0	19.56	19.33	19.43	19.7
15	16QAM	1	37	19.49	19.47	19.42	
15	16QAM	1	74	19.53	19.49	19.38	
15	16QAM	36	0	19.32	19.21	19.27	19.7
15	16QAM	36	20	19.29	19.27	19.24	
15	16QAM	36	39	19.30	19.32	19.24	
15	16QAM	75	0	19.26	19.26	19.29	
15	64QAM	1	0	19.44	19.39	19.53	19.7
15	64QAM	1	37	19.37	19.46	19.42	
15	64QAM	1	74	19.53	19.60	19.53	
15	64QAM	36	0	19.25	19.21	19.30	19.7
15	64QAM	36	20	19.25	19.25	19.26	
15	64QAM	36	39	19.25	19.31	19.30	
15	64QAM	75	0	19.27	19.25	19.26	
15	256QAM	1	0	19.35	19.28	19.43	19.7
15	256QAM	1	37	18.91	19.15	18.98	
15	256QAM	1	74	19.03	19.12	18.96	
15	256QAM	36	0	18.94	18.98	18.90	19.7
15	256QAM	36	20	18.90	19.00	19.00	



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15	256QAM	36	39	19.01	19.02	19.00	
15	256QAM	75	0	18.93	19.02	19.00	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.36	19.43	19.37	19.7
10	QPSK	1	25	19.30	19.25	19.36	
10	QPSK	1	49	19.24	19.32	19.39	
10	QPSK	25	0	19.32	19.34	19.32	19.7
10	QPSK	25	12	19.35	19.37	19.28	
10	QPSK	25	25	19.34	19.31	19.33	
10	QPSK	50	0	19.29	19.33	19.33	19.7
10	16QAM	1	0	19.56	19.34	19.50	
10	16QAM	1	25	19.52	19.43	19.39	
10	16QAM	1	49	19.55	19.51	19.37	19.7
10	16QAM	25	0	19.24	19.21	19.27	
10	16QAM	25	12	19.24	19.24	19.28	
10	16QAM	25	25	19.27	19.28	19.27	19.7
10	16QAM	50	0	19.32	19.25	19.22	
10	64QAM	1	0	19.46	19.46	19.45	
10	64QAM	1	25	19.39	19.52	19.39	19.7
10	64QAM	1	49	19.50	19.57	19.52	
10	64QAM	25	0	19.27	19.26	19.26	
10	64QAM	25	12	19.24	19.26	19.24	19.7
10	64QAM	25	25	19.27	19.32	19.28	
10	64QAM	50	0	19.26	19.26	19.24	
10	256QAM	1	0	19.39	19.25	19.49	19.7
10	256QAM	1	25	18.90	19.17	19.00	
10	256QAM	1	49	18.96	19.08	19.03	
10	256QAM	25	0	18.94	18.98	19.00	19.7
10	256QAM	25	12	18.96	18.95	19.00	
10	256QAM	25	25	18.93	18.99	19.00	
10	256QAM	50	0	18.99	19.01	18.93	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	19.30	19.37	19.42	19.7
5	QPSK	1	12	19.33	19.29	19.32	
5	QPSK	1	24	19.31	19.33	19.33	
5	QPSK	12	0	19.29	19.38	19.30	19.7
5	QPSK	12	7	19.33	19.33	19.33	
5	QPSK	12	13	19.32	19.31	19.30	
5	QPSK	25	0	19.30	19.37	19.37	19.7
5	16QAM	1	0	19.55	19.40	19.46	
5	16QAM	1	12	19.49	19.41	19.38	
5	16QAM	1	24	19.55	19.46	19.33	19.7
5	16QAM	12	0	19.27	19.19	19.25	
5	16QAM	12	7	19.24	19.21	19.25	
5	16QAM	12	13	19.25	19.25	19.23	19.7
5	16QAM	25	0	19.31	19.24	19.25	
5	64QAM	1	0	19.43	19.41	19.53	
5	64QAM	1	12	19.44	19.44	19.36	19.7
5	64QAM	1	24	19.47	19.56	19.46	
5	64QAM	12	0	19.23	19.22	19.31	
5	64QAM	12	7	19.29	19.25	19.29	19.7
5	64QAM	12	13	19.29	19.25	19.30	
5	64QAM	25	0	19.33	19.25	19.29	
5	256QAM	1	0	19.40	19.22	19.42	19.7
5	256QAM	1	12	19.01	19.11	18.98	
5	256QAM	1	24	18.98	19.08	18.99	
5	256QAM	12	0	19.02	19.02	18.93	19.7
5	256QAM	12	7	19.00	19.03	18.96	
5	256QAM	12	13	19.03	19.00	18.96	
5	256QAM	25	0	19.01	18.95	18.93	



<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	24.34	24.37	24.35	25.5
10	QPSK	1	25	24.18	24.15	24.13	
10	QPSK	1	49	24.31	24.29	24.28	
10	QPSK	25	0	23.29	23.32	23.29	24.5
10	QPSK	25	12	23.27	23.25	23.28	
10	QPSK	25	25	23.28	23.26	23.28	
10	QPSK	50	0	23.29	23.31	23.28	24.5
10	16QAM	1	0	23.69	23.64	23.64	
10	16QAM	1	25	23.60	23.53	23.60	
10	16QAM	1	49	23.63	23.56	23.52	23.5
10	16QAM	25	0	22.36	22.35	22.41	
10	16QAM	25	12	22.40	22.40	22.43	
10	16QAM	25	25	22.41	22.40	22.42	23.5
10	16QAM	50	0	22.38	22.36	22.39	
10	64QAM	1	0	22.31	22.43	22.50	
10	64QAM	1	25	22.43	22.47	22.46	23.5
10	64QAM	1	49	22.49	22.48	22.39	
10	64QAM	25	0	21.34	21.35	21.40	
10	64QAM	25	12	21.41	21.39	21.43	22.5
10	64QAM	25	25	21.41	21.23	21.44	
10	64QAM	50	0	21.46	21.43	21.46	
10	256QAM	1	0	19.73	19.82	19.77	20.5
10	256QAM	1	25	19.68	19.51	19.60	
10	256QAM	1	49	19.75	19.59	19.64	
10	256QAM	25	0	19.66	19.54	19.75	20.5
10	256QAM	25	12	19.55	19.56	19.62	
10	256QAM	25	25	19.56	19.45	19.60	
10	256QAM	50	0	19.67	19.52	19.66	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.29	24.29	24.26	25.5
5	QPSK	1	12	24.10	24.10	24.06	
5	QPSK	1	24	24.27	24.29	24.28	
5	QPSK	12	0	23.21	23.26	23.23	24.5
5	QPSK	12	7	23.17	23.20	23.19	
5	QPSK	12	13	23.27	23.26	23.26	
5	QPSK	25	0	23.29	23.25	23.18	24.5
5	16QAM	1	0	23.66	23.58	23.60	
5	16QAM	1	12	23.60	23.53	23.55	
5	16QAM	1	24	23.56	23.55	23.50	23.5
5	16QAM	12	0	22.28	22.35	22.41	
5	16QAM	12	7	22.35	22.39	22.42	
5	16QAM	12	13	22.40	22.31	22.37	23.5
5	16QAM	25	0	22.32	22.26	22.31	
5	64QAM	1	0	22.23	22.41	22.42	
5	64QAM	1	12	22.41	22.46	22.43	23.5
5	64QAM	1	24	22.48	22.42	22.39	
5	64QAM	12	0	21.34	21.31	21.39	
5	64QAM	12	7	21.39	21.38	21.37	22.5
5	64QAM	12	13	21.31	21.15	21.37	
5	64QAM	25	0	21.43	21.42	21.42	
5	256QAM	1	0	19.69	19.82	19.74	20.5
5	256QAM	1	12	19.60	19.50	19.50	
5	256QAM	1	24	19.65	19.58	19.64	
5	256QAM	12	0	19.57	19.50	19.75	20.5
5	256QAM	12	7	19.50	19.55	19.58	
5	256QAM	12	13	19.51	19.38	19.50	



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5	256QAM	25	0	19.65	19.50	19.64	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.26	24.35	24.29	25.5
3	QPSK	1	8	24.11	24.14	24.04	
3	QPSK	1	14	24.28	24.21	24.25	
3	QPSK	8	0	23.21	23.30	23.21	24.5
3	QPSK	8	4	23.24	23.17	23.19	
3	QPSK	8	7	23.28	23.22	23.19	
3	QPSK	15	0	23.24	23.29	23.25	
3	16QAM	1	0	23.61	23.61	23.60	24.5
3	16QAM	1	8	23.58	23.47	23.55	
3	16QAM	1	14	23.62	23.55	23.44	
3	16QAM	8	0	22.34	22.33	22.33	23.5
3	16QAM	8	4	22.40	22.35	22.37	
3	16QAM	8	7	22.32	22.35	22.42	
3	16QAM	15	0	22.30	22.29	22.37	
3	64QAM	1	0	22.28	22.33	22.42	
3	64QAM	1	8	22.37	22.45	22.39	23.5
3	64QAM	1	14	22.44	22.41	22.36	
3	64QAM	8	0	21.28	21.25	21.36	
3	64QAM	8	4	21.41	21.39	21.33	22.5
3	64QAM	8	7	21.32	21.21	21.40	
3	64QAM	15	0	21.45	21.43	21.40	
3	256QAM	1	0	19.66	19.73	19.77	
3	256QAM	1	8	19.58	19.48	19.59	20.5
3	256QAM	1	14	19.71	19.49	19.60	
3	256QAM	8	0	19.63	19.50	19.66	
3	256QAM	8	4	19.52	19.53	19.55	20.5
3	256QAM	8	7	19.50	19.36	19.58	
3	256QAM	15	0	19.64	19.51	19.56	
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.30	24.29	24.28	25.5
1.4	QPSK	1	3	24.23	24.23	24.23	
1.4	QPSK	1	5	24.25	24.23	24.28	
1.4	QPSK	3	0	24.19	24.18	24.24	
1.4	QPSK	3	1	24.22	24.21	24.27	
1.4	QPSK	3	3	24.26	24.24	24.31	
1.4	QPSK	6	0	23.27	23.25	23.31	24.5
1.4	16QAM	1	0	23.67	23.54	23.56	24.5
1.4	16QAM	1	3	23.57	23.61	23.49	
1.4	16QAM	1	5	23.54	23.63	23.50	
1.4	16QAM	3	0	23.43	23.40	23.35	
1.4	16QAM	3	1	23.43	23.41	23.38	
1.4	16QAM	3	3	23.41	23.36	23.30	
1.4	16QAM	6	0	22.34	22.33	22.36	23.5
1.4	64QAM	1	0	22.39	22.39	22.42	23.5
1.4	64QAM	1	3	22.45	22.38	22.35	
1.4	64QAM	1	5	22.45	22.39	22.43	
1.4	64QAM	3	0	22.18	22.31	22.37	
1.4	64QAM	3	1	22.36	22.31	22.36	
1.4	64QAM	3	3	22.29	22.37	22.34	
1.4	64QAM	6	0	21.34	21.30	21.30	22.5
1.4	256QAM	1	0	19.61	19.69	19.63	20.5
1.4	256QAM	1	3	19.60	19.56	19.60	
1.4	256QAM	1	5	19.56	19.58	19.52	
1.4	256QAM	3	0	19.53	19.54	19.51	
1.4	256QAM	3	1	19.49	19.54	19.41	
1.4	256QAM	3	3	19.55	19.55	19.51	
1.4	256QAM	6	0	19.40	19.51	19.45	20.5



<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	23.19	23.15	23.18	24.7
10	QPSK	1	25	23.18	23.15	23.16	
10	QPSK	1	49	23.17	23.12	23.06	
10	QPSK	25	0	23.14	23.11	23.09	24.1
10	QPSK	25	12	23.13	23.03	23.10	
10	QPSK	25	25	23.07	23.07	23.12	
10	QPSK	50	0	23.05	23.06	23.10	24.1
10	16QAM	1	0	23.43	23.45	23.44	
10	16QAM	1	25	23.47	23.56	23.48	
10	16QAM	1	49	23.55	23.50	23.36	23.1
10	16QAM	25	0	22.69	22.69	22.66	
10	16QAM	25	12	22.66	22.66	22.67	
10	16QAM	25	25	22.64	22.67	22.70	23.1
10	16QAM	50	0	22.66	22.67	22.69	
10	64QAM	1	0	22.70	22.67	22.80	
10	64QAM	1	25	22.73	22.72	22.71	23.1
10	64QAM	1	49	22.74	22.68	22.74	
10	64QAM	25	0	21.68	21.70	21.65	
10	64QAM	25	12	21.68	21.69	21.66	22.1
10	64QAM	25	25	21.69	21.69	21.69	
10	64QAM	50	0	21.71	21.72	21.75	
10	256QAM	1	0	19.44	19.51	19.53	19.7
10	256QAM	1	25	19.51	19.31	19.50	
10	256QAM	1	49	19.41	19.31	19.48	
10	256QAM	25	0	19.35	19.22	19.49	19.7
10	256QAM	25	12	19.32	19.21	19.28	
10	256QAM	25	25	19.29	19.16	19.41	
10	256QAM	50	0	19.42	19.30	19.40	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.14	23.09	23.14	24.7
5	QPSK	1	12	23.09	23.10	23.10	
5	QPSK	1	24	23.13	23.05	23.02	
5	QPSK	12	0	23.10	23.07	23.01	24.1
5	QPSK	12	7	23.03	22.93	23.10	
5	QPSK	12	13	23.07	22.98	23.12	
5	QPSK	25	0	22.99	23.05	23.06	24.1
5	16QAM	1	0	23.40	23.35	23.34	
5	16QAM	1	12	23.40	23.50	23.38	
5	16QAM	1	24	23.45	23.45	23.31	23.1
5	16QAM	12	0	22.66	22.62	22.59	
5	16QAM	12	7	22.64	22.59	22.66	
5	16QAM	12	13	22.61	22.67	22.64	23.1
5	16QAM	25	0	22.57	22.66	22.68	
5	64QAM	1	0	22.63	22.57	22.71	
5	64QAM	1	12	22.67	22.64	22.66	23.1
5	64QAM	1	24	22.64	22.61	22.70	
5	64QAM	12	0	21.67	21.66	21.61	
5	64QAM	12	7	21.64	21.69	21.64	22.1
5	64QAM	12	13	21.60	21.67	21.68	
5	64QAM	25	0	21.71	21.67	21.66	
5	256QAM	1	0	19.42	19.42	19.52	19.7
5	256QAM	1	12	19.47	19.26	19.43	
5	256QAM	1	24	19.40	19.25	19.46	
5	256QAM	12	0	19.25	19.12	19.40	19.7
5	256QAM	12	7	19.22	19.18	19.22	
5	256QAM	12	13	19.23	19.10	19.36	



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5	256QAM	25	0	19.39	19.27	19.31	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.09	23.06	23.10	24.7
3	QPSK	1	8	23.08	23.13	23.06	
3	QPSK	1	14	23.09	23.09	23.01	
3	QPSK	8	0	23.04	23.04	23.09	24.1
3	QPSK	8	4	23.06	23.01	23.10	
3	QPSK	8	7	23.02	22.98	23.10	
3	QPSK	15	0	22.99	22.97	23.09	24.1
3	16QAM	1	0	23.34	23.43	23.42	
3	16QAM	1	8	23.41	23.49	23.43	
3	16QAM	1	14	23.52	23.47	23.32	23.1
3	16QAM	8	0	22.67	22.69	22.63	
3	16QAM	8	4	22.58	22.65	22.65	
3	16QAM	8	7	22.57	22.61	22.65	23.1
3	16QAM	15	0	22.66	22.60	22.67	
3	64QAM	1	0	22.67	22.63	22.78	
3	64QAM	1	8	22.63	22.69	22.70	23.1
3	64QAM	1	14	22.74	22.66	22.64	
3	64QAM	8	0	21.68	21.62	21.64	
3	64QAM	8	4	21.65	21.62	21.58	22.1
3	64QAM	8	7	21.68	21.65	21.67	
3	64QAM	15	0	21.63	21.62	21.70	
3	256QAM	1	0	19.34	19.49	19.53	19.7
3	256QAM	1	8	19.45	19.23	19.50	
3	256QAM	1	14	19.39	19.26	19.46	
3	256QAM	8	0	19.26	19.17	19.45	19.7
3	256QAM	8	4	19.25	19.21	19.19	
3	256QAM	8	7	19.20	19.13	19.31	
3	256QAM	15	0	19.36	19.29	19.37	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.12	23.10	23.06	24.7
1.4	QPSK	1	3	23.09	23.04	23.00	
1.4	QPSK	1	5	23.13	22.94	23.08	
1.4	QPSK	3	0	23.08	23.04	23.03	
1.4	QPSK	3	1	23.11	23.06	23.04	
1.4	QPSK	3	3	23.05	23.00	23.02	
1.4	QPSK	6	0	23.06	23.02	23.04	24.1
1.4	16QAM	1	0	23.39	23.42	23.33	24.1
1.4	16QAM	1	3	23.35	23.39	23.27	
1.4	16QAM	1	5	23.28	23.44	23.27	
1.4	16QAM	3	0	23.18	23.16	23.08	
1.4	16QAM	3	1	23.22	23.20	23.15	
1.4	16QAM	3	3	23.07	23.21	23.16	
1.4	16QAM	6	0	22.60	22.55	22.49	23.1
1.4	64QAM	1	0	22.76	22.71	22.56	23.1
1.4	64QAM	1	3	22.70	22.65	22.56	
1.4	64QAM	1	5	22.69	22.64	22.54	
1.4	64QAM	3	0	22.59	22.55	22.49	
1.4	64QAM	3	1	22.58	22.58	22.52	
1.4	64QAM	3	3	22.60	22.61	22.51	
1.4	64QAM	6	0	21.57	21.56	21.46	22.1
1.4	256QAM	1	0	19.36	19.49	19.44	19.7
1.4	256QAM	1	3	19.51	19.23	19.42	
1.4	256QAM	1	5	19.40	19.23	19.44	
1.4	256QAM	3	0	19.28	19.21	19.42	
1.4	256QAM	3	1	19.30	19.15	19.18	
1.4	256QAM	3	3	19.23	19.13	19.35	
1.4	256QAM	6	0	19.42	19.30	19.33	19.7



<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	23.19	23.15	23.18	24
10	QPSK	1	25	23.18	23.15	23.16	
10	QPSK	1	49	23.17	23.12	23.06	
10	QPSK	25	0	23.14	23.11	23.09	24
10	QPSK	25	12	23.13	23.03	23.10	
10	QPSK	25	25	23.07	23.07	23.12	
10	QPSK	50	0	23.05	23.06	23.10	24
10	16QAM	1	0	23.43	23.45	23.44	
10	16QAM	1	25	23.47	23.56	23.48	
10	16QAM	1	49	23.55	23.50	23.36	23
10	16QAM	25	0	22.69	22.69	22.66	
10	16QAM	25	12	22.66	22.66	22.67	
10	16QAM	25	25	22.64	22.67	22.70	23
10	16QAM	50	0	22.66	22.67	22.69	
10	64QAM	1	0	22.70	22.67	22.80	
10	64QAM	1	25	22.73	22.72	22.71	22
10	64QAM	1	49	22.74	22.68	22.74	
10	64QAM	25	0	21.68	21.70	21.65	
10	64QAM	25	12	21.68	21.69	21.66	20
10	64QAM	25	25	21.69	21.69	21.69	
10	64QAM	50	0	21.71	21.72	21.75	
10	256QAM	1	0	19.44	19.51	19.53	20
10	256QAM	1	25	19.51	19.31	19.50	
10	256QAM	1	49	19.41	19.31	19.48	
10	256QAM	25	0	19.35	19.22	19.49	20
10	256QAM	25	12	19.32	19.21	19.28	
10	256QAM	25	25	19.29	19.16	19.41	
10	256QAM	50	0	19.42	19.30	19.40	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.14	23.09	23.14	24
5	QPSK	1	12	23.09	23.10	23.10	
5	QPSK	1	24	23.13	23.05	23.02	
5	QPSK	12	0	23.10	23.07	23.01	24
5	QPSK	12	7	23.03	22.93	23.10	
5	QPSK	12	13	23.07	22.98	23.12	
5	QPSK	25	0	22.99	23.05	23.06	24
5	16QAM	1	0	23.40	23.35	23.34	
5	16QAM	1	12	23.40	23.50	23.38	
5	16QAM	1	24	23.45	23.45	23.31	23
5	16QAM	12	0	22.66	22.62	22.59	
5	16QAM	12	7	22.64	22.59	22.66	
5	16QAM	12	13	22.61	22.67	22.64	23
5	16QAM	25	0	22.57	22.66	22.68	
5	64QAM	1	0	22.63	22.57	22.71	
5	64QAM	1	12	22.67	22.64	22.66	22
5	64QAM	1	24	22.64	22.61	22.70	
5	64QAM	12	0	21.67	21.66	21.61	
5	64QAM	12	7	21.64	21.69	21.64	20
5	64QAM	12	13	21.60	21.67	21.68	
5	64QAM	25	0	21.71	21.67	21.66	
5	256QAM	1	0	19.42	19.42	19.52	20
5	256QAM	1	12	19.47	19.26	19.43	
5	256QAM	1	24	19.40	19.25	19.46	
5	256QAM	12	0	19.25	19.12	19.40	20
5	256QAM	12	7	19.22	19.18	19.22	



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5	256QAM	12	13	19.23	19.10	19.36	
5	256QAM	25	0	19.39	19.27	19.31	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.09	23.06	23.10	24
3	QPSK	1	8	23.08	23.13	23.06	
3	QPSK	1	14	23.09	23.09	23.01	
3	QPSK	8	0	23.04	23.04	23.09	24
3	QPSK	8	4	23.06	23.01	23.10	
3	QPSK	8	7	23.02	22.98	23.10	
3	QPSK	15	0	22.99	22.97	23.09	
3	16QAM	1	0	23.34	23.43	23.42	24
3	16QAM	1	8	23.41	23.49	23.43	
3	16QAM	1	14	23.52	23.47	23.32	
3	16QAM	8	0	22.67	22.69	22.63	23
3	16QAM	8	4	22.58	22.65	22.65	
3	16QAM	8	7	22.57	22.61	22.65	
3	16QAM	15	0	22.66	22.60	22.67	
3	64QAM	1	0	22.67	22.63	22.78	23
3	64QAM	1	8	22.63	22.69	22.70	
3	64QAM	1	14	22.74	22.66	22.64	
3	64QAM	8	0	21.68	21.62	21.64	22
3	64QAM	8	4	21.65	21.62	21.58	
3	64QAM	8	7	21.68	21.65	21.67	
3	64QAM	15	0	21.63	21.62	21.70	
3	256QAM	1	0	19.34	19.49	19.53	20
3	256QAM	1	8	19.45	19.23	19.50	
3	256QAM	1	14	19.39	19.26	19.46	
3	256QAM	8	0	19.26	19.17	19.45	20
3	256QAM	8	4	19.25	19.21	19.19	
3	256QAM	8	7	19.20	19.13	19.31	
3	256QAM	15	0	19.36	19.29	19.37	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.12	23.10	23.06	24
1.4	QPSK	1	3	23.09	23.04	23.00	
1.4	QPSK	1	5	23.13	22.94	23.08	
1.4	QPSK	3	0	23.08	23.04	23.03	
1.4	QPSK	3	1	23.11	23.06	23.04	
1.4	QPSK	3	3	23.05	23.00	23.02	
1.4	QPSK	6	0	23.06	23.02	23.04	24
1.4	16QAM	1	0	23.39	23.42	23.33	24
1.4	16QAM	1	3	23.35	23.39	23.27	
1.4	16QAM	1	5	23.28	23.44	23.27	
1.4	16QAM	3	0	23.18	23.16	23.08	
1.4	16QAM	3	1	23.22	23.20	23.15	
1.4	16QAM	3	3	23.07	23.21	23.16	
1.4	16QAM	6	0	22.60	22.55	22.49	23
1.4	64QAM	1	0	22.76	22.71	22.56	23
1.4	64QAM	1	3	22.70	22.65	22.56	
1.4	64QAM	1	5	22.69	22.64	22.54	
1.4	64QAM	3	0	22.59	22.55	22.49	
1.4	64QAM	3	1	22.58	22.58	22.52	
1.4	64QAM	3	3	22.60	22.61	22.51	
1.4	64QAM	6	0	21.57	21.56	21.46	22
1.4	256QAM	1	0	19.36	19.49	19.44	20
1.4	256QAM	1	3	19.51	19.23	19.42	
1.4	256QAM	1	5	19.40	19.23	19.44	
1.4	256QAM	3	0	19.28	19.21	19.42	
1.4	256QAM	3	1	19.30	19.15	19.18	
1.4	256QAM	3	3	19.23	19.13	19.35	
1.4	256QAM	6	0	19.42	19.30	19.33	20



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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				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.31	24.32	24.29	
10	QPSK	1	25	24.18	24.17	24.13	
10	QPSK	1	49	24.30	24.26	24.25	
10	QPSK	25	0	23.39	23.34	23.39	24.1
10	QPSK	25	12	23.36	23.31	23.35	
10	QPSK	25	25	23.35	23.32	23.38	
10	QPSK	50	0	23.37	23.34	23.36	24.1
10	16QAM	1	0	23.65	23.56	23.64	
10	16QAM	1	25	23.64	23.67	23.69	
10	16QAM	1	49	23.67	23.59	23.52	23.1
10	16QAM	25	0	22.40	22.38	22.43	
10	16QAM	25	12	22.43	22.38	22.48	
10	16QAM	25	25	22.41	22.45	22.47	23.1
10	16QAM	50	0	22.43	22.44	22.47	
10	64QAM	1	0	22.49	22.46	22.40	
10	64QAM	1	25	22.47	22.43	22.36	22.1
10	64QAM	1	49	22.49	22.42	22.42	
10	64QAM	25	0	21.40	21.39	21.45	
10	64QAM	25	12	21.47	21.40	21.48	20.1
10	64QAM	25	25	21.47	21.48	21.49	
10	64QAM	50	0	21.49	21.51	21.53	
10	256QAM	1	0	19.81	19.83	19.75	20.1
10	256QAM	1	25	19.77	19.64	19.75	
10	256QAM	1	49	19.76	19.62	19.71	
10	256QAM	25	0	19.69	19.60	19.74	20.1
10	256QAM	25	12	19.63	19.56	19.62	
10	256QAM	25	25	19.60	19.50	19.68	
10	256QAM	50	0	19.72	19.52	19.72	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.17	24.06	24.11	
5	QPSK	1	12	24.17	24.12	24.11	
5	QPSK	1	24	24.19	24.14	24.18	
5	QPSK	12	0	23.19	23.13	23.21	24.1
5	QPSK	12	7	23.23	23.21	23.22	
5	QPSK	12	13	23.24	23.19	23.18	
5	QPSK	25	0	23.24	23.12	23.24	24.1
5	16QAM	1	0	23.62	23.52	23.52	
5	16QAM	1	12	23.61	23.64	23.56	
5	16QAM	1	24	23.48	23.53	23.37	23.1
5	16QAM	12	0	22.14	22.12	22.17	
5	16QAM	12	7	22.18	22.17	22.27	
5	16QAM	12	13	22.16	22.28	22.20	23.1
5	16QAM	25	0	22.30	22.26	22.29	
5	64QAM	1	0	22.25	22.36	22.15	
5	64QAM	1	12	22.34	22.39	22.22	23.1
5	64QAM	1	24	22.28	22.34	22.27	
5	64QAM	12	0	21.19	21.18	21.23	
5	64QAM	12	7	21.24	21.21	21.29	22.1
5	64QAM	12	13	21.23	21.30	21.27	
5	64QAM	25	0	21.36	21.28	21.32	
5	256QAM	1	0	19.88	19.87	19.80	20.1
5	256QAM	1	12	19.76	19.73	19.71	
5	256QAM	1	24	19.75	19.68	19.68	
5	256QAM	12	0	19.66	19.66	19.65	20.1
5	256QAM	12	7	19.59	19.61	19.58	
5	256QAM	12	13	19.51	19.61	19.58	



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5	256QAM	25	0	19.69	19.64	19.70	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.30	24.24	24.24	25.1
3	QPSK	1	8	24.16	24.11	24.10	
3	QPSK	1	14	24.26	24.22	24.21	
3	QPSK	8	0	23.24	23.22	23.27	24.1
3	QPSK	8	4	23.26	23.27	23.24	
3	QPSK	8	7	23.28	23.28	23.26	
3	QPSK	15	0	23.28	23.24	23.23	
3	16QAM	1	0	23.76	23.61	23.62	24.1
3	16QAM	1	8	23.63	23.68	23.56	
3	16QAM	1	14	23.58	23.59	23.51	
3	16QAM	8	0	22.17	22.18	22.18	23.1
3	16QAM	8	4	22.23	22.28	22.30	
3	16QAM	8	7	22.20	22.29	22.22	
3	16QAM	15	0	22.24	22.28	22.25	
3	64QAM	1	0	22.32	22.47	22.25	23.1
3	64QAM	1	8	22.41	22.34	22.23	
3	64QAM	1	14	22.28	22.33	22.32	
3	64QAM	8	0	21.25	21.31	21.22	22.1
3	64QAM	8	4	21.32	21.34	21.30	
3	64QAM	8	7	21.27	21.45	21.30	
3	64QAM	15	0	21.33	21.34	21.33	
3	256QAM	1	0	19.87	19.88	19.81	20.1
3	256QAM	1	8	19.75	19.80	19.67	
3	256QAM	1	14	19.70	19.74	19.66	
3	256QAM	8	0	19.69	19.68	19.71	20.1
3	256QAM	8	4	19.58	19.58	19.57	
3	256QAM	8	7	19.51	19.64	19.66	
3	256QAM	15	0	19.70	19.66	19.62	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.25	24.24	24.24	25.1
1.4	QPSK	1	3	24.13	24.12	24.11	
1.4	QPSK	1	5	24.28	24.24	24.26	
1.4	QPSK	3	0	24.27	24.25	24.23	
1.4	QPSK	3	1	24.22	24.20	24.29	
1.4	QPSK	3	3	24.26	24.25	24.25	
1.4	QPSK	6	0	23.29	23.28	23.28	24.1
1.4	16QAM	1	0	23.64	23.59	23.54	24.1
1.4	16QAM	1	3	23.56	23.70	23.50	
1.4	16QAM	1	5	23.50	23.67	23.48	
1.4	16QAM	3	0	23.40	23.42	23.39	
1.4	16QAM	3	1	23.35	23.43	23.42	
1.4	16QAM	3	3	23.34	23.44	23.33	
1.4	16QAM	6	0	22.33	22.37	22.34	23.1
1.4	64QAM	1	0	22.42	22.48	22.22	23.1
1.4	64QAM	1	3	22.41	22.40	22.19	
1.4	64QAM	1	5	22.38	22.43	22.34	
1.4	64QAM	3	0	22.33	22.34	22.37	
1.4	64QAM	3	1	22.39	22.34	22.41	
1.4	64QAM	3	3	22.38	22.46	22.36	
1.4	64QAM	6	0	21.34	21.34	21.32	22.1
1.4	256QAM	1	0	19.86	19.88	19.77	20.1
1.4	256QAM	1	3	19.74	19.78	19.75	
1.4	256QAM	1	5	19.69	19.69	19.68	
1.4	256QAM	3	0	19.61	19.67	19.73	
1.4	256QAM	3	1	19.53	19.66	19.54	
1.4	256QAM	3	3	19.56	19.65	19.59	
1.4	256QAM	6	0	19.66	19.63	19.68	20.1



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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				23230			25.5
Frequency (MHz)				782			
10	QPSK	1	0		24.65		25.5
10	QPSK	1	25		24.44		
10	QPSK	1	49		24.49		
10	QPSK	25	0		23.71		24.5
10	QPSK	25	12		23.70		
10	QPSK	25	25		23.67		
10	QPSK	50	0		23.71		24.5
10	16QAM	1	0		23.85		
10	16QAM	1	25		23.71		
10	16QAM	25	0		22.66		23.5
10	16QAM	25	12		22.70		
10	16QAM	25	25		22.68		
10	16QAM	50	0		22.69		23.5
10	64QAM	1	0		22.86		
10	64QAM	1	25		22.71		
10	64QAM	1	49		22.84		22.5
10	64QAM	25	0		21.70		
10	64QAM	25	12		21.68		
10	64QAM	25	25		21.67		20.5
10	64QAM	50	0		21.70		
10	256QAM	1	0		19.92		
10	256QAM	1	25		19.73		20.5
10	256QAM	1	49		19.79		
10	256QAM	25	0		19.75		
10	256QAM	25	12		19.76		20.5
10	256QAM	25	25		19.69		
10	256QAM	50	0		19.72		
Channel				23205	23230	23255	25.5
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.55	24.54	24.58	25.5
5	QPSK	1	12	24.60	24.60	24.58	
5	QPSK	1	24	24.56	24.56	24.55	
5	QPSK	12	0	23.57	23.56	23.57	24.5
5	QPSK	12	7	23.59	23.58	23.59	
5	QPSK	12	13	23.57	23.56	23.56	
5	QPSK	25	0	23.63	23.62	23.66	24.5
5	16QAM	1	0	23.81	23.80	23.81	
5	16QAM	1	12	23.75	23.68	23.78	
5	16QAM	1	24	23.71	23.74	23.71	23.5
5	16QAM	12	0	22.58	22.57	22.59	
5	16QAM	12	7	22.59	22.57	22.62	
5	16QAM	12	13	22.55	22.54	22.58	23.5
5	16QAM	25	0	22.61	22.62	22.65	
5	64QAM	1	0	22.69	22.60	22.70	
5	64QAM	1	12	22.70	22.68	22.75	23.5
5	64QAM	1	24	22.64	22.63	22.61	
5	64QAM	12	0	21.60	21.67	21.65	
5	64QAM	12	7	21.63	21.66	21.67	22.5
5	64QAM	12	13	21.65	21.64	21.62	
5	64QAM	25	0	21.63	21.59	21.62	
5	256QAM	1	0	19.91	20.07	20.03	20.5
5	256QAM	1	12	19.87	19.94	19.99	
5	256QAM	1	24	19.88	19.99	19.94	
5	256QAM	12	0	19.91	19.91	19.91	20.5
5	256QAM	12	7	19.82	19.85	19.89	
5	256QAM	12	13	19.89	19.88	19.86	
5	256QAM	25	0	19.84	19.84	19.88	



<LTE Band 13_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				23230			24.7
Frequency (MHz)				782			
10	QPSK	1	0		24.65		24.7
10	QPSK	1	25		24.44		
10	QPSK	1	49		24.49		
10	QPSK	25	0		23.71		24.2
10	QPSK	25	12		23.70		
10	QPSK	25	25		23.67		
10	QPSK	50	0		23.71		24.2
10	16QAM	1	0		23.85		
10	16QAM	1	25		23.71		
10	16QAM	1	49		23.71		23.2
10	16QAM	25	0		22.66		
10	16QAM	25	12		22.70		
10	16QAM	25	25		22.68		23.2
10	16QAM	50	0		22.69		
10	64QAM	1	0		22.86		
10	64QAM	1	25		22.71		23.2
10	64QAM	1	49		22.84		
10	64QAM	25	0		21.70		
10	64QAM	25	12		21.68		22.2
10	64QAM	25	25		21.67		
10	64QAM	50	0		21.70		
10	256QAM	1	0		19.92		20.2
10	256QAM	1	25		19.73		
10	256QAM	1	49		19.79		
10	256QAM	25	0		19.75		20.2
10	256QAM	25	12		19.76		
10	256QAM	25	25		19.69		
10	256QAM	50	0		19.72		
Channel				23205	23230	23255	24.7
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.55	24.54	24.58	24.7
5	QPSK	1	12	24.60	24.60	24.58	
5	QPSK	1	24	24.56	24.56	24.55	
5	QPSK	12	0	23.57	23.56	23.57	24.2
5	QPSK	12	7	23.59	23.58	23.59	
5	QPSK	12	13	23.57	23.56	23.56	
5	QPSK	25	0	23.63	23.62	23.66	24.2
5	16QAM	1	0	23.81	23.80	23.81	
5	16QAM	1	12	23.75	23.68	23.78	
5	16QAM	1	24	23.71	23.74	23.71	23.2
5	16QAM	12	0	22.58	22.57	22.59	
5	16QAM	12	7	22.59	22.57	22.62	
5	16QAM	12	13	22.55	22.54	22.58	23.2
5	16QAM	25	0	22.61	22.62	22.65	
5	64QAM	1	0	22.69	22.60	22.70	
5	64QAM	1	12	22.70	22.68	22.75	23.2
5	64QAM	1	24	22.64	22.63	22.61	
5	64QAM	12	0	21.60	21.67	21.65	
5	64QAM	12	7	21.63	21.66	21.67	22.2
5	64QAM	12	13	21.65	21.64	21.62	
5	64QAM	25	0	21.63	21.59	21.62	
5	256QAM	1	0	19.91	20.07	20.03	20.2
5	256QAM	1	12	19.87	19.94	19.99	
5	256QAM	1	24	19.88	19.99	19.94	
5	256QAM	12	0	19.91	19.91	19.91	20.2
5	256QAM	12	7	19.82	19.85	19.89	
5	256QAM	12	13	19.89	19.88	19.86	
5	256QAM	25	0	19.84	19.84	19.88	



<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			
Frequency (MHz)				782			
10	QPSK	1	0		22.70		23.6
10	QPSK	1	25		22.52		
10	QPSK	1	49		22.52		
10	QPSK	25	0		22.68		23.6
10	QPSK	25	12		22.68		
10	QPSK	25	25		22.65		
10	QPSK	50	0		22.67		23.6
10	16QAM	1	0		22.88		
10	16QAM	1	25		22.79		
10	16QAM	1	49		22.86		23.1
10	16QAM	25	0		22.36		
10	16QAM	25	12		22.35		
10	16QAM	25	25		22.33		23.1
10	16QAM	50	0		22.33		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.48		23.1
10	64QAM	1	49		22.43		
10	64QAM	25	0		21.33		
10	64QAM	25	12		21.31		22.1
10	64QAM	25	25		21.28		
10	64QAM	50	0		21.33		
10	256QAM	1	0		19.28		20.1
10	256QAM	1	25		19.28		
10	256QAM	1	49		19.31		
10	256QAM	25	0		19.33		20.1
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.18		
10	256QAM	50	0		19.31		
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	22.70	22.69	22.62	23.6
5	QPSK	1	12	22.51	22.52	22.50	
5	QPSK	1	24	22.48	22.47	22.46	
5	QPSK	12	0	22.60	22.64	22.62	23.6
5	QPSK	12	7	22.61	22.62	22.68	
5	QPSK	12	13	22.65	22.61	22.59	
5	QPSK	25	0	22.57	22.65	22.67	23.6
5	16QAM	1	0	22.86	22.84	22.84	
5	16QAM	1	12	22.78	22.75	22.78	
5	16QAM	1	24	22.79	22.78	22.76	23.1
5	16QAM	12	0	22.27	22.30	22.26	
5	16QAM	12	7	22.27	22.32	22.33	
5	16QAM	12	13	22.30	22.33	22.27	23.1
5	16QAM	25	0	22.32	22.26	22.29	
5	64QAM	1	0	22.45	22.44	22.45	
5	64QAM	1	12	22.46	22.43	22.48	23.1
5	64QAM	1	24	22.36	22.39	22.38	
5	64QAM	12	0	21.31	21.25	21.28	
5	64QAM	12	7	21.28	21.29	21.25	22.1
5	64QAM	12	13	21.27	21.26	21.19	
5	64QAM	25	0	21.23	21.23	21.24	
5	256QAM	1	0	19.23	19.25	19.20	20.1
5	256QAM	1	12	19.24	19.25	19.18	
5	256QAM	1	24	19.23	19.24	19.29	
5	256QAM	12	0	19.32	19.27	19.24	20.1
5	256QAM	12	7	19.23	19.21	19.25	
5	256QAM	12	13	19.12	19.14	19.16	
5	256QAM	25	0	19.31	19.22	19.24	



<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			
Frequency (MHz)				782			
10	QPSK	1	0		22.70		22.9
10	QPSK	1	25		22.52		
10	QPSK	1	49		22.52		
10	QPSK	25	0		22.68		22.9
10	QPSK	25	12		22.68		
10	QPSK	25	25		22.65		
10	QPSK	50	0		22.67		22.9
10	16QAM	1	0		22.88		
10	16QAM	1	25		22.79		
10	16QAM	1	49		22.86		22.9
10	16QAM	25	0		22.36		
10	16QAM	25	12		22.35		
10	16QAM	25	25		22.33		22.9
10	16QAM	50	0		22.33		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.48		22.9
10	64QAM	1	49		22.43		
10	64QAM	25	0		21.33		
10	64QAM	25	12		21.31		21.9
10	64QAM	25	25		21.28		
10	64QAM	50	0		21.33		
10	256QAM	1	0		19.28		19.9
10	256QAM	1	25		19.28		
10	256QAM	1	49		19.31		
10	256QAM	25	0		19.33		19.9
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.18		
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	22.70	22.69	22.62	22.9
5	QPSK	1	12	22.51	22.52	22.50	
5	QPSK	1	24	22.48	22.47	22.46	
5	QPSK	12	0	22.60	22.64	22.62	22.9
5	QPSK	12	7	22.61	22.62	22.68	
5	QPSK	12	13	22.65	22.61	22.59	
5	QPSK	25	0	22.57	22.65	22.67	22.9
5	16QAM	1	0	22.86	22.84	22.84	
5	16QAM	1	12	22.78	22.75	22.78	
5	16QAM	1	24	22.79	22.78	22.76	22.9
5	16QAM	12	0	22.27	22.30	22.26	
5	16QAM	12	7	22.27	22.32	22.33	
5	16QAM	12	13	22.30	22.33	22.27	22.9
5	16QAM	25	0	22.32	22.26	22.29	
5	64QAM	1	0	22.45	22.44	22.45	
5	64QAM	1	12	22.46	22.43	22.48	22.9
5	64QAM	1	24	22.36	22.39	22.38	
5	64QAM	12	0	21.31	21.25	21.28	
5	64QAM	12	7	21.28	21.29	21.25	21.9
5	64QAM	12	13	21.27	21.26	21.19	
5	64QAM	25	0	21.23	21.23	21.24	
5	256QAM	1	0	19.23	19.25	19.20	19.9
5	256QAM	1	12	19.24	19.25	19.18	
5	256QAM	1	24	19.23	19.24	19.29	
5	256QAM	12	0	19.32	19.27	19.24	19.9
5	256QAM	12	7	19.23	19.21	19.25	
5	256QAM	12	13	19.12	19.14	19.16	
5	256QAM	25	0	19.31	19.22	19.24	



<LTE Band 13_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				23230			25.1
Frequency (MHz)				782			
10	QPSK	1	0		24.59		25.1
10	QPSK	1	25		24.40		
10	QPSK	1	49		24.50		
10	QPSK	25	0		23.72		24.1
10	QPSK	25	12		23.72		
10	QPSK	25	25		23.71		
10	QPSK	50	0		23.72		24.1
10	16QAM	1	0		23.88		
10	16QAM	1	25		23.66		
10	16QAM	1	49		23.81		24.1
10	16QAM	25	0		22.71		
10	16QAM	25	12		22.70		
10	16QAM	25	25		22.68		23.1
10	16QAM	50	0		22.65		
10	64QAM	1	0		22.72		
10	64QAM	1	25		22.58		23.1
10	64QAM	1	49		22.68		
10	64QAM	25	0		21.68		
10	64QAM	25	12		21.67		22.1
10	64QAM	25	25		21.62		
10	64QAM	50	0		21.69		
10	256QAM	1	0		20.00		20.1
10	256QAM	1	25		19.90		
10	256QAM	1	49		19.98		
10	256QAM	25	0		19.90		20.1
10	256QAM	25	12		19.91		
10	256QAM	25	25		19.86		
10	256QAM	50	0		19.84		
Channel				23205	23230	23255	25.1
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.53	24.55	24.55	25.1
5	QPSK	1	12	24.30	24.27	24.35	
5	QPSK	1	24	24.43	24.44	24.43	
5	QPSK	12	0	23.57	23.63	23.56	24.1
5	QPSK	12	7	23.57	23.56	23.61	
5	QPSK	12	13	23.59	23.57	23.57	
5	QPSK	25	0	23.56	23.60	23.54	24.1
5	16QAM	1	0	23.70	23.65	23.70	
5	16QAM	1	12	23.53	23.56	23.50	
5	16QAM	1	24	23.62	23.65	23.67	24.1
5	16QAM	12	0	22.58	22.60	22.58	
5	16QAM	12	7	22.53	22.52	22.54	
5	16QAM	12	13	22.50	22.55	22.50	23.1
5	16QAM	25	0	22.54	22.55	22.52	
5	64QAM	1	0	22.62	22.66	22.66	
5	64QAM	1	12	22.53	22.55	22.55	23.1
5	64QAM	1	24	22.60	22.63	22.57	
5	64QAM	12	0	21.49	21.49	21.52	
5	64QAM	12	7	21.50	21.58	21.53	22.1
5	64QAM	12	13	21.54	21.57	21.49	
5	64QAM	25	0	21.59	21.54	21.61	
5	256QAM	1	0	19.92	20.00	19.99	20.1
5	256QAM	1	12	19.85	19.81	19.86	
5	256QAM	1	24	19.89	19.97	19.97	
5	256QAM	12	0	19.93	19.93	19.93	20.1
5	256QAM	12	7	19.91	19.93	19.91	
5	256QAM	12	13	19.83	19.91	19.90	
5	256QAM	25	0	19.84	19.83	19.89	



<LTE Band 14_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				23330			25.5
Frequency (MHz)				793			
10	QPSK	1	0		25.07		25.5
10	QPSK	1	25		24.89		
10	QPSK	1	49		24.93		
10	QPSK	25	0		24.17		24.5
10	QPSK	25	12		24.15		
10	QPSK	25	25		24.09		
10	QPSK	50	0		24.14		24.5
10	16QAM	1	0		24.32		
10	16QAM	1	25		24.17		
10	16QAM	1	49		24.22		24.5
10	16QAM	25	0		23.12		
10	16QAM	25	12		23.13		
10	16QAM	25	25		23.11		23.5
10	16QAM	50	0		23.14		
10	64QAM	1	0		23.25		
10	64QAM	1	25		23.22		23.5
10	64QAM	1	49		23.29		
10	64QAM	25	0		22.14		
10	64QAM	25	12		22.14		22.5
10	64QAM	25	25		22.11		
10	64QAM	50	0		22.19		
10	256QAM	1	0		20.39		23.5
10	256QAM	1	25		20.27		
10	256QAM	1	49		20.21		
10	256QAM	25	0		20.20		20.5
10	256QAM	25	12		20.16		
10	256QAM	25	25		20.13		
10	256QAM	50	0		20.14		20.5
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	25.03	25.03	25.01	25.5
5	QPSK	1	12	25.06	25.01	25.01	
5	QPSK	1	24	25.01	24.99	25.00	
5	QPSK	12	0	24.05	24.06	24.05	24.5
5	QPSK	12	7	24.04	24.05	24.03	
5	QPSK	12	13	24.01	24.03	24.03	
5	QPSK	25	0	24.08	24.06	24.08	24.5
5	16QAM	1	0	24.30	24.29	24.24	
5	16QAM	1	12	24.24	24.29	24.25	
5	16QAM	1	24	24.20	24.27	24.24	24.5
5	16QAM	12	0	23.05	23.03	23.03	
5	16QAM	12	7	23.03	23.02	23.00	
5	16QAM	12	13	22.99	23.00	22.96	23.5
5	16QAM	25	0	23.07	23.05	23.05	
5	64QAM	1	0	23.13	23.15	23.08	
5	64QAM	1	12	23.15	23.18	23.11	23.5
5	64QAM	1	24	23.11	23.06	23.02	
5	64QAM	12	0	22.04	22.08	22.05	
5	64QAM	12	7	22.05	22.05	22.05	22.5
5	64QAM	12	13	22.05	22.05	22.01	
5	64QAM	25	0	22.04	22.05	22.04	
5	256QAM	1	0	20.33	20.28	20.39	20.5
5	256QAM	1	12	20.24	20.27	20.38	
5	256QAM	1	24	20.25	20.22	20.40	
5	256QAM	12	0	20.27	20.30	20.39	20.5
5	256QAM	12	7	20.28	20.20	20.22	
5	256QAM	12	13	20.25	20.17	20.19	
5	256QAM	25	0	20.19	20.23	20.30	20.5



<LTE Band 14_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				23330			24.3
Frequency (MHz)				793			
10	QPSK	1	0		24.27		24.3
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.23		
10	QPSK	25	0		24.17		24.3
10	QPSK	25	12		24.15		
10	QPSK	25	25		24.09		
10	QPSK	50	0		24.14		24.3
10	16QAM	1	0		24.12		
10	16QAM	1	25		24.17		
10	16QAM	1	49		24.22		23.3
10	16QAM	25	0		23.12		
10	16QAM	25	12		23.13		
10	16QAM	25	25		23.11		23.3
10	16QAM	50	0		23.14		
10	64QAM	1	0		23.25		
10	64QAM	1	25		23.22		23.3
10	64QAM	1	49		23.29		
10	64QAM	25	0		22.14		
10	64QAM	25	12		22.14		22.3
10	64QAM	25	25		22.11		
10	64QAM	50	0		22.19		
10	256QAM	1	0		20.29		20.3
10	256QAM	1	25		20.27		
10	256QAM	1	49		20.21		
10	256QAM	25	0		20.20		20.3
10	256QAM	25	12		20.16		
10	256QAM	25	25		20.13		
10	256QAM	50	0		20.14		
Channel				23305	23330	23355	24.3
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.23	24.23	24.11	24.3
5	QPSK	1	12	24.26	24.11	24.11	
5	QPSK	1	24	24.11	24.19	24.10	
5	QPSK	12	0	24.05	24.06	24.05	24.3
5	QPSK	12	7	24.04	24.05	24.03	
5	QPSK	12	13	24.01	24.03	24.03	
5	QPSK	25	0	24.08	24.06	24.08	24.3
5	16QAM	1	0	24.20	24.19	24.24	
5	16QAM	1	12	24.24	24.19	24.25	
5	16QAM	1	24	24.20	24.17	24.24	23.3
5	16QAM	12	0	23.05	23.03	23.03	
5	16QAM	12	7	23.03	23.02	23.00	
5	16QAM	12	13	22.99	23.00	22.96	23.3
5	16QAM	25	0	23.07	23.05	23.05	
5	64QAM	1	0	23.13	23.15	23.08	
5	64QAM	1	12	23.15	23.18	23.11	23.3
5	64QAM	1	24	23.11	23.06	23.02	
5	64QAM	12	0	22.04	22.08	22.05	
5	64QAM	12	7	22.05	22.05	22.05	22.3
5	64QAM	12	13	22.05	22.05	22.01	
5	64QAM	25	0	22.04	22.05	22.04	
5	256QAM	1	0	20.23	20.28	20.29	20.3
5	256QAM	1	12	20.24	20.27	20.28	
5	256QAM	1	24	20.25	20.22	20.20	
5	256QAM	12	0	20.27	20.30	20.29	20.3
5	256QAM	12	7	20.28	20.20	20.22	
5	256QAM	12	13	20.25	20.17	20.19	
5	256QAM	25	0	20.19	20.23	20.30	



<LTE Band 14_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				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.27		25
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.23		
10	QPSK	25	0		24.17		24.5
10	QPSK	25	12		24.15		
10	QPSK	25	25		24.09		
10	QPSK	50	0		24.14		24.5
10	16QAM	1	0		24.12		
10	16QAM	1	25		24.17		
10	16QAM	1	49		24.22		23.5
10	16QAM	25	0		23.12		
10	16QAM	25	12		23.13		
10	16QAM	25	25		23.11		23.5
10	16QAM	50	0		23.14		
10	64QAM	1	0		23.25		
10	64QAM	1	25		23.22		23.5
10	64QAM	1	49		23.29		
10	64QAM	25	0		22.14		
10	64QAM	25	12		22.14		22.5
10	64QAM	25	25		22.11		
10	64QAM	50	0		22.19		
10	256QAM	1	0		20.29		20.5
10	256QAM	1	25		20.27		
10	256QAM	1	49		20.21		
10	256QAM	25	0		20.20		20.5
10	256QAM	25	12		20.16		
10	256QAM	25	25		20.13		
10	256QAM	50	0		20.14		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.23	24.23	24.11	25
5	QPSK	1	12	24.26	24.11	24.11	
5	QPSK	1	24	24.11	24.19	24.10	
5	QPSK	12	0	24.05	24.06	24.05	24.5
5	QPSK	12	7	24.04	24.05	24.03	
5	QPSK	12	13	24.01	24.03	24.03	
5	QPSK	25	0	24.08	24.06	24.08	24.5
5	16QAM	1	0	24.20	24.19	24.24	
5	16QAM	1	12	24.24	24.19	24.25	
5	16QAM	1	24	24.20	24.17	24.24	23.5
5	16QAM	12	0	23.05	23.03	23.03	
5	16QAM	12	7	23.03	23.02	23.00	
5	16QAM	12	13	22.99	23.00	22.96	23.5
5	16QAM	25	0	23.07	23.05	23.05	
5	64QAM	1	0	23.13	23.15	23.08	
5	64QAM	1	12	23.15	23.18	23.11	23.5
5	64QAM	1	24	23.11	23.06	23.02	
5	64QAM	12	0	22.04	22.08	22.05	
5	64QAM	12	7	22.05	22.05	22.05	22.5
5	64QAM	12	13	22.05	22.05	22.01	
5	64QAM	25	0	22.04	22.05	22.04	
5	256QAM	1	0	20.23	20.28	20.29	20.5
5	256QAM	1	12	20.24	20.27	20.28	
5	256QAM	1	24	20.25	20.22	20.20	
5	256QAM	12	0	20.27	20.30	20.29	20.5
5	256QAM	12	7	20.28	20.20	20.22	
5	256QAM	12	13	20.25	20.17	20.19	
5	256QAM	25	0	20.19	20.23	20.30	



<LTE Band 14_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				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.27		24.3
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.23		
10	QPSK	25	0		24.17		24.3
10	QPSK	25	12		24.15		
10	QPSK	25	25		24.09		
10	QPSK	50	0		24.14		24.3
10	16QAM	1	0		24.12		
10	16QAM	1	25		24.17		
10	16QAM	1	49		24.22		24.3
10	16QAM	25	0		23.12		
10	16QAM	25	12		23.13		
10	16QAM	25	25		23.11		23.3
10	16QAM	50	0		23.14		
10	64QAM	1	0		23.25		
10	64QAM	1	25		23.22		23.3
10	64QAM	1	49		23.29		
10	64QAM	25	0		22.14		
10	64QAM	25	12		22.14		22.3
10	64QAM	25	25		22.11		
10	64QAM	50	0		22.19		
10	256QAM	1	0		20.29		20.3
10	256QAM	1	25		20.27		
10	256QAM	1	49		20.21		
10	256QAM	25	0		20.20		20.3
10	256QAM	25	12		20.16		
10	256QAM	25	25		20.13		
10	256QAM	50	0		20.14		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.23	24.23	24.11	24.3
5	QPSK	1	12	24.26	24.11	24.11	
5	QPSK	1	24	24.11	24.19	24.10	
5	QPSK	12	0	24.05	24.06	24.05	24.3
5	QPSK	12	7	24.04	24.05	24.03	
5	QPSK	12	13	24.01	24.03	24.03	
5	QPSK	25	0	24.08	24.06	24.08	24.3
5	16QAM	1	0	24.20	24.19	24.24	
5	16QAM	1	12	24.24	24.19	24.25	
5	16QAM	1	24	24.20	24.17	24.24	24.3
5	16QAM	12	0	23.05	23.03	23.03	
5	16QAM	12	7	23.03	23.02	23.00	
5	16QAM	12	13	22.99	23.00	22.96	23.3
5	16QAM	25	0	23.07	23.05	23.05	
5	64QAM	1	0	23.13	23.15	23.08	
5	64QAM	1	12	23.15	23.18	23.11	23.3
5	64QAM	1	24	23.11	23.06	23.02	
5	64QAM	12	0	22.04	22.08	22.05	
5	64QAM	12	7	22.05	22.05	22.05	22.3
5	64QAM	12	13	22.05	22.05	22.01	
5	64QAM	25	0	22.04	22.05	22.04	
5	256QAM	1	0	20.23	20.28	20.29	20.3
5	256QAM	1	12	20.24	20.27	20.28	
5	256QAM	1	24	20.25	20.22	20.20	
5	256QAM	12	0	20.27	20.30	20.29	20.3
5	256QAM	12	7	20.28	20.20	20.22	
5	256QAM	12	13	20.25	20.17	20.19	
5	256QAM	25	0	20.19	20.23	20.30	



<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			23.3
Frequency (MHz)				793			
10	QPSK	1	0		21.67		23.3
10	QPSK	1	25		21.57		
10	QPSK	1	49		21.59		
10	QPSK	25	0		21.70		23.3
10	QPSK	25	12		21.68		
10	QPSK	25	25		21.63		
10	QPSK	50	0		21.67		23.3
10	16QAM	1	0		21.83		
10	16QAM	1	25		21.71		
10	16QAM	1	49		21.82		22.8
10	16QAM	25	0		21.69		
10	16QAM	25	12		21.67		
10	16QAM	25	25		21.63		22.8
10	16QAM	50	0		21.63		
10	64QAM	1	0		21.71		
10	64QAM	1	25		21.67		22.8
10	64QAM	1	49		21.32		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.57		21.8
10	64QAM	25	25		21.59		
10	64QAM	50	0		21.66		
10	256QAM	1	0		19.73		19.8
10	256QAM	1	25		19.60		
10	256QAM	1	49		19.55		
10	256QAM	25	0		19.62		19.8
10	256QAM	25	12		19.59		
10	256QAM	25	25		19.52		
10	256QAM	50	0		19.53		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	21.66	21.63	21.65	23.3
5	QPSK	1	12	21.47	21.51	21.56	
5	QPSK	1	24	21.50	21.50	21.52	
5	QPSK	12	0	21.70	21.63	21.63	23.3
5	QPSK	12	7	21.66	21.64	21.64	
5	QPSK	12	13	21.55	21.57	21.58	
5	QPSK	25	0	21.58	21.58	21.61	23.3
5	16QAM	1	0	21.75	21.76	21.82	
5	16QAM	1	12	21.64	21.66	21.68	
5	16QAM	1	24	21.74	21.74	21.80	22.8
5	16QAM	12	0	21.63	21.62	21.62	
5	16QAM	12	7	21.63	21.61	21.59	
5	16QAM	12	13	21.61	21.60	21.61	22.8
5	16QAM	25	0	21.54	21.56	21.62	
5	64QAM	1	0	21.67	21.63	21.62	
5	64QAM	1	12	21.58	21.60	21.62	22.8
5	64QAM	1	24	21.30	21.26	21.22	
5	64QAM	12	0	21.17	21.20	21.26	
5	64QAM	12	7	21.56	21.49	21.55	21.8
5	64QAM	12	13	21.59	21.50	21.50	
5	64QAM	25	0	21.59	21.57	21.58	
5	256QAM	1	0	19.70	19.68	19.67	19.8
5	256QAM	1	12	19.59	19.50	19.55	
5	256QAM	1	24	19.48	19.55	19.45	
5	256QAM	12	0	19.56	19.53	19.62	19.8
5	256QAM	12	7	19.51	19.57	19.59	
5	256QAM	12	13	19.46	19.45	19.47	
5	256QAM	25	0	19.47	19.52	19.45	



<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			
Frequency (MHz)				793			
10	QPSK	1	0		21.67		
10	QPSK	1	25		21.57		22.6
10	QPSK	1	49		21.59		
10	QPSK	25	0		21.70		
10	QPSK	25	12		21.68		22.6
10	QPSK	25	25		21.63		
10	QPSK	50	0		21.67		
10	16QAM	1	0		21.83		22.6
10	16QAM	1	25		21.71		
10	16QAM	1	49		21.82		
10	16QAM	25	0		21.69		22.6
10	16QAM	25	12		21.67		
10	16QAM	25	25		21.63		
10	16QAM	50	0		21.63		22.6
10	64QAM	1	0		21.71		
10	64QAM	1	25		21.67		
10	64QAM	1	49		21.32		22.6
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.57		
10	64QAM	25	25		21.59		22.1
10	64QAM	50	0		21.66		
10	256QAM	1	0		19.73		
10	256QAM	1	25		19.60		20.1
10	256QAM	1	49		19.55		
10	256QAM	25	0		19.62		
10	256QAM	25	12		19.59		20.1
10	256QAM	25	25		19.52		
10	256QAM	50	0		19.53		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	21.66	21.63	21.65	22.6
5	QPSK	1	12	21.47	21.51	21.56	
5	QPSK	1	24	21.50	21.50	21.52	
5	QPSK	12	0	21.70	21.63	21.63	22.6
5	QPSK	12	7	21.66	21.64	21.64	
5	QPSK	12	13	21.55	21.57	21.58	
5	QPSK	25	0	21.58	21.58	21.61	22.6
5	16QAM	1	0	21.75	21.76	21.82	
5	16QAM	1	12	21.64	21.66	21.68	
5	16QAM	1	24	21.74	21.74	21.80	22.6
5	16QAM	12	0	21.63	21.62	21.62	
5	16QAM	12	7	21.63	21.61	21.59	
5	16QAM	12	13	21.61	21.60	21.61	22.6
5	16QAM	25	0	21.54	21.56	21.62	
5	64QAM	1	0	21.67	21.63	21.62	
5	64QAM	1	12	21.58	21.60	21.62	22.6
5	64QAM	1	24	21.30	21.26	21.22	
5	64QAM	12	0	21.17	21.20	21.26	
5	64QAM	12	7	21.56	21.49	21.55	22.1
5	64QAM	12	13	21.59	21.50	21.50	
5	64QAM	25	0	21.59	21.57	21.58	
5	256QAM	1	0	19.70	19.68	19.67	20.1
5	256QAM	1	12	19.59	19.50	19.55	
5	256QAM	1	24	19.48	19.55	19.45	
5	256QAM	12	0	19.56	19.53	19.62	20.1
5	256QAM	12	7	19.51	19.57	19.59	
5	256QAM	12	13	19.46	19.45	19.47	
5	256QAM	25	0	19.47	19.52	19.45	



<LTE Band 14_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				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.92		
10	QPSK	1	25		24.74		25.1
10	QPSK	1	49		24.79		
10	QPSK	25	0		23.99		
10	QPSK	25	12		23.98		24.1
10	QPSK	25	25		23.88		
10	QPSK	50	0		23.94		
10	16QAM	1	0		23.96		24.1
10	16QAM	1	25		23.95		
10	16QAM	1	49		23.96		
10	16QAM	25	0		22.99		23.1
10	16QAM	25	12		22.96		
10	16QAM	25	25		22.95		
10	16QAM	50	0		22.93		23.1
10	64QAM	1	0		22.93		
10	64QAM	1	25		22.95		
10	64QAM	1	49		22.96		23.1
10	64QAM	25	0		21.97		
10	64QAM	25	12		21.94		
10	64QAM	25	25		21.92		22.1
10	64QAM	50	0		21.96		
10	256QAM	1	0		20.00		
10	256QAM	1	25		19.88		20.1
10	256QAM	1	49		19.79		
10	256QAM	25	0		19.90		
10	256QAM	25	12		19.85		20.1
10	256QAM	25	25		19.81		
10	256QAM	50	0		19.82		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.79	24.80	24.86	
5	QPSK	1	12	24.62	24.61	24.63	25.1
5	QPSK	1	24	24.71	24.65	24.65	
5	QPSK	12	0	23.91	23.95	23.86	
5	QPSK	12	7	23.93	23.83	23.92	24.1
5	QPSK	12	13	23.77	23.83	23.74	
5	QPSK	25	0	23.80	23.85	23.81	
5	16QAM	1	0	23.95	23.99	23.94	24.1
5	16QAM	1	12	23.96	23.90	23.86	
5	16QAM	1	24	23.95	23.98	23.94	
5	16QAM	12	0	22.93	22.93	22.90	23.1
5	16QAM	12	7	22.81	22.87	22.87	
5	16QAM	12	13	22.83	22.81	22.87	
5	16QAM	25	0	22.84	22.85	22.84	23.1
5	64QAM	1	0	22.93	22.92	22.93	
5	64QAM	1	12	22.89	22.84	22.89	
5	64QAM	1	24	22.84	22.86	22.90	23.1
5	64QAM	12	0	21.82	21.92	21.83	
5	64QAM	12	7	21.84	21.80	21.87	
5	64QAM	12	13	21.84	21.83	21.84	22.1
5	64QAM	25	0	21.91	21.85	21.86	
5	256QAM	1	0	19.84	19.84	19.81	
5	256QAM	1	12	19.80	19.83	19.83	20.1
5	256QAM	1	24	19.77	19.82	19.72	
5	256QAM	12	0	19.64	19.81	19.76	
5	256QAM	12	7	19.58	19.79	19.77	20.1
5	256QAM	12	13	19.66	19.81	19.70	
5	256QAM	25	0	19.81	19.81	19.83	



<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	24.70	24.71	24.67	25.5
10	QPSK	1	25	24.53	24.60	24.60	
10	QPSK	1	49	24.63	24.66	24.65	
10	QPSK	25	0	23.74	23.78	23.77	24.5
10	QPSK	25	12	23.73	23.76	23.75	
10	QPSK	25	25	23.73	23.77	23.76	
10	QPSK	50	0	23.72	23.77	23.76	24.5
10	16QAM	1	0	23.95	24.05	24.04	
10	16QAM	1	25	23.94	23.99	24.02	
10	16QAM	1	49	24.00	23.99	23.95	23.5
10	16QAM	25	0	22.80	22.77	22.78	
10	16QAM	25	12	22.81	22.79	22.82	
10	16QAM	25	25	22.80	22.81	22.84	23.5
10	16QAM	50	0	22.80	22.82	22.82	
10	64QAM	1	0	22.87	22.84	22.83	
10	64QAM	1	25	22.90	22.84	22.80	23.5
10	64QAM	1	49	22.99	22.88	22.88	
10	64QAM	25	0	21.83	21.82	21.85	
10	64QAM	25	12	21.88	21.86	21.85	22.5
10	64QAM	25	25	21.87	21.87	21.86	
10	64QAM	50	0	21.88	21.89	21.88	
10	256QAM	1	0	20.07	20.11	20.15	20.5
10	256QAM	1	25	19.78	20.04	19.85	
10	256QAM	1	49	19.71	19.95	19.58	
10	256QAM	25	0	19.72	19.95	19.69	20.5
10	256QAM	25	12	19.71	19.84	19.74	
10	256QAM	25	25	19.58	19.81	19.63	
10	256QAM	50	0	19.80	19.85	19.79	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.62	24.58	24.70	25.5
5	QPSK	1	12	24.66	24.42	24.69	
5	QPSK	1	24	24.62	24.70	24.70	
5	QPSK	12	0	23.75	23.73	23.77	24.5
5	QPSK	12	7	23.75	23.81	23.79	
5	QPSK	12	13	23.75	23.80	23.78	
5	QPSK	25	0	23.68	23.71	23.73	24.5
5	16QAM	1	0	24.02	23.99	24.16	
5	16QAM	1	12	24.08	24.09	24.21	
5	16QAM	1	24	24.10	24.20	23.96	23.5
5	16QAM	12	0	22.71	22.66	22.70	
5	16QAM	12	7	22.74	22.74	22.74	
5	16QAM	12	13	22.55	22.70	22.73	23.5
5	16QAM	25	0	22.81	22.81	22.82	
5	64QAM	1	0	22.69	22.78	22.95	
5	64QAM	1	12	22.95	22.93	22.98	23.5
5	64QAM	1	24	22.93	22.84	22.81	
5	64QAM	12	0	21.82	21.77	21.82	
5	64QAM	12	7	21.87	21.85	21.77	22.5
5	64QAM	12	13	21.84	21.80	21.77	
5	64QAM	25	0	21.80	21.81	21.82	
5	256QAM	1	0	19.98	19.92	20.08	20.5
5	256QAM	1	12	19.80	19.89	19.74	
5	256QAM	1	24	19.61	19.68	19.62	
5	256QAM	12	0	19.81	19.88	19.72	20.5
5	256QAM	12	7	19.75	19.73	19.82	
5	256QAM	12	13	19.65	19.67	19.71	
5	256QAM	25	0	19.72	19.80	19.82	



<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	23.35	23.36	23.38	24.7
10	QPSK	1	25	23.33	23.25	23.24	
10	QPSK	1	49	23.31	23.29	23.29	
10	QPSK	25	0	23.27	23.29	23.30	24.1
10	QPSK	25	12	23.28	23.30	23.33	
10	QPSK	25	25	23.29	23.31	23.33	
10	QPSK	50	0	23.30	23.32	23.34	24.1
10	16QAM	1	0	23.57	23.53	23.70	
10	16QAM	1	25	23.69	23.61	23.69	
10	16QAM	1	49	23.56	23.50	23.58	23.1
10	16QAM	25	0	22.87	22.86	22.86	
10	16QAM	25	12	22.83	22.85	22.86	
10	16QAM	25	25	22.86	22.84	22.86	23.1
10	16QAM	50	0	22.85	22.86	22.85	
10	64QAM	1	0	22.96	22.97	22.88	
10	64QAM	1	25	22.94	22.90	22.91	22.1
10	64QAM	1	49	22.83	22.86	22.82	
10	64QAM	25	0	21.82	21.83	21.81	
10	64QAM	25	12	21.81	21.83	21.81	19.7
10	64QAM	25	25	21.82	21.84	21.83	
10	64QAM	50	0	21.86	21.86	21.85	
10	256QAM	1	0	19.50	19.54	19.43	19.7
10	256QAM	1	25	19.48	19.35	19.44	
10	256QAM	1	49	19.46	19.28	19.44	
10	256QAM	25	0	19.49	19.36	19.46	19.7
10	256QAM	25	12	19.41	19.21	19.41	
10	256QAM	25	25	19.40	19.20	19.39	
10	256QAM	50	0	19.35	19.26	19.51	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.28	23.28	23.37	24.7
5	QPSK	1	12	23.28	23.16	23.16	
5	QPSK	1	24	23.27	23.26	23.29	
5	QPSK	12	0	23.17	23.27	23.24	24.1
5	QPSK	12	7	23.19	23.27	23.30	
5	QPSK	12	13	23.21	23.22	23.31	
5	QPSK	25	0	23.29	23.22	23.25	24.1
5	16QAM	1	0	23.57	23.50	23.68	
5	16QAM	1	12	23.65	23.57	23.68	
5	16QAM	1	24	23.49	23.47	23.56	23.1
5	16QAM	12	0	22.83	22.86	22.78	
5	16QAM	12	7	22.76	22.81	22.84	
5	16QAM	12	13	22.83	22.82	22.76	23.1
5	16QAM	25	0	22.82	22.80	22.80	
5	64QAM	1	0	22.86	22.95	22.88	
5	64QAM	1	12	22.84	22.89	22.83	22.1
5	64QAM	1	24	22.81	22.77	22.72	
5	64QAM	12	0	21.75	21.76	21.78	
5	64QAM	12	7	21.76	21.73	21.77	19.7
5	64QAM	12	13	21.72	21.76	21.78	
5	64QAM	25	0	21.80	21.84	21.83	
5	256QAM	1	0	19.47	19.47	19.35	19.7
5	256QAM	1	12	19.39	19.25	19.37	
5	256QAM	1	24	19.36	19.21	19.40	
5	256QAM	12	0	19.47	19.27	19.37	19.7
5	256QAM	12	7	19.32	19.13	19.38	
5	256QAM	12	13	19.32	19.20	19.32	
5	256QAM	12	13	19.32	19.20	19.32	
5	256QAM	25	0	19.35	19.21	19.48	



<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	23.35	23.36	23.38	24
10	QPSK	1	25	23.33	23.25	23.24	
10	QPSK	1	49	23.31	23.29	23.29	
10	QPSK	25	0	23.27	23.29	23.30	24
10	QPSK	25	12	23.28	23.30	23.33	
10	QPSK	25	25	23.29	23.31	23.33	
10	QPSK	50	0	23.30	23.32	23.34	24
10	16QAM	1	0	23.57	23.53	23.70	
10	16QAM	1	25	23.69	23.61	23.69	
10	16QAM	1	49	23.56	23.50	23.58	23
10	16QAM	25	0	22.87	22.86	22.86	
10	16QAM	25	12	22.83	22.85	22.86	
10	16QAM	25	25	22.86	22.84	22.86	23
10	16QAM	50	0	22.85	22.86	22.85	
10	64QAM	1	0	22.96	22.97	22.88	
10	64QAM	1	25	22.94	22.90	22.91	23
10	64QAM	1	49	22.83	22.86	22.82	
10	64QAM	25	0	21.82	21.83	21.81	
10	64QAM	25	12	21.81	21.83	21.81	22
10	64QAM	25	25	21.82	21.84	21.83	
10	64QAM	50	0	21.86	21.86	21.85	
10	256QAM	1	0	19.50	19.54	19.43	20
10	256QAM	1	25	19.48	19.35	19.44	
10	256QAM	1	49	19.46	19.28	19.44	
10	256QAM	25	0	19.49	19.36	19.46	20
10	256QAM	25	12	19.41	19.21	19.41	
10	256QAM	25	25	19.40	19.20	19.39	
10	256QAM	50	0	19.35	19.26	19.51	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.28	23.28	23.37	24
5	QPSK	1	12	23.28	23.16	23.16	
5	QPSK	1	24	23.27	23.26	23.29	
5	QPSK	12	0	23.17	23.27	23.24	24
5	QPSK	12	7	23.19	23.27	23.30	
5	QPSK	12	13	23.21	23.22	23.31	
5	QPSK	25	0	23.29	23.22	23.25	24
5	16QAM	1	0	23.57	23.50	23.68	
5	16QAM	1	12	23.65	23.57	23.68	
5	16QAM	1	24	23.49	23.47	23.56	23
5	16QAM	12	0	22.83	22.86	22.78	
5	16QAM	12	7	22.76	22.81	22.84	
5	16QAM	12	13	22.83	22.82	22.76	23
5	16QAM	25	0	22.82	22.80	22.80	
5	64QAM	1	0	22.86	22.95	22.88	
5	64QAM	1	12	22.84	22.89	22.83	23
5	64QAM	1	24	22.81	22.77	22.72	
5	64QAM	12	0	21.75	21.76	21.78	
5	64QAM	12	7	21.76	21.73	21.77	22
5	64QAM	12	13	21.72	21.76	21.78	
5	64QAM	25	0	21.80	21.84	21.83	
5	256QAM	1	0	19.47	19.47	19.35	20
5	256QAM	1	12	19.39	19.25	19.37	
5	256QAM	1	24	19.36	19.21	19.40	
5	256QAM	12	0	19.47	19.27	19.37	20
5	256QAM	12	7	19.32	19.13	19.38	
5	256QAM	12	13	19.32	19.20	19.32	
5	256QAM	25	0	19.35	19.21	19.48	



<LTE Band 17_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				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.62	24.58	24.61	
10	QPSK	1	25	24.51	24.49	24.46	25.1
10	QPSK	1	49	24.60	24.57	24.57	
10	QPSK	25	0	23.70	23.66	23.65	
10	QPSK	25	12	23.67	23.66	23.67	24.1
10	QPSK	25	25	23.70	23.70	23.72	
10	QPSK	50	0	23.72	23.70	23.68	
10	16QAM	1	0	23.91	23.91	23.98	24.1
10	16QAM	1	25	23.97	23.90	23.87	
10	16QAM	1	49	23.89	23.81	23.82	
10	16QAM	25	0	22.72	22.72	22.72	23.1
10	16QAM	25	12	22.74	22.70	22.72	
10	16QAM	25	25	22.75	22.74	22.73	
10	16QAM	50	0	22.74	22.72	22.71	23.1
10	64QAM	1	0	22.72	22.80	22.79	
10	64QAM	1	25	22.80	22.75	22.71	
10	64QAM	1	49	22.76	22.71	22.74	23.1
10	64QAM	25	0	21.68	21.70	21.71	
10	64QAM	25	12	21.75	21.72	21.73	
10	64QAM	25	25	21.76	21.73	21.72	22.1
10	64QAM	50	0	21.78	21.75	21.76	
10	256QAM	1	0	19.91	19.97	19.85	
10	256QAM	1	25	19.88	19.76	19.91	20.1
10	256QAM	1	49	19.96	19.72	19.92	
10	256QAM	25	0	19.89	19.77	19.92	
10	256QAM	25	12	19.84	19.71	19.91	20.1
10	256QAM	25	25	19.87	19.65	19.86	
10	256QAM	50	0	19.85	19.70	19.91	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.45	24.39	24.46	
5	QPSK	1	12	24.49	24.49	24.44	25.1
5	QPSK	1	24	24.51	24.46	24.49	
5	QPSK	12	0	23.55	23.43	23.52	
5	QPSK	12	7	23.55	23.52	23.54	24.1
5	QPSK	12	13	23.57	23.50	23.49	
5	QPSK	25	0	23.50	23.48	23.50	
5	16QAM	1	0	23.82	23.92	23.95	24.1
5	16QAM	1	12	23.90	23.91	23.78	
5	16QAM	1	24	23.84	23.85	23.72	
5	16QAM	12	0	22.47	22.52	22.48	23.1
5	16QAM	12	7	22.52	22.51	22.50	
5	16QAM	12	13	22.53	22.51	22.49	
5	16QAM	25	0	22.53	22.56	22.56	23.1
5	64QAM	1	0	22.64	22.70	22.53	
5	64QAM	1	12	22.69	22.70	22.77	
5	64QAM	1	24	22.64	22.54	22.61	23.1
5	64QAM	12	0	21.44	21.52	21.50	
5	64QAM	12	7	21.58	21.57	21.60	
5	64QAM	12	13	21.61	21.54	21.57	22.1
5	64QAM	25	0	21.61	21.55	21.66	
5	256QAM	1	0	20.00	19.99	19.92	
5	256QAM	1	12	19.92	19.96	19.92	20.1
5	256QAM	1	24	19.93	20.00	19.91	
5	256QAM	12	0	19.90	19.96	19.93	
5	256QAM	12	7	19.87	19.97	19.95	20.1
5	256QAM	12	13	19.86	19.92	19.86	
5	256QAM	25	0	19.95	19.89	19.88	



<LTE Band 25_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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.39	23.80	23.74	24.5
20	QPSK	1	49	23.11	23.42	23.12	
20	QPSK	1	99	23.12	23.11	23.11	
20	QPSK	50	0	23.15	23.37	23.25	24.5
20	QPSK	50	24	22.75	23.24	22.83	
20	QPSK	50	50	22.60	23.07	22.71	
20	QPSK	100	0	22.76	23.20	23.14	24.5
20	16QAM	1	0	23.21	23.65	23.27	
20	16QAM	1	49	22.81	23.29	22.91	
20	16QAM	1	99	22.57	23.03	22.65	23.5
20	16QAM	50	0	21.87	22.36	21.96	
20	16QAM	50	24	21.74	22.22	21.85	
20	16QAM	50	50	21.62	22.06	21.70	23.5
20	16QAM	100	0	21.71	22.16	21.80	
20	64QAM	1	0	22.17	22.63	22.25	
20	64QAM	1	49	21.89	22.33	21.97	23.5
20	64QAM	1	99	21.52	22.01	21.63	
20	64QAM	50	0	20.90	21.35	20.98	
20	64QAM	50	24	20.81	21.27	20.90	22.5
20	64QAM	50	50	20.66	21.10	20.70	
20	64QAM	100	0	20.72	21.20	20.84	
20	256QAM	1	0	19.04	19.19	18.82	20.5
20	256QAM	1	49	19.19	19.20	19.06	
20	256QAM	1	99	18.85	18.83	18.97	
20	256QAM	50	0	19.23	19.26	19.15	20.5
20	256QAM	50	24	18.95	19.10	19.04	
20	256QAM	50	50	18.85	18.94	18.84	
20	256QAM	100	0	19.08	19.18	19.03	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.32	23.76	23.42	24.5
15	QPSK	1	37	23.12	23.39	23.12	
15	QPSK	1	74	23.13	23.11	23.12	
15	QPSK	36	0	22.86	23.32	22.90	24.5
15	QPSK	36	20	22.73	23.16	22.75	
15	QPSK	36	39	22.59	23.02	22.65	
15	QPSK	75	0	22.69	23.18	22.79	24.5
15	16QAM	1	0	23.15	23.57	23.19	
15	16QAM	1	37	22.74	23.27	22.82	
15	16QAM	1	74	22.50	22.95	22.56	23.5
15	16QAM	36	0	21.81	22.28	21.87	
15	16QAM	36	20	21.71	22.19	21.81	
15	16QAM	36	39	21.53	21.99	21.62	23.5
15	16QAM	75	0	21.67	22.11	21.76	
15	64QAM	1	0	22.10	22.61	22.23	
15	64QAM	1	37	21.81	22.26	21.94	23.5
15	64QAM	1	74	21.51	21.97	21.58	
15	64QAM	36	0	20.81	21.34	20.94	
15	64QAM	36	20	20.75	21.20	20.82	22.5
15	64QAM	36	39	20.59	21.06	20.62	
15	64QAM	75	0	20.71	21.12	20.83	
15	256QAM	1	0	19.01	19.18	18.82	20.5
15	256QAM	1	37	19.21	19.15	19.14	
15	256QAM	1	74	18.84	18.82	18.95	
15	256QAM	36	0	19.25	19.18	19.18	20.5
15	256QAM	36	20	18.94	19.09	19.03	



FCC SAR TEST REPORT

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15	256QAM	36	39	18.86	18.94	18.78	
15	256QAM	75	0	19.06	19.11	19.08	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.38	23.78	23.41	24.5
10	QPSK	1	25	23.12	23.36	23.12	
10	QPSK	1	49	23.11	23.12	23.13	
10	QPSK	25	0	22.86	23.32	22.93	24.5
10	QPSK	25	12	22.74	23.15	22.76	
10	QPSK	25	25	22.53	23.04	22.62	
10	QPSK	50	0	22.70	23.13	22.74	
10	16QAM	1	0	23.13	23.59	23.26	24.5
10	16QAM	1	25	22.77	23.21	22.90	
10	16QAM	1	49	22.51	22.96	22.64	
10	16QAM	25	0	21.84	22.35	21.91	23.5
10	16QAM	25	12	21.71	22.14	21.83	
10	16QAM	25	25	21.56	22.02	21.67	
10	16QAM	50	0	21.65	22.12	21.78	
10	64QAM	1	0	22.15	22.58	22.17	23.5
10	64QAM	1	25	21.83	22.26	21.92	
10	64QAM	1	49	21.55	21.94	21.56	
10	64QAM	25	0	20.89	21.31	20.95	22.5
10	64QAM	25	12	20.80	21.23	20.88	
10	64QAM	25	25	20.62	21.08	20.67	
10	64QAM	50	0	20.63	21.15	20.79	
10	256QAM	1	0	19.00	19.23	18.84	20.5
10	256QAM	1	25	19.23	19.12	19.10	
10	256QAM	1	49	18.87	18.82	18.95	
10	256QAM	25	0	19.18	19.27	19.22	20.5
10	256QAM	25	12	18.94	19.09	19.01	
10	256QAM	25	25	18.77	19.04	18.85	
10	256QAM	50	0	19.03	19.09	19.08	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.35	23.75	23.42	24.5
5	QPSK	1	12	23.12	23.38	23.12	
5	QPSK	1	24	23.11	23.12	23.13	
5	QPSK	12	0	22.83	23.33	22.90	24.5
5	QPSK	12	7	22.67	23.16	22.82	
5	QPSK	12	13	22.55	23.04	22.63	
5	QPSK	25	0	22.73	23.12	22.79	
5	16QAM	1	0	23.16	23.60	23.24	24.5
5	16QAM	1	12	22.79	23.21	22.87	
5	16QAM	1	24	22.50	22.94	22.58	
5	16QAM	12	0	21.80	22.30	21.92	23.5
5	16QAM	12	7	21.66	22.19	21.79	
5	16QAM	12	13	21.57	22.03	21.64	
5	16QAM	25	0	21.69	22.11	21.72	
5	64QAM	1	0	22.16	22.59	22.24	23.5
5	64QAM	1	12	21.82	22.25	21.88	
5	64QAM	1	24	21.53	21.97	21.56	
5	64QAM	12	0	20.89	21.32	20.92	22.5
5	64QAM	12	7	20.79	21.23	20.89	
5	64QAM	12	13	20.59	21.09	20.66	
5	64QAM	25	0	20.70	21.11	20.79	
5	256QAM	1	0	19.04	19.23	18.78	20.5
5	256QAM	1	12	19.16	19.16	19.06	
5	256QAM	1	24	18.91	18.84	18.92	
5	256QAM	12	0	19.17	19.25	19.23	20.5
5	256QAM	12	7	18.98	19.12	19.02	
5	256QAM	12	13	18.82	18.95	18.79	
5	256QAM	25	0	19.09	19.08	19.07	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.30	23.76	23.46	24.5
3	QPSK	1	8	23.12	23.39	23.11	
3	QPSK	1	14	23.11	23.12	23.15	
3	QPSK	8	0	22.79	23.29	22.92	24.5
3	QPSK	8	4	22.66	23.20	22.80	
3	QPSK	8	7	22.57	23.00	22.63	
3	QPSK	15	0	22.72	23.13	22.80	24.5
3	16QAM	1	0	23.16	23.58	23.19	
3	16QAM	1	8	22.73	23.20	22.87	
3	16QAM	1	14	22.52	23.02	22.64	23.5
3	16QAM	8	0	21.85	22.29	21.89	
3	16QAM	8	4	21.65	22.20	21.84	
3	16QAM	8	7	21.53	22.04	21.63	23.5
3	16QAM	15	0	21.69	22.13	21.78	
3	64QAM	1	0	22.12	22.57	22.22	
3	64QAM	1	8	21.80	22.27	21.91	23.5
3	64QAM	1	14	21.53	21.99	21.55	
3	64QAM	8	0	20.85	21.30	20.97	
3	64QAM	8	4	20.74	21.21	20.88	22.5
3	64QAM	8	7	20.62	21.04	20.66	
3	64QAM	15	0	20.71	21.12	20.77	
3	256QAM	1	0	19.07	19.16	18.82	20.5
3	256QAM	1	8	19.14	19.11	19.14	
3	256QAM	1	14	18.90	18.83	18.91	
3	256QAM	8	0	19.20	19.20	19.21	20.5
3	256QAM	8	4	18.98	19.07	19.06	
3	256QAM	8	7	18.83	19.01	18.76	
3	256QAM	15	0	19.04	19.14	19.05	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.18	23.48	23.39	24.5
1.4	QPSK	1	3	23.15	23.44	23.40	
1.4	QPSK	1	5	23.12	23.36	23.34	
1.4	QPSK	3	0	23.12	23.36	23.32	24.5
1.4	QPSK	3	1	23.15	23.31	23.31	
1.4	QPSK	3	3	23.11	23.34	23.28	
1.4	QPSK	6	0	22.79	23.10	23.06	24.5
1.4	16QAM	1	0	23.07	23.38	23.25	
1.4	16QAM	1	3	23.11	23.41	23.30	
1.4	16QAM	1	5	23.04	23.36	23.27	24.5
1.4	16QAM	3	0	22.89	23.16	23.09	
1.4	16QAM	3	1	22.87	23.15	23.03	
1.4	16QAM	3	3	22.80	23.16	23.05	23.5
1.4	16QAM	6	0	21.83	22.14	22.11	
1.4	64QAM	1	0	21.92	22.23	22.12	
1.4	64QAM	1	3	21.98	22.25	22.20	23.5
1.4	64QAM	1	5	21.85	22.25	22.19	
1.4	64QAM	3	0	21.85	22.21	22.16	
1.4	64QAM	3	1	21.90	22.21	22.09	22.5
1.4	64QAM	3	3	21.77	22.13	22.06	
1.4	64QAM	6	0	20.85	21.08	21.10	
1.4	256QAM	1	0	19.00	19.23	18.76	20.5
1.4	256QAM	1	3	19.15	19.14	19.16	
1.4	256QAM	1	5	18.91	18.86	18.87	
1.4	256QAM	3	0	19.24	19.21	19.19	20.5
1.4	256QAM	3	1	18.98	19.05	19.07	
1.4	256QAM	3	3	18.83	18.99	18.75	
1.4	256QAM	6	0	19.02	19.12	19.07	20.5



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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	23.39	23.80	23.74	23.8
20	QPSK	1	49	23.11	23.42	23.12	
20	QPSK	1	99	23.12	23.11	23.11	
20	QPSK	50	0	23.15	23.37	23.25	23.8
20	QPSK	50	24	22.75	23.24	22.83	
20	QPSK	50	50	22.60	23.07	22.71	
20	QPSK	100	0	22.76	23.20	23.14	23.8
20	16QAM	1	0	23.21	23.65	23.27	
20	16QAM	1	49	22.81	23.29	22.91	
20	16QAM	1	99	22.57	23.03	22.65	23.5
20	16QAM	50	0	21.87	22.36	21.96	
20	16QAM	50	24	21.74	22.22	21.85	
20	16QAM	50	50	21.62	22.06	21.70	23.5
20	16QAM	100	0	21.71	22.16	21.80	
20	64QAM	1	0	22.17	22.63	22.25	
20	64QAM	1	49	21.89	22.33	21.97	23.5
20	64QAM	1	99	21.52	22.01	21.63	
20	64QAM	50	0	20.90	21.35	20.98	
20	64QAM	50	24	20.81	21.27	20.90	22.5
20	64QAM	50	50	20.66	21.10	20.70	
20	64QAM	100	0	20.72	21.20	20.84	
20	256QAM	1	0	19.04	19.19	18.82	20.5
20	256QAM	1	49	19.19	19.20	19.06	
20	256QAM	1	99	18.85	18.83	18.97	
20	256QAM	50	0	19.23	19.26	19.15	20.5
20	256QAM	50	24	18.95	19.10	19.04	
20	256QAM	50	50	18.85	18.94	18.84	
20	256QAM	100	0	19.08	19.18	19.03	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.32	23.76	23.42	23.8
15	QPSK	1	37	23.12	23.39	23.12	
15	QPSK	1	74	23.13	23.11	23.12	
15	QPSK	36	0	22.86	23.32	22.90	23.8
15	QPSK	36	20	22.73	23.16	22.75	
15	QPSK	36	39	22.59	23.02	22.65	
15	QPSK	75	0	22.69	23.18	22.79	23.8
15	16QAM	1	0	23.15	23.57	23.19	
15	16QAM	1	37	22.74	23.27	22.82	
15	16QAM	1	74	22.50	22.95	22.56	23.5
15	16QAM	36	0	21.81	22.28	21.87	
15	16QAM	36	20	21.71	22.19	21.81	
15	16QAM	36	39	21.53	21.99	21.62	23.5
15	16QAM	75	0	21.67	22.11	21.76	
15	64QAM	1	0	22.10	22.61	22.23	
15	64QAM	1	37	21.81	22.26	21.94	23.5
15	64QAM	1	74	21.51	21.97	21.58	
15	64QAM	36	0	20.81	21.34	20.94	
15	64QAM	36	20	20.75	21.20	20.82	22.5
15	64QAM	36	39	20.59	21.06	20.62	
15	64QAM	75	0	20.71	21.12	20.83	
15	256QAM	1	0	19.01	19.18	18.82	20.5
15	256QAM	1	37	19.21	19.15	19.14	
15	256QAM	1	74	18.84	18.82	18.95	
15	256QAM	36	0	19.25	19.18	19.18	20.5
15	256QAM	36	20	18.94	19.09	19.03	



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15	256QAM	36	39	18.86	18.94	18.78	
15	256QAM	75	0	19.06	19.11	19.08	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.38	23.78	23.41	23.8
10	QPSK	1	25	23.12	23.36	23.12	
10	QPSK	1	49	23.11	23.12	23.13	
10	QPSK	25	0	22.86	23.32	22.93	23.8
10	QPSK	25	12	22.74	23.15	22.76	
10	QPSK	25	25	22.53	23.04	22.62	
10	QPSK	50	0	22.70	23.13	22.74	
10	16QAM	1	0	23.13	23.59	23.26	23.8
10	16QAM	1	25	22.77	23.21	22.90	
10	16QAM	1	49	22.51	22.96	22.64	
10	16QAM	25	0	21.84	22.35	21.91	23.5
10	16QAM	25	12	21.71	22.14	21.83	
10	16QAM	25	25	21.56	22.02	21.67	
10	16QAM	50	0	21.65	22.12	21.78	
10	64QAM	1	0	22.15	22.58	22.17	23.5
10	64QAM	1	25	21.83	22.26	21.92	
10	64QAM	1	49	21.55	21.94	21.56	
10	64QAM	25	0	20.89	21.31	20.95	22.5
10	64QAM	25	12	20.80	21.23	20.88	
10	64QAM	25	25	20.62	21.08	20.67	
10	64QAM	50	0	20.63	21.15	20.79	
10	256QAM	1	0	19.00	19.23	18.84	20.5
10	256QAM	1	25	19.23	19.12	19.10	
10	256QAM	1	49	18.87	18.82	18.95	
10	256QAM	25	0	19.18	19.27	19.22	20.5
10	256QAM	25	12	18.94	19.09	19.01	
10	256QAM	25	25	18.77	19.04	18.85	
10	256QAM	50	0	19.03	19.09	19.08	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.35	23.75	23.42	23.8
5	QPSK	1	12	23.12	23.38	23.12	
5	QPSK	1	24	23.11	23.12	23.13	
5	QPSK	12	0	22.83	23.33	22.90	23.8
5	QPSK	12	7	22.67	23.16	22.82	
5	QPSK	12	13	22.55	23.04	22.63	
5	QPSK	25	0	22.73	23.12	22.79	
5	16QAM	1	0	23.16	23.60	23.24	23.8
5	16QAM	1	12	22.79	23.21	22.87	
5	16QAM	1	24	22.50	22.94	22.58	
5	16QAM	12	0	21.80	22.30	21.92	23.5
5	16QAM	12	7	21.66	22.19	21.79	
5	16QAM	12	13	21.57	22.03	21.64	
5	16QAM	25	0	21.69	22.11	21.72	
5	64QAM	1	0	22.16	22.59	22.24	23.5
5	64QAM	1	12	21.82	22.25	21.88	
5	64QAM	1	24	21.53	21.97	21.56	
5	64QAM	12	0	20.89	21.32	20.92	22.5
5	64QAM	12	7	20.79	21.23	20.89	
5	64QAM	12	13	20.59	21.09	20.66	
5	64QAM	25	0	20.70	21.11	20.79	
5	256QAM	1	0	19.04	19.23	18.78	20.5
5	256QAM	1	12	19.16	19.16	19.06	
5	256QAM	1	24	18.91	18.84	18.92	
5	256QAM	12	0	19.17	19.25	19.23	20.5
5	256QAM	12	7	18.98	19.12	19.02	
5	256QAM	12	13	18.82	18.95	18.79	
5	256QAM	25	0	19.09	19.08	19.07	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.30	23.76	23.46	23.8
3	QPSK	1	8	23.12	23.39	23.11	
3	QPSK	1	14	23.11	23.12	23.15	
3	QPSK	8	0	22.79	23.29	22.92	23.8
3	QPSK	8	4	22.66	23.20	22.80	
3	QPSK	8	7	22.57	23.00	22.63	
3	QPSK	15	0	22.72	23.13	22.80	23.8
3	16QAM	1	0	23.16	23.58	23.19	
3	16QAM	1	8	22.73	23.20	22.87	
3	16QAM	1	14	22.52	23.02	22.64	23.5
3	16QAM	8	0	21.85	22.29	21.89	
3	16QAM	8	4	21.65	22.20	21.84	
3	16QAM	8	7	21.53	22.04	21.63	23.5
3	16QAM	15	0	21.69	22.13	21.78	
3	64QAM	1	0	22.12	22.57	22.22	
3	64QAM	1	8	21.80	22.27	21.91	23.5
3	64QAM	1	14	21.53	21.99	21.55	
3	64QAM	8	0	20.85	21.30	20.97	
3	64QAM	8	4	20.74	21.21	20.88	22.5
3	64QAM	8	7	20.62	21.04	20.66	
3	64QAM	15	0	20.71	21.12	20.77	
3	256QAM	1	0	19.07	19.16	18.82	20.5
3	256QAM	1	8	19.14	19.11	19.14	
3	256QAM	1	14	18.90	18.83	18.91	
3	256QAM	8	0	19.20	19.20	19.21	20.5
3	256QAM	8	4	18.98	19.07	19.06	
3	256QAM	8	7	18.83	19.01	18.76	
3	256QAM	15	0	19.04	19.14	19.05	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.18	23.48	23.39	23.8
1.4	QPSK	1	3	23.15	23.44	23.40	
1.4	QPSK	1	5	23.12	23.36	23.34	
1.4	QPSK	3	0	23.12	23.36	23.32	23.8
1.4	QPSK	3	1	23.15	23.31	23.31	
1.4	QPSK	3	3	23.11	23.34	23.28	
1.4	QPSK	6	0	22.79	23.10	23.06	23.8
1.4	16QAM	1	0	23.07	23.38	23.25	
1.4	16QAM	1	3	23.11	23.41	23.30	
1.4	16QAM	1	5	23.04	23.36	23.27	23.8
1.4	16QAM	3	0	22.89	23.16	23.09	
1.4	16QAM	3	1	22.87	23.15	23.03	
1.4	16QAM	3	3	22.80	23.16	23.05	23.5
1.4	16QAM	6	0	21.83	22.14	22.11	
1.4	64QAM	1	0	21.92	22.23	22.12	
1.4	64QAM	1	3	21.98	22.25	22.20	23.5
1.4	64QAM	1	5	21.85	22.25	22.19	
1.4	64QAM	3	0	21.85	22.21	22.16	
1.4	64QAM	3	1	21.90	22.21	22.09	23.5
1.4	64QAM	3	3	21.77	22.13	22.06	
1.4	64QAM	6	0	20.85	21.08	21.10	
1.4	256QAM	1	0	19.00	19.23	18.76	20.5
1.4	256QAM	1	3	19.15	19.14	19.16	
1.4	256QAM	1	5	18.91	18.86	18.87	
1.4	256QAM	3	0	19.24	19.21	19.19	20.5
1.4	256QAM	3	1	18.98	19.05	19.07	
1.4	256QAM	3	3	18.83	18.99	18.75	
1.4	256QAM	6	0	19.02	19.12	19.07	20.5



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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	19.57	19.89	19.64	20
20	QPSK	1	49	19.44	19.59	19.63	
20	QPSK	1	99	19.51	19.20	19.50	
20	QPSK	50	0	19.60	19.63	19.55	20
20	QPSK	50	24	19.59	19.59	19.53	
20	QPSK	50	50	19.54	19.44	19.43	
20	QPSK	100	0	19.56	19.60	19.58	20
20	16QAM	1	0	19.60	19.99	19.68	
20	16QAM	1	49	19.81	19.84	19.75	
20	16QAM	1	99	19.63	19.52	19.92	20
20	16QAM	50	0	19.52	19.77	19.48	
20	16QAM	50	24	19.60	19.60	19.59	
20	16QAM	50	50	19.57	19.47	19.67	20
20	16QAM	100	0	19.54	19.56	19.59	
20	64QAM	1	0	19.51	19.97	19.60	
20	64QAM	1	49	19.74	19.82	19.77	20
20	64QAM	1	99	19.59	19.45	19.97	
20	64QAM	50	0	19.54	19.78	19.55	
20	64QAM	50	24	19.61	19.63	19.61	20
20	64QAM	50	50	19.60	19.47	19.70	
20	64QAM	100	0	19.52	19.57	19.56	
20	256QAM	1	0	18.95	19.17	18.80	20
20	256QAM	1	49	19.13	19.13	19.04	
20	256QAM	1	99	18.77	18.81	18.91	
20	256QAM	50	0	19.16	19.18	19.10	20
20	256QAM	50	24	18.88	19.02	19.00	
20	256QAM	50	50	18.79	18.86	18.82	
20	256QAM	100	0	19.04	19.15	18.96	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	Tune-up limit (dBm)
15	QPSK	1	0	19.42	19.84	19.47	20
15	QPSK	1	37	19.50	19.58	19.57	
15	QPSK	1	74	19.44	19.20	19.75	
15	QPSK	36	0	19.51	19.57	19.41	20
15	QPSK	36	20	19.54	19.52	19.52	
15	QPSK	36	39	19.53	19.40	19.38	
15	QPSK	75	0	19.50	19.57	19.53	20
15	16QAM	1	0	19.56	19.91	19.64	
15	16QAM	1	37	19.76	19.81	19.71	
15	16QAM	1	74	19.60	19.48	19.87	20
15	16QAM	36	0	19.50	19.72	19.46	
15	16QAM	36	20	19.56	19.51	19.50	
15	16QAM	36	39	19.50	19.38	19.62	20
15	16QAM	75	0	19.52	19.49	19.54	
15	64QAM	1	0	19.49	19.90	19.55	
15	64QAM	1	37	19.70	19.78	19.74	20
15	64QAM	1	74	19.58	19.37	19.91	
15	64QAM	36	0	19.50	19.76	19.49	
15	64QAM	36	20	19.56	19.62	19.52	20
15	64QAM	36	39	19.58	19.46	19.67	
15	64QAM	75	0	19.43	19.52	19.51	
15	256QAM	1	0	18.87	19.14	18.79	20
15	256QAM	1	37	19.12	19.05	18.97	
15	256QAM	1	74	18.73	18.80	18.90	
15	256QAM	36	0	19.09	19.15	19.03	20
15	256QAM	36	20	18.81	19.01	18.92	



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15	256QAM	36	39	18.70	18.85	18.81	
15	256QAM	75	0	19.03	19.10	18.89	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.38	19.83	19.53	20
10	QPSK	1	25	19.49	19.50	19.55	
10	QPSK	1	49	19.44	19.21	19.78	
10	QPSK	25	0	19.57	19.58	19.42	20
10	QPSK	25	12	19.57	19.52	19.55	
10	QPSK	25	25	19.45	19.36	19.34	
10	QPSK	50	0	19.48	19.57	19.54	
10	16QAM	1	0	19.52	19.96	19.67	20
10	16QAM	1	25	19.74	19.75	19.71	
10	16QAM	1	49	19.54	19.45	19.84	
10	16QAM	25	0	19.45	19.75	19.43	20
10	16QAM	25	12	19.57	19.58	19.57	
10	16QAM	25	25	19.53	19.39	19.62	
10	16QAM	50	0	19.48	19.52	19.50	
10	64QAM	1	0	19.42	19.88	19.54	20
10	64QAM	1	25	19.70	19.76	19.68	
10	64QAM	1	49	19.54	19.36	19.94	
10	64QAM	25	0	19.49	19.77	19.48	20
10	64QAM	25	12	19.59	19.59	19.58	
10	64QAM	25	25	19.55	19.41	19.62	
10	64QAM	50	0	19.49	19.49	19.52	
10	256QAM	1	0	18.86	19.10	18.78	20
10	256QAM	1	25	19.04	19.11	18.99	
10	256QAM	1	49	18.76	18.79	18.87	
10	256QAM	25	0	19.08	19.09	19.04	20
10	256QAM	25	12	18.81	18.99	18.97	
10	256QAM	25	25	18.77	18.81	18.76	
10	256QAM	50	0	18.97	19.08	18.93	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.37	19.81	19.47	20
5	QPSK	1	12	19.52	19.50	19.61	
5	QPSK	1	24	19.44	19.20	19.72	
5	QPSK	12	0	19.52	19.60	19.49	20
5	QPSK	12	7	19.56	19.51	19.53	
5	QPSK	12	13	19.53	19.39	19.34	
5	QPSK	25	0	19.50	19.56	19.51	
5	16QAM	1	0	19.58	19.97	19.59	20
5	16QAM	1	12	19.80	19.82	19.72	
5	16QAM	1	24	19.55	19.45	19.83	
5	16QAM	12	0	19.49	19.68	19.45	20
5	16QAM	12	7	19.53	19.59	19.52	
5	16QAM	12	13	19.56	19.45	19.62	
5	16QAM	25	0	19.47	19.47	19.52	
5	64QAM	1	0	19.45	19.93	19.57	20
5	64QAM	1	12	19.70	19.80	19.72	
5	64QAM	1	24	19.57	19.41	19.92	
5	64QAM	12	0	19.50	19.73	19.54	20
5	64QAM	12	7	19.54	19.62	19.59	
5	64QAM	12	13	19.59	19.42	19.61	
5	64QAM	25	0	19.49	19.50	19.50	
5	256QAM	1	0	18.86	19.10	18.73	20
5	256QAM	1	12	19.10	19.09	18.99	
5	256QAM	1	24	18.75	18.79	18.86	
5	256QAM	12	0	19.13	19.10	19.04	20
5	256QAM	12	7	18.81	18.98	18.96	
5	256QAM	12	13	18.75	18.78	18.73	
5	256QAM	25	0	18.96	19.14	18.94	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	19.38	19.83	19.51	20
3	QPSK	1	8	19.53	19.55	19.55	
3	QPSK	1	14	19.42	19.21	19.71	
3	QPSK	8	0	19.55	19.59	19.48	20
3	QPSK	8	4	19.54	19.57	19.57	
3	QPSK	8	7	19.45	19.42	19.34	
3	QPSK	15	0	19.53	19.54	19.53	20
3	16QAM	1	0	19.55	19.91	19.64	
3	16QAM	1	8	19.80	19.76	19.69	
3	16QAM	1	14	19.56	19.46	19.85	20
3	16QAM	8	0	19.44	19.74	19.43	
3	16QAM	8	4	19.57	19.55	19.57	
3	16QAM	8	7	19.50	19.43	19.61	20
3	16QAM	15	0	19.47	19.51	19.53	
3	64QAM	1	0	19.46	19.92	19.56	
3	64QAM	1	8	19.66	19.78	19.68	20
3	64QAM	1	14	19.55	19.43	19.95	
3	64QAM	8	0	19.47	19.71	19.50	
3	64QAM	8	4	19.54	19.61	19.56	20
3	64QAM	8	7	19.55	19.43	19.63	
3	64QAM	15	0	19.44	19.49	19.55	
3	256QAM	1	0	18.89	19.15	18.72	20
3	256QAM	1	8	19.10	19.07	19.02	
3	256QAM	1	14	18.74	18.80	18.88	
3	256QAM	8	0	19.12	19.16	19.03	20
3	256QAM	8	4	18.81	18.93	18.96	
3	256QAM	8	7	18.75	18.79	18.81	
3	256QAM	15	0	18.96	19.12	18.88	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.51	19.54	19.57	20
1.4	QPSK	1	3	19.42	19.46	19.49	
1.4	QPSK	1	5	19.56	19.53	19.58	
1.4	QPSK	3	0	19.46	19.48	19.50	20
1.4	QPSK	3	1	19.56	19.58	19.62	
1.4	QPSK	3	3	19.51	19.49	19.57	
1.4	QPSK	6	0	19.52	19.50	19.55	20
1.4	16QAM	1	0	19.79	19.86	19.83	20
1.4	16QAM	1	3	19.77	19.70	19.75	
1.4	16QAM	1	5	19.76	19.79	19.82	
1.4	16QAM	3	0	19.58	19.57	19.57	20
1.4	16QAM	3	1	19.61	19.71	19.62	
1.4	16QAM	3	3	19.61	19.60	19.56	
1.4	16QAM	6	0	19.58	19.57	19.58	20
1.4	64QAM	1	0	19.70	19.69	19.69	20
1.4	64QAM	1	3	19.63	19.71	19.58	
1.4	64QAM	1	5	19.76	19.66	19.70	
1.4	64QAM	3	0	19.54	19.57	19.60	20
1.4	64QAM	3	1	19.60	19.58	19.62	
1.4	64QAM	3	3	19.63	19.52	19.62	
1.4	64QAM	6	0	19.50	19.54	19.52	20
1.4	256QAM	1	0	18.87	19.11	18.71	20
1.4	256QAM	1	3	19.10	19.04	19.01	
1.4	256QAM	1	5	18.72	18.77	18.86	
1.4	256QAM	3	0	19.12	19.14	19.02	20
1.4	256QAM	3	1	18.83	18.94	18.95	
1.4	256QAM	3	3	18.78	18.84	18.79	
1.4	256QAM	6	0	18.95	19.10	18.87	20



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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	19.57	19.89	19.64	20.7
20	QPSK	1	49	19.44	19.59	19.63	
20	QPSK	1	99	19.51	19.20	19.50	
20	QPSK	50	0	19.60	19.63	19.55	20.7
20	QPSK	50	24	19.59	19.59	19.53	
20	QPSK	50	50	19.54	19.44	19.43	
20	QPSK	100	0	19.56	19.60	19.58	
20	16QAM	1	0	19.60	19.99	19.68	20.7
20	16QAM	1	49	19.81	19.84	19.75	
20	16QAM	1	99	19.63	19.52	19.92	
20	16QAM	50	0	19.52	19.77	19.48	20.7
20	16QAM	50	24	19.60	19.60	19.59	
20	16QAM	50	50	19.57	19.47	19.67	
20	16QAM	100	0	19.54	19.56	19.59	
20	64QAM	1	0	19.51	19.97	19.60	20.7
20	64QAM	1	49	19.74	19.82	19.77	
20	64QAM	1	99	19.59	19.45	19.97	
20	64QAM	50	0	19.54	19.78	19.55	20.7
20	64QAM	50	24	19.61	19.63	19.61	
20	64QAM	50	50	19.60	19.47	19.70	
20	64QAM	100	0	19.52	19.57	19.56	
20	256QAM	1	0	18.95	19.17	18.80	20.2
20	256QAM	1	49	19.13	19.13	19.04	
20	256QAM	1	99	18.77	18.81	18.91	
20	256QAM	50	0	19.16	19.18	19.10	20.2
20	256QAM	50	24	18.88	19.02	19.00	
20	256QAM	50	50	18.79	18.86	18.82	
20	256QAM	100	0	19.04	19.15	18.96	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.42	19.84	19.47	20.7
15	QPSK	1	37	19.50	19.58	19.57	
15	QPSK	1	74	19.44	19.20	19.75	
15	QPSK	36	0	19.51	19.57	19.41	20.7
15	QPSK	36	20	19.54	19.52	19.52	
15	QPSK	36	39	19.53	19.40	19.38	
15	QPSK	75	0	19.50	19.57	19.53	
15	16QAM	1	0	19.56	19.91	19.64	20.7
15	16QAM	1	37	19.76	19.81	19.71	
15	16QAM	1	74	19.60	19.48	19.87	
15	16QAM	36	0	19.50	19.72	19.46	20.7
15	16QAM	36	20	19.56	19.51	19.50	
15	16QAM	36	39	19.50	19.38	19.62	
15	16QAM	75	0	19.52	19.49	19.54	
15	64QAM	1	0	19.49	19.90	19.55	20.7
15	64QAM	1	37	19.70	19.78	19.74	
15	64QAM	1	74	19.58	19.37	19.91	
15	64QAM	36	0	19.50	19.76	19.49	20.7
15	64QAM	36	20	19.56	19.62	19.52	
15	64QAM	36	39	19.58	19.46	19.67	
15	64QAM	75	0	19.43	19.52	19.51	
15	256QAM	1	0	18.87	19.14	18.79	20.2
15	256QAM	1	37	19.12	19.05	18.97	
15	256QAM	1	74	18.73	18.80	18.90	
15	256QAM	36	0	19.09	19.15	19.03	20.2
15	256QAM	36	20	18.81	19.01	18.92	



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15	256QAM	36	39	18.70	18.85	18.81	
15	256QAM	75	0	19.03	19.10	18.89	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.38	19.83	19.53	20.7
10	QPSK	1	25	19.49	19.50	19.55	
10	QPSK	1	49	19.44	19.21	19.78	
10	QPSK	25	0	19.57	19.58	19.42	20.7
10	QPSK	25	12	19.57	19.52	19.55	
10	QPSK	25	25	19.45	19.36	19.34	
10	QPSK	50	0	19.48	19.57	19.54	
10	16QAM	1	0	19.52	19.96	19.67	20.7
10	16QAM	1	25	19.74	19.75	19.71	
10	16QAM	1	49	19.54	19.45	19.84	
10	16QAM	25	0	19.45	19.75	19.43	20.7
10	16QAM	25	12	19.57	19.58	19.57	
10	16QAM	25	25	19.53	19.39	19.62	
10	16QAM	50	0	19.48	19.52	19.50	
10	64QAM	1	0	19.42	19.88	19.54	20.7
10	64QAM	1	25	19.70	19.76	19.68	
10	64QAM	1	49	19.54	19.36	19.94	
10	64QAM	25	0	19.49	19.77	19.48	20.7
10	64QAM	25	12	19.59	19.59	19.58	
10	64QAM	25	25	19.55	19.41	19.62	
10	64QAM	50	0	19.49	19.49	19.52	
10	256QAM	1	0	18.86	19.10	18.78	20.2
10	256QAM	1	25	19.04	19.11	18.99	
10	256QAM	1	49	18.76	18.79	18.87	
10	256QAM	25	0	19.08	19.09	19.04	20.2
10	256QAM	25	12	18.81	18.99	18.97	
10	256QAM	25	25	18.77	18.81	18.76	
10	256QAM	50	0	18.97	19.08	18.93	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.37	19.81	19.47	20.7
5	QPSK	1	12	19.52	19.50	19.61	
5	QPSK	1	24	19.44	19.20	19.72	
5	QPSK	12	0	19.52	19.60	19.49	20.7
5	QPSK	12	7	19.56	19.51	19.53	
5	QPSK	12	13	19.53	19.39	19.34	
5	QPSK	25	0	19.50	19.56	19.51	
5	16QAM	1	0	19.58	19.97	19.59	20.7
5	16QAM	1	12	19.80	19.82	19.72	
5	16QAM	1	24	19.55	19.45	19.83	
5	16QAM	12	0	19.49	19.68	19.45	20.7
5	16QAM	12	7	19.53	19.59	19.52	
5	16QAM	12	13	19.56	19.45	19.62	
5	16QAM	25	0	19.47	19.47	19.52	
5	64QAM	1	0	19.45	19.93	19.57	20.7
5	64QAM	1	12	19.70	19.80	19.72	
5	64QAM	1	24	19.57	19.41	19.92	
5	64QAM	12	0	19.50	19.73	19.54	20.7
5	64QAM	12	7	19.54	19.62	19.59	
5	64QAM	12	13	19.59	19.42	19.61	
5	64QAM	25	0	19.49	19.50	19.50	
5	256QAM	1	0	18.86	19.10	18.73	20.2
5	256QAM	1	12	19.10	19.09	18.99	
5	256QAM	1	24	18.75	18.79	18.86	
5	256QAM	12	0	19.13	19.10	19.04	20.2
5	256QAM	12	7	18.81	18.98	18.96	
5	256QAM	12	13	18.75	18.78	18.73	
5	256QAM	25	0	18.96	19.14	18.94	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	19.38	19.83	19.51	20.7
3	QPSK	1	8	19.53	19.55	19.55	
3	QPSK	1	14	19.42	19.21	19.71	
3	QPSK	8	0	19.55	19.59	19.48	20.7
3	QPSK	8	4	19.54	19.57	19.57	
3	QPSK	8	7	19.45	19.42	19.34	
3	QPSK	15	0	19.53	19.54	19.53	
3	16QAM	1	0	19.55	19.91	19.64	20.7
3	16QAM	1	8	19.80	19.76	19.69	
3	16QAM	1	14	19.56	19.46	19.85	
3	16QAM	8	0	19.44	19.74	19.43	20.7
3	16QAM	8	4	19.57	19.55	19.57	
3	16QAM	8	7	19.50	19.43	19.61	
3	16QAM	15	0	19.47	19.51	19.53	
3	64QAM	1	0	19.46	19.92	19.56	20.7
3	64QAM	1	8	19.66	19.78	19.68	
3	64QAM	1	14	19.55	19.43	19.95	
3	64QAM	8	0	19.47	19.71	19.50	20.7
3	64QAM	8	4	19.54	19.61	19.56	
3	64QAM	8	7	19.55	19.43	19.63	
3	64QAM	15	0	19.44	19.49	19.55	
3	256QAM	1	0	18.89	19.15	18.72	20.2
3	256QAM	1	8	19.10	19.07	19.02	
3	256QAM	1	14	18.74	18.80	18.88	
3	256QAM	8	0	19.12	19.16	19.03	20.2
3	256QAM	8	4	18.81	18.93	18.96	
3	256QAM	8	7	18.75	18.79	18.81	
3	256QAM	15	0	18.96	19.12	18.88	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.51	19.54	19.57	20.7
1.4	QPSK	1	3	19.42	19.46	19.49	
1.4	QPSK	1	5	19.56	19.53	19.58	
1.4	QPSK	3	0	19.46	19.48	19.50	
1.4	QPSK	3	1	19.56	19.58	19.62	
1.4	QPSK	3	3	19.51	19.49	19.57	
1.4	QPSK	6	0	19.52	19.50	19.55	20.7
1.4	16QAM	1	0	19.79	19.86	19.83	20.7
1.4	16QAM	1	3	19.77	19.70	19.75	
1.4	16QAM	1	5	19.76	19.79	19.82	
1.4	16QAM	3	0	19.58	19.57	19.57	
1.4	16QAM	3	1	19.61	19.71	19.62	
1.4	16QAM	3	3	19.61	19.60	19.56	
1.4	16QAM	6	0	19.58	19.57	19.58	20.7
1.4	64QAM	1	0	19.70	19.69	19.69	20.7
1.4	64QAM	1	3	19.63	19.71	19.58	
1.4	64QAM	1	5	19.76	19.66	19.70	
1.4	64QAM	3	0	19.54	19.57	19.60	
1.4	64QAM	3	1	19.60	19.58	19.62	
1.4	64QAM	3	3	19.63	19.52	19.62	
1.4	64QAM	6	0	19.50	19.54	19.52	20.7
1.4	256QAM	1	0	18.87	19.11	18.71	20.2
1.4	256QAM	1	3	19.10	19.04	19.01	
1.4	256QAM	1	5	18.72	18.77	18.86	
1.4	256QAM	3	0	19.12	19.14	19.02	
1.4	256QAM	3	1	18.83	18.94	18.95	
1.4	256QAM	3	3	18.78	18.84	18.79	
1.4	256QAM	6	0	18.95	19.10	18.87	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	19.57	19.89	19.64	20
20	QPSK	1	49	19.44	19.59	19.63	
20	QPSK	1	99	19.51	19.20	19.50	
20	QPSK	50	0	19.60	19.63	19.55	20
20	QPSK	50	24	19.59	19.59	19.53	
20	QPSK	50	50	19.54	19.44	19.43	
20	QPSK	100	0	19.56	19.60	19.58	20
20	16QAM	1	0	19.60	19.99	19.68	
20	16QAM	1	49	19.81	19.84	19.75	
20	16QAM	1	99	19.63	19.52	19.92	20
20	16QAM	50	0	19.52	19.77	19.48	
20	16QAM	50	24	19.60	19.60	19.59	
20	16QAM	50	50	19.57	19.47	19.67	20
20	16QAM	100	0	19.54	19.56	19.59	
20	64QAM	1	0	19.51	19.97	19.60	
20	64QAM	1	49	19.74	19.82	19.77	20
20	64QAM	1	99	19.59	19.45	19.97	
20	64QAM	50	0	19.54	19.78	19.55	
20	64QAM	50	24	19.61	19.63	19.61	20
20	64QAM	50	50	19.60	19.47	19.70	
20	64QAM	100	0	19.52	19.57	19.56	
20	256QAM	1	0	18.95	19.17	18.80	20
20	256QAM	1	49	19.13	19.13	19.04	
20	256QAM	1	99	18.77	18.81	18.91	
20	256QAM	50	0	19.16	19.18	19.10	20
20	256QAM	50	24	18.88	19.02	19.00	
20	256QAM	50	50	18.79	18.86	18.82	
20	256QAM	100	0	19.04	19.15	18.96	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	Tune-up limit (dBm)
15	QPSK	1	0	19.42	19.84	19.47	20
15	QPSK	1	37	19.50	19.58	19.57	
15	QPSK	1	74	19.44	19.20	19.75	
15	QPSK	36	0	19.51	19.57	19.41	20
15	QPSK	36	20	19.54	19.52	19.52	
15	QPSK	36	39	19.53	19.40	19.38	
15	QPSK	75	0	19.50	19.57	19.53	20
15	16QAM	1	0	19.56	19.91	19.64	
15	16QAM	1	37	19.76	19.81	19.71	
15	16QAM	1	74	19.60	19.48	19.87	20
15	16QAM	36	0	19.50	19.72	19.46	
15	16QAM	36	20	19.56	19.51	19.50	
15	16QAM	36	39	19.50	19.38	19.62	20
15	16QAM	75	0	19.52	19.49	19.54	
15	64QAM	1	0	19.49	19.90	19.55	
15	64QAM	1	37	19.70	19.78	19.74	20
15	64QAM	1	74	19.58	19.37	19.91	
15	64QAM	36	0	19.50	19.76	19.49	
15	64QAM	36	20	19.56	19.62	19.52	20
15	64QAM	36	39	19.58	19.46	19.67	
15	64QAM	75	0	19.43	19.52	19.51	
15	256QAM	1	0	18.87	19.14	18.79	20
15	256QAM	1	37	19.12	19.05	18.97	
15	256QAM	1	74	18.73	18.80	18.90	
15	256QAM	36	0	19.09	19.15	19.03	20
15	256QAM	36	20	18.81	19.01	18.92	



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15	256QAM	36	39	18.70	18.85	18.81	
15	256QAM	75	0	19.03	19.10	18.89	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.38	19.83	19.53	20
10	QPSK	1	25	19.49	19.50	19.55	
10	QPSK	1	49	19.44	19.21	19.78	
10	QPSK	25	0	19.57	19.58	19.42	20
10	QPSK	25	12	19.57	19.52	19.55	
10	QPSK	25	25	19.45	19.36	19.34	
10	QPSK	50	0	19.48	19.57	19.54	
10	16QAM	1	0	19.52	19.96	19.67	20
10	16QAM	1	25	19.74	19.75	19.71	
10	16QAM	1	49	19.54	19.45	19.84	
10	16QAM	25	0	19.45	19.75	19.43	20
10	16QAM	25	12	19.57	19.58	19.57	
10	16QAM	25	25	19.53	19.39	19.62	
10	16QAM	50	0	19.48	19.52	19.50	
10	64QAM	1	0	19.42	19.88	19.54	20
10	64QAM	1	25	19.70	19.76	19.68	
10	64QAM	1	49	19.54	19.36	19.94	
10	64QAM	25	0	19.49	19.77	19.48	20
10	64QAM	25	12	19.59	19.59	19.58	
10	64QAM	25	25	19.55	19.41	19.62	
10	64QAM	50	0	19.49	19.49	19.52	
10	256QAM	1	0	18.86	19.10	18.78	20
10	256QAM	1	25	19.04	19.11	18.99	
10	256QAM	1	49	18.76	18.79	18.87	
10	256QAM	25	0	19.08	19.09	19.04	20
10	256QAM	25	12	18.81	18.99	18.97	
10	256QAM	25	25	18.77	18.81	18.76	
10	256QAM	50	0	18.97	19.08	18.93	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.37	19.81	19.47	20
5	QPSK	1	12	19.52	19.50	19.61	
5	QPSK	1	24	19.44	19.20	19.72	
5	QPSK	12	0	19.52	19.60	19.49	20
5	QPSK	12	7	19.56	19.51	19.53	
5	QPSK	12	13	19.53	19.39	19.34	
5	QPSK	25	0	19.50	19.56	19.51	
5	16QAM	1	0	19.58	19.97	19.59	20
5	16QAM	1	12	19.80	19.82	19.72	
5	16QAM	1	24	19.55	19.45	19.83	
5	16QAM	12	0	19.49	19.68	19.45	20
5	16QAM	12	7	19.53	19.59	19.52	
5	16QAM	12	13	19.56	19.45	19.62	
5	16QAM	25	0	19.47	19.47	19.52	
5	64QAM	1	0	19.45	19.93	19.57	20
5	64QAM	1	12	19.70	19.80	19.72	
5	64QAM	1	24	19.57	19.41	19.92	
5	64QAM	12	0	19.50	19.73	19.54	20
5	64QAM	12	7	19.54	19.62	19.59	
5	64QAM	12	13	19.59	19.42	19.61	
5	64QAM	25	0	19.49	19.50	19.50	
5	256QAM	1	0	18.86	19.10	18.73	20
5	256QAM	1	12	19.10	19.09	18.99	
5	256QAM	1	24	18.75	18.79	18.86	
5	256QAM	12	0	19.13	19.10	19.04	20
5	256QAM	12	7	18.81	18.98	18.96	
5	256QAM	12	13	18.75	18.78	18.73	
5	256QAM	25	0	18.96	19.14	18.94	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	19.38	19.83	19.51	20
3	QPSK	1	8	19.53	19.55	19.55	
3	QPSK	1	14	19.42	19.21	19.71	
3	QPSK	8	0	19.55	19.59	19.48	20
3	QPSK	8	4	19.54	19.57	19.57	
3	QPSK	8	7	19.45	19.42	19.34	
3	QPSK	15	0	19.53	19.54	19.53	20
3	16QAM	1	0	19.55	19.91	19.64	
3	16QAM	1	8	19.80	19.76	19.69	
3	16QAM	1	14	19.56	19.46	19.85	20
3	16QAM	8	0	19.44	19.74	19.43	
3	16QAM	8	4	19.57	19.55	19.57	
3	16QAM	8	7	19.50	19.43	19.61	20
3	16QAM	15	0	19.47	19.51	19.53	
3	64QAM	1	0	19.46	19.92	19.56	
3	64QAM	1	8	19.66	19.78	19.68	20
3	64QAM	1	14	19.55	19.43	19.95	
3	64QAM	8	0	19.47	19.71	19.50	
3	64QAM	8	4	19.54	19.61	19.56	20
3	64QAM	8	7	19.55	19.43	19.63	
3	64QAM	15	0	19.44	19.49	19.55	
3	256QAM	1	0	18.89	19.15	18.72	20
3	256QAM	1	8	19.10	19.07	19.02	
3	256QAM	1	14	18.74	18.80	18.88	
3	256QAM	8	0	19.12	19.16	19.03	20
3	256QAM	8	4	18.81	18.93	18.96	
3	256QAM	8	7	18.75	18.79	18.81	
3	256QAM	15	0	18.96	19.12	18.88	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.51	19.54	19.57	20
1.4	QPSK	1	3	19.42	19.46	19.49	
1.4	QPSK	1	5	19.56	19.53	19.58	
1.4	QPSK	3	0	19.46	19.48	19.50	20
1.4	QPSK	3	1	19.56	19.58	19.62	
1.4	QPSK	3	3	19.51	19.49	19.57	
1.4	QPSK	6	0	19.52	19.50	19.55	20
1.4	16QAM	1	0	19.79	19.86	19.83	20
1.4	16QAM	1	3	19.77	19.70	19.75	
1.4	16QAM	1	5	19.76	19.79	19.82	
1.4	16QAM	3	0	19.58	19.57	19.57	20
1.4	16QAM	3	1	19.61	19.71	19.62	
1.4	16QAM	3	3	19.61	19.60	19.56	
1.4	16QAM	6	0	19.58	19.57	19.58	20
1.4	64QAM	1	0	19.70	19.69	19.69	20
1.4	64QAM	1	3	19.63	19.71	19.58	
1.4	64QAM	1	5	19.76	19.66	19.70	
1.4	64QAM	3	0	19.54	19.57	19.60	20
1.4	64QAM	3	1	19.60	19.58	19.62	
1.4	64QAM	3	3	19.63	19.52	19.62	
1.4	64QAM	6	0	19.50	19.54	19.52	20
1.4	256QAM	1	0	18.87	19.11	18.71	20
1.4	256QAM	1	3	19.10	19.04	19.01	
1.4	256QAM	1	5	18.72	18.77	18.86	
1.4	256QAM	3	0	19.12	19.14	19.02	20
1.4	256QAM	3	1	18.83	18.94	18.95	
1.4	256QAM	3	3	18.78	18.84	18.79	
1.4	256QAM	6	0	18.95	19.10	18.87	20



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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	24.02	24.37	23.86	25.3
20	QPSK	1	49	24.27	24.07	24.15	
20	QPSK	1	99	24.04	23.66	24.07	
20	QPSK	50	0	23.21	23.29	23.05	24.3
20	QPSK	50	24	23.25	23.12	23.21	
20	QPSK	50	50	23.22	22.92	23.35	
20	QPSK	100	0	23.24	23.09	23.17	24.3
20	16QAM	1	0	23.39	23.64	23.27	
20	16QAM	1	49	23.60	23.49	23.58	
20	16QAM	1	99	23.37	23.01	23.47	23.3
20	16QAM	50	0	22.16	22.27	22.02	
20	16QAM	50	24	22.21	22.11	22.15	
20	16QAM	50	50	22.18	21.90	22.34	23.3
20	16QAM	100	0	22.18	22.06	22.16	
20	64QAM	1	0	22.24	22.55	22.13	
20	64QAM	1	49	22.27	22.10	22.29	22.3
20	64QAM	1	99	22.23	21.84	22.42	
20	64QAM	50	0	21.22	21.32	21.04	
20	64QAM	50	24	21.26	21.17	21.18	20.3
20	64QAM	50	50	21.23	20.96	21.33	
20	64QAM	100	0	21.19	21.09	21.16	
20	256QAM	1	0	19.05	19.48	18.83	20.3
20	256QAM	1	49	19.15	19.31	18.93	
20	256QAM	1	99	19.13	18.77	19.02	
20	256QAM	50	0	19.02	19.24	19.12	20.3
20	256QAM	50	24	19.08	19.10	18.95	
20	256QAM	50	50	19.11	18.93	19.03	
20	256QAM	100	0	19.06	19.07	18.97	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.97	24.34	23.98	25.3
15	QPSK	1	37	24.29	24.16	24.25	
15	QPSK	1	74	24.17	23.80	24.12	
15	QPSK	36	0	23.20	23.22	23.12	24.3
15	QPSK	36	20	23.27	23.08	23.28	
15	QPSK	36	39	23.30	22.98	23.35	
15	QPSK	75	0	23.29	23.00	23.26	24.3
15	16QAM	1	0	23.40	23.51	23.29	
15	16QAM	1	37	23.40	23.30	23.54	
15	16QAM	1	74	23.52	22.94	23.37	23.3
15	16QAM	36	0	22.18	22.28	22.15	
15	16QAM	36	20	22.25	22.12	22.27	
15	16QAM	36	39	22.26	21.97	22.41	23.3
15	16QAM	75	0	22.24	22.11	22.28	
15	64QAM	1	0	22.28	22.57	22.31	
15	64QAM	1	37	22.13	22.09	22.53	22.3
15	64QAM	1	74	22.24	22.01	22.42	
15	64QAM	36	0	21.24	21.34	21.15	
15	64QAM	36	20	21.27	21.17	21.26	20.3
15	64QAM	36	39	21.28	21.03	21.39	
15	64QAM	75	0	21.21	21.13	21.23	
15	256QAM	1	0	18.96	19.48	18.79	20.3
15	256QAM	1	37	19.09	19.31	18.90	
15	256QAM	1	74	19.12	18.67	18.94	
15	256QAM	36	0	18.95	19.21	19.05	20.3
15	256QAM	36	20	18.98	19.02	18.89	



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15	256QAM	36	39	19.08	18.93	18.93	
15	256QAM	75	0	18.97	19.02	18.91	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	24.05	24.31	24.13	25.3
10	QPSK	1	25	24.07	23.94	24.10	
10	QPSK	1	49	24.19	23.91	24.03	
10	QPSK	25	0	23.24	23.24	23.28	24.3
10	QPSK	25	12	23.34	23.19	23.37	
10	QPSK	25	25	23.35	23.10	23.35	
10	QPSK	50	0	23.32	23.10	23.35	
10	16QAM	1	0	23.42	23.43	23.45	24.3
10	16QAM	1	25	23.38	23.21	23.51	
10	16QAM	1	49	23.53	23.09	23.32	
10	16QAM	25	0	22.23	22.27	22.33	23.3
10	16QAM	25	12	22.29	22.19	22.38	
10	16QAM	25	25	22.33	22.08	22.39	
10	16QAM	50	0	22.27	22.15	22.37	
10	64QAM	1	0	22.28	22.44	22.55	23.3
10	64QAM	1	25	22.15	22.10	22.41	
10	64QAM	1	49	22.38	22.14	22.33	
10	64QAM	25	0	21.26	21.30	21.32	22.3
10	64QAM	25	12	21.29	21.20	21.37	
10	64QAM	25	25	21.35	21.09	21.39	
10	64QAM	50	0	21.30	21.20	21.34	
10	256QAM	1	0	19.04	19.43	18.79	20.3
10	256QAM	1	25	19.15	19.27	18.89	
10	256QAM	1	49	19.11	18.73	19.01	
10	256QAM	25	0	19.01	19.15	19.07	20.3
10	256QAM	25	12	19.06	19.03	18.85	
10	256QAM	25	25	19.06	18.93	19.00	
10	256QAM	50	0	19.02	18.99	18.87	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	24.09	24.32	24.30	25.3
5	QPSK	1	12	24.12	24.20	24.03	
5	QPSK	1	24	24.08	24.17	23.74	
5	QPSK	12	0	23.27	23.17	23.00	24.3
5	QPSK	12	7	23.38	23.14	23.12	
5	QPSK	12	13	23.42	23.12	23.21	
5	QPSK	25	0	23.40	23.09	23.15	
5	16QAM	1	0	23.70	23.52	23.31	24.3
5	16QAM	1	12	23.57	23.35	23.19	
5	16QAM	1	24	23.66	23.25	22.93	
5	16QAM	12	0	22.31	22.30	22.38	23.3
5	16QAM	12	7	22.34	22.25	22.37	
5	16QAM	12	13	22.41	22.19	22.32	
5	16QAM	25	0	22.38	22.22	22.34	
5	64QAM	1	0	22.43	22.32	22.57	23.3
5	64QAM	1	12	22.16	22.11	22.31	
5	64QAM	1	24	22.37	22.24	22.20	
5	64QAM	12	0	21.32	21.31	21.44	22.3
5	64QAM	12	7	21.35	21.23	21.41	
5	64QAM	12	13	21.38	21.20	21.33	
5	64QAM	25	0	21.33	21.21	21.34	
5	256QAM	1	0	18.96	19.48	18.81	20.3
5	256QAM	1	12	19.06	19.29	18.84	
5	256QAM	1	24	19.10	18.72	18.93	
5	256QAM	12	0	19.02	19.15	19.09	20.3
5	256QAM	12	7	19.03	19.02	18.86	
5	256QAM	12	13	19.07	18.87	18.99	
5	256QAM	25	0	18.99	19.02	18.91	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	24.27	24.29	24.29	25.3
3	QPSK	1	8	24.22	24.05	24.01	
3	QPSK	1	14	24.29	24.16	24.00	
3	QPSK	8	0	23.27	23.12	23.25	24.3
3	QPSK	8	4	23.30	23.11	23.27	
3	QPSK	8	7	23.35	23.13	23.21	
3	QPSK	15	0	23.35	23.02	23.24	
3	16QAM	1	0	23.61	23.46	23.58	24.3
3	16QAM	1	8	23.46	23.21	23.36	
3	16QAM	1	14	23.65	23.28	23.27	
3	16QAM	8	0	22.20	22.19	22.35	23.3
3	16QAM	8	4	22.30	22.18	22.30	
3	16QAM	8	7	22.28	22.13	22.25	
3	16QAM	15	0	22.29	22.16	22.34	
3	64QAM	1	0	22.39	22.36	22.58	23.3
3	64QAM	1	8	22.21	22.14	22.31	
3	64QAM	1	14	22.41	22.26	22.25	
3	64QAM	8	0	21.32	21.31	21.37	22.3
3	64QAM	8	4	21.30	21.20	21.31	
3	64QAM	8	7	21.36	21.19	21.34	
3	64QAM	15	0	21.29	21.22	21.34	
3	256QAM	1	0	19.02	19.48	18.74	20.3
3	256QAM	1	8	19.10	19.29	18.90	
3	256QAM	1	14	19.06	18.70	19.01	
3	256QAM	8	0	19.01	19.16	19.08	20.3
3	256QAM	8	4	18.98	19.02	18.88	
3	256QAM	8	7	19.07	18.87	18.93	
3	256QAM	15	0	19.03	18.99	18.93	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	24.19	24.01	23.99	25.3
1.4	QPSK	1	3	24.04	23.83	23.74	
1.4	QPSK	1	5	24.20	23.99	23.65	
1.4	QPSK	3	0	24.13	23.96	23.56	
1.4	QPSK	3	1	24.14	23.95	23.58	
1.4	QPSK	3	3	24.16	23.93	23.52	
1.4	QPSK	6	0	23.14	23.00	22.77	24.3
1.4	16QAM	1	0	23.40	23.27	23.07	24.3
1.4	16QAM	1	3	23.27	23.09	23.00	
1.4	16QAM	1	5	23.44	23.23	23.01	
1.4	16QAM	3	0	23.23	23.05	22.95	
1.4	16QAM	3	1	23.21	23.03	22.94	
1.4	16QAM	3	3	23.13	22.92	22.85	
1.4	16QAM	6	0	22.15	22.02	22.02	23.3
1.4	64QAM	1	0	22.29	22.20	22.20	23.3
1.4	64QAM	1	3	22.26	22.12	22.09	
1.4	64QAM	1	5	22.33	22.20	22.13	
1.4	64QAM	3	0	22.22	22.07	22.13	
1.4	64QAM	3	1	22.23	22.00	22.12	
1.4	64QAM	3	3	22.23	22.03	22.07	
1.4	64QAM	6	0	21.17	21.01	20.93	22.3
1.4	256QAM	1	0	18.98	19.41	18.74	20.3
1.4	256QAM	1	3	19.15	19.25	18.89	
1.4	256QAM	1	5	19.08	18.71	18.92	
1.4	256QAM	3	0	18.96	19.17	19.02	
1.4	256QAM	3	1	19.02	19.04	18.91	
1.4	256QAM	3	3	19.06	18.85	18.95	
1.4	256QAM	6	0	18.97	18.99	18.92	20.3



<LTE Band 25_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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.11	17.40	17.13	18.5
20	QPSK	1	49	17.10	17.14	17.12	
20	QPSK	1	99	17.05	16.74	17.11	
20	QPSK	50	0	17.19	17.22	17.08	18.5
20	QPSK	50	24	17.18	17.05	17.07	
20	QPSK	50	50	17.15	16.86	17.00	
20	QPSK	100	0	17.10	17.11	17.09	18.5
20	16QAM	1	0	17.12	17.40	16.97	
20	16QAM	1	49	17.31	17.18	17.11	
20	16QAM	1	99	17.15	16.75	17.33	18.5
20	16QAM	50	0	17.10	17.21	16.95	
20	16QAM	50	24	17.15	17.06	17.06	
20	16QAM	50	50	17.14	16.87	17.12	18.5
20	16QAM	100	0	17.11	17.03	17.04	
20	64QAM	1	0	17.20	17.62	16.91	
20	64QAM	1	49	17.41	17.29	17.16	18.5
20	64QAM	1	99	17.23	16.85	17.35	
20	64QAM	50	0	17.11	17.26	16.96	
20	64QAM	50	24	17.19	17.09	17.06	18.5
20	64QAM	50	50	17.15	16.87	17.14	
20	64QAM	100	0	17.11	17.02	17.05	
20	256QAM	1	0	17.48	17.50	17.45	18.5
20	256QAM	1	49	17.62	17.58	17.56	
20	256QAM	1	99	17.55	17.53	17.57	
20	256QAM	50	0	17.47	17.49	17.47	18.5
20	256QAM	50	24	17.48	17.49	17.50	
20	256QAM	50	50	17.60	17.60	17.59	
20	256QAM	100	0	17.56	17.55	17.45	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	16.93	17.38	16.87	18.5
15	QPSK	1	37	17.22	17.06	17.02	
15	QPSK	1	74	16.95	16.74	17.21	
15	QPSK	36	0	17.08	17.19	16.96	18.5
15	QPSK	36	20	17.08	17.05	16.99	
15	QPSK	36	39	17.07	16.81	17.10	
15	QPSK	75	0	17.13	16.95	17.00	18.5
15	16QAM	1	0	17.08	17.31	16.96	
15	16QAM	1	37	17.30	17.11	17.01	
15	16QAM	1	74	17.09	16.73	17.26	18.5
15	16QAM	36	0	17.00	17.16	16.86	
15	16QAM	36	20	17.13	17.04	16.96	
15	16QAM	36	39	17.14	16.87	17.08	18.5
15	16QAM	75	0	17.11	17.00	17.01	
15	64QAM	1	0	17.13	17.54	16.89	
15	64QAM	1	37	17.34	17.24	17.16	18.5
15	64QAM	1	74	17.18	16.78	17.27	
15	64QAM	36	0	17.02	17.24	16.91	
15	64QAM	36	20	17.12	17.02	16.98	18.5
15	64QAM	36	39	17.05	16.81	17.12	
15	64QAM	75	0	17.05	17.02	17.00	
15	256QAM	1	0	17.45	17.47	17.39	18.5
15	256QAM	1	37	17.58	17.50	17.54	
15	256QAM	1	74	17.46	17.51	17.53	
15	256QAM	36	0	17.41	17.44	17.44	18.5
15	256QAM	36	20	17.47	17.45	17.50	



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15	256QAM	36	39	17.53	17.53	17.51	
15	256QAM	75	0	17.47	17.54	17.40	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	17.01	17.36	16.87	18.5
10	QPSK	1	25	17.22	17.10	17.09	
10	QPSK	1	49	16.97	16.64	17.21	
10	QPSK	25	0	17.10	17.15	16.96	18.5
10	QPSK	25	12	17.08	16.99	17.01	
10	QPSK	25	25	17.10	16.83	17.13	
10	QPSK	50	0	17.12	17.02	17.09	
10	16QAM	1	0	17.07	17.32	16.97	
10	16QAM	1	25	17.23	17.17	17.07	18.5
10	16QAM	1	49	17.15	16.72	17.24	
10	16QAM	25	0	17.06	17.12	16.95	18.5
10	16QAM	25	12	17.14	16.99	17.04	
10	16QAM	25	25	17.06	16.78	17.08	
10	16QAM	50	0	17.06	17.02	16.98	
10	64QAM	1	0	17.20	17.53	16.89	
10	64QAM	1	25	17.41	17.28	17.13	18.5
10	64QAM	1	49	17.19	16.82	17.33	
10	64QAM	25	0	17.01	17.26	16.94	
10	64QAM	25	12	17.19	17.06	17.01	18.5
10	64QAM	25	25	17.15	16.86	17.08	
10	64QAM	50	0	17.01	16.98	16.95	
10	256QAM	1	0	17.46	17.45	17.38	
10	256QAM	1	25	17.61	17.48	17.48	
10	256QAM	1	49	17.45	17.43	17.53	18.5
10	256QAM	25	0	17.37	17.42	17.39	
10	256QAM	25	12	17.42	17.48	17.40	
10	256QAM	25	25	17.50	17.52	17.50	
10	256QAM	50	0	17.55	17.52	17.38	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	17.01	17.37	16.87	18.5
5	QPSK	1	12	17.18	17.12	17.04	
5	QPSK	1	24	16.99	16.69	17.26	
5	QPSK	12	0	17.02	17.19	16.92	18.5
5	QPSK	12	7	17.14	16.95	17.07	
5	QPSK	12	13	17.08	16.81	17.15	
5	QPSK	25	0	17.04	16.95	17.08	
5	16QAM	1	0	17.06	17.32	16.90	
5	16QAM	1	12	17.30	17.10	17.02	18.5
5	16QAM	1	24	17.05	16.75	17.32	
5	16QAM	12	0	17.06	17.19	16.95	
5	16QAM	12	7	17.10	16.99	17.06	18.5
5	16QAM	12	13	17.04	16.80	17.06	
5	16QAM	25	0	17.04	16.97	16.95	
5	64QAM	1	0	17.10	17.58	16.84	
5	64QAM	1	12	17.37	17.19	17.06	
5	64QAM	1	24	17.17	16.79	17.26	18.5
5	64QAM	12	0	17.07	17.19	16.89	
5	64QAM	12	7	17.17	17.04	17.05	
5	64QAM	12	13	17.12	16.85	17.14	
5	64QAM	25	0	17.02	16.92	16.99	
5	256QAM	1	0	17.41	17.50	17.35	18.5
5	256QAM	1	12	17.55	17.56	17.52	
5	256QAM	1	24	17.51	17.48	17.54	
5	256QAM	12	0	17.40	17.48	17.46	
5	256QAM	12	7	17.46	17.47	17.46	
5	256QAM	12	13	17.51	17.56	17.56	18.5
5	256QAM	25	0	17.53	17.48	17.43	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	16.95	17.34	16.87	18.5
3	QPSK	1	8	17.18	17.04	17.04	
3	QPSK	1	14	17.03	16.72	17.22	
3	QPSK	8	0	17.05	17.21	16.94	18.5
3	QPSK	8	4	17.17	17.01	17.02	
3	QPSK	8	7	17.07	16.82	17.10	
3	QPSK	15	0	17.07	17.03	17.09	
3	16QAM	1	0	17.02	17.31	16.94	18.5
3	16QAM	1	8	17.22	17.12	17.02	
3	16QAM	1	14	17.09	16.70	17.33	
3	16QAM	8	0	17.10	17.21	16.88	18.5
3	16QAM	8	4	17.09	17.06	17.05	
3	16QAM	8	7	17.12	16.86	17.11	
3	16QAM	15	0	17.04	16.99	16.94	
3	64QAM	1	0	17.17	17.53	16.84	18.5
3	64QAM	1	8	17.33	17.23	17.10	
3	64QAM	1	14	17.13	16.79	17.33	
3	64QAM	8	0	17.10	17.21	16.94	18.5
3	64QAM	8	4	17.13	16.99	17.01	
3	64QAM	8	7	17.15	16.81	17.07	
3	64QAM	15	0	17.09	16.92	16.97	
3	256QAM	1	0	17.42	17.42	17.42	18.5
3	256QAM	1	8	17.52	17.50	17.51	
3	256QAM	1	14	17.51	17.47	17.52	
3	256QAM	8	0	17.47	17.41	17.38	18.5
3	256QAM	8	4	17.48	17.39	17.47	
3	256QAM	8	7	17.56	17.60	17.56	
3	256QAM	15	0	17.50	17.45	17.35	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	16.92	17.36	16.83	18.5
1.4	QPSK	1	3	17.15	17.10	17.06	
1.4	QPSK	1	5	17.04	16.72	17.28	
1.4	QPSK	3	0	17.07	17.13	16.89	
1.4	QPSK	3	1	17.15	17.05	17.03	
1.4	QPSK	3	3	17.06	16.80	17.13	
1.4	QPSK	6	0	17.10	17.03	17.09	18.5
1.4	16QAM	1	0	17.02	17.36	16.96	18.5
1.4	16QAM	1	3	17.28	17.13	17.10	
1.4	16QAM	1	5	17.14	16.73	17.30	
1.4	16QAM	3	0	17.06	17.17	16.91	
1.4	16QAM	3	1	17.05	17.06	17.04	
1.4	16QAM	3	3	17.14	16.87	17.07	
1.4	16QAM	6	0	17.07	16.93	16.95	18.5
1.4	64QAM	1	0	17.19	17.56	16.86	18.5
1.4	64QAM	1	3	17.32	17.28	17.07	
1.4	64QAM	1	5	17.15	16.77	17.29	
1.4	64QAM	3	0	17.09	17.25	16.95	
1.4	64QAM	3	1	17.12	17.00	17.00	
1.4	64QAM	3	3	17.05	16.85	17.06	
1.4	64QAM	6	0	17.11	16.95	16.96	18.5
1.4	256QAM	1	0	17.40	17.42	17.35	18.5
1.4	256QAM	1	3	17.57	17.57	17.55	
1.4	256QAM	1	5	17.46	17.44	17.56	
1.4	256QAM	3	0	17.37	17.46	17.37	
1.4	256QAM	3	1	17.38	17.46	17.48	
1.4	256QAM	3	3	17.59	17.58	17.57	
1.4	256QAM	6	0	17.53	17.49	17.38	18.5



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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	18.90	19.33	19.01	20.1
20	QPSK	1	49	18.84	19.01	19.00	
20	QPSK	1	99	18.90	18.80	19.00	
20	QPSK	50	0	19.06	19.22	19.02	20.1
20	QPSK	50	24	19.05	19.04	19.00	
20	QPSK	50	50	19.05	18.84	19.00	
20	QPSK	100	0	19.10	19.02	19.13	
20	16QAM	1	0	19.17	19.40	19.25	20.1
20	16QAM	1	49	19.30	19.35	19.30	
20	16QAM	1	99	19.17	18.97	19.39	
20	16QAM	50	0	19.07	19.21	18.99	20.1
20	16QAM	50	24	19.11	19.08	19.11	
20	16QAM	50	50	19.07	18.90	19.22	
20	16QAM	100	0	19.06	19.01	19.08	
20	64QAM	1	0	18.99	19.33	19.03	20.1
20	64QAM	1	49	19.26	19.18	19.24	
20	64QAM	1	99	19.07	18.85	19.30	
20	64QAM	50	0	19.09	19.24	19.02	20.1
20	64QAM	50	24	19.12	19.08	19.12	
20	64QAM	50	50	19.09	18.90	19.23	
20	64QAM	100	0	19.06	19.04	19.10	
20	256QAM	1	0	19.01	19.39	18.83	20
20	256QAM	1	49	19.06	19.23	18.86	
20	256QAM	1	99	19.13	18.69	18.98	
20	256QAM	50	0	18.94	19.17	19.07	20
20	256QAM	50	24	18.98	19.06	18.87	
20	256QAM	50	50	19.02	18.93	18.94	
20	256QAM	100	0	19.05	18.98	18.95	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.80	19.26	18.95	20.1
15	QPSK	1	37	18.79	18.95	18.93	
15	QPSK	1	74	18.84	18.76	18.93	
15	QPSK	36	0	18.97	19.20	18.98	20.1
15	QPSK	36	20	19.05	18.95	18.90	
15	QPSK	36	39	18.96	18.79	18.96	
15	QPSK	75	0	19.10	18.93	19.07	
15	16QAM	1	0	19.10	19.36	19.20	20.1
15	16QAM	1	37	19.20	19.28	19.27	
15	16QAM	1	74	19.12	18.96	19.39	
15	16QAM	36	0	19.06	19.17	18.99	20.1
15	16QAM	36	20	19.03	18.99	19.08	
15	16QAM	36	39	19.04	18.85	19.16	
15	16QAM	75	0	18.98	18.94	18.99	
15	64QAM	1	0	18.94	19.28	18.98	20.1
15	64QAM	1	37	19.26	19.16	19.23	
15	64QAM	1	74	19.07	18.82	19.24	
15	64QAM	36	0	19.09	19.24	19.00	20.1
15	64QAM	36	20	19.10	19.04	19.02	
15	64QAM	36	39	19.00	18.86	19.21	
15	64QAM	75	0	18.97	18.99	19.08	
15	256QAM	1	0	19.01	19.36	18.83	20
15	256QAM	1	37	19.00	19.13	18.79	
15	256QAM	1	74	19.09	18.59	18.90	
15	256QAM	36	0	18.91	19.08	18.98	20
15	256QAM	36	20	18.90	18.97	18.84	



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15	256QAM	36	39	19.01	18.93	18.92	
15	256QAM	75	0	19.02	18.90	18.86	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	18.84	19.18	19.01	20.1
10	QPSK	1	25	18.84	18.98	19.00	
10	QPSK	1	49	18.80	18.70	18.91	
10	QPSK	25	0	19.03	19.21	18.94	20.1
10	QPSK	25	12	19.00	19.01	18.91	
10	QPSK	25	25	19.00	18.74	18.92	
10	QPSK	50	0	19.04	19.01	19.10	
10	16QAM	1	0	19.07	19.31	19.23	
10	16QAM	1	25	19.27	19.25	19.21	20.1
10	16QAM	1	49	19.08	18.94	19.36	
10	16QAM	25	0	18.97	19.19	18.97	20.1
10	16QAM	25	12	19.08	19.08	19.03	
10	16QAM	25	25	19.02	18.83	19.20	
10	16QAM	50	0	19.03	18.97	19.04	
10	64QAM	1	0	18.90	19.24	18.99	
10	64QAM	1	25	19.20	19.18	19.18	20.1
10	64QAM	1	49	18.98	18.80	19.29	
10	64QAM	25	0	19.07	19.22	18.99	
10	64QAM	25	12	19.07	18.99	19.12	20.1
10	64QAM	25	25	19.07	18.86	19.22	
10	64QAM	50	0	19.06	18.94	19.08	
10	256QAM	1	0	18.93	19.39	18.75	
10	256QAM	1	25	19.00	19.14	18.80	
10	256QAM	1	49	19.10	18.61	18.95	20
10	256QAM	25	0	18.90	19.08	18.99	
10	256QAM	25	12	18.90	19.03	18.82	
10	256QAM	25	25	19.01	18.92	18.90	20
10	256QAM	50	0	19.04	18.96	18.85	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	18.82	19.28	18.98	20.1
5	QPSK	1	12	18.80	19.00	18.97	
5	QPSK	1	24	18.84	18.72	18.92	
5	QPSK	12	0	19.03	19.22	19.01	20.1
5	QPSK	12	7	18.97	18.99	18.98	
5	QPSK	12	13	19.03	18.78	18.90	
5	QPSK	25	0	19.02	18.96	19.13	
5	16QAM	1	0	19.14	19.39	19.18	
5	16QAM	1	12	19.30	19.25	19.24	20.1
5	16QAM	1	24	19.10	18.97	19.30	
5	16QAM	12	0	19.02	19.13	18.95	
5	16QAM	12	7	19.01	19.06	19.06	20.1
5	16QAM	12	13	19.00	18.88	19.12	
5	16QAM	25	0	18.99	18.98	18.98	
5	64QAM	1	0	18.98	19.32	18.98	
5	64QAM	1	12	19.18	19.13	19.22	
5	64QAM	1	24	19.02	18.78	19.27	20.1
5	64QAM	12	0	19.05	19.17	18.94	
5	64QAM	12	7	19.05	18.99	19.02	
5	64QAM	12	13	19.02	18.83	19.21	20.1
5	64QAM	25	0	19.04	18.98	19.05	
5	256QAM	1	0	18.92	19.38	18.79	
5	256QAM	1	12	18.96	19.21	18.77	
5	256QAM	1	24	19.12	18.68	18.98	
5	256QAM	12	0	18.86	19.17	19.00	20
5	256QAM	12	7	18.98	18.96	18.78	
5	256QAM	12	13	18.94	18.90	18.90	
5	256QAM	25	0	19.00	18.95	18.87	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	18.84	19.23	18.93	20.1
3	QPSK	1	8	18.79	18.95	18.98	
3	QPSK	1	14	18.88	18.78	18.97	
3	QPSK	8	0	19.03	19.16	19.02	20.1
3	QPSK	8	4	19.00	19.04	18.91	
3	QPSK	8	7	18.98	18.80	18.93	
3	QPSK	15	0	19.03	18.97	19.08	
3	16QAM	1	0	19.14	19.34	19.15	20.1
3	16QAM	1	8	19.20	19.35	19.30	
3	16QAM	1	14	19.08	18.90	19.31	
3	16QAM	8	0	18.99	19.15	18.92	20.1
3	16QAM	8	4	19.11	19.05	19.07	
3	16QAM	8	7	19.02	18.88	19.17	
3	16QAM	15	0	18.96	18.96	18.99	
3	64QAM	1	0	18.94	19.27	18.95	20.1
3	64QAM	1	8	19.19	19.11	19.19	
3	64QAM	1	14	19.04	18.83	19.25	
3	64QAM	8	0	19.00	19.23	19.00	20.1
3	64QAM	8	4	19.07	19.05	19.04	
3	64QAM	8	7	19.06	18.87	19.23	
3	64QAM	15	0	19.00	19.01	19.04	
3	256QAM	1	0	19.00	19.36	18.79	20
3	256QAM	1	8	19.00	19.17	18.81	
3	256QAM	1	14	19.12	18.62	18.91	
3	256QAM	8	0	18.90	19.08	19.00	20
3	256QAM	8	4	18.95	18.98	18.78	
3	256QAM	8	7	18.94	18.88	18.89	
3	256QAM	15	0	18.95	18.91	18.85	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	18.82	19.20	18.92	20.1
1.4	QPSK	1	3	18.83	18.93	18.93	
1.4	QPSK	1	5	18.84	18.77	18.99	
1.4	QPSK	3	0	18.97	19.15	18.92	
1.4	QPSK	3	1	19.00	19.02	18.93	
1.4	QPSK	3	3	18.96	18.82	18.91	
1.4	QPSK	6	0	19.07	18.96	19.05	20.1
1.4	16QAM	1	0	19.14	19.35	19.20	20.1
1.4	16QAM	1	3	19.30	19.32	19.23	
1.4	16QAM	1	5	19.11	18.91	19.34	
1.4	16QAM	3	0	18.98	19.15	18.94	
1.4	16QAM	3	1	19.10	18.98	19.07	
1.4	16QAM	3	3	19.04	18.82	19.12	
1.4	16QAM	6	0	19.06	18.94	19.01	20.1
1.4	64QAM	1	0	18.92	19.32	19.03	20.1
1.4	64QAM	1	3	19.17	19.15	19.16	
1.4	64QAM	1	5	19.06	18.81	19.26	
1.4	64QAM	3	0	19.00	19.14	19.01	
1.4	64QAM	3	1	19.12	19.01	19.04	
1.4	64QAM	3	3	18.99	18.81	19.19	
1.4	64QAM	6	0	18.98	18.99	19.02	20.1
1.4	256QAM	1	0	18.91	19.38	18.83	20
1.4	256QAM	1	3	19.03	19.13	18.80	
1.4	256QAM	1	5	19.13	18.65	18.97	
1.4	256QAM	3	0	18.84	19.13	19.00	
1.4	256QAM	3	1	18.91	19.04	18.78	
1.4	256QAM	3	3	19.01	18.91	18.88	
1.4	256QAM	6	0	18.97	18.90	18.89	20



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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	18.90	19.33	19.01	19.4
20	QPSK	1	49	18.84	19.01	19.00	
20	QPSK	1	99	18.90	18.80	19.00	
20	QPSK	50	0	19.06	19.22	19.02	19.4
20	QPSK	50	24	19.05	19.04	19.00	
20	QPSK	50	50	19.05	18.84	19.00	
20	QPSK	100	0	19.10	19.02	19.13	
20	16QAM	1	0	19.17	19.40	19.25	19.4
20	16QAM	1	49	19.30	19.35	19.30	
20	16QAM	1	99	19.17	18.97	19.39	
20	16QAM	50	0	19.07	19.21	18.99	19.4
20	16QAM	50	24	19.11	19.08	19.11	
20	16QAM	50	50	19.07	18.90	19.22	
20	16QAM	100	0	19.06	19.01	19.08	
20	64QAM	1	0	18.99	19.33	19.03	19.4
20	64QAM	1	49	19.26	19.18	19.24	
20	64QAM	1	99	19.07	18.85	19.30	
20	64QAM	50	0	19.09	19.24	19.02	19.4
20	64QAM	50	24	19.12	19.08	19.12	
20	64QAM	50	50	19.09	18.90	19.23	
20	64QAM	100	0	19.06	19.04	19.10	
20	256QAM	1	0	19.01	19.39	18.83	19.4
20	256QAM	1	49	19.06	19.23	18.86	
20	256QAM	1	99	19.13	18.69	18.98	
20	256QAM	50	0	18.94	19.17	19.07	19.4
20	256QAM	50	24	18.98	19.06	18.87	
20	256QAM	50	50	19.02	18.93	18.94	
20	256QAM	100	0	19.05	18.98	18.95	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.80	19.26	18.95	19.4
15	QPSK	1	37	18.79	18.95	18.93	
15	QPSK	1	74	18.84	18.76	18.93	
15	QPSK	36	0	18.97	19.20	18.98	19.4
15	QPSK	36	20	19.05	18.95	18.90	
15	QPSK	36	39	18.96	18.79	18.96	
15	QPSK	75	0	19.10	18.93	19.07	
15	16QAM	1	0	19.10	19.36	19.20	19.4
15	16QAM	1	37	19.20	19.28	19.27	
15	16QAM	1	74	19.12	18.96	19.39	
15	16QAM	36	0	19.06	19.17	18.99	19.4
15	16QAM	36	20	19.03	18.99	19.08	
15	16QAM	36	39	19.04	18.85	19.16	
15	16QAM	75	0	18.98	18.94	18.99	
15	64QAM	1	0	18.94	19.28	18.98	19.4
15	64QAM	1	37	19.26	19.16	19.23	
15	64QAM	1	74	19.07	18.82	19.24	
15	64QAM	36	0	19.09	19.24	19.00	19.4
15	64QAM	36	20	19.10	19.04	19.02	
15	64QAM	36	39	19.00	18.86	19.21	
15	64QAM	75	0	18.97	18.99	19.08	
15	256QAM	1	0	19.01	19.36	18.83	19.4
15	256QAM	1	37	19.00	19.13	18.79	
15	256QAM	1	74	19.09	18.59	18.90	
15	256QAM	36	0	18.91	19.08	18.98	19.4
15	256QAM	36	20	18.90	18.97	18.84	



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15	256QAM	36	39	19.01	18.93	18.92	
15	256QAM	75	0	19.02	18.90	18.86	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	18.84	19.18	19.01	19.4
10	QPSK	1	25	18.84	18.98	19.00	
10	QPSK	1	49	18.80	18.70	18.91	
10	QPSK	25	0	19.03	19.21	18.94	19.4
10	QPSK	25	12	19.00	19.01	18.91	
10	QPSK	25	25	19.00	18.74	18.92	
10	QPSK	50	0	19.04	19.01	19.10	
10	16QAM	1	0	19.07	19.31	19.23	
10	16QAM	1	25	19.27	19.25	19.21	19.4
10	16QAM	1	49	19.08	18.94	19.36	
10	16QAM	25	0	18.97	19.19	18.97	19.4
10	16QAM	25	12	19.08	19.08	19.03	
10	16QAM	25	25	19.02	18.83	19.20	
10	16QAM	50	0	19.03	18.97	19.04	
10	64QAM	1	0	18.90	19.24	18.99	
10	64QAM	1	25	19.20	19.18	19.18	19.4
10	64QAM	1	49	18.98	18.80	19.29	
10	64QAM	25	0	19.07	19.22	18.99	
10	64QAM	25	12	19.07	18.99	19.12	19.4
10	64QAM	25	25	19.07	18.86	19.22	
10	64QAM	50	0	19.06	18.94	19.08	
10	256QAM	1	0	18.93	19.39	18.75	
10	256QAM	1	25	19.00	19.14	18.80	
10	256QAM	1	49	19.10	18.61	18.95	19.4
10	256QAM	25	0	18.90	19.08	18.99	
10	256QAM	25	12	18.90	19.03	18.82	
10	256QAM	25	25	19.01	18.92	18.90	
10	256QAM	50	0	19.04	18.96	18.85	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	18.82	19.28	18.98	19.4
5	QPSK	1	12	18.80	19.00	18.97	
5	QPSK	1	24	18.84	18.72	18.92	
5	QPSK	12	0	19.03	19.22	19.01	19.4
5	QPSK	12	7	18.97	18.99	18.98	
5	QPSK	12	13	19.03	18.78	18.90	
5	QPSK	25	0	19.02	18.96	19.13	
5	16QAM	1	0	19.14	19.39	19.18	
5	16QAM	1	12	19.30	19.25	19.24	19.4
5	16QAM	1	24	19.10	18.97	19.30	
5	16QAM	12	0	19.02	19.13	18.95	
5	16QAM	12	7	19.01	19.06	19.06	19.4
5	16QAM	12	13	19.00	18.88	19.12	
5	16QAM	25	0	18.99	18.98	18.98	
5	64QAM	1	0	18.98	19.32	18.98	
5	64QAM	1	12	19.18	19.13	19.22	
5	64QAM	1	24	19.02	18.78	19.27	19.4
5	64QAM	12	0	19.05	19.17	18.94	
5	64QAM	12	7	19.05	18.99	19.02	
5	64QAM	12	13	19.02	18.83	19.21	
5	64QAM	25	0	19.04	18.98	19.05	
5	256QAM	1	0	18.92	19.38	18.79	19.4
5	256QAM	1	12	18.96	19.21	18.77	
5	256QAM	1	24	19.12	18.68	18.98	
5	256QAM	12	0	18.86	19.17	19.00	
5	256QAM	12	7	18.98	18.96	18.78	
5	256QAM	12	13	18.94	18.90	18.90	19.4
5	256QAM	25	0	19.00	18.95	18.87	



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Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	18.84	19.23	18.93	19.4
3	QPSK	1	8	18.79	18.95	18.98	
3	QPSK	1	14	18.88	18.78	18.97	
3	QPSK	8	0	19.03	19.16	19.02	19.4
3	QPSK	8	4	19.00	19.04	18.91	
3	QPSK	8	7	18.98	18.80	18.93	
3	QPSK	15	0	19.03	18.97	19.08	
3	16QAM	1	0	19.14	19.34	19.15	
3	16QAM	1	8	19.20	19.35	19.30	19.4
3	16QAM	1	14	19.08	18.90	19.31	
3	16QAM	8	0	18.99	19.15	18.92	
3	16QAM	8	4	19.11	19.05	19.07	19.4
3	16QAM	8	7	19.02	18.88	19.17	
3	16QAM	15	0	18.96	18.96	18.99	
3	64QAM	1	0	18.94	19.27	18.95	
3	64QAM	1	8	19.19	19.11	19.19	
3	64QAM	1	14	19.04	18.83	19.25	19.4
3	64QAM	8	0	19.00	19.23	19.00	
3	64QAM	8	4	19.07	19.05	19.04	
3	64QAM	8	7	19.06	18.87	19.23	
3	64QAM	15	0	19.00	19.01	19.04	
3	256QAM	1	0	19.00	19.36	18.79	19.4
3	256QAM	1	8	19.00	19.17	18.81	
3	256QAM	1	14	19.12	18.62	18.91	
3	256QAM	8	0	18.90	19.08	19.00	19.4
3	256QAM	8	4	18.95	18.98	18.78	
3	256QAM	8	7	18.94	18.88	18.89	
3	256QAM	8	0	18.95	18.91	18.85	
3	256QAM	15	0	18.95	18.91	18.85	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	18.82	19.20	18.92	19.4
1.4	QPSK	1	3	18.83	18.93	18.93	
1.4	QPSK	1	5	18.84	18.77	18.99	
1.4	QPSK	3	0	18.97	19.15	18.92	
1.4	QPSK	3	1	19.00	19.02	18.93	
1.4	QPSK	3	3	18.96	18.82	18.91	
1.4	QPSK	6	0	19.07	18.96	19.05	
1.4	16QAM	1	0	19.14	19.35	19.20	19.4
1.4	16QAM	1	3	19.30	19.32	19.23	
1.4	16QAM	1	5	19.11	18.91	19.34	
1.4	16QAM	3	0	18.98	19.15	18.94	
1.4	16QAM	3	1	19.10	18.98	19.07	
1.4	16QAM	3	3	19.04	18.82	19.12	
1.4	16QAM	6	0	19.06	18.94	19.01	
1.4	64QAM	1	0	18.92	19.32	19.03	19.4
1.4	64QAM	1	3	19.17	19.15	19.16	
1.4	64QAM	1	5	19.06	18.81	19.26	
1.4	64QAM	3	0	19.00	19.14	19.01	
1.4	64QAM	3	1	19.12	19.01	19.04	
1.4	64QAM	3	3	18.99	18.81	19.19	
1.4	64QAM	6	0	18.98	18.99	19.02	
1.4	256QAM	1	0	18.91	19.38	18.83	19.4
1.4	256QAM	1	3	19.03	19.13	18.80	
1.4	256QAM	1	5	19.13	18.65	18.97	
1.4	256QAM	3	0	18.84	19.13	19.00	
1.4	256QAM	3	1	18.91	19.04	18.78	
1.4	256QAM	3	3	19.01	18.91	18.88	
1.4	256QAM	6	0	18.97	18.90	18.89	



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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	24.38	24.64	24.59	25.5
15	QPSK	1	37	24.31	24.53	24.54	
15	QPSK	1	74	24.34	24.46	24.43	
15	QPSK	36	0	23.47	23.60	23.58	24.5
15	QPSK	36	20	23.46	23.57	23.54	
15	QPSK	36	39	23.43	23.54	23.58	
15	QPSK	75	0	23.49	23.65	23.64	
15	16QAM	1	0	23.78	23.81	24.02	24.5
15	16QAM	1	37	23.71	23.77	23.80	
15	16QAM	1	74	23.71	23.89	23.75	
15	16QAM	36	0	22.52	22.60	22.65	23.5
15	16QAM	36	20	22.49	22.57	22.59	
15	16QAM	36	39	22.46	22.54	22.55	
15	16QAM	75	0	22.50	22.57	22.60	
15	64QAM	1	0	22.69	22.80	22.81	23.5
15	64QAM	1	37	22.68	22.64	22.64	
15	64QAM	1	74	22.54	22.51	22.48	
15	64QAM	36	0	21.50	21.57	21.61	22.5
15	64QAM	36	20	21.47	21.51	21.55	
15	64QAM	36	39	21.42	21.49	21.49	
15	64QAM	75	0	21.47	21.54	21.57	
15	256QAM	1	0	19.76	19.70	19.73	20.5
15	256QAM	1	37	19.47	19.59	19.47	
15	256QAM	1	74	19.35	19.50	19.27	
15	256QAM	36	0	19.65	19.51	19.58	20.5
15	256QAM	36	20	19.33	19.45	19.38	
15	256QAM	36	39	19.27	19.32	19.33	
15	256QAM	75	0	19.43	19.48	19.44	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.31	24.39	24.61	25.5
10	QPSK	1	25	24.20	24.43	24.41	
10	QPSK	1	49	24.37	24.46	24.49	
10	QPSK	25	0	23.49	23.60	23.67	24.5
10	QPSK	25	12	23.51	23.65	23.64	
10	QPSK	25	25	23.49	23.58	23.63	
10	QPSK	50	0	23.55	23.60	23.67	
10	16QAM	1	0	23.71	23.77	23.89	24.5
10	16QAM	1	25	23.60	23.66	23.63	
10	16QAM	1	49	23.70	23.88	23.79	
10	16QAM	25	0	22.63	22.72	22.72	23.5
10	16QAM	25	12	22.61	22.72	22.67	
10	16QAM	25	25	22.57	22.67	22.66	
10	16QAM	50	0	22.56	22.61	22.64	
10	64QAM	1	0	22.67	22.80	22.86	23.5
10	64QAM	1	25	22.68	22.70	22.44	
10	64QAM	1	49	22.73	22.75	22.52	
10	64QAM	25	0	21.56	21.63	21.62	22.5
10	64QAM	25	12	21.53	21.57	21.59	
10	64QAM	25	25	21.48	21.57	21.52	
10	64QAM	50	0	21.59	21.68	21.65	
10	256QAM	1	0	19.64	19.78	19.68	20.5
10	256QAM	1	25	19.47	19.46	19.41	
10	256QAM	1	49	19.25	19.33	19.19	
10	256QAM	25	0	19.57	19.65	19.48	20.5
10	256QAM	25	12	19.33	19.29	19.29	



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10	256QAM	25	25	19.18	19.23	19.29	
10	256QAM	50	0	19.40	19.44	19.41	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.29	24.39	24.52	25.5
5	QPSK	1	12	24.38	24.61	24.55	
5	QPSK	1	24	24.46	24.58	24.51	
5	QPSK	12	0	23.51	23.55	23.64	24.5
5	QPSK	12	7	23.55	23.65	23.64	
5	QPSK	12	13	23.56	23.59	23.61	
5	QPSK	25	0	23.54	23.61	23.67	24.5
5	16QAM	1	0	23.70	23.79	23.82	
5	16QAM	1	12	23.74	23.78	23.67	
5	16QAM	1	24	23.79	23.87	23.82	23.5
5	16QAM	12	0	22.58	22.68	22.65	
5	16QAM	12	7	22.60	22.70	22.61	
5	16QAM	12	13	22.60	22.66	22.59	23.5
5	16QAM	25	0	22.64	22.65	22.65	
5	64QAM	1	0	22.63	22.74	22.76	
5	64QAM	1	12	22.74	22.80	22.57	23.5
5	64QAM	1	24	22.69	22.69	22.56	
5	64QAM	12	0	21.53	21.60	21.71	
5	64QAM	12	7	21.56	21.57	21.58	22.5
5	64QAM	12	13	21.51	21.60	21.50	
5	64QAM	25	0	21.54	21.65	21.61	
5	256QAM	1	0	19.67	19.79	19.67	20.5
5	256QAM	1	12	19.36	19.42	19.44	
5	256QAM	1	24	19.25	19.32	19.27	
5	256QAM	12	0	19.57	19.59	19.62	20.5
5	256QAM	12	7	19.24	19.28	19.25	
5	256QAM	12	13	19.20	19.30	19.24	
5	256QAM	25	0	19.43	19.43	19.37	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.36	24.40	24.55	25.5
3	QPSK	1	8	24.37	24.57	24.48	
3	QPSK	1	14	24.51	24.61	24.55	
3	QPSK	8	0	23.46	23.50	23.56	24.5
3	QPSK	8	4	23.50	23.64	23.60	
3	QPSK	8	7	23.54	23.61	23.60	
3	QPSK	15	0	23.51	23.58	23.58	24.5
3	16QAM	1	0	23.67	23.85	23.80	
3	16QAM	1	8	23.58	23.80	23.73	
3	16QAM	1	14	23.76	24.01	23.93	23.5
3	16QAM	8	0	22.59	22.69	22.61	
3	16QAM	8	4	22.65	22.73	22.64	
3	16QAM	8	7	22.59	22.68	22.62	23.5
3	16QAM	15	0	22.54	22.61	22.55	
3	64QAM	1	0	22.69	22.74	22.75	
3	64QAM	1	8	22.64	22.75	22.49	23.5
3	64QAM	1	14	22.77	22.70	22.57	
3	64QAM	8	0	21.49	21.59	21.58	
3	64QAM	8	4	21.58	21.62	21.57	22.5
3	64QAM	8	7	21.54	21.60	21.55	
3	64QAM	15	0	21.51	21.60	21.57	
3	256QAM	1	0	19.61	19.78	19.65	20.5
3	256QAM	1	8	19.40	19.49	19.44	
3	256QAM	1	14	19.20	19.28	19.27	
3	256QAM	8	0	19.54	19.63	19.61	20.5
3	256QAM	8	4	19.36	19.30	19.26	
3	256QAM	8	7	19.29	19.25	19.21	
3	256QAM	15	0	19.34	19.48	19.43	



Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	24.63	24.60	24.56	25.5
1.4	QPSK	1	3	24.51	24.57	24.45	
1.4	QPSK	1	5	24.60	24.60	24.48	
1.4	QPSK	3	0	24.63	24.63	24.52	
1.4	QPSK	3	1	24.62	24.60	24.54	
1.4	QPSK	3	3	24.60	24.60	24.58	
1.4	QPSK	6	0	23.73	23.70	23.61	24.5
1.4	16QAM	1	0	23.92	23.92	23.82	24.5
1.4	16QAM	1	3	23.80	23.77	23.64	
1.4	16QAM	1	5	23.96	23.97	23.75	
1.4	16QAM	3	0	23.71	23.73	23.59	
1.4	16QAM	3	1	23.72	23.70	23.56	
1.4	16QAM	3	3	23.72	23.69	23.54	
1.4	16QAM	6	0	22.72	22.69	22.56	23.5
1.4	64QAM	1	0	22.85	22.81	22.75	23.5
1.4	64QAM	1	3	22.79	22.76	22.66	
1.4	64QAM	1	5	22.89	22.85	22.75	
1.4	64QAM	3	0	22.73	22.73	22.61	
1.4	64QAM	3	1	22.77	22.72	22.61	
1.4	64QAM	3	3	22.72	22.71	22.58	
1.4	64QAM	6	0	21.62	21.59	21.51	22.5
1.4	256QAM	1	0	19.66	19.79	19.68	20.5
1.4	256QAM	1	3	19.38	19.43	19.38	
1.4	256QAM	1	5	19.34	19.34	19.29	
1.4	256QAM	3	0	19.50	19.60	19.51	
1.4	256QAM	3	1	19.29	19.31	19.25	
1.4	256QAM	3	3	19.20	19.33	19.29	
1.4	256QAM	6	0	19.34	19.43	19.36	20.5



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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	24.51	24.57	24.53	25.1
15	QPSK	1	37	24.43	24.56	24.50	
15	QPSK	1	74	24.46	24.46	24.43	
15	QPSK	36	0	23.60	23.67	23.64	24.1
15	QPSK	36	20	23.58	23.60	23.61	
15	QPSK	36	39	23.56	23.58	23.56	
15	QPSK	75	0	23.62	23.62	23.64	24.1
15	16QAM	1	0	23.90	23.97	23.99	
15	16QAM	1	37	23.79	23.91	23.82	
15	16QAM	1	74	23.84	23.79	23.78	23.1
15	16QAM	36	0	22.60	22.64	22.58	
15	16QAM	36	20	22.55	22.62	22.54	
15	16QAM	36	39	22.55	22.55	22.51	23.1
15	16QAM	75	0	22.56	22.60	22.60	
15	64QAM	1	0	22.86	22.83	22.84	
15	64QAM	1	37	22.77	22.81	22.74	23.1
15	64QAM	1	74	22.69	22.75	22.63	
15	64QAM	36	0	21.56	21.64	21.57	
15	64QAM	36	20	21.53	21.57	21.52	22.1
15	64QAM	36	39	21.50	21.52	21.49	
15	64QAM	75	0	21.53	21.57	21.52	
15	256QAM	1	0	19.61	19.62	19.55	20.1
15	256QAM	1	37	19.74	19.47	19.63	
15	256QAM	1	74	19.58	19.47	19.62	
15	256QAM	36	0	19.48	19.30	19.45	20.1
15	256QAM	36	20	19.45	19.30	19.42	
15	256QAM	36	39	19.41	19.31	19.45	
15	256QAM	75	0	19.47	19.34	19.45	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.43	24.43	24.48	25.1
10	QPSK	1	25	24.22	24.39	24.35	
10	QPSK	1	49	24.42	24.48	24.41	
10	QPSK	25	0	23.58	23.61	23.60	24.1
10	QPSK	25	12	23.58	23.59	23.55	
10	QPSK	25	25	23.55	23.55	23.49	
10	QPSK	50	0	23.65	23.53	23.58	24.1
10	16QAM	1	0	23.94	23.87	23.84	
10	16QAM	1	25	23.64	23.84	23.76	
10	16QAM	1	49	23.81	23.86	23.71	23.1
10	16QAM	25	0	22.61	22.62	22.58	
10	16QAM	25	12	22.58	22.62	22.53	
10	16QAM	25	25	22.56	22.61	22.53	23.1
10	16QAM	50	0	22.55	22.58	22.56	
10	64QAM	1	0	22.80	22.81	22.73	
10	64QAM	1	25	22.77	22.71	22.53	23.1
10	64QAM	1	49	22.63	22.92	22.62	
10	64QAM	25	0	21.51	21.66	21.54	
10	64QAM	25	12	21.51	21.59	21.53	22.1
10	64QAM	25	25	21.47	21.52	21.49	
10	64QAM	50	0	21.57	21.62	21.53	
10	256QAM	1	0	19.67	19.59	19.56	20.1
10	256QAM	1	25	19.68	19.49	19.60	
10	256QAM	1	49	19.51	19.53	19.57	
10	256QAM	25	0	19.43	19.49	19.37	20.1
10	256QAM	25	12	19.45	19.38	19.35	



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10	256QAM	25	25	19.37	19.38	19.35	
10	256QAM	50	0	19.45	19.50	19.38	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.27	24.26	24.29	25.1
5	QPSK	1	12	24.25	24.40	24.36	
5	QPSK	1	24	24.34	24.40	24.35	
5	QPSK	12	0	23.38	23.45	23.43	24.1
5	QPSK	12	7	23.39	23.47	23.43	
5	QPSK	12	13	23.38	23.45	23.40	
5	QPSK	25	0	23.42	23.35	23.43	
5	16QAM	1	0	23.80	23.88	23.80	24.1
5	16QAM	1	12	23.61	23.80	23.78	
5	16QAM	1	24	23.65	23.82	23.65	
5	16QAM	12	0	22.40	22.47	22.40	23.1
5	16QAM	12	7	22.37	22.49	22.39	
5	16QAM	12	13	22.31	22.45	22.36	
5	16QAM	25	0	22.33	22.45	22.42	
5	64QAM	1	0	22.60	22.54	22.53	23.1
5	64QAM	1	12	22.65	22.57	22.51	
5	64QAM	1	24	22.56	22.67	22.48	
5	64QAM	12	0	21.29	21.48	21.33	22.1
5	64QAM	12	7	21.33	21.40	21.38	
5	64QAM	12	13	21.29	21.37	21.33	
5	64QAM	25	0	21.29	21.36	21.33	
5	256QAM	1	0	19.67	19.62	19.58	20.1
5	256QAM	1	12	19.72	19.57	19.60	
5	256QAM	1	24	19.56	19.45	19.57	
5	256QAM	12	0	19.45	19.42	19.38	20.1
5	256QAM	12	7	19.43	19.40	19.41	
5	256QAM	12	13	19.35	19.37	19.40	
5	256QAM	25	0	19.45	19.44	19.45	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.44	24.43	24.47	25.1
3	QPSK	1	8	24.27	24.45	24.38	
3	QPSK	1	14	24.42	24.54	24.46	
3	QPSK	8	0	23.46	23.51	23.46	24.1
3	QPSK	8	4	23.43	23.53	23.43	
3	QPSK	8	7	23.49	23.52	23.44	
3	QPSK	15	0	23.47	23.45	23.46	
3	16QAM	1	0	23.90	23.99	23.95	24.1
3	16QAM	1	8	23.66	23.78	23.79	
3	16QAM	1	14	23.85	23.89	23.83	
3	16QAM	8	0	22.47	22.49	22.41	23.1
3	16QAM	8	4	22.45	22.49	22.41	
3	16QAM	8	7	22.45	22.49	22.38	
3	16QAM	15	0	22.40	22.48	22.41	
3	64QAM	1	0	22.67	22.61	22.41	23.1
3	64QAM	1	8	22.63	22.58	22.44	
3	64QAM	1	14	22.64	22.70	22.47	
3	64QAM	8	0	21.36	21.51	21.41	22.1
3	64QAM	8	4	21.38	21.44	21.41	
3	64QAM	8	7	21.40	21.46	21.39	
3	64QAM	15	0	21.38	21.45	21.35	
3	256QAM	1	0	19.75	19.59	19.57	20.1
3	256QAM	1	8	19.64	19.54	19.58	
3	256QAM	1	14	19.57	19.50	19.60	
3	256QAM	8	0	19.38	19.46	19.38	20.1
3	256QAM	8	4	19.41	19.42	19.40	
3	256QAM	8	7	19.37	19.30	19.40	
3	256QAM	15	0	19.43	19.43	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	24.52	24.52	24.51	25.1
1.4	QPSK	1	3	24.52	24.45	24.25	
1.4	QPSK	1	5	24.56	24.49	24.48	
1.4	QPSK	3	0	24.55	24.51	24.42	
1.4	QPSK	3	1	24.51	24.51	24.49	
1.4	QPSK	3	3	24.50	24.49	24.47	
1.4	QPSK	6	0	23.62	23.60	23.49	24.1
1.4	16QAM	1	0	23.88	23.91	23.75	24.1
1.4	16QAM	1	3	23.75	23.73	23.55	
1.4	16QAM	1	5	23.91	23.92	23.71	
1.4	16QAM	3	0	23.73	23.76	23.56	
1.4	16QAM	3	1	23.75	23.74	23.55	
1.4	16QAM	3	3	23.62	23.63	23.47	
1.4	16QAM	6	0	22.68	22.65	22.56	23.1
1.4	64QAM	1	0	22.74	22.70	22.64	23.1
1.4	64QAM	1	3	22.67	22.69	22.56	
1.4	64QAM	1	5	22.75	22.76	22.64	
1.4	64QAM	3	0	22.66	22.64	22.50	
1.4	64QAM	3	1	22.68	22.68	22.61	
1.4	64QAM	3	3	22.64	22.67	22.53	
1.4	64QAM	6	0	21.55	21.63	21.48	22.1
1.4	256QAM	1	0	19.52	19.42	19.43	20.1
1.4	256QAM	1	3	19.53	19.52	19.40	
1.4	256QAM	1	5	19.52	19.53	19.62	
1.4	256QAM	3	0	19.59	19.53	19.43	
1.4	256QAM	3	1	19.57	19.44	19.41	
1.4	256QAM	3	3	19.60	19.52	19.42	
1.4	256QAM	6	0	19.55	19.50	19.33	20.1



<LTE Band 26_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				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	20.77	20.74	20.72	22.1
15	QPSK	1	37	20.71	20.73	20.70	
15	QPSK	1	74	20.72	20.64	20.70	
15	QPSK	36	0	20.84	20.82	20.77	22.1
15	QPSK	36	20	20.80	20.77	20.75	
15	QPSK	36	39	20.76	20.74	20.72	
15	QPSK	75	0	20.84	20.78	20.80	22.1
15	16QAM	1	0	21.10	21.08	21.05	
15	16QAM	1	37	20.95	20.96	20.91	
15	16QAM	1	74	20.89	20.77	20.71	22.1
15	16QAM	36	0	20.83	20.83	20.75	
15	16QAM	36	20	20.77	20.79	20.73	
15	16QAM	36	39	20.72	20.75	20.69	22.1
15	16QAM	75	0	20.81	20.79	20.76	
15	64QAM	1	0	21.11	20.96	21.03	
15	64QAM	1	37	20.91	21.04	20.94	22.1
15	64QAM	1	74	20.86	20.90	20.85	
15	64QAM	36	0	20.61	20.63	20.58	
15	64QAM	36	20	20.58	20.60	20.52	22.1
15	64QAM	36	39	20.56	20.56	20.51	
15	64QAM	75	0	20.55	20.57	20.52	
15	256QAM	1	0	18.66	18.70	18.55	20.1
15	256QAM	1	37	18.79	18.54	18.70	
15	256QAM	1	74	18.61	18.48	18.70	
15	256QAM	36	0	18.51	18.41	18.52	20.1
15	256QAM	36	20	18.46	18.32	18.45	
15	256QAM	36	39	18.47	18.40	18.45	
15	256QAM	75	0	18.54	18.41	18.45	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	20.75	20.69	20.63	22.1
10	QPSK	1	25	20.64	20.72	20.60	
10	QPSK	1	49	20.62	20.60	20.68	
10	QPSK	25	0	20.74	20.76	20.75	22.1
10	QPSK	25	12	20.71	20.68	20.72	
10	QPSK	25	25	20.66	20.74	20.65	
10	QPSK	50	0	20.82	20.71	20.72	22.1
10	16QAM	1	0	21.04	21.06	20.95	
10	16QAM	1	25	20.92	20.92	20.91	
10	16QAM	1	49	20.86	20.67	20.61	22.1
10	16QAM	25	0	20.73	20.79	20.68	
10	16QAM	25	12	20.74	20.72	20.72	
10	16QAM	25	25	20.71	20.70	20.61	22.1
10	16QAM	50	0	20.79	20.78	20.72	
10	64QAM	1	0	21.09	20.88	20.97	
10	64QAM	1	25	20.84	21.02	20.87	22.1
10	64QAM	1	49	20.79	20.89	20.83	
10	64QAM	25	0	20.60	20.59	20.50	
10	64QAM	25	12	20.48	20.60	20.49	22.1
10	64QAM	25	25	20.54	20.53	20.41	
10	64QAM	50	0	20.52	20.51	20.49	
10	256QAM	1	0	18.65	18.64	18.54	20.1
10	256QAM	1	25	18.69	18.48	18.64	
10	256QAM	1	49	18.55	18.41	18.60	
10	256QAM	25	0	18.50	18.41	18.44	20.1
10	256QAM	25	12	18.43	18.31	18.42	



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10	256QAM	25	25	18.37	18.36	18.37	
10	256QAM	50	0	18.52	18.40	18.43	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	20.69	20.68	20.63	22.1
5	QPSK	1	12	20.65	20.71	20.65	
5	QPSK	1	24	20.68	20.80	20.60	
5	QPSK	12	0	20.79	20.75	20.68	22.1
5	QPSK	12	7	20.70	20.77	20.72	
5	QPSK	12	13	20.68	20.67	20.72	
5	QPSK	25	0	20.80	20.68	20.71	22.1
5	16QAM	1	0	21.02	20.99	21.01	
5	16QAM	1	12	20.95	20.91	20.89	
5	16QAM	1	24	20.84	20.72	20.65	22.1
5	16QAM	12	0	20.73	20.78	20.73	
5	16QAM	12	7	20.71	20.73	20.72	
5	16QAM	12	13	20.62	20.68	20.63	22.1
5	16QAM	25	0	20.81	20.74	20.68	
5	64QAM	1	0	21.06	20.95	20.98	
5	64QAM	1	12	20.85	20.94	20.85	22.1
5	64QAM	1	24	20.79	20.87	20.85	
5	64QAM	12	0	20.54	20.57	20.48	
5	64QAM	12	7	20.51	20.53	20.49	22.1
5	64QAM	12	13	20.55	20.51	20.46	
5	64QAM	25	0	20.45	20.54	20.48	
5	256QAM	1	0	18.65	18.66	18.46	20.1
5	256QAM	1	12	18.75	18.46	18.64	
5	256QAM	1	24	18.55	18.45	18.66	
5	256QAM	12	0	18.46	18.33	18.48	20.1
5	256QAM	12	7	18.42	18.25	18.38	
5	256QAM	12	13	18.47	18.30	18.37	
5	256QAM	25	0	18.54	18.39	18.38	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	20.68	20.70	20.66	22.1
3	QPSK	1	8	20.67	20.67	20.62	
3	QPSK	1	14	20.67	20.60	20.60	
3	QPSK	8	0	20.77	20.72	20.69	22.1
3	QPSK	8	4	20.75	20.67	20.72	
3	QPSK	8	7	20.68	20.66	20.70	
3	QPSK	15	0	20.75	20.78	20.75	22.1
3	16QAM	1	0	21.03	21.03	20.99	
3	16QAM	1	8	20.86	20.93	20.87	
3	16QAM	1	14	20.79	20.71	20.71	22.1
3	16QAM	8	0	20.81	20.83	20.70	
3	16QAM	8	4	20.71	20.79	20.68	
3	16QAM	8	7	20.72	20.69	20.62	22.1
3	16QAM	15	0	20.79	20.77	20.68	
3	64QAM	1	0	21.05	20.90	20.94	
3	64QAM	1	8	20.89	21.00	20.85	22.1
3	64QAM	1	14	20.77	20.89	20.81	
3	64QAM	8	0	20.61	20.60	20.51	
3	64QAM	8	4	20.54	20.56	20.44	22.1
3	64QAM	8	7	20.56	20.56	20.51	
3	64QAM	15	0	20.46	20.51	20.43	
3	256QAM	1	0	18.63	18.70	18.47	20.1
3	256QAM	1	8	18.75	18.53	18.65	
3	256QAM	1	14	18.61	18.45	18.62	
3	256QAM	8	0	18.45	18.34	18.50	20.1
3	256QAM	8	4	18.44	18.29	18.45	
3	256QAM	8	7	18.46	18.39	18.45	
3	256QAM	15	0	18.51	18.34	18.37	



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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	20.69	20.78	20.68	22.1
1.4	QPSK	1	3	20.66	20.64	20.70	
1.4	QPSK	1	5	20.74	20.76	20.65	
1.4	QPSK	3	0	20.67	20.71	20.65	
1.4	QPSK	3	1	20.71	20.76	20.62	
1.4	QPSK	3	3	20.73	20.75	20.62	
1.4	QPSK	6	0	20.78	20.75	20.64	22.1
1.4	16QAM	1	0	21.01	21.08	20.91	22.1
1.4	16QAM	1	3	20.95	20.95	20.71	
1.4	16QAM	1	5	21.02	21.02	20.80	
1.4	16QAM	3	0	20.77	20.84	20.73	
1.4	16QAM	3	1	20.80	20.88	20.69	
1.4	16QAM	3	3	20.78	20.78	20.66	
1.4	16QAM	6	0	20.83	20.79	20.67	22.1
1.4	64QAM	1	0	20.92	20.96	20.79	22.1
1.4	64QAM	1	3	20.95	20.83	20.71	
1.4	64QAM	1	5	21.01	20.96	20.76	
1.4	64QAM	3	0	20.90	20.81	20.70	
1.4	64QAM	3	1	20.86	20.82	20.63	
1.4	64QAM	3	3	20.90	20.87	20.67	
1.4	64QAM	6	0	20.64	20.58	20.39	22.1
1.4	256QAM	1	0	18.62	18.56	18.49	20.1
1.4	256QAM	1	3	18.52	18.47	18.30	
1.4	256QAM	1	5	18.53	18.56	18.46	
1.4	256QAM	3	0	18.50	18.42	18.37	
1.4	256QAM	3	1	18.55	18.44	18.40	
1.4	256QAM	3	3	18.51	18.49	18.50	
1.4	256QAM	6	0	18.50	18.51	18.41	20.1



<LTE Band 26_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				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	20.77	20.74	20.72	21.4
15	QPSK	1	37	20.71	20.73	20.70	
15	QPSK	1	74	20.72	20.64	20.70	
15	QPSK	36	0	20.84	20.82	20.77	21.4
15	QPSK	36	20	20.80	20.77	20.75	
15	QPSK	36	39	20.76	20.74	20.72	
15	QPSK	75	0	20.84	20.78	20.80	21.4
15	16QAM	1	0	21.10	21.08	21.05	
15	16QAM	1	37	20.95	20.96	20.91	
15	16QAM	1	74	20.89	20.77	20.71	21.4
15	16QAM	36	0	20.83	20.83	20.75	
15	16QAM	36	20	20.77	20.79	20.73	
15	16QAM	36	39	20.72	20.75	20.69	21.4
15	16QAM	75	0	20.81	20.79	20.76	
15	64QAM	1	0	21.11	20.96	21.03	
15	64QAM	1	37	20.91	21.04	20.94	21.4
15	64QAM	1	74	20.86	20.90	20.85	
15	64QAM	36	0	20.61	20.63	20.58	
15	64QAM	36	20	20.58	20.60	20.52	21.4
15	64QAM	36	39	20.56	20.56	20.51	
15	64QAM	75	0	20.55	20.57	20.52	
15	256QAM	1	0	18.66	18.70	18.55	19.9
15	256QAM	1	37	18.79	18.54	18.70	
15	256QAM	1	74	18.61	18.48	18.70	
15	256QAM	36	0	18.51	18.41	18.52	19.9
15	256QAM	36	20	18.46	18.32	18.45	
15	256QAM	36	39	18.47	18.40	18.45	
15	256QAM	75	0	18.54	18.41	18.45	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	20.75	20.69	20.63	21.4
10	QPSK	1	25	20.64	20.72	20.60	
10	QPSK	1	49	20.62	20.60	20.68	
10	QPSK	25	0	20.74	20.76	20.75	21.4
10	QPSK	25	12	20.71	20.68	20.72	
10	QPSK	25	25	20.66	20.74	20.65	
10	QPSK	50	0	20.82	20.71	20.72	21.4
10	16QAM	1	0	21.04	21.06	20.95	
10	16QAM	1	25	20.92	20.92	20.91	
10	16QAM	1	49	20.86	20.67	20.61	21.4
10	16QAM	25	0	20.73	20.79	20.68	
10	16QAM	25	12	20.74	20.72	20.72	
10	16QAM	25	25	20.71	20.70	20.61	21.4
10	16QAM	50	0	20.79	20.78	20.72	
10	64QAM	1	0	21.09	20.88	20.97	
10	64QAM	1	25	20.84	21.02	20.87	21.4
10	64QAM	1	49	20.79	20.89	20.83	
10	64QAM	25	0	20.60	20.59	20.50	
10	64QAM	25	12	20.48	20.60	20.49	21.4
10	64QAM	25	25	20.54	20.53	20.41	
10	64QAM	50	0	20.52	20.51	20.49	
10	256QAM	1	0	18.65	18.64	18.54	19.9
10	256QAM	1	25	18.69	18.48	18.64	
10	256QAM	1	49	18.55	18.41	18.60	
10	256QAM	25	0	18.50	18.41	18.44	19.9
10	256QAM	25	12	18.43	18.31	18.42	



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10	256QAM	25	25	18.37	18.36	18.37	
10	256QAM	50	0	18.52	18.40	18.43	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	20.69	20.68	20.63	21.4
5	QPSK	1	12	20.65	20.71	20.65	
5	QPSK	1	24	20.68	20.80	20.60	
5	QPSK	12	0	20.79	20.75	20.68	21.4
5	QPSK	12	7	20.70	20.77	20.72	
5	QPSK	12	13	20.68	20.67	20.72	
5	QPSK	25	0	20.80	20.68	20.71	21.4
5	16QAM	1	0	21.02	20.99	21.01	
5	16QAM	1	12	20.95	20.91	20.89	
5	16QAM	1	24	20.84	20.72	20.65	21.4
5	16QAM	12	0	20.73	20.78	20.73	
5	16QAM	12	7	20.71	20.73	20.72	
5	16QAM	12	13	20.62	20.68	20.63	21.4
5	16QAM	25	0	20.81	20.74	20.68	
5	64QAM	1	0	21.06	20.95	20.98	
5	64QAM	1	12	20.85	20.94	20.85	21.4
5	64QAM	1	24	20.79	20.87	20.85	
5	64QAM	12	0	20.54	20.57	20.48	
5	64QAM	12	7	20.51	20.53	20.49	21.4
5	64QAM	12	13	20.55	20.51	20.46	
5	64QAM	25	0	20.45	20.54	20.48	
5	256QAM	1	0	18.65	18.66	18.46	19.9
5	256QAM	1	12	18.75	18.46	18.64	
5	256QAM	1	24	18.55	18.45	18.66	
5	256QAM	12	0	18.46	18.33	18.48	19.9
5	256QAM	12	7	18.42	18.25	18.38	
5	256QAM	12	13	18.47	18.30	18.37	
5	256QAM	25	0	18.54	18.39	18.38	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	20.68	20.70	20.66	21.4
3	QPSK	1	8	20.67	20.67	20.62	
3	QPSK	1	14	20.67	20.60	20.60	
3	QPSK	8	0	20.77	20.72	20.69	21.4
3	QPSK	8	4	20.75	20.67	20.72	
3	QPSK	8	7	20.68	20.66	20.70	
3	QPSK	15	0	20.75	20.78	20.75	21.4
3	16QAM	1	0	21.03	21.03	20.99	
3	16QAM	1	8	20.86	20.93	20.87	
3	16QAM	1	14	20.79	20.71	20.71	21.4
3	16QAM	8	0	20.81	20.83	20.70	
3	16QAM	8	4	20.71	20.79	20.68	
3	16QAM	8	7	20.72	20.69	20.62	21.4
3	16QAM	15	0	20.79	20.77	20.68	
3	64QAM	1	0	21.05	20.90	20.94	
3	64QAM	1	8	20.89	21.00	20.85	21.4
3	64QAM	1	14	20.77	20.89	20.81	
3	64QAM	8	0	20.61	20.60	20.51	
3	64QAM	8	4	20.54	20.56	20.44	21.4
3	64QAM	8	7	20.56	20.56	20.51	
3	64QAM	15	0	20.46	20.51	20.43	
3	256QAM	1	0	18.63	18.70	18.47	19.9
3	256QAM	1	8	18.75	18.53	18.65	
3	256QAM	1	14	18.61	18.45	18.62	
3	256QAM	8	0	18.45	18.34	18.50	19.9
3	256QAM	8	4	18.44	18.29	18.45	
3	256QAM	8	7	18.46	18.39	18.45	
3	256QAM	15	0	18.51	18.34	18.37	



Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	20.69	20.78	20.68	21.4
1.4	QPSK	1	3	20.66	20.64	20.70	
1.4	QPSK	1	5	20.74	20.76	20.65	
1.4	QPSK	3	0	20.67	20.71	20.65	
1.4	QPSK	3	1	20.71	20.76	20.62	
1.4	QPSK	3	3	20.73	20.75	20.62	
1.4	QPSK	6	0	20.78	20.75	20.64	21.4
1.4	16QAM	1	0	21.01	21.08	20.91	21.4
1.4	16QAM	1	3	20.95	20.95	20.71	
1.4	16QAM	1	5	21.02	21.02	20.80	
1.4	16QAM	3	0	20.77	20.84	20.73	
1.4	16QAM	3	1	20.80	20.88	20.69	
1.4	16QAM	3	3	20.78	20.78	20.66	
1.4	16QAM	6	0	20.83	20.79	20.67	21.4
1.4	64QAM	1	0	20.92	20.96	20.79	21.4
1.4	64QAM	1	3	20.95	20.83	20.71	
1.4	64QAM	1	5	21.01	20.96	20.76	
1.4	64QAM	3	0	20.90	20.81	20.70	
1.4	64QAM	3	1	20.86	20.82	20.63	
1.4	64QAM	3	3	20.90	20.87	20.67	
1.4	64QAM	6	0	20.64	20.58	20.39	21.4
1.4	256QAM	1	0	18.62	18.56	18.49	19.9
1.4	256QAM	1	3	18.52	18.47	18.30	
1.4	256QAM	1	5	18.53	18.56	18.46	
1.4	256QAM	3	0	18.50	18.42	18.37	
1.4	256QAM	3	1	18.55	18.44	18.40	
1.4	256QAM	3	3	18.51	18.49	18.50	
1.4	256QAM	6	0	18.50	18.51	18.41	19.9



<LTE Band 30_Ant 0_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.		Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		19.05		20.8
10	QPSK	1	25		18.93		
10	QPSK	1	49		19.00		
10	QPSK	25	0		19.14		20.8
10	QPSK	25	12		19.10		
10	QPSK	25	25		19.13		
10	QPSK	50	0		19.12		20.8
10	16QAM	1	0		19.50		
10	16QAM	1	25		19.25		
10	16QAM	1	49		19.24		20.8
10	16QAM	25	0		19.12		
10	16QAM	25	12		19.14		
10	16QAM	25	25		19.16		20.8
10	16QAM	50	0		19.08		
10	64QAM	1	0		19.22		
10	64QAM	1	25		19.16		20.8
10	64QAM	1	49		19.19		
10	64QAM	25	0		19.10		
10	64QAM	25	12		19.06		20.8
10	64QAM	25	25		19.05		
10	64QAM	50	0		19.08		
10	256QAM	1	0		18.16		20
10	256QAM	1	25		18.15		
10	256QAM	1	49		18.18		
10	256QAM	25	0		18.03		20
10	256QAM	25	12		18.03		
10	256QAM	25	25		18.04		
10	256QAM	50	0		18.01		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.02	19.05	19.08	20.8
5	QPSK	1	12	19.10	19.15	19.12	
5	QPSK	1	24	19.14	19.17	19.12	
5	QPSK	12	0	19.13	19.17	19.22	20.8
5	QPSK	12	7	19.18	19.15	19.16	
5	QPSK	12	13	19.16	19.16	19.16	
5	QPSK	25	0	19.15	19.16	19.17	20.8
5	16QAM	1	0	19.44	19.49	19.36	
5	16QAM	1	12	19.40	19.40	19.35	
5	16QAM	1	24	19.49	19.33	19.47	20.8
5	16QAM	12	0	19.14	19.18	19.20	
5	16QAM	12	7	19.19	19.20	19.18	
5	16QAM	12	13	19.21	19.20	19.18	20.8
5	16QAM	25	0	19.20	19.23	19.18	
5	64QAM	1	0	19.27	19.35	19.42	
5	64QAM	1	12	19.30	19.40	19.46	20.8
5	64QAM	1	24	19.36	19.37	19.34	
5	64QAM	12	0	19.14	19.18	19.20	
5	64QAM	12	7	19.18	19.21	19.19	20.8
5	64QAM	12	13	19.17	19.15	19.17	
5	64QAM	25	0	19.17	19.15	19.20	
5	256QAM	1	0	18.17	18.14	18.02	20
5	256QAM	1	12	18.00	18.11	18.05	
5	256QAM	1	24	18.04	18.15	18.02	
5	256QAM	12	0	18.03	18.02	18.09	20
5	256QAM	12	7	18.03	18.03	18.07	
5	256QAM	12	13	18.09	18.04	18.01	
5	256QAM	25	0	18.03	18.02	18.03	



<LTE Band 30_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.		Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			17.4
Frequency (MHz)				2310			
10	QPSK	1	0		16.36		17.4
10	QPSK	1	25		16.39		
10	QPSK	1	49		16.42		
10	QPSK	25	0		16.42		17.4
10	QPSK	25	12		16.42		
10	QPSK	25	25		16.43		
10	QPSK	50	0		16.43		17.4
10	16QAM	1	0		16.63		
10	16QAM	1	25		16.62		
10	16QAM	1	49		16.63		17.4
10	16QAM	25	0		16.44		
10	16QAM	25	12		16.45		
10	16QAM	25	25		16.46		17.4
10	16QAM	50	0		16.42		
10	64QAM	1	0		16.53		
10	64QAM	1	25		16.66		17.4
10	64QAM	1	49		16.63		
10	64QAM	25	0		16.39		
10	64QAM	25	12		16.42		17.4
10	64QAM	25	25		16.46		
10	64QAM	50	0		16.43		
10	256QAM	1	0		16.62		17.4
10	256QAM	1	25		16.39		
10	256QAM	1	49		16.35		
10	256QAM	25	0		16.45		17.4
10	256QAM	25	12		16.34		
10	256QAM	25	25		16.45		
10	256QAM	50	0		16.61		
Channel				27685	27710	27735	17.4
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	16.35	16.26	16.33	17.4
5	QPSK	1	12	16.38	16.39	16.34	
5	QPSK	1	24	16.39	16.35	16.38	
5	QPSK	12	0	16.40	16.36	16.35	17.4
5	QPSK	12	7	16.37	16.41	16.39	
5	QPSK	12	13	16.37	16.37	16.40	
5	QPSK	25	0	16.38	16.43	16.35	17.4
5	16QAM	1	0	16.54	16.56	16.54	
5	16QAM	1	12	16.57	16.57	16.56	
5	16QAM	1	24	16.57	16.55	16.54	17.4
5	16QAM	12	0	16.41	16.44	16.43	
5	16QAM	12	7	16.38	16.41	16.43	
5	16QAM	12	13	16.42	16.46	16.46	17.4
5	16QAM	25	0	16.35	16.41	16.36	
5	64QAM	1	0	16.46	16.45	16.50	
5	64QAM	1	12	16.63	16.60	16.56	17.4
5	64QAM	1	24	16.58	16.62	16.58	
5	64QAM	12	0	16.35	16.35	16.34	
5	64QAM	12	7	16.38	16.38	16.38	17.4
5	64QAM	12	13	16.40	16.37	16.43	
5	64QAM	25	0	16.35	16.38	16.34	
5	256QAM	1	0	16.54	16.52	16.60	17.4
5	256QAM	1	12	16.39	16.37	16.37	
5	256QAM	1	24	16.32	16.25	16.35	
5	256QAM	12	0	16.43	16.39	16.37	17.4
5	256QAM	12	7	16.34	16.31	16.34	
5	256QAM	12	13	16.36	16.37	16.37	
5	256QAM	25	0	16.55	16.54	16.60	



<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		19.05		20.2
10	QPSK	1	25		18.93		
10	QPSK	1	49		19.00		
10	QPSK	25	0		19.14		20.2
10	QPSK	25	12		19.10		
10	QPSK	25	25		19.13		
10	QPSK	50	0		19.12		20.2
10	16QAM	1	0		19.50		
10	16QAM	1	25		19.25		
10	16QAM	1	49		19.24		20.2
10	16QAM	25	0		19.12		
10	16QAM	25	12		19.14		
10	16QAM	25	25		19.16		20.2
10	16QAM	50	0		19.08		
10	64QAM	1	0		19.22		
10	64QAM	1	25		19.16		20.2
10	64QAM	1	49		19.19		
10	64QAM	25	0		19.10		
10	64QAM	25	12		19.06		20.2
10	64QAM	25	25		19.05		
10	64QAM	50	0		19.08		
10	256QAM	1	0		18.16		20
10	256QAM	1	25		18.15		
10	256QAM	1	49		18.18		
10	256QAM	25	0		18.03		20
10	256QAM	25	12		18.03		
10	256QAM	25	25		18.04		
10	256QAM	50	0		18.01		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.02	19.05	19.08	20.2
5	QPSK	1	12	19.10	19.15	19.12	
5	QPSK	1	24	19.14	19.17	19.12	
5	QPSK	12	0	19.13	19.17	19.22	20.2
5	QPSK	12	7	19.18	19.15	19.16	
5	QPSK	12	13	19.16	19.16	19.16	
5	QPSK	25	0	19.15	19.16	19.17	20.2
5	16QAM	1	0	19.44	19.49	19.36	
5	16QAM	1	12	19.40	19.40	19.35	
5	16QAM	1	24	19.49	19.33	19.47	20.2
5	16QAM	12	0	19.14	19.18	19.20	
5	16QAM	12	7	19.19	19.20	19.18	
5	16QAM	12	13	19.21	19.20	19.18	20.2
5	16QAM	25	0	19.20	19.23	19.18	
5	64QAM	1	0	19.27	19.35	19.42	
5	64QAM	1	12	19.30	19.40	19.46	20.2
5	64QAM	1	24	19.36	19.37	19.34	
5	64QAM	12	0	19.14	19.18	19.20	
5	64QAM	12	7	19.18	19.21	19.19	20.2
5	64QAM	12	13	19.17	19.15	19.17	
5	64QAM	25	0	19.17	19.15	19.20	
5	256QAM	1	0	18.17	18.14	18.02	20
5	256QAM	1	12	18.00	18.11	18.05	
5	256QAM	1	24	18.04	18.15	18.02	
5	256QAM	12	0	18.03	18.02	18.09	20
5	256QAM	12	7	18.03	18.03	18.07	
5	256QAM	12	13	18.09	18.04	18.01	
5	256QAM	25	0	18.03	18.02	18.03	



<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			19.5
Frequency (MHz)				2310			
10	QPSK	1	0		19.05		19.5
10	QPSK	1	25		18.93		
10	QPSK	1	49		19.00		
10	QPSK	25	0		19.14		19.5
10	QPSK	25	12		19.10		
10	QPSK	25	25		19.13		
10	QPSK	50	0		19.12		19.5
10	16QAM	1	0		19.50		
10	16QAM	1	25		19.25		
10	16QAM	1	49		19.24		19.5
10	16QAM	25	0		19.12		
10	16QAM	25	12		19.14		
10	16QAM	25	25		19.16		19.5
10	16QAM	50	0		19.08		
10	64QAM	1	0		19.22		
10	64QAM	1	25		19.16		19.5
10	64QAM	1	49		19.19		
10	64QAM	25	0		19.10		
10	64QAM	25	12		19.06		19.5
10	64QAM	25	25		19.05		
10	64QAM	50	0		19.08		
10	256QAM	1	0		18.16		19.5
10	256QAM	1	25		18.15		
10	256QAM	1	49		18.18		
10	256QAM	25	0		18.03		19.5
10	256QAM	25	12		18.03		
10	256QAM	25	25		18.04		
10	256QAM	50	0		18.01		
Channel				27685	27710	27735	19.5
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.02	19.05	19.08	19.5
5	QPSK	1	12	19.10	19.15	19.12	
5	QPSK	1	24	19.14	19.17	19.12	
5	QPSK	12	0	19.13	19.17	19.22	19.5
5	QPSK	12	7	19.18	19.15	19.16	
5	QPSK	12	13	19.16	19.16	19.16	
5	QPSK	25	0	19.15	19.16	19.17	19.5
5	16QAM	1	0	19.44	19.49	19.36	
5	16QAM	1	12	19.40	19.40	19.35	
5	16QAM	1	24	19.49	19.33	19.47	19.5
5	16QAM	12	0	19.14	19.18	19.20	
5	16QAM	12	7	19.19	19.20	19.18	
5	16QAM	12	13	19.21	19.20	19.18	19.5
5	16QAM	25	0	19.20	19.23	19.18	
5	64QAM	1	0	19.27	19.35	19.42	
5	64QAM	1	12	19.30	19.40	19.46	19.5
5	64QAM	1	24	19.36	19.37	19.34	
5	64QAM	12	0	19.14	19.18	19.20	
5	64QAM	12	7	19.18	19.21	19.19	19.5
5	64QAM	12	13	19.17	19.15	19.17	
5	64QAM	25	0	19.17	19.15	19.20	
5	256QAM	1	0	18.17	18.14	18.02	19.5
5	256QAM	1	12	18.00	18.11	18.05	
5	256QAM	1	24	18.04	18.15	18.02	
5	256QAM	12	0	18.03	18.02	18.09	19.5
5	256QAM	12	7	18.03	18.03	18.07	
5	256QAM	12	13	18.09	18.04	18.01	
5	256QAM	25	0	18.03	18.02	18.03	



<LTE Band 30_Ant 2_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				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		21.45		22.5
10	QPSK	1	25		21.41		
10	QPSK	1	49		21.45		
10	QPSK	25	0		21.48		22.5
10	QPSK	25	12		21.48		
10	QPSK	25	25		21.44		
10	QPSK	50	0		21.44		22.5
10	16QAM	1	0		21.78		
10	16QAM	1	25		21.76		
10	16QAM	1	49		21.75		22.5
10	16QAM	25	0		21.46		
10	16QAM	25	12		21.44		
10	16QAM	25	25		21.40		22.5
10	16QAM	50	0		21.43		
10	64QAM	1	0		21.62		
10	64QAM	1	25		21.49		22.5
10	64QAM	1	49		21.53		
10	64QAM	25	0		21.41		
10	64QAM	25	12		21.41		22.4
10	64QAM	25	25		21.38		
10	64QAM	50	0		21.36		
10	256QAM	1	0		19.72		20.4
10	256QAM	1	25		19.71		
10	256QAM	1	49		19.66		
10	256QAM	25	0		19.52		20.4
10	256QAM	25	12		19.52		
10	256QAM	25	25		19.48		
10	256QAM	50	0		19.58		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	21.52	21.51	21.46	22.5
5	QPSK	1	12	21.56	21.54	21.44	
5	QPSK	1	24	21.57	21.55	21.45	
5	QPSK	12	0	21.53	21.54	21.50	22.5
5	QPSK	12	7	21.53	21.54	21.49	
5	QPSK	12	13	21.53	21.55	21.49	
5	QPSK	25	0	21.52	21.56	21.53	22.5
5	16QAM	1	0	21.71	21.77	21.64	
5	16QAM	1	12	21.69	21.69	21.71	
5	16QAM	1	24	21.49	21.69	21.42	22.5
5	16QAM	12	0	21.32	21.53	21.30	
5	16QAM	12	7	21.41	21.53	21.32	
5	16QAM	12	13	21.54	21.53	21.46	22.5
5	16QAM	25	0	21.55	21.55	21.52	
5	64QAM	1	0	21.69	21.70	21.59	
5	64QAM	1	12	21.71	21.75	21.54	22.5
5	64QAM	1	24	21.58	21.67	21.36	
5	64QAM	12	0	21.40	21.44	21.20	
5	64QAM	12	7	21.40	21.44	21.30	22.4
5	64QAM	12	13	21.39	21.40	21.28	
5	64QAM	25	0	21.38	21.41	21.32	
5	256QAM	1	0	19.62	19.71	19.64	20.4
5	256QAM	1	12	19.62	19.70	19.62	
5	256QAM	1	24	19.61	19.58	19.64	
5	256QAM	12	0	19.45	19.45	19.50	20.4
5	256QAM	12	7	19.45	19.47	19.43	
5	256QAM	12	13	19.48	19.45	19.40	
5	256QAM	25	0	19.51	19.49	19.55	



<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			
Frequency (MHz)				2310			
10	QPSK	1	0		18.85		19.9
10	QPSK	1	25		18.83		
10	QPSK	1	49		18.82		
10	QPSK	25	0		18.92		19.9
10	QPSK	25	12		18.90		
10	QPSK	25	25		18.91		
10	QPSK	50	0		18.93		19.9
10	16QAM	1	0		18.94		
10	16QAM	1	25		19.03		
10	16QAM	1	49		19.14		19.9
10	16QAM	25	0		18.93		
10	16QAM	25	12		18.91		
10	16QAM	25	25		18.91		19.9
10	16QAM	50	0		18.90		
10	64QAM	1	0		19.07		
10	64QAM	1	25		18.89		19.9
10	64QAM	1	49		18.97		
10	64QAM	25	0		18.86		
10	64QAM	25	12		18.88		19.9
10	64QAM	25	25		18.88		
10	64QAM	50	0		18.92		
10	256QAM	1	0		18.91		19.9
10	256QAM	1	25		18.81		
10	256QAM	1	49		18.76		
10	256QAM	25	0		18.64		19.9
10	256QAM	25	12		18.66		
10	256QAM	25	25		18.68		
10	256QAM	50	0		18.70		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	18.76	18.82	18.76	19.9
5	QPSK	1	12	18.77	18.76	18.77	
5	QPSK	1	24	18.81	18.76	18.81	
5	QPSK	12	0	18.89	18.82	18.89	19.9
5	QPSK	12	7	18.82	18.84	18.82	
5	QPSK	12	13	18.81	18.89	18.84	
5	QPSK	25	0	18.90	18.93	18.91	19.9
5	16QAM	1	0	18.86	18.86	18.85	
5	16QAM	1	12	18.96	18.95	18.99	
5	16QAM	1	24	19.09	19.09	19.10	19.9
5	16QAM	12	0	18.89	18.87	18.88	
5	16QAM	12	7	18.90	18.84	18.89	
5	16QAM	12	13	18.88	18.91	18.83	19.9
5	16QAM	25	0	18.83	18.85	18.80	
5	64QAM	1	0	19.00	19.02	19.04	
5	64QAM	1	12	18.88	18.81	18.82	19.9
5	64QAM	1	24	18.89	18.93	18.89	
5	64QAM	12	0	18.86	18.85	18.79	
5	64QAM	12	7	18.87	18.85	18.80	19.9
5	64QAM	12	13	18.85	18.87	18.84	
5	64QAM	25	0	18.86	18.86	18.90	
5	256QAM	1	0	18.90	18.81	18.89	19.9
5	256QAM	1	12	18.81	18.75	18.72	
5	256QAM	1	24	18.66	18.69	18.68	
5	256QAM	12	0	18.56	18.59	18.61	19.9
5	256QAM	12	7	18.61	18.66	18.66	
5	256QAM	12	13	18.61	18.66	18.62	
5	256QAM	25	0	18.70	18.67	18.69	



<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		18.85		20.6
10	QPSK	1	25		18.83		
10	QPSK	1	49		18.82		
10	QPSK	25	0		18.92		20.6
10	QPSK	25	12		18.90		
10	QPSK	25	25		18.91		
10	QPSK	50	0		18.93		20.6
10	16QAM	1	0		18.94		
10	16QAM	1	25		19.03		
10	16QAM	1	49		19.14		20.6
10	16QAM	25	0		18.93		
10	16QAM	25	12		18.91		
10	16QAM	25	25		18.91		20.6
10	16QAM	50	0		18.90		
10	64QAM	1	0		19.07		
10	64QAM	1	25		18.89		20.6
10	64QAM	1	49		18.97		
10	64QAM	25	0		18.86		
10	64QAM	25	12		18.88		20.6
10	64QAM	25	25		18.88		
10	64QAM	50	0		18.92		
10	256QAM	1	0		18.91		20.4
10	256QAM	1	25		18.81		
10	256QAM	1	49		18.76		
10	256QAM	25	0		18.64		20.4
10	256QAM	25	12		18.66		
10	256QAM	25	25		18.68		
10	256QAM	50	0		18.70		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	18.76	18.82	18.76	20.6
5	QPSK	1	12	18.77	18.76	18.77	
5	QPSK	1	24	18.81	18.76	18.81	
5	QPSK	12	0	18.89	18.82	18.89	20.6
5	QPSK	12	7	18.82	18.84	18.82	
5	QPSK	12	13	18.81	18.89	18.84	
5	QPSK	25	0	18.90	18.93	18.91	20.6
5	16QAM	1	0	18.86	18.86	18.85	
5	16QAM	1	12	18.96	18.95	18.99	
5	16QAM	1	24	19.09	19.09	19.10	20.6
5	16QAM	12	0	18.89	18.87	18.88	
5	16QAM	12	7	18.90	18.84	18.89	
5	16QAM	12	13	18.88	18.91	18.83	20.6
5	16QAM	25	0	18.83	18.85	18.80	
5	64QAM	1	0	19.00	19.02	19.04	
5	64QAM	1	12	18.88	18.81	18.82	20.6
5	64QAM	1	24	18.89	18.93	18.89	
5	64QAM	12	0	18.86	18.85	18.79	
5	64QAM	12	7	18.87	18.85	18.80	20.6
5	64QAM	12	13	18.85	18.87	18.84	
5	64QAM	25	0	18.86	18.86	18.90	
5	256QAM	1	0	18.90	18.81	18.89	20.4
5	256QAM	1	12	18.81	18.75	18.72	
5	256QAM	1	24	18.66	18.69	18.68	
5	256QAM	12	0	18.56	18.59	18.61	20.4
5	256QAM	12	7	18.61	18.66	18.66	
5	256QAM	12	13	18.61	18.66	18.62	
5	256QAM	25	0	18.70	18.67	18.69	



<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			19.9
Frequency (MHz)				2310			
10	QPSK	1	0		18.85		19.9
10	QPSK	1	25		18.83		
10	QPSK	1	49		18.82		
10	QPSK	25	0		18.92		19.9
10	QPSK	25	12		18.90		
10	QPSK	25	25		18.91		
10	QPSK	50	0		18.93		19.9
10	16QAM	1	0		18.94		
10	16QAM	1	25		19.03		
10	16QAM	1	49		19.14		19.9
10	16QAM	25	0		18.93		
10	16QAM	25	12		18.91		
10	16QAM	25	25		18.91		19.9
10	16QAM	50	0		18.90		
10	64QAM	1	0		19.07		
10	64QAM	1	25		18.89		19.9
10	64QAM	1	49		18.97		
10	64QAM	25	0		18.86		
10	64QAM	25	12		18.88		19.9
10	64QAM	25	25		18.88		
10	64QAM	50	0		18.92		
10	256QAM	1	0		18.91		19.9
10	256QAM	1	25		18.81		
10	256QAM	1	49		18.76		
10	256QAM	25	0		18.64		19.9
10	256QAM	25	12		18.66		
10	256QAM	25	25		18.68		
10	256QAM	50	0		18.70		
Channel				27685	27710	27735	19.9
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	18.76	18.82	18.76	19.9
5	QPSK	1	12	18.77	18.76	18.77	
5	QPSK	1	24	18.81	18.76	18.81	
5	QPSK	12	0	18.89	18.82	18.89	19.9
5	QPSK	12	7	18.82	18.84	18.82	
5	QPSK	12	13	18.81	18.89	18.84	
5	QPSK	25	0	18.90	18.93	18.91	19.9
5	16QAM	1	0	18.86	18.86	18.85	
5	16QAM	1	12	18.96	18.95	18.99	
5	16QAM	1	24	19.09	19.09	19.10	19.9
5	16QAM	12	0	18.89	18.87	18.88	
5	16QAM	12	7	18.90	18.84	18.89	
5	16QAM	12	13	18.88	18.91	18.83	19.9
5	16QAM	25	0	18.83	18.85	18.80	
5	64QAM	1	0	19.00	19.02	19.04	
5	64QAM	1	12	18.88	18.81	18.82	19.9
5	64QAM	1	24	18.89	18.93	18.89	
5	64QAM	12	0	18.86	18.85	18.79	
5	64QAM	12	7	18.87	18.85	18.80	19.9
5	64QAM	12	13	18.85	18.87	18.84	
5	64QAM	25	0	18.86	18.86	18.90	
5	256QAM	1	0	18.90	18.81	18.89	19.9
5	256QAM	1	12	18.81	18.75	18.72	
5	256QAM	1	24	18.66	18.69	18.68	
5	256QAM	12	0	18.56	18.59	18.61	19.9
5	256QAM	12	7	18.61	18.66	18.66	
5	256QAM	12	13	18.61	18.66	18.62	
5	256QAM	25	0	18.70	18.67	18.69	



<LTE Band 66_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.22	24.42	24.41	25.3
20	QPSK	1	49	24.21	24.31	24.11	
20	QPSK	1	99	24.20	23.97	23.76	
20	QPSK	50	0	23.31	23.32	23.31	24.3
20	QPSK	50	24	23.30	23.25	23.16	
20	QPSK	50	50	23.30	23.15	22.98	
20	QPSK	100	0	23.30	23.31	23.16	
20	16QAM	1	0	23.42	23.55	23.63	24.3
20	16QAM	1	49	23.70	23.60	23.44	
20	16QAM	1	99	23.61	23.25	23.02	
20	16QAM	50	0	22.27	22.27	22.27	23.3
20	16QAM	50	24	22.33	22.23	22.15	
20	16QAM	50	50	22.34	22.13	21.97	
20	16QAM	100	0	22.29	22.21	22.12	
20	64QAM	1	0	22.32	22.28	22.64	23.3
20	64QAM	1	49	22.39	22.23	22.19	
20	64QAM	1	99	22.51	22.06	21.94	
20	64QAM	50	0	21.31	21.31	21.32	22.3
20	64QAM	50	24	21.38	21.27	21.18	
20	64QAM	50	50	21.42	21.17	21.02	
20	64QAM	100	0	21.32	21.23	21.14	
20	256QAM	1	0	19.18	19.23	19.21	20.3
20	256QAM	1	49	19.29	19.35	19.33	
20	256QAM	1	99	19.07	19.14	19.06	
20	256QAM	50	0	19.13	19.16	19.06	20.3
20	256QAM	50	24	19.06	19.16	19.10	
20	256QAM	50	50	19.10	19.12	19.09	
20	256QAM	100	0	19.11	19.17	19.17	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.91	24.06	24.23	25.3
15	QPSK	1	37	24.34	24.26	24.09	
15	QPSK	1	74	24.33	24.02	23.80	
15	QPSK	36	0	23.17	23.18	23.22	24.3
15	QPSK	36	20	23.37	23.23	23.08	
15	QPSK	36	39	23.38	23.17	22.98	
15	QPSK	75	0	23.34	23.17	23.16	
15	16QAM	1	0	23.42	23.65	23.58	24.3
15	16QAM	1	37	23.53	23.39	23.36	
15	16QAM	1	74	23.61	23.17	23.09	
15	16QAM	36	0	22.25	22.22	22.21	23.3
15	16QAM	36	20	22.31	22.20	22.16	
15	16QAM	36	39	22.39	22.15	22.03	
15	16QAM	75	0	22.34	22.25	22.12	
15	64QAM	1	0	22.37	22.32	22.50	23.3
15	64QAM	1	37	22.51	22.42	22.03	
15	64QAM	1	74	22.45	22.16	21.93	
15	64QAM	36	0	21.31	21.28	21.25	22.3
15	64QAM	36	20	21.35	21.22	21.14	
15	64QAM	36	39	21.42	21.15	21.05	
15	64QAM	75	0	21.31	21.25	21.13	
15	256QAM	1	0	19.16	19.21	19.12	20.3
15	256QAM	1	37	19.27	19.32	19.27	
15	256QAM	1	74	18.98	19.11	19.01	
15	256QAM	36	0	19.09	19.13	19.04	20.3
15	256QAM	36	20	19.02	19.09	19.02	



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15	256QAM	36	39	19.10	19.11	19.09	
15	256QAM	75	0	19.04	19.15	19.17	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.98	24.17	24.33	25.3
10	QPSK	1	25	24.15	24.12	23.96	
10	QPSK	1	49	24.32	24.12	23.98	
10	QPSK	25	0	23.22	23.25	23.24	24.3
10	QPSK	25	12	23.43	23.30	23.18	
10	QPSK	25	25	23.40	23.24	23.10	
10	QPSK	50	0	23.38	23.18	23.20	24.3
10	16QAM	1	0	23.41	23.61	23.45	
10	16QAM	1	25	23.40	23.33	23.13	
10	16QAM	1	49	23.58	23.30	23.17	23.3
10	16QAM	25	0	22.36	22.31	22.24	
10	16QAM	25	12	22.40	22.33	22.21	
10	16QAM	25	25	22.43	22.27	22.13	23.3
10	16QAM	50	0	22.36	22.23	22.14	
10	64QAM	1	0	22.39	22.31	22.41	
10	64QAM	1	25	22.33	22.33	21.97	23.3
10	64QAM	1	49	22.58	22.27	22.12	
10	64QAM	25	0	21.36	21.35	21.24	
10	64QAM	25	12	21.38	21.29	21.19	22.3
10	64QAM	25	25	21.42	21.26	21.12	
10	64QAM	50	0	21.44	21.27	21.19	
10	256QAM	1	0	19.15	19.16	19.16	20.3
10	256QAM	1	25	19.27	19.31	19.30	
10	256QAM	1	49	19.01	19.14	19.04	
10	256QAM	25	0	19.03	19.10	19.03	20.3
10	256QAM	25	12	19.04	19.06	19.09	
10	256QAM	25	25	19.04	19.02	19.06	
10	256QAM	50	0	19.04	19.14	19.11	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.13	24.16	24.29	25.3
5	QPSK	1	12	24.38	24.36	24.26	
5	QPSK	1	24	24.41	24.29	24.18	
5	QPSK	12	0	23.26	23.26	23.24	24.3
5	QPSK	12	7	23.45	23.35	23.21	
5	QPSK	12	13	23.43	23.35	23.17	
5	QPSK	25	0	23.43	23.24	23.28	24.3
5	16QAM	1	0	23.59	23.73	23.57	
5	16QAM	1	12	23.56	23.43	23.46	
5	16QAM	1	24	23.73	23.39	23.45	23.3
5	16QAM	12	0	22.41	22.31	22.22	
5	16QAM	12	7	22.42	22.28	22.22	
5	16QAM	12	13	22.45	22.29	22.20	23.3
5	16QAM	25	0	22.47	22.34	22.24	
5	64QAM	1	0	22.45	22.29	22.41	
5	64QAM	1	12	22.37	22.29	22.09	23.3
5	64QAM	1	24	22.57	22.23	22.18	
5	64QAM	12	0	21.46	21.29	21.26	
5	64QAM	12	7	21.47	21.27	21.25	22.3
5	64QAM	12	13	21.50	21.26	21.24	
5	64QAM	25	0	21.43	21.35	21.26	
5	256QAM	1	0	19.15	19.19	19.13	20.3
5	256QAM	1	12	19.19	19.33	19.23	
5	256QAM	1	24	18.97	19.06	19.06	
5	256QAM	12	0	19.06	19.16	18.96	20.3
5	256QAM	12	7	19.01	19.07	19.07	
5	256QAM	12	13	19.01	19.04	19.09	
5	256QAM	25	0	19.06	19.08	19.12	
Channel				131987	132322	132657	Tune-up limit



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Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	24.16	24.18	24.28	25.3
3	QPSK	1	8	24.25	24.18	24.06	
3	QPSK	1	14	24.41	24.25	24.15	
3	QPSK	8	0	23.23	23.19	23.19	24.3
3	QPSK	8	4	23.44	23.30	23.18	
3	QPSK	8	7	23.43	23.34	23.21	
3	QPSK	15	0	23.39	23.24	23.23	
3	16QAM	1	0	23.61	23.65	23.47	24.3
3	16QAM	1	8	23.49	23.36	23.31	
3	16QAM	1	14	23.67	23.39	23.44	
3	16QAM	8	0	22.36	22.24	22.15	23.3
3	16QAM	8	4	22.40	22.29	22.18	
3	16QAM	8	7	22.38	22.23	22.12	
3	16QAM	15	0	22.41	22.26	22.17	
3	64QAM	1	0	22.53	22.34	22.35	23.3
3	64QAM	1	8	22.40	22.27	22.02	
3	64QAM	1	14	22.60	22.22	22.27	
3	64QAM	8	0	21.37	21.27	21.21	22.3
3	64QAM	8	4	21.42	21.21	21.19	
3	64QAM	8	7	21.48	21.24	21.24	
3	64QAM	15	0	21.46	21.25	21.20	
3	256QAM	1	0	19.09	19.17	19.11	20.3
3	256QAM	1	8	19.25	19.31	19.26	
3	256QAM	1	14	19.02	19.14	19.00	
3	256QAM	8	0	19.07	19.06	18.96	20.3
3	256QAM	8	4	18.97	19.11	19.10	
3	256QAM	8	7	19.05	19.06	19.01	
3	256QAM	15	0	19.09	19.16	19.13	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.31	24.24	24.12	25.3
1.4	QPSK	1	3	24.18	24.08	23.91	
1.4	QPSK	1	5	24.33	24.23	24.09	
1.4	QPSK	3	0	24.25	24.18	24.06	
1.4	QPSK	3	1	24.24	24.22	23.97	
1.4	QPSK	3	3	24.28	24.19	24.03	
1.4	QPSK	6	0	23.30	23.20	23.07	24.3
1.4	16QAM	1	0	23.58	23.50	23.39	24.3
1.4	16QAM	1	3	23.47	23.33	23.21	
1.4	16QAM	1	5	23.59	23.48	23.33	
1.4	16QAM	3	0	23.41	23.34	23.17	
1.4	16QAM	3	1	23.39	23.31	23.09	
1.4	16QAM	3	3	23.30	23.20	23.04	
1.4	16QAM	6	0	22.30	22.18	22.05	23.3
1.4	64QAM	1	0	22.45	22.36	22.18	23.3
1.4	64QAM	1	3	22.40	22.20	22.13	
1.4	64QAM	1	5	22.47	22.30	22.21	
1.4	64QAM	3	0	22.36	22.28	22.15	
1.4	64QAM	3	1	22.32	22.28	22.09	
1.4	64QAM	3	3	22.35	22.20	22.10	
1.4	64QAM	6	0	21.33	21.19	21.10	22.3
1.4	256QAM	1	0	19.12	19.19	19.21	20.3
1.4	256QAM	1	3	19.21	19.26	19.23	
1.4	256QAM	1	5	19.01	19.07	19.06	
1.4	256QAM	3	0	19.11	19.16	18.99	
1.4	256QAM	3	1	19.02	19.15	19.08	
1.4	256QAM	3	3	19.01	19.12	19.00	
1.4	256QAM	6	0	19.09	19.15	19.16	20.3



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	17.81	17.82	17.78	18.8
20	QPSK	1	49	17.80	17.75	17.74	
20	QPSK	1	99	17.81	17.50	17.38	
20	QPSK	50	0	17.88	17.89	17.88	18.8
20	QPSK	50	24	17.80	17.83	17.74	
20	QPSK	50	50	17.87	17.71	17.56	
20	QPSK	100	0	17.79	17.81	17.73	18.8
20	16QAM	1	0	17.92	17.95	18.00	
20	16QAM	1	49	17.98	17.96	17.96	
20	16QAM	1	99	17.97	17.74	17.60	18.8
20	16QAM	50	0	17.73	17.77	17.92	
20	16QAM	50	24	17.80	17.71	17.76	
20	16QAM	50	50	17.86	17.65	17.54	18.8
20	16QAM	100	0	17.78	17.74	17.73	
20	64QAM	1	0	17.89	17.84	17.79	
20	64QAM	1	49	17.96	17.90	17.91	18.8
20	64QAM	1	99	17.90	17.73	17.54	
20	64QAM	50	0	17.78	17.80	17.90	
20	64QAM	50	24	17.84	17.71	17.75	18.8
20	64QAM	50	50	17.88	17.66	17.59	
20	64QAM	100	0	17.78	17.74	17.73	
20	256QAM	1	0	17.68	17.66	17.67	18.8
20	256QAM	1	49	17.70	17.84	17.78	
20	256QAM	1	99	17.48	17.57	17.52	
20	256QAM	50	0	17.62	17.63	17.56	18.8
20	256QAM	50	24	17.53	17.62	17.50	
20	256QAM	50	50	17.57	17.53	17.59	
20	256QAM	100	0	17.53	17.64	17.66	
Channel				15.52	15.97	15.59	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.68	17.78	17.90	18.8
15	QPSK	1	37	17.73	17.70	17.74	
15	QPSK	1	74	17.80	17.40	17.38	
15	QPSK	36	0	17.69	17.75	17.87	18.8
15	QPSK	36	20	17.78	17.76	17.70	
15	QPSK	36	39	17.79	17.62	17.55	
15	QPSK	75	0	17.70	17.76	17.68	18.8
15	16QAM	1	0	17.82	17.87	17.94	
15	16QAM	1	37	17.89	17.96	17.94	
15	16QAM	1	74	17.89	17.71	17.51	18.8
15	16QAM	36	0	17.70	17.67	17.85	
15	16QAM	36	20	17.80	17.70	17.66	
15	16QAM	36	39	17.82	17.56	17.44	18.8
15	16QAM	75	0	17.74	17.66	17.71	
15	64QAM	1	0	17.81	17.74	17.98	
15	64QAM	1	37	17.91	17.88	17.85	18.8
15	64QAM	1	74	17.87	17.73	17.44	
15	64QAM	36	0	17.73	17.76	17.81	
15	64QAM	36	20	17.83	17.70	17.75	18.8
15	64QAM	36	39	17.86	17.59	17.55	
15	64QAM	75	0	17.74	17.64	17.67	
15	256QAM	1	0	17.60	17.57	17.65	18.8
15	256QAM	1	37	17.70	17.81	17.70	
15	256QAM	1	74	17.44	17.50	17.49	
15	256QAM	36	0	17.58	17.58	17.55	18.8
15	256QAM	36	20	17.52	17.62	17.46	
15	256QAM	36	39	17.48	17.44	17.58	



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15	256QAM	75	0	17.43	17.63	17.61	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	17.63	17.78	17.90	18.8
10	QPSK	1	25	17.80	17.72	17.74	
10	QPSK	1	49	17.75	17.49	17.28	
10	QPSK	25	0	17.67	17.80	17.84	18.8
10	QPSK	25	12	17.70	17.76	17.69	
10	QPSK	25	25	17.77	17.62	17.56	
10	QPSK	50	0	17.71	17.75	17.73	
10	16QAM	1	0	17.90	17.86	17.97	18.8
10	16QAM	1	25	17.96	17.91	17.94	
10	16QAM	1	49	17.96	17.70	17.56	
10	16QAM	25	0	17.69	17.71	17.92	18.8
10	16QAM	25	12	17.74	17.70	17.75	
10	16QAM	25	25	17.78	17.61	17.51	
10	16QAM	50	0	17.72	17.64	17.71	
10	64QAM	1	0	17.80	17.77	17.96	18.8
10	64QAM	1	25	17.94	17.88	17.91	
10	64QAM	1	49	17.83	17.71	17.53	
10	64QAM	25	0	17.72	17.79	17.84	18.8
10	64QAM	25	12	17.75	17.61	17.69	
10	64QAM	25	25	17.78	17.62	17.56	
10	64QAM	50	0	17.68	17.71	17.63	
10	256QAM	1	0	17.59	17.60	17.58	18.8
10	256QAM	1	25	17.68	17.74	17.75	
10	256QAM	1	49	17.48	17.53	17.50	
10	256QAM	25	0	17.62	17.54	17.52	18.8
10	256QAM	25	12	17.51	17.54	17.44	
10	256QAM	25	25	17.50	17.49	17.50	
10	256QAM	50	0	17.51	17.56	17.61	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	17.63	17.77	17.70	18.8
5	QPSK	1	12	17.72	17.68	17.72	
5	QPSK	1	24	17.73	17.44	17.30	
5	QPSK	12	0	17.63	17.77	17.86	18.8
5	QPSK	12	7	17.80	17.80	17.66	
5	QPSK	12	13	17.77	17.69	17.55	
5	QPSK	25	0	17.70	17.71	17.66	
5	16QAM	1	0	17.86	17.90	17.98	18.8
5	16QAM	1	12	17.90	17.89	17.95	
5	16QAM	1	24	17.87	17.72	17.59	
5	16QAM	12	0	17.64	17.71	17.85	18.8
5	16QAM	12	7	17.74	17.67	17.67	
5	16QAM	12	13	17.80	17.64	17.47	
5	16QAM	25	0	17.68	17.65	17.70	
5	64QAM	1	0	17.79	17.80	17.92	18.8
5	64QAM	1	12	17.86	17.81	17.91	
5	64QAM	1	24	17.90	17.65	17.48	
5	64QAM	12	0	17.76	17.77	17.81	18.8
5	64QAM	12	7	17.79	17.70	17.65	
5	64QAM	12	13	17.81	17.56	17.58	
5	64QAM	25	0	17.69	17.66	17.66	
5	256QAM	1	0	17.64	17.62	17.65	18.8
5	256QAM	1	12	17.70	17.76	17.76	
5	256QAM	1	24	17.40	17.47	17.51	
5	256QAM	12	0	17.60	17.53	17.54	18.8
5	256QAM	12	7	17.43	17.52	17.50	
5	256QAM	12	13	17.52	17.52	17.53	
5	256QAM	25	0	17.44	17.55	17.63	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	17.68	17.69	17.70	18.8
3	QPSK	1	8	17.79	17.65	17.72	
3	QPSK	1	14	17.76	17.41	17.28	
3	QPSK	8	0	17.63	17.79	17.88	18.8
3	QPSK	8	4	17.72	17.83	17.70	
3	QPSK	8	7	17.78	17.70	17.56	
3	QPSK	15	0	17.70	17.78	17.65	18.8
3	16QAM	1	0	17.92	17.94	17.97	
3	16QAM	1	8	17.98	17.87	17.92	
3	16QAM	1	14	17.93	17.66	17.50	18.8
3	16QAM	8	0	17.66	17.69	17.85	
3	16QAM	8	4	17.78	17.71	17.68	
3	16QAM	8	7	17.86	17.58	17.47	18.8
3	16QAM	15	0	17.71	17.72	17.72	
3	64QAM	1	0	17.88	17.76	17.92	
3	64QAM	1	8	17.91	17.86	17.85	18.8
3	64QAM	1	14	17.89	17.65	17.48	
3	64QAM	8	0	17.68	17.77	17.84	
3	64QAM	8	4	17.77	17.62	17.70	18.8
3	64QAM	8	7	17.86	17.63	17.58	
3	64QAM	15	0	17.74	17.66	17.73	
3	256QAM	1	0	17.64	17.56	17.61	18.8
3	256QAM	1	8	17.66	17.76	17.69	
3	256QAM	1	14	17.45	17.48	17.45	
3	256QAM	8	0	17.53	17.61	17.46	18.8
3	256QAM	8	4	17.43	17.59	17.45	
3	256QAM	8	7	17.49	17.51	17.52	
3	256QAM	15	0	17.53	17.57	17.56	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	17.63	17.73	17.70	18.8
1.4	QPSK	1	3	17.71	17.69	17.73	
1.4	QPSK	1	5	17.74	17.49	17.34	
1.4	QPSK	3	0	17.64	17.78	17.79	18.8
1.4	QPSK	3	1	17.79	17.83	17.68	
1.4	QPSK	3	3	17.80	17.66	17.56	
1.4	QPSK	6	0	17.77	17.71	17.70	
1.4	16QAM	1	0	17.86	17.89	17.95	18.8
1.4	16QAM	1	3	17.93	17.92	17.96	
1.4	16QAM	1	5	17.93	17.65	17.60	
1.4	16QAM	3	0	17.63	17.71	17.90	18.8
1.4	16QAM	3	1	17.70	17.61	17.67	
1.4	16QAM	3	3	17.76	17.58	17.44	
1.4	16QAM	6	0	17.73	17.74	17.72	
1.4	64QAM	1	0	17.80	17.76	17.70	18.8
1.4	64QAM	1	3	17.93	17.82	17.81	
1.4	64QAM	1	5	17.89	17.63	17.52	
1.4	64QAM	3	0	17.70	17.74	17.87	18.8
1.4	64QAM	3	1	17.80	17.63	17.71	
1.4	64QAM	3	3	17.87	17.64	17.51	
1.4	64QAM	6	0	17.74	17.71	17.69	
1.4	256QAM	1	0	17.68	17.57	17.60	18.8
1.4	256QAM	1	3	17.68	17.76	17.69	
1.4	256QAM	1	5	17.44	17.56	17.46	
1.4	256QAM	3	0	17.60	17.61	17.50	18.8
1.4	256QAM	3	1	17.53	17.55	17.40	
1.4	256QAM	3	3	17.53	17.47	17.56	
1.4	256QAM	6	0	17.44	17.55	17.66	



<LTE Band 66_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.61	19.75	19.74	21.5
20	QPSK	1	49	19.60	19.60	19.64	
20	QPSK	1	99	19.60	19.60	19.65	
20	QPSK	50	0	19.78	19.78	19.83	21.5
20	QPSK	50	24	19.74	19.73	19.66	
20	QPSK	50	50	19.77	19.62	19.62	
20	QPSK	100	0	19.72	19.73	19.66	21.5
20	16QAM	1	0	19.78	19.91	20.24	
20	16QAM	1	49	19.92	19.84	19.98	
20	16QAM	1	99	19.95	19.64	19.63	21.5
20	16QAM	50	0	19.69	19.72	19.81	
20	16QAM	50	24	19.77	19.68	19.65	
20	16QAM	50	50	19.81	19.59	19.50	21.5
20	16QAM	100	0	19.71	19.64	19.67	
20	64QAM	1	0	19.69	19.79	20.07	
20	64QAM	1	49	19.81	19.78	19.90	21.5
20	64QAM	1	99	19.86	19.61	19.62	
20	64QAM	50	0	19.72	19.74	19.84	
20	64QAM	50	24	19.78	19.68	19.67	21.5
20	64QAM	50	50	19.81	19.61	19.51	
20	64QAM	100	0	19.72	19.66	19.68	
20	256QAM	1	0	19.14	19.16	19.12	20
20	256QAM	1	49	19.25	19.32	19.28	
20	256QAM	1	99	18.97	19.13	18.98	
20	256QAM	50	0	19.07	19.12	19.04	20
20	256QAM	50	24	19.03	19.10	19.02	
20	256QAM	50	50	19.03	19.08	19.08	
20	256QAM	100	0	19.02	19.14	19.10	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.57	19.69	19.71	21.5
15	QPSK	1	37	19.55	19.59	19.64	
15	QPSK	1	74	19.60	19.54	19.64	
15	QPSK	36	0	19.75	19.74	19.80	21.5
15	QPSK	36	20	19.69	19.73	19.61	
15	QPSK	36	39	19.74	19.54	19.61	
15	QPSK	75	0	19.62	19.71	19.62	21.5
15	16QAM	1	0	19.71	19.84	20.19	
15	16QAM	1	37	19.84	19.77	19.94	
15	16QAM	1	74	19.92	19.60	19.53	21.5
15	16QAM	36	0	19.64	19.66	19.79	
15	16QAM	36	20	19.76	19.59	19.62	
15	16QAM	36	39	19.75	19.56	19.50	21.5
15	16QAM	75	0	19.64	19.61	19.58	
15	64QAM	1	0	19.69	19.75	19.99	
15	64QAM	1	37	19.81	19.75	19.90	21.5
15	64QAM	1	74	19.83	19.61	19.53	
15	64QAM	36	0	19.67	19.74	19.77	
15	64QAM	36	20	19.72	19.66	19.64	21.5
15	64QAM	36	39	19.80	19.60	19.51	
15	64QAM	75	0	19.64	19.63	19.60	
15	256QAM	1	0	19.06	19.06	19.03	20
15	256QAM	1	37	19.24	19.24	19.25	
15	256QAM	1	74	18.87	19.09	18.98	
15	256QAM	36	0	18.97	19.10	18.95	20
15	256QAM	36	20	18.96	19.10	19.00	
15	256QAM	36	39	18.93	19.03	19.04	



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15	256QAM	75	0	18.97	19.10	19.00	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.55	19.74	19.70	21.5
10	QPSK	1	25	19.56	19.55	19.59	
10	QPSK	1	49	19.56	19.56	19.60	
10	QPSK	25	0	19.73	19.76	19.77	21.5
10	QPSK	25	12	19.69	19.63	19.60	
10	QPSK	25	25	19.70	19.55	19.60	
10	QPSK	50	0	19.71	19.64	19.61	
10	16QAM	1	0	19.74	19.91	20.16	21.5
10	16QAM	1	25	19.91	19.82	19.95	
10	16QAM	1	49	19.85	19.56	19.54	
10	16QAM	25	0	19.61	19.70	19.75	21.5
10	16QAM	25	12	19.74	19.62	19.64	
10	16QAM	25	25	19.79	19.55	19.55	
10	16QAM	50	0	19.66	19.60	19.57	
10	64QAM	1	0	19.61	19.79	20.03	21.5
10	64QAM	1	25	19.78	19.77	19.82	
10	64QAM	1	49	19.76	19.58	19.57	
10	64QAM	25	0	19.72	19.68	19.77	21.5
10	64QAM	25	12	19.74	19.61	19.66	
10	64QAM	25	25	19.81	19.52	19.61	
10	64QAM	50	0	19.69	19.59	19.59	
10	256QAM	1	0	19.06	19.14	19.10	20
10	256QAM	1	25	19.19	19.23	19.19	
10	256QAM	1	49	18.92	19.06	18.95	
10	256QAM	25	0	19.01	19.02	19.04	20
10	256QAM	25	12	19.02	19.02	18.96	
10	256QAM	25	25	18.99	18.99	19.03	
10	256QAM	50	0	18.97	19.14	19.09	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	19.52	19.73	19.71	21.5
5	QPSK	1	12	19.54	19.53	19.64	
5	QPSK	1	24	19.54	19.53	19.64	
5	QPSK	12	0	19.68	19.71	19.79	21.5
5	QPSK	12	7	19.67	19.67	19.57	
5	QPSK	12	13	19.75	19.54	19.55	
5	QPSK	25	0	19.69	19.69	19.56	
5	16QAM	1	0	19.73	19.88	20.14	21.5
5	16QAM	1	12	19.83	19.82	19.92	
5	16QAM	1	24	19.95	19.60	19.55	
5	16QAM	12	0	19.65	19.71	19.73	21.5
5	16QAM	12	7	19.68	19.59	19.57	
5	16QAM	12	13	19.81	19.58	19.55	
5	16QAM	25	0	19.63	19.61	19.62	
5	64QAM	1	0	19.65	19.78	19.99	21.5
5	64QAM	1	12	19.80	19.74	19.88	
5	64QAM	1	24	19.77	19.55	19.52	
5	64QAM	12	0	19.66	19.67	19.84	21.5
5	64QAM	12	7	19.73	19.64	19.64	
5	64QAM	12	13	19.76	19.52	19.60	
5	64QAM	25	0	19.71	19.58	19.63	
5	256QAM	1	0	19.12	19.13	19.12	20
5	256QAM	1	12	19.18	19.25	19.26	
5	256QAM	1	24	18.90	19.11	18.90	
5	256QAM	12	0	18.99	19.08	19.01	20
5	256QAM	12	7	18.96	19.09	18.94	
5	256QAM	12	13	18.93	19.02	19.03	
5	256QAM	25	0	18.94	19.14	19.09	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	19.61	19.73	19.67	21.5
3	QPSK	1	8	19.51	19.55	19.55	
3	QPSK	1	14	19.57	19.50	19.56	
3	QPSK	8	0	19.74	19.69	19.76	21.5
3	QPSK	8	4	19.74	19.67	19.66	
3	QPSK	8	7	19.68	19.56	19.60	
3	QPSK	15	0	19.67	19.73	19.66	21.5
3	16QAM	1	0	19.74	19.84	20.20	
3	16QAM	1	8	19.83	19.83	19.90	
3	16QAM	1	14	19.86	19.54	19.57	21.5
3	16QAM	8	0	19.60	19.70	19.73	
3	16QAM	8	4	19.72	19.58	19.62	
3	16QAM	8	7	19.73	19.51	19.56	21.5
3	16QAM	15	0	19.71	19.54	19.61	
3	64QAM	1	0	19.59	19.78	19.97	
3	64QAM	1	8	19.78	19.72	19.82	21.5
3	64QAM	1	14	19.78	19.60	19.53	
3	64QAM	8	0	19.69	19.70	19.83	
3	64QAM	8	4	19.69	19.68	19.60	21.5
3	64QAM	8	7	19.78	19.58	19.60	
3	64QAM	15	0	19.65	19.64	19.62	
3	256QAM	1	0	19.09	19.07	19.06	20
3	256QAM	1	8	19.22	19.28	19.28	
3	256QAM	1	14	18.87	19.05	18.90	
3	256QAM	8	0	19.07	19.12	19.01	20
3	256QAM	8	4	19.00	19.00	18.98	
3	256QAM	8	7	18.95	19.05	19.05	
3	256QAM	15	0	18.97	19.07	19.09	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.52	19.73	19.68	21.5
1.4	QPSK	1	3	19.50	19.55	19.55	
1.4	QPSK	1	5	19.58	19.60	19.58	
1.4	QPSK	3	0	19.69	19.73	19.75	
1.4	QPSK	3	1	19.68	19.70	19.60	
1.4	QPSK	3	3	19.75	19.61	19.61	21.5
1.4	QPSK	6	0	19.71	19.71	19.63	
1.4	16QAM	1	0	19.70	19.83	20.14	21.5
1.4	16QAM	1	3	19.85	19.78	19.93	
1.4	16QAM	1	5	19.90	19.55	19.59	
1.4	16QAM	3	0	19.61	19.68	19.72	
1.4	16QAM	3	1	19.71	19.66	19.58	
1.4	16QAM	3	3	19.73	19.55	19.57	21.5
1.4	16QAM	6	0	19.64	19.57	19.64	
1.4	64QAM	1	0	19.64	19.75	19.98	21.5
1.4	64QAM	1	3	19.71	19.78	19.88	
1.4	64QAM	1	5	19.83	19.53	19.55	
1.4	64QAM	3	0	19.72	19.68	19.80	
1.4	64QAM	3	1	19.75	19.59	19.61	
1.4	64QAM	3	3	19.79	19.53	19.61	21.5
1.4	64QAM	6	0	19.67	19.64	19.66	
1.4	256QAM	1	0	19.11	19.08	19.12	20
1.4	256QAM	1	3	19.21	19.24	19.26	
1.4	256QAM	1	5	18.91	19.12	18.89	
1.4	256QAM	3	0	19.04	19.04	18.98	
1.4	256QAM	3	1	18.98	19.03	19.00	
1.4	256QAM	3	3	19.03	19.00	19.01	20
1.4	256QAM	6	0	18.92	19.08	19.08	



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.61	19.75	19.74	20.8
20	QPSK	1	49	19.60	19.60	19.64	
20	QPSK	1	99	19.60	19.60	19.65	
20	QPSK	50	0	19.78	19.78	19.83	20.8
20	QPSK	50	24	19.74	19.73	19.66	
20	QPSK	50	50	19.77	19.62	19.62	
20	QPSK	100	0	19.72	19.73	19.66	20.8
20	16QAM	1	0	19.78	19.91	20.24	
20	16QAM	1	49	19.92	19.84	19.98	
20	16QAM	1	99	19.95	19.64	19.63	20.8
20	16QAM	50	0	19.69	19.72	19.81	
20	16QAM	50	24	19.77	19.68	19.65	
20	16QAM	50	50	19.81	19.59	19.50	20.8
20	16QAM	100	0	19.71	19.64	19.67	
20	64QAM	1	0	19.69	19.79	20.07	
20	64QAM	1	49	19.81	19.78	19.90	20.8
20	64QAM	1	99	19.86	19.61	19.62	
20	64QAM	50	0	19.72	19.74	19.84	
20	64QAM	50	24	19.78	19.68	19.67	20.8
20	64QAM	50	50	19.81	19.61	19.51	
20	64QAM	100	0	19.72	19.66	19.68	
20	256QAM	1	0	19.14	19.16	19.12	20.3
20	256QAM	1	49	19.25	19.32	19.28	
20	256QAM	1	99	18.97	19.13	18.98	
20	256QAM	50	0	19.07	19.12	19.04	20.3
20	256QAM	50	24	19.03	19.10	19.02	
20	256QAM	50	50	19.03	19.08	19.08	
20	256QAM	100	0	19.02	19.14	19.10	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.57	19.69	19.71	20.8
15	QPSK	1	37	19.55	19.59	19.64	
15	QPSK	1	74	19.60	19.54	19.64	
15	QPSK	36	0	19.75	19.74	19.80	20.8
15	QPSK	36	20	19.69	19.73	19.61	
15	QPSK	36	39	19.74	19.54	19.61	
15	QPSK	75	0	19.62	19.71	19.62	20.8
15	16QAM	1	0	19.71	19.84	20.19	
15	16QAM	1	37	19.84	19.77	19.94	
15	16QAM	1	74	19.92	19.60	19.53	20.8
15	16QAM	36	0	19.64	19.66	19.79	
15	16QAM	36	20	19.76	19.59	19.62	
15	16QAM	36	39	19.75	19.56	19.50	20.8
15	16QAM	75	0	19.64	19.61	19.58	
15	64QAM	1	0	19.69	19.75	19.99	
15	64QAM	1	37	19.81	19.75	19.90	20.8
15	64QAM	1	74	19.83	19.61	19.53	
15	64QAM	36	0	19.67	19.74	19.77	
15	64QAM	36	20	19.72	19.66	19.64	20.8
15	64QAM	36	39	19.80	19.60	19.51	
15	64QAM	75	0	19.64	19.63	19.60	
15	256QAM	1	0	19.06	19.06	19.03	20.3
15	256QAM	1	37	19.24	19.24	19.25	
15	256QAM	1	74	18.87	19.09	18.98	
15	256QAM	36	0	18.97	19.10	18.95	20.3
15	256QAM	36	20	18.96	19.10	19.00	
15	256QAM	36	39	18.93	19.03	19.04	



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15	256QAM	75	0	18.97	19.10	19.00	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.55	19.74	19.70	20.8
10	QPSK	1	25	19.56	19.55	19.59	
10	QPSK	1	49	19.56	19.56	19.60	
10	QPSK	25	0	19.73	19.76	19.77	20.8
10	QPSK	25	12	19.69	19.63	19.60	
10	QPSK	25	25	19.70	19.55	19.60	
10	QPSK	50	0	19.71	19.64	19.61	
10	16QAM	1	0	19.74	19.91	20.16	20.8
10	16QAM	1	25	19.91	19.82	19.95	
10	16QAM	1	49	19.85	19.56	19.54	
10	16QAM	25	0	19.61	19.70	19.75	20.8
10	16QAM	25	12	19.74	19.62	19.64	
10	16QAM	25	25	19.79	19.55	19.55	
10	16QAM	50	0	19.66	19.60	19.57	
10	64QAM	1	0	19.61	19.79	20.03	20.8
10	64QAM	1	25	19.78	19.77	19.82	
10	64QAM	1	49	19.76	19.58	19.57	
10	64QAM	25	0	19.72	19.68	19.77	20.8
10	64QAM	25	12	19.74	19.61	19.66	
10	64QAM	25	25	19.81	19.52	19.61	
10	64QAM	50	0	19.69	19.59	19.59	
10	256QAM	1	0	19.06	19.14	19.10	20.3
10	256QAM	1	25	19.19	19.23	19.19	
10	256QAM	1	49	18.92	19.06	18.95	
10	256QAM	25	0	19.01	19.02	19.04	20.3
10	256QAM	25	12	19.02	19.02	18.96	
10	256QAM	25	25	18.99	18.99	19.03	
10	256QAM	50	0	18.97	19.14	19.09	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	19.52	19.73	19.71	20.8
5	QPSK	1	12	19.54	19.53	19.64	
5	QPSK	1	24	19.54	19.53	19.64	
5	QPSK	12	0	19.68	19.71	19.79	20.8
5	QPSK	12	7	19.67	19.67	19.57	
5	QPSK	12	13	19.75	19.54	19.55	
5	QPSK	25	0	19.69	19.69	19.56	
5	16QAM	1	0	19.73	19.88	20.14	20.8
5	16QAM	1	12	19.83	19.82	19.92	
5	16QAM	1	24	19.95	19.60	19.55	
5	16QAM	12	0	19.65	19.71	19.73	20.8
5	16QAM	12	7	19.68	19.59	19.57	
5	16QAM	12	13	19.81	19.58	19.55	
5	16QAM	25	0	19.63	19.61	19.62	
5	64QAM	1	0	19.65	19.78	19.99	20.8
5	64QAM	1	12	19.80	19.74	19.88	
5	64QAM	1	24	19.77	19.55	19.52	
5	64QAM	12	0	19.66	19.67	19.84	20.8
5	64QAM	12	7	19.73	19.64	19.64	
5	64QAM	12	13	19.76	19.52	19.60	
5	64QAM	25	0	19.71	19.58	19.63	
5	256QAM	1	0	19.12	19.13	19.12	20.3
5	256QAM	1	12	19.18	19.25	19.26	
5	256QAM	1	24	18.90	19.11	18.90	
5	256QAM	12	0	18.99	19.08	19.01	20.3
5	256QAM	12	7	18.96	19.09	18.94	
5	256QAM	12	13	18.93	19.02	19.03	
5	256QAM	25	0	18.94	19.14	19.09	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	19.61	19.73	19.67	20.8
3	QPSK	1	8	19.51	19.55	19.55	
3	QPSK	1	14	19.57	19.50	19.56	
3	QPSK	8	0	19.74	19.69	19.76	20.8
3	QPSK	8	4	19.74	19.67	19.66	
3	QPSK	8	7	19.68	19.56	19.60	
3	QPSK	15	0	19.67	19.73	19.66	20.8
3	16QAM	1	0	19.74	19.84	20.20	
3	16QAM	1	8	19.83	19.83	19.90	
3	16QAM	1	14	19.86	19.54	19.57	20.8
3	16QAM	8	0	19.60	19.70	19.73	
3	16QAM	8	4	19.72	19.58	19.62	
3	16QAM	8	7	19.73	19.51	19.56	20.8
3	16QAM	15	0	19.71	19.54	19.61	
3	64QAM	1	0	19.59	19.78	19.97	
3	64QAM	1	8	19.78	19.72	19.82	20.8
3	64QAM	1	14	19.78	19.60	19.53	
3	64QAM	8	0	19.69	19.70	19.83	
3	64QAM	8	4	19.69	19.68	19.60	20.8
3	64QAM	8	7	19.78	19.58	19.60	
3	64QAM	15	0	19.65	19.64	19.62	
3	256QAM	1	0	19.09	19.07	19.06	20.3
3	256QAM	1	8	19.22	19.28	19.28	
3	256QAM	1	14	18.87	19.05	18.90	
3	256QAM	8	0	19.07	19.12	19.01	20.3
3	256QAM	8	4	19.00	19.00	18.98	
3	256QAM	8	7	18.95	19.05	19.05	
3	256QAM	15	0	18.97	19.07	19.09	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.52	19.73	19.68	20.8
1.4	QPSK	1	3	19.50	19.55	19.55	
1.4	QPSK	1	5	19.58	19.60	19.58	
1.4	QPSK	3	0	19.69	19.73	19.75	20.8
1.4	QPSK	3	1	19.68	19.70	19.60	
1.4	QPSK	3	3	19.75	19.61	19.61	
1.4	QPSK	6	0	19.71	19.71	19.63	20.8
1.4	16QAM	1	0	19.70	19.83	20.14	
1.4	16QAM	1	3	19.85	19.78	19.93	
1.4	16QAM	1	5	19.90	19.55	19.59	20.8
1.4	16QAM	3	0	19.61	19.68	19.72	
1.4	16QAM	3	1	19.71	19.66	19.58	
1.4	16QAM	3	3	19.73	19.55	19.57	20.8
1.4	16QAM	6	0	19.64	19.57	19.64	
1.4	64QAM	1	0	19.64	19.75	19.98	
1.4	64QAM	1	3	19.71	19.78	19.88	20.8
1.4	64QAM	1	5	19.83	19.53	19.55	
1.4	64QAM	3	0	19.72	19.68	19.80	
1.4	64QAM	3	1	19.75	19.59	19.61	20.8
1.4	64QAM	3	3	19.79	19.53	19.61	
1.4	64QAM	6	0	19.67	19.64	19.66	
1.4	256QAM	1	0	19.11	19.08	19.12	20.3
1.4	256QAM	1	3	19.21	19.24	19.26	
1.4	256QAM	1	5	18.91	19.12	18.89	
1.4	256QAM	3	0	19.04	19.04	18.98	20.3
1.4	256QAM	3	1	18.98	19.03	19.00	
1.4	256QAM	3	3	19.03	19.00	19.01	
1.4	256QAM	6	0	18.92	19.08	19.08	20.3



<LTE Band 66_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.23	18.30	18.29	19.2
20	QPSK	1	49	18.22	18.27	18.27	
20	QPSK	1	99	18.15	18.16	18.19	
20	QPSK	50	0	18.24	18.32	18.31	19.2
20	QPSK	50	24	18.22	18.31	18.25	
20	QPSK	50	50	18.22	18.30	18.26	
20	QPSK	100	0	18.25	18.30	18.27	19.2
20	16QAM	1	0	18.22	18.23	18.29	
20	16QAM	1	49	18.14	18.25	18.25	
20	16QAM	1	99	18.12	18.07	18.10	19.2
20	16QAM	50	0	18.22	18.30	18.30	
20	16QAM	50	24	18.17	18.23	18.16	
20	16QAM	50	50	18.18	18.23	18.17	19.2
20	16QAM	100	0	18.23	18.23	18.18	
20	64QAM	1	0	18.19	18.22	18.29	
20	64QAM	1	49	18.20	18.20	18.23	19.2
20	64QAM	1	99	18.06	18.08	18.16	
20	64QAM	50	0	18.23	18.26	18.23	
20	64QAM	50	24	18.14	18.30	18.19	19.2
20	64QAM	50	50	18.19	18.20	18.25	
20	64QAM	100	0	18.19	18.25	18.22	
20	256QAM	1	0	18.18	18.27	18.22	19.2
20	256QAM	1	49	18.20	18.25	18.18	
20	256QAM	1	99	18.08	18.12	18.13	
20	256QAM	50	0	18.23	18.28	18.26	19.2
20	256QAM	50	24	18.13	18.30	18.19	
20	256QAM	50	50	18.19	18.25	18.18	
20	256QAM	100	0	18.19	18.27	18.17	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.22	18.26	18.25	19.2
15	QPSK	1	37	18.12	18.26	18.22	
15	QPSK	1	74	18.10	18.14	18.13	
15	QPSK	36	0	18.17	18.29	18.31	19.2
15	QPSK	36	20	18.16	18.25	18.19	
15	QPSK	36	39	18.16	18.20	18.16	
15	QPSK	75	0	18.15	18.29	18.18	19.2
15	16QAM	1	0	18.21	18.23	18.26	
15	16QAM	1	37	18.10	18.25	18.22	
15	16QAM	1	74	18.02	18.04	18.05	19.2
15	16QAM	36	0	18.15	18.23	18.26	
15	16QAM	36	20	18.11	18.17	18.07	
15	16QAM	36	39	18.15	18.20	18.11	19.2
15	16QAM	75	0	18.21	18.13	18.12	
15	64QAM	1	0	18.12	18.18	18.22	
15	64QAM	1	37	18.15	18.18	18.13	19.2
15	64QAM	1	74	18.03	18.06	18.15	
15	64QAM	36	0	18.15	18.19	18.21	
15	64QAM	36	20	18.05	18.24	18.10	19.2
15	64QAM	36	39	18.17	18.15	18.23	
15	64QAM	75	0	18.11	18.20	18.22	
15	256QAM	1	0	18.12	18.27	18.18	19.2
15	256QAM	1	37	18.19	18.23	18.17	
15	256QAM	1	74	18.06	18.09	18.04	
15	256QAM	36	0	18.18	18.26	18.22	19.2
15	256QAM	36	20	18.09	18.23	18.16	
15	256QAM	36	39	18.19	18.18	18.17	



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15	256QAM	75	0	18.14	18.17	18.10	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.23	18.20	18.27	19.2
10	QPSK	1	25	18.20	18.22	18.22	
10	QPSK	1	49	18.05	18.13	18.19	
10	QPSK	25	0	18.14	18.31	18.21	19.2
10	QPSK	25	12	18.15	18.28	18.16	
10	QPSK	25	25	18.22	18.29	18.18	
10	QPSK	50	0	18.19	18.30	18.21	
10	16QAM	1	0	18.22	18.15	18.22	19.2
10	16QAM	1	25	18.08	18.15	18.22	
10	16QAM	1	49	18.05	18.20	18.09	
10	16QAM	25	0	18.21	18.24	18.26	19.2
10	16QAM	25	12	18.13	18.15	18.10	
10	16QAM	25	25	18.10	18.18	18.10	
10	16QAM	50	0	18.14	18.21	18.15	
10	64QAM	1	0	18.16	18.13	18.27	19.2
10	64QAM	1	25	18.13	18.10	18.13	
10	64QAM	1	49	18.04	18.07	18.13	
10	64QAM	25	0	18.19	18.16	18.16	19.2
10	64QAM	25	12	18.05	18.21	18.11	
10	64QAM	25	25	18.15	18.12	18.16	
10	64QAM	50	0	18.19	18.15	18.20	
10	256QAM	1	0	18.08	18.25	18.18	19.2
10	256QAM	1	25	18.20	18.17	18.16	
10	256QAM	1	49	18.01	18.11	18.04	
10	256QAM	25	0	18.23	18.28	18.24	19.2
10	256QAM	25	12	18.13	18.29	18.09	
10	256QAM	25	25	18.11	18.25	18.14	
10	256QAM	50	0	18.18	18.25	18.14	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	18.21	18.29	18.25	19.2
5	QPSK	1	12	18.17	18.20	18.20	
5	QPSK	1	24	18.10	18.11	18.09	
5	QPSK	12	0	18.15	18.30	18.28	19.2
5	QPSK	12	7	18.22	18.24	18.25	
5	QPSK	12	13	18.14	18.24	18.19	
5	QPSK	25	0	18.19	18.27	18.20	
5	16QAM	1	0	18.16	18.15	18.19	19.2
5	16QAM	1	12	18.08	18.20	18.20	
5	16QAM	1	24	18.10	18.07	18.02	
5	16QAM	12	0	18.13	18.26	18.29	19.2
5	16QAM	12	7	18.08	18.14	18.12	
5	16QAM	12	13	18.09	18.16	18.17	
5	16QAM	25	0	18.15	18.23	18.10	
5	64QAM	1	0	18.10	18.19	18.21	19.2
5	64QAM	1	12	18.18	18.18	18.19	
5	64QAM	1	24	18.02	18.04	18.15	
5	64QAM	12	0	18.15	18.26	18.15	19.2
5	64QAM	12	7	18.14	18.24	18.09	
5	64QAM	12	13	18.13	18.12	18.15	
5	64QAM	25	0	18.10	18.22	18.22	
5	256QAM	1	0	18.13	18.19	18.19	19.2
5	256QAM	1	12	18.13	18.21	18.13	
5	256QAM	1	24	17.99	18.11	18.06	
5	256QAM	12	0	18.18	18.21	18.23	19.2
5	256QAM	12	7	18.03	18.20	18.16	
5	256QAM	12	13	18.17	18.16	18.11	
5	256QAM	25	0	18.13	18.23	18.11	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	18.22	18.30	18.24	19.2
3	QPSK	1	8	18.15	18.18	18.22	
3	QPSK	1	14	18.12	18.06	18.16	
3	QPSK	8	0	18.21	18.30	18.27	19.2
3	QPSK	8	4	18.16	18.24	18.24	
3	QPSK	8	7	18.18	18.30	18.18	
3	QPSK	15	0	18.15	18.24	18.24	19.2
3	16QAM	1	0	18.22	18.18	18.22	
3	16QAM	1	8	18.04	18.21	18.24	
3	16QAM	1	14	18.02	18.07	18.00	19.2
3	16QAM	8	0	18.14	18.26	18.24	
3	16QAM	8	4	18.15	18.19	18.15	
3	16QAM	8	7	18.15	18.16	18.10	19.2
3	16QAM	15	0	18.19	18.19	18.18	
3	64QAM	1	0	18.19	18.18	18.28	
3	64QAM	1	8	18.12	18.15	18.19	19.2
3	64QAM	1	14	18.01	18.01	18.11	
3	64QAM	8	0	18.16	18.26	18.20	
3	64QAM	8	4	18.04	18.30	18.16	19.2
3	64QAM	8	7	18.11	18.16	18.21	
3	64QAM	15	0	18.15	18.19	18.16	
3	256QAM	1	0	18.15	18.19	18.20	19.2
3	256QAM	1	8	18.17	18.20	18.08	
3	256QAM	1	14	18.07	18.11	18.13	
3	256QAM	8	0	18.19	18.20	18.25	19.2
3	256QAM	8	4	18.03	18.29	18.19	
3	256QAM	8	7	18.11	18.19	18.08	
3	256QAM	15	0	18.17	18.22	18.09	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.16	18.28	18.22	19.2
1.4	QPSK	1	3	18.12	18.23	18.25	
1.4	QPSK	1	5	18.12	18.13	18.15	
1.4	QPSK	3	0	18.23	18.25	18.23	
1.4	QPSK	3	1	18.22	18.29	18.23	
1.4	QPSK	3	3	18.12	18.28	18.16	19.2
1.4	QPSK	6	0	18.25	18.26	18.18	
1.4	16QAM	1	0	18.14	18.21	18.20	19.2
1.4	16QAM	1	3	18.14	18.24	18.17	
1.4	16QAM	1	5	18.02	18.04	18.10	
1.4	16QAM	3	0	18.13	18.28	18.30	
1.4	16QAM	3	1	18.15	18.18	18.12	
1.4	16QAM	3	3	18.14	18.21	18.17	19.2
1.4	16QAM	6	0	18.23	18.20	18.18	
1.4	64QAM	1	0	18.19	18.22	18.20	19.2
1.4	64QAM	1	3	18.14	18.13	18.20	
1.4	64QAM	1	5	18.20	18.01	18.11	
1.4	64QAM	3	0	18.19	18.20	18.22	
1.4	64QAM	3	1	18.13	18.27	18.12	
1.4	64QAM	3	3	18.16	18.19	18.17	19.2
1.4	64QAM	6	0	18.19	18.21	18.12	
1.4	256QAM	1	0	18.14	18.23	18.17	19.2
1.4	256QAM	1	3	18.18	18.16	18.10	
1.4	256QAM	1	5	18.00	18.05	18.03	
1.4	256QAM	3	0	18.23	18.22	18.23	
1.4	256QAM	3	1	18.04	18.20	18.16	
1.4	256QAM	3	3	18.18	18.24	18.12	19.2
1.4	256QAM	6	0	18.16	18.23	18.10	



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.23	18.30	18.29	18.5
20	QPSK	1	49	18.22	18.27	18.27	
20	QPSK	1	99	18.15	18.16	18.19	
20	QPSK	50	0	18.24	18.32	18.31	18.5
20	QPSK	50	24	18.22	18.31	18.25	
20	QPSK	50	50	18.22	18.30	18.26	
20	QPSK	100	0	18.25	18.30	18.27	18.5
20	16QAM	1	0	18.22	18.23	18.29	
20	16QAM	1	49	18.14	18.25	18.25	
20	16QAM	1	99	18.12	18.07	18.10	18.5
20	16QAM	50	0	18.22	18.30	18.30	
20	16QAM	50	24	18.17	18.23	18.16	
20	16QAM	50	50	18.18	18.23	18.17	18.5
20	16QAM	100	0	18.23	18.23	18.18	
20	64QAM	1	0	18.19	18.22	18.29	
20	64QAM	1	49	18.20	18.20	18.23	18.5
20	64QAM	1	99	18.06	18.08	18.16	
20	64QAM	50	0	18.23	18.26	18.23	
20	64QAM	50	24	18.14	18.30	18.19	18.5
20	64QAM	50	50	18.19	18.20	18.25	
20	64QAM	100	0	18.19	18.25	18.22	
20	256QAM	1	0	18.18	18.27	18.22	18.5
20	256QAM	1	49	18.20	18.25	18.18	
20	256QAM	1	99	18.08	18.12	18.13	
20	256QAM	50	0	18.23	18.28	18.26	18.5
20	256QAM	50	24	18.13	18.30	18.19	
20	256QAM	50	50	18.19	18.25	18.18	
20	256QAM	100	0	18.19	18.27	18.17	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.22	18.26	18.25	18.5
15	QPSK	1	37	18.12	18.26	18.22	
15	QPSK	1	74	18.10	18.14	18.13	
15	QPSK	36	0	18.17	18.29	18.31	18.5
15	QPSK	36	20	18.16	18.25	18.19	
15	QPSK	36	39	18.16	18.20	18.16	
15	QPSK	75	0	18.15	18.29	18.18	18.5
15	16QAM	1	0	18.21	18.23	18.26	
15	16QAM	1	37	18.10	18.25	18.22	
15	16QAM	1	74	18.02	18.04	18.05	18.5
15	16QAM	36	0	18.15	18.23	18.26	
15	16QAM	36	20	18.11	18.17	18.07	
15	16QAM	36	39	18.15	18.20	18.11	18.5
15	16QAM	75	0	18.21	18.13	18.12	
15	64QAM	1	0	18.12	18.18	18.22	
15	64QAM	1	37	18.15	18.18	18.13	18.5
15	64QAM	1	74	18.03	18.06	18.15	
15	64QAM	36	0	18.15	18.19	18.21	
15	64QAM	36	20	18.05	18.24	18.10	18.5
15	64QAM	36	39	18.17	18.15	18.23	
15	64QAM	75	0	18.11	18.20	18.22	
15	256QAM	1	0	18.12	18.27	18.18	18.5
15	256QAM	1	37	18.19	18.23	18.17	
15	256QAM	1	74	18.06	18.09	18.04	
15	256QAM	36	0	18.18	18.26	18.22	18.5
15	256QAM	36	20	18.09	18.23	18.16	
15	256QAM	36	39	18.19	18.18	18.17	



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15	256QAM	75	0	18.14	18.17	18.10	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.23	18.20	18.27	18.5
10	QPSK	1	25	18.20	18.22	18.22	
10	QPSK	1	49	18.05	18.13	18.19	
10	QPSK	25	0	18.14	18.31	18.21	18.5
10	QPSK	25	12	18.15	18.28	18.16	
10	QPSK	25	25	18.22	18.29	18.18	
10	QPSK	50	0	18.19	18.30	18.21	
10	16QAM	1	0	18.22	18.15	18.22	18.5
10	16QAM	1	25	18.08	18.15	18.22	
10	16QAM	1	49	18.05	18.20	18.09	
10	16QAM	25	0	18.21	18.24	18.26	18.5
10	16QAM	25	12	18.13	18.15	18.10	
10	16QAM	25	25	18.10	18.18	18.10	
10	16QAM	50	0	18.14	18.21	18.15	
10	64QAM	1	0	18.16	18.13	18.27	18.5
10	64QAM	1	25	18.13	18.10	18.13	
10	64QAM	1	49	18.04	18.07	18.13	
10	64QAM	25	0	18.19	18.16	18.16	18.5
10	64QAM	25	12	18.05	18.21	18.11	
10	64QAM	25	25	18.15	18.12	18.16	
10	64QAM	50	0	18.19	18.15	18.20	
10	256QAM	1	0	18.08	18.25	18.18	18.5
10	256QAM	1	25	18.20	18.17	18.16	
10	256QAM	1	49	18.01	18.11	18.04	
10	256QAM	25	0	18.23	18.28	18.24	18.5
10	256QAM	25	12	18.13	18.29	18.09	
10	256QAM	25	25	18.11	18.25	18.14	
10	256QAM	50	0	18.18	18.25	18.14	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	18.21	18.29	18.25	18.5
5	QPSK	1	12	18.17	18.20	18.20	
5	QPSK	1	24	18.10	18.11	18.09	
5	QPSK	12	0	18.15	18.30	18.28	18.5
5	QPSK	12	7	18.22	18.24	18.25	
5	QPSK	12	13	18.14	18.24	18.19	
5	QPSK	25	0	18.19	18.27	18.20	
5	16QAM	1	0	18.16	18.15	18.19	18.5
5	16QAM	1	12	18.08	18.20	18.20	
5	16QAM	1	24	18.10	18.07	18.02	
5	16QAM	12	0	18.13	18.26	18.29	18.5
5	16QAM	12	7	18.08	18.14	18.12	
5	16QAM	12	13	18.09	18.16	18.17	
5	16QAM	25	0	18.15	18.23	18.10	
5	64QAM	1	0	18.10	18.19	18.21	18.5
5	64QAM	1	12	18.18	18.18	18.19	
5	64QAM	1	24	18.02	18.04	18.15	
5	64QAM	12	0	18.15	18.26	18.15	18.5
5	64QAM	12	7	18.14	18.24	18.09	
5	64QAM	12	13	18.13	18.12	18.15	
5	64QAM	25	0	18.10	18.22	18.22	
5	256QAM	1	0	18.13	18.19	18.19	18.5
5	256QAM	1	12	18.13	18.21	18.13	
5	256QAM	1	24	17.99	18.11	18.06	
5	256QAM	12	0	18.18	18.21	18.23	18.5
5	256QAM	12	7	18.03	18.20	18.16	
5	256QAM	12	13	18.17	18.16	18.11	
5	256QAM	25	0	18.13	18.23	18.11	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	18.22	18.30	18.24	18.5
3	QPSK	1	8	18.15	18.18	18.22	
3	QPSK	1	14	18.12	18.06	18.16	
3	QPSK	8	0	18.21	18.30	18.27	18.5
3	QPSK	8	4	18.16	18.24	18.24	
3	QPSK	8	7	18.18	18.30	18.18	
3	QPSK	15	0	18.15	18.24	18.24	18.5
3	16QAM	1	0	18.22	18.18	18.22	
3	16QAM	1	8	18.04	18.21	18.24	
3	16QAM	1	14	18.02	18.07	18.00	18.5
3	16QAM	8	0	18.14	18.26	18.24	
3	16QAM	8	4	18.15	18.19	18.15	
3	16QAM	8	7	18.15	18.16	18.10	18.5
3	16QAM	15	0	18.19	18.19	18.18	
3	64QAM	1	0	18.19	18.18	18.28	
3	64QAM	1	8	18.12	18.15	18.19	18.5
3	64QAM	1	14	18.01	18.01	18.11	
3	64QAM	8	0	18.16	18.26	18.20	
3	64QAM	8	4	18.04	18.30	18.16	18.5
3	64QAM	8	7	18.11	18.16	18.21	
3	64QAM	15	0	18.15	18.19	18.16	
3	256QAM	1	0	18.15	18.19	18.20	18.5
3	256QAM	1	8	18.17	18.20	18.08	
3	256QAM	1	14	18.07	18.11	18.13	
3	256QAM	8	0	18.19	18.20	18.25	18.5
3	256QAM	8	4	18.03	18.29	18.19	
3	256QAM	8	7	18.11	18.19	18.08	
3	256QAM	15	0	18.17	18.22	18.09	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.16	18.28	18.22	18.5
1.4	QPSK	1	3	18.12	18.23	18.25	
1.4	QPSK	1	5	18.12	18.13	18.15	
1.4	QPSK	3	0	18.23	18.25	18.23	
1.4	QPSK	3	1	18.22	18.29	18.23	
1.4	QPSK	3	3	18.12	18.28	18.16	18.5
1.4	QPSK	6	0	18.25	18.26	18.18	
1.4	16QAM	1	0	18.14	18.21	18.20	18.5
1.4	16QAM	1	3	18.14	18.24	18.17	
1.4	16QAM	1	5	18.02	18.04	18.10	
1.4	16QAM	3	0	18.13	18.28	18.30	
1.4	16QAM	3	1	18.15	18.18	18.12	
1.4	16QAM	3	3	18.14	18.21	18.17	18.5
1.4	16QAM	6	0	18.23	18.20	18.18	
1.4	64QAM	1	0	18.19	18.22	18.20	18.5
1.4	64QAM	1	3	18.14	18.13	18.20	
1.4	64QAM	1	5	18.20	18.01	18.11	
1.4	64QAM	3	0	18.19	18.20	18.22	
1.4	64QAM	3	1	18.13	18.27	18.12	
1.4	64QAM	3	3	18.16	18.19	18.17	18.5
1.4	64QAM	6	0	18.19	18.21	18.12	
1.4	256QAM	1	0	18.14	18.23	18.17	18.5
1.4	256QAM	1	3	18.18	18.16	18.10	
1.4	256QAM	1	5	18.00	18.05	18.03	
1.4	256QAM	3	0	18.23	18.22	18.23	
1.4	256QAM	3	1	18.04	18.20	18.16	
1.4	256QAM	3	3	18.18	18.24	18.12	18.5
1.4	256QAM	6	0	18.16	18.23	18.10	



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.15	21.18	21.18	22.2
20	QPSK	1	49	21.05	21.17	21.15	
20	QPSK	1	99	21.05	21.07	21.05	
20	QPSK	50	0	21.20	21.25	21.19	22.2
20	QPSK	50	24	21.10	21.22	21.09	
20	QPSK	50	50	21.11	21.20	21.16	
20	QPSK	100	0	21.20	21.21	21.17	22.2
20	16QAM	1	0	21.06	21.03	21.15	
20	16QAM	1	49	20.95	21.07	21.05	
20	16QAM	1	99	20.96	20.90	20.98	22.2
20	16QAM	50	0	21.10	21.19	21.18	
20	16QAM	50	24	21.07	21.03	20.98	
20	16QAM	50	50	21.02	21.11	20.98	22.2
20	16QAM	100	0	21.06	21.12	21.02	
20	64QAM	1	0	21.08	21.10	21.14	
20	64QAM	1	49	21.09	21.05	21.06	22.2
20	64QAM	1	99	20.95	20.94	21.04	
20	64QAM	50	0	21.09	21.06	21.05	
20	64QAM	50	24	20.94	21.17	20.99	22.2
20	64QAM	50	50	21.06	21.07	21.06	
20	64QAM	100	0	21.00	21.11	21.12	
20	256QAM	1	0	19.95	20.01	19.95	20.5
20	256QAM	1	49	20.13	20.10	20.09	
20	256QAM	1	99	19.90	19.96	19.89	
20	256QAM	50	0	19.81	19.87	19.85	20.5
20	256QAM	50	24	19.75	19.82	19.80	
20	256QAM	50	50	19.80	19.83	19.84	
20	256QAM	100	0	19.75	19.90	19.86	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.09	21.16	21.15	22.2
15	QPSK	1	37	21.05	21.17	21.08	
15	QPSK	1	74	21.02	20.97	21.03	
15	QPSK	36	0	21.20	21.17	21.10	22.2
15	QPSK	36	20	21.05	21.17	21.09	
15	QPSK	36	39	21.01	21.14	21.16	
15	QPSK	75	0	21.19	21.16	21.13	22.2
15	16QAM	1	0	21.00	21.01	21.11	
15	16QAM	1	37	20.93	21.00	21.05	
15	16QAM	1	74	20.92	21.00	20.98	22.2
15	16QAM	36	0	21.10	21.10	21.12	
15	16QAM	36	20	21.00	21.03	20.97	
15	16QAM	36	39	21.01	21.08	20.92	22.2
15	16QAM	75	0	21.01	21.02	20.99	
15	64QAM	1	0	20.98	21.07	21.07	
15	64QAM	1	37	21.03	20.95	21.03	22.2
15	64QAM	1	74	20.89	20.89	21.01	
15	64QAM	36	0	20.99	20.98	20.95	
15	64QAM	36	20	20.90	21.09	20.90	22.2
15	64QAM	36	39	21.05	20.97	21.04	
15	64QAM	75	0	20.99	21.03	21.07	
15	256QAM	1	0	19.86	19.95	19.89	20.5
15	256QAM	1	37	20.05	20.01	20.09	
15	256QAM	1	74	19.85	19.92	19.79	
15	256QAM	36	0	19.78	19.86	19.82	20.5
15	256QAM	36	20	19.67	19.82	19.75	
15	256QAM	36	39	19.73	19.78	19.81	



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15	256QAM	75	0	19.74	19.81	19.80	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.12	21.10	21.11	22.2
10	QPSK	1	25	20.96	21.10	21.12	
10	QPSK	1	49	21.00	20.98	20.97	
10	QPSK	25	0	21.19	21.15	21.19	22.2
10	QPSK	25	12	21.01	21.16	21.03	
10	QPSK	25	25	21.01	21.15	21.10	
10	QPSK	50	0	21.10	21.19	21.12	22.2
10	16QAM	1	0	21.01	21.01	21.07	
10	16QAM	1	25	21.01	21.03	20.99	
10	16QAM	1	49	20.91	21.01	20.93	22.2
10	16QAM	25	0	21.05	21.12	21.17	
10	16QAM	25	12	20.98	20.93	20.94	
10	16QAM	25	25	20.97	21.04	20.90	22.2
10	16QAM	50	0	21.04	21.04	21.00	
10	64QAM	1	0	21.06	21.00	21.08	
10	64QAM	1	25	21.02	21.02	21.03	22.2
10	64QAM	1	49	20.93	20.89	20.96	
10	64QAM	25	0	21.08	21.06	20.97	
10	64QAM	25	12	20.94	21.14	20.89	22.2
10	64QAM	25	25	21.04	21.04	21.03	
10	64QAM	50	0	20.97	21.11	21.05	
10	256QAM	1	0	19.95	19.91	19.94	20.5
10	256QAM	1	25	20.11	20.03	20.03	
10	256QAM	1	49	19.83	19.94	19.83	
10	256QAM	25	0	19.79	19.79	19.84	20.5
10	256QAM	25	12	19.65	19.76	19.71	
10	256QAM	25	25	19.78	19.79	19.80	
10	256QAM	50	0	19.65	19.80	19.77	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.15	21.09	21.13	22.2
5	QPSK	1	12	21.01	21.15	21.08	
5	QPSK	1	24	20.97	20.98	21.01	
5	QPSK	12	0	21.18	21.22	21.15	22.2
5	QPSK	12	7	21.03	21.14	21.07	
5	QPSK	12	13	21.02	21.13	21.10	
5	QPSK	25	0	21.20	21.21	21.11	22.2
5	16QAM	1	0	20.98	20.93	21.10	
5	16QAM	1	12	20.92	21.07	21.01	
5	16QAM	1	24	20.97	20.92	20.96	22.2
5	16QAM	12	0	21.05	21.19	21.08	
5	16QAM	12	7	20.99	21.03	20.94	
5	16QAM	12	13	20.96	21.06	20.97	22.2
5	16QAM	25	0	21.05	21.02	20.93	
5	64QAM	1	0	20.98	21.09	21.13	
5	64QAM	1	12	21.06	21.04	21.01	22.2
5	64QAM	1	24	20.95	20.92	20.94	
5	64QAM	12	0	21.02	21.06	21.00	
5	64QAM	12	7	20.86	21.16	20.99	22.2
5	64QAM	12	13	21.02	20.98	20.96	
5	64QAM	25	0	20.90	21.07	21.12	
5	256QAM	1	0	19.86	19.97	19.93	20.5
5	256QAM	1	12	20.06	20.03	20.05	
5	256QAM	1	24	19.88	19.90	19.84	
5	256QAM	12	0	19.78	19.86	19.75	20.5
5	256QAM	12	7	19.75	19.76	19.71	
5	256QAM	12	13	19.70	19.74	19.79	
5	256QAM	25	0	19.69	19.87	19.86	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	21.09	21.11	21.17	22.2	
3	QPSK	1	8	20.98	21.10	21.12		
3	QPSK	1	14	20.95	21.04	21.02		
3	QPSK	8	0	21.15	21.16	21.19	22.2	
3	QPSK	8	4	21.00	21.17	20.99		
3	QPSK	8	7	21.05	21.11	21.15		
3	QPSK	15	0	21.15	21.19	21.08	22.2	
3	16QAM	1	0	20.98	21.01	21.10		
3	16QAM	1	8	20.94	21.01	20.97		
3	16QAM	1	14	20.99	20.96	20.95	22.2	
3	16QAM	8	0	21.07	21.17	21.18		
3	16QAM	8	4	21.05	21.02	21.02		
3	16QAM	8	7	20.96	21.04	20.95	22.2	
3	16QAM	15	0	21.06	21.10	20.98		
3	64QAM	1	0	21.08	21.00	21.04		
3	64QAM	1	8	20.99	20.95	20.98	22.2	
3	64QAM	1	14	20.90	20.90	20.99		
3	64QAM	8	0	21.03	21.03	20.99		
3	64QAM	8	4	20.86	21.09	20.98	22.2	
3	64QAM	8	7	20.97	21.07	21.03		
3	64QAM	15	0	20.95	21.05	21.06		
3	256QAM	1	0	19.88	19.99	19.88	20.5	
3	256QAM	1	8	20.13	20.03	20.09		
3	256QAM	1	14	19.84	19.96	19.89		
3	256QAM	8	0	19.78	19.83	19.79	20.5	
3	256QAM	8	4	19.72	19.75	19.73		
3	256QAM	8	7	19.72	19.77	19.76		
3	256QAM	15	0	19.65	19.87	19.77	20.5	
Channel				131979	132322	132665		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.08	21.09	21.16	22.2	
1.4	QPSK	1	3	21.03	21.16	21.13		
1.4	QPSK	1	5	20.96	21.02	21.00		
1.4	QPSK	3	0	21.14	21.18	21.09	22.2	
1.4	QPSK	3	1	21.00	21.22	21.07		
1.4	QPSK	3	3	21.10	21.12	21.13		
1.4	QPSK	6	0	21.11	21.15	21.15	22.2	
1.4	16QAM	1	0	20.99	20.99	21.09		
1.4	16QAM	1	3	20.99	21.03	20.95		
1.4	16QAM	1	5	20.92	20.91	20.97	22.2	
1.4	16QAM	3	0	21.01	21.17	21.13		
1.4	16QAM	3	1	21.03	20.95	21.01		
1.4	16QAM	3	3	20.97	21.02	20.98	22.2	
1.4	16QAM	6	0	21.04	21.12	20.93		
1.4	64QAM	1	0	21.01	21.08	21.06		
1.4	64QAM	1	3	21.09	20.95	20.96	22.2	
1.4	64QAM	1	5	20.87	20.88	20.98		
1.4	64QAM	3	0	21.09	21.00	20.98		
1.4	64QAM	3	1	20.91	21.14	20.93	22.2	
1.4	64QAM	3	3	20.99	21.04	20.99		
1.4	64QAM	6	0	20.96	21.08	21.08		
1.4	256QAM	1	0	19.90	20.01	19.95	20.5	
1.4	256QAM	1	3	20.05	20.09	20.04		
1.4	256QAM	1	5	19.81	19.90	19.87		
1.4	256QAM	3	0	19.73	19.87	19.83	20.5	
1.4	256QAM	3	1	19.71	19.76	19.78		
1.4	256QAM	3	3	19.74	19.82	19.81		
1.4	256QAM	6	0	19.66	19.89	19.81	20.5	



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.15	21.18	21.18	22.9
20	QPSK	1	49	21.05	21.17	21.15	
20	QPSK	1	99	21.05	21.07	21.05	
20	QPSK	50	0	21.20	21.25	21.19	22.9
20	QPSK	50	24	21.10	21.22	21.09	
20	QPSK	50	50	21.11	21.20	21.16	
20	QPSK	100	0	21.20	21.21	21.17	22.9
20	16QAM	1	0	21.06	21.03	21.15	
20	16QAM	1	49	20.95	21.07	21.05	
20	16QAM	1	99	20.96	20.90	20.98	22.9
20	16QAM	50	0	21.10	21.19	21.18	
20	16QAM	50	24	21.07	21.03	20.98	
20	16QAM	50	50	21.02	21.11	20.98	22.9
20	16QAM	100	0	21.06	21.12	21.02	
20	64QAM	1	0	21.08	21.10	21.14	
20	64QAM	1	49	21.09	21.05	21.06	22.9
20	64QAM	1	99	20.95	20.94	21.04	
20	64QAM	50	0	21.09	21.06	21.05	
20	64QAM	50	24	20.94	21.17	20.99	22.5
20	64QAM	50	50	21.06	21.07	21.06	
20	64QAM	100	0	21.00	21.11	21.12	
20	256QAM	1	0	19.95	20.01	19.95	20.5
20	256QAM	1	49	20.13	20.10	20.09	
20	256QAM	1	99	19.90	19.96	19.89	
20	256QAM	50	0	19.81	19.87	19.85	20.5
20	256QAM	50	24	19.75	19.82	19.80	
20	256QAM	50	50	19.80	19.83	19.84	
20	256QAM	100	0	19.75	19.90	19.86	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.09	21.16	21.15	22.9
15	QPSK	1	37	21.05	21.17	21.08	
15	QPSK	1	74	21.02	20.97	21.03	
15	QPSK	36	0	21.20	21.17	21.10	22.9
15	QPSK	36	20	21.05	21.17	21.09	
15	QPSK	36	39	21.01	21.14	21.16	
15	QPSK	75	0	21.19	21.16	21.13	22.9
15	16QAM	1	0	21.00	21.01	21.11	
15	16QAM	1	37	20.93	21.00	21.05	
15	16QAM	1	74	20.92	21.00	20.98	22.9
15	16QAM	36	0	21.10	21.10	21.12	
15	16QAM	36	20	21.00	21.03	20.97	
15	16QAM	36	39	21.01	21.08	20.92	22.9
15	16QAM	75	0	21.01	21.02	20.99	
15	64QAM	1	0	20.98	21.07	21.07	
15	64QAM	1	37	21.03	20.95	21.03	22.9
15	64QAM	1	74	20.90	20.90	21.01	
15	64QAM	36	0	20.99	20.98	20.95	
15	64QAM	36	20	20.90	21.09	20.90	22.5
15	64QAM	36	39	21.05	20.97	21.04	
15	64QAM	75	0	20.99	21.03	21.07	
15	256QAM	1	0	19.86	19.95	19.89	20.5
15	256QAM	1	37	20.05	20.01	20.09	
15	256QAM	1	74	19.85	19.92	19.79	
15	256QAM	36	0	19.78	19.86	19.82	20.5
15	256QAM	36	20	19.67	19.82	19.75	
15	256QAM	36	39	19.73	19.78	19.81	



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15	256QAM	75	0	19.74	19.81	19.80	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.12	21.10	21.11	22.9
10	QPSK	1	25	20.96	21.10	21.12	
10	QPSK	1	49	21.00	20.98	20.97	
10	QPSK	25	0	21.19	21.15	21.19	22.9
10	QPSK	25	12	21.01	21.16	21.03	
10	QPSK	25	25	21.01	21.15	21.10	
10	QPSK	50	0	21.10	21.19	21.12	22.9
10	16QAM	1	0	21.01	21.01	21.07	
10	16QAM	1	25	21.01	21.03	20.99	
10	16QAM	1	49	20.91	21.01	20.93	22.9
10	16QAM	25	0	21.05	21.12	21.17	
10	16QAM	25	12	20.98	20.93	20.94	
10	16QAM	25	25	20.97	21.04	20.90	22.9
10	16QAM	50	0	21.04	21.04	21.00	
10	64QAM	1	0	21.06	21.00	21.08	
10	64QAM	1	25	21.02	21.02	21.03	22.9
10	64QAM	1	49	20.93	20.90	20.96	
10	64QAM	25	0	21.08	21.06	20.97	
10	64QAM	25	12	20.94	21.14	20.89	22.5
10	64QAM	25	25	21.04	21.04	21.03	
10	64QAM	50	0	20.97	21.11	21.05	
10	256QAM	1	0	19.95	19.91	19.94	20.5
10	256QAM	1	25	20.11	20.03	20.03	
10	256QAM	1	49	19.83	19.94	19.83	
10	256QAM	25	0	19.79	19.79	19.84	20.5
10	256QAM	25	12	19.65	19.76	19.71	
10	256QAM	25	25	19.78	19.79	19.80	
10	256QAM	50	0	19.65	19.80	19.77	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.15	21.09	21.13	22.9
5	QPSK	1	12	21.01	21.15	21.08	
5	QPSK	1	24	20.97	20.98	21.01	
5	QPSK	12	0	21.18	21.22	21.15	22.9
5	QPSK	12	7	21.03	21.14	21.07	
5	QPSK	12	13	21.02	21.13	21.10	
5	QPSK	25	0	21.20	21.21	21.11	22.9
5	16QAM	1	0	20.98	20.93	21.10	
5	16QAM	1	12	20.92	21.07	21.01	
5	16QAM	1	24	20.97	20.92	20.96	22.9
5	16QAM	12	0	21.05	21.19	21.08	
5	16QAM	12	7	20.99	21.03	20.94	
5	16QAM	12	13	20.96	21.06	20.97	22.9
5	16QAM	25	0	21.05	21.02	20.93	
5	64QAM	1	0	20.98	21.09	21.13	
5	64QAM	1	12	21.06	21.04	21.01	22.9
5	64QAM	1	24	20.95	20.92	20.94	
5	64QAM	12	0	21.02	21.06	21.00	
5	64QAM	12	7	20.86	21.16	20.99	22.5
5	64QAM	12	13	21.02	20.98	20.96	
5	64QAM	25	0	20.90	21.07	21.12	
5	256QAM	1	0	19.86	19.97	19.93	20.5
5	256QAM	1	12	20.06	20.03	20.05	
5	256QAM	1	24	19.88	19.90	19.84	
5	256QAM	12	0	19.78	19.86	19.75	20.5
5	256QAM	12	7	19.75	19.76	19.71	
5	256QAM	12	13	19.70	19.74	19.79	
5	256QAM	25	0	19.69	19.87	19.86	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	21.09	21.11	21.17	22.9	
3	QPSK	1	8	20.98	21.10	21.12		
3	QPSK	1	14	20.95	21.04	21.02		
3	QPSK	8	0	21.15	21.16	21.19	22.9	
3	QPSK	8	4	21.00	21.17	20.99		
3	QPSK	8	7	21.05	21.11	21.15		
3	QPSK	15	0	21.15	21.19	21.08	22.9	
3	16QAM	1	0	20.98	21.01	21.10		
3	16QAM	1	8	20.94	21.01	20.97		
3	16QAM	1	14	20.99	20.96	20.95	22.9	
3	16QAM	8	0	21.07	21.17	21.18		
3	16QAM	8	4	21.05	21.02	21.02		
3	16QAM	8	7	20.96	21.04	20.95	22.9	
3	16QAM	15	0	21.06	21.10	20.98		
3	64QAM	1	0	21.08	21.00	21.04		
3	64QAM	1	8	20.99	20.95	20.98	22.9	
3	64QAM	1	14	20.90	20.90	20.99		
3	64QAM	8	0	21.03	21.03	20.99		
3	64QAM	8	4	20.86	21.09	20.98	22.5	
3	64QAM	8	7	20.97	21.07	21.03		
3	64QAM	15	0	20.95	21.05	21.06		
3	256QAM	1	0	19.88	19.99	19.88	20.5	
3	256QAM	1	8	20.13	20.03	20.09		
3	256QAM	1	14	19.84	19.96	19.89		
3	256QAM	8	0	19.78	19.83	19.79	20.5	
3	256QAM	8	4	19.72	19.75	19.73		
3	256QAM	8	7	19.72	19.77	19.76		
3	256QAM	15	0	19.65	19.87	19.77	20.5	
Channel				131979	132322	132665		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.08	21.09	21.16	22.9	
1.4	QPSK	1	3	21.03	21.16	21.13		
1.4	QPSK	1	5	20.96	21.02	21.00		
1.4	QPSK	3	0	21.14	21.18	21.09		
1.4	QPSK	3	1	21.00	21.22	21.07		
1.4	QPSK	3	3	21.10	21.12	21.13	22.9	
1.4	QPSK	6	0	21.11	21.15	21.15		
1.4	16QAM	1	0	20.99	20.99	21.09		
1.4	16QAM	1	3	20.99	21.03	20.95	22.9	
1.4	16QAM	1	5	20.92	20.91	20.97		
1.4	16QAM	3	0	21.01	21.17	21.13		
1.4	16QAM	3	1	21.03	20.95	21.01		
1.4	16QAM	3	3	20.97	21.02	20.98		
1.4	16QAM	6	0	21.04	21.12	20.93	22.9	
1.4	64QAM	1	0	21.01	21.08	21.06	22.9	
1.4	64QAM	1	3	21.09	20.95	20.96		
1.4	64QAM	1	5	20.90	20.90	20.98		
1.4	64QAM	3	0	21.09	21.00	20.98		
1.4	64QAM	3	1	20.91	21.14	20.93		
1.4	64QAM	3	3	20.99	21.04	20.99	22.5	
1.4	64QAM	6	0	20.96	21.08	21.08		
1.4	256QAM	1	0	19.90	20.01	19.95		
1.4	256QAM	1	3	20.05	20.09	20.04	20.5	
1.4	256QAM	1	5	19.81	19.90	19.87		
1.4	256QAM	3	0	19.73	19.87	19.83		
1.4	256QAM	3	1	19.71	19.76	19.78		
1.4	256QAM	3	3	19.74	19.82	19.81		
1.4	256QAM	6	0	19.66	19.89	19.81	20.5	



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.15	21.18	21.18	22.2
20	QPSK	1	49	21.05	21.17	21.15	
20	QPSK	1	99	21.05	21.07	21.05	
20	QPSK	50	0	21.20	21.25	21.19	22.2
20	QPSK	50	24	21.10	21.22	21.09	
20	QPSK	50	50	21.11	21.20	21.16	
20	QPSK	100	0	21.20	21.21	21.17	22.2
20	16QAM	1	0	21.06	21.03	21.15	
20	16QAM	1	49	20.95	21.07	21.05	
20	16QAM	1	99	20.96	20.90	20.98	22.2
20	16QAM	50	0	21.10	21.19	21.18	
20	16QAM	50	24	21.07	21.03	20.98	
20	16QAM	50	50	21.02	21.11	20.98	22.2
20	16QAM	100	0	21.06	21.12	21.02	
20	64QAM	1	0	21.08	21.10	21.14	
20	64QAM	1	49	21.09	21.05	21.06	22.2
20	64QAM	1	99	20.95	20.94	21.04	
20	64QAM	50	0	21.09	21.06	21.05	
20	64QAM	50	24	20.94	21.17	20.99	22.2
20	64QAM	50	50	21.06	21.07	21.06	
20	64QAM	100	0	21.00	21.11	21.12	
20	256QAM	1	0	19.95	20.01	19.95	20.5
20	256QAM	1	49	20.13	20.10	20.09	
20	256QAM	1	99	19.90	19.96	19.89	
20	256QAM	50	0	19.81	19.87	19.85	20.5
20	256QAM	50	24	19.75	19.82	19.80	
20	256QAM	50	50	19.80	19.83	19.84	
20	256QAM	100	0	19.75	19.90	19.86	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.09	21.16	21.15	22.2
15	QPSK	1	37	21.05	21.17	21.08	
15	QPSK	1	74	21.02	20.97	21.03	
15	QPSK	36	0	21.20	21.17	21.10	22.2
15	QPSK	36	20	21.05	21.17	21.09	
15	QPSK	36	39	21.01	21.14	21.16	
15	QPSK	75	0	21.19	21.16	21.13	22.2
15	16QAM	1	0	21.00	21.01	21.11	
15	16QAM	1	37	20.93	21.00	21.05	
15	16QAM	1	74	20.92	21.00	20.98	22.2
15	16QAM	36	0	21.10	21.10	21.12	
15	16QAM	36	20	21.00	21.03	20.97	
15	16QAM	36	39	21.01	21.08	20.92	22.2
15	16QAM	75	0	21.01	21.02	20.99	
15	64QAM	1	0	20.98	21.07	21.07	
15	64QAM	1	37	21.03	20.95	21.03	22.2
15	64QAM	1	74	20.89	20.89	21.01	
15	64QAM	36	0	20.99	20.98	20.95	
15	64QAM	36	20	20.90	21.09	20.90	22.2
15	64QAM	36	39	21.05	20.97	21.04	
15	64QAM	75	0	20.99	21.03	21.07	
15	256QAM	1	0	19.86	19.95	19.89	20.5
15	256QAM	1	37	20.05	20.01	20.09	
15	256QAM	1	74	19.85	19.92	19.79	
15	256QAM	36	0	19.78	19.86	19.82	20.5
15	256QAM	36	20	19.67	19.82	19.75	
15	256QAM	36	39	19.73	19.78	19.81	



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15	256QAM	75	0	19.74	19.81	19.80	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.12	21.10	21.11	22.2
10	QPSK	1	25	20.96	21.10	21.12	
10	QPSK	1	49	21.00	20.98	20.97	
10	QPSK	25	0	21.19	21.15	21.19	22.2
10	QPSK	25	12	21.01	21.16	21.03	
10	QPSK	25	25	21.01	21.15	21.10	
10	QPSK	50	0	21.10	21.19	21.12	22.2
10	16QAM	1	0	21.01	21.01	21.07	
10	16QAM	1	25	21.01	21.03	20.99	
10	16QAM	1	49	20.91	21.01	20.93	22.2
10	16QAM	25	0	21.05	21.12	21.17	
10	16QAM	25	12	20.98	20.93	20.94	
10	16QAM	25	25	20.97	21.04	20.90	22.2
10	16QAM	50	0	21.04	21.04	21.00	
10	64QAM	1	0	21.06	21.00	21.08	
10	64QAM	1	25	21.02	21.02	21.03	22.2
10	64QAM	1	49	20.93	20.89	20.96	
10	64QAM	25	0	21.08	21.06	20.97	
10	64QAM	25	12	20.94	21.14	20.89	22.2
10	64QAM	25	25	21.04	21.04	21.03	
10	64QAM	50	0	20.97	21.11	21.05	
10	256QAM	1	0	19.95	19.91	19.94	20.5
10	256QAM	1	25	20.11	20.03	20.03	
10	256QAM	1	49	19.83	19.94	19.83	
10	256QAM	25	0	19.79	19.79	19.84	20.5
10	256QAM	25	12	19.65	19.76	19.71	
10	256QAM	25	25	19.78	19.79	19.80	
10	256QAM	50	0	19.65	19.80	19.77	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.15	21.09	21.13	22.2
5	QPSK	1	12	21.01	21.15	21.08	
5	QPSK	1	24	20.97	20.98	21.01	
5	QPSK	12	0	21.18	21.22	21.15	22.2
5	QPSK	12	7	21.03	21.14	21.07	
5	QPSK	12	13	21.02	21.13	21.10	
5	QPSK	25	0	21.20	21.21	21.11	22.2
5	16QAM	1	0	20.98	20.93	21.10	
5	16QAM	1	12	20.92	21.07	21.01	
5	16QAM	1	24	20.97	20.92	20.96	22.2
5	16QAM	12	0	21.05	21.19	21.08	
5	16QAM	12	7	20.99	21.03	20.94	
5	16QAM	12	13	20.96	21.06	20.97	22.2
5	16QAM	25	0	21.05	21.02	20.93	
5	64QAM	1	0	20.98	21.09	21.13	
5	64QAM	1	12	21.06	21.04	21.01	22.2
5	64QAM	1	24	20.95	20.92	20.94	
5	64QAM	12	0	21.02	21.06	21.00	
5	64QAM	12	7	20.86	21.16	20.99	22.2
5	64QAM	12	13	21.02	20.98	20.96	
5	64QAM	25	0	20.90	21.07	21.12	
5	256QAM	1	0	19.86	19.97	19.93	20.5
5	256QAM	1	12	20.06	20.03	20.05	
5	256QAM	1	24	19.88	19.90	19.84	
5	256QAM	12	0	19.78	19.86	19.75	20.5
5	256QAM	12	7	19.75	19.76	19.71	
5	256QAM	12	13	19.70	19.74	19.79	
5	256QAM	25	0	19.69	19.87	19.86	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	21.09	21.11	21.17	22.2	
3	QPSK	1	8	20.98	21.10	21.12		
3	QPSK	1	14	20.95	21.04	21.02		
3	QPSK	8	0	21.15	21.16	21.19	22.2	
3	QPSK	8	4	21.00	21.17	20.99		
3	QPSK	8	7	21.05	21.11	21.15		
3	QPSK	15	0	21.15	21.19	21.08	22.2	
3	16QAM	1	0	20.98	21.01	21.10		
3	16QAM	1	8	20.94	21.01	20.97		
3	16QAM	1	14	20.99	20.96	20.95	22.2	
3	16QAM	8	0	21.07	21.17	21.18		
3	16QAM	8	4	21.05	21.02	21.02		
3	16QAM	8	7	20.96	21.04	20.95	22.2	
3	16QAM	15	0	21.06	21.10	20.98		
3	64QAM	1	0	21.08	21.00	21.04		
3	64QAM	1	8	20.99	20.95	20.98	22.2	
3	64QAM	1	14	20.90	20.90	20.99		
3	64QAM	8	0	21.03	21.03	20.99		
3	64QAM	8	4	20.86	21.09	20.98	22.2	
3	64QAM	8	7	20.97	21.07	21.03		
3	64QAM	15	0	20.95	21.05	21.06		
3	256QAM	1	0	19.88	19.99	19.88	20.5	
3	256QAM	1	8	20.13	20.03	20.09		
3	256QAM	1	14	19.84	19.96	19.89		
3	256QAM	8	0	19.78	19.83	19.79	20.5	
3	256QAM	8	4	19.72	19.75	19.73		
3	256QAM	8	7	19.72	19.77	19.76		
3	256QAM	15	0	19.65	19.87	19.77	20.5	
Channel				131979	132322	132665		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.08	21.09	21.16	22.2	
1.4	QPSK	1	3	21.03	21.16	21.13		
1.4	QPSK	1	5	20.96	21.02	21.00		
1.4	QPSK	3	0	21.14	21.18	21.09		
1.4	QPSK	3	1	21.00	21.22	21.07		
1.4	QPSK	3	3	21.10	21.12	21.13	22.2	
1.4	QPSK	6	0	21.11	21.15	21.15		
1.4	16QAM	1	0	20.99	20.99	21.09		
1.4	16QAM	1	3	20.99	21.03	20.95	22.2	
1.4	16QAM	1	5	20.92	20.91	20.97		
1.4	16QAM	3	0	21.01	21.17	21.13		
1.4	16QAM	3	1	21.03	20.95	21.01		
1.4	16QAM	3	3	20.97	21.02	20.98		
1.4	16QAM	6	0	21.04	21.12	20.93	22.2	
1.4	64QAM	1	0	21.01	21.08	21.06	22.2	
1.4	64QAM	1	3	21.09	20.95	20.96		
1.4	64QAM	1	5	20.87	20.88	20.98		
1.4	64QAM	3	0	21.09	21.00	20.98		
1.4	64QAM	3	1	20.91	21.14	20.93		
1.4	64QAM	3	3	20.99	21.04	20.99	22.2	
1.4	64QAM	6	0	20.96	21.08	21.08		
1.4	256QAM	1	0	19.90	20.01	19.95		
1.4	256QAM	1	3	20.05	20.09	20.04	20.5	
1.4	256QAM	1	5	19.81	19.90	19.87		
1.4	256QAM	3	0	19.73	19.87	19.83		
1.4	256QAM	3	1	19.71	19.76	19.78		
1.4	256QAM	3	3	19.74	19.82	19.81		
1.4	256QAM	6	0	19.66	19.89	19.81	20.5	



<LTE Band 66_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.50	24.65	24.62	25.5
20	QPSK	1	49	24.49	24.54	24.52	
20	QPSK	1	99	24.48	24.28	24.12	
20	QPSK	50	0	23.46	23.51	23.50	24.5
20	QPSK	50	24	23.45	23.44	23.42	
20	QPSK	50	50	23.44	23.36	23.26	
20	QPSK	100	0	23.53	23.54	23.43	24.5
20	16QAM	1	0	23.66	23.73	23.94	
20	16QAM	1	49	23.80	23.74	23.69	
20	16QAM	1	99	23.71	23.45	23.31	23.5
20	16QAM	50	0	22.46	22.46	22.55	
20	16QAM	50	24	22.50	22.43	22.41	
20	16QAM	50	50	22.51	22.35	22.23	23.5
20	16QAM	100	0	22.48	22.40	22.39	
20	64QAM	1	0	22.50	22.59	22.82	
20	64QAM	1	49	22.58	22.67	22.43	23.5
20	64QAM	1	99	22.67	22.45	22.17	
20	64QAM	50	0	21.48	21.50	21.59	
20	64QAM	50	24	21.52	21.47	21.45	22.5
20	64QAM	50	50	21.54	21.39	21.28	
20	64QAM	100	0	21.46	21.41	21.42	
20	256QAM	1	0	19.43	19.36	19.58	20.5
20	256QAM	1	49	19.19	19.41	19.28	
20	256QAM	1	99	19.17	19.35	19.21	
20	256QAM	50	0	19.30	19.38	19.33	20.5
20	256QAM	50	24	19.27	19.37	19.29	
20	256QAM	50	50	19.30	19.32	19.29	
20	256QAM	100	0	19.25	19.35	19.32	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.09	24.21	24.52	25.5
15	QPSK	1	37	24.50	24.51	24.55	
15	QPSK	1	74	24.45	24.28	24.14	
15	QPSK	36	0	23.41	23.38	23.53	24.5
15	QPSK	36	20	23.53	23.42	23.39	
15	QPSK	36	39	23.59	23.39	23.30	
15	QPSK	75	0	23.55	23.34	23.44	24.5
15	16QAM	1	0	23.80	23.77	23.87	
15	16QAM	1	37	23.77	23.54	23.66	
15	16QAM	1	74	23.84	23.51	23.40	23.5
15	16QAM	36	0	22.50	22.46	22.52	
15	16QAM	36	20	22.52	22.44	22.42	
15	16QAM	36	39	22.53	22.37	22.29	23.5
15	16QAM	75	0	22.53	22.46	22.41	
15	64QAM	1	0	22.53	22.56	22.84	
15	64QAM	1	37	22.58	22.59	22.38	23.5
15	64QAM	1	74	22.84	22.64	22.28	
15	64QAM	36	0	21.50	21.46	21.54	
15	64QAM	36	20	21.53	21.42	21.43	22.5
15	64QAM	36	39	21.53	21.40	21.31	
15	64QAM	75	0	21.49	21.43	21.40	
15	256QAM	1	0	19.41	19.14	19.49	20.5
15	256QAM	1	37	19.12	19.25	19.25	
15	256QAM	1	74	19.10	19.21	19.16	
15	256QAM	36	0	19.29	19.30	19.25	20.5
15	256QAM	36	20	19.20	19.28	19.24	
15	256QAM	36	39	19.29	19.21	19.23	



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15	256QAM	75	0	19.23	19.29	19.23	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.23	24.28	24.50	25.5
10	QPSK	1	25	24.28	24.27	24.29	
10	QPSK	1	49	24.44	24.33	24.19	
10	QPSK	25	0	23.46	23.39	23.51	24.5
10	QPSK	25	12	23.56	23.45	23.42	
10	QPSK	25	25	23.57	23.44	23.35	
10	QPSK	50	0	23.53	23.31	23.44	24.5
10	16QAM	1	0	23.72	23.69	23.78	
10	16QAM	1	25	23.67	23.52	23.58	
10	16QAM	1	49	23.74	23.54	23.43	23.5
10	16QAM	25	0	22.54	22.50	22.51	
10	16QAM	25	12	22.57	22.49	22.46	
10	16QAM	25	25	22.56	22.44	22.36	23.5
10	16QAM	50	0	22.52	22.41	22.38	
10	64QAM	1	0	22.48	22.55	22.76	
10	64QAM	1	25	22.58	22.58	22.29	23.5
10	64QAM	1	49	22.78	22.63	22.36	
10	64QAM	25	0	21.52	21.47	21.51	
10	64QAM	25	12	21.54	21.40	21.45	22.5
10	64QAM	25	25	21.54	21.42	21.34	
10	64QAM	50	0	21.53	21.46	21.47	
10	256QAM	1	0	19.35	19.11	19.58	20.5
10	256QAM	1	25	19.24	19.22	19.19	
10	256QAM	1	49	19.23	19.22	19.07	
10	256QAM	25	0	19.26	19.28	19.19	20.5
10	256QAM	25	12	19.14	19.29	19.15	
10	256QAM	25	25	19.18	19.25	19.20	
10	256QAM	50	0	19.20	19.32	19.29	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.25	24.24	24.46	25.5
5	QPSK	1	12	24.51	24.48	24.56	
5	QPSK	1	24	24.50	24.47	24.40	
5	QPSK	12	0	23.42	23.35	23.46	24.5
5	QPSK	12	7	23.52	23.43	23.39	
5	QPSK	12	13	23.54	23.44	23.40	
5	QPSK	25	0	23.54	23.32	23.45	24.5
5	16QAM	1	0	23.84	23.74	23.76	
5	16QAM	1	12	23.76	23.55	23.62	
5	16QAM	1	24	23.81	23.63	23.60	23.5
5	16QAM	12	0	22.52	22.41	22.43	
5	16QAM	12	7	22.51	22.42	22.40	
5	16QAM	12	13	22.53	22.40	22.38	23.5
5	16QAM	25	0	22.54	22.45	22.46	
5	64QAM	1	0	22.48	22.61	22.70	
5	64QAM	1	12	22.58	22.70	22.27	23.5
5	64QAM	1	24	22.78	22.72	22.45	
5	64QAM	12	0	21.53	21.39	21.48	
5	64QAM	12	7	21.56	21.38	21.46	22.5
5	64QAM	12	13	21.58	21.39	21.41	
5	64QAM	25	0	21.53	21.46	21.43	
5	256QAM	1	0	19.36	19.11	19.51	20.5
5	256QAM	1	12	19.20	19.22	19.23	
5	256QAM	1	24	19.13	19.21	19.16	
5	256QAM	12	0	19.30	19.33	19.15	20.5
5	256QAM	12	7	19.16	19.27	19.22	
5	256QAM	12	13	19.18	19.21	19.19	
5	256QAM	25	0	19.25	19.27	19.24	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	24.29	24.29	24.48	25.5
3	QPSK	1	8	24.30	24.27	24.34	
3	QPSK	1	14	24.42	24.39	24.35	
3	QPSK	8	0	23.38	23.30	23.38	24.5
3	QPSK	8	4	23.53	23.42	23.39	
3	QPSK	8	7	23.51	23.42	23.36	
3	QPSK	15	0	23.48	23.28	23.41	24.5
3	16QAM	1	0	23.94	23.83	23.81	
3	16QAM	1	8	23.76	23.63	23.62	
3	16QAM	1	14	23.85	23.74	23.65	23.5
3	16QAM	8	0	22.49	22.38	22.40	
3	16QAM	8	4	22.56	22.40	22.42	
3	16QAM	8	7	22.52	22.38	22.36	23.5
3	16QAM	15	0	22.50	22.38	22.38	
3	64QAM	1	0	22.51	22.54	22.54	
3	64QAM	1	8	22.51	22.57	22.26	22.5
3	64QAM	1	14	22.72	22.67	22.43	
3	64QAM	8	0	21.49	21.39	21.45	
3	64QAM	8	4	21.50	21.33	21.44	20.5
3	64QAM	8	7	21.47	21.34	21.40	
3	64QAM	15	0	21.52	21.36	21.41	
3	256QAM	1	0	19.35	19.18	19.56	20.5
3	256QAM	1	8	19.22	19.21	19.23	
3	256QAM	1	14	19.09	19.17	19.09	
3	256QAM	8	0	19.27	19.33	19.21	20.5
3	256QAM	8	4	19.22	19.28	19.19	
3	256QAM	8	7	19.16	19.29	19.20	
3	256QAM	15	0	19.24	19.33	19.26	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.49	24.38	24.37	25.5
1.4	QPSK	1	3	24.38	24.27	24.21	
1.4	QPSK	1	5	24.52	24.39	24.33	
1.4	QPSK	3	0	24.47	24.36	24.29	
1.4	QPSK	3	1	24.47	24.33	24.33	
1.4	QPSK	3	3	24.46	24.34	24.29	24.5
1.4	QPSK	6	0	23.48	23.34	23.32	
1.4	16QAM	1	0	23.81	23.64	23.63	
1.4	16QAM	1	3	23.63	23.53	23.46	24.5
1.4	16QAM	1	5	23.77	23.64	23.61	
1.4	16QAM	3	0	23.49	23.43	23.40	
1.4	16QAM	3	1	23.57	23.50	23.43	
1.4	16QAM	3	3	23.51	23.37	23.35	
1.4	16QAM	6	0	22.46	22.39	22.35	23.5
1.4	64QAM	1	0	22.67	22.50	22.53	23.5
1.4	64QAM	1	3	22.59	22.36	22.39	
1.4	64QAM	1	5	22.67	22.50	22.49	
1.4	64QAM	3	0	22.63	22.49	22.43	
1.4	64QAM	3	1	22.57	22.47	22.44	
1.4	64QAM	3	3	22.54	22.40	22.38	22.5
1.4	64QAM	6	0	21.48	21.33	21.33	
1.4	256QAM	1	0	19.38	19.11	19.49	
1.4	256QAM	1	3	19.24	19.19	19.17	20.5
1.4	256QAM	1	5	19.12	19.17	19.13	
1.4	256QAM	3	0	19.19	19.25	19.23	
1.4	256QAM	3	1	19.21	19.27	19.22	
1.4	256QAM	3	3	19.22	19.30	19.28	
1.4	256QAM	6	0	19.23	19.24	19.23	20.5



<LTE Band 66_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.50	24.65	24.62	25.3
20	QPSK	1	49	24.49	24.54	24.52	
20	QPSK	1	99	24.48	24.28	24.12	
20	QPSK	50	0	23.46	23.51	23.50	24.3
20	QPSK	50	24	23.45	23.44	23.42	
20	QPSK	50	50	23.44	23.36	23.26	
20	QPSK	100	0	23.53	23.54	23.43	24.3
20	16QAM	1	0	23.66	23.73	23.94	
20	16QAM	1	49	23.80	23.74	23.69	
20	16QAM	1	99	23.71	23.45	23.31	23.3
20	16QAM	50	0	22.46	22.46	22.55	
20	16QAM	50	24	22.50	22.43	22.41	
20	16QAM	50	50	22.51	22.35	22.23	23.3
20	16QAM	100	0	22.48	22.40	22.39	
20	64QAM	1	0	22.50	22.59	22.82	
20	64QAM	1	49	22.58	22.67	22.43	23.3
20	64QAM	1	99	22.67	22.45	22.17	
20	64QAM	50	0	21.48	21.50	21.59	
20	64QAM	50	24	21.52	21.47	21.45	22.3
20	64QAM	50	50	21.54	21.39	21.28	
20	64QAM	100	0	21.46	21.41	21.42	
20	256QAM	1	0	19.43	19.36	19.58	20.3
20	256QAM	1	49	19.19	19.41	19.28	
20	256QAM	1	99	19.17	19.35	19.21	
20	256QAM	50	0	19.30	19.38	19.33	20.3
20	256QAM	50	24	19.27	19.37	19.29	
20	256QAM	50	50	19.30	19.32	19.29	
20	256QAM	100	0	19.25	19.35	19.32	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.09	24.21	24.52	25.3
15	QPSK	1	37	24.50	24.51	24.55	
15	QPSK	1	74	24.45	24.28	24.14	
15	QPSK	36	0	23.41	23.38	23.53	24.3
15	QPSK	36	20	23.53	23.42	23.39	
15	QPSK	36	39	23.59	23.39	23.30	
15	QPSK	75	0	23.55	23.34	23.44	24.3
15	16QAM	1	0	23.80	23.77	23.87	
15	16QAM	1	37	23.77	23.54	23.66	
15	16QAM	1	74	23.84	23.51	23.40	23.3
15	16QAM	36	0	22.50	22.46	22.52	
15	16QAM	36	20	22.52	22.44	22.42	
15	16QAM	36	39	22.53	22.37	22.29	23.3
15	16QAM	75	0	22.53	22.46	22.41	
15	64QAM	1	0	22.53	22.56	22.84	
15	64QAM	1	37	22.58	22.59	22.38	23.3
15	64QAM	1	74	22.84	22.64	22.28	
15	64QAM	36	0	21.50	21.46	21.54	
15	64QAM	36	20	21.53	21.42	21.43	22.3
15	64QAM	36	39	21.53	21.40	21.31	
15	64QAM	75	0	21.49	21.43	21.40	
15	256QAM	1	0	19.41	19.14	19.49	20.3
15	256QAM	1	37	19.12	19.25	19.25	
15	256QAM	1	74	19.10	19.21	19.16	
15	256QAM	36	0	19.29	19.30	19.25	20.3
15	256QAM	36	20	19.20	19.28	19.24	
15	256QAM	36	39	19.29	19.21	19.23	



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15	256QAM	75	0	19.23	19.29	19.23	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.23	24.28	24.50	25.3
10	QPSK	1	25	24.28	24.27	24.29	
10	QPSK	1	49	24.44	24.33	24.19	
10	QPSK	25	0	23.46	23.39	23.51	24.3
10	QPSK	25	12	23.56	23.45	23.42	
10	QPSK	25	25	23.57	23.44	23.35	
10	QPSK	50	0	23.53	23.31	23.44	
10	16QAM	1	0	23.72	23.69	23.78	24.3
10	16QAM	1	25	23.67	23.52	23.58	
10	16QAM	1	49	23.74	23.54	23.43	
10	16QAM	25	0	22.54	22.50	22.51	23.3
10	16QAM	25	12	22.57	22.49	22.46	
10	16QAM	25	25	22.56	22.44	22.36	
10	16QAM	50	0	22.52	22.41	22.38	
10	64QAM	1	0	22.48	22.55	22.76	23.3
10	64QAM	1	25	22.58	22.58	22.29	
10	64QAM	1	49	22.78	22.63	22.36	
10	64QAM	25	0	21.52	21.47	21.51	22.3
10	64QAM	25	12	21.54	21.40	21.45	
10	64QAM	25	25	21.54	21.42	21.34	
10	64QAM	50	0	21.53	21.46	21.47	
10	256QAM	1	0	19.35	19.11	19.58	20.3
10	256QAM	1	25	19.24	19.22	19.19	
10	256QAM	1	49	19.23	19.22	19.07	
10	256QAM	25	0	19.26	19.28	19.19	20.3
10	256QAM	25	12	19.14	19.29	19.15	
10	256QAM	25	25	19.18	19.25	19.20	
10	256QAM	50	0	19.20	19.32	19.29	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.25	24.24	24.46	25.3
5	QPSK	1	12	24.51	24.48	24.56	
5	QPSK	1	24	24.50	24.47	24.40	
5	QPSK	12	0	23.42	23.35	23.46	24.3
5	QPSK	12	7	23.52	23.43	23.39	
5	QPSK	12	13	23.54	23.44	23.40	
5	QPSK	25	0	23.54	23.32	23.45	
5	16QAM	1	0	23.84	23.74	23.76	24.3
5	16QAM	1	12	23.76	23.55	23.62	
5	16QAM	1	24	23.81	23.63	23.60	
5	16QAM	12	0	22.52	22.41	22.43	23.3
5	16QAM	12	7	22.51	22.42	22.40	
5	16QAM	12	13	22.53	22.40	22.38	
5	16QAM	25	0	22.54	22.45	22.46	
5	64QAM	1	0	22.48	22.61	22.70	23.3
5	64QAM	1	12	22.58	22.70	22.27	
5	64QAM	1	24	22.78	22.72	22.45	
5	64QAM	12	0	21.53	21.39	21.48	22.3
5	64QAM	12	7	21.56	21.38	21.46	
5	64QAM	12	13	21.58	21.39	21.41	
5	64QAM	25	0	21.53	21.46	21.43	
5	256QAM	1	0	19.36	19.11	19.51	20.3
5	256QAM	1	12	19.20	19.22	19.23	
5	256QAM	1	24	19.13	19.21	19.16	
5	256QAM	12	0	19.30	19.33	19.15	20.3
5	256QAM	12	7	19.16	19.27	19.22	
5	256QAM	12	13	19.18	19.21	19.19	
5	256QAM	25	0	19.25	19.27	19.24	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	24.29	24.29	24.48	25.3
3	QPSK	1	8	24.30	24.27	24.34	
3	QPSK	1	14	24.42	24.39	24.35	
3	QPSK	8	0	23.38	23.30	23.38	24.3
3	QPSK	8	4	23.53	23.42	23.39	
3	QPSK	8	7	23.51	23.42	23.36	
3	QPSK	15	0	23.48	23.28	23.41	24.3
3	16QAM	1	0	23.94	23.83	23.81	
3	16QAM	1	8	23.76	23.63	23.62	
3	16QAM	1	14	23.85	23.74	23.65	23.3
3	16QAM	8	0	22.49	22.38	22.40	
3	16QAM	8	4	22.56	22.40	22.42	
3	16QAM	8	7	22.52	22.38	22.36	23.3
3	16QAM	15	0	22.50	22.38	22.38	
3	64QAM	1	0	22.51	22.54	22.54	
3	64QAM	1	8	22.51	22.57	22.26	22.3
3	64QAM	1	14	22.72	22.67	22.43	
3	64QAM	8	0	21.49	21.39	21.45	
3	64QAM	8	4	21.50	21.33	21.44	20.3
3	64QAM	8	7	21.47	21.34	21.40	
3	64QAM	15	0	21.52	21.36	21.41	
3	256QAM	1	0	19.35	19.18	19.56	20.3
3	256QAM	1	8	19.22	19.21	19.23	
3	256QAM	1	14	19.09	19.17	19.09	
3	256QAM	8	0	19.27	19.33	19.21	20.3
3	256QAM	8	4	19.22	19.28	19.19	
3	256QAM	8	7	19.16	19.29	19.20	
3	256QAM	15	0	19.24	19.33	19.26	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.49	24.38	24.37	25.3
1.4	QPSK	1	3	24.38	24.27	24.21	
1.4	QPSK	1	5	24.52	24.39	24.33	
1.4	QPSK	3	0	24.47	24.36	24.29	
1.4	QPSK	3	1	24.47	24.33	24.33	
1.4	QPSK	3	3	24.46	24.34	24.29	24.3
1.4	QPSK	6	0	23.48	23.34	23.32	
1.4	16QAM	1	0	23.81	23.64	23.63	
1.4	16QAM	1	3	23.63	23.53	23.46	24.3
1.4	16QAM	1	5	23.77	23.64	23.61	
1.4	16QAM	3	0	23.49	23.43	23.40	
1.4	16QAM	3	1	23.57	23.50	23.43	
1.4	16QAM	3	3	23.51	23.37	23.35	
1.4	16QAM	6	0	22.46	22.39	22.35	23.3
1.4	64QAM	1	0	22.67	22.50	22.53	23.3
1.4	64QAM	1	3	22.59	22.36	22.39	
1.4	64QAM	1	5	22.67	22.50	22.49	
1.4	64QAM	3	0	22.63	22.49	22.43	
1.4	64QAM	3	1	22.57	22.47	22.44	
1.4	64QAM	3	3	22.54	22.40	22.38	22.3
1.4	64QAM	6	0	21.48	21.33	21.33	
1.4	256QAM	1	0	19.38	19.11	19.49	
1.4	256QAM	1	3	19.24	19.19	19.17	20.3
1.4	256QAM	1	5	19.12	19.17	19.13	
1.4	256QAM	3	0	19.19	19.25	19.23	
1.4	256QAM	3	1	19.21	19.27	19.22	
1.4	256QAM	3	3	19.22	19.30	19.28	
1.4	256QAM	6	0	19.23	19.24	19.23	20.3



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.51	20.61	20.84	21.3
20	QPSK	1	49	20.62	20.52	20.62	
20	QPSK	1	99	20.60	20.51	20.50	
20	QPSK	50	0	20.66	20.63	20.72	21.3
20	QPSK	50	24	20.58	20.58	20.58	
20	QPSK	50	50	20.65	20.52	20.52	
20	QPSK	100	0	20.57	20.59	20.58	21.3
20	16QAM	1	0	20.85	20.72	21.15	
20	16QAM	1	49	20.86	20.58	20.89	
20	16QAM	1	99	20.81	20.56	20.55	21.3
20	16QAM	50	0	20.55	20.57	20.72	
20	16QAM	50	24	20.57	20.55	20.59	
20	16QAM	50	50	20.61	20.46	20.41	21.3
20	16QAM	100	0	20.55	20.50	20.54	
20	64QAM	1	0	20.68	20.57	20.92	
20	64QAM	1	49	20.69	20.46	20.60	21.3
20	64QAM	1	99	20.71	20.49	20.42	
20	64QAM	50	0	20.59	20.61	20.71	
20	64QAM	50	24	20.62	20.57	20.60	21.3
20	64QAM	50	50	20.63	20.48	20.42	
20	64QAM	100	0	20.57	20.50	20.54	
20	256QAM	1	0	19.43	19.27	19.50	20.3
20	256QAM	1	49	19.14	19.36	19.19	
20	256QAM	1	99	19.14	19.25	19.13	
20	256QAM	50	0	19.27	19.33	19.29	20.3
20	256QAM	50	24	19.24	19.33	19.26	
20	256QAM	50	50	19.21	19.22	19.24	
20	256QAM	100	0	19.21	19.27	19.26	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.49	20.60	20.74	21.3
15	QPSK	1	37	20.56	20.49	20.55	
15	QPSK	1	74	20.52	20.42	20.47	
15	QPSK	36	0	20.66	20.61	20.65	21.3
15	QPSK	36	20	20.48	20.58	20.58	
15	QPSK	36	39	20.63	20.42	20.47	
15	QPSK	75	0	20.53	20.53	20.51	21.3
15	16QAM	1	0	20.76	20.72	21.11	
15	16QAM	1	37	20.85	20.56	20.82	
15	16QAM	1	74	20.74	20.46	20.51	21.3
15	16QAM	36	0	20.52	20.48	20.65	
15	16QAM	36	20	20.50	20.52	20.56	
15	16QAM	36	39	20.55	20.42	20.41	21.3
15	16QAM	75	0	20.48	20.50	20.50	
15	64QAM	1	0	20.68	20.49	20.86	
15	64QAM	1	37	20.63	20.42	20.52	21.3
15	64QAM	1	74	20.65	20.41	20.40	
15	64QAM	36	0	20.49	20.58	20.62	
15	64QAM	36	20	20.60	20.52	20.54	21.3
15	64QAM	36	39	20.63	20.42	20.40	
15	64QAM	75	0	20.55	20.49	20.45	
15	256QAM	1	0	19.40	19.18	19.41	20.3
15	256QAM	1	37	19.09	19.36	19.16	
15	256QAM	1	74	19.08	19.22	19.11	
15	256QAM	36	0	19.23	19.28	19.26	20.3
15	256QAM	36	20	19.16	19.25	19.22	
15	256QAM	36	39	19.15	19.15	19.19	



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15	256QAM	75	0	19.13	19.26	19.17	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.44	20.61	20.78	21.3
10	QPSK	1	25	20.58	20.50	20.55	
10	QPSK	1	49	20.55	20.48	20.46	
10	QPSK	25	0	20.56	20.60	20.71	21.3
10	QPSK	25	12	20.51	20.49	20.53	
10	QPSK	25	25	20.57	20.50	20.42	
10	QPSK	50	0	20.47	20.57	20.52	
10	16QAM	1	0	20.75	20.70	21.08	21.3
10	16QAM	1	25	20.86	20.58	20.88	
10	16QAM	1	49	20.74	20.56	20.45	
10	16QAM	25	0	20.49	20.49	20.66	21.3
10	16QAM	25	12	20.54	20.50	20.58	
10	16QAM	25	25	20.54	20.50	20.56	
10	16QAM	50	0	20.49	20.47	20.53	
10	64QAM	1	0	20.61	20.48	20.82	21.3
10	64QAM	1	25	20.61	20.42	20.54	
10	64QAM	1	49	20.70	20.42	20.42	
10	64QAM	25	0	20.57	20.54	20.70	21.3
10	64QAM	25	12	20.57	20.53	20.60	
10	64QAM	25	25	20.60	20.51	20.61	
10	64QAM	50	0	20.52	20.45	20.48	
10	256QAM	1	0	19.33	19.18	19.46	20.3
10	256QAM	1	25	19.12	19.32	19.15	
10	256QAM	1	49	19.11	19.17	19.10	
10	256QAM	25	0	19.20	19.24	19.25	20.3
10	256QAM	25	12	19.18	19.28	19.24	
10	256QAM	25	25	19.16	19.15	19.24	
10	256QAM	50	0	19.14	19.27	19.18	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.47	20.53	20.77	21.3
5	QPSK	1	12	20.55	20.44	20.55	
5	QPSK	1	24	20.58	20.43	20.43	
5	QPSK	12	0	20.62	20.62	20.66	21.3
5	QPSK	12	7	20.53	20.55	20.54	
5	QPSK	12	13	20.63	20.42	20.52	
5	QPSK	25	0	20.57	20.59	20.57	
5	16QAM	1	0	20.77	20.64	21.14	21.3
5	16QAM	1	12	20.80	20.51	20.87	
5	16QAM	1	24	20.79	20.47	20.47	
5	16QAM	12	0	20.51	20.53	20.65	21.3
5	16QAM	12	7	20.52	20.52	20.50	
5	16QAM	12	13	20.57	20.56	20.46	
5	16QAM	25	0	20.51	20.50	20.52	
5	64QAM	1	0	20.68	20.50	20.92	21.3
5	64QAM	1	12	20.60	20.49	20.51	
5	64QAM	1	24	20.70	20.51	20.50	
5	64QAM	12	0	20.56	20.58	20.61	21.3
5	64QAM	12	7	20.56	20.55	20.52	
5	64QAM	12	13	20.55	20.60	20.51	
5	64QAM	25	0	20.49	20.42	20.48	
5	256QAM	1	0	19.33	19.22	19.49	20.3
5	256QAM	1	12	19.04	19.35	19.13	
5	256QAM	1	24	19.05	19.19	19.07	
5	256QAM	12	0	19.19	19.31	19.20	20.3
5	256QAM	12	7	19.23	19.24	19.22	
5	256QAM	12	13	19.11	19.20	19.19	
5	256QAM	25	0	19.15	19.18	19.16	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	20.43	20.52	20.74	21.3
3	QPSK	1	8	20.61	20.46	20.56	
3	QPSK	1	14	20.51	20.46	20.49	
3	QPSK	8	0	20.65	20.63	20.72	21.3
3	QPSK	8	4	20.57	20.56	20.57	
3	QPSK	8	7	20.65	20.50	20.44	
3	QPSK	15	0	20.50	20.55	20.48	21.3
3	16QAM	1	0	20.84	20.69	21.10	
3	16QAM	1	8	20.79	20.55	20.84	
3	16QAM	1	14	20.80	20.51	20.45	21.3
3	16QAM	8	0	20.46	20.57	20.70	
3	16QAM	8	4	20.54	20.53	20.53	
3	16QAM	8	7	20.55	20.51	20.41	21.3
3	16QAM	15	0	20.51	20.49	20.44	
3	64QAM	1	0	20.63	20.51	20.88	
3	64QAM	1	8	20.62	20.44	20.57	21.3
3	64QAM	1	14	20.66	20.48	20.41	
3	64QAM	8	0	20.51	20.60	20.71	
3	64QAM	8	4	20.57	20.52	20.56	21.3
3	64QAM	8	7	20.62	20.57	20.61	
3	64QAM	15	0	20.50	20.47	20.51	
3	256QAM	1	0	19.41	19.22	19.40	20.3
3	256QAM	1	8	19.11	19.29	19.15	
3	256QAM	1	14	19.06	19.17	19.03	
3	256QAM	8	0	19.23	19.29	19.29	20.3
3	256QAM	8	4	19.15	19.31	19.24	
3	256QAM	8	7	19.18	19.17	19.19	
3	256QAM	15	0	19.12	19.26	19.17	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.50	20.60	20.84	21.3
1.4	QPSK	1	3	20.62	20.44	20.62	
1.4	QPSK	1	5	20.52	20.51	20.45	
1.4	QPSK	3	0	20.61	20.61	20.67	
1.4	QPSK	3	1	20.58	20.51	20.55	
1.4	QPSK	3	3	20.57	20.51	20.44	21.3
1.4	QPSK	6	0	20.52	20.58	20.51	
1.4	16QAM	1	0	20.85	20.70	21.12	21.3
1.4	16QAM	1	3	20.86	20.49	20.83	
1.4	16QAM	1	5	20.80	20.46	20.50	
1.4	16QAM	3	0	20.51	20.49	20.62	
1.4	16QAM	3	1	20.52	20.48	20.54	
1.4	16QAM	3	3	20.60	20.49	20.53	21.3
1.4	16QAM	6	0	20.51	20.49	20.45	
1.4	64QAM	1	0	20.62	20.48	20.83	21.3
1.4	64QAM	1	3	20.64	20.41	20.50	
1.4	64QAM	1	5	20.64	20.52	20.40	
1.4	64QAM	3	0	20.49	20.51	20.66	
1.4	64QAM	3	1	20.59	20.50	20.60	
1.4	64QAM	3	3	20.63	20.57	20.58	21.3
1.4	64QAM	6	0	20.50	20.43	20.50	
1.4	256QAM	1	0	19.36	19.17	19.46	20.3
1.4	256QAM	1	3	19.06	19.36	19.17	
1.4	256QAM	1	5	19.06	19.19	19.03	
1.4	256QAM	3	0	19.26	19.29	19.28	
1.4	256QAM	3	1	19.24	19.30	19.22	
1.4	256QAM	3	3	19.14	19.20	19.16	20.3
1.4	256QAM	6	0	19.12	19.23	19.25	



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.51	20.61	20.84	22
20	QPSK	1	49	20.62	20.52	20.62	
20	QPSK	1	99	20.60	20.51	20.50	
20	QPSK	50	0	20.66	20.63	20.72	22
20	QPSK	50	24	20.58	20.58	20.58	
20	QPSK	50	50	20.65	20.52	20.52	
20	QPSK	100	0	20.57	20.59	20.58	22
20	16QAM	1	0	20.85	20.72	21.15	
20	16QAM	1	49	20.86	20.58	20.89	
20	16QAM	1	99	20.81	20.56	20.55	22
20	16QAM	50	0	20.55	20.57	20.72	
20	16QAM	50	24	20.57	20.55	20.59	
20	16QAM	50	50	20.61	20.46	20.41	22
20	16QAM	100	0	20.55	20.50	20.54	
20	64QAM	1	0	20.68	20.57	20.92	
20	64QAM	1	49	20.69	20.46	20.60	22
20	64QAM	1	99	20.71	20.49	20.42	
20	64QAM	50	0	20.59	20.61	20.71	
20	64QAM	50	24	20.62	20.57	20.60	22
20	64QAM	50	50	20.63	20.48	20.42	
20	64QAM	100	0	20.57	20.50	20.54	
20	256QAM	1	0	19.43	19.27	19.50	20.5
20	256QAM	1	49	19.14	19.36	19.19	
20	256QAM	1	99	19.14	19.25	19.13	
20	256QAM	50	0	19.27	19.33	19.29	20.5
20	256QAM	50	24	19.24	19.33	19.26	
20	256QAM	50	50	19.21	19.22	19.24	
20	256QAM	100	0	19.21	19.27	19.26	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.49	20.60	20.74	22
15	QPSK	1	37	20.56	20.49	20.55	
15	QPSK	1	74	20.52	20.42	20.47	
15	QPSK	36	0	20.66	20.61	20.65	22
15	QPSK	36	20	20.48	20.58	20.58	
15	QPSK	36	39	20.63	20.42	20.47	
15	QPSK	75	0	20.53	20.53	20.51	22
15	16QAM	1	0	20.76	20.72	21.11	
15	16QAM	1	37	20.85	20.56	20.82	
15	16QAM	1	74	20.74	20.46	20.51	22
15	16QAM	36	0	20.52	20.48	20.65	
15	16QAM	36	20	20.50	20.52	20.56	
15	16QAM	36	39	20.55	20.42	20.41	22
15	16QAM	75	0	20.48	20.50	20.50	
15	64QAM	1	0	20.68	20.49	20.86	
15	64QAM	1	37	20.63	20.42	20.52	22
15	64QAM	1	74	20.65	20.41	20.40	
15	64QAM	36	0	20.49	20.58	20.62	
15	64QAM	36	20	20.60	20.52	20.54	22
15	64QAM	36	39	20.63	20.42	20.40	
15	64QAM	75	0	20.55	20.49	20.45	
15	256QAM	1	0	19.40	19.18	19.41	20.5
15	256QAM	1	37	19.09	19.36	19.16	
15	256QAM	1	74	19.08	19.22	19.11	
15	256QAM	36	0	19.23	19.28	19.26	20.5
15	256QAM	36	20	19.16	19.25	19.22	
15	256QAM	36	39	19.15	19.15	19.19	



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15	256QAM	75	0	19.13	19.26	19.17	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.44	20.61	20.78	22
10	QPSK	1	25	20.58	20.50	20.55	
10	QPSK	1	49	20.55	20.48	20.46	
10	QPSK	25	0	20.56	20.60	20.71	22
10	QPSK	25	12	20.51	20.49	20.53	
10	QPSK	25	25	20.57	20.50	20.42	
10	QPSK	50	0	20.47	20.57	20.52	22
10	16QAM	1	0	20.75	20.70	21.08	
10	16QAM	1	25	20.86	20.58	20.88	
10	16QAM	1	49	20.74	20.56	20.45	22
10	16QAM	25	0	20.49	20.49	20.66	
10	16QAM	25	12	20.54	20.50	20.58	
10	16QAM	25	25	20.54	20.50	20.56	22
10	16QAM	50	0	20.49	20.47	20.53	
10	64QAM	1	0	20.61	20.48	20.82	
10	64QAM	1	25	20.61	20.42	20.54	22
10	64QAM	1	49	20.70	20.42	20.42	
10	64QAM	25	0	20.57	20.54	20.70	
10	64QAM	25	12	20.57	20.53	20.60	22
10	64QAM	25	25	20.60	20.51	20.61	
10	64QAM	50	0	20.52	20.45	20.48	
10	256QAM	1	0	19.33	19.18	19.46	20.5
10	256QAM	1	25	19.12	19.32	19.15	
10	256QAM	1	49	19.11	19.17	19.10	
10	256QAM	25	0	19.20	19.24	19.25	20.5
10	256QAM	25	12	19.18	19.28	19.24	
10	256QAM	25	25	19.16	19.15	19.24	
10	256QAM	50	0	19.14	19.27	19.18	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.47	20.53	20.77	22
5	QPSK	1	12	20.55	20.44	20.55	
5	QPSK	1	24	20.58	20.43	20.43	
5	QPSK	12	0	20.62	20.62	20.66	22
5	QPSK	12	7	20.53	20.55	20.54	
5	QPSK	12	13	20.63	20.42	20.52	
5	QPSK	25	0	20.57	20.59	20.57	22
5	16QAM	1	0	20.77	20.64	21.14	
5	16QAM	1	12	20.80	20.51	20.87	
5	16QAM	1	24	20.79	20.47	20.47	22
5	16QAM	12	0	20.51	20.53	20.65	
5	16QAM	12	7	20.52	20.52	20.50	
5	16QAM	12	13	20.57	20.56	20.46	22
5	16QAM	25	0	20.51	20.50	20.52	
5	64QAM	1	0	20.68	20.50	20.92	
5	64QAM	1	12	20.60	20.49	20.51	22
5	64QAM	1	24	20.70	20.51	20.50	
5	64QAM	12	0	20.56	20.58	20.61	
5	64QAM	12	7	20.56	20.55	20.52	22
5	64QAM	12	13	20.55	20.60	20.51	
5	64QAM	25	0	20.49	20.42	20.48	
5	256QAM	1	0	19.33	19.22	19.49	20.5
5	256QAM	1	12	19.04	19.35	19.13	
5	256QAM	1	24	19.05	19.19	19.07	
5	256QAM	12	0	19.19	19.31	19.20	20.5
5	256QAM	12	7	19.23	19.24	19.22	
5	256QAM	12	13	19.11	19.20	19.19	
5	256QAM	25	0	19.15	19.18	19.16	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	20.43	20.52	20.74	22
3	QPSK	1	8	20.61	20.46	20.56	
3	QPSK	1	14	20.51	20.46	20.49	
3	QPSK	8	0	20.65	20.63	20.72	22
3	QPSK	8	4	20.57	20.56	20.57	
3	QPSK	8	7	20.65	20.50	20.44	
3	QPSK	15	0	20.50	20.55	20.48	22
3	16QAM	1	0	20.84	20.69	21.10	
3	16QAM	1	8	20.79	20.55	20.84	
3	16QAM	1	14	20.80	20.51	20.45	22
3	16QAM	8	0	20.46	20.57	20.70	
3	16QAM	8	4	20.54	20.53	20.53	
3	16QAM	8	7	20.55	20.51	20.41	22
3	16QAM	15	0	20.51	20.49	20.44	
3	64QAM	1	0	20.63	20.51	20.88	
3	64QAM	1	8	20.62	20.44	20.57	22
3	64QAM	1	14	20.66	20.48	20.41	
3	64QAM	8	0	20.51	20.60	20.71	
3	64QAM	8	4	20.57	20.52	20.56	22
3	64QAM	8	7	20.62	20.57	20.61	
3	64QAM	15	0	20.50	20.47	20.51	
3	256QAM	1	0	19.41	19.22	19.40	20.5
3	256QAM	1	8	19.11	19.29	19.15	
3	256QAM	1	14	19.06	19.17	19.03	
3	256QAM	8	0	19.23	19.29	19.29	20.5
3	256QAM	8	4	19.15	19.31	19.24	
3	256QAM	8	7	19.18	19.17	19.19	
3	256QAM	15	0	19.12	19.26	19.17	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.50	20.60	20.84	22
1.4	QPSK	1	3	20.62	20.44	20.62	
1.4	QPSK	1	5	20.52	20.51	20.45	
1.4	QPSK	3	0	20.61	20.61	20.67	
1.4	QPSK	3	1	20.58	20.51	20.55	
1.4	QPSK	3	3	20.57	20.51	20.44	22
1.4	QPSK	6	0	20.52	20.58	20.51	
1.4	16QAM	1	0	20.85	20.70	21.12	22
1.4	16QAM	1	3	20.86	20.49	20.83	
1.4	16QAM	1	5	20.80	20.46	20.50	
1.4	16QAM	3	0	20.51	20.49	20.62	
1.4	16QAM	3	1	20.52	20.48	20.54	
1.4	16QAM	3	3	20.60	20.49	20.53	22
1.4	16QAM	6	0	20.51	20.49	20.45	
1.4	64QAM	1	0	20.62	20.48	20.83	22
1.4	64QAM	1	3	20.64	20.41	20.50	
1.4	64QAM	1	5	20.64	20.52	20.40	
1.4	64QAM	3	0	20.49	20.51	20.66	
1.4	64QAM	3	1	20.59	20.50	20.60	
1.4	64QAM	3	3	20.63	20.57	20.58	22
1.4	64QAM	6	0	20.50	20.43	20.50	
1.4	256QAM	1	0	19.36	19.17	19.46	20.5
1.4	256QAM	1	3	19.06	19.36	19.17	
1.4	256QAM	1	5	19.06	19.19	19.03	
1.4	256QAM	3	0	19.26	19.29	19.28	
1.4	256QAM	3	1	19.24	19.30	19.22	
1.4	256QAM	3	3	19.14	19.20	19.16	20.5
1.4	256QAM	6	0	19.12	19.23	19.25	



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.51	20.61	20.84	21.3
20	QPSK	1	49	20.62	20.52	20.62	
20	QPSK	1	99	20.60	20.51	20.50	
20	QPSK	50	0	20.66	20.63	20.72	21.3
20	QPSK	50	24	20.58	20.58	20.58	
20	QPSK	50	50	20.65	20.52	20.52	
20	QPSK	100	0	20.57	20.59	20.58	21.3
20	16QAM	1	0	20.85	20.72	21.15	
20	16QAM	1	49	20.86	20.58	20.89	
20	16QAM	1	99	20.81	20.56	20.55	21.3
20	16QAM	50	0	20.55	20.57	20.72	
20	16QAM	50	24	20.57	20.55	20.59	
20	16QAM	50	50	20.61	20.46	20.41	21.3
20	16QAM	100	0	20.55	20.50	20.54	
20	64QAM	1	0	20.68	20.57	20.92	
20	64QAM	1	49	20.69	20.46	20.60	21.3
20	64QAM	1	99	20.71	20.49	20.42	
20	64QAM	50	0	20.59	20.61	20.71	
20	64QAM	50	24	20.62	20.57	20.60	21.3
20	64QAM	50	50	20.63	20.48	20.42	
20	64QAM	100	0	20.57	20.50	20.54	
20	256QAM	1	0	19.43	19.27	19.50	20.3
20	256QAM	1	49	19.14	19.36	19.19	
20	256QAM	1	99	19.14	19.25	19.13	
20	256QAM	50	0	19.27	19.33	19.29	20.3
20	256QAM	50	24	19.24	19.33	19.26	
20	256QAM	50	50	19.21	19.22	19.24	
20	256QAM	100	0	19.21	19.27	19.26	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.49	20.60	20.74	21.3
15	QPSK	1	37	20.56	20.49	20.55	
15	QPSK	1	74	20.52	20.42	20.47	
15	QPSK	36	0	20.66	20.61	20.65	21.3
15	QPSK	36	20	20.48	20.58	20.58	
15	QPSK	36	39	20.63	20.42	20.47	
15	QPSK	75	0	20.53	20.53	20.51	21.3
15	16QAM	1	0	20.76	20.72	21.11	
15	16QAM	1	37	20.85	20.56	20.82	
15	16QAM	1	74	20.74	20.46	20.51	21.3
15	16QAM	36	0	20.52	20.48	20.65	
15	16QAM	36	20	20.50	20.52	20.56	
15	16QAM	36	39	20.55	20.42	20.41	21.3
15	16QAM	75	0	20.48	20.50	20.50	
15	64QAM	1	0	20.68	20.49	20.86	
15	64QAM	1	37	20.63	20.42	20.52	21.3
15	64QAM	1	74	20.65	20.41	20.40	
15	64QAM	36	0	20.49	20.58	20.62	
15	64QAM	36	20	20.60	20.52	20.54	21.3
15	64QAM	36	39	20.63	20.42	20.40	
15	64QAM	75	0	20.55	20.49	20.45	
15	256QAM	1	0	19.40	19.18	19.41	20.3
15	256QAM	1	37	19.09	19.36	19.16	
15	256QAM	1	74	19.08	19.22	19.11	
15	256QAM	36	0	19.23	19.28	19.26	20.3
15	256QAM	36	20	19.16	19.25	19.22	
15	256QAM	36	39	19.15	19.15	19.19	



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15	256QAM	75	0	19.13	19.26	19.17	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.44	20.61	20.78	21.3
10	QPSK	1	25	20.58	20.50	20.55	
10	QPSK	1	49	20.55	20.48	20.46	
10	QPSK	25	0	20.56	20.60	20.71	21.3
10	QPSK	25	12	20.51	20.49	20.53	
10	QPSK	25	25	20.57	20.50	20.42	
10	QPSK	50	0	20.47	20.57	20.52	
10	16QAM	1	0	20.75	20.70	21.08	21.3
10	16QAM	1	25	20.86	20.58	20.88	
10	16QAM	1	49	20.74	20.56	20.45	
10	16QAM	25	0	20.49	20.49	20.66	21.3
10	16QAM	25	12	20.54	20.50	20.58	
10	16QAM	25	25	20.54	20.50	20.56	
10	16QAM	50	0	20.49	20.47	20.53	
10	64QAM	1	0	20.61	20.48	20.82	21.3
10	64QAM	1	25	20.61	20.42	20.54	
10	64QAM	1	49	20.70	20.42	20.42	
10	64QAM	25	0	20.57	20.54	20.70	21.3
10	64QAM	25	12	20.57	20.53	20.60	
10	64QAM	25	25	20.60	20.51	20.61	
10	64QAM	50	0	20.52	20.45	20.48	
10	256QAM	1	0	19.33	19.18	19.46	20.3
10	256QAM	1	25	19.12	19.32	19.15	
10	256QAM	1	49	19.11	19.17	19.10	
10	256QAM	25	0	19.20	19.24	19.25	20.3
10	256QAM	25	12	19.18	19.28	19.24	
10	256QAM	25	25	19.16	19.15	19.24	
10	256QAM	50	0	19.14	19.27	19.18	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.47	20.53	20.77	21.3
5	QPSK	1	12	20.55	20.44	20.55	
5	QPSK	1	24	20.58	20.43	20.43	
5	QPSK	12	0	20.62	20.62	20.66	21.3
5	QPSK	12	7	20.53	20.55	20.54	
5	QPSK	12	13	20.63	20.42	20.52	
5	QPSK	25	0	20.57	20.59	20.57	
5	16QAM	1	0	20.77	20.64	21.14	21.3
5	16QAM	1	12	20.80	20.51	20.87	
5	16QAM	1	24	20.79	20.47	20.47	
5	16QAM	12	0	20.51	20.53	20.65	21.3
5	16QAM	12	7	20.52	20.52	20.50	
5	16QAM	12	13	20.57	20.56	20.46	
5	16QAM	25	0	20.51	20.50	20.52	
5	64QAM	1	0	20.68	20.50	20.92	21.3
5	64QAM	1	12	20.60	20.49	20.51	
5	64QAM	1	24	20.70	20.51	20.50	
5	64QAM	12	0	20.56	20.58	20.61	21.3
5	64QAM	12	7	20.56	20.55	20.52	
5	64QAM	12	13	20.55	20.60	20.51	
5	64QAM	25	0	20.49	20.42	20.48	
5	256QAM	1	0	19.33	19.22	19.49	20.3
5	256QAM	1	12	19.04	19.35	19.13	
5	256QAM	1	24	19.05	19.19	19.07	
5	256QAM	12	0	19.19	19.31	19.20	20.3
5	256QAM	12	7	19.23	19.24	19.22	
5	256QAM	12	13	19.11	19.20	19.19	
5	256QAM	25	0	19.15	19.18	19.16	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	