



Appendix D. Output Power Measurement

GSM850_TX0 (Index 1/2/3)

Ant 0								
GSM850 TX Channel	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	848.8	
GSM 1 Tx slot	32.03	31.98	31.89	33.50	23.03	22.98	22.89	24.50
GPRS 1 Tx slot	32.04	31.98	31.90	33.50	23.04	22.98	22.90	24.50
GPRS 2 Tx slots	31.59	31.23	31.19	32.50	25.59	25.23	25.19	26.50
GPRS 3 Tx slots	30.61	30.39	30.37	31.50	26.35	26.13	26.11	27.24
GPRS 4 Tx slots	29.41	29.14	29.31	30.50	26.41	26.14	26.31	27.50
EDGE 1 Tx slot	26.91	26.82	26.93	28.00	17.91	17.82	17.93	19.00
EDGE 2 Tx slots	26.26	26.45	26.39	27.50	20.26	20.45	20.39	21.50
EDGE 3 Tx slots	26.26	26.31	26.19	27.50	22.00	22.05	21.93	23.24
EDGE 4 Tx slots	24.16	24.05	24.22	25.50	21.16	21.05	21.22	22.50

GSM850_TX0 (Index 4)

Ant 0								
GSM850 TX Channel	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	848.8	
GSM 1 Tx slot	32.03	31.98	31.89	33.50	23.03	22.98	22.89	24.50
GPRS 1 Tx slot	32.04	31.98	31.90	33.50	23.04	22.98	22.90	24.50
GPRS 2 Tx slots	31.59	31.23	31.19	32.50	25.59	25.23	25.19	26.50
GPRS 3 Tx slots	30.61	30.39	30.37	31.20	26.35	26.13	26.11	26.94
GPRS 4 Tx slots	29.41	29.14	29.31	30.00	26.41	26.14	26.31	27.00
EDGE 1 Tx slot	26.91	26.82	26.93	28.00	17.91	17.82	17.93	19.00
EDGE 2 Tx slots	26.26	26.45	26.39	27.50	20.26	20.45	20.39	21.50
EDGE 3 Tx slots	26.26	26.31	26.19	27.50	22.00	22.05	21.93	23.24
EDGE 4 Tx slots	24.16	24.05	24.22	25.50	21.16	21.05	21.22	22.50



GSM850_TX0 (Index 5)

Ant 0								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.03	31.98	31.89	33.50	23.03	22.98	22.89	24.50
GPRS 1 Tx slot	32.04	31.98	31.90	33.50	23.04	22.98	22.90	24.50
GPRS 2 Tx slots	31.59	31.23	31.19	32.50	25.59	25.23	25.19	26.50
GPRS 3 Tx slots	30.61	30.39	30.37	31.50	26.35	26.13	26.11	27.24
GPRS 4 Tx slots	29.41	29.14	29.31	30.30	26.41	26.14	26.31	27.30
EDGE 1 Tx slot	26.91	26.82	26.93	28.00	17.91	17.82	17.93	19.00
EDGE 2 Tx slots	26.26	26.45	26.39	27.50	20.26	20.45	20.39	21.50
EDGE 3 Tx slots	26.26	26.31	26.19	27.50	22.00	22.05	21.93	23.24
EDGE 4 Tx slots	24.16	24.05	24.22	25.50	21.16	21.05	21.22	22.50

GSM850_TX0 (Index 6)

Ant 0								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.03	31.98	31.89	33.50	23.03	22.98	22.89	24.50
GPRS 1 Tx slot	32.04	31.98	31.90	33.50	23.04	22.98	22.90	24.50
GPRS 2 Tx slots	31.59	31.23	31.19	32.50	25.59	25.23	25.19	26.50
GPRS 3 Tx slots	30.61	30.39	30.37	30.70	26.35	26.13	26.11	26.44
GPRS 4 Tx slots	29.41	29.14	29.31	29.50	26.41	26.14	26.31	26.50
EDGE 1 Tx slot	26.91	26.82	26.93	28.00	17.91	17.82	17.93	19.00
EDGE 2 Tx slots	26.26	26.45	26.39	27.50	20.26	20.45	20.39	21.50
EDGE 3 Tx slots	26.26	26.31	26.19	27.50	22.00	22.05	21.93	23.24
EDGE 4 Tx slots	24.16	24.05	24.22	25.50	21.16	21.05	21.22	22.50



GSM850_TX1 (Index 1/4/5/6)

Ant 1								
GSM850 TX Channel	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	848.8	
GSM 1 Tx slot	31.25	31.00	31.01	33.00	22.25	22.00	22.01	24.00
GPRS 1 Tx slot	31.32	31.03	31.06	33.00	22.32	22.03	22.06	24.00
GPRS 2 Tx slots	30.84	30.81	30.73	32.50	24.84	24.81	24.73	26.50
GPRS 3 Tx slots	29.60	29.51	29.42	30.50	25.34	25.25	25.16	26.24
GPRS 4 Tx slots	28.41	28.22	28.07	29.00	25.41	25.22	25.07	26.00
EDGE 1 Tx slot	26.15	26.10	26.18	27.50	17.15	17.10	17.18	18.50
EDGE 2 Tx slots	25.71	25.61	25.69	27.00	19.71	19.61	19.69	21.00
EDGE 3 Tx slots	25.69	25.66	25.51	27.00	21.43	21.40	21.25	22.74
EDGE 4 Tx slots	23.11	23.24	23.20	24.00	20.11	20.24	20.20	21.00

GSM850_TX1 (Index 2)

Ant 1								
GSM850 TX Channel	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	848.8	
GSM 1 Tx slot	31.25	31.00	31.01	33.00	22.25	22.00	22.01	24.00
GPRS 1 Tx slot	31.32	31.03	31.06	33.00	22.32	22.03	22.06	24.00
GPRS 2 Tx slots	29.12	28.88	28.95	30.60	23.12	22.88	22.95	24.60
GPRS 3 Tx slots	27.32	27.02	27.10	28.80	23.06	22.76	22.84	24.54
GPRS 4 Tx slots	26.66	26.52	26.23	27.60	23.66	23.52	23.23	24.60
EDGE 1 Tx slot	26.15	26.10	26.18	27.50	17.15	17.10	17.18	18.50
EDGE 2 Tx slots	25.71	25.61	25.69	27.00	19.71	19.61	19.69	21.00
EDGE 3 Tx slots	25.69	25.66	25.51	27.00	21.43	21.40	21.25	22.74
EDGE 4 Tx slots	23.11	23.24	23.20	24.00	20.11	20.24	20.20	21.00

GSM850_TX1 (Index 3)

Ant 1								
GSM850 TX Channel	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	848.8	
GSM 1 Tx slot	31.25	31.00	31.01	32.80	22.25	22.00	22.01	23.80
GPRS 1 Tx slot	31.32	31.03	31.06	32.80	22.32	22.03	22.06	23.80
GPRS 2 Tx slots	29.12	28.88	28.95	29.80	23.12	22.88	22.95	23.80
GPRS 3 Tx slots	27.32	27.02	27.10	28.00	23.06	22.76	22.84	23.74
GPRS 4 Tx slots	26.66	26.52	26.23	26.80	23.66	23.52	23.23	23.80
EDGE 1 Tx slot	26.15	26.10	26.18	27.50	17.15	17.10	17.18	18.50
EDGE 2 Tx slots	25.71	25.61	25.69	27.00	19.71	19.61	19.69	21.00
EDGE 3 Tx slots	25.69	25.66	25.51	27.00	21.43	21.40	21.25	22.74
EDGE 4 Tx slots	23.11	23.24	23.20	24.00	20.11	20.24	20.20	21.00



GSM1900_TX0 (Index 1/2/3)

Ant 2								
GSM1900	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	30.10	29.89	29.81	30.50	21.10	20.89	20.81	21.50
GPRS 1 Tx slot	30.12	29.94	29.83	30.50	21.12	20.94	20.83	21.50
GPRS 2 Tx slots	28.96	29.10	28.95	29.50	22.96	23.10	22.95	23.50
GPRS 3 Tx slots	27.65	27.55	27.62	29.00	23.39	23.29	23.36	24.74
GPRS 4 Tx slots	26.68	26.79	26.84	28.00	23.68	23.79	23.84	25.00
EDGE 1 Tx slot	25.47	25.36	25.59	26.00	16.47	16.36	16.59	17.00
EDGE 2 Tx slots	23.64	23.62	23.55	25.00	17.64	17.62	17.55	19.00
EDGE 3 Tx slots	23.46	23.65	23.65	25.00	19.20	19.39	19.39	20.74
EDGE 4 Tx slots	22.20	22.61	22.46	24.00	19.20	19.61	19.46	21.00

GSM1900_TX0 (Index 4/5)

Ant 2								
GSM1900	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	30.10	29.89	29.81	30.50	21.10	20.89	20.81	21.50
GPRS 1 Tx slot	30.12	29.94	29.83	30.50	21.12	20.94	20.83	21.50
GPRS 2 Tx slots	27.87	28.00	28.11	29.00	21.87	22.00	22.11	23.00
GPRS 3 Tx slots	26.19	26.31	26.29	27.20	21.93	22.05	22.03	22.94
GPRS 4 Tx slots	24.87	24.97	25.01	26.00	21.87	21.97	22.01	23.00
EDGE 1 Tx slot	25.47	25.36	25.59	26.00	16.47	16.36	16.59	17.00
EDGE 2 Tx slots	23.64	23.62	23.55	25.00	17.64	17.62	17.55	19.00
EDGE 3 Tx slots	23.46	23.65	23.65	25.00	19.20	19.39	19.39	20.74
EDGE 4 Tx slots	22.20	22.61	22.46	24.00	19.20	19.61	19.46	21.00

GSM1900_TX0 (Index 6)

Ant 2								
GSM1900	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	30.10	29.89	29.81	30.50	21.10	20.89	20.81	21.50
GPRS 1 Tx slot	30.12	29.94	29.83	30.50	21.12	20.94	20.83	21.50
GPRS 2 Tx slots	27.87	28.00	28.11	28.20	21.87	22.00	22.11	22.20
GPRS 3 Tx slots	26.19	26.31	26.29	26.40	21.93	22.05	22.03	22.14
GPRS 4 Tx slots	24.87	24.97	25.01	25.20	21.87	21.97	22.01	22.20
EDGE 1 Tx slot	25.47	25.36	25.59	26.00	16.47	16.36	16.59	17.00
EDGE 2 Tx slots	23.64	23.62	23.55	25.00	17.64	17.62	17.55	19.00
EDGE 3 Tx slots	23.46	23.65	23.65	25.00	19.20	19.39	19.39	20.74
EDGE 4 Tx slots	22.20	22.61	22.46	24.00	19.20	19.61	19.46	21.00



GSM1900_TX1 (Index 1/2/3)

Ant 0								
GSM1900	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	28.75	29.00	28.91	30.00	19.75	20.00	19.91	21.00
GPRS 1 Tx slot	28.84	29.02	28.92	30.00	19.84	20.02	19.92	21.00
GPRS 2 Tx slots	27.77	27.95	28.13	29.50	21.77	21.95	22.13	23.50
GPRS 3 Tx slots	26.82	26.75	26.98	28.50	22.56	22.49	22.72	24.24
GPRS 4 Tx slots	25.86	26.01	26.10	27.70	22.86	23.01	23.10	24.70
EDGE 1 Tx slot	24.63	24.63	24.93	26.00	15.63	15.63	15.93	17.00
EDGE 2 Tx slots	22.98	23.29	23.63	24.80	16.98	17.29	17.63	18.80
EDGE 3 Tx slots	23.06	23.09	23.67	24.80	18.80	18.83	19.41	20.54
EDGE 4 Tx slots	21.43	21.72	21.79	23.80	18.43	18.72	18.79	20.80

GSM1900_TX1 (Index 4/5)

Ant 0								
GSM1900	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	28.75	29.00	28.91	30.00	19.75	20.00	19.91	21.00
GPRS 1 Tx slot	28.84	29.02	28.92	30.00	19.84	20.02	19.92	21.00
GPRS 2 Tx slots	27.77	27.95	28.13	29.50	21.77	21.95	22.13	23.50
GPRS 3 Tx slots	26.82	26.75	26.98	28.10	22.56	22.49	22.72	23.84
GPRS 4 Tx slots	25.86	26.01	26.10	26.90	22.86	23.01	23.10	23.90
EDGE 1 Tx slot	24.63	24.63	24.93	26.00	15.63	15.63	15.93	17.00
EDGE 2 Tx slots	22.98	23.29	23.63	24.80	16.98	17.29	17.63	18.80
EDGE 3 Tx slots	23.06	23.09	23.67	24.80	18.80	18.83	19.41	20.54
EDGE 4 Tx slots	21.43	21.72	21.79	23.80	18.43	18.72	18.79	20.80

GSM1900_TX1 (Index 6)

Ant 0								
GSM1900	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	28.75	29.00	28.91	30.00	19.75	20.00	19.91	21.00
GPRS 1 Tx slot	28.84	29.02	28.92	30.00	19.84	20.02	19.92	21.00
GPRS 2 Tx slots	27.77	27.95	28.13	29.10	21.77	21.95	22.13	23.10
GPRS 3 Tx slots	26.82	26.75	26.98	27.30	22.56	22.49	22.72	23.04
GPRS 4 Tx slots	25.86	26.01	26.10	26.10	22.86	23.01	23.10	23.10
EDGE 1 Tx slot	24.63	24.63	24.93	26.00	15.63	15.63	15.93	17.00
EDGE 2 Tx slots	22.98	23.29	23.63	24.80	16.98	17.29	17.63	18.80
EDGE 3 Tx slots	23.06	23.09	23.67	24.80	18.80	18.83	19.41	20.54
EDGE 4 Tx slots	21.43	21.72	21.79	23.80	18.43	18.72	18.79	20.80



UMTS B2_TX0 (Index 1/2/3)

Ant 2					
Band		WCDMA II			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	24.20	24.24	24.32	25.70
3GPP Rel 99	RMC 12.2Kbps	24.23	24.25	24.42	25.70
3GPP Rel 6	HSDPA Subtest-1	24.31	24.35	24.26	25.70
3GPP Rel 6	HSDPA Subtest-2	24.20	24.23	24.20	25.70
3GPP Rel 6	HSDPA Subtest-3	23.71	23.73	23.74	24.70
3GPP Rel 6	HSDPA Subtest-4	23.27	23.33	23.22	24.70
3GPP Rel 6	HSUPA Subtest-1	23.33	23.40	23.35	24.70
3GPP Rel 6	HSUPA Subtest-2	21.26	21.30	21.25	23.20
3GPP Rel 6	HSUPA Subtest-3	23.38	23.42	23.33	24.70
3GPP Rel 6	HSUPA Subtest-4	21.77	21.75	21.74	23.20
3GPP Rel 6	HSUPA Subtest-5	24.40	24.40	24.41	25.70

UMTS B2_TX0 (Index 4/5/6)

Ant 2					
Band		WCDMA II			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	20.86	20.85	20.89	21.50
3GPP Rel 99	RMC 12.2Kbps	20.90	20.89	20.92	21.50
3GPP Rel 6	HSDPA Subtest-1	20.90	20.90	20.91	21.50
3GPP Rel 6	HSDPA Subtest-2	20.91	20.91	20.90	21.50
3GPP Rel 6	HSDPA Subtest-3	20.91	20.91	20.91	21.50
3GPP Rel 6	HSDPA Subtest-4	20.91	20.91	20.90	21.50
3GPP Rel 6	HSUPA Subtest-1	19.81	19.84	19.84	20.50
3GPP Rel 6	HSUPA Subtest-2	19.87	19.89	19.82	20.50
3GPP Rel 6	HSUPA Subtest-3	19.84	19.85	19.83	20.50
3GPP Rel 6	HSUPA Subtest-4	19.87	19.93	19.91	20.50
3GPP Rel 6	HSUPA Subtest-5	20.80	20.90	20.90	21.50



UMTS B2_TX1 (Index 1/2/3)

Ant 0					
Band		WCDMA II			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	23.65	23.68	23.63	25.20
3GPP Rel 99	RMC 12.2Kbps	23.71	23.59	23.70	25.20
3GPP Rel 6	HSDPA Subtest-1	23.63	23.65	23.66	25.20
3GPP Rel 6	HSDPA Subtest-2	23.60	23.53	23.61	25.20
3GPP Rel 6	HSDPA Subtest-3	23.02	23.07	23.07	24.20
3GPP Rel 6	HSDPA Subtest-4	22.48	22.52	22.53	24.20
3GPP Rel 6	HSUPA Subtest-1	22.66	22.66	22.61	24.20
3GPP Rel 6	HSUPA Subtest-2	20.09	20.15	20.11	22.70
3GPP Rel 6	HSUPA Subtest-3	22.62	22.64	22.61	24.20
3GPP Rel 6	HSUPA Subtest-4	21.26	21.29	21.22	22.70
3GPP Rel 6	HSUPA Subtest-5	23.68	23.63	23.62	25.20

UMTS B2_TX1 (Index 4/5/6)

Ant 0					
Band		WCDMA II			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	21.71	21.65	21.58	22.90
3GPP Rel 99	RMC 12.2Kbps	21.82	21.74	21.65	22.90
3GPP Rel 6	HSDPA Subtest-1	21.75	21.79	21.63	22.90
3GPP Rel 6	HSDPA Subtest-2	21.81	21.81	21.64	22.90
3GPP Rel 6	HSDPA Subtest-3	21.81	21.80	21.66	22.90
3GPP Rel 6	HSDPA Subtest-4	21.81	21.79	21.64	22.90
3GPP Rel 6	HSUPA Subtest-1	20.81	20.75	20.70	21.90
3GPP Rel 6	HSUPA Subtest-2	20.86	20.78	20.72	21.90
3GPP Rel 6	HSUPA Subtest-3	20.84	20.79	20.72	21.90
3GPP Rel 6	HSUPA Subtest-4	20.83	20.76	20.70	21.90
3GPP Rel 6	HSUPA Subtest-5	21.79	21.80	21.70	22.90



UMTS B4_TX0 (Index 1/2/3)

Ant 2					
Band		WCDMA IV			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	24.43	24.34	24.28	25.70
3GPP Rel 99	RMC 12.2Kbps	24.52	24.37	24.30	25.70
3GPP Rel 6	HSDPA Subtest-1	24.38	24.47	24.27	25.70
3GPP Rel 6	HSDPA Subtest-2	24.32	24.37	24.21	25.70
3GPP Rel 6	HSDPA Subtest-3	23.88	23.95	23.74	24.70
3GPP Rel 6	HSDPA Subtest-4	23.90	23.97	23.71	24.70
3GPP Rel 6	HSUPA Subtest-1	23.53	23.52	23.33	24.70
3GPP Rel 6	HSUPA Subtest-2	21.31	21.41	21.23	23.20
3GPP Rel 6	HSUPA Subtest-3	23.54	23.52	23.42	24.70
3GPP Rel 6	HSUPA Subtest-4	21.65	21.64	20.92	23.20
3GPP Rel 6	HSUPA Subtest-5	24.51	24.50	24.30	25.70

UMTS B4_TX0 (Index 4/5/6)

Ant 2					
Band		WCDMA IV			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	23.00	22.88	22.77	23.70
3GPP Rel 99	RMC 12.2Kbps	23.05	22.90	22.80	23.70
3GPP Rel 6	HSDPA Subtest-1	23.03	23.02	22.89	23.70
3GPP Rel 6	HSDPA Subtest-2	23.03	23.01	22.92	23.70
3GPP Rel 6	HSDPA Subtest-3	23.00	23.00	22.90	23.70
3GPP Rel 6	HSDPA Subtest-4	23.04	23.00	22.89	23.70
3GPP Rel 6	HSUPA Subtest-1	21.98	21.97	21.90	22.70
3GPP Rel 6	HSUPA Subtest-2	21.46	21.51	21.35	22.70
3GPP Rel 6	HSUPA Subtest-3	21.99	22.02	21.91	22.70
3GPP Rel 6	HSUPA Subtest-4	21.80	21.82	21.07	22.70
3GPP Rel 6	HSUPA Subtest-5	23.00	23.00	23.00	23.70



UMTS B4_TX1 (Index 1/2/3)

Ant 0					
Band		WCDMA IV			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	23.72	23.73	23.71	25.20
3GPP Rel 99	RMC 12.2Kbps	23.90	23.89	23.67	25.20
3GPP Rel 6	HSDPA Subtest-1	23.61	23.67	23.69	25.20
3GPP Rel 6	HSDPA Subtest-2	23.56	23.53	23.63	25.20
3GPP Rel 6	HSDPA Subtest-3	23.08	23.05	23.08	24.20
3GPP Rel 6	HSDPA Subtest-4	22.55	22.49	22.48	24.20
3GPP Rel 6	HSUPA Subtest-1	22.68	22.64	22.69	24.20
3GPP Rel 6	HSUPA Subtest-2	20.05	20.10	20.11	22.70
3GPP Rel 6	HSUPA Subtest-3	22.63	22.67	22.70	24.20
3GPP Rel 6	HSUPA Subtest-4	21.20	21.30	21.27	22.70
3GPP Rel 6	HSUPA Subtest-5	23.78	23.75	23.73	25.20

UMTS B4_TX1 (Index 4/5/6)

Ant 0					
Band		WCDMA IV			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	23.72	23.73	23.71	24.00
3GPP Rel 99	RMC 12.2Kbps	23.90	23.89	23.67	24.00
3GPP Rel 6	HSDPA Subtest-1	23.61	23.67	23.69	24.00
3GPP Rel 6	HSDPA Subtest-2	23.56	23.53	23.63	24.00
3GPP Rel 6	HSDPA Subtest-3	23.08	23.05	23.08	23.50
3GPP Rel 6	HSDPA Subtest-4	22.55	22.49	22.48	23.00
3GPP Rel 6	HSUPA Subtest-1	22.68	22.64	22.69	23.00
3GPP Rel 6	HSUPA Subtest-2	20.05	20.10	20.11	21.50
3GPP Rel 6	HSUPA Subtest-3	22.63	22.67	22.70	23.00
3GPP Rel 6	HSUPA Subtest-4	21.20	21.30	21.27	22.50
3GPP Rel 6	HSUPA Subtest-5	23.78	23.75	23.73	24.00



UMTS B5_TX0 (Index 1/2/3/4/5/6)

Ant 0					
Band		WCDMA V			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	23.75	23.70	23.56	25.00
3GPP Rel 99	RMC 12.2Kbps	24.20	23.77	23.70	25.00
3GPP Rel 6	HSDPA Subtest-1	24.18	23.83	23.70	25.00
3GPP Rel 6	HSDPA Subtest-2	24.01	23.68	23.57	25.00
3GPP Rel 6	HSDPA Subtest-3	23.56	23.23	23.13	24.00
3GPP Rel 6	HSDPA Subtest-4	22.81	22.65	22.59	24.00
3GPP Rel 6	HSUPA Subtest-1	23.11	23.18	22.96	24.00
3GPP Rel 6	HSUPA Subtest-2	21.40	21.44	21.14	22.50
3GPP Rel 6	HSUPA Subtest-3	22.45	22.26	22.13	24.00
3GPP Rel 6	HSUPA Subtest-4	21.26	21.33	21.20	22.50
3GPP Rel 6	HSUPA Subtest-5	23.99	24.00	24.01	25.00

UMTS B5_TX1 (Index 1/4/5/6)

Ant 1					
Band		WCDMA V			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	22.45	22.49	22.45	24.50
3GPP Rel 99	RMC 12.2Kbps	22.60	22.56	22.50	24.50
3GPP Rel 6	HSDPA Subtest-1	22.43	22.50	22.40	24.50
3GPP Rel 6	HSDPA Subtest-2	22.36	22.39	22.38	24.50
3GPP Rel 6	HSDPA Subtest-3	21.84	21.90	21.83	23.50
3GPP Rel 6	HSDPA Subtest-4	21.30	21.29	21.27	23.50
3GPP Rel 6	HSUPA Subtest-1	21.42	21.45	21.49	23.50
3GPP Rel 6	HSUPA Subtest-2	19.08	19.10	19.10	22.00
3GPP Rel 6	HSUPA Subtest-3	21.42	21.46	21.41	23.50
3GPP Rel 6	HSUPA Subtest-4	20.03	20.05	20.07	22.00
3GPP Rel 6	HSUPA Subtest-5	22.51	22.52	22.56	24.50



UMTS B5_TX1 (Index 2)

Ant 1					
Band		WCDMA V			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	22.45	22.49	22.45	23.60
3GPP Rel 99	RMC 12.2Kbps	22.60	22.56	22.50	23.60
3GPP Rel 6	HSDPA Subtest-1	22.43	22.50	22.40	23.50
3GPP Rel 6	HSDPA Subtest-2	22.36	22.39	22.38	23.50
3GPP Rel 6	HSDPA Subtest-3	21.84	21.90	21.83	23.00
3GPP Rel 6	HSDPA Subtest-4	21.30	21.29	21.27	22.50
3GPP Rel 6	HSUPA Subtest-1	21.42	21.45	21.49	23.00
3GPP Rel 6	HSUPA Subtest-2	19.08	19.10	19.10	20.00
3GPP Rel 6	HSUPA Subtest-3	21.42	21.46	21.41	22.50
3GPP Rel 6	HSUPA Subtest-4	20.03	20.05	20.07	21.00
3GPP Rel 6	HSUPA Subtest-5	22.51	22.52	22.56	23.50

UMTS B5_TX1 (Index 3)

Ant 1					
Band		WCDMA V			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	22.45	22.49	22.45	22.80
3GPP Rel 99	RMC 12.2Kbps	22.60	22.56	22.50	22.80
3GPP Rel 6	HSDPA Subtest-1	22.43	22.50	22.40	22.80
3GPP Rel 6	HSDPA Subtest-2	22.36	22.39	22.38	22.80
3GPP Rel 6	HSDPA Subtest-3	21.84	21.90	21.83	22.80
3GPP Rel 6	HSDPA Subtest-4	21.30	21.29	21.27	22.50
3GPP Rel 6	HSUPA Subtest-1	21.42	21.45	21.49	22.80
3GPP Rel 6	HSUPA Subtest-2	18.89	18.90	18.90	20.00
3GPP Rel 6	HSUPA Subtest-3	21.42	21.46	21.41	22.50
3GPP Rel 6	HSUPA Subtest-4	20.03	20.05	20.07	21.00
3GPP Rel 6	HSUPA Subtest-5	22.51	22.52	22.56	22.80



FDD LTE Band 2_TX0 (Index 1/2/3)

Ant 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	24.19	24.48	24.37	25.7
20	QPSK	1	49	24.17	24.21	24.18	
20	QPSK	1	99	24.12	24.04	24.21	
20	QPSK	50	0	23.33	23.43	23.33	24.7
20	QPSK	50	24	23.33	23.35	23.29	
20	QPSK	50	50	23.29	23.22	23.25	
20	QPSK	100	0	23.34	23.35	23.32	24.7
20	16QAM	1	0	23.53	23.73	23.61	
20	16QAM	1	49	23.44	23.47	23.39	
20	16QAM	1	99	23.48	23.33	23.47	23.7
20	16QAM	50	0	22.38	22.46	22.35	
20	16QAM	50	24	22.38	22.41	22.31	
20	16QAM	50	50	22.33	22.31	22.28	23.7
20	16QAM	100	0	22.35	22.36	22.31	
20	64QAM	1	0	22.43	22.57	22.60	
20	64QAM	1	49	22.43	22.41	22.45	23.7
20	64QAM	1	99	22.43	22.28	22.42	
20	64QAM	50	0	21.41	21.53	21.39	
20	64QAM	50	24	21.41	21.46	21.36	22.7
20	64QAM	50	50	21.36	21.34	21.34	
20	64QAM	100	0	21.39	21.38	21.36	
20	256QAM	1	0	19.59	19.75	19.69	20.7
20	256QAM	1	49	19.53	19.56	19.54	
20	256QAM	1	99	19.40	19.43	19.38	
20	256QAM	50	0	19.59	19.63	19.56	20.7
20	256QAM	50	24	19.40	19.49	19.39	
20	256QAM	50	50	19.40	19.43	19.42	
20	256QAM	100	0	19.52	19.54	19.54	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)
15	QPSK	1	0	24.09	24.43	24.37	25.7
15	QPSK	1	37	24.15	24.11	24.18	
15	QPSK	1	74	24.10	23.96	24.21	
15	QPSK	36	0	23.30	23.41	23.31	24.7
15	QPSK	36	20	23.23	23.28	23.21	
15	QPSK	36	39	23.24	23.12	23.19	
15	QPSK	75	0	23.32	23.29	23.26	24.7
15	16QAM	1	0	23.48	23.64	23.57	
15	16QAM	1	37	23.40	23.39	23.31	
15	16QAM	1	74	23.40	23.25	23.47	24.7
15	16QAM	36	0	22.28	22.44	22.35	
15	16QAM	36	20	22.33	22.41	22.27	
15	16QAM	36	39	22.29	22.30	22.19	23.7
15	16QAM	75	0	22.35	22.36	22.24	
15	64QAM	1	0	22.33	22.49	22.55	
15	64QAM	1	37	22.38	22.38	22.43	23.7
15	64QAM	1	74	22.33	22.24	22.32	
15	64QAM	36	0	21.33	21.49	21.32	
15	64QAM	36	20	21.41	21.42	21.26	22.7
15	64QAM	36	39	21.29	21.26	21.27	



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15	64QAM	75	0	21.30	21.38	21.35	
15	256QAM	1	0	19.53	19.66	19.69	20.7
15	256QAM	1	37	19.47	19.52	19.50	
15	256QAM	1	74	19.31	19.35	19.32	
15	256QAM	36	0	19.54	19.55	19.50	20.7
15	256QAM	36	20	19.31	19.40	19.36	
15	256QAM	36	39	19.32	19.42	19.41	
15	256QAM	75	0	19.42	19.46	19.49	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	24.15	24.46	24.27	25.7
10	QPSK	1	25	24.16	24.18	24.15	
10	QPSK	1	49	24.03	24.03	24.15	
10	QPSK	25	0	23.26	23.35	23.25	24.7
10	QPSK	25	12	23.24	23.35	23.28	
10	QPSK	25	25	23.28	23.22	23.22	
10	QPSK	50	0	23.27	23.32	23.28	
10	16QAM	1	0	23.51	23.67	23.51	24.7
10	16QAM	1	25	23.40	23.46	23.31	
10	16QAM	1	49	23.39	23.25	23.46	
10	16QAM	25	0	22.32	22.36	22.28	23.7
10	16QAM	25	12	22.36	22.39	22.25	
10	16QAM	25	25	22.28	22.26	22.27	
10	16QAM	50	0	22.31	22.32	22.31	
10	64QAM	1	0	22.33	22.47	22.59	23.7
10	64QAM	1	25	22.40	22.40	22.38	
10	64QAM	1	49	22.38	22.27	22.42	
10	64QAM	25	0	21.39	21.47	21.37	22.7
10	64QAM	25	12	21.34	21.38	21.35	
10	64QAM	25	25	21.35	21.24	21.29	
10	64QAM	50	0	21.36	21.34	21.36	
10	256QAM	1	0	19.50	19.65	19.69	20.7
10	256QAM	1	25	19.51	19.54	19.48	
10	256QAM	1	49	19.31	19.40	19.32	
10	256QAM	25	0	19.53	19.61	19.48	20.7
10	256QAM	25	12	19.35	19.40	19.40	
10	256QAM	25	25	19.40	19.39	19.40	
10	256QAM	50	0	19.36	19.49	19.47	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	24.16	24.42	24.33	25.7
5	QPSK	1	12	24.13	24.12	24.10	
5	QPSK	1	24	24.02	24.01	24.17	
5	QPSK	12	0	23.32	23.42	23.33	24.7
5	QPSK	12	7	23.25	23.25	23.19	
5	QPSK	12	13	23.20	23.19	23.21	
5	QPSK	25	0	23.27	23.33	23.31	
5	16QAM	1	0	23.50	23.73	23.51	24.7
5	16QAM	1	12	23.34	23.46	23.39	
5	16QAM	1	24	23.41	23.25	23.37	
5	16QAM	12	0	22.30	22.41	22.35	23.7
5	16QAM	12	7	22.36	22.38	22.21	
5	16QAM	12	13	22.32	22.29	22.20	
5	16QAM	25	0	22.29	22.30	22.30	
5	64QAM	1	0	22.43	22.57	22.53	23.7
5	64QAM	1	12	22.38	22.41	22.39	



5	64QAM	1	24	22.38	22.21	22.35	
5	64QAM	12	0	21.33	21.43	21.35	22.7
5	64QAM	12	7	21.36	21.40	21.35	
5	64QAM	12	13	21.36	21.25	21.25	
5	64QAM	25	0	21.29	21.33	21.32	
5	256QAM	1	0	19.57	19.72	19.67	20.7
5	256QAM	1	12	19.38	19.52	19.53	
5	256QAM	1	24	19.27	19.35	19.24	
5	256QAM	12	0	19.49	19.56	19.53	20.7
5	256QAM	12	7	19.37	19.49	19.38	
5	256QAM	12	13	19.32	19.36	19.26	
5	256QAM	25	0	19.47	19.46	19.48	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	24.13	24.42	24.30	25.7
3	QPSK	1	8	24.16	24.16	24.10	
3	QPSK	1	14	24.07	23.97	24.13	
3	QPSK	8	0	23.29	23.43	23.30	24.7
3	QPSK	8	4	23.29	23.32	23.29	
3	QPSK	8	7	23.27	23.20	23.25	
3	QPSK	15	0	23.24	23.30	23.27	
3	16QAM	1	0	23.48	23.70	23.51	24.7
3	16QAM	1	8	23.39	23.45	23.32	
3	16QAM	1	14	23.44	23.27	23.41	
3	16QAM	8	0	22.38	22.37	22.31	23.7
3	16QAM	8	4	22.33	22.39	22.21	
3	16QAM	8	7	22.33	22.26	22.18	
3	16QAM	15	0	22.28	22.36	22.28	
3	64QAM	1	0	22.40	22.53	22.53	23.7
3	64QAM	1	8	22.34	22.37	22.43	
3	64QAM	1	14	22.40	22.24	22.42	
3	64QAM	8	0	21.40	21.53	21.30	
3	64QAM	8	4	21.34	21.46	21.33	22.7
3	64QAM	8	7	21.35	21.26	21.32	
3	64QAM	15	0	21.30	21.30	21.36	
3	256QAM	1	0	19.53	19.65	19.64	
3	256QAM	1	8	19.43	19.55	19.49	20.7
3	256QAM	1	14	19.27	19.40	19.36	
3	256QAM	8	0	19.52	19.56	19.50	
3	256QAM	8	4	19.42	19.49	19.35	20.7
3	256QAM	8	7	19.33	19.34	19.33	
3	256QAM	15	0	19.52	19.51	19.38	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	24.02	24.07	24.12	25.7
1.4	QPSK	1	3	23.98	23.97	24.03	
1.4	QPSK	1	5	24.05	24.06	24.14	
1.4	QPSK	3	0	23.96	24.00	24.03	
1.4	QPSK	3	1	24.04	24.09	24.15	
1.4	QPSK	3	3	24.02	24.04	24.11	
1.4	QPSK	6	0	23.05	23.04	23.07	24.7
1.4	16QAM	1	0	23.37	23.35	23.32	24.7
1.4	16QAM	1	3	23.25	23.14	23.14	
1.4	16QAM	1	5	23.37	23.33	23.36	
1.4	16QAM	3	0	23.09	23.17	23.15	
1.4	16QAM	3	1	23.13	23.24	23.21	



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1.4	16QAM	3	3	23.20	23.19	23.20	
1.4	16QAM	6	0	22.10	22.13	22.12	23.7
1.4	64QAM	1	0	22.25	22.28	22.24	23.7
1.4	64QAM	1	3	22.22	22.23	22.17	
1.4	64QAM	1	5	22.21	22.29	22.28	
1.4	64QAM	3	0	22.10	22.10	22.11	
1.4	64QAM	3	1	22.24	22.22	22.13	
1.4	64QAM	3	3	22.20	22.22	22.18	
1.4	64QAM	6	0	21.15	21.13	21.09	22.7
1.4	256QAM	1	0	19.57	19.69	19.67	20.7
1.4	256QAM	1	3	19.45	19.50	19.43	
1.4	256QAM	1	5	19.42	19.41	19.33	
1.4	256QAM	3	0	19.57	19.55	19.52	
1.4	256QAM	3	1	19.37	19.46	19.42	
1.4	256QAM	3	3	19.31	19.34	19.34	
1.4	256QAM	6	0	19.44	19.52	19.35	20.7



FDD LTE Band 2_TX0 (Index 4/5/6)

Ant 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	21.39	21.59	21.52	22.5
20	QPSK	1	49	21.32	21.31	21.23	
20	QPSK	1	99	21.29	21.15	21.33	
20	QPSK	50	0	21.51	21.59	21.52	22.5
20	QPSK	50	24	21.51	21.50	21.45	
20	QPSK	50	50	21.45	21.37	21.40	
20	QPSK	100	0	21.50	21.49	21.47	22.5
20	16QAM	1	0	21.69	21.91	21.76	
20	16QAM	1	49	21.59	21.65	21.52	
20	16QAM	1	99	21.64	21.53	21.64	22.5
20	16QAM	50	0	21.51	21.60	21.49	
20	16QAM	50	24	21.48	21.51	21.42	
20	16QAM	50	50	21.44	21.38	21.39	22.5
20	16QAM	100	0	21.46	21.47	21.45	
20	64QAM	1	0	21.68	21.83	21.73	
20	64QAM	1	49	21.55	21.62	21.54	22.5
20	64QAM	1	99	21.59	21.49	21.62	
20	64QAM	50	0	21.50	21.60	21.50	
20	64QAM	50	24	21.50	21.52	21.44	22.5
20	64QAM	50	50	21.44	21.41	21.41	
20	64QAM	100	0	21.48	21.49	21.44	
20	256QAM	1	0	19.53	19.73	19.63	20.5
20	256QAM	1	49	19.46	19.48	19.54	
20	256QAM	1	99	19.37	19.33	19.31	
20	256QAM	50	0	19.50	19.57	19.51	20.5
20	256QAM	50	24	19.32	19.39	19.31	
20	256QAM	50	50	19.39	19.41	19.42	
20	256QAM	100	0	19.50	19.44	19.49	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.36	21.49	21.52	22.5
15	QPSK	1	37	21.26	21.26	21.13	
15	QPSK	1	74	21.20	21.06	21.27	
15	QPSK	36	0	21.46	21.58	21.45	22.5
15	QPSK	36	20	21.45	21.47	21.35	
15	QPSK	36	39	21.40	21.37	21.36	
15	QPSK	75	0	21.45	21.48	21.42	22.5
15	16QAM	1	0	21.63	21.83	21.74	
15	16QAM	1	37	21.59	21.64	21.47	
15	16QAM	1	74	21.56	21.52	21.61	22.5
15	16QAM	36	0	21.50	21.60	21.41	
15	16QAM	36	20	21.42	21.47	21.33	
15	16QAM	36	39	21.41	21.32	21.34	22.5
15	16QAM	75	0	21.40	21.38	21.45	
15	64QAM	1	0	21.64	21.73	21.64	
15	64QAM	1	37	21.47	21.55	21.51	22.5
15	64QAM	1	74	21.51	21.46	21.52	
15	64QAM	36	0	21.44	21.51	21.50	
15	64QAM	36	20	21.41	21.49	21.34	22.5
15	64QAM	36	39	21.42	21.35	21.36	



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15	64QAM	75	0	21.43	21.45	21.39	
15	256QAM	1	0	19.46	19.72	19.59	20.5
15	256QAM	1	37	19.43	19.43	19.51	
15	256QAM	1	74	19.28	19.30	19.23	
15	256QAM	36	0	19.43	19.47	19.51	20.5
15	256QAM	36	20	19.26	19.30	19.30	
15	256QAM	36	39	19.33	19.38	19.32	
15	256QAM	75	0	19.40	19.34	19.47	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.31	21.50	21.42	22.5
10	QPSK	1	25	21.30	21.21	21.16	
10	QPSK	1	49	21.27	21.11	21.32	
10	QPSK	25	0	21.50	21.55	21.42	22.5
10	QPSK	25	12	21.48	21.44	21.42	
10	QPSK	25	25	21.43	21.27	21.36	
10	QPSK	50	0	21.47	21.43	21.42	
10	16QAM	1	0	21.65	21.81	21.69	22.5
10	16QAM	1	25	21.50	21.64	21.48	
10	16QAM	1	49	21.60	21.45	21.59	
10	16QAM	25	0	21.42	21.58	21.46	22.5
10	16QAM	25	12	21.38	21.48	21.42	
10	16QAM	25	25	21.37	21.33	21.35	
10	16QAM	50	0	21.45	21.43	21.43	
10	64QAM	1	0	21.60	21.76	21.71	22.5
10	64QAM	1	25	21.51	21.52	21.51	
10	64QAM	1	49	21.49	21.45	21.58	
10	64QAM	25	0	21.40	21.56	21.43	22.5
10	64QAM	25	12	21.45	21.49	21.41	
10	64QAM	25	25	21.42	21.41	21.34	
10	64QAM	50	0	21.48	21.49	21.36	
10	256QAM	1	0	19.46	19.69	19.56	20.5
10	256QAM	1	25	19.39	19.45	19.46	
10	256QAM	1	49	19.30	19.32	19.26	
10	256QAM	25	0	19.48	19.55	19.41	20.5
10	256QAM	25	12	19.30	19.35	19.26	
10	256QAM	25	25	19.29	19.41	19.32	
10	256QAM	50	0	19.43	19.34	19.49	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.33	21.50	21.49	22.5
5	QPSK	1	12	21.23	21.21	21.17	
5	QPSK	1	24	21.26	21.08	21.25	
5	QPSK	12	0	21.46	21.52	21.51	22.5
5	QPSK	12	7	21.48	21.43	21.35	
5	QPSK	12	13	21.38	21.28	21.36	
5	QPSK	25	0	21.41	21.41	21.47	
5	16QAM	1	0	21.69	21.86	21.68	22.5
5	16QAM	1	12	21.49	21.58	21.45	
5	16QAM	1	24	21.64	21.52	21.59	
5	16QAM	12	0	21.50	21.57	21.40	22.5
5	16QAM	12	7	21.40	21.48	21.40	
5	16QAM	12	13	21.42	21.38	21.33	
5	16QAM	25	0	21.45	21.43	21.43	
5	64QAM	1	0	21.58	21.82	21.72	22.5
5	64QAM	1	12	21.47	21.53	21.53	



5	64QAM	1	24	21.49	21.39	21.60	
5	64QAM	12	0	21.42	21.51	21.45	22.5
5	64QAM	12	7	21.43	21.47	21.43	
5	64QAM	12	13	21.40	21.33	21.39	
5	64QAM	25	0	21.45	21.45	21.42	
5	256QAM	1	0	19.49	19.73	19.53	20.5
5	256QAM	1	12	19.43	19.39	19.46	
5	256QAM	1	24	19.31	19.26	19.26	
5	256QAM	12	0	19.48	19.55	19.41	20.5
5	256QAM	12	7	19.28	19.38	19.29	
5	256QAM	12	13	19.32	19.32	19.42	
5	256QAM	25	0	19.49	19.38	19.42	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.33	21.57	21.44	22.5
3	QPSK	1	8	21.31	21.26	21.13	
3	QPSK	1	14	21.19	21.12	21.33	
3	QPSK	8	0	21.43	21.54	21.50	22.5
3	QPSK	8	4	21.41	21.48	21.43	
3	QPSK	8	7	21.37	21.36	21.36	
3	QPSK	15	0	21.50	21.45	21.46	
3	16QAM	1	0	21.59	21.88	21.76	22.5
3	16QAM	1	8	21.55	21.65	21.49	
3	16QAM	1	14	21.62	21.43	21.62	
3	16QAM	8	0	21.48	21.53	21.40	22.5
3	16QAM	8	4	21.39	21.44	21.33	
3	16QAM	8	7	21.44	21.28	21.31	
3	16QAM	15	0	21.45	21.45	21.40	
3	64QAM	1	0	21.66	21.82	21.65	22.5
3	64QAM	1	8	21.53	21.60	21.52	
3	64QAM	1	14	21.55	21.43	21.54	
3	64QAM	8	0	21.40	21.58	21.46	22.5
3	64QAM	8	4	21.49	21.46	21.43	
3	64QAM	8	7	21.39	21.36	21.35	
3	64QAM	15	0	21.47	21.42	21.34	
3	256QAM	1	0	19.46	19.63	19.55	20.5
3	256QAM	1	8	19.43	19.48	19.47	
3	256QAM	1	14	19.27	19.33	19.28	
3	256QAM	8	0	19.40	19.53	19.46	20.5
3	256QAM	8	4	19.22	19.32	19.30	
3	256QAM	8	7	19.29	19.32	19.38	
3	256QAM	15	0	19.40	19.42	19.40	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.38	21.49	21.45	22.5
1.4	QPSK	1	3	21.31	21.24	21.22	
1.4	QPSK	1	5	21.21	21.08	21.28	
1.4	QPSK	3	0	21.45	21.49	21.51	
1.4	QPSK	3	1	21.46	21.41	21.44	
1.4	QPSK	3	3	21.36	21.35	21.33	
1.4	QPSK	6	0	21.43	21.41	21.38	22.5
1.4	16QAM	1	0	21.61	21.82	21.66	22.5
1.4	16QAM	1	3	21.57	21.63	21.49	
1.4	16QAM	1	5	21.59	21.50	21.60	
1.4	16QAM	3	0	21.49	21.55	21.42	
1.4	16QAM	3	1	21.48	21.42	21.42	



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1.4	16QAM	3	3	21.43	21.29	21.30	
1.4	16QAM	6	0	21.43	21.37	21.37	22.5
1.4	64QAM	1	0	21.61	21.73	21.64	22.5
1.4	64QAM	1	3	21.46	21.54	21.54	
1.4	64QAM	1	5	21.52	21.45	21.61	
1.4	64QAM	3	0	21.48	21.53	21.49	
1.4	64QAM	3	1	21.41	21.48	21.38	
1.4	64QAM	3	3	21.38	21.36	21.38	
1.4	64QAM	6	0	21.44	21.47	21.37	22.5
1.4	256QAM	1	0	19.47	19.63	19.58	20.5
1.4	256QAM	1	3	19.38	19.47	19.47	
1.4	256QAM	1	5	19.31	19.23	19.23	
1.4	256QAM	3	0	19.45	19.48	19.51	
1.4	256QAM	3	1	19.23	19.33	19.28	
1.4	256QAM	3	3	19.37	19.32	19.34	
1.4	256QAM	6	0	19.42	19.43	19.41	20.5



FDD LTE Band 2_TX1 (Index 1/2/3)

Ant 0							
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	23.49	23.71	23.54	25.2
20	QPSK	1	49	23.47	23.47	23.30	
20	QPSK	1	99	23.43	23.20	23.43	
20	QPSK	50	0	22.50	22.56	22.51	24.2
20	QPSK	50	24	22.53	22.47	22.44	
20	QPSK	50	50	22.51	22.33	22.44	
20	QPSK	100	0	22.53	22.45	22.48	24.2
20	16QAM	1	0	22.73	22.93	22.84	
20	16QAM	1	49	22.69	22.65	22.58	
20	16QAM	1	99	22.70	22.43	22.75	23.2
20	16QAM	50	0	21.55	21.57	21.50	
20	16QAM	50	24	21.57	21.51	21.47	
20	16QAM	50	50	21.54	21.39	21.45	23.2
20	16QAM	100	0	21.55	21.45	21.49	
20	64QAM	1	0	21.76	21.84	21.84	
20	64QAM	1	49	21.74	21.65	21.57	23.2
20	64QAM	1	99	21.67	21.45	21.81	
20	64QAM	50	0	20.60	20.64	20.55	
20	64QAM	50	24	20.64	20.58	20.50	22.2
20	64QAM	50	50	20.59	20.48	20.49	
20	64QAM	100	0	20.55	20.51	20.50	
20	256QAM	1	0	18.77	18.93	18.89	20.2
20	256QAM	1	49	18.87	18.94	18.89	
20	256QAM	1	99	18.70	18.74	18.73	
20	256QAM	50	0	18.64	18.71	18.71	20.2
20	256QAM	50	24	18.60	18.62	18.53	
20	256QAM	50	50	18.55	18.63	18.59	
20	256QAM	100	0	18.72	18.72	18.67	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.54	23.69	23.53	25.2
15	QPSK	1	37	23.48	23.46	23.40	
15	QPSK	1	74	23.51	23.30	23.61	
15	QPSK	36	0	22.47	22.59	22.44	24.2
15	QPSK	36	20	22.49	22.49	22.45	
15	QPSK	36	39	22.50	22.39	22.47	
15	QPSK	75	0	22.46	22.47	22.47	24.2
15	16QAM	1	0	22.76	22.93	22.74	
15	16QAM	1	37	22.76	22.69	22.62	
15	16QAM	1	74	22.82	22.64	22.89	23.2
15	16QAM	36	0	21.51	21.60	21.45	
15	16QAM	36	20	21.53	21.54	21.47	
15	16QAM	36	39	21.53	21.46	21.52	23.2
15	16QAM	75	0	21.52	21.51	21.51	
15	64QAM	1	0	21.68	21.80	21.74	
15	64QAM	1	37	21.72	21.60	21.49	23.2
15	64QAM	1	74	21.66	21.36	21.81	
15	64QAM	36	0	20.55	20.58	20.50	
15	64QAM	36	20	20.56	20.49	20.47	22.2
15	64QAM	36	39	20.55	20.43	20.42	



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15	64QAM	75	0	20.54	20.41	20.49	
15	256QAM	1	0	18.71	18.84	18.80	20.2
15	256QAM	1	37	18.85	18.93	18.89	
15	256QAM	1	74	18.62	18.65	18.71	
15	256QAM	36	0	18.53	18.66	18.62	20.2
15	256QAM	36	20	18.48	18.58	18.55	
15	256QAM	36	39	18.58	18.62	18.59	
15	256QAM	75	0	18.59	18.64	18.57	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.41	23.54	23.41	25.2
10	QPSK	1	25	23.37	23.36	23.40	
10	QPSK	1	49	23.41	23.26	23.48	
10	QPSK	25	0	22.45	22.54	22.44	24.2
10	QPSK	25	12	22.47	22.48	22.49	
10	QPSK	25	25	22.50	22.40	22.51	
10	QPSK	50	0	22.47	22.45	22.45	
10	16QAM	1	0	22.75	22.85	22.64	24.2
10	16QAM	1	25	22.62	22.66	22.65	
10	16QAM	1	49	22.78	22.65	22.80	
10	16QAM	25	0	21.51	21.57	21.49	23.2
10	16QAM	25	12	21.53	21.55	21.50	
10	16QAM	25	25	21.54	21.48	21.55	
10	16QAM	50	0	21.50	21.50	21.50	
10	64QAM	1	0	21.64	21.84	21.62	23.2
10	64QAM	1	25	21.72	21.77	21.69	
10	64QAM	1	49	21.76	21.69	21.82	
10	64QAM	25	0	20.52	20.59	20.47	22.2
10	64QAM	25	12	20.51	20.53	20.51	
10	64QAM	25	25	20.55	20.50	20.57	
10	64QAM	50	0	20.55	20.55	20.53	
10	256QAM	1	0	18.69	18.92	18.86	20.2
10	256QAM	1	25	18.85	18.93	18.82	
10	256QAM	1	49	18.67	18.65	18.60	
10	256QAM	25	0	18.55	18.66	18.56	20.2
10	256QAM	25	12	18.54	18.60	18.54	
10	256QAM	25	25	18.45	18.55	18.46	
10	256QAM	50	0	18.59	18.70	18.72	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.47	23.55	23.44	25.2
5	QPSK	1	12	23.43	23.37	23.40	
5	QPSK	1	24	23.48	23.39	23.53	
5	QPSK	12	0	22.49	22.52	22.46	24.2
5	QPSK	12	7	22.53	22.54	22.53	
5	QPSK	12	13	22.52	22.50	22.55	
5	QPSK	25	0	22.49	22.51	22.52	
5	16QAM	1	0	22.79	22.82	22.69	24.2
5	16QAM	1	12	22.73	22.76	22.69	
5	16QAM	1	24	22.83	22.78	22.86	
5	16QAM	12	0	21.53	21.56	21.49	23.2
5	16QAM	12	7	21.58	21.56	21.55	
5	16QAM	12	13	21.54	21.55	21.57	
5	16QAM	25	0	21.53	21.55	21.55	
5	64QAM	1	0	21.66	21.72	21.63	23.2
5	64QAM	1	12	21.63	21.68	21.64	



5	64QAM	1	24	21.73	21.64	21.75	
5	64QAM	12	0	20.55	20.62	20.53	22.2
5	64QAM	12	7	20.59	20.61	20.59	
5	64QAM	12	13	20.57	20.57	20.59	
5	64QAM	25	0	20.56	20.56	20.55	
5	256QAM	1	0	18.70	18.90	18.80	20.2
5	256QAM	1	12	18.80	18.85	18.92	
5	256QAM	1	24	18.69	18.67	18.67	
5	256QAM	12	0	18.56	18.61	18.56	20.2
5	256QAM	12	7	18.58	18.60	18.60	
5	256QAM	12	13	18.48	18.59	18.46	
5	256QAM	25	0	18.54	18.66	18.65	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.55	23.60	23.54	25.2
3	QPSK	1	8	23.44	23.44	23.48	
3	QPSK	1	14	23.51	23.47	23.57	
3	QPSK	8	0	22.50	22.51	22.49	24.2
3	QPSK	8	4	22.53	22.52	22.52	
3	QPSK	8	7	22.56	22.52	22.59	
3	QPSK	15	0	22.53	22.50	22.53	
3	16QAM	1	0	22.85	22.86	22.83	24.2
3	16QAM	1	8	22.72	22.70	22.71	
3	16QAM	1	14	22.85	22.72	22.82	
3	16QAM	8	0	21.55	21.58	21.55	23.2
3	16QAM	8	4	21.62	21.63	21.60	
3	16QAM	8	7	21.62	21.61	21.66	
3	16QAM	15	0	21.55	21.56	21.54	
3	64QAM	1	0	21.76	21.80	21.74	23.2
3	64QAM	1	8	21.69	21.66	21.64	
3	64QAM	1	14	21.70	21.73	21.69	
3	64QAM	8	0	20.55	20.52	20.57	
3	64QAM	8	4	20.57	20.57	20.57	22.2
3	64QAM	8	7	20.59	20.57	20.63	
3	64QAM	15	0	20.60	20.62	20.60	
3	256QAM	1	0	18.68	18.93	18.86	
3	256QAM	1	8	18.89	18.90	18.84	20.2
3	256QAM	1	14	18.63	18.72	18.58	
3	256QAM	8	0	18.63	18.71	18.64	
3	256QAM	8	4	18.61	18.55	18.49	20.2
3	256QAM	8	7	18.50	18.58	18.53	
3	256QAM	15	0	18.69	18.64	18.64	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.47	23.47	23.48	25.2
1.4	QPSK	1	3	23.48	23.47	23.52	
1.4	QPSK	1	5	23.50	23.46	23.54	
1.4	QPSK	3	0	23.41	23.38	23.41	
1.4	QPSK	3	1	23.45	23.46	23.47	
1.4	QPSK	3	3	23.51	23.43	23.47	
1.4	QPSK	6	0	22.46	22.46	22.45	24.2
1.4	16QAM	1	0	22.76	22.75	22.67	24.2
1.4	16QAM	1	3	22.68	22.64	22.63	
1.4	16QAM	1	5	22.85	22.75	22.73	
1.4	16QAM	3	0	22.54	22.47	22.48	
1.4	16QAM	3	1	22.66	22.55	22.64	



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1.4	16QAM	3	3	22.64	22.56	22.63	
1.4	16QAM	6	0	21.56	21.52	21.55	23.2
1.4	64QAM	1	0	21.73	21.65	21.71	23.2
1.4	64QAM	1	3	21.66	21.65	21.69	
1.4	64QAM	1	5	21.68	21.72	21.74	
1.4	64QAM	3	0	21.58	21.52	21.56	
1.4	64QAM	3	1	21.69	21.67	21.67	
1.4	64QAM	3	3	21.62	21.56	21.61	
1.4	64QAM	6	0	20.58	20.52	20.54	22.2
1.4	256QAM	1	0	18.76	18.93	18.87	20.2
1.4	256QAM	1	3	18.86	18.86	18.84	
1.4	256QAM	1	5	18.68	18.74	18.63	
1.4	256QAM	3	0	18.67	18.70	18.58	
1.4	256QAM	3	1	18.56	18.62	18.47	
1.4	256QAM	3	3	18.52	18.61	18.45	
1.4	256QAM	6	0	18.69	18.62	18.55	20.2



FDD LTE Band 2_TX1 (Index 4/5/6)

Ant 0							
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	22.49	22.54	22.45	23.6
20	QPSK	1	49	22.43	22.23	22.19	
20	QPSK	1	99	22.40	22.00	22.30	
20	QPSK	50	0	22.45	22.46	22.35	23.6
20	QPSK	50	24	22.44	22.35	22.27	
20	QPSK	50	50	22.41	22.20	22.23	
20	QPSK	100	0	22.43	22.45	22.33	23.6
20	16QAM	1	0	22.52	22.80	22.66	
20	16QAM	1	49	22.51	22.40	22.34	
20	16QAM	1	99	22.51	22.18	22.60	23.1
20	16QAM	50	0	21.99	21.99	21.86	
20	16QAM	50	24	22.00	21.87	21.78	
20	16QAM	50	50	21.96	21.74	21.76	23.1
20	16QAM	100	0	21.94	21.82	21.80	
20	64QAM	1	0	22.11	22.27	22.03	
20	64QAM	1	49	22.11	22.04	21.77	22.1
20	64QAM	1	99	22.05	21.82	22.00	
20	64QAM	50	0	21.01	21.01	20.91	
20	64QAM	50	24	21.03	20.91	20.82	20.1
20	64QAM	50	50	20.97	20.77	20.79	
20	64QAM	100	0	20.97	20.86	20.85	
20	256QAM	1	0	18.76	18.91	18.80	20.1
20	256QAM	1	49	18.78	18.86	18.88	
20	256QAM	1	99	18.60	18.66	18.70	
20	256QAM	50	0	18.56	18.64	18.69	20.1
20	256QAM	50	24	18.57	18.55	18.50	
20	256QAM	50	50	18.52	18.62	18.54	
20	256QAM	100	0	18.62	18.63	18.59	Tune-up limit (dBm)
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.41	22.45	22.38	23.6
15	QPSK	1	37	22.38	22.16	22.17	
15	QPSK	1	74	22.33	21.91	22.26	
15	QPSK	36	0	22.39	22.42	22.28	23.6
15	QPSK	36	20	22.43	22.34	22.26	
15	QPSK	36	39	22.40	22.20	22.19	
15	QPSK	75	0	22.42	22.39	22.26	23.6
15	16QAM	1	0	22.51	22.78	22.66	
15	16QAM	1	37	22.43	22.37	22.24	
15	16QAM	1	74	22.42	22.11	22.52	23.1
15	16QAM	36	0	21.97	21.98	21.77	
15	16QAM	36	20	21.98	21.81	21.73	
15	16QAM	36	39	21.86	21.69	21.74	23.1
15	16QAM	75	0	21.92	21.77	21.77	
15	64QAM	1	0	22.03	22.26	21.99	
15	64QAM	1	37	22.10	21.99	21.68	22.1
15	64QAM	1	74	22.00	21.73	22.00	
15	64QAM	36	0	20.93	20.91	20.89	
15	64QAM	36	20	20.97	20.85	20.78	
15	64QAM	36	39	20.95	20.71	20.78	



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15	64QAM	75	0	20.88	20.85	20.75	
15	256QAM	1	0	18.69	18.81	18.75	20.1
15	256QAM	1	37	18.77	18.77	18.78	
15	256QAM	1	74	18.57	18.59	18.70	
15	256QAM	36	0	18.51	18.64	18.62	20.1
15	256QAM	36	20	18.54	18.47	18.49	
15	256QAM	36	39	18.44	18.56	18.45	
15	256QAM	75	0	18.53	18.60	18.59	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.40	22.54	22.43	23.6
10	QPSK	1	25	22.33	22.19	22.19	
10	QPSK	1	49	22.33	21.92	22.25	
10	QPSK	25	0	22.43	22.44	22.25	23.6
10	QPSK	25	12	22.37	22.27	22.25	
10	QPSK	25	25	22.37	22.12	22.22	
10	QPSK	50	0	22.34	22.36	22.32	
10	16QAM	1	0	22.52	22.75	22.60	23.6
10	16QAM	1	25	22.50	22.30	22.28	
10	16QAM	1	49	22.45	22.16	22.50	
10	16QAM	25	0	21.92	21.92	21.86	23.1
10	16QAM	25	12	21.93	21.84	21.76	
10	16QAM	25	25	21.88	21.64	21.70	
10	16QAM	50	0	21.86	21.80	21.75	
10	64QAM	1	0	22.03	22.20	22.03	23.1
10	64QAM	1	25	22.07	22.00	21.77	
10	64QAM	1	49	21.97	21.76	21.92	
10	64QAM	25	0	20.97	20.97	20.84	22.1
10	64QAM	25	12	20.94	20.82	20.76	
10	64QAM	25	25	20.96	20.67	20.79	
10	64QAM	50	0	20.87	20.86	20.79	
10	256QAM	1	0	18.75	18.87	18.75	20.1
10	256QAM	1	25	18.77	18.83	18.79	
10	256QAM	1	49	18.53	18.63	18.63	
10	256QAM	25	0	18.47	18.59	18.60	20.1
10	256QAM	25	12	18.54	18.55	18.42	
10	256QAM	25	25	18.44	18.57	18.48	
10	256QAM	50	0	18.58	18.57	18.55	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.42	22.51	22.40	23.6
5	QPSK	1	12	22.40	22.23	22.11	
5	QPSK	1	24	22.31	21.95	22.22	
5	QPSK	12	0	22.42	22.44	22.32	23.6
5	QPSK	12	7	22.39	22.31	22.17	
5	QPSK	12	13	22.41	22.12	22.23	
5	QPSK	25	0	22.41	22.37	22.26	
5	16QAM	1	0	22.46	22.79	22.58	23.6
5	16QAM	1	12	22.42	22.37	22.28	
5	16QAM	1	24	22.49	22.13	22.50	
5	16QAM	12	0	21.98	21.96	21.78	23.1
5	16QAM	12	7	21.99	21.79	21.74	
5	16QAM	12	13	21.86	21.73	21.75	
5	16QAM	25	0	21.84	21.76	21.71	
5	64QAM	1	0	22.01	22.27	21.94	23.1
5	64QAM	1	12	22.05	22.01	21.71	



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5	64QAM	1	24	21.98	21.80	21.91	
5	64QAM	12	0	20.96	20.93	20.83	22.1
5	64QAM	12	7	20.96	20.90	20.72	
5	64QAM	12	13	20.93	20.74	20.69	
5	64QAM	25	0	20.96	20.76	20.82	
5	256QAM	1	0	18.66	18.81	18.71	20.1
5	256QAM	1	12	18.69	18.78	18.86	
5	256QAM	1	24	18.55	18.56	18.61	
5	256QAM	12	0	18.55	18.56	18.64	20.1
5	256QAM	12	7	18.50	18.48	18.41	
5	256QAM	12	13	18.45	18.61	18.48	
5	256QAM	25	0	18.55	18.57	18.58	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.44	22.48	22.43	23.6
3	QPSK	1	8	22.35	22.17	22.17	
3	QPSK	1	14	22.38	21.91	22.20	
3	QPSK	8	0	22.41	22.38	22.27	23.6
3	QPSK	8	4	22.44	22.34	22.25	
3	QPSK	8	7	22.34	22.19	22.14	
3	QPSK	15	0	22.34	22.36	22.30	
3	16QAM	1	0	22.52	22.76	22.61	23.6
3	16QAM	1	8	22.41	22.38	22.25	
3	16QAM	1	14	22.46	22.17	22.55	
3	16QAM	8	0	21.92	21.92	21.83	23.1
3	16QAM	8	4	21.91	21.77	21.71	
3	16QAM	8	7	21.93	21.70	21.76	
3	16QAM	15	0	21.93	21.74	21.71	
3	64QAM	1	0	22.04	22.18	22.02	23.1
3	64QAM	1	8	22.01	21.98	21.72	
3	64QAM	1	14	22.00	21.79	22.00	
3	64QAM	8	0	20.96	20.99	20.91	
3	64QAM	8	4	21.02	20.81	20.77	22.1
3	64QAM	8	7	20.95	20.77	20.70	
3	64QAM	15	0	20.90	20.83	20.85	
3	256QAM	1	0	18.73	18.86	18.79	
3	256QAM	1	8	18.78	18.77	18.85	20.1
3	256QAM	1	14	18.56	18.60	18.60	
3	256QAM	8	0	18.47	18.56	18.68	
3	256QAM	8	4	18.49	18.49	18.45	20.1
3	256QAM	8	7	18.47	18.53	18.47	
3	256QAM	15	0	18.55	18.55	18.49	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.34	22.34	22.33	23.6
1.4	QPSK	1	3	22.26	22.27	22.22	
1.4	QPSK	1	5	22.37	22.31	22.35	
1.4	QPSK	3	0	22.28	22.26	22.24	
1.4	QPSK	3	1	22.38	22.30	22.29	
1.4	QPSK	3	3	22.33	22.27	22.27	
1.4	QPSK	6	0	22.36	22.34	22.33	23.6
1.4	16QAM	1	0	22.73	22.66	22.58	23.6
1.4	16QAM	1	3	22.58	22.46	22.41	
1.4	16QAM	1	5	22.73	22.55	22.56	
1.4	16QAM	3	0	22.45	22.38	22.39	
1.4	16QAM	3	1	22.53	22.48	22.47	



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1.4	16QAM	3	3	22.48	22.36	22.39	
1.4	16QAM	6	0	21.92	21.90	21.86	23.1
1.4	64QAM	1	0	21.99	22.00	21.98	23.1
1.4	64QAM	1	3	21.82	21.91	21.84	
1.4	64QAM	1	5	21.96	21.94	21.95	
1.4	64QAM	3	0	21.92	21.93	21.86	
1.4	64QAM	3	1	22.03	21.99	21.95	
1.4	64QAM	3	3	21.97	21.96	21.89	
1.4	64QAM	6	0	20.89	20.84	20.81	22.1
1.4	256QAM	1	0	18.67	18.91	18.81	20.1
1.4	256QAM	1	3	18.81	18.85	18.80	
1.4	256QAM	1	5	18.61	18.68	18.54	
1.4	256QAM	3	0	18.64	18.70	18.51	
1.4	256QAM	3	1	18.50	18.60	18.38	
1.4	256QAM	3	3	18.46	18.53	18.36	
1.4	256QAM	6	0	18.59	18.58	18.52	20.1



FDD LTE Band 4_TX0 (Index 1/2/3)

Ant 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	24.19	24.36	24.47	25.7
20	QPSK	1	49	24.17	24.25	24.23	
20	QPSK	1	99	24.17	24.11	24.07	
20	QPSK	50	0	23.27	23.38	23.46	24.7
20	QPSK	50	24	23.29	23.37	23.39	
20	QPSK	50	50	23.32	23.33	23.29	
20	QPSK	100	0	23.32	23.37	23.38	24.7
20	16QAM	1	0	23.51	23.53	23.67	
20	16QAM	1	49	23.48	23.31	23.46	
20	16QAM	1	99	23.40	23.33	23.35	23.7
20	16QAM	50	0	22.32	22.43	22.45	
20	16QAM	50	24	22.39	22.41	22.39	
20	16QAM	50	50	22.36	22.34	22.30	23.7
20	16QAM	100	0	22.34	22.36	22.33	
20	64QAM	1	0	22.48	22.57	22.68	
20	64QAM	1	49	22.49	22.38	22.51	23.7
20	64QAM	1	99	22.43	22.40	22.34	
20	64QAM	50	0	21.39	21.46	21.52	
20	64QAM	50	24	21.41	21.44	21.43	22.7
20	64QAM	50	50	21.40	21.37	21.31	
20	64QAM	100	0	21.35	21.38	21.37	
20	256QAM	1	0	19.54	19.44	19.72	20.7
20	256QAM	1	49	19.54	19.55	19.48	
20	256QAM	1	99	19.46	19.52	19.42	
20	256QAM	50	0	19.26	19.36	19.33	20.7
20	256QAM	50	24	19.35	19.45	19.40	
20	256QAM	50	50	19.39	19.44	19.35	
20	256QAM	100	0	19.42	19.45	19.41	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.19	24.34	24.41	25.7
15	QPSK	1	37	24.07	24.19	24.13	
15	QPSK	1	74	24.15	24.05	23.99	
15	QPSK	36	0	23.27	23.38	23.42	24.7
15	QPSK	36	20	23.22	23.31	23.29	
15	QPSK	36	39	23.22	23.26	23.25	
15	QPSK	75	0	23.29	23.33	23.37	24.7
15	16QAM	1	0	23.46	23.51	23.66	
15	16QAM	1	37	23.43	23.23	23.39	
15	16QAM	1	74	23.32	23.29	23.28	23.7
15	16QAM	36	0	22.30	22.33	22.36	
15	16QAM	36	20	22.39	22.38	22.36	
15	16QAM	36	39	22.32	22.25	22.20	23.7
15	16QAM	75	0	22.24	22.31	22.27	
15	64QAM	1	0	22.44	22.55	22.64	
15	64QAM	1	37	22.39	22.28	22.41	23.7
15	64QAM	1	74	22.37	22.40	22.27	
15	64QAM	36	0	21.33	21.45	21.42	
15	64QAM	36	20	21.37	21.35	21.36	22.7
15	64QAM	36	39	21.36	21.27	21.31	



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15	64QAM	75	0	21.34	21.36	21.30	
15	256QAM	1	0	19.45	19.44	19.69	20.7
15	256QAM	1	37	19.45	19.52	19.47	
15	256QAM	1	74	19.44	19.49	19.41	
15	256QAM	36	0	19.21	19.26	19.28	20.7
15	256QAM	36	20	19.27	19.39	19.28	
15	256QAM	36	39	19.38	19.35	19.35	
15	256QAM	75	0	19.40	19.38	19.38	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.09	24.33	24.46	25.7
10	QPSK	1	25	24.10	24.18	24.16	
10	QPSK	1	49	24.13	24.01	24.01	
10	QPSK	25	0	23.26	23.33	23.41	24.7
10	QPSK	25	12	23.24	23.37	23.39	
10	QPSK	25	25	23.30	23.26	23.28	
10	QPSK	50	0	23.26	23.28	23.28	
10	16QAM	1	0	23.49	23.47	23.65	24.7
10	16QAM	1	25	23.39	23.29	23.44	
10	16QAM	1	49	23.36	23.31	23.33	
10	16QAM	25	0	22.31	22.37	22.41	23.7
10	16QAM	25	12	22.33	22.39	22.30	
10	16QAM	25	25	22.30	22.26	22.20	
10	16QAM	50	0	22.25	22.32	22.26	
10	64QAM	1	0	22.44	22.55	22.62	23.7
10	64QAM	1	25	22.41	22.30	22.47	
10	64QAM	1	49	22.41	22.40	22.30	
10	64QAM	25	0	21.35	21.39	21.46	22.7
10	64QAM	25	12	21.36	21.34	21.40	
10	64QAM	25	25	21.35	21.32	21.25	
10	64QAM	50	0	21.33	21.37	21.27	
10	256QAM	1	0	19.52	19.38	19.68	20.7
10	256QAM	1	25	19.45	19.45	19.40	
10	256QAM	1	49	19.41	19.45	19.46	
10	256QAM	25	0	19.23	19.28	19.21	20.7
10	256QAM	25	12	19.34	19.41	19.28	
10	256QAM	25	25	19.39	19.42	19.38	
10	256QAM	50	0	19.29	19.39	19.28	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.13	24.32	24.45	25.7
5	QPSK	1	12	24.09	24.23	24.13	
5	QPSK	1	24	24.12	24.09	24.04	
5	QPSK	12	0	23.19	23.34	23.44	24.7
5	QPSK	12	7	23.25	23.28	23.34	
5	QPSK	12	13	23.29	23.32	23.22	
5	QPSK	25	0	23.29	23.33	23.37	
5	16QAM	1	0	23.47	23.49	23.63	24.7
5	16QAM	1	12	23.38	23.22	23.43	
5	16QAM	1	24	23.36	23.31	23.31	
5	16QAM	12	0	22.28	22.42	22.38	23.7
5	16QAM	12	7	22.39	22.40	22.31	
5	16QAM	12	13	22.29	22.32	22.24	
5	16QAM	25	0	22.27	22.36	22.23	
5	64QAM	1	0	22.39	22.57	22.68	23.7
5	64QAM	1	12	22.44	22.30	22.49	



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5	64QAM	1	24	22.39	22.30	22.25	
5	64QAM	12	0	21.35	21.43	21.51	22.7
5	64QAM	12	7	21.41	21.35	21.36	
5	64QAM	12	13	21.39	21.36	21.28	
5	64QAM	25	0	21.35	21.37	21.31	
5	256QAM	1	0	19.49	19.39	19.67	20.7
5	256QAM	1	12	19.38	19.53	19.41	
5	256QAM	1	24	19.41	19.50	19.40	
5	256QAM	12	0	19.26	19.33	19.21	20.7
5	256QAM	12	7	19.37	19.40	19.34	
5	256QAM	12	13	19.34	19.43	19.41	
5	256QAM	25	0	19.33	19.43	19.29	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.19	24.30	24.39	25.7
3	QPSK	1	8	24.11	24.17	24.20	
3	QPSK	1	14	24.13	24.11	24.03	
3	QPSK	8	0	23.23	23.38	23.44	24.7
3	QPSK	8	4	23.28	23.32	23.32	
3	QPSK	8	7	23.30	23.26	23.29	
3	QPSK	15	0	23.31	23.27	23.31	
3	16QAM	1	0	23.47	23.50	23.61	24.7
3	16QAM	1	8	23.48	23.28	23.41	
3	16QAM	1	14	23.39	23.31	23.35	
3	16QAM	8	0	22.28	22.42	22.43	23.7
3	16QAM	8	4	22.38	22.32	22.34	
3	16QAM	8	7	22.30	22.33	22.24	
3	16QAM	15	0	22.33	22.30	22.24	
3	64QAM	1	0	22.43	22.49	22.58	23.7
3	64QAM	1	8	22.44	22.34	22.51	
3	64QAM	1	14	22.43	22.31	22.26	
3	64QAM	8	0	21.32	21.45	21.47	
3	64QAM	8	4	21.40	21.41	21.33	22.7
3	64QAM	8	7	21.37	21.37	21.29	
3	64QAM	15	0	21.26	21.29	21.27	
3	256QAM	1	0	19.54	19.42	19.68	
3	256QAM	1	8	19.38	19.54	19.42	20.7
3	256QAM	1	14	19.43	19.48	19.38	
3	256QAM	8	0	19.24	19.26	19.26	
3	256QAM	8	4	19.34	19.35	19.35	20.7
3	256QAM	8	7	19.28	19.37	19.33	
3	256QAM	15	0	19.32	19.41	19.33	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.03	24.10	24.07	25.7
1.4	QPSK	1	3	23.96	23.99	24.00	
1.4	QPSK	1	5	24.04	24.10	24.05	
1.4	QPSK	3	0	23.96	24.03	24.00	
1.4	QPSK	3	1	24.05	24.09	24.09	
1.4	QPSK	3	3	24.01	24.07	24.04	
1.4	QPSK	6	0	23.05	23.10	23.07	24.7
1.4	16QAM	1	0	23.29	23.26	23.34	24.7
1.4	16QAM	1	3	23.23	23.18	23.21	
1.4	16QAM	1	5	23.30	23.28	23.31	
1.4	16QAM	3	0	23.12	23.13	23.16	
1.4	16QAM	3	1	23.22	23.19	23.22	



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1.4	16QAM	3	3	23.22	23.18	23.18	
1.4	16QAM	6	0	22.12	22.10	22.12	23.7
1.4	64QAM	1	0	22.25	22.22	22.21	23.7
1.4	64QAM	1	3	22.17	22.15	22.11	
1.4	64QAM	1	5	22.25	22.23	22.30	
1.4	64QAM	3	0	22.14	22.15	22.14	
1.4	64QAM	3	1	22.23	22.20	22.24	
1.4	64QAM	3	3	22.21	22.16	22.18	
1.4	64QAM	6	0	21.06	21.08	21.03	22.7
1.4	256QAM	1	0	19.47	19.44	19.63	20.7
1.4	256QAM	1	3	19.48	19.54	19.41	
1.4	256QAM	1	5	19.40	19.50	19.40	
1.4	256QAM	3	0	19.20	19.34	19.25	
1.4	256QAM	3	1	19.32	19.43	19.32	
1.4	256QAM	3	3	19.36	19.43	19.29	
1.4	256QAM	6	0	19.34	19.35	19.42	20.7



FDD LTE Band 4_TX0 (Index 4/5/6)

Ant 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	22.82	22.90	23.07	23.8
20	QPSK	1	49	22.75	22.75	22.81	
20	QPSK	1	99	22.76	22.73	22.68	
20	QPSK	50	0	22.92	23.02	23.07	23.8
20	QPSK	50	24	22.94	23.00	23.02	
20	QPSK	50	50	22.95	22.93	22.88	
20	QPSK	100	0	22.92	23.00	23.00	23.8
20	16QAM	1	0	23.22	23.35	23.43	
20	16QAM	1	49	23.15	23.07	23.21	
20	16QAM	1	99	23.12	22.99	23.02	23.3
20	16QAM	50	0	22.45	22.53	22.57	
20	16QAM	50	24	22.47	22.48	22.50	
20	16QAM	50	50	22.45	22.41	22.38	23.3
20	16QAM	100	0	22.43	22.47	22.47	
20	64QAM	1	0	22.54	22.71	22.75	
20	64QAM	1	49	22.51	22.50	22.60	23.3
20	64QAM	1	99	22.46	22.53	22.51	
20	64QAM	50	0	21.47	21.55	21.60	
20	64QAM	50	24	21.49	21.50	21.52	22.3
20	64QAM	50	50	21.47	21.43	21.41	
20	64QAM	100	0	21.46	21.47	21.48	
20	256QAM	1	0	19.44	19.40	19.72	20.3
20	256QAM	1	49	19.52	19.49	19.48	
20	256QAM	1	99	19.37	19.42	19.38	
20	256QAM	50	0	19.24	19.31	19.33	20.3
20	256QAM	50	24	19.29	19.40	19.34	
20	256QAM	50	50	19.35	19.43	19.28	
20	256QAM	100	0	19.34	19.38	19.33	20.3
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)
15	QPSK	1	0	22.77	22.83	23.03	23.8
15	QPSK	1	37	22.71	22.71	22.71	
15	QPSK	1	74	22.68	22.65	22.65	
15	QPSK	36	0	22.89	22.92	23.06	23.8
15	QPSK	36	20	22.94	22.99	22.99	
15	QPSK	36	39	22.86	22.90	22.84	
15	QPSK	75	0	22.88	22.92	22.96	23.8
15	16QAM	1	0	23.13	23.25	23.34	
15	16QAM	1	37	23.06	22.97	23.13	
15	16QAM	1	74	23.06	22.92	22.97	23.3
15	16QAM	36	0	22.41	22.50	22.53	
15	16QAM	36	20	22.45	22.39	22.49	
15	16QAM	36	39	22.37	22.35	22.30	23.3
15	16QAM	75	0	22.35	22.41	22.38	
15	64QAM	1	0	22.49	22.61	22.71	
15	64QAM	1	37	22.49	22.49	22.52	23.3
15	64QAM	1	74	22.44	22.53	22.47	
15	64QAM	36	0	21.41	21.48	21.58	
15	64QAM	36	20	21.39	21.46	21.50	22.3
15	64QAM	36	39	21.42	21.43	21.32	



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15	64QAM	75	0	21.46	21.47	21.39	
15	256QAM	1	0	19.41	19.34	19.72	20.3
15	256QAM	1	37	19.49	19.49	19.48	
15	256QAM	1	74	19.32	19.35	19.35	
15	256QAM	36	0	19.15	19.24	19.25	20.3
15	256QAM	36	20	19.27	19.34	19.24	
15	256QAM	36	39	19.25	19.39	19.20	
15	256QAM	75	0	19.30	19.35	19.26	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.75	22.88	23.04	23.8
10	QPSK	1	25	22.67	22.68	22.78	
10	QPSK	1	49	22.76	22.67	22.65	
10	QPSK	25	0	22.92	22.96	23.01	23.8
10	QPSK	25	12	22.94	22.96	22.97	
10	QPSK	25	25	22.87	22.91	22.85	
10	QPSK	50	0	22.92	22.90	22.96	
10	16QAM	1	0	23.18	23.26	23.42	23.8
10	16QAM	1	25	23.15	22.99	23.14	
10	16QAM	1	49	23.05	22.95	22.92	
10	16QAM	25	0	22.45	22.43	22.56	23.3
10	16QAM	25	12	22.39	22.45	22.43	
10	16QAM	25	25	22.44	22.31	22.31	
10	16QAM	50	0	22.42	22.39	22.42	
10	64QAM	1	0	22.50	22.66	22.68	23.3
10	64QAM	1	25	22.50	22.50	22.60	
10	64QAM	1	49	22.43	22.50	22.50	
10	64QAM	25	0	21.40	21.50	21.50	22.3
10	64QAM	25	12	21.41	21.42	21.44	
10	64QAM	25	25	21.46	21.37	21.33	
10	64QAM	50	0	21.36	21.39	21.45	
10	256QAM	1	0	19.35	19.40	19.70	20.3
10	256QAM	1	25	19.49	19.43	19.44	
10	256QAM	1	49	19.33	19.38	19.29	
10	256QAM	25	0	19.16	19.25	19.27	20.3
10	256QAM	25	12	19.26	19.33	19.29	
10	256QAM	25	25	19.25	19.36	19.21	
10	256QAM	50	0	19.26	19.35	19.30	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.73	22.86	22.99	23.8
5	QPSK	1	12	22.72	22.65	22.78	
5	QPSK	1	24	22.66	22.65	22.60	
5	QPSK	12	0	22.92	23.00	22.99	23.8
5	QPSK	12	7	22.92	22.99	22.93	
5	QPSK	12	13	22.95	22.92	22.84	
5	QPSK	25	0	22.90	22.96	22.93	
5	16QAM	1	0	23.22	23.28	23.36	23.8
5	16QAM	1	12	23.06	23.07	23.15	
5	16QAM	1	24	23.04	22.91	22.92	
5	16QAM	12	0	22.40	22.46	22.56	23.3
5	16QAM	12	7	22.41	22.44	22.40	
5	16QAM	12	13	22.41	22.37	22.35	
5	16QAM	25	0	22.40	22.45	22.41	
5	64QAM	1	0	22.45	22.66	22.65	23.3
5	64QAM	1	12	22.49	22.40	22.51	



5	64QAM	1	24	22.39	22.51	22.41	
5	64QAM	12	0	21.45	21.53	21.55	22.3
5	64QAM	12	7	21.46	21.50	21.42	
5	64QAM	12	13	21.39	21.41	21.31	
5	64QAM	25	0	21.36	21.38	21.42	
5	256QAM	1	0	19.42	19.36	19.65	20.3
5	256QAM	1	12	19.46	19.45	19.41	
5	256QAM	1	24	19.37	19.36	19.30	
5	256QAM	12	0	19.15	19.26	19.31	20.3
5	256QAM	12	7	19.27	19.40	19.33	
5	256QAM	12	13	19.33	19.43	19.23	
5	256QAM	25	0	19.25	19.33	19.25	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.80	22.85	23.04	23.8
3	QPSK	1	8	22.74	22.72	22.76	
3	QPSK	1	14	22.70	22.70	22.64	
3	QPSK	8	0	22.83	22.98	23.00	23.8
3	QPSK	8	4	22.92	22.98	23.01	
3	QPSK	8	7	22.92	22.86	22.80	
3	QPSK	15	0	22.85	22.90	22.90	
3	16QAM	1	0	23.20	23.28	23.42	23.8
3	16QAM	1	8	23.14	23.05	23.11	
3	16QAM	1	14	23.04	22.93	22.94	
3	16QAM	8	0	22.45	22.44	22.50	23.3
3	16QAM	8	4	22.44	22.43	22.49	
3	16QAM	8	7	22.35	22.36	22.33	
3	16QAM	15	0	22.36	22.44	22.44	
3	64QAM	1	0	22.49	22.67	22.69	23.3
3	64QAM	1	8	22.46	22.45	22.56	
3	64QAM	1	14	22.36	22.50	22.45	
3	64QAM	8	0	21.40	21.48	21.57	22.3
3	64QAM	8	4	21.39	21.40	21.48	
3	64QAM	8	7	21.39	21.37	21.31	
3	64QAM	15	0	21.41	21.42	21.41	
3	256QAM	1	0	19.34	19.36	19.65	20.3
3	256QAM	1	8	19.46	19.41	19.48	
3	256QAM	1	14	19.32	19.40	19.35	
3	256QAM	8	0	19.14	19.22	19.23	20.3
3	256QAM	8	4	19.24	19.35	19.24	
3	256QAM	8	7	19.32	19.41	19.19	
3	256QAM	15	0	19.29	19.36	19.32	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.73	22.70	22.90	23.8
1.4	QPSK	1	3	22.63	22.64	22.64	
1.4	QPSK	1	5	22.60	22.63	22.58	
1.4	QPSK	3	0	22.74	22.87	22.89	
1.4	QPSK	3	1	22.79	22.82	22.93	
1.4	QPSK	3	3	22.88	22.74	22.67	
1.4	QPSK	6	0	22.77	22.79	22.77	23.8
1.4	16QAM	1	0	23.04	23.20	23.37	23.8
1.4	16QAM	1	3	23.05	22.90	22.99	
1.4	16QAM	1	5	22.90	22.83	22.81	
1.4	16QAM	3	0	23.08	23.18	23.31	
1.4	16QAM	3	1	23.05	22.93	22.95	



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1.4	16QAM	3	3	22.93	22.82	22.89	
1.4	16QAM	6	0	22.25	22.38	22.41	23.3
1.4	64QAM	1	0	22.39	22.56	22.54	23.3
1.4	64QAM	1	3	22.41	22.31	22.46	
1.4	64QAM	1	5	22.22	22.41	22.33	
1.4	64QAM	3	0	22.39	22.61	22.63	
1.4	64QAM	3	1	22.37	22.34	22.48	
1.4	64QAM	3	3	22.18	22.43	22.31	
1.4	64QAM	6	0	21.31	21.35	21.22	22.3
1.4	256QAM	1	0	19.22	19.30	19.54	20.3
1.4	256QAM	1	3	19.36	19.31	19.35	
1.4	256QAM	1	5	19.27	19.25	19.29	
1.4	256QAM	3	0	19.01	19.11	19.14	
1.4	256QAM	3	1	19.23	19.21	19.05	
1.4	256QAM	3	3	19.21	19.30	19.01	
1.4	256QAM	6	0	19.19	19.24	19.12	20.3



FDD LTE Band 4_TX1 (Index 1/2/3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.57	23.61	23.71	25.2
20	QPSK	1	49	23.53	23.45	23.45	
20	QPSK	1	99	23.52	23.37	23.26	
20	QPSK	50	0	22.56	22.61	22.63	24.2
20	QPSK	50	24	22.59	22.59	22.57	
20	QPSK	50	50	22.58	22.51	22.47	
20	QPSK	100	0	22.58	22.55	22.54	24.2
20	16QAM	1	0	22.87	22.92	23.05	
20	16QAM	1	49	22.79	22.73	22.78	
20	16QAM	1	99	22.79	22.69	22.53	23.2
20	16QAM	50	0	21.57	21.61	21.63	
20	16QAM	50	24	21.59	21.58	21.57	
20	16QAM	50	50	21.59	21.50	21.45	23.2
20	16QAM	100	0	21.58	21.53	21.51	
20	64QAM	1	0	21.69	21.84	21.96	
20	64QAM	1	49	21.73	21.78	21.51	23.2
20	64QAM	1	99	21.69	21.71	21.28	
20	64QAM	50	0	20.62	20.64	20.66	
20	64QAM	50	24	20.63	20.62	20.61	22.2
20	64QAM	50	50	20.61	20.55	20.49	
20	64QAM	100	0	20.56	20.54	20.54	
20	256QAM	1	0	18.82	18.66	18.97	20.2
20	256QAM	1	49	18.85	18.93	18.86	
20	256QAM	1	99	18.81	18.82	18.78	
20	256QAM	50	0	18.51	18.53	18.50	20.2
20	256QAM	50	24	18.51	18.61	18.60	
20	256QAM	50	50	18.62	18.65	18.65	
20	256QAM	100	0	18.66	18.68	18.60	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)
15	QPSK	1	0	23.22	23.42	23.50	25.2
15	QPSK	1	37	23.31	23.36	23.30	
15	QPSK	1	74	23.38	23.30	23.21	
15	QPSK	36	0	22.45	22.52	22.55	24.2
15	QPSK	36	20	22.48	22.48	22.47	
15	QPSK	36	39	22.47	22.44	22.40	
15	QPSK	75	0	22.48	22.47	22.47	24.2
15	16QAM	1	0	22.64	22.82	22.88	
15	16QAM	1	37	22.50	22.70	22.62	
15	16QAM	1	74	22.72	22.60	22.49	23.2
15	16QAM	36	0	21.46	21.55	21.57	
15	16QAM	36	20	21.51	21.54	21.49	
15	16QAM	36	39	21.51	21.48	21.40	23.2
15	16QAM	75	0	21.50	21.50	21.47	
15	64QAM	1	0	21.55	21.76	21.74	
15	64QAM	1	37	21.53	21.56	21.51	23.2
15	64QAM	1	74	21.55	21.48	21.31	
15	64QAM	36	0	20.48	20.56	20.59	
15	64QAM	36	20	20.51	20.56	20.52	22.2
15	64QAM	36	39	20.53	20.50	20.42	



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15	64QAM	75	0	20.50	20.51	20.47	
15	256QAM	1	0	18.80	18.62	18.97	20.2
15	256QAM	1	37	18.82	18.83	18.89	
15	256QAM	1	74	18.69	18.82	18.77	
15	256QAM	36	0	18.42	18.45	18.38	20.2
15	256QAM	36	20	18.51	18.57	18.49	
15	256QAM	36	39	18.51	18.59	18.59	
15	256QAM	75	0	18.61	18.62	18.60	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.20	23.33	23.42	25.2
10	QPSK	1	25	23.21	23.27	23.24	
10	QPSK	1	49	23.33	23.21	23.20	
10	QPSK	25	0	22.36	22.52	22.45	24.2
10	QPSK	25	12	22.44	22.40	22.47	
10	QPSK	25	25	22.42	22.40	22.36	
10	QPSK	50	0	22.38	22.41	22.37	
10	16QAM	1	0	22.55	22.72	22.83	24.2
10	16QAM	1	25	22.45	22.66	22.57	
10	16QAM	1	49	22.65	22.50	22.39	
10	16QAM	25	0	21.41	21.52	21.53	23.2
10	16QAM	25	12	21.45	21.52	21.39	
10	16QAM	25	25	21.46	21.39	21.38	
10	16QAM	50	0	21.45	21.43	21.38	
10	64QAM	1	0	21.49	21.69	21.64	23.2
10	64QAM	1	25	21.50	21.47	21.48	
10	64QAM	1	49	21.49	21.48	21.28	
10	64QAM	25	0	20.43	20.56	20.56	22.2
10	64QAM	25	12	20.50	20.52	20.52	
10	64QAM	25	25	20.47	20.43	20.36	
10	64QAM	50	0	20.47	20.51	20.43	
10	256QAM	1	0	18.74	18.59	18.96	20.2
10	256QAM	1	25	18.87	18.85	18.87	
10	256QAM	1	49	18.65	18.75	18.67	
10	256QAM	25	0	18.36	18.45	18.44	20.2
10	256QAM	25	12	18.47	18.58	18.56	
10	256QAM	25	25	18.59	18.62	18.56	
10	256QAM	50	0	18.50	18.58	18.59	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.20	23.42	23.47	25.2
5	QPSK	1	12	23.28	23.28	23.20	
5	QPSK	1	24	23.28	23.29	23.21	
5	QPSK	12	0	22.38	22.43	22.46	24.2
5	QPSK	12	7	22.39	22.48	22.42	
5	QPSK	12	13	22.39	22.44	22.38	
5	QPSK	25	0	22.46	22.43	22.45	
5	16QAM	1	0	22.54	22.81	22.79	24.2
5	16QAM	1	12	22.47	22.61	22.61	
5	16QAM	1	24	22.67	22.56	22.44	
5	16QAM	12	0	21.36	21.51	21.49	23.2
5	16QAM	12	7	21.44	21.48	21.40	
5	16QAM	12	13	21.44	21.43	21.33	
5	16QAM	25	0	21.44	21.40	21.42	
5	64QAM	1	0	21.45	21.69	21.65	23.2
5	64QAM	1	12	21.49	21.48	21.44	



5	64QAM	1	24	21.52	21.47	21.27	
5	64QAM	12	0	20.42	20.49	20.57	22.2
5	64QAM	12	7	20.42	20.50	20.46	
5	64QAM	12	13	20.46	20.43	20.41	
5	64QAM	25	0	20.45	20.46	20.44	
5	256QAM	1	0	18.75	18.63	18.95	20.2
5	256QAM	1	12	18.86	18.89	18.89	
5	256QAM	1	24	18.80	18.75	18.63	
5	256QAM	12	0	18.42	18.49	18.36	20.2
5	256QAM	12	7	18.43	18.56	18.50	
5	256QAM	12	13	18.56	18.58	18.54	
5	256QAM	25	0	18.55	18.66	18.55	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.22	23.34	23.48	25.2
3	QPSK	1	8	23.31	23.28	23.23	
3	QPSK	1	14	23.33	23.29	23.21	
3	QPSK	8	0	22.40	22.51	22.49	24.2
3	QPSK	8	4	22.39	22.39	22.46	
3	QPSK	8	7	22.44	22.42	22.34	
3	QPSK	15	0	22.42	22.46	22.39	
3	16QAM	1	0	22.56	22.73	22.87	24.2
3	16QAM	1	8	22.48	22.69	22.56	
3	16QAM	1	14	22.71	22.54	22.41	
3	16QAM	8	0	21.44	21.48	21.57	23.2
3	16QAM	8	4	21.48	21.53	21.43	
3	16QAM	8	7	21.42	21.39	21.32	
3	16QAM	15	0	21.42	21.50	21.41	
3	64QAM	1	0	21.45	21.69	21.66	23.2
3	64QAM	1	8	21.43	21.54	21.44	
3	64QAM	1	14	21.45	21.46	21.23	
3	64QAM	8	0	20.42	20.46	20.51	
3	64QAM	8	4	20.44	20.49	20.44	22.2
3	64QAM	8	7	20.52	20.42	20.36	
3	64QAM	15	0	20.42	20.42	20.47	
3	256QAM	1	0	18.72	18.56	18.89	
3	256QAM	1	8	18.81	18.83	18.87	20.2
3	256QAM	1	14	18.76	18.72	18.70	
3	256QAM	8	0	18.39	18.43	18.42	
3	256QAM	8	4	18.51	18.56	18.50	20.2
3	256QAM	8	7	18.59	18.58	18.47	
3	256QAM	15	0	18.57	18.62	18.59	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.56	23.52	23.46	25.2
1.4	QPSK	1	3	23.49	23.44	23.31	
1.4	QPSK	1	5	23.56	23.50	23.41	
1.4	QPSK	3	0	23.48	23.43	23.36	
1.4	QPSK	3	1	23.56	23.45	23.43	
1.4	QPSK	3	3	23.56	23.47	23.42	
1.4	QPSK	6	0	22.57	22.50	22.43	24.2
1.4	16QAM	1	0	22.80	22.75	22.69	24.2
1.4	16QAM	1	3	22.70	22.66	22.53	
1.4	16QAM	1	5	22.83	22.79	22.70	
1.4	16QAM	3	0	22.59	22.56	22.53	
1.4	16QAM	3	1	22.61	22.59	22.55	



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1.4	16QAM	3	3	22.65	22.62	22.57	
1.4	16QAM	6	0	21.60	21.55	21.46	23.2
1.4	64QAM	1	0	21.64	21.61	21.55	23.2
1.4	64QAM	1	3	21.54	21.49	21.43	
1.4	64QAM	1	5	21.66	21.63	21.55	
1.4	64QAM	3	0	21.57	21.57	21.47	
1.4	64QAM	3	1	21.69	21.66	21.50	
1.4	64QAM	3	3	21.67	21.64	21.54	
1.4	64QAM	6	0	20.56	20.57	20.41	22.2
1.4	256QAM	1	0	18.75	18.61	18.95	20.2
1.4	256QAM	1	3	18.78	18.89	18.74	
1.4	256QAM	1	5	18.77	18.79	18.72	
1.4	256QAM	3	0	18.44	18.45	18.47	
1.4	256QAM	3	1	18.41	18.57	18.59	
1.4	256QAM	3	3	18.50	18.56	18.57	
1.4	256QAM	6	0	18.58	18.68	18.57	20.2



FDD LTE Band 4_TX1 (Index 4/5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.41	22.48	22.55	23.7
20	QPSK	1	49	22.36	22.30	22.30	
20	QPSK	1	99	22.38	22.24	22.13	
20	QPSK	50	0	22.47	22.57	22.56	23.7
20	QPSK	50	24	22.46	22.48	22.47	
20	QPSK	50	50	22.46	22.41	22.37	
20	QPSK	100	0	22.47	22.48	22.45	23.7
20	16QAM	1	0	22.77	22.84	22.79	
20	16QAM	1	49	22.66	22.54	22.66	
20	16QAM	1	99	22.70	22.45	22.46	23.2
20	16QAM	50	0	21.96	22.03	22.06	
20	16QAM	50	24	21.98	21.99	21.98	
20	16QAM	50	50	21.97	21.91	21.87	23.2
20	16QAM	100	0	21.96	21.94	21.93	
20	64QAM	1	0	22.17	22.30	22.42	
20	64QAM	1	49	22.14	22.26	22.17	22.2
20	64QAM	1	99	22.18	22.09	21.94	
20	64QAM	50	0	21.00	21.05	21.10	
20	64QAM	50	24	21.02	21.03	21.01	20.2
20	64QAM	50	50	21.01	20.96	20.89	
20	64QAM	100	0	20.96	20.96	20.97	
20	256QAM	1	0	18.76	18.60	18.89	20.2
20	256QAM	1	49	18.75	18.90	18.82	
20	256QAM	1	99	18.77	18.74	18.73	
20	256QAM	50	0	18.42	18.44	18.50	20.2
20	256QAM	50	24	18.49	18.57	18.55	
20	256QAM	50	50	18.62	18.57	18.60	
20	256QAM	100	0	18.63	18.63	18.53	Tune-up limit (dBm)
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.34	22.40	22.50	23.7
15	QPSK	1	37	22.32	22.29	22.26	
15	QPSK	1	74	22.35	22.21	22.11	
15	QPSK	36	0	22.47	22.48	22.48	23.7
15	QPSK	36	20	22.38	22.42	22.43	
15	QPSK	36	39	22.37	22.33	22.29	
15	QPSK	75	0	22.47	22.41	22.35	23.7
15	16QAM	1	0	22.76	22.81	22.75	
15	16QAM	1	37	22.65	22.51	22.65	
15	16QAM	1	74	22.67	22.42	22.37	23.2
15	16QAM	36	0	21.89	22.03	21.96	
15	16QAM	36	20	21.97	21.91	21.93	
15	16QAM	36	39	21.93	21.85	21.82	23.2
15	16QAM	75	0	21.93	21.94	21.88	
15	64QAM	1	0	22.15	22.26	22.42	
15	64QAM	1	37	22.07	22.25	22.17	22.2
15	64QAM	1	74	22.17	21.99	21.90	
15	64QAM	36	0	21.00	20.98	21.00	
15	64QAM	36	20	20.98	21.01	20.91	
15	64QAM	36	39	20.96	20.91	20.82	



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15	64QAM	75	0	20.95	20.93	20.90	
15	256QAM	1	0	18.71	18.60	18.80	20.2
15	256QAM	1	37	18.73	18.84	18.73	
15	256QAM	1	74	18.73	18.71	18.71	
15	256QAM	36	0	18.32	18.38	18.49	20.2
15	256QAM	36	20	18.49	18.52	18.51	
15	256QAM	36	39	18.53	18.49	18.53	
15	256QAM	75	0	18.59	18.53	18.46	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.33	22.44	22.45	23.7
10	QPSK	1	25	22.35	22.27	22.25	
10	QPSK	1	49	22.33	22.16	22.11	
10	QPSK	25	0	22.41	22.48	22.46	23.7
10	QPSK	25	12	22.40	22.46	22.37	
10	QPSK	25	25	22.38	22.40	22.34	
10	QPSK	50	0	22.43	22.41	22.38	
10	16QAM	1	0	22.76	22.75	22.71	23.7
10	16QAM	1	25	22.64	22.44	22.64	
10	16QAM	1	49	22.68	22.40	22.46	
10	16QAM	25	0	21.87	21.95	22.04	23.2
10	16QAM	25	12	21.88	21.94	21.94	
10	16QAM	25	25	21.88	21.81	21.87	
10	16QAM	50	0	21.92	21.90	21.87	
10	64QAM	1	0	22.13	22.28	22.42	23.2
10	64QAM	1	25	22.09	22.19	22.14	
10	64QAM	1	49	22.15	22.04	21.86	
10	64QAM	25	0	20.97	20.98	21.05	22.2
10	64QAM	25	12	20.92	20.99	20.91	
10	64QAM	25	25	20.95	20.89	20.86	
10	64QAM	50	0	20.87	20.86	20.89	
10	256QAM	1	0	18.66	18.54	18.83	20.2
10	256QAM	1	25	18.74	18.80	18.74	
10	256QAM	1	49	18.71	18.72	18.67	
10	256QAM	25	0	18.38	18.38	18.49	20.2
10	256QAM	25	12	18.48	18.50	18.49	
10	256QAM	25	25	18.55	18.53	18.59	
10	256QAM	50	0	18.63	18.60	18.47	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.31	22.39	22.55	23.7
5	QPSK	1	12	22.33	22.28	22.22	
5	QPSK	1	24	22.34	22.21	22.11	
5	QPSK	12	0	22.43	22.57	22.55	23.7
5	QPSK	12	7	22.44	22.46	22.42	
5	QPSK	12	13	22.44	22.35	22.34	
5	QPSK	25	0	22.42	22.40	22.36	
5	16QAM	1	0	22.70	22.81	22.77	23.7
5	16QAM	1	12	22.65	22.49	22.56	
5	16QAM	1	24	22.60	22.39	22.36	
5	16QAM	12	0	21.94	21.94	21.99	23.2
5	16QAM	12	7	21.94	21.91	21.88	
5	16QAM	12	13	21.92	21.87	21.81	
5	16QAM	25	0	21.93	21.94	21.93	
5	64QAM	1	0	22.17	22.23	22.38	23.2
5	64QAM	1	12	22.05	22.22	22.12	



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5	64QAM	1	24	22.16	22.08	21.90	
5	64QAM	12	0	20.91	20.98	21.04	22.2
5	64QAM	12	7	20.92	21.02	20.98	
5	64QAM	12	13	21.00	20.86	20.88	
5	64QAM	25	0	20.86	20.92	20.88	
5	256QAM	1	0	18.69	18.50	18.88	20.2
5	256QAM	1	12	18.67	18.86	18.82	
5	256QAM	1	24	18.72	18.69	18.70	
5	256QAM	12	0	18.39	18.44	18.43	20.2
5	256QAM	12	7	18.48	18.53	18.51	
5	256QAM	12	13	18.58	18.55	18.50	
5	256QAM	25	0	18.62	18.56	18.51	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.40	22.48	22.55	23.7
3	QPSK	1	8	22.27	22.30	22.28	
3	QPSK	1	14	22.30	22.18	22.11	
3	QPSK	8	0	22.47	22.47	22.54	23.7
3	QPSK	8	4	22.37	22.42	22.47	
3	QPSK	8	7	22.44	22.35	22.28	
3	QPSK	15	0	22.45	22.46	22.45	
3	16QAM	1	0	22.72	22.79	22.70	23.7
3	16QAM	1	8	22.61	22.47	22.66	
3	16QAM	1	14	22.66	22.36	22.41	
3	16QAM	8	0	21.90	21.93	21.97	23.2
3	16QAM	8	4	21.92	21.98	21.93	
3	16QAM	8	7	21.90	21.89	21.81	
3	16QAM	15	0	21.95	21.87	21.90	
3	64QAM	1	0	22.17	22.22	22.33	23.2
3	64QAM	1	8	22.04	22.20	22.07	
3	64QAM	1	14	22.16	22.07	21.86	
3	64QAM	8	0	20.95	21.02	21.00	22.2
3	64QAM	8	4	20.92	20.96	20.93	
3	64QAM	8	7	20.99	20.90	20.80	
3	64QAM	15	0	20.94	20.95	20.91	
3	256QAM	1	0	18.67	18.57	18.86	20.2
3	256QAM	1	8	18.65	18.83	18.75	
3	256QAM	1	14	18.70	18.72	18.65	
3	256QAM	8	0	18.32	18.41	18.44	20.2
3	256QAM	8	4	18.40	18.47	18.47	
3	256QAM	8	7	18.57	18.49	18.53	
3	256QAM	15	0	18.60	18.56	18.50	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.37	22.40	22.36	23.7
1.4	QPSK	1	3	22.33	22.31	22.26	
1.4	QPSK	1	5	22.40	22.39	22.36	
1.4	QPSK	3	0	22.32	22.34	22.31	
1.4	QPSK	3	1	22.41	22.40	22.39	
1.4	QPSK	3	3	22.38	22.38	22.35	
1.4	QPSK	6	0	22.41	22.38	22.34	23.7
1.4	16QAM	1	0	22.66	22.70	22.63	23.7
1.4	16QAM	1	3	22.63	22.59	22.48	
1.4	16QAM	1	5	22.66	22.67	22.61	
1.4	16QAM	3	0	22.46	22.48	22.42	
1.4	16QAM	3	1	22.56	22.56	22.46	



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1.4	16QAM	3	3	22.54	22.47	22.42	
1.4	16QAM	6	0	21.97	22.02	21.87	23.2
1.4	64QAM	1	0	22.09	22.10	21.99	23.2
1.4	64QAM	1	3	22.02	22.02	21.97	
1.4	64QAM	1	5	22.06	22.06	21.95	
1.4	64QAM	3	0	21.95	21.96	21.90	
1.4	64QAM	3	1	22.03	22.09	22.02	
1.4	64QAM	3	3	21.99	22.02	21.95	
1.4	64QAM	6	0	20.94	20.95	20.80	22.2
1.4	256QAM	1	0	18.69	18.55	18.94	20.2
1.4	256QAM	1	3	18.76	18.83	18.65	
1.4	256QAM	1	5	18.69	18.70	18.71	
1.4	256QAM	3	0	18.34	18.37	18.47	
1.4	256QAM	3	1	18.32	18.55	18.49	
1.4	256QAM	3	3	18.48	18.50	18.49	
1.4	256QAM	6	0	18.52	18.62	18.49	20.2



FDD LTE Band 5_TX0 (Index 1/2/3/4/5)

Ant 0							
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	23.85	23.86	23.84	25.7
10	QPSK	1	25	23.70	23.71	23.70	
10	QPSK	1	49	23.74	23.74	23.70	
10	QPSK	25	0	22.92	22.93	22.90	24.7
10	QPSK	25	12	22.89	22.87	22.86	
10	QPSK	25	25	22.83	22.86	22.80	
10	QPSK	50	0	22.85	22.86	22.83	24.7
10	16QAM	1	0	23.22	23.23	23.18	
10	16QAM	1	25	23.16	23.20	23.08	
10	16QAM	1	49	23.14	23.10	23.09	23.7
10	16QAM	25	0	21.92	21.90	21.87	
10	16QAM	25	12	21.93	21.87	21.87	
10	16QAM	25	25	21.88	21.86	21.84	23.7
10	16QAM	50	0	21.89	21.88	21.84	
10	64QAM	1	0	21.99	22.02	22.26	
10	64QAM	1	25	21.98	22.14	22.02	23.7
10	64QAM	1	49	22.17	22.01	22.04	
10	64QAM	25	0	20.92	20.90	20.87	
10	64QAM	25	12	20.90	20.87	20.86	22.7
10	64QAM	25	25	20.89	20.86	20.84	
10	64QAM	50	0	20.89	20.90	20.85	
10	256QAM	1	0	19.21	18.97	19.12	20.7
10	256QAM	1	25	19.10	19.10	19.08	
10	256QAM	1	49	19.04	19.11	19.03	
10	256QAM	25	0	18.92	18.92	18.82	20.7
10	256QAM	25	12	18.88	18.95	18.86	
10	256QAM	25	25	18.97	18.97	18.95	
10	256QAM	50	0	18.82	18.91	18.91	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.79	23.77	23.75	25.7
5	QPSK	1	12	23.60	23.64	23.68	
5	QPSK	1	24	23.65	23.72	23.70	
5	QPSK	12	0	22.82	22.87	22.90	24.7
5	QPSK	12	7	22.86	22.86	22.85	
5	QPSK	12	13	22.74	22.82	22.76	
5	QPSK	25	0	22.75	22.86	22.81	24.7
5	16QAM	1	0	23.20	23.14	23.12	
5	16QAM	1	12	23.06	23.13	23.03	
5	16QAM	1	24	23.11	23.07	23.09	23.7
5	16QAM	12	0	21.85	21.86	21.81	
5	16QAM	12	7	21.93	21.77	21.84	
5	16QAM	12	13	21.82	21.85	21.78	23.7
5	16QAM	25	0	21.81	21.86	21.79	
5	64QAM	1	0	21.99	21.93	22.16	
5	64QAM	1	12	21.92	22.14	22.02	23.7
5	64QAM	1	24	22.11	21.99	22.03	
5	64QAM	12	0	20.83	20.82	20.79	
5	64QAM	12	7	20.82	20.80	20.81	22.7
5	64QAM	12	13	20.86	20.85	20.76	



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5	64QAM	25	0	20.88	20.83	20.80	
5	256QAM	1	0	19.18	18.88	19.11	20.7
5	256QAM	1	12	18.92	19.03	19.02	
5	256QAM	1	24	19.03	19.02	19.00	
5	256QAM	12	0	18.79	18.90	18.81	20.7
5	256QAM	12	7	18.80	18.91	18.79	
5	256QAM	12	13	18.97	18.95	18.96	
5	256QAM	25	0	18.87	18.85	18.79	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.76	23.84	23.80	25.7
3	QPSK	1	8	23.64	23.63	23.66	
3	QPSK	1	14	23.68	23.70	23.62	
3	QPSK	8	0	22.83	22.91	22.90	24.7
3	QPSK	8	4	22.89	22.86	22.76	
3	QPSK	8	7	22.79	22.86	22.75	
3	QPSK	15	0	22.81	22.77	22.81	
3	16QAM	1	0	23.20	23.14	23.13	24.7
3	16QAM	1	8	23.09	23.17	23.07	
3	16QAM	1	14	23.09	23.09	23.07	
3	16QAM	8	0	21.85	21.83	21.87	23.7
3	16QAM	8	4	21.87	21.77	21.79	
3	16QAM	8	7	21.84	21.80	21.79	
3	16QAM	15	0	21.88	21.79	21.83	
3	64QAM	1	0	21.89	21.97	22.21	23.7
3	64QAM	1	8	21.89	22.09	21.98	
3	64QAM	1	14	22.16	21.97	21.96	
3	64QAM	8	0	20.84	20.80	20.86	22.7
3	64QAM	8	4	20.83	20.87	20.82	
3	64QAM	8	7	20.89	20.81	20.80	
3	64QAM	15	0	20.87	20.84	20.75	
3	256QAM	1	0	19.20	18.97	19.09	20.7
3	256QAM	1	8	18.97	19.01	19.00	
3	256QAM	1	14	18.94	19.07	19.04	
3	256QAM	8	0	18.85	18.83	18.87	20.7
3	256QAM	8	4	18.82	18.89	18.90	
3	256QAM	8	7	18.91	18.94	18.87	
3	256QAM	15	0	18.86	18.86	18.84	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.84	23.84	23.78	25.7
1.4	QPSK	1	3	23.82	23.76	23.70	
1.4	QPSK	1	5	23.85	23.84	23.76	
1.4	QPSK	3	0	23.84	23.78	23.71	
1.4	QPSK	3	1	23.82	23.82	23.82	
1.4	QPSK	3	3	23.83	23.83	23.79	
1.4	QPSK	6	0	22.81	22.82	22.76	24.7
1.4	16QAM	1	0	23.12	23.11	22.95	24.7
1.4	16QAM	1	3	23.00	23.01	22.86	
1.4	16QAM	1	5	23.12	23.09	23.04	
1.4	16QAM	3	0	22.92	22.93	22.90	
1.4	16QAM	3	1	22.99	22.98	22.91	
1.4	16QAM	3	3	22.98	22.95	22.82	
1.4	16QAM	6	0	21.91	21.89	21.83	23.7
1.4	64QAM	1	0	22.10	22.05	21.87	23.7
1.4	64QAM	1	3	22.12	21.93	21.92	



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1.4	64QAM	1	5	22.14	21.98	21.95	
1.4	64QAM	3	0	21.95	21.91	21.83	
1.4	64QAM	3	1	22.01	21.92	21.88	
1.4	64QAM	3	3	21.97	21.93	21.86	
1.4	64QAM	6	0	20.87	20.88	20.80	22.7
1.4	256QAM	1	0	19.15	18.87	19.12	20.7
1.4	256QAM	1	3	18.97	19.07	19.01	
1.4	256QAM	1	5	19.05	19.09	19.06	
1.4	256QAM	3	0	18.90	18.85	18.85	
1.4	256QAM	3	1	18.93	18.95	18.94	
1.4	256QAM	3	3	18.87	18.92	18.84	
1.4	256QAM	6	0	18.85	18.83	18.75	20.7



FDD LTE Band 5_TX0 (Index 6)

Ant 0							
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	23.85	23.86	23.84	25.6
10	QPSK	1	25	23.70	23.71	23.70	
10	QPSK	1	49	23.74	23.74	23.70	
10	QPSK	25	0	22.92	22.93	22.90	24.6
10	QPSK	25	12	22.89	22.87	22.86	
10	QPSK	25	25	22.83	22.86	22.80	
10	QPSK	50	0	22.85	22.86	22.83	24.6
10	16QAM	1	0	23.22	23.23	23.18	
10	16QAM	1	25	23.16	23.20	23.08	
10	16QAM	1	49	23.14	23.10	23.09	23.6
10	16QAM	25	0	21.92	21.90	21.87	
10	16QAM	25	12	21.93	21.87	21.87	
10	16QAM	25	25	21.88	21.86	21.84	23.6
10	16QAM	50	0	21.89	21.88	21.84	
10	64QAM	1	0	21.99	22.02	22.26	
10	64QAM	1	25	21.98	22.14	22.02	23.6
10	64QAM	1	49	22.17	22.01	22.04	
10	64QAM	25	0	20.92	20.90	20.87	
10	64QAM	25	12	20.90	20.87	20.86	22.6
10	64QAM	25	25	20.89	20.86	20.84	
10	64QAM	50	0	20.89	20.90	20.85	
10	256QAM	1	0	19.21	18.97	19.12	20.6
10	256QAM	1	25	19.10	19.10	19.08	
10	256QAM	1	49	19.04	19.11	19.03	
10	256QAM	25	0	18.92	18.92	18.82	20.6
10	256QAM	25	12	18.88	18.95	18.86	
10	256QAM	25	25	18.97	18.97	18.95	
10	256QAM	50	0	18.82	18.91	18.91	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.79	23.77	23.75	25.6
5	QPSK	1	12	23.60	23.64	23.68	
5	QPSK	1	24	23.65	23.72	23.70	
5	QPSK	12	0	22.82	22.87	22.90	24.6
5	QPSK	12	7	22.86	22.86	22.85	
5	QPSK	12	13	22.74	22.82	22.76	
5	QPSK	25	0	22.75	22.86	22.81	24.6
5	16QAM	1	0	23.20	23.14	23.12	
5	16QAM	1	12	23.06	23.13	23.03	
5	16QAM	1	24	23.11	23.07	23.09	23.6
5	16QAM	12	0	21.85	21.86	21.81	
5	16QAM	12	7	21.93	21.77	21.84	
5	16QAM	12	13	21.82	21.85	21.78	23.6
5	16QAM	25	0	21.81	21.86	21.79	
5	64QAM	1	0	21.99	21.93	22.16	
5	64QAM	1	12	21.92	22.14	22.02	23.6
5	64QAM	1	24	22.11	21.99	22.03	
5	64QAM	12	0	20.83	20.82	20.79	
5	64QAM	12	7	20.82	20.80	20.81	22.6
5	64QAM	12	13	20.86	20.85	20.76	



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5	64QAM	25	0	20.88	20.83	20.80	
5	256QAM	1	0	19.18	18.88	19.11	20.6
5	256QAM	1	12	18.92	19.03	19.02	
5	256QAM	1	24	19.03	19.02	19.00	
5	256QAM	12	0	18.79	18.90	18.81	20.6
5	256QAM	12	7	18.80	18.91	18.79	
5	256QAM	12	13	18.97	18.95	18.96	
5	256QAM	25	0	18.87	18.85	18.79	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.76	23.84	23.80	25.6
3	QPSK	1	8	23.64	23.63	23.66	
3	QPSK	1	14	23.68	23.70	23.62	
3	QPSK	8	0	22.83	22.91	22.90	24.6
3	QPSK	8	4	22.89	22.86	22.76	
3	QPSK	8	7	22.79	22.86	22.75	
3	QPSK	15	0	22.81	22.77	22.81	
3	16QAM	1	0	23.20	23.14	23.13	24.6
3	16QAM	1	8	23.09	23.17	23.07	
3	16QAM	1	14	23.09	23.09	23.07	
3	16QAM	8	0	21.85	21.83	21.87	23.6
3	16QAM	8	4	21.87	21.77	21.79	
3	16QAM	8	7	21.84	21.80	21.79	
3	16QAM	15	0	21.88	21.79	21.83	
3	64QAM	1	0	21.89	21.97	22.21	23.6
3	64QAM	1	8	21.89	22.09	21.98	
3	64QAM	1	14	22.16	21.97	21.96	
3	64QAM	8	0	20.84	20.80	20.86	22.6
3	64QAM	8	4	20.83	20.87	20.82	
3	64QAM	8	7	20.89	20.81	20.80	
3	64QAM	15	0	20.87	20.84	20.75	
3	256QAM	1	0	19.20	18.97	19.09	20.6
3	256QAM	1	8	18.97	19.01	19.00	
3	256QAM	1	14	18.94	19.07	19.04	
3	256QAM	8	0	18.85	18.83	18.87	20.6
3	256QAM	8	4	18.82	18.89	18.90	
3	256QAM	8	7	18.91	18.94	18.87	
3	256QAM	15	0	18.86	18.86	18.84	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.84	23.84	23.78	25.6
1.4	QPSK	1	3	23.82	23.76	23.70	
1.4	QPSK	1	5	23.85	23.84	23.76	
1.4	QPSK	3	0	23.84	23.78	23.71	
1.4	QPSK	3	1	23.82	23.82	23.82	
1.4	QPSK	3	3	23.83	23.83	23.79	
1.4	QPSK	6	0	22.81	22.82	22.76	24.6
1.4	16QAM	1	0	23.12	23.11	22.95	24.6
1.4	16QAM	1	3	23.00	23.01	22.86	
1.4	16QAM	1	5	23.12	23.09	23.04	
1.4	16QAM	3	0	22.92	22.93	22.90	
1.4	16QAM	3	1	22.99	22.98	22.91	
1.4	16QAM	3	3	22.98	22.95	22.82	
1.4	16QAM	6	0	21.91	21.89	21.83	23.6
1.4	64QAM	1	0	22.10	22.05	21.87	23.6
1.4	64QAM	1	3	22.12	21.93	21.92	



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1.4	64QAM	1	5	22.14	21.98	21.95	
1.4	64QAM	3	0	21.95	21.91	21.83	
1.4	64QAM	3	1	22.01	21.92	21.88	
1.4	64QAM	3	3	21.97	21.93	21.86	
1.4	64QAM	6	0	20.87	20.88	20.80	22.6
1.4	256QAM	1	0	19.15	18.87	19.12	20.6
1.4	256QAM	1	3	18.97	19.07	19.01	
1.4	256QAM	1	5	19.05	19.09	19.06	
1.4	256QAM	3	0	18.90	18.85	18.85	
1.4	256QAM	3	1	18.93	18.95	18.94	
1.4	256QAM	3	3	18.87	18.92	18.84	
1.4	256QAM	6	0	18.85	18.83	18.75	20.6



FDD LTE Band 5_TX1 (Index 1/4/5/6)

Ant 1							
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	23.61	23.68	23.65	25.2
10	QPSK	1	25	23.39	23.42	23.37	
10	QPSK	1	49	23.47	23.50	23.43	
10	QPSK	25	0	22.58	22.59	22.55	24.2
10	QPSK	25	12	22.52	22.57	22.54	
10	QPSK	25	25	22.50	22.53	22.51	
10	QPSK	50	0	22.53	22.56	22.53	24.2
10	16QAM	1	0	22.87	22.91	22.88	
10	16QAM	1	25	22.87	22.81	22.84	
10	16QAM	1	49	22.84	22.76	22.69	23.2
10	16QAM	25	0	21.63	21.62	21.60	
10	16QAM	25	12	21.63	21.61	21.59	
10	16QAM	25	25	21.58	21.58	21.55	23.2
10	16QAM	50	0	21.57	21.55	21.54	
10	64QAM	1	0	21.89	21.78	21.82	
10	64QAM	1	25	21.82	21.68	21.71	23.2
10	64QAM	1	49	21.79	21.70	21.63	
10	64QAM	25	0	20.58	20.61	20.57	
10	64QAM	25	12	20.59	20.56	20.55	22.2
10	64QAM	25	25	20.53	20.53	20.52	
10	64QAM	50	0	20.58	20.59	20.56	
10	256QAM	1	0	18.84	18.88	18.86	20.2
10	256QAM	1	25	18.75	18.76	18.71	
10	256QAM	1	49	18.72	18.75	18.74	
10	256QAM	25	0	18.76	18.81	18.75	20.2
10	256QAM	25	12	18.71	18.78	18.70	
10	256QAM	25	25	18.62	18.68	18.64	
10	256QAM	50	0	18.69	18.71	18.63	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.60	23.67	23.56	25.2
5	QPSK	1	12	23.32	23.41	23.32	
5	QPSK	1	24	23.46	23.43	23.39	
5	QPSK	12	0	22.57	22.52	22.49	24.2
5	QPSK	12	7	22.49	22.51	22.50	
5	QPSK	12	13	22.40	22.53	22.43	
5	QPSK	25	0	22.51	22.50	22.53	24.2
5	16QAM	1	0	22.77	22.89	22.86	
5	16QAM	1	12	22.85	22.78	22.75	
5	16QAM	1	24	22.74	22.69	22.59	23.2
5	16QAM	12	0	21.53	21.55	21.59	
5	16QAM	12	7	21.59	21.60	21.56	
5	16QAM	12	13	21.51	21.52	21.47	23.2
5	16QAM	25	0	21.55	21.53	21.49	
5	64QAM	1	0	21.79	21.72	21.75	
5	64QAM	1	12	21.73	21.58	21.66	23.2
5	64QAM	1	24	21.75	21.66	21.60	
5	64QAM	12	0	20.52	20.51	20.57	
5	64QAM	12	7	20.56	20.56	20.51	22.2
5	64QAM	12	13	20.53	20.46	20.52	



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5	64QAM	25	0	20.55	20.57	20.47	
5	256QAM	1	0	18.80	18.86	18.77	20.2
5	256QAM	1	12	18.62	18.68	18.62	
5	256QAM	1	24	18.73	18.75	18.60	
5	256QAM	12	0	18.76	18.77	18.72	20.2
5	256QAM	12	7	18.64	18.77	18.69	
5	256QAM	12	13	18.58	18.60	18.55	
5	256QAM	25	0	18.62	18.61	18.66	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.58	23.65	23.62	25.2
3	QPSK	1	8	23.29	23.34	23.34	
3	QPSK	1	14	23.44	23.46	23.43	
3	QPSK	8	0	22.58	22.50	22.55	24.2
3	QPSK	8	4	22.45	22.57	22.45	
3	QPSK	8	7	22.47	22.50	22.51	
3	QPSK	15	0	22.47	22.56	22.52	
3	16QAM	1	0	22.79	22.90	22.85	24.2
3	16QAM	1	8	22.77	22.77	22.84	
3	16QAM	1	14	22.75	22.66	22.66	
3	16QAM	8	0	21.53	21.60	21.56	23.2
3	16QAM	8	4	21.60	21.54	21.57	
3	16QAM	8	7	21.50	21.52	21.47	
3	16QAM	15	0	21.53	21.45	21.47	
3	64QAM	1	0	21.84	21.74	21.79	23.2
3	64QAM	1	8	21.76	21.62	21.70	
3	64QAM	1	14	21.79	21.64	21.58	
3	64QAM	8	0	20.55	20.61	20.47	22.2
3	64QAM	8	4	20.54	20.56	20.51	
3	64QAM	8	7	20.52	20.44	20.45	
3	64QAM	15	0	20.54	20.57	20.50	
3	256QAM	1	0	18.80	18.81	18.77	20.2
3	256QAM	1	8	18.66	18.68	18.65	
3	256QAM	1	14	18.72	18.68	18.63	
3	256QAM	8	0	18.67	18.80	18.69	20.2
3	256QAM	8	4	18.65	18.68	18.65	
3	256QAM	8	7	18.57	18.67	18.52	
3	256QAM	15	0	18.59	18.62	18.59	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.38	23.40	23.34	25.2
1.4	QPSK	1	3	23.36	23.34	23.26	
1.4	QPSK	1	5	23.39	23.41	23.32	
1.4	QPSK	3	0	23.36	23.35	23.28	
1.4	QPSK	3	1	23.41	23.36	23.32	
1.4	QPSK	3	3	23.35	23.36	23.29	
1.4	QPSK	6	0	22.43	22.36	22.33	24.2
1.4	16QAM	1	0	22.70	22.66	22.52	24.2
1.4	16QAM	1	3	22.68	22.58	22.41	
1.4	16QAM	1	5	22.77	22.63	22.51	
1.4	16QAM	3	0	22.53	22.49	22.39	
1.4	16QAM	3	1	22.62	22.58	22.39	
1.4	16QAM	3	3	22.60	22.45	22.36	
1.4	16QAM	6	0	21.59	21.45	21.38	23.2
1.4	64QAM	1	0	21.71	21.48	21.42	23.2
1.4	64QAM	1	3	21.57	21.44	21.37	



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1.4	64QAM	1	5	21.64	21.49	21.37	
1.4	64QAM	3	0	21.56	21.44	21.40	
1.4	64QAM	3	1	21.58	21.55	21.46	
1.4	64QAM	3	3	21.66	21.55	21.42	
1.4	64QAM	6	0	20.48	20.40	20.31	22.2
1.4	256QAM	1	0	18.80	18.86	18.79	20.2
1.4	256QAM	1	3	18.72	18.73	18.64	
1.4	256QAM	1	5	18.67	18.75	18.68	
1.4	256QAM	3	0	18.76	18.77	18.63	
1.4	256QAM	3	1	18.71	18.71	18.68	
1.4	256QAM	3	3	18.58	18.68	18.54	
1.4	256QAM	6	0	18.65	18.61	18.61	20.2



FDD LTE Band 5_TX1 (Index 2)

Ant 1							
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	22.87	23.00	22.89	24.2
10	QPSK	1	25	22.79	22.79	22.73	
10	QPSK	1	49	22.76	22.78	22.74	
10	QPSK	25	0	22.87	22.99	22.88	24.2
10	QPSK	25	12	22.84	22.88	22.85	
10	QPSK	25	25	22.83	22.86	22.81	
10	QPSK	50	0	22.86	22.98	22.87	24.2
10	16QAM	1	0	23.25	23.30	23.29	
10	16QAM	1	25	23.21	23.15	23.19	
10	16QAM	1	49	23.22	23.11	23.07	23.2
10	16QAM	25	0	21.92	21.94	21.91	
10	16QAM	25	12	21.89	21.91	21.89	
10	16QAM	25	25	21.88	21.88	21.83	23.2
10	16QAM	50	0	21.86	21.88	21.86	
10	64QAM	1	0	22.17	22.16	22.17	
10	64QAM	1	25	22.12	22.09	22.11	23.2
10	64QAM	1	49	22.13	22.18	22.06	
10	64QAM	25	0	20.92	20.94	20.91	
10	64QAM	25	12	20.91	20.90	20.87	22.2
10	64QAM	25	25	20.89	20.89	20.85	
10	64QAM	50	0	20.90	20.91	20.89	
10	256QAM	1	0	18.83	18.88	18.77	20.2
10	256QAM	1	25	18.65	18.75	18.68	
10	256QAM	1	49	18.64	18.69	18.64	
10	256QAM	25	0	18.69	18.80	18.68	20.2
10	256QAM	25	12	18.69	18.76	18.63	
10	256QAM	25	25	18.55	18.65	18.64	
10	256QAM	50	0	18.63	18.61	18.62	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)
5	QPSK	1	0	22.78	22.90	22.84	24.2
5	QPSK	1	12	22.74	22.69	22.71	
5	QPSK	1	24	22.75	22.68	22.68	
5	QPSK	12	0	22.78	22.89	22.83	24.2
5	QPSK	12	7	22.77	22.84	22.78	
5	QPSK	12	13	22.78	22.80	22.79	
5	QPSK	25	0	22.82	22.79	22.77	24.2
5	16QAM	1	0	23.18	23.26	23.21	
5	16QAM	1	12	23.13	23.12	23.16	
5	16QAM	1	24	23.21	23.11	22.97	23.2
5	16QAM	12	0	21.89	21.90	21.90	
5	16QAM	12	7	21.89	21.81	21.80	
5	16QAM	12	13	21.80	21.88	21.77	23.2
5	16QAM	25	0	21.77	21.86	21.82	
5	64QAM	1	0	22.11	22.16	22.11	
5	64QAM	1	12	22.12	22.07	22.02	23.2
5	64QAM	1	24	22.04	22.13	21.96	
5	64QAM	12	0	20.87	20.84	20.87	
5	64QAM	12	7	20.84	20.82	20.78	22.2
5	64QAM	12	13	20.79	20.80	20.81	



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5	64QAM	25	0	20.90	20.85	20.82	
5	256QAM	1	0	18.83	18.82	18.73	20.2
5	256QAM	1	12	18.55	18.69	18.63	
5	256QAM	1	24	18.55	18.61	18.54	
5	256QAM	12	0	18.63	18.76	18.58	20.2
5	256QAM	12	7	18.61	18.71	18.57	
5	256QAM	12	13	18.49	18.56	18.62	
5	256QAM	25	0	18.62	18.59	18.56	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.82	22.83	22.84	24.2
3	QPSK	1	8	22.75	22.69	22.71	
3	QPSK	1	14	22.76	22.70	22.72	
3	QPSK	8	0	22.84	22.83	22.86	24.2
3	QPSK	8	4	22.82	22.82	22.82	
3	QPSK	8	7	22.78	22.76	22.79	
3	QPSK	15	0	22.85	22.84	22.86	
3	16QAM	1	0	23.18	23.27	23.21	24.2
3	16QAM	1	8	23.19	23.07	23.15	
3	16QAM	1	14	23.17	23.02	23.03	
3	16QAM	8	0	21.87	21.89	21.90	23.2
3	16QAM	8	4	21.82	21.81	21.83	
3	16QAM	8	7	21.88	21.78	21.83	
3	16QAM	15	0	21.82	21.82	21.83	
3	64QAM	1	0	22.07	22.13	22.10	23.2
3	64QAM	1	8	22.12	22.09	22.10	
3	64QAM	1	14	22.05	22.10	22.04	
3	64QAM	8	0	20.91	20.89	20.84	22.2
3	64QAM	8	4	20.87	20.81	20.81	
3	64QAM	8	7	20.88	20.82	20.80	
3	64QAM	15	0	20.85	20.90	20.83	
3	256QAM	1	0	18.82	18.86	18.76	20.2
3	256QAM	1	8	18.58	18.73	18.61	
3	256QAM	1	14	18.62	18.69	18.57	
3	256QAM	8	0	18.68	18.79	18.65	20.2
3	256QAM	8	4	18.62	18.72	18.55	
3	256QAM	8	7	18.51	18.57	18.62	
3	256QAM	15	0	18.53	18.61	18.62	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.88	22.88	22.80	24.2
1.4	QPSK	1	3	22.74	22.79	22.66	
1.4	QPSK	1	5	22.82	22.84	22.74	
1.4	QPSK	3	0	22.80	22.79	22.70	
1.4	QPSK	3	1	22.85	22.87	22.81	
1.4	QPSK	3	3	22.89	22.84	22.78	
1.4	QPSK	6	0	22.88	22.85	22.77	24.2
1.4	16QAM	1	0	23.26	23.14	23.05	24.2
1.4	16QAM	1	3	23.11	23.05	22.90	
1.4	16QAM	1	5	23.21	23.15	22.99	
1.4	16QAM	3	0	22.97	22.93	22.85	
1.4	16QAM	3	1	23.01	22.98	22.94	
1.4	16QAM	3	3	23.07	22.96	22.82	
1.4	16QAM	6	0	21.98	21.88	21.81	23.2
1.4	64QAM	1	0	22.23	22.02	21.91	23.2
1.4	64QAM	1	3	22.11	21.95	21.84	



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1.4	64QAM	1	5	22.14	21.97	21.86	
1.4	64QAM	3	0	22.07	21.90	21.84	
1.4	64QAM	3	1	22.18	21.96	21.89	
1.4	64QAM	3	3	22.01	21.95	21.85	
1.4	64QAM	6	0	20.96	20.84	20.79	22.2
1.4	256QAM	1	0	18.78	18.85	18.75	20.2
1.4	256QAM	1	3	18.69	18.67	18.64	
1.4	256QAM	1	5	18.58	18.71	18.68	
1.4	256QAM	3	0	18.75	18.68	18.56	
1.4	256QAM	3	1	18.62	18.69	18.59	
1.4	256QAM	3	3	18.55	18.59	18.52	
1.4	256QAM	6	0	18.64	18.59	18.61	20.2



FDD LTE Band 5_TX1 (Index 3)

Ant 1							
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	22.87	23.00	22.89	23.4
10	QPSK	1	25	22.79	22.79	22.73	
10	QPSK	1	49	22.76	22.78	22.74	
10	QPSK	25	0	22.87	22.99	22.88	23.4
10	QPSK	25	12	22.84	22.88	22.85	
10	QPSK	25	25	22.83	22.86	22.81	
10	QPSK	50	0	22.86	22.98	22.87	23.4
10	16QAM	1	0	23.25	23.30	23.29	
10	16QAM	1	25	23.21	23.15	23.19	
10	16QAM	1	49	23.22	23.11	23.07	22.9
10	16QAM	25	0	21.92	21.94	21.91	
10	16QAM	25	12	21.89	21.91	21.89	
10	16QAM	25	25	21.88	21.88	21.83	22.9
10	16QAM	50	0	21.86	21.88	21.86	
10	64QAM	1	0	22.17	22.16	22.17	
10	64QAM	1	25	22.12	22.09	22.11	22.9
10	64QAM	1	49	22.13	22.18	22.06	
10	64QAM	25	0	20.92	20.94	20.91	
10	64QAM	25	12	20.91	20.90	20.87	21.9
10	64QAM	25	25	20.89	20.89	20.85	
10	64QAM	50	0	20.90	20.91	20.89	
10	256QAM	1	0	18.83	18.88	18.77	19.9
10	256QAM	1	25	18.65	18.75	18.68	
10	256QAM	1	49	18.64	18.69	18.64	
10	256QAM	25	0	18.69	18.80	18.68	19.9
10	256QAM	25	12	18.69	18.76	18.63	
10	256QAM	25	25	18.55	18.65	18.64	
10	256QAM	50	0	18.63	18.61	18.62	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)
5	QPSK	1	0	22.78	22.90	22.84	23.4
5	QPSK	1	12	22.74	22.69	22.71	
5	QPSK	1	24	22.75	22.68	22.68	
5	QPSK	12	0	22.78	22.89	22.83	23.4
5	QPSK	12	7	22.77	22.84	22.78	
5	QPSK	12	13	22.78	22.80	22.79	
5	QPSK	25	0	22.82	22.79	22.77	23.4
5	16QAM	1	0	23.18	23.26	23.21	
5	16QAM	1	12	23.13	23.12	23.16	
5	16QAM	1	24	23.21	23.11	22.97	22.9
5	16QAM	12	0	21.89	21.90	21.90	
5	16QAM	12	7	21.89	21.81	21.80	
5	16QAM	12	13	21.80	21.88	21.77	22.9
5	16QAM	25	0	21.77	21.86	21.82	
5	64QAM	1	0	22.11	22.16	22.11	
5	64QAM	1	12	22.12	22.07	22.02	22.9
5	64QAM	1	24	22.04	22.13	21.96	
5	64QAM	12	0	20.87	20.84	20.87	
5	64QAM	12	7	20.84	20.82	20.78	21.9
5	64QAM	12	13	20.79	20.80	20.81	



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5	64QAM	25	0	20.90	20.85	20.82	
5	256QAM	1	0	18.83	18.82	18.73	19.9
5	256QAM	1	12	18.55	18.69	18.63	
5	256QAM	1	24	18.55	18.61	18.54	
5	256QAM	12	0	18.63	18.76	18.58	19.9
5	256QAM	12	7	18.61	18.71	18.57	
5	256QAM	12	13	18.49	18.56	18.62	
5	256QAM	25	0	18.62	18.59	18.56	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.82	22.83	22.84	23.4
3	QPSK	1	8	22.75	22.69	22.71	
3	QPSK	1	14	22.76	22.70	22.72	
3	QPSK	8	0	22.84	22.83	22.86	23.4
3	QPSK	8	4	22.82	22.82	22.82	
3	QPSK	8	7	22.78	22.76	22.79	
3	QPSK	15	0	22.85	22.84	22.86	
3	16QAM	1	0	23.18	23.27	23.21	23.4
3	16QAM	1	8	23.19	23.07	23.15	
3	16QAM	1	14	23.17	23.02	23.03	
3	16QAM	8	0	21.87	21.89	21.90	22.9
3	16QAM	8	4	21.82	21.81	21.83	
3	16QAM	8	7	21.88	21.78	21.83	
3	16QAM	15	0	21.82	21.82	21.83	
3	64QAM	1	0	22.07	22.13	22.10	22.9
3	64QAM	1	8	22.12	22.09	22.10	
3	64QAM	1	14	22.05	22.10	22.04	
3	64QAM	8	0	20.91	20.89	20.84	21.9
3	64QAM	8	4	20.87	20.81	20.81	
3	64QAM	8	7	20.88	20.82	20.80	
3	64QAM	15	0	20.85	20.90	20.83	
3	256QAM	1	0	18.82	18.86	18.76	19.9
3	256QAM	1	8	18.58	18.73	18.61	
3	256QAM	1	14	18.62	18.69	18.57	
3	256QAM	8	0	18.68	18.79	18.65	19.9
3	256QAM	8	4	18.62	18.72	18.55	
3	256QAM	8	7	18.51	18.57	18.62	
3	256QAM	15	0	18.53	18.61	18.62	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.88	22.88	22.80	23.4
1.4	QPSK	1	3	22.74	22.79	22.66	
1.4	QPSK	1	5	22.82	22.84	22.74	
1.4	QPSK	3	0	22.80	22.79	22.70	
1.4	QPSK	3	1	22.85	22.87	22.81	
1.4	QPSK	3	3	22.89	22.84	22.78	
1.4	QPSK	6	0	22.88	22.85	22.77	23.4
1.4	16QAM	1	0	23.26	23.14	23.05	23.4
1.4	16QAM	1	3	23.11	23.05	22.90	
1.4	16QAM	1	5	23.21	23.15	22.99	
1.4	16QAM	3	0	22.97	22.93	22.85	
1.4	16QAM	3	1	23.01	22.98	22.94	
1.4	16QAM	3	3	23.07	22.96	22.82	
1.4	16QAM	6	0	21.98	21.88	21.81	22.9
1.4	64QAM	1	0	22.23	22.02	21.91	22.9
1.4	64QAM	1	3	22.11	21.95	21.84	



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1.4	64QAM	1	5	22.14	21.97	21.86	
1.4	64QAM	3	0	22.07	21.90	21.84	
1.4	64QAM	3	1	22.18	21.96	21.89	
1.4	64QAM	3	3	22.01	21.95	21.85	
1.4	64QAM	6	0	20.96	20.84	20.79	21.9
1.4	256QAM	1	0	18.78	18.85	18.75	19.9
1.4	256QAM	1	3	18.69	18.67	18.64	
1.4	256QAM	1	5	18.58	18.71	18.68	
1.4	256QAM	3	0	18.75	18.68	18.56	
1.4	256QAM	3	1	18.62	18.69	18.59	
1.4	256QAM	3	3	18.55	18.59	18.52	
1.4	256QAM	6	0	18.64	18.59	18.61	19.9



FDD LTE Band 7_TX0 (Index 1/2/3)

Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	24.67	24.68	24.63	25.7
20	QPSK	1	49	24.31	24.41	24.47	
20	QPSK	1	99	24.31	24.48	24.44	
20	QPSK	50	0	23.39	23.50	23.45	24.7
20	QPSK	50	24	23.41	23.45	23.47	
20	QPSK	50	50	23.41	23.47	23.49	
20	QPSK	100	0	23.40	23.44	23.43	
20	16QAM	1	0	23.55	23.62	23.68	24.7
20	16QAM	1	49	23.50	23.66	23.68	
20	16QAM	1	99	23.53	23.82	23.60	
20	16QAM	50	0	22.38	22.42	22.42	23.7
20	16QAM	50	24	22.39	22.51	22.49	
20	16QAM	50	50	22.39	22.52	22.46	
20	16QAM	100	0	22.40	22.46	22.48	
20	64QAM	1	0	22.61	22.67	22.73	23.7
20	64QAM	1	49	22.61	22.63	22.66	
20	64QAM	1	99	22.57	22.77	22.68	
20	64QAM	50	0	21.40	21.54	21.53	22.7
20	64QAM	50	24	21.45	21.62	21.57	
20	64QAM	50	50	21.49	21.64	21.61	
20	64QAM	100	0	21.47	21.56	21.56	
20	256QAM	1	0	19.76	19.62	19.89	20.7
20	256QAM	1	49	19.50	19.60	19.55	
20	256QAM	1	99	19.72	19.72	19.63	
20	256QAM	50	0	19.54	19.56	19.55	20.7
20	256QAM	50	24	19.53	19.53	19.46	
20	256QAM	50	50	19.45	19.52	19.47	
20	256QAM	100	0	19.44	19.54	19.54	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	24.32	24.48	24.47	25.7
15	QPSK	1	37	24.28	24.35	24.39	
15	QPSK	1	74	24.26	24.46	24.37	
15	QPSK	36	0	23.32	23.39	23.45	24.7
15	QPSK	36	20	23.32	23.39	23.44	
15	QPSK	36	39	23.37	23.44	23.41	
15	QPSK	75	0	23.32	23.37	23.40	
15	16QAM	1	0	23.53	23.54	23.59	24.7
15	16QAM	1	37	23.46	23.56	23.60	
15	16QAM	1	74	23.51	23.79	23.55	
15	16QAM	36	0	22.35	22.39	22.34	23.7
15	16QAM	36	20	22.34	22.41	22.39	
15	16QAM	36	39	22.38	22.43	22.45	
15	16QAM	75	0	22.31	22.44	22.45	
15	64QAM	1	0	22.61	22.59	22.63	23.7
15	64QAM	1	37	22.55	22.53	22.62	
15	64QAM	1	74	22.47	22.76	22.66	
15	64QAM	36	0	21.39	21.50	21.47	22.7
15	64QAM	36	20	21.39	21.60	21.50	
15	64QAM	36	39	21.42	21.61	21.51	



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15	64QAM	75	0	21.43	21.55	21.54	
15	256QAM	1	0	19.72	19.58	19.81	20.7
15	256QAM	1	37	19.52	19.53	19.56	
15	256QAM	1	74	19.57	19.70	19.61	
15	256QAM	36	0	19.49	19.49	19.54	20.7
15	256QAM	36	20	19.46	19.49	19.44	
15	256QAM	36	39	19.44	19.44	19.39	
15	256QAM	75	0	19.45	19.54	19.48	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	24.34	24.43	24.47	25.7
10	QPSK	1	25	24.29	24.35	24.42	
10	QPSK	1	49	24.26	24.47	24.34	
10	QPSK	25	0	23.35	23.36	23.35	24.7
10	QPSK	25	12	23.39	23.41	23.43	
10	QPSK	25	25	23.39	23.47	23.42	
10	QPSK	50	0	23.38	23.40	23.44	
10	16QAM	1	0	23.48	23.62	23.64	24.7
10	16QAM	1	25	23.46	23.60	23.62	
10	16QAM	1	49	23.51	23.73	23.58	
10	16QAM	25	0	22.29	22.41	22.36	23.7
10	16QAM	25	12	22.30	22.48	22.45	
10	16QAM	25	25	22.31	22.49	22.41	
10	16QAM	50	0	22.35	22.44	22.38	
10	64QAM	1	0	22.55	22.67	22.68	23.7
10	64QAM	1	25	22.58	22.62	22.62	
10	64QAM	1	49	22.56	22.75	22.64	
10	64QAM	25	0	21.38	21.47	21.50	22.7
10	64QAM	25	12	21.37	21.60	21.56	
10	64QAM	25	25	21.42	21.59	21.51	
10	64QAM	50	0	21.44	21.49	21.46	
10	256QAM	1	0	19.75	19.60	19.86	20.7
10	256QAM	1	25	19.42	19.59	19.42	
10	256QAM	1	49	19.59	19.67	19.69	
10	256QAM	25	0	19.44	19.51	19.50	20.7
10	256QAM	25	12	19.38	19.53	19.42	
10	256QAM	25	25	19.45	19.50	19.47	
10	256QAM	50	0	19.40	19.49	19.43	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	24.38	24.51	24.49	25.7
5	QPSK	1	12	24.21	24.41	24.40	
5	QPSK	1	24	24.27	24.38	24.39	
5	QPSK	12	0	23.35	23.38	23.39	24.7
5	QPSK	12	7	23.38	23.40	23.41	
5	QPSK	12	13	23.35	23.47	23.44	
5	QPSK	25	0	23.37	23.38	23.41	
5	16QAM	1	0	23.47	23.52	23.61	24.7
5	16QAM	1	12	23.44	23.61	23.64	
5	16QAM	1	24	23.52	23.78	23.55	
5	16QAM	12	0	22.31	22.42	22.37	23.7
5	16QAM	12	7	22.39	22.48	22.48	
5	16QAM	12	13	22.36	22.44	22.37	
5	16QAM	25	0	22.38	22.38	22.43	
5	64QAM	1	0	22.51	22.57	22.63	23.7
5	64QAM	1	12	22.55	22.63	22.61	



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5	64QAM	1	24	22.48	22.76	22.67	
5	64QAM	12	0	21.39	21.50	21.51	22.7
5	64QAM	12	7	21.38	21.52	21.50	
5	64QAM	12	13	21.48	21.57	21.57	
5	64QAM	25	0	21.41	21.48	21.46	
5	256QAM	1	0	19.71	19.56	19.85	20.7
5	256QAM	1	12	19.57	19.51	19.48	
5	256QAM	1	24	19.58	19.72	19.58	
5	256QAM	12	0	19.49	19.55	19.48	20.7
5	256QAM	12	7	19.37	19.45	19.49	
5	256QAM	12	13	19.50	19.44	19.50	
5	256QAM	25	0	19.38	19.46	19.36	



FDD LTE Band 7_TX0 (Index 4)

Ant 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	20.79	20.87	20.86	21.4
20	QPSK	1	49	20.64	20.68	20.72	
20	QPSK	1	99	20.76	20.83	20.81	
20	QPSK	50	0	20.90	20.96	20.95	21.4
20	QPSK	50	24	20.90	20.95	20.94	
20	QPSK	50	50	20.87	20.88	20.89	
20	QPSK	100	0	20.85	20.93	20.92	21.4
20	16QAM	1	0	21.08	21.16	21.20	
20	16QAM	1	49	20.98	21.06	21.11	
20	16QAM	1	99	21.04	21.19	21.12	21.4
20	16QAM	50	0	20.85	20.89	20.91	
20	16QAM	50	24	20.86	20.87	20.93	
20	16QAM	50	50	20.90	20.93	20.94	21.4
20	16QAM	100	0	20.81	20.88	20.88	
20	64QAM	1	0	21.13	21.18	21.16	
20	64QAM	1	49	21.06	20.98	21.00	21.4
20	64QAM	1	99	21.10	21.16	20.96	
20	64QAM	50	0	20.91	20.92	20.96	
20	64QAM	50	24	20.94	20.97	20.90	21.4
20	64QAM	50	50	20.89	21.00	20.87	
20	64QAM	100	0	20.87	20.89	20.93	
20	256QAM	1	0	19.67	19.60	19.86	20.4
20	256QAM	1	49	19.41	19.55	19.54	
20	256QAM	1	99	19.69	19.63	19.55	
20	256QAM	50	0	19.51	19.49	19.54	20.4
20	256QAM	50	24	19.51	19.50	19.43	
20	256QAM	50	50	19.40	19.51	19.44	
20	256QAM	100	0	19.42	19.50	19.48	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)
15	QPSK	1	0	20.73	20.84	20.81	21.4
15	QPSK	1	37	20.62	20.74	20.67	
15	QPSK	1	74	20.70	20.85	20.76	
15	QPSK	36	0	20.84	20.99	20.92	21.4
15	QPSK	36	20	20.85	20.89	20.90	
15	QPSK	36	39	20.89	20.90	20.88	
15	QPSK	75	0	20.82	20.88	20.93	21.4
15	16QAM	1	0	21.13	21.17	21.15	
15	16QAM	1	37	21.02	21.04	21.08	
15	16QAM	1	74	21.04	21.14	21.09	21.4
15	16QAM	36	0	20.86	20.92	20.86	
15	16QAM	36	20	20.84	20.96	20.89	
15	16QAM	36	39	20.87	20.93	20.87	21.4
15	16QAM	75	0	20.80	20.84	20.90	
15	64QAM	1	0	21.16	21.09	21.11	
15	64QAM	1	37	21.04	21.01	21.01	21.4
15	64QAM	1	74	21.03	21.13	20.97	
15	64QAM	36	0	20.90	20.91	20.88	
15	64QAM	36	20	20.96	20.92	20.88	21.4
15	64QAM	36	39	20.87	20.95	20.91	



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15	64QAM	75	0	20.83	20.87	20.91	
15	256QAM	1	0	19.68	19.57	19.84	20.4
15	256QAM	1	37	19.42	19.59	19.54	
15	256QAM	1	74	19.63	19.70	19.63	
15	256QAM	36	0	19.53	19.54	19.55	20.4
15	256QAM	36	20	19.50	19.53	19.45	
15	256QAM	36	39	19.39	19.49	19.39	
15	256QAM	75	0	19.41	19.52	19.46	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.80	20.82	20.76	21.4
10	QPSK	1	25	20.71	20.74	20.74	
10	QPSK	1	49	20.78	20.87	20.82	
10	QPSK	25	0	20.92	20.89	20.88	21.4
10	QPSK	25	12	20.84	20.96	20.93	
10	QPSK	25	25	20.87	20.89	20.92	
10	QPSK	50	0	20.83	20.89	20.89	
10	16QAM	1	0	21.05	21.13	21.17	21.4
10	16QAM	1	25	20.98	21.11	21.02	
10	16QAM	1	49	21.03	21.10	21.12	
10	16QAM	25	0	20.88	20.89	20.95	21.4
10	16QAM	25	12	20.92	20.90	20.92	
10	16QAM	25	25	20.84	20.88	20.95	
10	16QAM	50	0	20.88	20.89	20.87	
10	64QAM	1	0	21.10	21.17	21.14	21.4
10	64QAM	1	25	20.98	21.04	21.04	
10	64QAM	1	49	21.02	21.12	20.96	
10	64QAM	25	0	20.94	20.97	20.88	21.4
10	64QAM	25	12	20.91	21.01	20.90	
10	64QAM	25	25	20.91	20.98	20.89	
10	64QAM	50	0	20.82	20.89	20.84	
10	256QAM	1	0	19.74	19.52	19.84	20.4
10	256QAM	1	25	19.44	19.58	19.46	
10	256QAM	1	49	19.67	19.64	19.56	
10	256QAM	25	0	19.51	19.47	19.50	20.4
10	256QAM	25	12	19.50	19.48	19.44	
10	256QAM	25	25	19.36	19.47	19.44	
10	256QAM	50	0	19.44	19.44	19.46	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.77	20.84	20.81	21.4
5	QPSK	1	12	20.63	20.67	20.77	
5	QPSK	1	24	20.74	20.81	20.83	
5	QPSK	12	0	20.85	20.90	20.95	21.4
5	QPSK	12	7	20.87	20.90	20.97	
5	QPSK	12	13	20.86	20.83	20.94	
5	QPSK	25	0	20.90	20.87	20.88	
5	16QAM	1	0	21.13	21.19	21.14	21.4
5	16QAM	1	12	21.06	21.08	21.09	
5	16QAM	1	24	21.07	21.19	21.07	
5	16QAM	12	0	20.91	20.93	20.91	21.4
5	16QAM	12	7	20.88	20.97	20.94	
5	16QAM	12	13	20.92	20.94	20.88	
5	16QAM	25	0	20.87	20.90	20.87	
5	64QAM	1	0	21.19	21.11	21.14	21.4
5	64QAM	1	12	21.00	21.05	21.07	



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Report No. : FA241216-02D

5	64QAM	1	24	21.10	21.18	20.99	
5	64QAM	12	0	20.90	20.96	20.92	21.4
5	64QAM	12	7	20.90	21.00	20.89	
5	64QAM	12	13	20.93	20.99	20.89	
5	64QAM	25	0	20.86	20.95	20.88	
5	256QAM	1	0	19.74	19.52	19.89	20.4
5	256QAM	1	12	19.45	19.59	19.55	
5	256QAM	1	24	19.63	19.64	19.55	
5	256QAM	12	0	19.45	19.47	19.45	20.4
5	256QAM	12	7	19.48	19.49	19.41	
5	256QAM	12	13	19.43	19.42	19.42	
5	256QAM	25	0	19.43	19.51	19.45	



FDD LTE Band 7_TX0 (Index 5/6)

Ant 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	20.79	20.87	20.86	22.2
20	QPSK	1	49	20.64	20.68	20.72	
20	QPSK	1	99	20.76	20.83	20.81	
20	QPSK	50	0	20.90	20.96	20.95	22.2
20	QPSK	50	24	20.90	20.95	20.94	
20	QPSK	50	50	20.87	20.88	20.89	
20	QPSK	100	0	20.85	20.93	20.92	22.2
20	16QAM	1	0	21.08	21.16	21.20	
20	16QAM	1	49	20.98	21.06	21.11	
20	16QAM	1	99	21.04	21.19	21.12	22.2
20	16QAM	50	0	20.85	20.89	20.91	
20	16QAM	50	24	20.86	20.87	20.93	
20	16QAM	50	50	20.90	20.93	20.94	22.2
20	16QAM	100	0	20.81	20.88	20.88	
20	64QAM	1	0	21.13	21.18	21.16	
20	64QAM	1	49	21.06	20.98	21.00	22.2
20	64QAM	1	99	21.10	21.16	20.96	
20	64QAM	50	0	20.91	20.92	20.96	
20	64QAM	50	24	20.94	20.97	20.90	22.2
20	64QAM	50	50	20.89	21.00	20.87	
20	64QAM	100	0	20.87	20.89	20.93	
20	256QAM	1	0	19.67	19.60	19.86	20.4
20	256QAM	1	49	19.41	19.55	19.54	
20	256QAM	1	99	19.69	19.63	19.55	
20	256QAM	50	0	19.51	19.49	19.54	20.4
20	256QAM	50	24	19.51	19.50	19.43	
20	256QAM	50	50	19.40	19.51	19.44	
20	256QAM	100	0	19.42	19.50	19.48	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)
15	QPSK	1	0	20.73	20.84	20.81	22.2
15	QPSK	1	37	20.62	20.74	20.67	
15	QPSK	1	74	20.70	20.85	20.76	
15	QPSK	36	0	20.84	20.99	20.92	22.2
15	QPSK	36	20	20.85	20.89	20.90	
15	QPSK	36	39	20.89	20.90	20.88	
15	QPSK	75	0	20.82	20.88	20.93	22.2
15	16QAM	1	0	21.13	21.17	21.15	
15	16QAM	1	37	21.02	21.04	21.08	
15	16QAM	1	74	21.04	21.14	21.09	22.2
15	16QAM	36	0	20.86	20.92	20.86	
15	16QAM	36	20	20.84	20.96	20.89	
15	16QAM	36	39	20.87	20.93	20.87	22.2
15	16QAM	75	0	20.80	20.84	20.90	
15	64QAM	1	0	21.16	21.09	21.11	
15	64QAM	1	37	21.04	21.01	21.01	22.2
15	64QAM	1	74	21.03	21.13	20.97	
15	64QAM	36	0	20.90	20.91	20.88	
15	64QAM	36	20	20.96	20.92	20.88	22.2
15	64QAM	36	39	20.87	20.95	20.91	



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Report No. : FA241216-02D

15	64QAM	75	0	20.83	20.87	20.91	
15	256QAM	1	0	19.68	19.57	19.84	20.4
15	256QAM	1	37	19.42	19.59	19.54	
15	256QAM	1	74	19.63	19.70	19.63	
15	256QAM	36	0	19.53	19.54	19.55	20.4
15	256QAM	36	20	19.50	19.53	19.45	
15	256QAM	36	39	19.39	19.49	19.39	
15	256QAM	75	0	19.41	19.52	19.46	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.80	20.82	20.76	22.2
10	QPSK	1	25	20.71	20.74	20.74	
10	QPSK	1	49	20.78	20.87	20.82	
10	QPSK	25	0	20.92	20.89	20.88	22.2
10	QPSK	25	12	20.84	20.96	20.93	
10	QPSK	25	25	20.87	20.89	20.92	
10	QPSK	50	0	20.83	20.89	20.89	
10	16QAM	1	0	21.05	21.13	21.17	22.2
10	16QAM	1	25	20.98	21.11	21.02	
10	16QAM	1	49	21.03	21.10	21.12	
10	16QAM	25	0	20.88	20.89	20.95	22.2
10	16QAM	25	12	20.92	20.90	20.92	
10	16QAM	25	25	20.84	20.88	20.95	
10	16QAM	50	0	20.88	20.89	20.87	
10	64QAM	1	0	21.10	21.17	21.14	22.2
10	64QAM	1	25	20.98	21.04	21.04	
10	64QAM	1	49	21.02	21.12	20.96	
10	64QAM	25	0	20.94	20.97	20.88	22.2
10	64QAM	25	12	20.91	21.01	20.90	
10	64QAM	25	25	20.91	20.98	20.89	
10	64QAM	50	0	20.82	20.89	20.84	
10	256QAM	1	0	19.74	19.52	19.84	20.4
10	256QAM	1	25	19.44	19.58	19.46	
10	256QAM	1	49	19.67	19.64	19.56	
10	256QAM	25	0	19.51	19.47	19.50	20.4
10	256QAM	25	12	19.50	19.48	19.44	
10	256QAM	25	25	19.36	19.47	19.44	
10	256QAM	50	0	19.44	19.44	19.46	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.77	20.84	20.81	22.2
5	QPSK	1	12	20.63	20.67	20.77	
5	QPSK	1	24	20.74	20.81	20.83	
5	QPSK	12	0	20.85	20.90	20.95	22.2
5	QPSK	12	7	20.87	20.90	20.97	
5	QPSK	12	13	20.86	20.83	20.94	
5	QPSK	25	0	20.90	20.87	20.88	
5	16QAM	1	0	21.13	21.19	21.14	22.2
5	16QAM	1	12	21.06	21.08	21.09	
5	16QAM	1	24	21.07	21.19	21.07	
5	16QAM	12	0	20.91	20.93	20.91	22.2
5	16QAM	12	7	20.88	20.97	20.94	
5	16QAM	12	13	20.92	20.94	20.88	
5	16QAM	25	0	20.87	20.90	20.87	
5	64QAM	1	0	21.19	21.11	21.14	22.2
5	64QAM	1	12	21.00	21.05	21.07	



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Report No. : FA241216-02D

5	64QAM	1	24	21.10	21.18	20.99	
5	64QAM	12	0	20.90	20.96	20.92	22.2
5	64QAM	12	7	20.90	21.00	20.89	
5	64QAM	12	13	20.93	20.99	20.89	
5	64QAM	25	0	20.86	20.95	20.88	
5	256QAM	1	0	19.74	19.52	19.89	20.4
5	256QAM	1	12	19.45	19.59	19.55	
5	256QAM	1	24	19.63	19.64	19.55	
5	256QAM	12	0	19.45	19.47	19.45	20.4
5	256QAM	12	7	19.48	19.49	19.41	
5	256QAM	12	13	19.43	19.42	19.42	
5	256QAM	25	0	19.43	19.51	19.45	



FDD LTE Band 7_TX1 (Index 1/2/3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	24.11	24.23	24.13	25.2
20	QPSK	1	49	23.79	23.92	23.77	
20	QPSK	1	99	23.81	23.93	23.81	
20	QPSK	50	0	22.91	23.00	22.88	24.2
20	QPSK	50	24	22.90	22.99	22.87	
20	QPSK	50	50	22.90	22.99	22.87	
20	QPSK	100	0	22.93	22.93	22.86	24.2
20	16QAM	1	0	23.20	23.28	23.12	
20	16QAM	1	49	23.23	23.27	23.05	
20	16QAM	1	99	23.13	23.29	23.07	23.2
20	16QAM	50	0	21.89	21.96	21.83	
20	16QAM	50	24	21.94	22.02	21.84	
20	16QAM	50	50	21.93	22.04	21.86	23.2
20	16QAM	100	0	21.89	21.97	21.85	
20	64QAM	1	0	22.11	22.16	22.08	
20	64QAM	1	49	22.11	22.24	21.95	23.2
20	64QAM	1	99	22.05	22.32	22.00	
20	64QAM	50	0	20.97	21.03	20.88	
20	64QAM	50	24	20.98	21.05	20.91	22.2
20	64QAM	50	50	20.98	21.08	20.91	
20	64QAM	100	0	20.92	20.99	20.84	
20	256QAM	1	0	19.13	19.08	19.06	20.2
20	256QAM	1	49	18.97	19.03	19.03	
20	256QAM	1	99	19.10	19.11	19.04	
20	256QAM	50	0	18.88	18.91	18.86	20.2
20	256QAM	50	24	18.86	18.92	18.85	
20	256QAM	50	50	18.79	18.85	18.80	
20	256QAM	100	0	18.82	18.92	18.90	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.84	23.94	23.72	25.2
15	QPSK	1	37	23.71	23.86	23.75	
15	QPSK	1	74	23.73	23.89	23.79	
15	QPSK	36	0	22.83	22.91	22.78	24.2
15	QPSK	36	20	22.93	22.95	22.85	
15	QPSK	36	39	22.86	22.94	22.83	
15	QPSK	75	0	22.85	22.87	22.80	24.2
15	16QAM	1	0	23.11	23.22	23.09	
15	16QAM	1	37	23.13	23.22	23.02	
15	16QAM	1	74	23.05	23.29	22.97	23.2
15	16QAM	36	0	21.79	21.91	21.76	
15	16QAM	36	20	21.84	21.95	21.75	
15	16QAM	36	39	21.89	21.95	21.77	23.2
15	16QAM	75	0	21.79	21.95	21.83	
15	64QAM	1	0	22.09	22.09	21.99	
15	64QAM	1	37	22.01	22.23	21.93	23.2
15	64QAM	1	74	22.00	22.22	21.96	
15	64QAM	36	0	20.93	21.02	20.84	
15	64QAM	36	20	20.93	21.04	20.85	22.2
15	64QAM	36	39	20.95	21.02	20.83	



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15	64QAM	75	0	20.92	20.89	20.77	
15	256QAM	1	0	19.07	19.02	19.00	20.2
15	256QAM	1	37	18.95	19.02	18.93	
15	256QAM	1	74	19.00	19.05	18.97	
15	256QAM	36	0	18.85	18.82	18.78	20.2
15	256QAM	36	20	18.86	18.91	18.76	
15	256QAM	36	39	18.79	18.75	18.71	
15	256QAM	75	0	18.79	18.86	18.86	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.89	23.96	23.79	25.2
10	QPSK	1	25	23.76	23.84	23.74	
10	QPSK	1	49	23.80	23.90	23.73	
10	QPSK	25	0	22.83	22.92	22.79	24.2
10	QPSK	25	12	22.94	22.96	22.86	
10	QPSK	25	25	22.92	22.99	22.80	
10	QPSK	50	0	22.90	22.88	22.78	
10	16QAM	1	0	23.20	23.26	23.04	24.2
10	16QAM	1	25	23.17	23.21	23.05	
10	16QAM	1	49	23.03	23.23	23.04	
10	16QAM	25	0	21.80	21.89	21.81	23.2
10	16QAM	25	12	21.87	21.97	21.81	
10	16QAM	25	25	21.91	21.98	21.76	
10	16QAM	50	0	21.88	21.94	21.81	
10	64QAM	1	0	22.06	22.16	21.99	23.2
10	64QAM	1	25	22.06	22.19	21.86	
10	64QAM	1	49	22.01	22.23	22.00	
10	64QAM	25	0	20.89	20.98	20.87	22.2
10	64QAM	25	12	20.96	20.96	20.90	
10	64QAM	25	25	20.97	21.03	20.85	
10	64QAM	50	0	20.84	20.90	20.74	
10	256QAM	1	0	19.03	19.04	18.97	20.2
10	256QAM	1	25	18.87	19.00	18.97	
10	256QAM	1	49	19.01	19.11	19.11	
10	256QAM	25	0	18.79	18.86	18.77	20.2
10	256QAM	25	12	18.82	18.85	18.87	
10	256QAM	25	25	18.73	18.83	18.78	
10	256QAM	50	0	18.82	18.82	18.78	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.84	23.91	23.73	25.2
5	QPSK	1	12	23.77	23.90	23.67	
5	QPSK	1	24	23.72	23.91	23.77	
5	QPSK	12	0	22.91	22.95	22.84	24.2
5	QPSK	12	7	22.93	22.98	22.85	
5	QPSK	12	13	22.87	22.94	22.85	
5	QPSK	25	0	22.88	22.85	22.78	
5	16QAM	1	0	23.18	23.19	23.06	24.2
5	16QAM	1	12	23.18	23.17	23.00	
5	16QAM	1	24	23.06	23.19	23.05	
5	16QAM	12	0	21.87	21.90	21.79	23.2
5	16QAM	12	7	21.90	21.98	21.76	
5	16QAM	12	13	21.87	21.96	21.83	
5	16QAM	25	0	21.81	21.96	21.75	
5	64QAM	1	0	22.05	22.08	22.02	23.2
5	64QAM	1	12	22.04	22.18	21.94	



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5	64QAM	1	24	21.99	22.29	21.95	
5	64QAM	12	0	20.97	20.94	20.81	22.2
5	64QAM	12	7	20.93	20.95	20.91	
5	64QAM	12	13	20.89	21.02	20.90	
5	64QAM	25	0	20.82	20.98	20.81	
5	256QAM	1	0	19.03	19.07	19.04	20.2
5	256QAM	1	12	18.84	18.99	18.87	
5	256QAM	1	24	19.05	19.07	19.02	
5	256QAM	12	0	18.82	18.85	18.80	20.2
5	256QAM	12	7	18.80	18.90	18.83	
5	256QAM	12	13	18.81	18.83	18.73	
5	256QAM	25	0	18.81	18.85	18.83	



FDD LTE Band 7_TX1 (Index 4)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	20.92	21.01	20.81	21.9
20	QPSK	1	49	20.81	20.85	20.71	
20	QPSK	1	99	20.89	20.98	20.75	
20	QPSK	50	0	20.92	20.99	20.87	21.9
20	QPSK	50	24	20.89	20.96	20.86	
20	QPSK	50	50	20.88	20.94	20.85	
20	QPSK	100	0	20.88	20.96	20.85	21.9
20	16QAM	1	0	21.23	21.19	21.15	
20	16QAM	1	49	21.16	21.18	20.96	
20	16QAM	1	99	21.16	21.38	21.03	21.9
20	16QAM	50	0	20.90	20.96	20.82	
20	16QAM	50	24	20.90	20.97	20.84	
20	16QAM	50	50	20.90	20.98	20.81	21.9
20	16QAM	100	0	20.88	20.95	20.80	
20	64QAM	1	0	21.23	21.16	21.07	
20	64QAM	1	49	21.14	21.18	20.91	21.9
20	64QAM	1	99	21.14	21.31	21.02	
20	64QAM	50	0	20.89	20.97	20.88	
20	64QAM	50	24	20.91	21.00	20.86	21.9
20	64QAM	50	50	20.91	20.99	20.85	
20	64QAM	100	0	20.90	20.97	20.80	
20	256QAM	1	0	19.11	19.00	19.03	19.9
20	256QAM	1	49	18.93	19.02	19.03	
20	256QAM	1	99	19.06	19.01	19.03	
20	256QAM	50	0	18.80	18.84	18.77	19.9
20	256QAM	50	24	18.85	18.86	18.81	
20	256QAM	50	50	18.69	18.81	18.73	
20	256QAM	100	0	18.76	18.89	18.83	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)
15	QPSK	1	0	20.82	21.00	20.76	21.9
15	QPSK	1	37	20.77	20.83	20.64	
15	QPSK	1	74	20.79	20.96	20.73	
15	QPSK	36	0	20.87	20.99	20.80	21.9
15	QPSK	36	20	20.82	20.87	20.81	
15	QPSK	36	39	20.78	20.91	20.81	
15	QPSK	75	0	20.81	20.95	20.77	21.9
15	16QAM	1	0	21.18	21.13	21.06	
15	16QAM	1	37	21.07	21.12	20.90	
15	16QAM	1	74	21.07	21.30	20.95	21.9
15	16QAM	36	0	20.90	20.91	20.75	
15	16QAM	36	20	20.87	20.89	20.78	
15	16QAM	36	39	20.84	20.97	20.71	21.9
15	16QAM	75	0	20.85	20.85	20.77	
15	64QAM	1	0	21.16	21.15	21.07	
15	64QAM	1	37	21.14	21.14	20.82	21.9
15	64QAM	1	74	21.05	21.27	20.94	
15	64QAM	36	0	20.89	20.94	20.84	
15	64QAM	36	20	20.85	20.94	20.83	21.9
15	64QAM	36	39	20.82	20.89	20.83	



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Report No. : FA241216-02D

15	64QAM	75	0	20.81	20.94	20.79	
15	256QAM	1	0	19.04	19.00	19.00	19.9
15	256QAM	1	37	18.93	19.00	19.03	
15	256QAM	1	74	19.02	18.92	19.00	
15	256QAM	36	0	18.71	18.84	18.75	19.9
15	256QAM	36	20	18.75	18.83	18.71	
15	256QAM	36	39	18.63	18.76	18.67	
15	256QAM	75	0	18.70	18.89	18.73	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.90	21.01	20.72	21.9
10	QPSK	1	25	20.79	20.80	20.66	
10	QPSK	1	49	20.80	20.89	20.74	
10	QPSK	25	0	20.85	20.96	20.81	21.9
10	QPSK	25	12	20.86	20.89	20.83	
10	QPSK	25	25	20.80	20.84	20.78	
10	QPSK	50	0	20.82	20.91	20.79	
10	16QAM	1	0	21.18	21.16	21.09	21.9
10	16QAM	1	25	21.12	21.13	20.86	
10	16QAM	1	49	21.15	21.36	21.02	
10	16QAM	25	0	20.84	20.90	20.72	21.9
10	16QAM	25	12	20.90	20.94	20.77	
10	16QAM	25	25	20.83	20.90	20.76	
10	16QAM	50	0	20.80	20.85	20.70	
10	64QAM	1	0	21.20	21.11	20.97	21.9
10	64QAM	1	25	21.10	21.09	20.89	
10	64QAM	1	49	21.06	21.21	21.01	
10	64QAM	25	0	20.82	20.87	20.80	21.9
10	64QAM	25	12	20.90	20.94	20.79	
10	64QAM	25	25	20.82	20.92	20.80	
10	64QAM	50	0	20.82	20.90	20.71	
10	256QAM	1	0	19.01	18.95	18.93	19.9
10	256QAM	1	25	18.87	18.95	18.93	
10	256QAM	1	49	19.04	18.95	18.94	
10	256QAM	25	0	18.72	18.78	18.77	19.9
10	256QAM	25	12	18.84	18.85	18.79	
10	256QAM	25	25	18.69	18.77	18.70	
10	256QAM	50	0	18.68	18.84	18.78	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.89	21.00	20.76	21.9
5	QPSK	1	12	20.74	20.82	20.69	
5	QPSK	1	24	20.86	20.89	20.72	
5	QPSK	12	0	20.90	20.96	20.87	21.9
5	QPSK	12	7	20.85	20.92	20.82	
5	QPSK	12	13	20.85	20.91	20.75	
5	QPSK	25	0	20.87	20.91	20.84	
5	16QAM	1	0	21.14	21.10	21.10	21.9
5	16QAM	1	12	21.14	21.12	20.91	
5	16QAM	1	24	21.15	21.31	20.94	
5	16QAM	12	0	20.84	20.87	20.75	21.9
5	16QAM	12	7	20.90	20.88	20.80	
5	16QAM	12	13	20.88	20.98	20.73	
5	16QAM	25	0	20.79	20.89	20.70	
5	64QAM	1	0	21.13	21.14	21.06	21.9
5	64QAM	1	12	21.06	21.11	20.90	



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5	64QAM	1	24	21.11	21.26	20.93	
5	64QAM	12	0	20.89	20.90	20.85	21.9
5	64QAM	12	7	20.89	20.92	20.83	
5	64QAM	12	13	20.89	20.98	20.77	
5	64QAM	25	0	20.80	20.96	20.74	
5	256QAM	1	0	19.06	18.91	18.99	19.9
5	256QAM	1	12	18.85	19.00	19.02	
5	256QAM	1	24	19.05	19.00	18.99	
5	256QAM	12	0	18.74	18.76	18.73	19.9
5	256QAM	12	7	18.80	18.80	18.79	
5	256QAM	12	13	18.62	18.74	18.66	
5	256QAM	25	0	18.72	18.88	18.81	



FDD LTE Band 7_TX1 (Index 5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	20.92	21.01	20.81	22.3
20	QPSK	1	49	20.81	20.85	20.71	
20	QPSK	1	99	20.89	20.98	20.75	
20	QPSK	50	0	20.92	20.99	20.87	22.3
20	QPSK	50	24	20.89	20.96	20.86	
20	QPSK	50	50	20.88	20.94	20.85	
20	QPSK	100	0	20.88	20.96	20.85	22.3
20	16QAM	1	0	21.23	21.19	21.15	
20	16QAM	1	49	21.16	21.18	20.96	
20	16QAM	1	99	21.16	21.38	21.03	22.3
20	16QAM	50	0	20.90	20.96	20.82	
20	16QAM	50	24	20.90	20.97	20.84	
20	16QAM	50	50	20.90	20.98	20.81	22.3
20	16QAM	100	0	20.88	20.95	20.80	
20	64QAM	1	0	21.23	21.16	21.07	
20	64QAM	1	49	21.14	21.18	20.91	22.3
20	64QAM	1	99	21.14	21.31	21.02	
20	64QAM	50	0	20.89	20.97	20.88	
20	64QAM	50	24	20.91	21.00	20.86	22.2
20	64QAM	50	50	20.91	20.99	20.85	
20	64QAM	100	0	20.90	20.97	20.80	
20	256QAM	1	0	19.11	19.00	19.03	20.2
20	256QAM	1	49	18.93	19.02	19.03	
20	256QAM	1	99	19.06	19.01	19.03	
20	256QAM	50	0	18.80	18.84	18.77	20.2
20	256QAM	50	24	18.85	18.86	18.81	
20	256QAM	50	50	18.69	18.81	18.73	
20	256QAM	100	0	18.76	18.89	18.83	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)
15	QPSK	1	0	20.82	21.00	20.76	22.3
15	QPSK	1	37	20.77	20.83	20.64	
15	QPSK	1	74	20.79	20.96	20.73	
15	QPSK	36	0	20.87	20.99	20.80	22.3
15	QPSK	36	20	20.82	20.87	20.81	
15	QPSK	36	39	20.78	20.91	20.81	
15	QPSK	75	0	20.81	20.95	20.77	22.3
15	16QAM	1	0	21.18	21.13	21.06	
15	16QAM	1	37	21.07	21.12	20.90	
15	16QAM	1	74	21.07	21.30	20.95	22.3
15	16QAM	36	0	20.90	20.91	20.75	
15	16QAM	36	20	20.87	20.89	20.78	
15	16QAM	36	39	20.84	20.97	20.71	22.3
15	16QAM	75	0	20.85	20.85	20.77	
15	64QAM	1	0	21.16	21.15	21.07	
15	64QAM	1	37	21.14	21.14	20.82	22.3
15	64QAM	1	74	21.05	21.27	20.94	
15	64QAM	36	0	20.89	20.94	20.84	
15	64QAM	36	20	20.85	20.94	20.83	22.2
15	64QAM	36	39	20.82	20.89	20.83	



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Report No. : FA241216-02D

15	64QAM	75	0	20.81	20.94	20.79	
15	256QAM	1	0	19.04	19.00	19.00	20.2
15	256QAM	1	37	18.93	19.00	19.03	
15	256QAM	1	74	19.02	18.92	19.00	
15	256QAM	36	0	18.71	18.84	18.75	20.2
15	256QAM	36	20	18.75	18.83	18.71	
15	256QAM	36	39	18.63	18.76	18.67	
15	256QAM	75	0	18.70	18.89	18.73	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.90	21.01	20.72	22.3
10	QPSK	1	25	20.79	20.80	20.66	
10	QPSK	1	49	20.80	20.89	20.74	
10	QPSK	25	0	20.85	20.96	20.81	22.3
10	QPSK	25	12	20.86	20.89	20.83	
10	QPSK	25	25	20.80	20.84	20.78	
10	QPSK	50	0	20.82	20.91	20.79	
10	16QAM	1	0	21.18	21.16	21.09	22.3
10	16QAM	1	25	21.12	21.13	20.86	
10	16QAM	1	49	21.15	21.36	21.02	
10	16QAM	25	0	20.84	20.90	20.72	22.3
10	16QAM	25	12	20.90	20.94	20.77	
10	16QAM	25	25	20.83	20.90	20.76	
10	16QAM	50	0	20.80	20.85	20.70	
10	64QAM	1	0	21.20	21.11	20.97	22.3
10	64QAM	1	25	21.10	21.09	20.89	
10	64QAM	1	49	21.06	21.21	21.01	
10	64QAM	25	0	20.82	20.87	20.80	22.2
10	64QAM	25	12	20.90	20.94	20.79	
10	64QAM	25	25	20.82	20.92	20.80	
10	64QAM	50	0	20.82	20.90	20.71	
10	256QAM	1	0	19.01	18.95	18.93	20.2
10	256QAM	1	25	18.87	18.95	18.93	
10	256QAM	1	49	19.04	18.95	18.94	
10	256QAM	25	0	18.72	18.78	18.77	20.2
10	256QAM	25	12	18.84	18.85	18.79	
10	256QAM	25	25	18.69	18.77	18.70	
10	256QAM	50	0	18.68	18.84	18.78	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.89	21.00	20.76	22.3
5	QPSK	1	12	20.74	20.82	20.69	
5	QPSK	1	24	20.86	20.89	20.72	
5	QPSK	12	0	20.90	20.96	20.87	22.3
5	QPSK	12	7	20.85	20.92	20.82	
5	QPSK	12	13	20.85	20.91	20.75	
5	QPSK	25	0	20.87	20.91	20.84	
5	16QAM	1	0	21.14	21.10	21.10	22.3
5	16QAM	1	12	21.14	21.12	20.91	
5	16QAM	1	24	21.15	21.31	20.94	
5	16QAM	12	0	20.84	20.87	20.75	22.3
5	16QAM	12	7	20.90	20.88	20.80	
5	16QAM	12	13	20.88	20.98	20.73	
5	16QAM	25	0	20.79	20.89	20.70	
5	64QAM	1	0	21.13	21.14	21.06	22.3
5	64QAM	1	12	21.06	21.11	20.90	



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5	64QAM	1	24	21.11	21.26	20.93	
5	64QAM	12	0	20.89	20.90	20.85	22.2
5	64QAM	12	7	20.89	20.92	20.83	
5	64QAM	12	13	20.89	20.98	20.77	
5	64QAM	25	0	20.80	20.96	20.74	
5	256QAM	1	0	19.06	18.91	18.99	20.2
5	256QAM	1	12	18.85	19.00	19.02	
5	256QAM	1	24	19.05	19.00	18.99	
5	256QAM	12	0	18.74	18.76	18.73	20.2
5	256QAM	12	7	18.80	18.80	18.79	
5	256QAM	12	13	18.62	18.74	18.66	
5	256QAM	25	0	18.72	18.88	18.81	



FDD LTE Band 12_TX0 (Index 1/2/3/4/5/6)

Ant 0							
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	23.88	23.88	23.92	25.7
10	QPSK	1	25	23.75	23.73	23.82	
10	QPSK	1	49	23.86	23.86	23.87	
10	QPSK	25	0	22.93	22.95	22.98	24.7
10	QPSK	25	12	22.92	22.94	22.94	
10	QPSK	25	25	22.91	22.92	22.97	
10	QPSK	50	0	22.89	22.91	22.97	24.7
10	16QAM	1	0	23.26	23.14	23.25	
10	16QAM	1	25	23.13	23.22	23.33	
10	16QAM	1	49	23.26	23.27	23.11	23.7
10	16QAM	25	0	21.92	21.94	21.97	
10	16QAM	25	12	21.95	21.96	21.97	
10	16QAM	25	25	21.96	21.96	21.98	23.7
10	16QAM	50	0	21.93	21.93	21.97	
10	64QAM	1	0	22.25	22.09	22.11	
10	64QAM	1	25	22.15	22.18	22.20	23.7
10	64QAM	1	49	22.22	22.21	22.16	
10	64QAM	25	0	20.94	20.93	20.99	
10	64QAM	25	12	20.96	20.93	21.00	22.7
10	64QAM	25	25	20.95	20.96	21.00	
10	64QAM	50	0	20.95	20.96	21.01	
10	256QAM	1	0	19.31	19.53	19.37	20.7
10	256QAM	1	25	19.06	19.13	19.03	
10	256QAM	1	49	19.00	19.07	18.98	
10	256QAM	25	0	19.28	19.34	19.31	20.7
10	256QAM	25	12	18.96	19.01	18.97	
10	256QAM	25	25	18.87	18.96	18.87	
10	256QAM	50	0	19.06	19.15	19.09	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)
5	QPSK	1	0	23.83	23.80	23.91	25.7
5	QPSK	1	12	23.71	23.70	23.80	
5	QPSK	1	24	23.79	23.86	23.80	
5	QPSK	12	0	22.89	22.86	22.93	24.7
5	QPSK	12	7	22.90	22.85	22.88	
5	QPSK	12	13	22.81	22.91	22.96	
5	QPSK	25	0	22.84	22.85	22.94	24.7
5	16QAM	1	0	23.16	23.13	23.22	
5	16QAM	1	12	23.05	23.15	23.25	
5	16QAM	1	24	23.20	23.21	23.11	23.7
5	16QAM	12	0	21.88	21.94	21.95	
5	16QAM	12	7	21.88	21.92	21.91	
5	16QAM	12	13	21.94	21.88	21.88	23.7
5	16QAM	25	0	21.92	21.85	21.97	
5	64QAM	1	0	22.15	22.03	22.01	
5	64QAM	1	12	22.10	22.17	22.11	23.7
5	64QAM	1	24	22.20	22.18	22.12	
5	64QAM	12	0	20.86	20.83	20.96	
5	64QAM	12	7	20.89	20.88	20.97	22.7
5	64QAM	12	13	20.86	20.88	20.96	



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5	64QAM	25	0	20.88	20.86	20.99	
5	256QAM	1	0	19.21	19.48	19.28	20.7
5	256QAM	1	12	19.05	19.03	19.00	
5	256QAM	1	24	18.96	19.03	18.97	
5	256QAM	12	0	19.25	19.24	19.26	20.7
5	256QAM	12	7	18.97	18.93	18.88	
5	256QAM	12	13	18.87	18.86	18.89	
5	256QAM	25	0	19.03	19.14	19.07	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.83	23.87	23.85	25.7
3	QPSK	1	8	23.71	23.70	23.82	
3	QPSK	1	14	23.79	23.80	23.77	
3	QPSK	8	0	22.91	22.85	22.89	24.7
3	QPSK	8	4	22.91	22.91	22.84	
3	QPSK	8	7	22.88	22.92	22.89	
3	QPSK	15	0	22.82	22.86	22.90	
3	16QAM	1	0	23.23	23.10	23.15	24.7
3	16QAM	1	8	23.04	23.12	23.30	
3	16QAM	1	14	23.20	23.27	23.11	
3	16QAM	8	0	21.91	21.90	21.96	23.7
3	16QAM	8	4	21.87	21.92	21.96	
3	16QAM	8	7	21.96	21.91	21.92	
3	16QAM	15	0	21.86	21.83	21.93	
3	64QAM	1	0	22.17	22.07	22.11	23.7
3	64QAM	1	8	22.10	22.17	22.20	
3	64QAM	1	14	22.13	22.13	22.12	
3	64QAM	8	0	20.85	20.84	20.94	22.7
3	64QAM	8	4	20.89	20.83	20.98	
3	64QAM	8	7	20.86	20.95	20.90	
3	64QAM	15	0	20.89	20.91	20.97	
3	256QAM	1	0	19.24	19.51	19.31	20.7
3	256QAM	1	8	19.08	19.12	19.02	
3	256QAM	1	14	19.05	19.01	18.92	
3	256QAM	8	0	19.22	19.33	19.29	20.7
3	256QAM	8	4	18.82	18.97	18.96	
3	256QAM	8	7	18.91	18.89	18.92	
3	256QAM	15	0	18.97	19.07	19.01	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.85	23.88	23.87	25.7
1.4	QPSK	1	3	23.82	23.81	23.84	
1.4	QPSK	1	5	23.90	23.91	23.88	
1.4	QPSK	3	0	23.82	23.82	23.81	
1.4	QPSK	3	1	23.83	23.89	23.89	
1.4	QPSK	3	3	23.87	23.89	23.87	
1.4	QPSK	6	0	22.90	22.89	22.89	24.7
1.4	16QAM	1	0	23.16	23.17	23.17	24.7
1.4	16QAM	1	3	23.12	23.12	23.08	
1.4	16QAM	1	5	23.17	23.23	23.15	
1.4	16QAM	3	0	23.00	22.98	22.98	
1.4	16QAM	3	1	23.03	23.03	23.06	
1.4	16QAM	3	3	23.02	23.01	22.97	
1.4	16QAM	6	0	21.97	21.95	21.96	23.7
1.4	64QAM	1	0	22.11	22.08	22.16	23.7
1.4	64QAM	1	3	22.02	22.07	22.06	



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1.4	64QAM	1	5	22.12	22.15	22.08	
1.4	64QAM	3	0	21.98	21.96	21.96	
1.4	64QAM	3	1	22.04	22.01	22.02	
1.4	64QAM	3	3	22.00	21.96	21.97	
1.4	64QAM	6	0	20.95	20.93	20.93	22.7
1.4	256QAM	1	0	19.28	19.48	19.33	20.7
1.4	256QAM	1	3	19.00	19.11	19.06	
1.4	256QAM	1	5	18.87	18.99	19.02	
1.4	256QAM	3	0	19.29	19.24	19.21	
1.4	256QAM	3	1	18.91	18.93	18.94	
1.4	256QAM	3	3	18.85	18.91	18.92	
1.4	256QAM	6	0	19.05	19.14	19.03	20.7



FDD LTE Band 12_TX1 (Index 1/4/5/6)

Ant 1							
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	23.55	23.59	23.64	25.2
10	QPSK	1	25	23.36	23.43	23.48	
10	QPSK	1	49	23.53	23.56	23.60	
10	QPSK	25	0	22.55	22.56	22.62	24.2
10	QPSK	25	12	22.54	22.54	22.61	
10	QPSK	25	25	22.51	22.54	22.61	
10	QPSK	50	0	22.53	22.55	22.61	24.2
10	16QAM	1	0	22.83	22.77	22.96	
10	16QAM	1	25	22.84	22.91	22.80	
10	16QAM	1	49	22.93	22.86	22.86	23.2
10	16QAM	25	0	21.58	21.57	21.61	
10	16QAM	25	12	21.59	21.60	21.62	
10	16QAM	25	25	21.60	21.62	21.65	23.2
10	16QAM	50	0	21.53	21.59	21.59	
10	64QAM	1	0	21.74	21.74	21.81	
10	64QAM	1	25	21.79	21.78	21.71	23.2
10	64QAM	1	49	21.88	21.81	21.84	
10	64QAM	25	0	20.57	20.58	20.64	
10	64QAM	25	12	20.59	20.61	20.63	22.2
10	64QAM	25	25	20.59	20.59	20.65	
10	64QAM	50	0	20.58	20.61	20.63	
10	256QAM	1	0	18.74	18.85	18.81	20.2
10	256QAM	1	25	18.51	18.60	18.52	
10	256QAM	1	49	18.62	18.67	18.67	
10	256QAM	25	0	18.52	18.58	18.50	20.2
10	256QAM	25	12	18.56	18.57	18.56	
10	256QAM	25	25	18.54	18.60	18.50	
10	256QAM	50	0	18.51	18.56	18.49	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.48	23.56	23.56	25.2
5	QPSK	1	12	23.27	23.43	23.42	
5	QPSK	1	24	23.48	23.51	23.53	
5	QPSK	12	0	22.54	22.47	22.59	24.2
5	QPSK	12	7	22.54	22.53	22.53	
5	QPSK	12	13	22.42	22.53	22.59	
5	QPSK	25	0	22.44	22.50	22.56	24.2
5	16QAM	1	0	22.76	22.77	22.88	
5	16QAM	1	12	22.84	22.81	22.76	
5	16QAM	1	24	22.86	22.82	22.76	23.2
5	16QAM	12	0	21.52	21.51	21.53	
5	16QAM	12	7	21.50	21.60	21.54	
5	16QAM	12	13	21.55	21.52	21.62	23.2
5	16QAM	25	0	21.50	21.58	21.53	
5	64QAM	1	0	21.71	21.71	21.74	
5	64QAM	1	12	21.73	21.71	21.65	23.2
5	64QAM	1	24	21.78	21.73	21.77	
5	64QAM	12	0	20.48	20.55	20.62	
5	64QAM	12	7	20.53	20.51	20.57	22.2
5	64QAM	12	13	20.57	20.49	20.63	



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5	64QAM	25	0	20.53	20.52	20.62	
5	256QAM	1	0	18.69	18.84	18.73	20.2
5	256QAM	1	12	18.54	18.54	18.44	
5	256QAM	1	24	18.57	18.65	18.51	
5	256QAM	12	0	18.45	18.53	18.42	20.2
5	256QAM	12	7	18.49	18.53	18.51	
5	256QAM	12	13	18.49	18.51	18.56	
5	256QAM	25	0	18.41	18.48	18.46	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.55	23.54	23.63	25.2
3	QPSK	1	8	23.33	23.38	23.42	
3	QPSK	1	14	23.47	23.51	23.57	
3	QPSK	8	0	22.53	22.50	22.52	24.2
3	QPSK	8	4	22.46	22.47	22.52	
3	QPSK	8	7	22.42	22.45	22.51	
3	QPSK	15	0	22.44	22.54	22.56	
3	16QAM	1	0	22.79	22.74	22.93	24.2
3	16QAM	1	8	22.74	22.82	22.78	
3	16QAM	1	14	22.86	22.83	22.82	
3	16QAM	8	0	21.53	21.57	21.51	23.2
3	16QAM	8	4	21.58	21.52	21.54	
3	16QAM	8	7	21.55	21.53	21.61	
3	16QAM	15	0	21.49	21.59	21.49	
3	64QAM	1	0	21.73	21.65	21.81	23.2
3	64QAM	1	8	21.75	21.70	21.65	
3	64QAM	1	14	21.88	21.72	21.78	
3	64QAM	8	0	20.53	20.48	20.58	22.2
3	64QAM	8	4	20.59	20.58	20.60	
3	64QAM	8	7	20.53	20.56	20.59	
3	64QAM	15	0	20.51	20.52	20.63	
3	256QAM	1	0	18.68	18.83	18.71	20.2
3	256QAM	1	8	18.49	18.57	18.47	
3	256QAM	1	14	18.65	18.65	18.63	
3	256QAM	8	0	18.50	18.58	18.53	20.2
3	256QAM	8	4	18.41	18.49	18.42	
3	256QAM	8	7	18.59	18.53	18.51	
3	256QAM	15	0	18.45	18.51	18.44	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.39	23.46	23.44	25.2
1.4	QPSK	1	3	23.31	23.41	23.34	
1.4	QPSK	1	5	23.40	23.48	23.44	
1.4	QPSK	3	0	23.29	23.39	23.39	
1.4	QPSK	3	1	23.37	23.41	23.38	
1.4	QPSK	3	3	23.37	23.45	23.40	
1.4	QPSK	6	0	22.39	22.43	22.44	24.2
1.4	16QAM	1	0	22.64	22.80	22.80	24.2
1.4	16QAM	1	3	22.58	22.73	22.74	
1.4	16QAM	1	5	22.68	22.82	22.75	
1.4	16QAM	3	0	22.47	22.56	22.59	
1.4	16QAM	3	1	22.52	22.59	22.58	
1.4	16QAM	3	3	22.48	22.61	22.57	
1.4	16QAM	6	0	21.49	21.58	21.55	23.2
1.4	64QAM	1	0	21.50	21.72	21.70	23.2
1.4	64QAM	1	3	21.44	21.61	21.61	



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1.4	64QAM	1	5	21.50	21.73	21.68	
1.4	64QAM	3	0	21.50	21.56	21.61	
1.4	64QAM	3	1	21.58	21.68	21.66	
1.4	64QAM	3	3	21.48	21.63	21.66	
1.4	64QAM	6	0	20.45	20.52	20.53	22.2
1.4	256QAM	1	0	18.72	18.82	18.74	20.2
1.4	256QAM	1	3	18.50	18.57	18.50	
1.4	256QAM	1	5	18.58	18.57	18.59	
1.4	256QAM	3	0	18.54	18.57	18.49	
1.4	256QAM	3	1	18.48	18.57	18.52	
1.4	256QAM	3	3	18.52	18.50	18.55	
1.4	256QAM	6	0	18.38	18.46	18.38	20.2



FDD LTE Band 12_TX1 (Index 2)

Ant 1							
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	22.39	22.40	22.38	23.9
10	QPSK	1	25	22.24	22.20	22.25	
10	QPSK	1	49	22.34	22.32	22.35	
10	QPSK	25	0	22.39	22.42	22.41	23.9
10	QPSK	25	12	22.37	22.36	22.40	
10	QPSK	25	25	22.34	22.39	22.38	
10	QPSK	50	0	22.32	22.40	22.39	23.9
10	16QAM	1	0	22.60	22.84	22.80	
10	16QAM	1	25	22.63	22.72	22.60	
10	16QAM	1	49	22.71	22.66	22.64	23.1
10	16QAM	25	0	21.90	21.92	21.91	
10	16QAM	25	12	21.90	21.92	21.91	
10	16QAM	25	25	21.91	21.94	21.93	23.1
10	16QAM	50	0	21.84	21.89	21.91	
10	64QAM	1	0	22.10	22.04	22.18	
10	64QAM	1	25	22.02	22.08	22.08	23.1
10	64QAM	1	49	22.15	22.11	22.09	
10	64QAM	25	0	20.88	20.91	20.94	
10	64QAM	25	12	20.89	20.90	20.90	22.1
10	64QAM	25	25	20.91	20.91	20.93	
10	64QAM	50	0	20.90	20.90	20.95	
10	256QAM	1	0	18.67	18.83	18.76	20.1
10	256QAM	1	25	18.41	18.55	18.48	
10	256QAM	1	49	18.53	18.59	18.66	
10	256QAM	25	0	18.46	18.51	18.49	20.1
10	256QAM	25	12	18.52	18.52	18.55	
10	256QAM	25	25	18.47	18.58	18.43	
10	256QAM	50	0	18.46	18.56	18.40	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)
5	QPSK	1	0	22.33	22.30	22.29	23.9
5	QPSK	1	12	22.17	22.11	22.15	
5	QPSK	1	24	22.30	22.22	22.27	
5	QPSK	12	0	22.39	22.41	22.34	23.9
5	QPSK	12	7	22.33	22.30	22.35	
5	QPSK	12	13	22.32	22.30	22.37	
5	QPSK	25	0	22.26	22.38	22.39	23.9
5	16QAM	1	0	22.60	22.80	22.76	
5	16QAM	1	12	22.56	22.67	22.50	
5	16QAM	1	24	22.65	22.63	22.55	23.1
5	16QAM	12	0	21.86	21.89	21.89	
5	16QAM	12	7	21.87	21.84	21.88	
5	16QAM	12	13	21.86	21.86	21.83	23.1
5	16QAM	25	0	21.78	21.88	21.83	
5	64QAM	1	0	22.03	22.02	22.15	
5	64QAM	1	12	22.02	22.04	22.08	23.1
5	64QAM	1	24	22.09	22.10	22.05	
5	64QAM	12	0	20.86	20.85	20.93	
5	64QAM	12	7	20.87	20.81	20.88	22.1
5	64QAM	12	13	20.84	20.90	20.86	



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5	64QAM	25	0	20.86	20.80	20.93	
5	256QAM	1	0	18.65	18.73	18.68	20.1
5	256QAM	1	12	18.31	18.51	18.47	
5	256QAM	1	24	18.53	18.57	18.64	
5	256QAM	12	0	18.41	18.51	18.40	20.1
5	256QAM	12	7	18.45	18.45	18.55	
5	256QAM	12	13	18.46	18.54	18.33	
5	256QAM	25	0	18.38	18.51	18.37	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.34	22.33	22.38	23.9
3	QPSK	1	8	22.15	22.17	22.23	
3	QPSK	1	14	22.33	22.24	22.27	
3	QPSK	8	0	22.31	22.41	22.34	23.9
3	QPSK	8	4	22.33	22.28	22.33	
3	QPSK	8	7	22.26	22.34	22.35	
3	QPSK	15	0	22.22	22.33	22.34	
3	16QAM	1	0	22.58	22.74	22.80	23.9
3	16QAM	1	8	22.53	22.72	22.58	
3	16QAM	1	14	22.61	22.62	22.55	
3	16QAM	8	0	21.84	21.84	21.81	23.1
3	16QAM	8	4	21.84	21.86	21.85	
3	16QAM	8	7	21.89	21.92	21.93	
3	16QAM	15	0	21.83	21.89	21.84	
3	64QAM	1	0	22.02	21.94	22.09	23.1
3	64QAM	1	8	22.00	22.00	22.06	
3	64QAM	1	14	22.05	22.08	22.04	
3	64QAM	8	0	20.87	20.85	20.92	22.1
3	64QAM	8	4	20.88	20.88	20.90	
3	64QAM	8	7	20.86	20.81	20.86	
3	64QAM	15	0	20.90	20.82	20.95	
3	256QAM	1	0	18.58	18.79	18.74	20.1
3	256QAM	1	8	18.38	18.51	18.39	
3	256QAM	1	14	18.52	18.56	18.63	
3	256QAM	8	0	18.37	18.44	18.47	20.1
3	256QAM	8	4	18.44	18.51	18.54	
3	256QAM	8	7	18.37	18.57	18.41	
3	256QAM	15	0	18.45	18.51	18.39	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.28	22.39	22.37	23.9
1.4	QPSK	1	3	22.26	22.31	22.30	
1.4	QPSK	1	5	22.33	22.42	22.37	
1.4	QPSK	3	0	22.29	22.29	22.28	
1.4	QPSK	3	1	22.29	22.36	22.38	
1.4	QPSK	3	3	22.29	22.34	22.30	
1.4	QPSK	6	0	22.29	22.35	22.31	23.9
1.4	16QAM	1	0	22.56	22.67	22.66	23.9
1.4	16QAM	1	3	22.50	22.58	22.56	
1.4	16QAM	1	5	22.56	22.76	22.67	
1.4	16QAM	3	0	22.37	22.43	22.47	
1.4	16QAM	3	1	22.45	22.54	22.58	
1.4	16QAM	3	3	22.42	22.48	22.46	
1.4	16QAM	6	0	21.82	21.91	21.94	23.1
1.4	64QAM	1	0	21.99	22.06	22.12	23.1
1.4	64QAM	1	3	21.84	22.03	22.04	



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1.4	64QAM	1	5	21.93	22.12	22.10	
1.4	64QAM	3	0	21.83	21.96	21.98	
1.4	64QAM	3	1	21.95	22.11	22.04	
1.4	64QAM	3	3	21.94	22.08	21.99	
1.4	64QAM	6	0	20.86	20.90	20.89	22.1
1.4	256QAM	1	0	18.66	18.73	18.69	20.1
1.4	256QAM	1	3	18.44	18.52	18.46	
1.4	256QAM	1	5	18.56	18.57	18.59	
1.4	256QAM	3	0	18.47	18.51	18.46	
1.4	256QAM	3	1	18.38	18.49	18.43	
1.4	256QAM	3	3	18.42	18.42	18.52	
1.4	256QAM	6	0	18.35	18.44	18.28	20.1



FDD LTE Band 12_TX1 (Index 3)

Ant 1							
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	22.39	22.40	22.38	23.1
10	QPSK	1	25	22.24	22.20	22.25	
10	QPSK	1	49	22.34	22.32	22.35	
10	QPSK	25	0	22.39	22.42	22.41	23.1
10	QPSK	25	12	22.37	22.36	22.40	
10	QPSK	25	25	22.34	22.39	22.38	
10	QPSK	50	0	22.32	22.40	22.39	23.1
10	16QAM	1	0	22.60	22.84	22.80	
10	16QAM	1	25	22.63	22.72	22.60	
10	16QAM	1	49	22.71	22.66	22.64	23.1
10	16QAM	25	0	21.90	21.92	21.91	
10	16QAM	25	12	21.90	21.92	21.91	
10	16QAM	25	25	21.91	21.94	21.93	23.1
10	16QAM	50	0	21.84	21.89	21.91	
10	64QAM	1	0	22.10	22.04	22.18	
10	64QAM	1	25	22.02	22.08	22.08	23.1
10	64QAM	1	49	22.15	22.11	22.09	
10	64QAM	25	0	20.88	20.91	20.94	
10	64QAM	25	12	20.89	20.90	20.90	22.1
10	64QAM	25	25	20.91	20.91	20.93	
10	64QAM	50	0	20.90	20.90	20.95	
10	256QAM	1	0	18.67	18.83	18.76	20.1
10	256QAM	1	25	18.41	18.55	18.48	
10	256QAM	1	49	18.53	18.59	18.66	
10	256QAM	25	0	18.46	18.51	18.49	20.1
10	256QAM	25	12	18.52	18.52	18.55	
10	256QAM	25	25	18.47	18.58	18.43	
10	256QAM	50	0	18.46	18.56	18.40	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)
5	QPSK	1	0	22.33	22.30	22.29	23.1
5	QPSK	1	12	22.17	22.11	22.15	
5	QPSK	1	24	22.30	22.22	22.27	
5	QPSK	12	0	22.39	22.41	22.34	23.1
5	QPSK	12	7	22.33	22.30	22.35	
5	QPSK	12	13	22.32	22.30	22.37	
5	QPSK	25	0	22.26	22.38	22.39	23.1
5	16QAM	1	0	22.60	22.80	22.76	
5	16QAM	1	12	22.56	22.67	22.50	
5	16QAM	1	24	22.65	22.63	22.55	23.1
5	16QAM	12	0	21.86	21.89	21.89	
5	16QAM	12	7	21.87	21.84	21.88	
5	16QAM	12	13	21.86	21.86	21.83	23.1
5	16QAM	25	0	21.78	21.88	21.83	
5	64QAM	1	0	22.03	22.02	22.15	
5	64QAM	1	12	22.02	22.04	22.08	23.1
5	64QAM	1	24	22.09	22.10	22.05	
5	64QAM	12	0	20.86	20.85	20.93	
5	64QAM	12	7	20.87	20.81	20.88	22.1
5	64QAM	12	13	20.84	20.90	20.86	



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5	64QAM	25	0	20.86	20.80	20.93	
5	256QAM	1	0	18.65	18.73	18.68	20.1
5	256QAM	1	12	18.31	18.51	18.47	
5	256QAM	1	24	18.53	18.57	18.64	
5	256QAM	12	0	18.41	18.51	18.40	20.1
5	256QAM	12	7	18.45	18.45	18.55	
5	256QAM	12	13	18.46	18.54	18.33	
5	256QAM	25	0	18.38	18.51	18.37	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.34	22.33	22.38	23.1
3	QPSK	1	8	22.15	22.17	22.23	
3	QPSK	1	14	22.33	22.24	22.27	
3	QPSK	8	0	22.31	22.41	22.34	23.1
3	QPSK	8	4	22.33	22.28	22.33	
3	QPSK	8	7	22.26	22.34	22.35	
3	QPSK	15	0	22.22	22.33	22.34	
3	16QAM	1	0	22.58	22.74	22.80	23.1
3	16QAM	1	8	22.53	22.72	22.58	
3	16QAM	1	14	22.61	22.62	22.55	
3	16QAM	8	0	21.84	21.84	21.81	23.1
3	16QAM	8	4	21.84	21.86	21.85	
3	16QAM	8	7	21.89	21.92	21.93	
3	16QAM	15	0	21.83	21.89	21.84	
3	64QAM	1	0	22.02	21.94	22.09	23.1
3	64QAM	1	8	22.00	22.00	22.06	
3	64QAM	1	14	22.05	22.08	22.04	
3	64QAM	8	0	20.87	20.85	20.92	22.1
3	64QAM	8	4	20.88	20.88	20.90	
3	64QAM	8	7	20.86	20.81	20.86	
3	64QAM	15	0	20.90	20.82	20.95	
3	256QAM	1	0	18.58	18.79	18.74	20.1
3	256QAM	1	8	18.38	18.51	18.39	
3	256QAM	1	14	18.52	18.56	18.63	
3	256QAM	8	0	18.37	18.44	18.47	20.1
3	256QAM	8	4	18.44	18.51	18.54	
3	256QAM	8	7	18.37	18.57	18.41	
3	256QAM	15	0	18.45	18.51	18.39	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.28	22.39	22.37	23.1
1.4	QPSK	1	3	22.26	22.31	22.30	
1.4	QPSK	1	5	22.33	22.42	22.37	
1.4	QPSK	3	0	22.29	22.29	22.28	
1.4	QPSK	3	1	22.29	22.36	22.38	
1.4	QPSK	3	3	22.29	22.34	22.30	
1.4	QPSK	6	0	22.29	22.35	22.31	23.1
1.4	16QAM	1	0	22.56	22.67	22.66	23.1
1.4	16QAM	1	3	22.50	22.58	22.56	
1.4	16QAM	1	5	22.56	22.76	22.67	
1.4	16QAM	3	0	22.37	22.43	22.47	
1.4	16QAM	3	1	22.45	22.54	22.58	
1.4	16QAM	3	3	22.42	22.48	22.46	
1.4	16QAM	6	0	21.82	21.91	21.94	23.1
1.4	64QAM	1	0	21.99	22.06	22.12	23.1
1.4	64QAM	1	3	21.84	22.03	22.04	



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1.4	64QAM	1	5	21.93	22.12	22.10	
1.4	64QAM	3	0	21.83	21.96	21.98	
1.4	64QAM	3	1	21.95	22.11	22.04	
1.4	64QAM	3	3	21.94	22.08	21.99	
1.4	64QAM	6	0	20.86	20.90	20.89	22.1
1.4	256QAM	1	0	18.66	18.73	18.69	20.1
1.4	256QAM	1	3	18.44	18.52	18.46	
1.4	256QAM	1	5	18.56	18.57	18.59	
1.4	256QAM	3	0	18.47	18.51	18.46	
1.4	256QAM	3	1	18.38	18.49	18.43	
1.4	256QAM	3	3	18.42	18.42	18.52	
1.4	256QAM	6	0	18.35	18.44	18.28	20.1



FDD LTE Band 17_TX0 (Index 1/2/3/4/5/6)

Ant 0							
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	23.78	23.82	23.86	25.7
10	QPSK	1	25	23.72	23.70	23.74	
10	QPSK	1	49	23.75	23.78	23.78	
10	QPSK	25	0	22.83	22.86	22.91	24.7
10	QPSK	25	12	22.84	22.86	22.89	
10	QPSK	25	25	22.84	22.86	22.90	
10	QPSK	50	0	22.84	22.84	22.88	24.7
10	16QAM	1	0	23.05	23.07	23.10	
10	16QAM	1	25	23.12	23.17	23.21	
10	16QAM	1	49	23.21	23.10	23.12	23.7
10	16QAM	25	0	21.85	21.87	21.88	
10	16QAM	25	12	21.85	21.89	21.89	
10	16QAM	25	25	21.86	21.88	21.90	23.7
10	16QAM	50	0	21.84	21.86	21.90	
10	64QAM	1	0	21.93	22.06	22.17	
10	64QAM	1	25	22.08	22.15	22.20	23.7
10	64QAM	1	49	22.12	22.16	22.17	
10	64QAM	25	0	20.87	20.88	20.93	
10	64QAM	25	12	20.88	20.88	20.88	22.7
10	64QAM	25	25	20.88	20.89	20.90	
10	64QAM	50	0	20.89	20.90	20.94	
10	256QAM	1	0	19.26	19.21	19.19	20.7
10	256QAM	1	25	19.09	19.10	19.05	
10	256QAM	1	49	18.87	18.89	18.82	
10	256QAM	25	0	19.01	19.08	19.03	20.7
10	256QAM	25	12	18.88	18.93	18.87	
10	256QAM	25	25	18.94	18.96	18.95	
10	256QAM	50	0	18.87	18.95	18.92	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)
5	QPSK	1	0	23.74	23.78	23.82	25.7
5	QPSK	1	12	23.71	23.70	23.72	
5	QPSK	1	24	23.74	23.72	23.71	
5	QPSK	12	0	22.83	22.80	22.85	24.7
5	QPSK	12	7	22.80	22.82	22.79	
5	QPSK	12	13	22.78	22.80	22.85	
5	QPSK	25	0	22.81	22.74	22.85	24.7
5	16QAM	1	0	22.95	23.00	23.09	
5	16QAM	1	12	23.03	23.14	23.18	
5	16QAM	1	24	23.18	23.06	23.07	23.7
5	16QAM	12	0	21.80	21.85	21.79	
5	16QAM	12	7	21.80	21.89	21.81	
5	16QAM	12	13	21.83	21.80	21.87	23.7
5	16QAM	25	0	21.79	21.80	21.90	
5	64QAM	1	0	21.91	22.01	22.13	
5	64QAM	1	12	22.07	22.11	22.16	23.7
5	64QAM	1	24	22.12	22.13	22.15	
5	64QAM	12	0	20.83	20.79	20.88	
5	64QAM	12	7	20.84	20.86	20.78	22.7
5	64QAM	12	13	20.79	20.88	20.84	



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5	64QAM	25	0	20.82	20.88	20.92	
5	256QAM	1	0	19.20	19.18	19.11	20.7
5	256QAM	1	12	19.03	19.09	19.03	
5	256QAM	1	24	18.86	18.89	18.76	
5	256QAM	12	0	18.91	19.05	19.00	20.7
5	256QAM	12	7	18.78	18.86	18.85	
5	256QAM	12	13	18.84	18.90	18.93	
5	256QAM	25	0	18.87	18.92	18.91	



FDD LTE Band 17_TX1 (Index 1/4/5/6)

Ant 1							
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	23.54	23.53	23.56	25.2
10	QPSK	1	25	23.36	23.30	23.35	
10	QPSK	1	49	23.49	23.45	23.46	
10	QPSK	25	0	22.49	22.53	22.56	24.2
10	QPSK	25	12	22.52	22.51	22.52	
10	QPSK	25	25	22.55	22.48	22.53	
10	QPSK	50	0	22.52	22.50	22.54	24.2
10	16QAM	1	0	22.86	22.83	22.91	
10	16QAM	1	25	22.86	22.74	22.74	
10	16QAM	1	49	22.84	22.80	22.82	23.2
10	16QAM	25	0	21.54	21.55	21.54	
10	16QAM	25	12	21.56	21.55	21.56	
10	16QAM	25	25	21.57	21.52	21.54	23.2
10	16QAM	50	0	21.54	21.56	21.56	
10	64QAM	1	0	21.69	21.77	21.83	
10	64QAM	1	25	21.77	21.71	21.73	23.2
10	64QAM	1	49	21.72	21.70	21.80	
10	64QAM	25	0	20.56	20.52	20.60	
10	64QAM	25	12	20.54	20.57	20.58	22.2
10	64QAM	25	25	20.56	20.58	20.60	
10	64QAM	50	0	20.59	20.58	20.59	
10	256QAM	1	0	18.75	18.65	18.79	20.2
10	256QAM	1	25	18.71	18.78	18.71	
10	256QAM	1	49	18.29	18.36	18.26	
10	256QAM	25	0	18.61	18.61	18.52	20.2
10	256QAM	25	12	18.47	18.54	18.48	
10	256QAM	25	25	18.38	18.47	18.38	
10	256QAM	50	0	18.52	18.53	18.53	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.44	23.47	23.55	25.2
5	QPSK	1	12	23.29	23.26	23.35	
5	QPSK	1	24	23.44	23.40	23.43	
5	QPSK	12	0	22.41	22.46	22.55	24.2
5	QPSK	12	7	22.51	22.43	22.50	
5	QPSK	12	13	22.48	22.43	22.49	
5	QPSK	25	0	22.46	22.47	22.50	24.2
5	16QAM	1	0	22.85	22.73	22.91	
5	16QAM	1	12	22.83	22.74	22.71	
5	16QAM	1	24	22.83	22.73	22.76	23.2
5	16QAM	12	0	21.54	21.45	21.51	
5	16QAM	12	7	21.55	21.53	21.49	
5	16QAM	12	13	21.51	21.47	21.50	23.2
5	16QAM	25	0	21.54	21.52	21.46	
5	64QAM	1	0	21.67	21.68	21.81	
5	64QAM	1	12	21.77	21.63	21.64	23.2
5	64QAM	1	24	21.71	21.70	21.78	
5	64QAM	12	0	20.56	20.42	20.56	
5	64QAM	12	7	20.52	20.52	20.50	22.2
5	64QAM	12	13	20.49	20.52	20.57	



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5	64QAM	25	0	20.57	20.52	20.59	
5	256QAM	1	0	18.68	18.64	18.70	20.2
5	256QAM	1	12	18.62	18.71	18.68	
5	256QAM	1	24	18.26	18.28	18.23	
5	256QAM	12	0	18.54	18.61	18.49	20.2
5	256QAM	12	7	18.47	18.50	18.48	
5	256QAM	12	13	18.32	18.41	18.37	
5	256QAM	25	0	18.49	18.43	18.45	



FDD LTE Band 17_TX1 (Index 2)

Ant 1							
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	22.35	22.36	22.33	23.9
10	QPSK	1	25	22.24	22.15	22.16	
10	QPSK	1	49	22.29	22.26	22.29	
10	QPSK	25	0	22.36	22.37	22.36	23.9
10	QPSK	25	12	22.35	22.33	22.35	
10	QPSK	25	25	22.35	22.36	22.35	
10	QPSK	50	0	22.34	22.35	22.33	23.9
10	16QAM	1	0	22.75	22.76	22.74	
10	16QAM	1	25	22.71	22.72	22.67	
10	16QAM	1	49	22.66	22.67	22.65	23.1
10	16QAM	25	0	21.83	21.84	21.87	
10	16QAM	25	12	21.87	21.84	21.87	
10	16QAM	25	25	21.87	21.85	21.85	23.1
10	16QAM	50	0	21.84	21.83	21.83	
10	64QAM	1	0	22.08	22.14	22.14	
10	64QAM	1	25	22.05	22.01	22.00	23.1
10	64QAM	1	49	22.11	22.04	22.06	
10	64QAM	25	0	20.86	20.84	20.86	
10	64QAM	25	12	20.87	20.84	20.83	22.1
10	64QAM	25	25	20.86	20.88	20.89	
10	64QAM	50	0	20.89	20.87	20.88	
10	256QAM	1	0	18.68	18.57	18.71	20.1
10	256QAM	1	25	18.70	18.71	18.62	
10	256QAM	1	49	18.22	18.28	18.18	
10	256QAM	25	0	18.57	18.51	18.45	20.1
10	256QAM	25	12	18.37	18.45	18.41	
10	256QAM	25	25	18.33	18.45	18.32	
10	256QAM	50	0	18.47	18.46	18.52	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)
5	QPSK	1	0	22.29	22.34	22.24	23.9
5	QPSK	1	12	22.15	22.10	22.12	
5	QPSK	1	24	22.26	22.21	22.28	
5	QPSK	12	0	22.28	22.30	22.32	23.9
5	QPSK	12	7	22.28	22.24	22.27	
5	QPSK	12	13	22.30	22.36	22.30	
5	QPSK	25	0	22.33	22.26	22.32	23.9
5	16QAM	1	0	22.73	22.67	22.72	
5	16QAM	1	12	22.62	22.72	22.66	
5	16QAM	1	24	22.57	22.62	22.58	23.1
5	16QAM	12	0	21.79	21.75	21.77	
5	16QAM	12	7	21.77	21.81	21.79	
5	16QAM	12	13	21.86	21.76	21.78	23.1
5	16QAM	25	0	21.77	21.76	21.75	
5	64QAM	1	0	22.05	22.04	22.07	
5	64QAM	1	12	22.01	21.94	21.96	23.1
5	64QAM	1	24	22.11	21.95	22.04	
5	64QAM	12	0	20.84	20.81	20.80	
5	64QAM	12	7	20.87	20.77	20.79	22.1
5	64QAM	12	13	20.76	20.85	20.83	



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5	64QAM	25	0	20.89	20.86	20.87	
5	256QAM	1	0	18.58	18.57	18.63	20.1
5	256QAM	1	12	18.66	18.69	18.62	
5	256QAM	1	24	18.15	18.19	18.17	
5	256QAM	12	0	18.50	18.47	18.45	20.1
5	256QAM	12	7	18.35	18.40	18.33	
5	256QAM	12	13	18.29	18.42	18.22	
5	256QAM	25	0	18.38	18.38	18.47	



FDD LTE Band 17_TX1 (Index 3)

Ant 1							
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	22.35	22.36	22.33	
10	QPSK	1	25	22.24	22.15	22.16	23.1
10	QPSK	1	49	22.29	22.26	22.29	
10	QPSK	25	0	22.36	22.37	22.36	
10	QPSK	25	12	22.35	22.33	22.35	23.1
10	QPSK	25	25	22.35	22.36	22.35	
10	QPSK	50	0	22.34	22.35	22.33	
10	16QAM	1	0	22.75	22.76	22.74	23.1
10	16QAM	1	25	22.71	22.72	22.67	
10	16QAM	1	49	22.66	22.67	22.65	
10	16QAM	25	0	21.83	21.84	21.87	23.1
10	16QAM	25	12	21.87	21.84	21.87	
10	16QAM	25	25	21.87	21.85	21.85	
10	16QAM	50	0	21.84	21.83	21.83	23.1
10	64QAM	1	0	22.08	22.14	22.14	
10	64QAM	1	25	22.05	22.01	22.00	
10	64QAM	1	49	22.11	22.04	22.06	23.1
10	64QAM	25	0	20.86	20.84	20.86	
10	64QAM	25	12	20.87	20.84	20.83	
10	64QAM	25	25	20.86	20.88	20.89	22.1
10	64QAM	50	0	20.89	20.87	20.88	
10	256QAM	1	0	18.68	18.57	18.71	
10	256QAM	1	25	18.70	18.71	18.62	20.1
10	256QAM	1	49	18.22	18.28	18.18	
10	256QAM	25	0	18.57	18.51	18.45	
10	256QAM	25	12	18.37	18.45	18.41	20.1
10	256QAM	25	25	18.33	18.45	18.32	
10	256QAM	50	0	18.47	18.46	18.52	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.29	22.34	22.24	23.1
5	QPSK	1	12	22.15	22.10	22.12	
5	QPSK	1	24	22.26	22.21	22.28	
5	QPSK	12	0	22.28	22.30	22.32	23.1
5	QPSK	12	7	22.28	22.24	22.27	
5	QPSK	12	13	22.30	22.36	22.30	
5	QPSK	25	0	22.33	22.26	22.32	23.1
5	16QAM	1	0	22.73	22.67	22.72	
5	16QAM	1	12	22.62	22.72	22.66	
5	16QAM	1	24	22.57	22.62	22.58	23.1
5	16QAM	12	0	21.79	21.75	21.77	
5	16QAM	12	7	21.77	21.81	21.79	
5	16QAM	12	13	21.86	21.76	21.78	23.1
5	16QAM	25	0	21.77	21.76	21.75	
5	64QAM	1	0	22.05	22.04	22.07	
5	64QAM	1	12	22.01	21.94	21.96	23.1
5	64QAM	1	24	22.11	21.95	22.04	
5	64QAM	12	0	20.84	20.81	20.80	
5	64QAM	12	7	20.87	20.77	20.79	22.1
5	64QAM	12	13	20.76	20.85	20.83	



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5	64QAM	25	0	20.89	20.86	20.87	
5	256QAM	1	0	18.58	18.57	18.63	20.1
5	256QAM	1	12	18.66	18.69	18.62	
5	256QAM	1	24	18.15	18.19	18.17	
5	256QAM	12	0	18.50	18.47	18.45	20.1
5	256QAM	12	7	18.35	18.40	18.33	
5	256QAM	12	13	18.29	18.42	18.22	
5	256QAM	25	0	18.38	18.38	18.47	



FDD LTE Band 25_TX0 (Index 1/2/3)

Ant 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	24.03	24.21	24.06	25.7
20	QPSK	1	49	23.99	23.92	23.86	
20	QPSK	1	99	23.92	23.73	24.05	
20	QPSK	50	0	22.73	22.75	22.74	24.2
20	QPSK	50	24	22.72	22.70	22.73	
20	QPSK	50	50	22.70	22.71	22.73	
20	QPSK	100	0	22.71	22.72	22.70	24.7
20	16QAM	1	0	23.41	23.45	23.27	
20	16QAM	1	49	23.24	23.28	23.15	
20	16QAM	1	99	23.32	23.05	23.33	23.7
20	16QAM	50	0	22.16	22.18	22.05	
20	16QAM	50	24	22.17	22.11	22.08	
20	16QAM	50	50	22.12	22.00	22.14	23.7
20	16QAM	100	0	22.12	22.10	22.08	
20	64QAM	1	0	22.34	22.46	22.33	
20	64QAM	1	49	22.35	22.27	22.23	23.7
20	64QAM	1	99	22.31	22.03	22.39	
20	64QAM	50	0	21.24	21.23	21.11	
20	64QAM	50	24	21.23	21.16	21.13	22.7
20	64QAM	50	50	21.16	21.06	21.18	
20	64QAM	100	0	21.19	21.16	21.12	
20	256QAM	1	0	19.51	19.57	19.55	20.7
20	256QAM	1	49	19.50	19.60	19.51	
20	256QAM	1	99	19.38	19.38	19.30	
20	256QAM	50	0	19.73	19.74	19.71	20.7
20	256QAM	50	24	19.44	19.50	19.43	
20	256QAM	50	50	19.34	19.40	19.37	
20	256QAM	100	0	19.50	19.54	19.51	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	Tune-up limit (dBm)
15	QPSK	1	0	23.97	24.19	23.97	25.7
15	QPSK	1	37	23.95	23.89	23.82	
15	QPSK	1	74	23.92	23.70	23.97	
15	QPSK	36	0	22.59	22.64	22.47	24.2
15	QPSK	36	20	22.57	22.48	22.47	
15	QPSK	36	39	22.52	22.42	22.56	
15	QPSK	75	0	22.60	22.50	22.49	24.7
15	16QAM	1	0	23.41	23.41	23.22	
15	16QAM	1	37	23.24	23.23	23.05	
15	16QAM	1	74	23.27	23.01	23.32	23.7
15	16QAM	36	0	22.09	22.10	21.96	
15	16QAM	36	20	22.12	22.07	22.05	
15	16QAM	36	39	22.03	21.96	22.14	23.7
15	16QAM	75	0	22.05	22.08	22.04	
15	64QAM	1	0	22.31	22.43	22.32	
15	64QAM	1	37	22.32	22.23	22.22	23.7
15	64QAM	1	74	22.27	21.95	22.29	
15	64QAM	36	0	21.21	21.23	21.06	
15	64QAM	36	20	21.19	21.14	21.03	22.7
15	64QAM	36	39	21.06	21.05	21.17	



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15	64QAM	75	0	21.19	21.08	21.11	
15	256QAM	1	0	19.51	19.48	19.45	20.7
15	256QAM	1	37	19.42	19.50	19.43	
15	256QAM	1	74	19.31	19.34	19.26	
15	256QAM	36	0	19.71	19.65	19.67	20.7
15	256QAM	36	20	19.36	19.49	19.43	
15	256QAM	36	39	19.31	19.30	19.36	
15	256QAM	75	0	19.49	19.45	19.45	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.91	23.94	23.90	25.7
10	QPSK	1	25	23.68	23.68	23.76	
10	QPSK	1	49	23.80	23.65	23.98	
10	QPSK	25	0	22.39	22.42	22.44	24.2
10	QPSK	25	12	22.46	22.43	22.55	
10	QPSK	25	25	22.46	22.38	22.61	
10	QPSK	50	0	22.45	22.42	22.53	
10	16QAM	1	0	23.16	23.23	23.14	24.7
10	16QAM	1	25	23.08	23.08	23.18	
10	16QAM	1	49	23.11	22.95	23.24	
10	16QAM	25	0	21.96	22.00	21.99	23.7
10	16QAM	25	12	22.01	21.98	22.04	
10	16QAM	25	25	22.01	21.94	22.10	
10	16QAM	50	0	21.98	21.98	22.02	
10	64QAM	1	0	22.16	22.28	22.27	23.7
10	64QAM	1	25	22.07	22.07	22.14	
10	64QAM	1	49	22.16	22.05	22.32	
10	64QAM	25	0	21.04	21.00	21.03	22.7
10	64QAM	25	12	21.02	20.97	21.06	
10	64QAM	25	25	21.03	20.96	21.14	
10	64QAM	50	0	21.04	21.06	21.12	
10	256QAM	1	0	19.41	19.50	19.45	20.7
10	256QAM	1	25	19.50	19.53	19.53	
10	256QAM	1	49	19.37	19.35	19.22	
10	256QAM	25	0	19.68	19.70	19.57	20.7
10	256QAM	25	12	19.36	19.41	19.31	
10	256QAM	25	25	19.33	19.32	19.30	
10	256QAM	50	0	19.47	19.49	19.40	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.85	23.84	23.90	25.7
5	QPSK	1	12	23.68	23.66	23.75	
5	QPSK	1	24	23.78	23.60	23.96	
5	QPSK	12	0	22.39	22.38	22.34	24.2
5	QPSK	12	7	22.42	22.36	22.55	
5	QPSK	12	13	22.39	22.31	22.61	
5	QPSK	25	0	22.40	22.42	22.47	
5	16QAM	1	0	23.12	23.17	23.10	24.7
5	16QAM	1	12	23.01	23.08	23.16	
5	16QAM	1	24	23.05	22.86	23.21	
5	16QAM	12	0	21.86	22.00	21.95	23.7
5	16QAM	12	7	21.98	21.96	21.94	
5	16QAM	12	13	21.94	21.90	22.09	
5	16QAM	25	0	21.89	21.89	22.02	
5	64QAM	1	0	22.14	22.21	22.23	23.7
5	64QAM	1	12	21.97	22.02	22.14	



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5	64QAM	1	24	22.14	22.01	22.31	
5	64QAM	12	0	20.94	20.93	20.98	22.7
5	64QAM	12	7	20.93	20.91	21.01	
5	64QAM	12	13	20.94	20.87	21.14	
5	64QAM	25	0	21.02	20.99	21.11	
5	256QAM	1	0	19.49	19.55	19.45	20.7
5	256QAM	1	12	19.49	19.53	19.54	
5	256QAM	1	24	19.22	19.38	19.27	
5	256QAM	12	0	19.68	19.72	19.65	20.7
5	256QAM	12	7	19.42	19.50	19.44	
5	256QAM	12	13	19.29	19.31	19.32	
5	256QAM	25	0	19.48	19.53	19.48	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.83	23.85	23.82	25.7
3	QPSK	1	8	23.67	23.61	23.68	
3	QPSK	1	14	23.71	23.64	23.91	
3	QPSK	8	0	22.39	22.33	22.43	24.2
3	QPSK	8	4	22.43	22.43	22.53	
3	QPSK	8	7	22.36	22.33	22.52	
3	QPSK	15	0	22.45	22.33	22.45	
3	16QAM	1	0	23.10	23.21	23.05	24.7
3	16QAM	1	8	23.01	23.08	23.09	
3	16QAM	1	14	23.02	22.85	23.14	
3	16QAM	8	0	21.93	21.94	21.91	23.7
3	16QAM	8	4	21.97	21.94	22.00	
3	16QAM	8	7	21.93	21.94	22.06	
3	16QAM	15	0	21.95	21.93	22.01	
3	64QAM	1	0	22.13	22.18	22.23	23.7
3	64QAM	1	8	22.01	22.04	22.14	
3	64QAM	1	14	22.09	22.01	22.24	
3	64QAM	8	0	20.96	20.94	21.03	
3	64QAM	8	4	21.00	20.93	20.99	22.7
3	64QAM	8	7	21.02	20.88	21.05	
3	64QAM	15	0	21.04	21.06	21.02	
3	256QAM	1	0	19.46	19.56	19.49	
3	256QAM	1	8	19.51	19.60	19.47	20.7
3	256QAM	1	14	19.30	19.29	19.31	
3	256QAM	8	0	19.68	19.73	19.60	
3	256QAM	8	4	19.42	19.46	19.47	20.7
3	256QAM	8	7	19.27	19.39	19.32	
3	256QAM	15	0	19.44	19.51	19.49	
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.92	23.88	24.02	25.7
1.4	QPSK	1	3	23.85	23.78	23.92	
1.4	QPSK	1	5	23.90	23.87	24.00	
1.4	QPSK	3	0	23.78	23.73	23.89	
1.4	QPSK	3	1	23.86	23.80	23.97	
1.4	QPSK	3	3	23.83	23.80	23.96	
1.4	QPSK	6	0	22.40	22.34	22.48	24.2
1.4	16QAM	1	0	23.14	23.18	23.21	24.7
1.4	16QAM	1	3	23.02	23.01	23.10	
1.4	16QAM	1	5	23.19	23.16	23.27	
1.4	16QAM	3	0	22.94	22.93	23.02	
1.4	16QAM	3	1	22.97	23.01	23.06	



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1.4	16QAM	3	3	22.99	22.96	23.07	
1.4	16QAM	6	0	22.01	21.92	22.05	23.7
1.4	64QAM	1	0	22.08	22.01	22.11	23.7
1.4	64QAM	1	3	21.99	21.97	22.03	
1.4	64QAM	1	5	22.14	22.02	22.12	
1.4	64QAM	3	0	22.07	21.96	22.05	
1.4	64QAM	3	1	22.13	22.02	22.11	
1.4	64QAM	3	3	22.09	22.02	22.14	
1.4	64QAM	6	0	21.02	20.97	21.03	22.7
1.4	256QAM	1	0	19.45	19.56	19.47	20.7
1.4	256QAM	1	3	19.44	19.55	19.52	
1.4	256QAM	1	5	19.33	19.36	19.26	
1.4	256QAM	3	0	19.65	19.66	19.60	
1.4	256QAM	3	1	19.41	19.48	19.37	
1.4	256QAM	3	3	19.34	19.39	19.30	
1.4	256QAM	6	0	19.49	19.45	19.39	20.7



FDD LTE Band 25_TX0 (Index 4/5/6)

Ant 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	21.23	21.38	21.37	22.5
20	QPSK	1	49	21.15	21.11	21.09	
20	QPSK	1	99	21.15	20.96	21.36	
20	QPSK	50	0	21.38	21.42	21.36	22.5
20	QPSK	50	24	21.37	21.31	21.33	
20	QPSK	50	50	21.35	21.20	21.35	
20	QPSK	100	0	21.37	21.38	21.35	22.5
20	16QAM	1	0	21.65	21.73	21.60	
20	16QAM	1	49	21.50	21.56	21.48	
20	16QAM	1	99	21.51	21.37	21.72	22.5
20	16QAM	50	0	21.40	21.41	21.34	
20	16QAM	50	24	21.41	21.33	21.34	
20	16QAM	50	50	21.35	21.22	21.38	22.5
20	16QAM	100	0	21.35	21.29	21.34	
20	64QAM	1	0	21.51	21.56	21.47	
20	64QAM	1	49	21.37	21.38	21.39	22.5
20	64QAM	1	99	21.39	21.21	21.57	
20	64QAM	50	0	21.44	21.44	21.36	
20	64QAM	50	24	21.41	21.34	21.35	22.5
20	64QAM	50	50	21.35	21.22	21.39	
20	64QAM	100	0	21.37	21.31	21.34	
20	256QAM	1	0	19.73	19.56	19.86	20.5
20	256QAM	1	49	19.48	19.50	19.49	
20	256QAM	1	99	19.70	19.72	19.54	
20	256QAM	50	0	19.46	19.53	19.53	20.5
20	256QAM	50	24	19.44	19.48	19.37	
20	256QAM	50	50	19.41	19.44	19.46	
20	256QAM	100	0	19.34	19.44	19.51	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	Tune-up limit (dBm)
15	QPSK	1	0	21.23	21.32	21.27	22.5
15	QPSK	1	37	21.14	21.01	21.08	
15	QPSK	1	74	21.13	20.88	21.34	
15	QPSK	36	0	21.38	21.37	21.32	22.5
15	QPSK	36	20	21.29	21.23	21.31	
15	QPSK	36	39	21.33	21.16	21.29	
15	QPSK	75	0	21.34	21.32	21.30	22.5
15	16QAM	1	0	21.55	21.66	21.59	
15	16QAM	1	37	21.49	21.54	21.40	
15	16QAM	1	74	21.48	21.29	21.72	22.5
15	16QAM	36	0	21.39	21.34	21.34	
15	16QAM	36	20	21.41	21.23	21.24	
15	16QAM	36	39	21.29	21.22	21.33	22.5
15	16QAM	75	0	21.32	21.21	21.25	
15	64QAM	1	0	21.42	21.54	21.47	
15	64QAM	1	37	21.28	21.33	21.32	22.5
15	64QAM	1	74	21.39	21.12	21.49	
15	64QAM	36	0	21.44	21.42	21.34	
15	64QAM	36	20	21.34	21.34	21.32	22.5
15	64QAM	36	39	21.30	21.14	21.30	



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15	64QAM	75	0	21.36	21.25	21.28	
15	256QAM	1	0	19.68	19.50	19.78	20.5
15	256QAM	1	37	19.38	19.47	19.39	
15	256QAM	1	74	19.64	19.68	19.45	
15	256QAM	36	0	19.43	19.51	19.49	20.5
15	256QAM	36	20	19.40	19.40	19.27	
15	256QAM	36	39	19.32	19.41	19.42	
15	256QAM	75	0	19.24	19.40	19.49	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	21.18	21.36	21.22	22.5
10	QPSK	1	25	21.08	21.10	21.08	
10	QPSK	1	49	21.15	20.94	21.32	
10	QPSK	25	0	21.36	21.39	21.28	22.5
10	QPSK	25	12	21.27	21.24	21.30	
10	QPSK	25	25	21.27	21.20	21.30	
10	QPSK	50	0	21.31	21.31	21.26	
10	16QAM	1	0	21.63	21.72	21.52	22.5
10	16QAM	1	25	21.50	21.54	21.44	
10	16QAM	1	49	21.42	21.36	21.67	
10	16QAM	25	0	21.38	21.39	21.32	22.5
10	16QAM	25	12	21.33	21.31	21.31	
10	16QAM	25	25	21.33	21.17	21.36	
10	16QAM	50	0	21.27	21.28	21.30	
10	64QAM	1	0	21.45	21.54	21.46	22.5
10	64QAM	1	25	21.36	21.36	21.31	
10	64QAM	1	49	21.37	21.18	21.49	
10	64QAM	25	0	21.44	21.36	21.35	22.5
10	64QAM	25	12	21.38	21.28	21.29	
10	64QAM	25	25	21.25	21.17	21.32	
10	64QAM	50	0	21.30	21.25	21.31	
10	256QAM	1	0	19.70	19.52	19.83	20.5
10	256QAM	1	25	19.39	19.46	19.45	
10	256QAM	1	49	19.65	19.65	19.47	
10	256QAM	25	0	19.41	19.44	19.50	20.5
10	256QAM	25	12	19.41	19.39	19.31	
10	256QAM	25	25	19.31	19.35	19.46	
10	256QAM	50	0	19.26	19.34	19.46	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	21.21	21.33	21.17	22.5
5	QPSK	1	12	21.06	21.11	21.09	
5	QPSK	1	24	21.13	20.91	21.33	
5	QPSK	12	0	21.30	21.37	21.30	22.5
5	QPSK	12	7	21.28	21.21	21.31	
5	QPSK	12	13	21.35	21.18	21.37	
5	QPSK	25	0	21.34	21.32	21.29	
5	16QAM	1	0	21.56	21.68	21.54	22.5
5	16QAM	1	12	21.40	21.50	21.39	
5	16QAM	1	24	21.49	21.30	21.62	
5	16QAM	12	0	21.33	21.38	21.29	22.5
5	16QAM	12	7	21.41	21.31	21.24	
5	16QAM	12	13	21.26	21.16	21.32	
5	16QAM	25	0	21.30	21.19	21.34	
5	64QAM	1	0	21.42	21.46	21.39	22.5
5	64QAM	1	12	21.35	21.37	21.38	



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5	64QAM	1	24	21.35	21.18	21.52	
5	64QAM	12	0	21.37	21.40	21.35	22.5
5	64QAM	12	7	21.34	21.32	21.27	
5	64QAM	12	13	21.29	21.14	21.30	
5	64QAM	25	0	21.33	21.22	21.34	
5	256QAM	1	0	19.70	19.53	19.81	20.5
5	256QAM	1	12	19.42	19.42	19.43	
5	256QAM	1	24	19.68	19.62	19.51	
5	256QAM	12	0	19.40	19.49	19.52	20.5
5	256QAM	12	7	19.38	19.45	19.28	
5	256QAM	12	13	19.35	19.41	19.40	
5	256QAM	25	0	19.33	19.42	19.51	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	21.21	21.35	21.22	22.5
3	QPSK	1	8	21.14	21.04	21.01	
3	QPSK	1	14	21.13	20.86	21.36	
3	QPSK	8	0	21.37	21.34	21.30	22.5
3	QPSK	8	4	21.29	21.25	21.31	
3	QPSK	8	7	21.27	21.16	21.39	
3	QPSK	15	0	21.35	21.32	21.25	
3	16QAM	1	0	21.59	21.72	21.58	22.5
3	16QAM	1	8	21.41	21.55	21.38	
3	16QAM	1	14	21.48	21.27	21.72	
3	16QAM	8	0	21.30	21.37	21.25	22.5
3	16QAM	8	4	21.40	21.31	21.25	
3	16QAM	8	7	21.34	21.17	21.33	
3	16QAM	15	0	21.26	21.20	21.26	
3	64QAM	1	0	21.42	21.48	21.38	22.5
3	64QAM	1	8	21.32	21.34	21.36	
3	64QAM	1	14	21.37	21.13	21.53	
3	64QAM	8	0	21.38	21.34	21.36	22.5
3	64QAM	8	4	21.41	21.27	21.29	
3	64QAM	8	7	21.33	21.13	21.31	
3	64QAM	15	0	21.37	21.31	21.29	
3	256QAM	1	0	19.65	19.48	19.78	20.5
3	256QAM	1	8	19.40	19.48	19.41	
3	256QAM	1	14	19.62	19.64	19.50	
3	256QAM	8	0	19.43	19.44	19.47	20.5
3	256QAM	8	4	19.36	19.38	19.29	
3	256QAM	8	7	19.40	19.38	19.39	
3	256QAM	15	0	19.32	19.44	19.45	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	21.15	21.28	21.23	22.5
1.4	QPSK	1	3	21.14	21.09	21.01	
1.4	QPSK	1	5	21.09	20.89	21.31	
1.4	QPSK	3	0	21.34	21.39	21.33	
1.4	QPSK	3	1	21.28	21.30	21.28	
1.4	QPSK	3	3	21.25	21.18	21.30	
1.4	QPSK	6	0	21.29	21.27	21.28	22.5
1.4	16QAM	1	0	21.60	21.67	21.60	22.5
1.4	16QAM	1	3	21.46	21.55	21.45	
1.4	16QAM	1	5	21.50	21.32	21.67	
1.4	16QAM	3	0	21.39	21.33	21.34	
1.4	16QAM	3	1	21.40	21.25	21.28	



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1.4	16QAM	3	3	21.30	21.18	21.31	
1.4	16QAM	6	0	21.26	21.27	21.24	22.5
1.4	64QAM	1	0	21.50	21.54	21.41	22.5
1.4	64QAM	1	3	21.31	21.32	21.33	
1.4	64QAM	1	5	21.34	21.20	21.49	
1.4	64QAM	3	0	21.43	21.35	21.26	
1.4	64QAM	3	1	21.41	21.30	21.35	
1.4	64QAM	3	3	21.32	21.15	21.34	
1.4	64QAM	6	0	21.37	21.29	21.32	22.5
1.4	256QAM	1	0	19.66	19.47	19.84	20.5
1.4	256QAM	1	3	19.39	19.41	19.39	
1.4	256QAM	1	5	19.68	19.68	19.52	
1.4	256QAM	3	0	19.45	19.49	19.43	
1.4	256QAM	3	1	19.44	19.43	19.29	
1.4	256QAM	3	3	19.39	19.38	19.43	
1.4	256QAM	6	0	19.24	19.34	19.46	20.5



FDD LTE Band 25_TX1 (Index 1/2/3)

Ant 0							
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	23.40	23.60	23.41	25.2
20	QPSK	1	49	23.31	23.29	23.28	
20	QPSK	1	99	23.24	23.44	23.40	
20	QPSK	50	0	22.24	22.26	22.25	23.7
20	QPSK	50	24	22.22	22.25	22.20	
20	QPSK	50	50	22.25	22.23	22.22	
20	QPSK	100	0	22.23	22.27	22.24	24.2
20	16QAM	1	0	22.71	22.76	22.52	
20	16QAM	1	49	22.65	22.52	22.47	
20	16QAM	1	99	22.53	22.40	22.75	23.2
20	16QAM	50	0	21.38	21.43	21.28	
20	16QAM	50	24	21.44	21.40	21.35	
20	16QAM	50	50	21.38	21.26	21.46	23.2
20	16QAM	100	0	21.36	21.34	21.35	
20	64QAM	1	0	21.59	21.76	21.54	
20	64QAM	1	49	21.66	21.53	21.49	23.2
20	64QAM	1	99	21.52	21.37	21.74	
20	64QAM	50	0	20.50	20.54	20.36	
20	64QAM	50	24	20.50	20.46	20.40	22.2
20	64QAM	50	50	20.47	20.32	20.50	
20	64QAM	100	0	20.44	20.39	20.40	
20	256QAM	1	0	18.81	18.88	18.85	20.2
20	256QAM	1	49	18.67	18.73	18.63	
20	256QAM	1	99	18.66	18.68	18.68	
20	256QAM	50	0	18.74	18.77	18.68	20.2
20	256QAM	50	24	18.66	18.70	18.60	
20	256QAM	50	50	18.57	18.61	18.58	
20	256QAM	100	0	18.60	18.70	18.66	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.24	23.41	23.18	25.2
15	QPSK	1	37	23.21	23.22	23.16	
15	QPSK	1	74	23.22	23.07	23.44	
15	QPSK	36	0	21.85	21.89	21.76	23.7
15	QPSK	36	20	21.86	21.84	21.83	
15	QPSK	36	39	21.86	21.73	21.95	
15	QPSK	75	0	21.82	21.83	21.84	24.2
15	16QAM	1	0	22.71	22.69	22.44	
15	16QAM	1	37	22.57	22.48	22.46	
15	16QAM	1	74	22.53	22.37	22.66	23.2
15	16QAM	36	0	21.42	21.41	21.27	
15	16QAM	36	20	21.42	21.36	21.38	
15	16QAM	36	39	21.40	21.29	21.47	23.2
15	16QAM	75	0	21.37	21.34	21.36	
15	64QAM	1	0	21.60	21.71	21.51	
15	64QAM	1	37	21.59	21.51	21.60	23.2
15	64QAM	1	74	21.64	21.43	21.79	
15	64QAM	36	0	20.51	20.49	20.34	
15	64QAM	36	20	20.50	20.43	20.44	22.2
15	64QAM	36	39	20.48	20.34	20.52	



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15	64QAM	75	0	20.41	20.41	20.40	
15	256QAM	1	0	18.76	18.82	18.84	20.2
15	256QAM	1	37	18.61	18.73	18.63	
15	256QAM	1	74	18.62	18.59	18.60	
15	256QAM	36	0	18.66	18.75	18.75	20.2
15	256QAM	36	20	18.58	18.62	18.51	
15	256QAM	36	39	18.48	18.51	18.48	
15	256QAM	75	0	18.61	18.60	18.60	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.34	23.41	23.29	25.2
10	QPSK	1	25	23.18	23.13	23.18	
10	QPSK	1	49	23.32	23.11	23.49	
10	QPSK	25	0	21.79	21.84	21.85	23.7
10	QPSK	25	12	21.81	21.83	21.95	
10	QPSK	25	25	21.82	21.76	22.04	
10	QPSK	50	0	21.81	21.81	21.95	
10	16QAM	1	0	22.54	22.60	22.48	24.2
10	16QAM	1	25	22.57	22.50	22.57	
10	16QAM	1	49	22.56	22.45	22.73	
10	16QAM	25	0	21.35	21.40	21.36	23.2
10	16QAM	25	12	21.39	21.35	21.48	
10	16QAM	25	25	21.42	21.34	21.56	
10	16QAM	50	0	21.41	21.35	21.48	
10	64QAM	1	0	21.48	21.48	21.40	23.2
10	64QAM	1	25	21.41	21.43	21.57	
10	64QAM	1	49	21.48	21.30	21.68	
10	64QAM	25	0	20.39	20.44	20.43	22.2
10	64QAM	25	12	20.42	20.41	20.48	
10	64QAM	25	25	20.46	20.36	20.61	
10	64QAM	50	0	20.46	20.41	20.54	
10	256QAM	1	0	18.73	18.85	18.83	20.2
10	256QAM	1	25	18.59	18.69	18.62	
10	256QAM	1	49	18.62	18.61	18.60	
10	256QAM	25	0	18.68	18.76	18.68	20.2
10	256QAM	25	12	18.68	18.60	18.59	
10	256QAM	25	25	18.53	18.54	18.59	
10	256QAM	50	0	18.58	18.61	18.62	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.39	23.36	23.36	25.2
5	QPSK	1	12	23.31	23.22	23.35	
5	QPSK	1	24	23.36	23.25	23.48	
5	QPSK	12	0	21.82	21.82	21.86	23.7
5	QPSK	12	7	21.85	21.80	21.94	
5	QPSK	12	13	21.84	21.76	21.99	
5	QPSK	25	0	21.80	21.80	21.96	
5	16QAM	1	0	22.65	22.63	22.62	24.2
5	16QAM	1	12	22.60	22.49	22.57	
5	16QAM	1	24	22.62	22.52	22.71	
5	16QAM	12	0	21.41	21.38	21.41	23.2
5	16QAM	12	7	21.44	21.40	21.48	
5	16QAM	12	13	21.45	21.37	21.51	
5	16QAM	25	0	21.41	21.36	21.46	
5	64QAM	1	0	21.56	21.63	21.60	23.2
5	64QAM	1	12	21.43	21.55	21.54	



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5	64QAM	1	24	21.57	21.46	21.67	
5	64QAM	12	0	20.47	20.45	20.46	22.2
5	64QAM	12	7	20.53	20.43	20.49	
5	64QAM	12	13	20.53	20.42	20.57	
5	64QAM	25	0	20.44	20.46	20.52	
5	256QAM	1	0	18.74	18.84	18.76	20.2
5	256QAM	1	12	18.63	18.67	18.65	
5	256QAM	1	24	18.58	18.67	18.53	
5	256QAM	12	0	18.69	18.73	18.71	20.2
5	256QAM	12	7	18.65	18.60	18.54	
5	256QAM	12	13	18.51	18.59	18.55	
5	256QAM	25	0	18.56	18.63	18.60	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.37	23.34	23.46	25.2
3	QPSK	1	8	23.23	23.17	23.35	
3	QPSK	1	14	23.28	23.19	23.44	
3	QPSK	8	0	21.80	21.77	21.91	23.7
3	QPSK	8	4	21.87	21.82	21.97	
3	QPSK	8	7	21.87	21.82	22.01	
3	QPSK	15	0	21.85	21.85	22.00	
3	16QAM	1	0	22.60	22.60	22.71	24.2
3	16QAM	1	8	22.56	22.45	22.61	
3	16QAM	1	14	22.61	22.55	22.72	
3	16QAM	8	0	21.40	21.36	21.46	23.2
3	16QAM	8	4	21.49	21.43	21.53	
3	16QAM	8	7	21.49	21.40	21.56	
3	16QAM	15	0	21.41	21.37	21.46	
3	64QAM	1	0	21.49	21.59	21.57	23.2
3	64QAM	1	8	21.52	21.52	21.58	
3	64QAM	1	14	21.58	21.49	21.65	
3	64QAM	8	0	20.47	20.39	20.43	
3	64QAM	8	4	20.48	20.40	20.46	22.2
3	64QAM	8	7	20.51	20.46	20.52	
3	64QAM	15	0	20.51	20.45	20.57	
3	256QAM	1	0	18.74	18.81	18.80	
3	256QAM	1	8	18.63	18.72	18.62	20.2
3	256QAM	1	14	18.56	18.64	18.58	
3	256QAM	8	0	18.63	18.68	18.71	
3	256QAM	8	4	18.56	18.68	18.58	20.2
3	256QAM	8	7	18.49	18.51	18.49	
3	256QAM	15	0	18.60	18.63	18.62	
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.36	23.26	23.44	25.2
1.4	QPSK	1	3	23.31	23.19	23.37	
1.4	QPSK	1	5	23.32	23.23	23.43	
1.4	QPSK	3	0	23.22	23.17	23.32	
1.4	QPSK	3	1	23.31	23.25	23.41	
1.4	QPSK	3	3	23.24	23.18	23.37	
1.4	QPSK	6	0	21.80	21.74	21.90	23.7
1.4	16QAM	1	0	22.57	22.46	22.55	24.2
1.4	16QAM	1	3	22.43	22.37	22.43	
1.4	16QAM	1	5	22.60	22.46	22.57	
1.4	16QAM	3	0	22.36	22.26	22.43	
1.4	16QAM	3	1	22.43	22.32	22.51	



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1.4	16QAM	3	3	22.45	22.31	22.49	
1.4	16QAM	6	0	21.41	21.35	21.46	23.2
1.4	64QAM	1	0	21.54	21.50	21.56	23.2
1.4	64QAM	1	3	21.36	21.38	21.36	
1.4	64QAM	1	5	21.52	21.47	21.57	
1.4	64QAM	3	0	21.42	21.40	21.48	
1.4	64QAM	3	1	21.44	21.49	21.56	
1.4	64QAM	3	3	21.51	21.42	21.57	
1.4	64QAM	6	0	20.41	20.33	20.43	22.2
1.4	256QAM	1	0	18.72	18.81	18.81	20.2
1.4	256QAM	1	3	18.63	18.63	18.62	
1.4	256QAM	1	5	18.63	18.61	18.55	
1.4	256QAM	3	0	18.68	18.71	18.75	
1.4	256QAM	3	1	18.61	18.62	18.60	
1.4	256QAM	3	3	18.52	18.60	18.51	
1.4	256QAM	6	0	18.62	18.70	18.52	20.2



FDD LTE Band 25_TX1 (Index 4/5/6)

Ant 0							
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	22.30	22.36	22.35	23.6
20	QPSK	1	49	22.28	22.10	22.03	
20	QPSK	1	99	22.24	21.90	22.34	
20	QPSK	50	0	22.31	22.35	22.24	23.6
20	QPSK	50	24	22.30	22.22	22.15	
20	QPSK	50	50	22.27	22.06	22.23	
20	QPSK	100	0	22.29	22.30	22.20	23.6
20	16QAM	1	0	22.68	22.69	22.55	
20	16QAM	1	49	22.49	22.35	22.27	
20	16QAM	1	99	22.43	22.18	22.54	23.1
20	16QAM	50	0	21.82	21.80	21.62	
20	16QAM	50	24	21.82	21.73	21.66	
20	16QAM	50	50	21.76	21.58	21.75	23.1
20	16QAM	100	0	21.78	21.72	21.66	
20	64QAM	1	0	21.90	22.08	21.92	
20	64QAM	1	49	21.94	21.78	21.81	22.1
20	64QAM	1	99	21.87	21.67	22.08	
20	64QAM	50	0	20.87	20.87	20.69	
20	64QAM	50	24	20.91	20.80	20.72	20.1
20	64QAM	50	50	20.86	20.67	20.82	
20	64QAM	100	0	20.83	20.76	20.70	
20	256QAM	1	0	18.79	18.87	18.82	20.1
20	256QAM	1	49	18.62	18.70	18.63	
20	256QAM	1	99	18.61	18.61	18.64	
20	256QAM	50	0	18.74	18.71	18.60	20.1
20	256QAM	50	24	18.61	18.64	18.60	
20	256QAM	50	50	18.53	18.52	18.57	
20	256QAM	100	0	18.60	18.66	18.59	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.29	22.36	22.32	23.6
15	QPSK	1	37	22.23	22.10	22.02	
15	QPSK	1	74	22.23	21.90	22.33	
15	QPSK	36	0	22.24	22.32	22.18	23.6
15	QPSK	36	20	22.29	22.22	22.05	
15	QPSK	36	39	22.24	21.97	22.15	
15	QPSK	75	0	22.29	22.28	22.16	23.6
15	16QAM	1	0	22.63	22.67	22.49	
15	16QAM	1	37	22.48	22.34	22.25	
15	16QAM	1	74	22.35	22.08	22.54	23.1
15	16QAM	36	0	21.75	21.72	21.60	
15	16QAM	36	20	21.72	21.70	21.65	
15	16QAM	36	39	21.66	21.51	21.65	23.1
15	16QAM	75	0	21.78	21.65	21.61	
15	64QAM	1	0	21.85	22.04	21.82	
15	64QAM	1	37	21.86	21.76	21.78	22.1
15	64QAM	1	74	21.81	21.62	22.02	
15	64QAM	36	0	20.81	20.84	20.68	
15	64QAM	36	20	20.89	20.80	20.64	22.1
15	64QAM	36	39	20.77	20.65	20.77	



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15	64QAM	75	0	20.76	20.74	20.62	
15	256QAM	1	0	18.77	18.84	18.81	20.1
15	256QAM	1	37	18.62	18.70	18.56	
15	256QAM	1	74	18.59	18.51	18.56	
15	256QAM	36	0	18.72	18.63	18.50	20.1
15	256QAM	36	20	18.55	18.60	18.60	
15	256QAM	36	39	18.48	18.47	18.51	
15	256QAM	75	0	18.50	18.58	18.59	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	22.28	22.31	22.31	23.6
10	QPSK	1	25	22.21	22.09	22.02	
10	QPSK	1	49	22.17	21.81	22.25	
10	QPSK	25	0	22.21	22.25	22.17	23.6
10	QPSK	25	12	22.20	22.14	22.08	
10	QPSK	25	25	22.20	21.99	22.22	
10	QPSK	50	0	22.28	22.28	22.16	
10	16QAM	1	0	22.61	22.63	22.52	23.6
10	16QAM	1	25	22.45	22.34	22.17	
10	16QAM	1	49	22.38	22.18	22.49	
10	16QAM	25	0	21.76	21.76	21.53	23.1
10	16QAM	25	12	21.72	21.73	21.56	
10	16QAM	25	25	21.74	21.53	21.67	
10	16QAM	50	0	21.71	21.62	21.64	
10	64QAM	1	0	21.88	21.99	21.85	23.1
10	64QAM	1	25	21.86	21.73	21.78	
10	64QAM	1	49	21.85	21.60	22.00	
10	64QAM	25	0	20.85	20.85	20.66	22.1
10	64QAM	25	12	20.88	20.78	20.66	
10	64QAM	25	25	20.77	20.67	20.82	
10	64QAM	50	0	20.79	20.73	20.70	
10	256QAM	1	0	18.74	18.81	18.81	20.1
10	256QAM	1	25	18.52	18.62	18.60	
10	256QAM	1	49	18.52	18.57	18.56	
10	256QAM	25	0	18.65	18.65	18.55	20.1
10	256QAM	25	12	18.54	18.56	18.59	
10	256QAM	25	25	18.48	18.48	18.54	
10	256QAM	50	0	18.59	18.59	18.52	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	22.25	22.36	22.27	23.6
5	QPSK	1	12	22.26	22.01	22.02	
5	QPSK	1	24	22.16	21.84	22.31	
5	QPSK	12	0	22.25	22.26	22.18	23.6
5	QPSK	12	7	22.23	22.16	22.10	
5	QPSK	12	13	22.26	21.96	22.16	
5	QPSK	25	0	22.29	22.22	22.19	
5	16QAM	1	0	22.63	22.65	22.48	23.6
5	16QAM	1	12	22.43	22.26	22.26	
5	16QAM	1	24	22.37	22.12	22.46	
5	16QAM	12	0	21.73	21.70	21.61	23.1
5	16QAM	12	7	21.81	21.65	21.62	
5	16QAM	12	13	21.68	21.56	21.66	
5	16QAM	25	0	21.75	21.62	21.63	
5	64QAM	1	0	21.81	22.00	21.90	23.1
5	64QAM	1	12	21.88	21.72	21.71	



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5	64QAM	1	24	21.85	21.67	22.06	
5	64QAM	12	0	20.81	20.82	20.60	22.1
5	64QAM	12	7	20.85	20.72	20.71	
5	64QAM	12	13	20.83	20.64	20.77	
5	64QAM	25	0	20.76	20.73	20.69	
5	256QAM	1	0	18.70	18.81	18.72	20.1
5	256QAM	1	12	18.56	18.63	18.53	
5	256QAM	1	24	18.61	18.51	18.58	
5	256QAM	12	0	18.70	18.61	18.52	20.1
5	256QAM	12	7	18.60	18.62	18.58	
5	256QAM	12	13	18.44	18.49	18.56	
5	256QAM	25	0	18.53	18.66	18.59	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	22.23	22.36	22.35	23.6
3	QPSK	1	8	22.20	22.03	21.95	
3	QPSK	1	14	22.22	21.84	22.24	
3	QPSK	8	0	22.28	22.26	22.22	23.6
3	QPSK	8	4	22.22	22.15	22.07	
3	QPSK	8	7	22.20	22.05	22.15	
3	QPSK	15	0	22.26	22.21	22.13	
3	16QAM	1	0	22.58	22.60	22.46	23.6
3	16QAM	1	8	22.49	22.27	22.17	
3	16QAM	1	14	22.40	22.08	22.45	
3	16QAM	8	0	21.74	21.76	21.57	23.1
3	16QAM	8	4	21.81	21.73	21.59	
3	16QAM	8	7	21.69	21.55	21.66	
3	16QAM	15	0	21.72	21.68	21.66	
3	64QAM	1	0	21.88	22.02	21.84	23.1
3	64QAM	1	8	21.85	21.73	21.76	
3	64QAM	1	14	21.86	21.66	21.98	
3	64QAM	8	0	20.82	20.83	20.65	
3	64QAM	8	4	20.89	20.80	20.71	22.1
3	64QAM	8	7	20.86	20.59	20.81	
3	64QAM	15	0	20.73	20.68	20.61	
3	256QAM	1	0	18.76	18.78	18.82	
3	256QAM	1	8	18.53	18.65	18.54	20.1
3	256QAM	1	14	18.53	18.56	18.59	
3	256QAM	8	0	18.64	18.68	18.60	
3	256QAM	8	4	18.52	18.55	18.54	20.1
3	256QAM	8	7	18.46	18.48	18.54	
3	256QAM	15	0	18.55	18.57	18.52	
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	22.24	22.18	22.32	23.6
1.4	QPSK	1	3	22.20	22.06	22.20	
1.4	QPSK	1	5	22.22	22.13	22.32	
1.4	QPSK	3	0	22.14	22.07	22.21	
1.4	QPSK	3	1	22.21	22.17	22.28	
1.4	QPSK	3	3	22.20	22.10	22.26	
1.4	QPSK	6	0	22.24	22.15	22.29	23.6
1.4	16QAM	1	0	22.52	22.40	22.45	23.6
1.4	16QAM	1	3	22.38	22.29	22.30	
1.4	16QAM	1	5	22.55	22.41	22.49	
1.4	16QAM	3	0	22.28	22.21	22.27	
1.4	16QAM	3	1	22.36	22.34	22.34	



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1.4	16QAM	3	3	22.36	22.27	22.35	
1.4	16QAM	6	0	21.81	21.70	21.76	23.1
1.4	64QAM	1	0	21.92	21.87	21.87	23.1
1.4	64QAM	1	3	21.77	21.78	21.81	
1.4	64QAM	1	5	21.95	21.86	21.93	
1.4	64QAM	3	0	21.83	21.77	21.83	
1.4	64QAM	3	1	21.92	21.86	21.94	
1.4	64QAM	3	3	21.92	21.83	21.85	
1.4	64QAM	6	0	20.82	20.73	20.72	22.1
1.4	256QAM	1	0	18.64	18.76	18.73	20.1
1.4	256QAM	1	3	18.56	18.54	18.58	
1.4	256QAM	1	5	18.59	18.54	18.53	
1.4	256QAM	3	0	18.59	18.71	18.70	
1.4	256QAM	3	1	18.51	18.55	18.59	
1.4	256QAM	3	3	18.49	18.53	18.51	
1.4	256QAM	6	0	18.59	18.67	18.47	20.1



FDD LTE Band 66_TX0 (Index 1/2/3)

Ant 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	24.04	24.35	24.33	25.7
20	QPSK	1	49	23.96	24.06	24.03	
20	QPSK	1	99	24.03	23.88	23.86	
20	QPSK	50	0	23.21	23.31	23.29	24.7
20	QPSK	50	24	23.18	23.24	23.20	
20	QPSK	50	50	23.20	23.13	23.07	
20	QPSK	100	0	23.20	23.22	23.19	24.7
20	16QAM	1	0	23.36	23.58	23.65	
20	16QAM	1	49	23.27	23.26	23.20	
20	16QAM	1	99	23.30	23.16	23.13	23.7
20	16QAM	50	0	22.18	22.31	22.30	
20	16QAM	50	24	22.22	22.26	22.22	
20	16QAM	50	50	22.22	22.15	22.10	23.7
20	16QAM	100	0	22.21	22.20	22.18	
20	64QAM	1	0	22.35	22.56	22.69	
20	64QAM	1	49	22.36	22.23	22.28	23.7
20	64QAM	1	99	22.30	22.19	22.12	
20	64QAM	50	0	21.25	21.36	21.37	
20	64QAM	50	24	21.29	21.30	21.26	22.7
20	64QAM	50	50	21.27	21.20	21.12	
20	64QAM	100	0	21.24	21.24	21.23	
20	256QAM	1	0	19.45	19.48	19.71	20.7
20	256QAM	1	49	19.36	19.42	19.36	
20	256QAM	1	99	19.31	19.33	19.23	
20	256QAM	50	0	19.17	19.26	19.17	20.7
20	256QAM	50	24	19.14	19.21	19.12	
20	256QAM	50	50	19.10	19.20	19.13	
20	256QAM	100	0	19.21	19.21	19.11	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)
15	QPSK	1	0	24.03	24.33	24.23	25.7
15	QPSK	1	37	23.96	24.00	24.03	
15	QPSK	1	74	24.01	23.84	23.77	
15	QPSK	36	0	23.11	23.25	23.20	24.7
15	QPSK	36	20	23.15	23.18	23.13	
15	QPSK	36	39	23.19	23.08	23.07	
15	QPSK	75	0	23.16	23.22	23.11	24.7
15	16QAM	1	0	23.34	23.52	23.62	
15	16QAM	1	37	23.27	23.24	23.20	
15	16QAM	1	74	23.26	23.14	23.08	23.7
15	16QAM	36	0	22.11	22.26	22.23	
15	16QAM	36	20	22.21	22.16	22.22	
15	16QAM	36	39	22.14	22.15	22.08	23.7
15	16QAM	75	0	22.12	22.11	22.09	
15	64QAM	1	0	22.31	22.48	22.61	
15	64QAM	1	37	22.31	22.18	22.22	23.7
15	64QAM	1	74	22.27	22.09	22.04	
15	64QAM	36	0	21.25	21.33	21.31	
15	64QAM	36	20	21.23	21.21	21.16	22.7
15	64QAM	36	39	21.17	21.11	21.08	



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15	64QAM	75	0	21.14	21.14	21.13	
15	256QAM	1	0	19.35	19.48	19.63	20.7
15	256QAM	1	37	19.33	19.33	19.27	
15	256QAM	1	74	19.24	19.29	19.32	
15	256QAM	36	0	19.22	19.18	19.13	20.7
15	256QAM	36	20	19.16	19.12	19.10	
15	256QAM	36	39	19.15	19.20	19.07	
15	256QAM	75	0	19.18	19.18	19.14	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.02	24.33	24.27	25.7
10	QPSK	1	25	23.93	24.03	23.93	
10	QPSK	1	49	23.98	23.79	23.85	
10	QPSK	25	0	23.06	23.21	23.19	24.7
10	QPSK	25	12	23.10	23.24	23.16	
10	QPSK	25	25	23.16	23.13	23.07	
10	QPSK	50	0	23.18	23.16	23.15	
10	16QAM	1	0	23.26	23.48	23.56	24.7
10	16QAM	1	25	23.19	23.20	23.17	
10	16QAM	1	49	23.30	23.07	23.06	
10	16QAM	25	0	22.11	22.31	22.29	23.7
10	16QAM	25	12	22.15	22.21	22.22	
10	16QAM	25	25	22.22	22.08	22.04	
10	16QAM	50	0	22.19	22.14	22.17	
10	64QAM	1	0	22.31	22.50	22.67	23.7
10	64QAM	1	25	22.30	22.21	22.18	
10	64QAM	1	49	22.28	22.12	22.05	
10	64QAM	25	0	21.22	21.27	21.27	22.7
10	64QAM	25	12	21.29	21.22	21.18	
10	64QAM	25	25	21.26	21.19	21.04	
10	64QAM	50	0	21.19	21.22	21.18	
10	256QAM	1	0	19.40	19.43	19.68	20.7
10	256QAM	1	25	19.41	19.32	19.34	
10	256QAM	1	49	19.25	19.25	19.26	
10	256QAM	25	0	19.12	19.20	19.09	20.7
10	256QAM	25	12	19.16	19.14	19.09	
10	256QAM	25	25	19.16	19.11	19.11	
10	256QAM	50	0	19.17	19.15	19.18	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.00	24.31	24.25	25.7
5	QPSK	1	12	23.86	23.97	23.93	
5	QPSK	1	24	23.93	23.81	23.79	
5	QPSK	12	0	23.13	23.24	23.26	24.7
5	QPSK	12	7	23.12	23.17	23.19	
5	QPSK	12	13	23.16	23.11	23.03	
5	QPSK	25	0	23.11	23.16	23.17	
5	16QAM	1	0	23.27	23.48	23.55	24.7
5	16QAM	1	12	23.22	23.21	23.13	
5	16QAM	1	24	23.28	23.13	23.12	
5	16QAM	12	0	22.09	22.22	22.22	23.7
5	16QAM	12	7	22.22	22.16	22.17	
5	16QAM	12	13	22.22	22.15	22.05	
5	16QAM	25	0	22.21	22.17	22.09	
5	64QAM	1	0	22.35	22.50	22.62	23.7
5	64QAM	1	12	22.28	22.18	22.26	



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5	64QAM	1	24	22.29	22.14	22.04	
5	64QAM	12	0	21.15	21.34	21.29	22.7
5	64QAM	12	7	21.19	21.26	21.23	
5	64QAM	12	13	21.24	21.11	21.06	
5	64QAM	25	0	21.20	21.24	21.17	
5	256QAM	1	0	19.45	19.41	19.70	20.7
5	256QAM	1	12	19.31	19.34	19.34	
5	256QAM	1	24	19.25	19.29	19.24	
5	256QAM	12	0	19.20	19.19	19.11	20.7
5	256QAM	12	7	19.09	19.14	19.14	
5	256QAM	12	13	19.12	19.16	19.02	
5	256QAM	25	0	19.12	19.17	19.09	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.97	24.32	24.24	25.7
3	QPSK	1	8	23.91	24.02	23.94	
3	QPSK	1	14	24.03	23.85	23.82	
3	QPSK	8	0	23.11	23.28	23.19	24.7
3	QPSK	8	4	23.11	23.24	23.20	
3	QPSK	8	7	23.13	23.03	23.00	
3	QPSK	15	0	23.10	23.19	23.10	
3	16QAM	1	0	23.27	23.56	23.60	24.7
3	16QAM	1	8	23.17	23.25	23.10	
3	16QAM	1	14	23.24	23.09	23.11	
3	16QAM	8	0	22.13	22.28	22.26	23.7
3	16QAM	8	4	22.19	22.20	22.20	
3	16QAM	8	7	22.18	22.13	22.01	
3	16QAM	15	0	22.15	22.11	22.12	
3	64QAM	1	0	22.30	22.56	22.60	23.7
3	64QAM	1	8	22.33	22.17	22.24	
3	64QAM	1	14	22.21	22.12	22.12	
3	64QAM	8	0	21.20	21.29	21.32	
3	64QAM	8	4	21.21	21.23	21.19	22.7
3	64QAM	8	7	21.25	21.20	21.05	
3	64QAM	15	0	21.23	21.19	21.19	
3	256QAM	1	0	19.39	19.44	19.63	
3	256QAM	1	8	19.32	19.37	19.28	20.7
3	256QAM	1	14	19.18	19.26	19.14	
3	256QAM	8	0	19.21	19.25	19.14	
3	256QAM	8	4	19.09	19.12	19.05	20.7
3	256QAM	8	7	19.07	19.10	19.08	
3	256QAM	15	0	19.07	19.17	19.10	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.99	24.05	23.95	25.7
1.4	QPSK	1	3	23.95	23.93	23.79	
1.4	QPSK	1	5	23.98	24.02	23.90	
1.4	QPSK	3	0	23.89	23.96	23.80	
1.4	QPSK	3	1	23.94	23.99	23.88	
1.4	QPSK	3	3	23.93	23.98	23.89	
1.4	QPSK	6	0	22.97	23.01	22.86	24.7
1.4	16QAM	1	0	23.26	23.29	23.18	24.7
1.4	16QAM	1	3	23.16	23.10	23.02	
1.4	16QAM	1	5	23.30	23.30	23.14	
1.4	16QAM	3	0	23.02	23.10	22.97	
1.4	16QAM	3	1	23.08	23.18	23.03	



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1.4	16QAM	3	3	23.12	23.11	22.98	
1.4	16QAM	6	0	22.04	22.07	21.93	23.7
1.4	64QAM	1	0	22.19	22.17	22.08	23.7
1.4	64QAM	1	3	22.16	22.15	22.05	
1.4	64QAM	1	5	22.23	22.17	22.09	
1.4	64QAM	3	0	22.04	22.11	21.98	
1.4	64QAM	3	1	22.18	22.20	22.08	
1.4	64QAM	3	3	22.19	22.19	22.03	
1.4	64QAM	6	0	21.06	21.02	20.90	22.7
1.4	256QAM	1	0	19.42	19.42	19.65	20.7
1.4	256QAM	1	3	19.31	19.38	19.26	
1.4	256QAM	1	5	19.16	19.23	19.28	
1.4	256QAM	3	0	19.09	19.19	19.15	
1.4	256QAM	3	1	19.08	19.14	19.10	
1.4	256QAM	3	3	19.01	19.16	19.08	
1.4	256QAM	6	0	19.10	19.17	19.11	20.7



FDD LTE Band 66_TX0 (Index 4/5/6)

Ant 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	22.92	23.05	23.04	23.8
20	QPSK	1	49	22.82	22.81	22.72	
20	QPSK	1	99	22.80	22.61	22.52	
20	QPSK	50	0	22.79	22.97	22.96	23.8
20	QPSK	50	24	22.80	22.87	22.84	
20	QPSK	50	50	22.79	22.76	22.71	
20	QPSK	100	0	22.80	22.87	22.85	23.8
20	16QAM	1	0	23.10	23.16	23.33	
20	16QAM	1	49	23.03	22.99	22.96	
20	16QAM	1	99	22.99	22.94	22.80	23.3
20	16QAM	50	0	22.33	22.45	22.46	
20	16QAM	50	24	22.35	22.38	22.37	
20	16QAM	50	50	22.32	22.26	22.22	23.3
20	16QAM	100	0	22.30	22.34	22.33	
20	64QAM	1	0	22.43	22.61	22.75	
20	64QAM	1	49	22.41	22.39	22.40	23.3
20	64QAM	1	99	22.41	22.30	22.29	
20	64QAM	50	0	21.37	21.48	21.52	
20	64QAM	50	24	21.39	21.42	21.41	22.3
20	64QAM	50	50	21.37	21.30	21.26	
20	64QAM	100	0	21.34	21.38	21.37	
20	256QAM	1	0	19.40	19.46	19.66	20.3
20	256QAM	1	49	19.30	19.41	19.28	
20	256QAM	1	99	19.24	19.24	19.20	
20	256QAM	50	0	19.11	19.22	19.09	20.3
20	256QAM	50	24	19.08	19.17	19.05	
20	256QAM	50	50	19.04	19.20	19.07	
20	256QAM	100	0	19.18	19.16	19.07	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)
15	QPSK	1	0	22.89	23.02	23.02	23.8
15	QPSK	1	37	22.82	22.79	22.72	
15	QPSK	1	74	22.72	22.52	22.46	
15	QPSK	36	0	22.71	22.91	22.94	23.8
15	QPSK	36	20	22.79	22.80	22.77	
15	QPSK	36	39	22.73	22.73	22.67	
15	QPSK	75	0	22.78	22.86	22.75	23.8
15	16QAM	1	0	23.06	23.13	23.29	
15	16QAM	1	37	22.93	22.99	22.90	
15	16QAM	1	74	22.90	22.93	22.71	23.3
15	16QAM	36	0	22.27	22.44	22.45	
15	16QAM	36	20	22.35	22.32	22.34	
15	16QAM	36	39	22.29	22.20	22.21	23.3
15	16QAM	75	0	22.29	22.31	22.26	
15	64QAM	1	0	22.41	22.57	22.73	
15	64QAM	1	37	22.37	22.29	22.30	23.3
15	64QAM	1	74	22.41	22.29	22.28	
15	64QAM	36	0	21.35	21.43	21.42	
15	64QAM	36	20	21.39	21.33	21.40	22.3
15	64QAM	36	39	21.27	21.22	21.21	



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15	64QAM	75	0	21.26	21.29	21.29	
15	256QAM	1	0	19.35	19.45	19.60	20.3
15	256QAM	1	37	19.27	19.34	19.26	
15	256QAM	1	74	19.16	19.14	19.12	
15	256QAM	36	0	19.02	19.12	19.06	20.3
15	256QAM	36	20	19.05	19.12	18.99	
15	256QAM	36	39	19.03	19.10	19.07	
15	256QAM	75	0	19.17	19.10	18.98	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.86	23.02	23.03	23.8
10	QPSK	1	25	22.75	22.75	22.69	
10	QPSK	1	49	22.72	22.52	22.52	
10	QPSK	25	0	22.71	22.90	22.88	23.8
10	QPSK	25	12	22.72	22.79	22.74	
10	QPSK	25	25	22.79	22.76	22.63	
10	QPSK	50	0	22.70	22.80	22.77	
10	16QAM	1	0	23.08	23.14	23.25	23.8
10	16QAM	1	25	22.97	22.90	22.95	
10	16QAM	1	49	22.92	22.87	22.71	
10	16QAM	25	0	22.24	22.38	22.39	23.3
10	16QAM	25	12	22.25	22.32	22.33	
10	16QAM	25	25	22.23	22.25	22.13	
10	16QAM	50	0	22.26	22.33	22.27	
10	64QAM	1	0	22.33	22.55	22.66	23.3
10	64QAM	1	25	22.31	22.34	22.37	
10	64QAM	1	49	22.39	22.22	22.29	
10	64QAM	25	0	21.36	21.43	21.47	22.3
10	64QAM	25	12	21.31	21.33	21.38	
10	64QAM	25	25	21.28	21.24	21.24	
10	64QAM	50	0	21.32	21.32	21.29	
10	256QAM	1	0	19.38	19.41	19.56	20.3
10	256QAM	1	25	19.23	19.37	19.20	
10	256QAM	1	49	19.18	19.22	19.18	
10	256QAM	25	0	19.02	19.15	19.00	20.3
10	256QAM	25	12	19.02	19.14	18.95	
10	256QAM	25	25	19.04	19.17	19.04	
10	256QAM	50	0	19.17	19.11	19.00	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.84	23.02	22.95	23.8
5	QPSK	1	12	22.81	22.71	22.63	
5	QPSK	1	24	22.71	22.52	22.47	
5	QPSK	12	0	22.74	22.95	22.91	23.8
5	QPSK	12	7	22.78	22.77	22.81	
5	QPSK	12	13	22.75	22.74	22.70	
5	QPSK	25	0	22.70	22.80	22.81	
5	16QAM	1	0	23.07	23.14	23.30	23.8
5	16QAM	1	12	22.94	22.98	22.94	
5	16QAM	1	24	22.95	22.92	22.75	
5	16QAM	12	0	22.33	22.43	22.46	23.3
5	16QAM	12	7	22.27	22.34	22.35	
5	16QAM	12	13	22.26	22.20	22.22	
5	16QAM	25	0	22.30	22.25	22.32	
5	64QAM	1	0	22.35	22.51	22.71	23.3
5	64QAM	1	12	22.34	22.31	22.34	



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5	64QAM	1	24	22.41	22.21	22.20	
5	64QAM	12	0	21.32	21.47	21.47	22.3
5	64QAM	12	7	21.39	21.34	21.31	
5	64QAM	12	13	21.27	21.25	21.20	
5	64QAM	25	0	21.32	21.28	21.37	
5	256QAM	1	0	19.40	19.38	19.62	20.3
5	256QAM	1	12	19.30	19.38	19.23	
5	256QAM	1	24	19.16	19.19	19.11	
5	256QAM	12	0	19.07	19.21	19.06	20.3
5	256QAM	12	7	19.01	19.07	18.99	
5	256QAM	12	13	19.02	19.15	19.02	
5	256QAM	25	0	19.15	19.15	19.03	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.87	22.96	23.02	23.8
3	QPSK	1	8	22.76	22.71	22.68	
3	QPSK	1	14	22.76	22.57	22.42	
3	QPSK	8	0	22.73	22.91	22.91	23.8
3	QPSK	8	4	22.74	22.78	22.82	
3	QPSK	8	7	22.72	22.66	22.65	
3	QPSK	15	0	22.78	22.82	22.84	
3	16QAM	1	0	23.04	23.07	23.24	23.8
3	16QAM	1	8	22.98	22.96	22.86	
3	16QAM	1	14	22.97	22.92	22.78	
3	16QAM	8	0	22.24	22.35	22.43	23.3
3	16QAM	8	4	22.25	22.36	22.29	
3	16QAM	8	7	22.25	22.22	22.17	
3	16QAM	15	0	22.24	22.28	22.33	
3	64QAM	1	0	22.43	22.57	22.75	23.3
3	64QAM	1	8	22.34	22.31	22.33	
3	64QAM	1	14	22.38	22.23	22.21	
3	64QAM	8	0	21.34	21.42	21.43	
3	64QAM	8	4	21.38	21.36	21.40	22.3
3	64QAM	8	7	21.32	21.30	21.16	
3	64QAM	15	0	21.24	21.29	21.33	
3	256QAM	1	0	19.39	19.46	19.66	
3	256QAM	1	8	19.24	19.36	19.22	20.3
3	256QAM	1	14	19.24	19.24	19.15	
3	256QAM	8	0	19.03	19.13	19.08	
3	256QAM	8	4	19.06	19.11	19.00	20.3
3	256QAM	8	7	18.99	19.13	19.02	
3	256QAM	15	0	19.13	19.12	18.98	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.84	22.92	22.94	23.8
1.4	QPSK	1	3	22.67	22.74	22.59	
1.4	QPSK	1	5	22.76	22.50	22.43	
1.4	QPSK	3	0	22.71	22.89	22.82	
1.4	QPSK	3	1	22.67	22.77	22.79	
1.4	QPSK	3	3	22.71	22.68	22.59	
1.4	QPSK	6	0	22.67	22.80	22.74	23.8
1.4	16QAM	1	0	23.01	23.03	23.25	23.8
1.4	16QAM	1	3	22.98	22.88	22.84	
1.4	16QAM	1	5	22.94	22.92	22.64	
1.4	16QAM	3	0	22.97	23.05	23.22	
1.4	16QAM	3	1	22.94	22.88	22.84	



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1.4	16QAM	3	3	22.84	22.88	22.68	
1.4	16QAM	6	0	22.18	22.18	22.25	23.3
1.4	64QAM	1	0	22.31	22.47	22.64	23.3
1.4	64QAM	1	3	22.33	22.27	22.33	
1.4	64QAM	1	5	22.36	22.20	22.13	
1.4	64QAM	3	0	22.28	22.46	22.70	
1.4	64QAM	3	1	22.33	22.33	22.23	
1.4	64QAM	3	3	22.33	22.26	22.13	
1.4	64QAM	6	0	21.32	21.37	21.33	22.3
1.4	256QAM	1	0	19.20	19.42	19.61	20.3
1.4	256QAM	1	3	19.19	19.35	19.16	
1.4	256QAM	1	5	19.13	19.13	19.18	
1.4	256QAM	3	0	19.09	19.11	18.94	
1.4	256QAM	3	1	18.88	19.06	18.97	
1.4	256QAM	3	3	18.92	19.10	18.95	
1.4	256QAM	6	0	19.04	19.08	18.99	20.3



FDD LTE Band 66_TX1 (Index 1/2/3)

Ant 0							
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	23.52	23.67	23.62	25.2
20	QPSK	1	49	23.44	23.41	23.28	
20	QPSK	1	99	23.43	23.23	23.48	
20	QPSK	50	0	22.54	22.57	22.48	24.2
20	QPSK	50	24	22.53	22.52	22.36	
20	QPSK	50	50	22.52	22.40	22.22	
20	QPSK	100	0	22.52	22.53	22.35	24.2
20	16QAM	1	0	22.83	22.97	22.82	
20	16QAM	1	49	22.78	22.74	22.54	
20	16QAM	1	99	22.78	22.49	22.39	23.2
20	16QAM	50	0	21.52	21.57	21.48	
20	16QAM	50	24	21.55	21.50	21.39	
20	16QAM	50	50	21.52	21.39	21.26	23.2
20	16QAM	100	0	21.51	21.46	21.36	
20	64QAM	1	0	21.61	21.84	21.73	
20	64QAM	1	49	21.61	21.64	21.56	23.2
20	64QAM	1	99	21.65	21.48	21.44	
20	64QAM	50	0	20.58	20.63	20.55	
20	64QAM	50	24	20.61	20.56	20.43	22.2
20	64QAM	50	50	20.59	20.44	20.31	
20	64QAM	100	0	20.53	20.49	20.38	
20	256QAM	1	0	18.70	18.84	18.96	20.2
20	256QAM	1	49	18.86	18.91	18.83	
20	256QAM	1	99	18.76	18.80	18.74	
20	256QAM	50	0	18.66	18.70	18.69	20.2
20	256QAM	50	24	18.58	18.62	18.61	
20	256QAM	50	50	18.49	18.58	18.53	
20	256QAM	100	0	18.52	18.59	18.49	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)
15	QPSK	1	0	23.49	23.64	23.57	25.2
15	QPSK	1	37	23.36	23.40	23.21	
15	QPSK	1	74	23.37	23.22	23.41	
15	QPSK	36	0	22.48	22.50	22.46	24.2
15	QPSK	36	20	22.49	22.49	22.30	
15	QPSK	36	39	22.49	22.33	22.20	
15	QPSK	75	0	22.48	22.38	22.28	24.2
15	16QAM	1	0	22.77	22.91	22.76	
15	16QAM	1	37	22.75	22.66	22.44	
15	16QAM	1	74	22.69	22.44	22.35	23.2
15	16QAM	36	0	21.49	21.51	21.44	
15	16QAM	36	20	21.51	21.49	21.31	
15	16QAM	36	39	21.43	21.34	21.25	23.2
15	16QAM	75	0	21.41	21.46	21.27	
15	64QAM	1	0	21.52	21.84	21.64	
15	64QAM	1	37	21.59	21.60	21.56	23.2
15	64QAM	1	74	21.60	21.47	21.35	
15	64QAM	36	0	20.54	20.61	20.51	
15	64QAM	36	20	20.53	20.55	20.38	22.2
15	64QAM	36	39	20.57	20.42	20.27	



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15	64QAM	75	0	20.50	20.42	20.38	
15	256QAM	1	0	18.67	18.83	18.96	20.2
15	256QAM	1	37	18.77	18.86	18.78	
15	256QAM	1	74	18.66	18.71	18.68	
15	256QAM	36	0	18.56	18.68	18.62	20.2
15	256QAM	36	20	18.48	18.59	18.53	
15	256QAM	36	39	18.43	18.52	18.44	
15	256QAM	75	0	18.51	18.51	18.44	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.42	23.63	23.54	25.2
10	QPSK	1	25	23.40	23.33	23.28	
10	QPSK	1	49	23.42	23.21	23.41	
10	QPSK	25	0	22.47	22.49	22.48	24.2
10	QPSK	25	12	22.51	22.51	22.30	
10	QPSK	25	25	22.44	22.40	22.20	
10	QPSK	50	0	22.45	22.42	22.32	
10	16QAM	1	0	22.74	22.91	22.75	24.2
10	16QAM	1	25	22.72	22.69	22.49	
10	16QAM	1	49	22.74	22.41	22.29	
10	16QAM	25	0	21.47	21.56	21.43	23.2
10	16QAM	25	12	21.52	21.50	21.35	
10	16QAM	25	25	21.43	21.32	21.20	
10	16QAM	50	0	21.49	21.45	21.26	
10	64QAM	1	0	21.60	21.83	21.67	23.2
10	64QAM	1	25	21.56	21.56	21.51	
10	64QAM	1	49	21.65	21.38	21.41	
10	64QAM	25	0	20.49	20.60	20.49	22.2
10	64QAM	25	12	20.53	20.52	20.42	
10	64QAM	25	25	20.58	20.42	20.24	
10	64QAM	50	0	20.52	20.39	20.28	
10	256QAM	1	0	18.63	18.84	18.93	20.2
10	256QAM	1	25	18.77	18.84	18.83	
10	256QAM	1	49	18.73	18.70	18.74	
10	256QAM	25	0	18.55	18.69	18.66	20.2
10	256QAM	25	12	18.52	18.59	18.58	
10	256QAM	25	25	18.51	18.51	18.47	
10	256QAM	50	0	18.47	18.57	18.42	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.44	23.64	23.53	25.2
5	QPSK	1	12	23.43	23.35	23.21	
5	QPSK	1	24	23.36	23.20	23.47	
5	QPSK	12	0	22.45	22.55	22.42	24.2
5	QPSK	12	7	22.49	22.49	22.35	
5	QPSK	12	13	22.52	22.33	22.20	
5	QPSK	25	0	22.45	22.47	22.30	
5	16QAM	1	0	22.83	22.96	22.77	24.2
5	16QAM	1	12	22.74	22.67	22.50	
5	16QAM	1	24	22.68	22.43	22.30	
5	16QAM	12	0	21.46	21.56	21.40	23.2
5	16QAM	12	7	21.51	21.47	21.38	
5	16QAM	12	13	21.52	21.30	21.20	
5	16QAM	25	0	21.48	21.36	21.36	
5	64QAM	1	0	21.60	21.76	21.67	23.2
5	64QAM	1	12	21.61	21.61	21.54	



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5	64QAM	1	24	21.60	21.44	21.34	
5	64QAM	12	0	20.49	20.58	20.51	22.2
5	64QAM	12	7	20.59	20.48	20.37	
5	64QAM	12	13	20.54	20.43	20.29	
5	64QAM	25	0	20.45	20.41	20.34	
5	256QAM	1	0	18.70	18.84	18.93	20.2
5	256QAM	1	12	18.81	18.89	18.83	
5	256QAM	1	24	18.67	18.80	18.70	
5	256QAM	12	0	18.63	18.63	18.50	20.2
5	256QAM	12	7	18.52	18.52	18.54	
5	256QAM	12	13	18.57	18.52	18.45	
5	256QAM	25	0	18.41	18.53	18.50	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.44	23.65	23.55	25.2
3	QPSK	1	8	23.35	23.32	23.26	
3	QPSK	1	14	23.33	23.22	23.46	
3	QPSK	8	0	22.49	22.51	22.38	24.2
3	QPSK	8	4	22.47	22.49	22.27	
3	QPSK	8	7	22.44	22.38	22.21	
3	QPSK	15	0	22.43	22.42	22.26	
3	16QAM	1	0	22.76	22.95	22.72	24.2
3	16QAM	1	8	22.69	22.64	22.48	
3	16QAM	1	14	22.78	22.42	22.35	
3	16QAM	8	0	21.44	21.56	21.42	23.2
3	16QAM	8	4	21.55	21.45	21.30	
3	16QAM	8	7	21.48	21.35	21.22	
3	16QAM	15	0	21.45	21.42	21.29	
3	64QAM	1	0	21.52	21.84	21.73	23.2
3	64QAM	1	8	21.53	21.62	21.49	
3	64QAM	1	14	21.60	21.44	21.41	
3	64QAM	8	0	20.53	20.58	20.46	
3	64QAM	8	4	20.52	20.55	20.37	22.2
3	64QAM	8	7	20.56	20.44	20.29	
3	64QAM	15	0	20.49	20.42	20.32	
3	256QAM	1	0	18.65	18.83	18.94	
3	256QAM	1	8	18.80	18.81	18.79	20.2
3	256QAM	1	14	18.73	18.80	18.75	
3	256QAM	8	0	18.61	18.61	18.63	
3	256QAM	8	4	18.52	18.60	18.56	20.2
3	256QAM	8	7	18.43	18.48	18.51	
3	256QAM	15	0	18.55	18.52	18.51	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.49	23.47	23.25	25.2
1.4	QPSK	1	3	23.48	23.35	23.40	
1.4	QPSK	1	5	23.52	23.46	23.22	
1.4	QPSK	3	0	23.44	23.37	23.22	
1.4	QPSK	3	1	23.55	23.46	23.20	
1.4	QPSK	3	3	23.49	23.43	23.21	
1.4	QPSK	6	0	22.52	22.46	22.21	24.2
1.4	16QAM	1	0	22.78	22.74	22.52	24.2
1.4	16QAM	1	3	22.67	22.62	22.36	
1.4	16QAM	1	5	22.79	22.72	22.49	
1.4	16QAM	3	0	22.58	22.54	22.33	
1.4	16QAM	3	1	22.65	22.55	22.42	



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1.4	16QAM	3	3	22.52	22.50	22.28	
1.4	16QAM	6	0	21.58	21.49	21.31	23.2
1.4	64QAM	1	0	21.66	21.69	21.41	23.2
1.4	64QAM	1	3	21.63	21.59	21.35	
1.4	64QAM	1	5	21.69	21.60	21.45	
1.4	64QAM	3	0	21.54	21.56	21.40	
1.4	64QAM	3	1	21.65	21.65	21.42	
1.4	64QAM	3	3	21.68	21.59	21.43	
1.4	64QAM	6	0	20.55	20.49	20.31	22.2
1.4	256QAM	1	0	18.69	18.76	18.95	20.2
1.4	256QAM	1	3	18.75	18.83	18.89	
1.4	256QAM	1	5	18.65	18.77	18.69	
1.4	256QAM	3	0	18.55	18.66	18.59	
1.4	256QAM	3	1	18.60	18.58	18.52	
1.4	256QAM	3	3	18.50	18.58	18.54	
1.4	256QAM	6	0	18.47	18.52	18.46	20.2



FDD LTE Band 66_TX1 (Index 4/5/6)

Ant 0							
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	22.22	22.45	22.42	23.7
20	QPSK	1	49	22.17	22.18	22.07	
20	QPSK	1	99	22.21	22.00	21.87	
20	QPSK	50	0	22.41	22.49	22.40	23.7
20	QPSK	50	24	22.40	22.41	22.26	
20	QPSK	50	50	22.38	22.29	22.10	
20	QPSK	100	0	22.38	22.39	22.25	23.7
20	16QAM	1	0	22.59	22.82	22.75	
20	16QAM	1	49	22.59	22.55	22.43	
20	16QAM	1	99	22.58	22.30	22.23	23.2
20	16QAM	50	0	21.90	21.98	21.88	
20	16QAM	50	24	21.91	21.92	21.76	
20	16QAM	50	50	21.90	21.78	21.64	23.2
20	16QAM	100	0	21.88	21.85	21.74	
20	64QAM	1	0	22.08	22.34	22.24	
20	64QAM	1	49	22.06	22.01	21.91	23.2
20	64QAM	1	99	22.06	21.81	21.73	
20	64QAM	50	0	20.94	21.03	20.91	
20	64QAM	50	24	20.95	20.95	20.81	22.2
20	64QAM	50	50	20.93	20.81	20.65	
20	64QAM	100	0	20.90	20.89	20.78	
20	256QAM	1	0	18.66	18.84	18.95	20.2
20	256QAM	1	49	18.84	18.86	18.80	
20	256QAM	1	99	18.68	18.72	18.67	
20	256QAM	50	0	18.66	18.70	18.60	20.2
20	256QAM	50	24	18.58	18.61	18.61	
20	256QAM	50	50	18.39	18.56	18.46	
20	256QAM	100	0	18.51	18.57	18.48	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.16	22.42	22.40	23.7
15	QPSK	1	37	22.15	22.09	21.97	
15	QPSK	1	74	22.15	21.95	21.77	
15	QPSK	36	0	22.32	22.46	22.31	23.7
15	QPSK	36	20	22.35	22.37	22.16	
15	QPSK	36	39	22.36	22.21	22.05	
15	QPSK	75	0	22.30	22.32	22.21	23.7
15	16QAM	1	0	22.59	22.81	22.70	
15	16QAM	1	37	22.50	22.47	22.40	
15	16QAM	1	74	22.53	22.23	22.22	23.2
15	16QAM	36	0	21.83	21.92	21.81	
15	16QAM	36	20	21.83	21.90	21.73	
15	16QAM	36	39	21.82	21.76	21.59	23.2
15	16QAM	75	0	21.88	21.79	21.70	
15	64QAM	1	0	22.08	22.30	22.14	
15	64QAM	1	37	21.96	21.99	21.89	23.2
15	64QAM	1	74	22.05	21.81	21.68	
15	64QAM	36	0	20.88	20.93	20.89	
15	64QAM	36	20	20.95	20.92	20.77	22.2
15	64QAM	36	39	20.91	20.71	20.55	



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15	64QAM	75	0	20.85	20.79	20.68	
15	256QAM	1	0	18.65	18.77	18.86	20.2
15	256QAM	1	37	18.79	18.81	18.72	
15	256QAM	1	74	18.59	18.66	18.67	
15	256QAM	36	0	18.66	18.69	18.54	20.2
15	256QAM	36	20	18.55	18.57	18.61	
15	256QAM	36	39	18.31	18.46	18.38	
15	256QAM	75	0	18.49	18.49	18.39	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.15	22.35	22.36	23.7
10	QPSK	1	25	22.10	22.15	22.04	
10	QPSK	1	49	22.16	21.95	21.87	
10	QPSK	25	0	22.41	22.39	22.38	23.7
10	QPSK	25	12	22.36	22.33	22.23	
10	QPSK	25	25	22.31	22.25	22.00	
10	QPSK	50	0	22.28	22.33	22.22	
10	16QAM	1	0	22.54	22.77	22.73	23.7
10	16QAM	1	25	22.51	22.55	22.36	
10	16QAM	1	49	22.49	22.28	22.19	
10	16QAM	25	0	21.81	21.95	21.85	23.2
10	16QAM	25	12	21.88	21.91	21.75	
10	16QAM	25	25	21.82	21.69	21.63	
10	16QAM	50	0	21.81	21.84	21.68	
10	64QAM	1	0	22.02	22.27	22.18	23.2
10	64QAM	1	25	21.96	21.99	21.86	
10	64QAM	1	49	21.97	21.77	21.63	
10	64QAM	25	0	20.88	21.00	20.91	22.2
10	64QAM	25	12	20.91	20.94	20.73	
10	64QAM	25	25	20.91	20.79	20.58	
10	64QAM	50	0	20.87	20.89	20.70	
10	256QAM	1	0	18.62	18.80	18.86	20.2
10	256QAM	1	25	18.74	18.85	18.74	
10	256QAM	1	49	18.65	18.66	18.57	
10	256QAM	25	0	18.59	18.60	18.50	20.2
10	256QAM	25	12	18.55	18.60	18.57	
10	256QAM	25	25	18.29	18.47	18.40	
10	256QAM	50	0	18.51	18.52	18.42	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.17	22.39	22.36	23.7
5	QPSK	1	12	22.07	22.15	22.06	
5	QPSK	1	24	22.19	21.92	21.77	
5	QPSK	12	0	22.39	22.40	22.35	23.7
5	QPSK	12	7	22.35	22.34	22.24	
5	QPSK	12	13	22.33	22.27	22.07	
5	QPSK	25	0	22.35	22.32	22.15	
5	16QAM	1	0	22.50	22.74	22.72	23.7
5	16QAM	1	12	22.51	22.51	22.36	
5	16QAM	1	24	22.53	22.27	22.18	
5	16QAM	12	0	21.90	21.98	21.82	23.2
5	16QAM	12	7	21.85	21.84	21.67	
5	16QAM	12	13	21.87	21.76	21.56	
5	16QAM	25	0	21.87	21.80	21.68	
5	64QAM	1	0	22.01	22.26	22.18	23.2
5	64QAM	1	12	22.06	21.91	21.81	



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5	64QAM	1	24	22.00	21.77	21.65	
5	64QAM	12	0	20.84	20.98	20.83	22.2
5	64QAM	12	7	20.89	20.94	20.75	
5	64QAM	12	13	20.83	20.77	20.55	
5	64QAM	25	0	20.80	20.81	20.75	
5	256QAM	1	0	18.57	18.76	18.87	20.2
5	256QAM	1	12	18.75	18.84	18.78	
5	256QAM	1	24	18.62	18.69	18.67	
5	256QAM	12	0	18.60	18.67	18.55	20.2
5	256QAM	12	7	18.57	18.52	18.59	
5	256QAM	12	13	18.32	18.52	18.36	
5	256QAM	25	0	18.42	18.53	18.41	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.19	22.38	22.35	23.7
3	QPSK	1	8	22.17	22.17	22.07	
3	QPSK	1	14	22.14	21.94	21.87	
3	QPSK	8	0	22.37	22.43	22.40	23.7
3	QPSK	8	4	22.35	22.32	22.18	
3	QPSK	8	7	22.36	22.29	22.07	
3	QPSK	15	0	22.37	22.35	22.20	
3	16QAM	1	0	22.53	22.75	22.71	23.7
3	16QAM	1	8	22.50	22.49	22.36	
3	16QAM	1	14	22.53	22.25	22.19	
3	16QAM	8	0	21.90	21.94	21.83	23.2
3	16QAM	8	4	21.85	21.89	21.73	
3	16QAM	8	7	21.83	21.78	21.56	
3	16QAM	15	0	21.83	21.77	21.66	
3	64QAM	1	0	22.06	22.29	22.19	23.2
3	64QAM	1	8	22.03	21.97	21.89	
3	64QAM	1	14	21.97	21.78	21.66	
3	64QAM	8	0	20.94	20.98	20.86	
3	64QAM	8	4	20.90	20.88	20.78	22.2
3	64QAM	8	7	20.86	20.76	20.59	
3	64QAM	15	0	20.89	20.87	20.73	
3	256QAM	1	0	18.57	18.81	18.86	
3	256QAM	1	8	18.82	18.86	18.74	20.2
3	256QAM	1	14	18.68	18.64	18.61	
3	256QAM	8	0	18.65	18.61	18.52	
3	256QAM	8	4	18.49	18.61	18.55	20.2
3	256QAM	8	7	18.38	18.48	18.43	
3	256QAM	15	0	18.48	18.57	18.47	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.32	22.33	22.13	23.7
1.4	QPSK	1	3	22.28	22.23	22.03	
1.4	QPSK	1	5	22.33	22.32	22.09	
1.4	QPSK	3	0	22.28	22.26	22.04	
1.4	QPSK	3	1	22.39	22.34	22.12	
1.4	QPSK	3	3	22.34	22.33	22.10	
1.4	QPSK	6	0	22.33	22.35	22.13	23.7
1.4	16QAM	1	0	22.58	22.62	22.44	23.7
1.4	16QAM	1	3	22.46	22.45	22.23	
1.4	16QAM	1	5	22.58	22.58	22.37	
1.4	16QAM	3	0	22.39	22.41	22.22	
1.4	16QAM	3	1	22.43	22.46	22.24	



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1.4	16QAM	3	3	22.46	22.40	22.18	
1.4	16QAM	6	0	21.89	21.90	21.70	23.2
1.4	64QAM	1	0	22.00	22.04	21.86	23.2
1.4	64QAM	1	3	21.95	21.94	21.78	
1.4	64QAM	1	5	22.00	22.04	21.83	
1.4	64QAM	3	0	21.92	21.87	21.70	
1.4	64QAM	3	1	21.95	21.95	21.79	
1.4	64QAM	3	3	21.98	21.94	21.77	
1.4	64QAM	6	0	20.84	20.89	20.65	22.2
1.4	256QAM	1	0	18.62	18.71	18.88	20.2
1.4	256QAM	1	3	18.67	18.74	18.83	
1.4	256QAM	1	5	18.62	18.67	18.63	
1.4	256QAM	3	0	18.45	18.59	18.51	
1.4	256QAM	3	1	18.56	18.52	18.49	
1.4	256QAM	3	3	18.47	18.56	18.46	
1.4	256QAM	6	0	18.41	18.44	18.46	20.2



TDD LTE Band 38 PC3_TX0 (Index 1/2/3)

Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.48	24.47	24.49	25.7
20	QPSK	1	49	24.34	24.36	24.38	
20	QPSK	1	99	24.32	24.35	24.31	
20	QPSK	50	0	23.44	23.48	23.45	24.7
20	QPSK	50	24	23.44	23.47	23.43	
20	QPSK	50	50	23.42	23.43	23.41	
20	QPSK	100	0	23.43	23.46	23.45	24.7
20	16QAM	1	0	23.54	23.55	23.57	
20	16QAM	1	49	23.38	23.43	23.46	
20	16QAM	1	99	23.40	23.41	23.39	23.7
20	16QAM	50	0	22.46	22.47	22.50	
20	16QAM	50	24	22.45	22.44	22.49	
20	16QAM	50	50	22.41	22.41	22.43	23.7
20	16QAM	100	0	22.45	22.47	22.44	
20	64QAM	1	0	22.35	22.29	22.32	
20	64QAM	1	49	22.26	22.21	22.19	23.7
20	64QAM	1	99	22.23	22.20	22.18	
20	64QAM	50	0	21.44	21.45	21.48	
20	64QAM	50	24	21.43	21.43	21.45	22.7
20	64QAM	50	50	21.40	21.39	21.42	
20	64QAM	100	0	21.44	21.43	21.42	
20	256QAM	1	0	19.19	19.02	19.05	20.7
20	256QAM	1	49	18.73	18.78	18.76	
20	256QAM	1	99	18.75	18.76	18.76	
20	256QAM	50	0	19.25	19.25	19.18	20.7
20	256QAM	50	24	19.10	19.18	19.10	
20	256QAM	50	50	19.03	19.12	19.09	
20	256QAM	100	0	19.07	19.14	19.14	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	24.42	24.38	24.45	25.7
15	QPSK	1	37	24.26	24.33	24.29	
15	QPSK	1	74	24.26	24.32	24.28	
15	QPSK	36	0	23.34	23.41	23.40	24.7
15	QPSK	36	20	23.43	23.41	23.33	
15	QPSK	36	39	23.40	23.40	23.36	
15	QPSK	75	0	23.41	23.39	23.38	24.7
15	16QAM	1	0	23.51	23.51	23.49	
15	16QAM	1	37	23.34	23.38	23.40	
15	16QAM	1	74	23.34	23.31	23.37	23.7
15	16QAM	36	0	22.45	22.46	22.50	
15	16QAM	36	20	22.38	22.40	22.47	
15	16QAM	36	39	22.41	22.31	22.37	23.7
15	16QAM	75	0	22.40	22.44	22.43	
15	64QAM	1	0	22.25	22.24	22.28	
15	64QAM	1	37	22.24	22.19	22.19	23.7
15	64QAM	1	74	22.16	22.20	22.16	
15	64QAM	36	0	21.38	21.42	21.39	
15	64QAM	36	20	21.39	21.41	21.36	22.7
15	64QAM	36	39	21.30	21.32	21.39	



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15	64QAM	75	0	21.41	21.40	21.40	
15	256QAM	1	0	19.11	18.98	18.97	20.7
15	256QAM	1	37	18.70	18.73	18.73	
15	256QAM	1	74	18.70	18.72	18.72	
15	256QAM	36	0	19.19	19.25	19.12	20.7
15	256QAM	36	20	19.09	19.18	19.08	
15	256QAM	36	39	18.94	19.04	18.99	
15	256QAM	75	0	19.07	19.11	19.06	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.39	24.47	24.47	25.7
10	QPSK	1	25	24.24	24.33	24.34	
10	QPSK	1	49	24.22	24.30	24.28	
10	QPSK	25	0	23.38	23.39	23.42	24.7
10	QPSK	25	12	23.36	23.38	23.41	
10	QPSK	25	25	23.33	23.38	23.38	
10	QPSK	50	0	23.37	23.36	23.43	
10	16QAM	1	0	23.49	23.52	23.50	24.7
10	16QAM	1	25	23.30	23.34	23.39	
10	16QAM	1	49	23.33	23.35	23.35	
10	16QAM	25	0	22.41	22.43	22.48	23.7
10	16QAM	25	12	22.42	22.42	22.45	
10	16QAM	25	25	22.41	22.34	22.36	
10	16QAM	50	0	22.41	22.42	22.40	
10	64QAM	1	0	22.30	22.29	22.22	23.7
10	64QAM	1	25	22.21	22.13	22.13	
10	64QAM	1	49	22.23	22.16	22.11	
10	64QAM	25	0	21.34	21.41	21.47	22.7
10	64QAM	25	12	21.42	21.37	21.37	
10	64QAM	25	25	21.37	21.35	21.40	
10	64QAM	50	0	21.41	21.36	21.38	
10	256QAM	1	0	19.14	18.97	19.00	20.7
10	256QAM	1	25	18.73	18.70	18.73	
10	256QAM	1	49	18.71	18.75	18.72	
10	256QAM	25	0	19.15	19.22	19.18	20.7
10	256QAM	25	12	19.00	19.10	19.08	
10	256QAM	25	25	19.02	19.09	18.96	
10	256QAM	50	0	19.02	19.14	19.04	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.38	24.42	24.48	25.7
5	QPSK	1	12	24.34	24.36	24.37	
5	QPSK	1	24	24.23	24.33	24.24	
5	QPSK	12	0	23.38	23.44	23.37	24.7
5	QPSK	12	7	23.44	23.47	23.35	
5	QPSK	12	13	23.35	23.33	23.37	
5	QPSK	25	0	23.43	23.45	23.45	
5	16QAM	1	0	23.48	23.50	23.53	24.7
5	16QAM	1	12	23.36	23.39	23.44	
5	16QAM	1	24	23.30	23.37	23.32	
5	16QAM	12	0	22.44	22.38	22.44	23.7
5	16QAM	12	7	22.42	22.35	22.43	
5	16QAM	12	13	22.39	22.34	22.37	
5	16QAM	25	0	22.36	22.41	22.40	
5	64QAM	1	0	22.31	22.26	22.29	23.7
5	64QAM	1	12	22.26	22.12	22.15	



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5	64QAM	1	24	22.23	22.20	22.10	
5	64QAM	12	0	21.44	21.45	21.40	22.7
5	64QAM	12	7	21.42	21.34	21.45	
5	64QAM	12	13	21.35	21.36	21.38	
5	64QAM	25	0	21.35	21.42	21.33	
5	256QAM	1	0	19.09	19.00	19.00	20.7
5	256QAM	1	12	18.75	18.72	18.70	
5	256QAM	1	24	18.73	18.72	18.70	
5	256QAM	12	0	19.15	19.15	19.18	20.7
5	256QAM	12	7	19.07	19.16	19.06	
5	256QAM	12	13	18.96	19.05	19.03	
5	256QAM	25	0	18.96	19.11	19.11	



TDD LTE Band 38 PC3_TX0 (Index 4)

Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.37	23.35	23.34	24
20	QPSK	1	49	23.24	23.23	23.24	
20	QPSK	1	99	23.28	23.26	23.28	
20	QPSK	50	0	23.37	23.34	23.33	24
20	QPSK	50	24	23.33	23.34	23.33	
20	QPSK	50	50	23.33	23.33	23.31	
20	QPSK	100	0	23.35	23.33	23.31	24
20	16QAM	1	0	23.51	23.42	23.45	
20	16QAM	1	49	23.36	23.28	23.36	
20	16QAM	1	99	23.38	23.30	23.40	23
20	16QAM	50	0	22.66	22.64	22.67	
20	16QAM	50	24	22.67	22.65	22.67	
20	16QAM	50	50	22.63	22.62	22.65	23
20	16QAM	100	0	22.65	22.64	22.62	
20	64QAM	1	0	22.58	22.50	22.47	
20	64QAM	1	49	22.37	22.37	22.36	23
20	64QAM	1	99	22.37	22.39	22.37	
20	64QAM	50	0	21.65	21.64	21.64	
20	64QAM	50	24	21.64	21.64	21.65	22
20	64QAM	50	50	21.60	21.63	21.63	
20	64QAM	100	0	21.62	21.60	21.60	
20	256QAM	1	0	19.10	18.99	18.97	20.5
20	256QAM	1	49	18.66	18.69	18.68	
20	256QAM	1	99	18.65	18.72	18.72	
20	256QAM	50	0	19.24	19.17	19.09	20.5
20	256QAM	50	24	19.03	19.10	19.07	
20	256QAM	50	50	18.96	19.07	19.00	
20	256QAM	100	0	19.04	19.07	19.09	20.5
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.28	23.30	23.33	24
15	QPSK	1	37	23.19	23.22	23.22	
15	QPSK	1	74	23.20	23.24	23.23	
15	QPSK	36	0	23.28	23.26	23.27	24
15	QPSK	36	20	23.23	23.30	23.30	
15	QPSK	36	39	23.25	23.29	23.21	
15	QPSK	75	0	23.27	23.32	23.30	24
15	16QAM	1	0	23.43	23.36	23.41	
15	16QAM	1	37	23.36	23.28	23.26	
15	16QAM	1	74	23.32	23.30	23.35	23
15	16QAM	36	0	22.56	22.57	22.61	
15	16QAM	36	20	22.66	22.61	22.57	
15	16QAM	36	39	22.63	22.54	22.56	23
15	16QAM	75	0	22.65	22.55	22.52	
15	64QAM	1	0	22.51	22.41	22.38	
15	64QAM	1	37	22.31	22.35	22.34	23
15	64QAM	1	74	22.37	22.35	22.35	
15	64QAM	36	0	21.61	21.54	21.63	
15	64QAM	36	20	21.62	21.55	21.63	22
15	64QAM	36	39	21.50	21.57	21.60	



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15	64QAM	75	0	21.52	21.50	21.59	
15	256QAM	1	0	19.01	18.92	18.87	20.5
15	256QAM	1	37	18.57	18.68	18.59	
15	256QAM	1	74	18.65	18.68	18.68	
15	256QAM	36	0	19.23	19.15	19.07	20.5
15	256QAM	36	20	18.99	19.04	19.00	
15	256QAM	36	39	18.96	19.06	18.93	
15	256QAM	75	0	19.01	19.00	19.06	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.29	23.26	23.26	24
10	QPSK	1	25	23.14	23.18	23.15	
10	QPSK	1	49	23.28	23.18	23.26	
10	QPSK	25	0	23.30	23.33	23.26	24
10	QPSK	25	12	23.32	23.27	23.25	
10	QPSK	25	25	23.25	23.31	23.31	
10	QPSK	50	0	23.31	23.33	23.22	
10	16QAM	1	0	23.43	23.40	23.45	24
10	16QAM	1	25	23.36	23.20	23.34	
10	16QAM	1	49	23.28	23.23	23.32	
10	16QAM	25	0	22.65	22.62	22.60	23
10	16QAM	25	12	22.62	22.60	22.63	
10	16QAM	25	25	22.58	22.54	22.60	
10	16QAM	50	0	22.62	22.61	22.58	
10	64QAM	1	0	22.52	22.46	22.44	23
10	64QAM	1	25	22.35	22.27	22.35	
10	64QAM	1	49	22.35	22.34	22.29	
10	64QAM	25	0	21.64	21.57	21.59	22
10	64QAM	25	12	21.63	21.61	21.64	
10	64QAM	25	25	21.58	21.61	21.54	
10	64QAM	50	0	21.62	21.58	21.59	
10	256QAM	1	0	19.07	18.89	18.97	20.5
10	256QAM	1	25	18.62	18.59	18.65	
10	256QAM	1	49	18.64	18.63	18.71	
10	256QAM	25	0	19.17	19.14	19.06	20.5
10	256QAM	25	12	19.03	19.01	19.01	
10	256QAM	25	25	18.90	18.98	18.98	
10	256QAM	50	0	18.97	19.06	19.02	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.32	23.27	23.25	24
5	QPSK	1	12	23.22	23.22	23.23	
5	QPSK	1	24	23.21	23.22	23.25	
5	QPSK	12	0	23.32	23.31	23.29	24
5	QPSK	12	7	23.32	23.31	23.25	
5	QPSK	12	13	23.25	23.28	23.29	
5	QPSK	25	0	23.32	23.26	23.21	
5	16QAM	1	0	23.44	23.38	23.38	24
5	16QAM	1	12	23.30	23.25	23.29	
5	16QAM	1	24	23.35	23.20	23.36	
5	16QAM	12	0	22.56	22.62	22.66	23
5	16QAM	12	7	22.58	22.65	22.60	
5	16QAM	12	13	22.56	22.61	22.57	
5	16QAM	25	0	22.57	22.57	22.56	
5	64QAM	1	0	22.53	22.41	22.38	23
5	64QAM	1	12	22.32	22.27	22.35	



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5	64QAM	1	24	22.34	22.30	22.34	
5	64QAM	12	0	21.61	21.55	21.62	22
5	64QAM	12	7	21.60	21.64	21.57	
5	64QAM	12	13	21.50	21.55	21.60	
5	64QAM	25	0	21.57	21.59	21.55	
5	256QAM	1	0	19.00	18.93	18.87	20.5
5	256QAM	1	12	18.64	18.61	18.59	
5	256QAM	1	24	18.63	18.69	18.71	
5	256QAM	12	0	19.23	19.15	19.02	20.5
5	256QAM	12	7	19.02	19.08	19.05	
5	256QAM	12	13	18.86	19.04	18.95	
5	256QAM	25	0	19.01	19.02	19.07	



TDD LTE Band 38 PC3_TX0 (Index 5/6)

Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.37	23.35	23.34	24.3
20	QPSK	1	49	23.24	23.23	23.24	
20	QPSK	1	99	23.28	23.26	23.28	
20	QPSK	50	0	23.37	23.34	23.33	24.3
20	QPSK	50	24	23.33	23.34	23.33	
20	QPSK	50	50	23.33	23.33	23.31	
20	QPSK	100	0	23.35	23.33	23.31	24.3
20	16QAM	1	0	23.51	23.42	23.45	
20	16QAM	1	49	23.36	23.28	23.36	
20	16QAM	1	99	23.38	23.30	23.40	23.3
20	16QAM	50	0	22.66	22.64	22.67	
20	16QAM	50	24	22.67	22.65	22.67	
20	16QAM	50	50	22.63	22.62	22.65	23.3
20	16QAM	100	0	22.65	22.64	22.62	
20	64QAM	1	0	22.58	22.50	22.47	
20	64QAM	1	49	22.37	22.37	22.36	23.3
20	64QAM	1	99	22.37	22.39	22.37	
20	64QAM	50	0	21.65	21.64	21.64	
20	64QAM	50	24	21.64	21.64	21.65	22.3
20	64QAM	50	50	21.60	21.63	21.63	
20	64QAM	100	0	21.62	21.60	21.60	
20	256QAM	1	0	19.10	18.99	18.97	20.3
20	256QAM	1	49	18.66	18.69	18.68	
20	256QAM	1	99	18.65	18.72	18.72	
20	256QAM	50	0	19.24	19.17	19.09	20.3
20	256QAM	50	24	19.03	19.10	19.07	
20	256QAM	50	50	18.96	19.07	19.00	
20	256QAM	100	0	19.04	19.07	19.09	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	23.28	23.30	23.33	24.3
15	QPSK	1	37	23.19	23.22	23.22	
15	QPSK	1	74	23.20	23.24	23.23	
15	QPSK	36	0	23.28	23.26	23.27	24.3
15	QPSK	36	20	23.23	23.30	23.30	
15	QPSK	36	39	23.25	23.29	23.21	
15	QPSK	75	0	23.27	23.32	23.30	24.3
15	16QAM	1	0	23.43	23.36	23.41	
15	16QAM	1	37	23.36	23.28	23.26	
15	16QAM	1	74	23.32	23.30	23.35	23.3
15	16QAM	36	0	22.56	22.57	22.61	
15	16QAM	36	20	22.66	22.61	22.57	
15	16QAM	36	39	22.63	22.54	22.56	23.3
15	16QAM	75	0	22.65	22.55	22.52	
15	64QAM	1	0	22.51	22.41	22.38	
15	64QAM	1	37	22.31	22.35	22.34	23.3
15	64QAM	1	74	22.37	22.35	22.35	
15	64QAM	36	0	21.61	21.54	21.63	
15	64QAM	36	20	21.62	21.55	21.63	22.3
15	64QAM	36	39	21.50	21.57	21.60	



FCC SAR TEST REPORT

Report No. : FA241216-02D

15	64QAM	75	0	21.52	21.50	21.59	
15	256QAM	1	0	19.01	18.92	18.87	20.3
15	256QAM	1	37	18.57	18.68	18.59	
15	256QAM	1	74	18.65	18.68	18.68	
15	256QAM	36	0	19.23	19.15	19.07	20.3
15	256QAM	36	20	18.99	19.04	19.00	
15	256QAM	36	39	18.96	19.06	18.93	
15	256QAM	75	0	19.01	19.00	19.06	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.29	23.26	23.26	24.3
10	QPSK	1	25	23.14	23.18	23.15	
10	QPSK	1	49	23.28	23.18	23.26	
10	QPSK	25	0	23.30	23.33	23.26	24.3
10	QPSK	25	12	23.32	23.27	23.25	
10	QPSK	25	25	23.25	23.31	23.31	
10	QPSK	50	0	23.31	23.33	23.22	
10	16QAM	1	0	23.43	23.40	23.45	24.3
10	16QAM	1	25	23.36	23.20	23.34	
10	16QAM	1	49	23.28	23.23	23.32	
10	16QAM	25	0	22.65	22.62	22.60	23.3
10	16QAM	25	12	22.62	22.60	22.63	
10	16QAM	25	25	22.58	22.54	22.60	
10	16QAM	50	0	22.62	22.61	22.58	
10	64QAM	1	0	22.52	22.46	22.44	23.3
10	64QAM	1	25	22.35	22.27	22.35	
10	64QAM	1	49	22.35	22.34	22.29	
10	64QAM	25	0	21.64	21.57	21.59	22.3
10	64QAM	25	12	21.63	21.61	21.64	
10	64QAM	25	25	21.58	21.61	21.54	
10	64QAM	50	0	21.62	21.58	21.59	
10	256QAM	1	0	19.07	18.89	18.97	20.3
10	256QAM	1	25	18.62	18.59	18.65	
10	256QAM	1	49	18.64	18.63	18.71	
10	256QAM	25	0	19.17	19.14	19.06	20.3
10	256QAM	25	12	19.03	19.01	19.01	
10	256QAM	25	25	18.90	18.98	18.98	
10	256QAM	50	0	18.97	19.06	19.02	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.32	23.27	23.25	24.3
5	QPSK	1	12	23.22	23.22	23.23	
5	QPSK	1	24	23.21	23.22	23.25	
5	QPSK	12	0	23.32	23.31	23.29	24.3
5	QPSK	12	7	23.32	23.31	23.25	
5	QPSK	12	13	23.25	23.28	23.29	
5	QPSK	25	0	23.32	23.26	23.21	
5	16QAM	1	0	23.44	23.38	23.38	24.3
5	16QAM	1	12	23.30	23.25	23.29	
5	16QAM	1	24	23.35	23.20	23.36	
5	16QAM	12	0	22.56	22.62	22.66	23.3
5	16QAM	12	7	22.58	22.65	22.60	
5	16QAM	12	13	22.56	22.61	22.57	
5	16QAM	25	0	22.57	22.57	22.56	
5	64QAM	1	0	22.53	22.41	22.38	23.3
5	64QAM	1	12	22.32	22.27	22.35	



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5	64QAM	1	24	22.34	22.30	22.34	
5	64QAM	12	0	21.61	21.55	21.62	22.3
5	64QAM	12	7	21.60	21.64	21.57	
5	64QAM	12	13	21.50	21.55	21.60	
5	64QAM	25	0	21.57	21.59	21.55	
5	256QAM	1	0	19.00	18.93	18.87	20.3
5	256QAM	1	12	18.64	18.61	18.59	
5	256QAM	1	24	18.63	18.69	18.71	
5	256QAM	12	0	19.23	19.15	19.02	20.3
5	256QAM	12	7	19.02	19.08	19.05	
5	256QAM	12	13	18.86	19.04	18.95	
5	256QAM	25	0	19.01	19.02	19.07	



TDD LTE Band 38 PC2_TX0 (Index 1/2/3)

Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	26.01	26.02	26.04	27.5
20	QPSK	1	49	25.92	25.94	25.95	
20	QPSK	1	99	25.92	25.94	25.91	
20	QPSK	50	0	25.06	25.08	25.08	26.5
20	QPSK	50	24	25.06	25.07	25.07	
20	QPSK	50	50	25.02	25.06	25.04	
20	QPSK	100	0	25.04	25.06	25.06	26.5
20	16QAM	1	0	25.48	25.66	25.59	
20	16QAM	1	49	25.32	25.36	25.32	
20	16QAM	1	99	25.35	25.36	25.30	25.5
20	16QAM	50	0	24.09	24.12	24.09	
20	16QAM	50	24	24.07	24.09	24.06	
20	16QAM	50	50	24.04	24.05	24.05	25.5
20	16QAM	100	0	24.07	24.11	24.08	
20	64QAM	1	0	24.40	24.56	24.61	
20	64QAM	1	49	24.44	24.47	24.47	25.5
20	64QAM	1	99	24.43	24.39	24.41	
20	64QAM	50	0	23.12	23.14	23.13	
20	64QAM	50	24	23.15	23.14	23.14	24.5
20	64QAM	50	50	23.13	23.11	23.11	
20	64QAM	100	0	23.08	23.07	23.10	
20	256QAM	1	0	20.74	20.54	20.68	22.5
20	256QAM	1	49	20.53	20.52	20.52	
20	256QAM	1	99	20.52	20.53	20.55	
20	256QAM	50	0	20.96	21.01	20.92	22.5
20	256QAM	50	24	20.84	20.89	20.86	
20	256QAM	50	50	20.76	20.83	20.81	
20	256QAM	100	0	20.85	20.85	20.82	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	25.92	26.00	26.03	27.5
15	QPSK	1	37	25.89	25.85	25.91	
15	QPSK	1	74	25.86	25.90	25.82	
15	QPSK	36	0	25.02	25.00	24.98	26.5
15	QPSK	36	20	25.01	24.99	25.03	
15	QPSK	36	39	24.93	25.05	24.95	
15	QPSK	75	0	24.99	24.96	24.97	26.5
15	16QAM	1	0	25.48	25.57	25.56	
15	16QAM	1	37	25.32	25.35	25.32	
15	16QAM	1	74	25.35	25.30	25.21	26.5
15	16QAM	36	0	23.99	24.12	24.01	
15	16QAM	36	20	24.00	24.05	24.05	
15	16QAM	36	39	24.02	24.02	24.05	25.5
15	16QAM	75	0	24.07	24.08	23.98	
15	64QAM	1	0	24.35	24.46	24.58	
15	64QAM	1	37	24.38	24.45	24.37	25.5
15	64QAM	1	74	24.33	24.33	24.35	
15	64QAM	36	0	23.02	23.13	23.09	
15	64QAM	36	20	23.10	23.04	23.12	24.5
15	64QAM	36	39	23.08	23.02	23.11	



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15	64QAM	75	0	23.06	22.97	23.03	
15	256QAM	1	0	20.70	20.51	20.63	22.5
15	256QAM	1	37	20.52	20.53	20.51	
15	256QAM	1	74	20.51	20.53	20.52	
15	256QAM	36	0	20.88	20.99	20.87	22.5
15	256QAM	36	20	20.79	20.83	20.83	
15	256QAM	36	39	20.72	20.80	20.71	
15	256QAM	75	0	20.81	20.81	20.74	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.97	25.98	26.01	27.5
10	QPSK	1	25	25.88	25.87	25.94	
10	QPSK	1	49	25.88	25.89	25.91	
10	QPSK	25	0	25.00	25.01	25.07	26.5
10	QPSK	25	12	25.03	25.00	25.04	
10	QPSK	25	25	24.97	25.01	24.97	
10	QPSK	50	0	24.99	24.97	25.01	
10	16QAM	1	0	25.45	25.58	25.52	26.5
10	16QAM	1	25	25.27	25.27	25.23	
10	16QAM	1	49	25.27	25.29	25.21	
10	16QAM	25	0	24.09	24.04	24.09	25.5
10	16QAM	25	12	24.06	24.01	24.01	
10	16QAM	25	25	24.00	23.98	24.02	
10	16QAM	50	0	24.02	24.08	23.98	
10	64QAM	1	0	24.33	24.49	24.58	25.5
10	64QAM	1	25	24.34	24.40	24.43	
10	64QAM	1	49	24.42	24.29	24.35	
10	64QAM	25	0	23.05	23.12	23.09	24.5
10	64QAM	25	12	23.10	23.10	23.09	
10	64QAM	25	25	23.03	23.06	23.01	
10	64QAM	50	0	23.01	22.99	23.07	
10	256QAM	1	0	20.65	20.50	20.64	22.5
10	256QAM	1	25	20.50	20.51	20.51	
10	256QAM	1	49	20.53	20.51	20.51	
10	256QAM	25	0	20.88	21.01	20.91	22.5
10	256QAM	25	12	20.80	20.86	20.80	
10	256QAM	25	25	20.82	20.79	20.72	
10	256QAM	50	0	20.71	20.75	20.71	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.91	26.00	25.95	27.5
5	QPSK	1	12	25.85	25.89	25.91	
5	QPSK	1	24	25.87	25.89	25.81	
5	QPSK	12	0	25.05	25.00	25.00	26.5
5	QPSK	12	7	25.06	25.07	25.00	
5	QPSK	12	13	24.96	24.97	24.95	
5	QPSK	25	0	24.98	25.06	24.98	
5	16QAM	1	0	25.40	25.57	25.57	26.5
5	16QAM	1	12	25.23	25.36	25.22	
5	16QAM	1	24	25.33	25.32	25.21	
5	16QAM	12	0	24.09	24.09	24.07	25.5
5	16QAM	12	7	24.06	24.05	24.06	
5	16QAM	12	13	24.02	23.95	23.96	
5	16QAM	25	0	24.06	24.11	24.01	
5	64QAM	1	0	24.37	24.46	24.59	25.5
5	64QAM	1	12	24.44	24.46	24.37	



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5	64QAM	1	24	24.38	24.33	24.32	
5	64QAM	12	0	23.02	23.11	23.12	24.5
5	64QAM	12	7	23.06	23.05	23.10	
5	64QAM	12	13	23.03	23.08	23.02	
5	64QAM	25	0	23.07	23.02	23.01	
5	256QAM	1	0	20.71	20.54	20.63	22.5
5	256QAM	1	12	20.50	20.50	20.50	
5	256QAM	1	24	20.51	20.52	20.52	
5	256QAM	12	0	20.86	20.98	20.91	22.5
5	256QAM	12	7	20.82	20.85	20.80	
5	256QAM	12	13	20.76	20.74	20.81	
5	256QAM	25	0	20.68	20.77	20.77	



TDD LTE Band 38 PC2_TX0 (Index 4)

Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.00	25.00	25.06	25.6
20	QPSK	1	49	24.93	24.93	24.99	
20	QPSK	1	99	24.98	24.98	25.01	
20	QPSK	50	0	25.06	25.07	25.06	25.6
20	QPSK	50	24	25.07	25.05	25.03	
20	QPSK	50	50	25.05	25.06	25.03	
20	QPSK	100	0	25.06	25.04	25.05	25.6
20	16QAM	1	0	25.47	25.49	25.39	
20	16QAM	1	49	25.34	25.33	25.24	
20	16QAM	1	99	25.40	25.39	25.26	25.1
20	16QAM	50	0	24.42	24.39	24.35	
20	16QAM	50	24	24.39	24.41	24.31	
20	16QAM	50	50	24.39	24.39	24.32	25.1
20	16QAM	100	0	24.40	24.39	24.38	
20	64QAM	1	0	24.73	24.39	24.56	
20	64QAM	1	49	24.43	24.48	24.38	25.1
20	64QAM	1	99	24.43	24.48	24.37	
20	64QAM	50	0	23.36	23.35	23.36	
20	64QAM	50	24	23.39	23.35	23.34	24.1
20	64QAM	50	50	23.37	23.34	23.34	
20	64QAM	100	0	23.36	23.35	23.33	
20	256QAM	1	0	20.65	20.53	20.62	21.6
20	256QAM	1	49	20.48	20.44	20.44	
20	256QAM	1	99	20.43	20.50	20.50	
20	256QAM	50	0	20.96	20.93	20.86	21.6
20	256QAM	50	24	20.80	20.89	20.84	
20	256QAM	50	50	20.72	20.74	20.75	
20	256QAM	100	0	20.83	20.76	20.75	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	24.99	24.93	25.06	25.6
15	QPSK	1	37	24.93	24.88	24.91	
15	QPSK	1	74	24.98	24.89	24.97	
15	QPSK	36	0	25.04	25.03	24.96	25.6
15	QPSK	36	20	24.98	24.96	24.95	
15	QPSK	36	39	25.03	25.03	24.99	
15	QPSK	75	0	25.01	24.94	25.00	25.6
15	16QAM	1	0	25.37	25.40	25.30	
15	16QAM	1	37	25.25	25.33	25.18	
15	16QAM	1	74	25.30	25.38	25.19	25.1
15	16QAM	36	0	24.41	24.37	24.26	
15	16QAM	36	20	24.32	24.36	24.24	
15	16QAM	36	39	24.37	24.37	24.22	25.1
15	16QAM	75	0	24.40	24.35	24.32	
15	64QAM	1	0	24.71	24.34	24.56	
15	64QAM	1	37	24.43	24.42	24.33	25.1
15	64QAM	1	74	24.41	24.41	24.30	
15	64QAM	36	0	23.34	23.25	23.31	
15	64QAM	36	20	23.30	23.31	23.26	24.1
15	64QAM	36	39	23.31	23.29	23.31	



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15	64QAM	75	0	23.28	23.28	23.23	
15	256QAM	1	0	20.62	20.43	20.55	21.6
15	256QAM	1	37	20.47	20.44	20.40	
15	256QAM	1	74	20.43	20.44	20.45	
15	256QAM	36	0	20.92	20.83	20.79	21.6
15	256QAM	36	20	20.77	20.87	20.75	
15	256QAM	36	39	20.64	20.72	20.66	
15	256QAM	75	0	20.75	20.74	20.66	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.92	24.99	25.01	25.6
10	QPSK	1	25	24.87	24.91	24.99	
10	QPSK	1	49	24.95	24.91	25.00	
10	QPSK	25	0	25.05	24.97	24.97	25.6
10	QPSK	25	12	24.99	24.98	25.02	
10	QPSK	25	25	25.00	25.00	24.94	
10	QPSK	50	0	24.96	25.01	24.95	
10	16QAM	1	0	25.44	25.40	25.33	25.6
10	16QAM	1	25	25.31	25.30	25.14	
10	16QAM	1	49	25.40	25.36	25.21	
10	16QAM	25	0	24.37	24.35	24.26	25.1
10	16QAM	25	12	24.32	24.34	24.21	
10	16QAM	25	25	24.35	24.37	24.30	
10	16QAM	50	0	24.35	24.34	24.35	
10	64QAM	1	0	24.67	24.39	24.56	25.1
10	64QAM	1	25	24.34	24.47	24.36	
10	64QAM	1	49	24.42	24.48	24.31	
10	64QAM	25	0	23.36	23.32	23.35	24.1
10	64QAM	25	12	23.36	23.26	23.32	
10	64QAM	25	25	23.33	23.33	23.28	
10	64QAM	50	0	23.33	23.29	23.23	
10	256QAM	1	0	20.60	20.44	20.53	21.6
10	256QAM	1	25	20.42	20.36	20.37	
10	256QAM	1	49	20.41	20.40	20.44	
10	256QAM	25	0	20.86	20.91	20.86	21.6
10	256QAM	25	12	20.80	20.88	20.74	
10	256QAM	25	25	20.69	20.74	20.69	
10	256QAM	50	0	20.76	20.75	20.70	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.91	24.94	24.98	25.6
5	QPSK	1	12	24.90	24.84	24.93	
5	QPSK	1	24	24.93	24.90	24.99	
5	QPSK	12	0	25.02	25.00	24.98	25.6
5	QPSK	12	7	24.97	25.02	25.02	
5	QPSK	12	13	24.99	25.01	24.98	
5	QPSK	25	0	25.00	25.01	25.01	
5	16QAM	1	0	25.42	25.42	25.34	25.6
5	16QAM	1	12	25.24	25.33	25.22	
5	16QAM	1	24	25.37	25.37	25.20	
5	16QAM	12	0	24.36	24.38	24.30	25.1
5	16QAM	12	7	24.34	24.32	24.27	
5	16QAM	12	13	24.37	24.37	24.31	
5	16QAM	25	0	24.35	24.33	24.37	
5	64QAM	1	0	24.65	24.38	24.51	25.1
5	64QAM	1	12	24.41	24.43	24.38	



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5	64QAM	1	24	24.40	24.41	24.34	
5	64QAM	12	0	23.33	23.28	23.36	24.1
5	64QAM	12	7	23.39	23.28	23.34	
5	64QAM	12	13	23.28	23.27	23.24	
5	64QAM	25	0	23.36	23.27	23.27	
5	256QAM	1	0	20.56	20.52	20.54	21.6
5	256QAM	1	12	20.41	20.34	20.44	
5	256QAM	1	24	20.35	20.43	20.45	
5	256QAM	12	0	20.95	20.93	20.78	21.6
5	256QAM	12	7	20.74	20.87	20.74	
5	256QAM	12	13	20.62	20.66	20.67	
5	256QAM	25	0	20.80	20.66	20.69	



TDD LTE Band 38 PC2_TX0 (Index 5/6)

Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.00	25.00	25.06	25.9
20	QPSK	1	49	24.93	24.93	24.99	
20	QPSK	1	99	24.98	24.98	25.01	
20	QPSK	50	0	25.06	25.07	25.06	25.9
20	QPSK	50	24	25.07	25.05	25.03	
20	QPSK	50	50	25.05	25.06	25.03	
20	QPSK	100	0	25.06	25.04	25.05	25.9
20	16QAM	1	0	25.47	25.49	25.39	
20	16QAM	1	49	25.34	25.33	25.24	
20	16QAM	1	99	25.40	25.39	25.26	25.4
20	16QAM	50	0	24.42	24.39	24.35	
20	16QAM	50	24	24.39	24.41	24.31	
20	16QAM	50	50	24.39	24.39	24.32	25.4
20	16QAM	100	0	24.40	24.39	24.38	
20	64QAM	1	0	24.73	24.39	24.56	
20	64QAM	1	49	24.43	24.48	24.38	25.4
20	64QAM	1	99	24.43	24.48	24.37	
20	64QAM	50	0	23.36	23.35	23.36	
20	64QAM	50	24	23.39	23.35	23.34	24.4
20	64QAM	50	50	23.37	23.34	23.34	
20	64QAM	100	0	23.36	23.35	23.33	
20	256QAM	1	0	20.65	20.53	20.62	21.9
20	256QAM	1	49	20.48	20.44	20.44	
20	256QAM	1	99	20.43	20.50	20.50	
20	256QAM	50	0	20.96	20.93	20.86	21.9
20	256QAM	50	24	20.80	20.89	20.84	
20	256QAM	50	50	20.72	20.74	20.75	
20	256QAM	100	0	20.83	20.76	20.75	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	24.99	24.93	25.06	25.9
15	QPSK	1	37	24.93	24.88	24.91	
15	QPSK	1	74	24.98	24.89	24.97	
15	QPSK	36	0	25.04	25.03	24.96	25.9
15	QPSK	36	20	24.98	24.96	24.95	
15	QPSK	36	39	25.03	25.03	24.99	
15	QPSK	75	0	25.01	24.94	25.00	25.9
15	16QAM	1	0	25.37	25.40	25.30	
15	16QAM	1	37	25.25	25.33	25.18	
15	16QAM	1	74	25.30	25.38	25.19	25.4
15	16QAM	36	0	24.41	24.37	24.26	
15	16QAM	36	20	24.32	24.36	24.24	
15	16QAM	36	39	24.37	24.37	24.22	25.4
15	16QAM	75	0	24.40	24.35	24.32	
15	64QAM	1	0	24.71	24.34	24.56	
15	64QAM	1	37	24.43	24.42	24.33	25.4
15	64QAM	1	74	24.41	24.41	24.30	
15	64QAM	36	0	23.34	23.25	23.31	
15	64QAM	36	20	23.30	23.31	23.26	24.4
15	64QAM	36	39	23.31	23.29	23.31	



FCC SAR TEST REPORT

Report No. : FA241216-02D

15	64QAM	75	0	23.28	23.28	23.23	
15	256QAM	1	0	20.62	20.43	20.55	21.9
15	256QAM	1	37	20.47	20.44	20.40	
15	256QAM	1	74	20.43	20.44	20.45	
15	256QAM	36	0	20.92	20.83	20.79	21.9
15	256QAM	36	20	20.77	20.87	20.75	
15	256QAM	36	39	20.64	20.72	20.66	
15	256QAM	75	0	20.75	20.74	20.66	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.92	24.99	25.01	25.9
10	QPSK	1	25	24.87	24.91	24.99	
10	QPSK	1	49	24.95	24.91	25.00	
10	QPSK	25	0	25.05	24.97	24.97	25.9
10	QPSK	25	12	24.99	24.98	25.02	
10	QPSK	25	25	25.00	25.00	24.94	
10	QPSK	50	0	24.96	25.01	24.95	
10	16QAM	1	0	25.44	25.40	25.33	25.9
10	16QAM	1	25	25.31	25.30	25.14	
10	16QAM	1	49	25.40	25.36	25.21	
10	16QAM	25	0	24.37	24.35	24.26	25.4
10	16QAM	25	12	24.32	24.34	24.21	
10	16QAM	25	25	24.35	24.37	24.30	
10	16QAM	50	0	24.35	24.34	24.35	
10	64QAM	1	0	24.67	24.39	24.56	25.4
10	64QAM	1	25	24.34	24.47	24.36	
10	64QAM	1	49	24.42	24.48	24.31	
10	64QAM	25	0	23.36	23.32	23.35	24.4
10	64QAM	25	12	23.36	23.26	23.32	
10	64QAM	25	25	23.33	23.33	23.28	
10	64QAM	50	0	23.33	23.29	23.23	
10	256QAM	1	0	20.60	20.44	20.53	21.9
10	256QAM	1	25	20.42	20.36	20.37	
10	256QAM	1	49	20.41	20.40	20.44	
10	256QAM	25	0	20.86	20.91	20.86	21.9
10	256QAM	25	12	20.80	20.88	20.74	
10	256QAM	25	25	20.69	20.74	20.69	
10	256QAM	50	0	20.76	20.75	20.70	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.91	24.94	24.98	25.9
5	QPSK	1	12	24.90	24.84	24.93	
5	QPSK	1	24	24.93	24.90	24.99	
5	QPSK	12	0	25.02	25.00	24.98	25.9
5	QPSK	12	7	24.97	25.02	25.02	
5	QPSK	12	13	24.99	25.01	24.98	
5	QPSK	25	0	25.00	25.01	25.01	
5	16QAM	1	0	25.42	25.42	25.34	25.9
5	16QAM	1	12	25.24	25.33	25.22	
5	16QAM	1	24	25.37	25.37	25.20	
5	16QAM	12	0	24.36	24.38	24.30	25.4
5	16QAM	12	7	24.34	24.32	24.27	
5	16QAM	12	13	24.37	24.37	24.31	
5	16QAM	25	0	24.35	24.33	24.37	
5	64QAM	1	0	24.65	24.38	24.51	25.4
5	64QAM	1	12	24.41	24.43	24.38	



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Report No. : FA241216-02D

5	64QAM	1	24	24.40	24.41	24.34	
5	64QAM	12	0	23.33	23.28	23.36	24.4
5	64QAM	12	7	23.39	23.28	23.34	
5	64QAM	12	13	23.28	23.27	23.24	
5	64QAM	25	0	23.36	23.27	23.27	
5	256QAM	1	0	20.56	20.52	20.54	21.9
5	256QAM	1	12	20.41	20.34	20.44	
5	256QAM	1	24	20.35	20.43	20.45	
5	256QAM	12	0	20.95	20.93	20.78	21.9
5	256QAM	12	7	20.74	20.87	20.74	
5	256QAM	12	13	20.62	20.66	20.67	
5	256QAM	25	0	20.80	20.66	20.69	



TDD LTE Band 38 PC3_TX1 (Index 1/2/3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.79	23.73	23.72	25.2
20	QPSK	1	49	23.69	23.65	23.57	
20	QPSK	1	99	23.67	23.63	23.59	
20	QPSK	50	0	22.76	22.71	22.67	24.2
20	QPSK	50	24	22.74	22.70	22.66	
20	QPSK	50	50	22.71	22.67	22.62	
20	QPSK	100	0	22.74	22.70	22.64	
20	16QAM	1	0	22.91	22.90	22.87	24.2
20	16QAM	1	49	22.78	22.75	22.70	
20	16QAM	1	99	22.79	22.77	22.72	
20	16QAM	50	0	21.75	21.70	21.70	23.2
20	16QAM	50	24	21.73	21.68	21.70	
20	16QAM	50	50	21.70	21.66	21.67	
20	16QAM	100	0	21.73	21.71	21.67	
20	64QAM	1	0	21.59	21.49	21.40	23.2
20	64QAM	1	49	21.41	21.36	21.29	
20	64QAM	1	99	21.41	21.34	21.30	
20	64QAM	50	0	20.77	20.72	20.70	22.2
20	64QAM	50	24	20.74	20.71	20.67	
20	64QAM	50	50	20.71	20.67	20.64	
20	64QAM	100	0	20.72	20.68	20.64	
20	256QAM	1	0	18.80	18.75	18.63	20.2
20	256QAM	1	49	18.45	18.53	18.49	
20	256QAM	1	99	18.34	18.44	18.38	
20	256QAM	50	0	18.91	18.98	18.94	20.2
20	256QAM	50	24	18.81	18.90	18.80	
20	256QAM	50	50	18.74	18.84	18.81	
20	256QAM	100	0	18.80	18.86	18.85	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.73	23.66	23.63	25.2
15	QPSK	1	37	23.67	23.62	23.55	
15	QPSK	1	74	23.59	23.54	23.49	
15	QPSK	36	0	22.75	22.69	22.59	24.2
15	QPSK	36	20	22.68	22.60	22.56	
15	QPSK	36	39	22.66	22.60	22.55	
15	QPSK	75	0	22.70	22.61	22.61	
15	16QAM	1	0	22.86	22.86	22.85	24.2
15	16QAM	1	37	22.76	22.67	22.69	
15	16QAM	1	74	22.71	22.70	22.68	
15	16QAM	36	0	21.65	21.68	21.63	23.2
15	16QAM	36	20	21.65	21.58	21.70	
15	16QAM	36	39	21.62	21.66	21.57	
15	16QAM	75	0	21.64	21.63	21.64	
15	64QAM	1	0	21.58	21.44	21.31	23.2
15	64QAM	1	37	21.37	21.32	21.20	
15	64QAM	1	74	21.40	21.27	21.20	
15	64QAM	36	0	20.75	20.65	20.64	22.2
15	64QAM	36	20	20.71	20.62	20.59	
15	64QAM	36	39	20.68	20.60	20.63	



FCC SAR TEST REPORT

Report No. : FA241216-02D

15	64QAM	75	0	20.63	20.58	20.60	
15	256QAM	1	0	18.72	18.69	18.62	20.2
15	256QAM	1	37	18.38	18.49	18.36	
15	256QAM	1	74	18.28	18.37	18.29	
15	256QAM	36	0	18.84	18.94	18.79	20.2
15	256QAM	36	20	18.81	18.83	18.84	
15	256QAM	36	39	18.67	18.79	18.75	
15	256QAM	75	0	18.80	18.76	18.74	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.77	23.65	23.67	25.2
10	QPSK	1	25	23.63	23.62	23.56	
10	QPSK	1	49	23.67	23.55	23.56	
10	QPSK	25	0	22.68	22.61	22.67	24.2
10	QPSK	25	12	22.69	22.66	22.61	
10	QPSK	25	25	22.68	22.67	22.54	
10	QPSK	50	0	22.65	22.62	22.64	
10	16QAM	1	0	22.84	22.86	22.86	24.2
10	16QAM	1	25	22.78	22.74	22.68	
10	16QAM	1	49	22.72	22.67	22.68	
10	16QAM	25	0	21.68	21.66	21.62	23.2
10	16QAM	25	12	21.64	21.68	21.61	
10	16QAM	25	25	21.65	21.62	21.62	
10	16QAM	50	0	21.67	21.66	21.66	
10	64QAM	1	0	21.56	21.47	21.39	23.2
10	64QAM	1	25	21.36	21.31	21.27	
10	64QAM	1	49	21.36	21.29	21.23	
10	64QAM	25	0	20.74	20.62	20.61	22.2
10	64QAM	25	12	20.68	20.62	20.66	
10	64QAM	25	25	20.66	20.66	20.58	
10	64QAM	50	0	20.62	20.59	20.62	
10	256QAM	1	0	18.72	18.65	18.58	20.2
10	256QAM	1	25	18.39	18.49	18.45	
10	256QAM	1	49	18.38	18.35	18.36	
10	256QAM	25	0	18.90	18.95	18.94	20.2
10	256QAM	25	12	18.89	18.80	18.81	
10	256QAM	25	25	18.65	18.79	18.75	
10	256QAM	50	0	18.80	18.79	18.69	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.74	23.63	23.64	25.2
5	QPSK	1	12	23.64	23.55	23.53	
5	QPSK	1	24	23.64	23.54	23.50	
5	QPSK	12	0	22.69	22.69	22.57	24.2
5	QPSK	12	7	22.67	22.70	22.59	
5	QPSK	12	13	22.68	22.64	22.53	
5	QPSK	25	0	22.69	22.68	22.64	
5	16QAM	1	0	22.84	22.87	22.86	24.2
5	16QAM	1	12	22.68	22.72	22.63	
5	16QAM	1	24	22.74	22.72	22.72	
5	16QAM	12	0	21.67	21.65	21.70	23.2
5	16QAM	12	7	21.63	21.62	21.65	
5	16QAM	12	13	21.69	21.57	21.64	
5	16QAM	25	0	21.64	21.71	21.64	
5	64QAM	1	0	21.51	21.40	21.37	23.2
5	64QAM	1	12	21.37	21.35	21.29	



FCC SAR TEST REPORT

Report No. : FA241216-02D

5	64QAM	1	24	21.32	21.31	21.29	
5	64QAM	12	0	20.71	20.66	20.62	22.2
5	64QAM	12	7	20.64	20.67	20.61	
5	64QAM	12	13	20.71	20.58	20.54	
5	64QAM	25	0	20.65	20.59	20.60	
5	256QAM	1	0	18.76	18.67	18.60	20.2
5	256QAM	1	12	18.40	18.47	18.45	
5	256QAM	1	24	18.32	18.42	18.44	
5	256QAM	12	0	18.84	18.94	18.79	20.2
5	256QAM	12	7	18.75	18.83	18.74	
5	256QAM	12	13	18.73	18.78	18.68	
5	256QAM	25	0	18.75	18.80	18.70	



TDD LTE Band 38 PC3_TX1 (Index 4)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.64	22.65	22.52	23.3
20	QPSK	1	49	22.50	22.42	22.37	
20	QPSK	1	99	22.52	22.44	22.41	
20	QPSK	50	0	22.62	22.66	22.47	23.3
20	QPSK	50	24	22.60	22.55	22.44	
20	QPSK	50	50	22.57	22.51	22.46	
20	QPSK	100	0	22.60	22.63	22.44	23.3
20	16QAM	1	0	22.69	22.70	22.59	
20	16QAM	1	49	22.57	22.46	22.48	
20	16QAM	1	99	22.64	22.51	22.48	22.8
20	16QAM	50	0	22.13	22.04	22.02	
20	16QAM	50	24	22.10	22.03	22.02	
20	16QAM	50	50	22.08	22.01	21.98	22.8
20	16QAM	100	0	22.10	22.04	21.96	
20	64QAM	1	0	22.09	21.91	21.81	
20	64QAM	1	49	21.97	21.78	21.67	21.8
20	64QAM	1	99	22.00	21.85	21.75	
20	64QAM	50	0	21.12	21.04	21.00	
20	64QAM	50	24	21.12	21.03	20.99	21.8
20	64QAM	50	50	21.07	21.00	20.96	
20	64QAM	100	0	21.08	21.02	20.95	
20	256QAM	1	0	18.76	18.72	18.62	19.8
20	256QAM	1	49	18.43	18.46	18.40	
20	256QAM	1	99	18.29	18.35	18.33	
20	256QAM	50	0	18.83	18.90	18.92	19.8
20	256QAM	50	24	18.72	18.82	18.75	
20	256QAM	50	50	18.68	18.83	18.77	
20	256QAM	100	0	18.80	18.77	18.81	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	22.57	22.60	22.50	23.3
15	QPSK	1	37	22.44	22.40	22.27	
15	QPSK	1	74	22.47	22.44	22.37	
15	QPSK	36	0	22.60	22.60	22.39	23.3
15	QPSK	36	20	22.54	22.49	22.39	
15	QPSK	36	39	22.53	22.41	22.40	
15	QPSK	75	0	22.54	22.63	22.41	23.3
15	16QAM	1	0	22.68	22.69	22.55	
15	16QAM	1	37	22.55	22.40	22.43	
15	16QAM	1	74	22.64	22.42	22.43	22.8
15	16QAM	36	0	22.10	22.01	21.99	
15	16QAM	36	20	22.02	22.02	21.94	
15	16QAM	36	39	22.04	21.95	21.94	22.8
15	16QAM	75	0	22.06	21.97	21.86	
15	64QAM	1	0	22.09	21.91	21.77	
15	64QAM	1	37	21.89	21.77	21.62	22.8
15	64QAM	1	74	21.90	21.84	21.69	
15	64QAM	36	0	21.06	20.95	20.90	
15	64QAM	36	20	21.03	20.93	20.96	21.8
15	64QAM	36	39	21.03	20.91	20.96	



FCC SAR TEST REPORT

Report No. : FA241216-02D

15	64QAM	75	0	21.07	20.97	20.93	
15	256QAM	1	0	18.71	18.66	18.62	19.8
15	256QAM	1	37	18.35	18.44	18.32	
15	256QAM	1	74	18.19	18.32	18.33	
15	256QAM	36	0	18.83	18.86	18.83	19.8
15	256QAM	36	20	18.66	18.80	18.70	
15	256QAM	36	39	18.65	18.83	18.71	
15	256QAM	75	0	18.80	18.68	18.74	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.59	22.63	22.44	23.3
10	QPSK	1	25	22.42	22.36	22.37	
10	QPSK	1	49	22.43	22.43	22.38	
10	QPSK	25	0	22.52	22.56	22.47	23.3
10	QPSK	25	12	22.53	22.47	22.38	
10	QPSK	25	25	22.51	22.45	22.41	
10	QPSK	50	0	22.59	22.58	22.36	
10	16QAM	1	0	22.62	22.69	22.52	23.3
10	16QAM	1	25	22.53	22.36	22.42	
10	16QAM	1	49	22.59	22.45	22.44	
10	16QAM	25	0	22.11	22.04	22.02	22.8
10	16QAM	25	12	22.07	21.98	21.93	
10	16QAM	25	25	22.08	22.00	21.93	
10	16QAM	50	0	22.03	21.97	21.96	
10	64QAM	1	0	22.02	21.88	21.80	22.8
10	64QAM	1	25	21.91	21.70	21.66	
10	64QAM	1	49	21.94	21.79	21.68	
10	64QAM	25	0	21.05	21.03	20.97	21.8
10	64QAM	25	12	21.12	21.01	20.97	
10	64QAM	25	25	21.05	20.98	20.96	
10	64QAM	50	0	21.02	21.01	20.92	
10	256QAM	1	0	18.71	18.67	18.60	19.8
10	256QAM	1	25	18.37	18.38	18.38	
10	256QAM	1	49	18.25	18.26	18.28	
10	256QAM	25	0	18.76	18.88	18.88	19.8
10	256QAM	25	12	18.66	18.79	18.69	
10	256QAM	25	25	18.62	18.73	18.75	
10	256QAM	50	0	18.76	18.72	18.76	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.62	22.57	22.49	23.3
5	QPSK	1	12	22.44	22.35	22.31	
5	QPSK	1	24	22.47	22.36	22.33	
5	QPSK	12	0	22.53	22.62	22.38	23.3
5	QPSK	12	7	22.55	22.52	22.44	
5	QPSK	12	13	22.54	22.43	22.36	
5	QPSK	25	0	22.59	22.61	22.37	
5	16QAM	1	0	22.64	22.66	22.52	23.3
5	16QAM	1	12	22.51	22.41	22.43	
5	16QAM	1	24	22.55	22.42	22.41	
5	16QAM	12	0	22.13	22.01	21.97	22.8
5	16QAM	12	7	22.09	22.00	21.94	
5	16QAM	12	13	22.06	21.91	21.96	
5	16QAM	25	0	22.06	22.01	21.96	
5	64QAM	1	0	22.05	21.90	21.75	22.8
5	64QAM	1	12	21.90	21.76	21.64	



FCC SAR TEST REPORT

Report No. : FA241216-02D

5	64QAM	1	24	21.90	21.79	21.72	
5	64QAM	12	0	21.03	20.94	20.98	21.8
5	64QAM	12	7	21.08	21.00	20.94	
5	64QAM	12	13	20.99	20.93	20.90	
5	64QAM	25	0	21.04	21.01	20.91	
5	256QAM	1	0	18.76	18.64	18.53	19.8
5	256QAM	1	12	18.36	18.40	18.34	
5	256QAM	1	24	18.27	18.26	18.25	
5	256QAM	12	0	18.75	18.90	18.90	19.8
5	256QAM	12	7	18.69	18.74	18.66	
5	256QAM	12	13	18.60	18.81	18.67	
5	256QAM	25	0	18.76	18.76	18.75	



TDD LTE Band 38 PC3_TX1 (Index 5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.64	22.65	22.52	24.1
20	QPSK	1	49	22.50	22.42	22.37	
20	QPSK	1	99	22.52	22.44	22.41	
20	QPSK	50	0	22.62	22.66	22.47	23.6
20	QPSK	50	24	22.60	22.55	22.44	
20	QPSK	50	50	22.57	22.51	22.46	
20	QPSK	100	0	22.60	22.63	22.44	23.6
20	16QAM	1	0	22.69	22.70	22.59	
20	16QAM	1	49	22.57	22.46	22.48	
20	16QAM	1	99	22.64	22.51	22.48	23.1
20	16QAM	50	0	22.13	22.04	22.02	
20	16QAM	50	24	22.10	22.03	22.02	
20	16QAM	50	50	22.08	22.01	21.98	23.1
20	16QAM	100	0	22.10	22.04	21.96	
20	64QAM	1	0	22.09	21.91	21.81	
20	64QAM	1	49	21.97	21.78	21.67	23.1
20	64QAM	1	99	22.00	21.85	21.75	
20	64QAM	50	0	21.12	21.04	21.00	
20	64QAM	50	24	21.12	21.03	20.99	22.1
20	64QAM	50	50	21.07	21.00	20.96	
20	64QAM	100	0	21.08	21.02	20.95	
20	256QAM	1	0	18.76	18.72	18.62	19.8
20	256QAM	1	49	18.43	18.46	18.40	
20	256QAM	1	99	18.29	18.35	18.33	
20	256QAM	50	0	18.83	18.90	18.92	19.8
20	256QAM	50	24	18.72	18.82	18.75	
20	256QAM	50	50	18.68	18.83	18.77	
20	256QAM	100	0	18.80	18.77	18.81	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.57	22.60	22.50	24.1
15	QPSK	1	37	22.44	22.40	22.27	
15	QPSK	1	74	22.47	22.44	22.37	
15	QPSK	36	0	22.60	22.60	22.39	23.6
15	QPSK	36	20	22.54	22.49	22.39	
15	QPSK	36	39	22.53	22.41	22.40	
15	QPSK	75	0	22.54	22.63	22.41	23.6
15	16QAM	1	0	22.68	22.69	22.55	
15	16QAM	1	37	22.55	22.40	22.43	
15	16QAM	1	74	22.64	22.42	22.43	23.1
15	16QAM	36	0	22.10	22.01	21.99	
15	16QAM	36	20	22.02	22.02	21.94	
15	16QAM	36	39	22.04	21.95	21.94	23.1
15	16QAM	75	0	22.06	21.97	21.86	
15	64QAM	1	0	22.09	21.91	21.77	
15	64QAM	1	37	21.89	21.77	21.62	23.1
15	64QAM	1	74	21.90	21.84	21.69	
15	64QAM	36	0	21.06	20.95	20.90	
15	64QAM	36	20	21.03	20.93	20.96	22.1
15	64QAM	36	39	21.03	20.91	20.96	



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15	64QAM	75	0	21.07	20.97	20.93	
15	256QAM	1	0	18.71	18.66	18.62	19.8
15	256QAM	1	37	18.35	18.44	18.32	
15	256QAM	1	74	18.19	18.32	18.33	
15	256QAM	36	0	18.83	18.86	18.83	19.8
15	256QAM	36	20	18.66	18.80	18.70	
15	256QAM	36	39	18.65	18.83	18.71	
15	256QAM	75	0	18.80	18.68	18.74	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.59	22.63	22.44	24.1
10	QPSK	1	25	22.42	22.36	22.37	
10	QPSK	1	49	22.43	22.43	22.38	
10	QPSK	25	0	22.52	22.56	22.47	23.6
10	QPSK	25	12	22.53	22.47	22.38	
10	QPSK	25	25	22.51	22.45	22.41	
10	QPSK	50	0	22.59	22.58	22.36	
10	16QAM	1	0	22.62	22.69	22.52	23.6
10	16QAM	1	25	22.53	22.36	22.42	
10	16QAM	1	49	22.59	22.45	22.44	
10	16QAM	25	0	22.11	22.04	22.02	23.1
10	16QAM	25	12	22.07	21.98	21.93	
10	16QAM	25	25	22.08	22.00	21.93	
10	16QAM	50	0	22.03	21.97	21.96	
10	64QAM	1	0	22.02	21.88	21.80	23.1
10	64QAM	1	25	21.91	21.70	21.66	
10	64QAM	1	49	21.94	21.79	21.68	
10	64QAM	25	0	21.05	21.03	20.97	22.1
10	64QAM	25	12	21.12	21.01	20.97	
10	64QAM	25	25	21.05	20.98	20.96	
10	64QAM	50	0	21.02	21.01	20.92	
10	256QAM	1	0	18.71	18.67	18.60	19.8
10	256QAM	1	25	18.37	18.38	18.38	
10	256QAM	1	49	18.25	18.26	18.28	
10	256QAM	25	0	18.76	18.88	18.88	19.8
10	256QAM	25	12	18.66	18.79	18.69	
10	256QAM	25	25	18.62	18.73	18.75	
10	256QAM	50	0	18.76	18.72	18.76	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.62	22.57	22.49	24.1
5	QPSK	1	12	22.44	22.35	22.31	
5	QPSK	1	24	22.47	22.36	22.33	
5	QPSK	12	0	22.53	22.62	22.38	23.6
5	QPSK	12	7	22.55	22.52	22.44	
5	QPSK	12	13	22.54	22.43	22.36	
5	QPSK	25	0	22.59	22.61	22.37	
5	16QAM	1	0	22.64	22.66	22.52	23.6
5	16QAM	1	12	22.51	22.41	22.43	
5	16QAM	1	24	22.55	22.42	22.41	
5	16QAM	12	0	22.13	22.01	21.97	23.1
5	16QAM	12	7	22.09	22.00	21.94	
5	16QAM	12	13	22.06	21.91	21.96	
5	16QAM	25	0	22.06	22.01	21.96	
5	64QAM	1	0	22.05	21.90	21.75	23.1
5	64QAM	1	12	21.90	21.76	21.64	



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5	64QAM	1	24	21.90	21.79	21.72	
5	64QAM	12	0	21.03	20.94	20.98	22.1
5	64QAM	12	7	21.08	21.00	20.94	
5	64QAM	12	13	20.99	20.93	20.90	
5	64QAM	25	0	21.04	21.01	20.91	
5	256QAM	1	0	18.76	18.64	18.53	19.8
5	256QAM	1	12	18.36	18.40	18.34	
5	256QAM	1	24	18.27	18.26	18.25	
5	256QAM	12	0	18.75	18.90	18.90	19.8
5	256QAM	12	7	18.69	18.74	18.66	
5	256QAM	12	13	18.60	18.81	18.67	
5	256QAM	25	0	18.76	18.76	18.75	



TDD LTE Band 38 PC2_TX1 (Index 1/2/3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.43	25.37	25.33	27
20	QPSK	1	49	25.41	25.33	25.31	
20	QPSK	1	99	25.36	25.32	25.29	
20	QPSK	50	0	24.43	24.41	24.37	26
20	QPSK	50	24	24.42	24.40	24.37	
20	QPSK	50	50	24.42	24.37	24.31	
20	QPSK	100	0	24.43	24.37	24.34	26
20	16QAM	1	0	24.70	24.72	24.64	
20	16QAM	1	49	24.54	24.50	24.46	
20	16QAM	1	99	24.57	24.67	24.47	25
20	16QAM	50	0	23.45	23.43	23.39	
20	16QAM	50	24	23.45	23.40	23.37	
20	16QAM	50	50	23.42	23.40	23.35	25
20	16QAM	100	0	23.46	23.41	23.39	
20	64QAM	1	0	23.54	23.49	23.53	
20	64QAM	1	49	23.48	23.43	23.41	25
20	64QAM	1	99	23.45	23.39	23.35	
20	64QAM	50	0	22.44	22.41	22.39	
20	64QAM	50	24	22.43	22.43	22.37	24
20	64QAM	50	50	22.46	22.39	22.31	
20	64QAM	100	0	22.44	22.44	22.38	
20	256QAM	1	0	20.29	20.50	20.38	22
20	256QAM	1	49	20.21	20.29	20.21	
20	256QAM	1	99	20.19	20.24	20.24	
20	256QAM	50	0	20.68	20.71	20.71	22
20	256QAM	50	24	20.51	20.61	20.60	
20	256QAM	50	50	20.46	20.56	20.56	
20	256QAM	100	0	20.51	20.55	20.47	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.35	25.33	25.23	27
15	QPSK	1	37	25.32	25.27	25.29	
15	QPSK	1	74	25.31	25.25	25.20	
15	QPSK	36	0	24.40	24.31	24.29	26
15	QPSK	36	20	24.36	24.31	24.35	
15	QPSK	36	39	24.39	24.34	24.22	
15	QPSK	75	0	24.42	24.31	24.24	26
15	16QAM	1	0	24.68	24.69	24.59	
15	16QAM	1	37	24.46	24.50	24.46	
15	16QAM	1	74	24.55	24.67	24.47	26
15	16QAM	36	0	23.43	23.42	23.36	
15	16QAM	36	20	23.42	23.32	23.30	
15	16QAM	36	39	23.35	23.31	23.26	25
15	16QAM	75	0	23.42	23.31	23.38	
15	64QAM	1	0	23.49	23.47	23.47	
15	64QAM	1	37	23.48	23.39	23.33	25
15	64QAM	1	74	23.39	23.35	23.29	
15	64QAM	36	0	22.44	22.33	22.30	
15	64QAM	36	20	22.38	22.34	22.29	24
15	64QAM	36	39	22.40	22.38	22.27	



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15	64QAM	75	0	22.40	22.42	22.31	
15	256QAM	1	0	20.19	20.42	20.37	22
15	256QAM	1	37	20.18	20.28	20.18	
15	256QAM	1	74	20.12	20.20	20.16	
15	256QAM	36	0	20.68	20.65	20.68	22
15	256QAM	36	20	20.49	20.61	20.55	
15	256QAM	36	39	20.40	20.50	20.56	
15	256QAM	75	0	20.49	20.53	20.45	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.37	25.27	25.27	27
10	QPSK	1	25	25.40	25.32	25.22	
10	QPSK	1	49	25.29	25.25	25.20	
10	QPSK	25	0	24.39	24.35	24.33	26
10	QPSK	25	12	24.33	24.35	24.37	
10	QPSK	25	25	24.35	24.29	24.24	
10	QPSK	50	0	24.42	24.35	24.27	
10	16QAM	1	0	24.63	24.67	24.54	26
10	16QAM	1	25	24.45	24.44	24.37	
10	16QAM	1	49	24.54	24.65	24.38	
10	16QAM	25	0	23.45	23.41	23.32	25
10	16QAM	25	12	23.44	23.35	23.33	
10	16QAM	25	25	23.42	23.40	23.31	
10	16QAM	50	0	23.41	23.40	23.35	
10	64QAM	1	0	23.48	23.39	23.53	25
10	64QAM	1	25	23.40	23.34	23.40	
10	64QAM	1	49	23.41	23.31	23.34	
10	64QAM	25	0	22.37	22.37	22.32	24
10	64QAM	25	12	22.43	22.33	22.27	
10	64QAM	25	25	22.37	22.34	22.30	
10	64QAM	50	0	22.42	22.44	22.33	
10	256QAM	1	0	20.22	20.41	20.29	22
10	256QAM	1	25	20.14	20.29	20.14	
10	256QAM	1	49	20.13	20.16	20.09	
10	256QAM	25	0	20.59	20.65	20.58	22
10	256QAM	25	12	20.55	20.53	20.49	
10	256QAM	25	25	20.53	20.51	20.39	
10	256QAM	50	0	20.44	20.48	20.41	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.38	25.37	25.23	27
5	QPSK	1	12	25.35	25.26	25.28	
5	QPSK	1	24	25.28	25.29	25.29	
5	QPSK	12	0	24.39	24.37	24.27	26
5	QPSK	12	7	24.35	24.39	24.30	
5	QPSK	12	13	24.35	24.31	24.22	
5	QPSK	25	0	24.34	24.34	24.32	
5	16QAM	1	0	24.61	24.69	24.63	26
5	16QAM	1	12	24.47	24.50	24.45	
5	16QAM	1	24	24.49	24.63	24.44	
5	16QAM	12	0	23.41	23.42	23.31	25
5	16QAM	12	7	23.37	23.37	23.36	
5	16QAM	12	13	23.34	23.39	23.25	
5	16QAM	25	0	23.42	23.38	23.34	
5	64QAM	1	0	23.48	23.41	23.53	25
5	64QAM	1	12	23.38	23.41	23.36	



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5	64QAM	1	24	23.38	23.38	23.35	
5	64QAM	12	0	22.43	22.32	22.32	24
5	64QAM	12	7	22.36	22.34	22.36	
5	64QAM	12	13	22.45	22.39	22.21	
5	64QAM	25	0	22.44	22.34	22.37	
5	256QAM	1	0	20.29	20.43	20.34	22
5	256QAM	1	12	20.15	20.28	20.17	
5	256QAM	1	24	20.12	20.17	20.15	
5	256QAM	12	0	20.57	20.62	20.65	22
5	256QAM	12	7	20.60	20.60	20.51	
5	256QAM	12	13	20.51	20.56	20.41	
5	256QAM	25	0	20.47	20.45	20.55	



TDD LTE Band 38 PC2_TX1 (Index 4)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.13	24.15	24.03	24.9
20	QPSK	1	49	24.07	24.02	23.94	
20	QPSK	1	99	24.08	24.02	23.98	
20	QPSK	50	0	24.17	24.19	24.03	24.9
20	QPSK	50	24	24.15	24.07	24.01	
20	QPSK	50	50	24.12	24.06	23.99	
20	QPSK	100	0	24.15	24.16	24.02	24.9
20	16QAM	1	0	24.54	24.55	24.40	
20	16QAM	1	49	24.41	24.30	24.26	
20	16QAM	1	99	24.49	24.33	24.31	24.9
20	16QAM	50	0	24.22	24.14	24.07	
20	16QAM	50	24	24.19	24.08	24.02	
20	16QAM	50	50	24.18	24.05	24.00	24.9
20	16QAM	100	0	24.18	24.09	24.04	
20	64QAM	1	0	24.23	24.12	24.08	
20	64QAM	1	49	24.12	24.02	23.94	24.9
20	64QAM	1	99	24.11	24.00	23.94	
20	64QAM	50	0	23.87	23.79	23.72	
20	64QAM	50	24	23.83	23.79	23.75	23.9
20	64QAM	50	50	23.81	23.76	23.72	
20	64QAM	100	0	23.86	23.79	23.74	
20	256QAM	1	0	20.20	20.50	20.31	21.4
20	256QAM	1	49	20.21	20.22	20.13	
20	256QAM	1	99	20.09	20.16	20.21	
20	256QAM	50	0	20.67	20.68	20.71	21.4
20	256QAM	50	24	20.42	20.52	20.58	
20	256QAM	50	50	20.38	20.46	20.50	
20	256QAM	100	0	20.46	20.54	20.37	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	24.12	24.05	24.01	24.9
15	QPSK	1	37	24.05	23.96	23.85	
15	QPSK	1	74	24.05	23.96	23.94	
15	QPSK	36	0	24.12	24.17	23.96	24.9
15	QPSK	36	20	24.05	24.01	24.01	
15	QPSK	36	39	24.09	23.97	23.90	
15	QPSK	75	0	24.13	24.07	24.02	24.9
15	16QAM	1	0	24.44	24.50	24.35	
15	16QAM	1	37	24.38	24.23	24.24	
15	16QAM	1	74	24.45	24.24	24.25	24.9
15	16QAM	36	0	24.13	24.13	23.98	
15	16QAM	36	20	24.11	24.03	24.02	
15	16QAM	36	39	24.14	24.03	23.93	24.9
15	16QAM	75	0	24.17	24.07	23.97	
15	64QAM	1	0	24.17	24.12	24.05	
15	64QAM	1	37	24.08	23.93	23.86	24.9
15	64QAM	1	74	24.01	23.94	23.87	
15	64QAM	36	0	23.86	23.73	23.69	
15	64QAM	36	20	23.74	23.70	23.75	23.9
15	64QAM	36	39	23.76	23.75	23.63	



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15	64QAM	75	0	23.84	23.70	23.71	
15	256QAM	1	0	20.12	20.47	20.29	21.4
15	256QAM	1	37	20.21	20.22	20.05	
15	256QAM	1	74	20.05	20.13	20.18	
15	256QAM	36	0	20.64	20.63	20.69	21.4
15	256QAM	36	20	20.34	20.52	20.58	
15	256QAM	36	39	20.34	20.41	20.48	
15	256QAM	75	0	20.42	20.53	20.36	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.08	24.05	23.93	24.9
10	QPSK	1	25	24.07	23.95	23.85	
10	QPSK	1	49	24.01	24.02	23.90	
10	QPSK	25	0	24.14	24.16	23.93	24.9
10	QPSK	25	12	24.08	24.05	23.93	
10	QPSK	25	25	24.05	24.04	23.89	
10	QPSK	50	0	24.13	24.14	23.93	
10	16QAM	1	0	24.46	24.48	24.31	24.9
10	16QAM	1	25	24.37	24.23	24.25	
10	16QAM	1	49	24.44	24.26	24.24	
10	16QAM	25	0	24.17	24.05	24.06	24.9
10	16QAM	25	12	24.09	24.04	24.02	
10	16QAM	25	25	24.17	23.96	23.93	
10	16QAM	50	0	24.09	24.01	23.96	
10	64QAM	1	0	24.23	24.04	24.01	24.9
10	64QAM	1	25	24.06	24.01	23.86	
10	64QAM	1	49	24.01	24.00	23.94	
10	64QAM	25	0	23.77	23.70	23.66	23.9
10	64QAM	25	12	23.75	23.77	23.65	
10	64QAM	25	25	23.72	23.70	23.62	
10	64QAM	50	0	23.86	23.75	23.64	
10	256QAM	1	0	20.15	20.43	20.23	21.4
10	256QAM	1	25	20.18	20.19	20.09	
10	256QAM	1	49	20.07	20.16	20.17	
10	256QAM	25	0	20.60	20.65	20.67	21.4
10	256QAM	25	12	20.39	20.45	20.49	
10	256QAM	25	25	20.38	20.40	20.40	
10	256QAM	50	0	20.43	20.49	20.31	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.03	24.13	23.98	24.9
5	QPSK	1	12	24.03	23.94	23.87	
5	QPSK	1	24	24.08	24.00	23.96	
5	QPSK	12	0	24.07	24.10	23.93	24.9
5	QPSK	12	7	24.06	24.00	23.99	
5	QPSK	12	13	24.10	24.01	23.89	
5	QPSK	25	0	24.13	24.06	24.01	
5	16QAM	1	0	24.54	24.53	24.35	24.9
5	16QAM	1	12	24.39	24.28	24.19	
5	16QAM	1	24	24.47	24.24	24.26	
5	16QAM	12	0	24.16	24.13	24.01	24.9
5	16QAM	12	7	24.18	24.05	23.97	
5	16QAM	12	13	24.16	23.95	23.96	
5	16QAM	25	0	24.16	24.06	23.98	
5	64QAM	1	0	24.13	24.06	24.06	24.9
5	64QAM	1	12	24.06	24.01	23.90	



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5	64QAM	1	24	24.11	23.90	23.94	
5	64QAM	12	0	23.87	23.69	23.63	23.9
5	64QAM	12	7	23.74	23.75	23.65	
5	64QAM	12	13	23.79	23.76	23.65	
5	64QAM	25	0	23.84	23.75	23.74	
5	256QAM	1	0	20.19	20.43	20.26	21.4
5	256QAM	1	12	20.21	20.21	20.05	
5	256QAM	1	24	20.08	20.11	20.16	
5	256QAM	12	0	20.60	20.58	20.64	21.4
5	256QAM	12	7	20.35	20.48	20.57	
5	256QAM	12	13	20.38	20.41	20.42	
5	256QAM	25	0	20.40	20.54	20.37	



TDD LTE Band 38 PC2_TX1 (Index 5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.13	24.15	24.03	25.7
20	QPSK	1	49	24.07	24.02	23.94	
20	QPSK	1	99	24.08	24.02	23.98	
20	QPSK	50	0	24.17	24.19	24.03	25.2
20	QPSK	50	24	24.15	24.07	24.01	
20	QPSK	50	50	24.12	24.06	23.99	
20	QPSK	100	0	24.15	24.16	24.02	25.2
20	16QAM	1	0	24.54	24.55	24.40	
20	16QAM	1	49	24.41	24.30	24.26	
20	16QAM	1	99	24.49	24.33	24.31	24.9
20	16QAM	50	0	24.22	24.14	24.07	
20	16QAM	50	24	24.19	24.08	24.02	
20	16QAM	50	50	24.18	24.05	24.00	24.9
20	16QAM	100	0	24.18	24.09	24.04	
20	64QAM	1	0	24.23	24.12	24.08	
20	64QAM	1	49	24.12	24.02	23.94	24.9
20	64QAM	1	99	24.11	24.00	23.94	
20	64QAM	50	0	23.87	23.79	23.72	
20	64QAM	50	24	23.83	23.79	23.75	23.9
20	64QAM	50	50	23.81	23.76	23.72	
20	64QAM	100	0	23.86	23.79	23.74	
20	256QAM	1	0	20.20	20.50	20.31	21.4
20	256QAM	1	49	20.21	20.22	20.13	
20	256QAM	1	99	20.09	20.16	20.21	
20	256QAM	50	0	20.67	20.68	20.71	21.4
20	256QAM	50	24	20.42	20.52	20.58	
20	256QAM	50	50	20.38	20.46	20.50	
20	256QAM	100	0	20.46	20.54	20.37	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	24.12	24.05	24.01	25.7
15	QPSK	1	37	24.05	23.96	23.85	
15	QPSK	1	74	24.05	23.96	23.94	
15	QPSK	36	0	24.12	24.17	23.96	25.2
15	QPSK	36	20	24.05	24.01	24.01	
15	QPSK	36	39	24.09	23.97	23.90	
15	QPSK	75	0	24.13	24.07	24.02	25.2
15	16QAM	1	0	24.44	24.50	24.35	
15	16QAM	1	37	24.38	24.23	24.24	
15	16QAM	1	74	24.45	24.24	24.25	24.9
15	16QAM	36	0	24.13	24.13	23.98	
15	16QAM	36	20	24.11	24.03	24.02	
15	16QAM	36	39	24.14	24.03	23.93	24.9
15	16QAM	75	0	24.17	24.07	23.97	
15	64QAM	1	0	24.17	24.12	24.05	
15	64QAM	1	37	24.08	23.93	23.86	24.9
15	64QAM	1	74	24.01	23.94	23.87	
15	64QAM	36	0	23.86	23.73	23.69	
15	64QAM	36	20	23.74	23.70	23.75	23.9
15	64QAM	36	39	23.76	23.75	23.63	



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15	64QAM	75	0	23.84	23.70	23.71	
15	256QAM	1	0	20.12	20.47	20.29	21.4
15	256QAM	1	37	20.21	20.22	20.05	
15	256QAM	1	74	20.05	20.13	20.18	
15	256QAM	36	0	20.64	20.63	20.69	21.4
15	256QAM	36	20	20.34	20.52	20.58	
15	256QAM	36	39	20.34	20.41	20.48	
15	256QAM	75	0	20.42	20.53	20.36	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.08	24.05	23.93	25.7
10	QPSK	1	25	24.07	23.95	23.85	
10	QPSK	1	49	24.01	24.02	23.90	
10	QPSK	25	0	24.14	24.16	23.93	25.2
10	QPSK	25	12	24.08	24.05	23.93	
10	QPSK	25	25	24.05	24.04	23.89	
10	QPSK	50	0	24.13	24.14	23.93	
10	16QAM	1	0	24.46	24.48	24.31	25.2
10	16QAM	1	25	24.37	24.23	24.25	
10	16QAM	1	49	24.44	24.26	24.24	
10	16QAM	25	0	24.17	24.05	24.06	24.9
10	16QAM	25	12	24.09	24.04	24.02	
10	16QAM	25	25	24.17	23.96	23.93	
10	16QAM	50	0	24.09	24.01	23.96	
10	64QAM	1	0	24.23	24.04	24.01	24.9
10	64QAM	1	25	24.06	24.01	23.86	
10	64QAM	1	49	24.01	24.00	23.94	
10	64QAM	25	0	23.77	23.70	23.66	23.9
10	64QAM	25	12	23.75	23.77	23.65	
10	64QAM	25	25	23.72	23.70	23.62	
10	64QAM	50	0	23.86	23.75	23.64	
10	256QAM	1	0	20.15	20.43	20.23	21.4
10	256QAM	1	25	20.18	20.19	20.09	
10	256QAM	1	49	20.07	20.16	20.17	
10	256QAM	25	0	20.60	20.65	20.67	21.4
10	256QAM	25	12	20.39	20.45	20.49	
10	256QAM	25	25	20.38	20.40	20.40	
10	256QAM	50	0	20.43	20.49	20.31	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.03	24.13	23.98	25.7
5	QPSK	1	12	24.03	23.94	23.87	
5	QPSK	1	24	24.08	24.00	23.96	
5	QPSK	12	0	24.07	24.10	23.93	25.2
5	QPSK	12	7	24.06	24.00	23.99	
5	QPSK	12	13	24.10	24.01	23.89	
5	QPSK	25	0	24.13	24.06	24.01	
5	16QAM	1	0	24.54	24.53	24.35	25.2
5	16QAM	1	12	24.39	24.28	24.19	
5	16QAM	1	24	24.47	24.24	24.26	
5	16QAM	12	0	24.16	24.13	24.01	24.9
5	16QAM	12	7	24.18	24.05	23.97	
5	16QAM	12	13	24.16	23.95	23.96	
5	16QAM	25	0	24.16	24.06	23.98	
5	64QAM	1	0	24.13	24.06	24.06	24.9
5	64QAM	1	12	24.06	24.01	23.90	



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5	64QAM	1	24	24.11	23.90	23.94	
5	64QAM	12	0	23.87	23.69	23.63	23.9
5	64QAM	12	7	23.74	23.75	23.65	
5	64QAM	12	13	23.79	23.76	23.65	
5	64QAM	25	0	23.84	23.75	23.74	
5	256QAM	1	0	20.19	20.43	20.26	21.4
5	256QAM	1	12	20.21	20.21	20.05	
5	256QAM	1	24	20.08	20.11	20.16	
5	256QAM	12	0	20.60	20.58	20.64	21.4
5	256QAM	12	7	20.35	20.48	20.57	
5	256QAM	12	13	20.38	20.41	20.42	
5	256QAM	25	0	20.40	20.54	20.37	



TDD LTE Band 41 PC3_TX0 (Index 1/2/3)

Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.50	24.58	24.54	24.57	24.70	25.7
20	QPSK	1	49	24.39	24.49	24.43	24.44	24.52	
20	QPSK	1	99	24.36	24.48	24.44	24.47	24.48	
20	QPSK	50	0	22.49	22.58	22.52	22.58	22.72	23.7
20	QPSK	50	24	22.47	22.55	22.50	22.57	22.70	
20	QPSK	50	50	22.44	22.53	22.50	22.54	22.70	
20	QPSK	100	0	22.47	22.55	22.50	22.55	22.62	24.7
20	16QAM	1	0	23.51	23.57	23.61	23.68	23.68	
20	16QAM	1	49	23.37	23.43	23.45	23.53	23.54	
20	16QAM	1	99	23.37	23.45	23.46	23.55	23.50	22.7
20	16QAM	50	0	21.48	21.56	21.50	21.55	21.66	
20	16QAM	50	24	21.47	21.53	21.49	21.54	21.63	
20	16QAM	50	50	21.46	21.51	21.47	21.53	21.59	22.7
20	16QAM	100	0	21.47	21.58	21.53	21.56	21.63	
20	64QAM	1	0	21.59	21.63	21.47	21.52	21.63	
20	64QAM	1	49	21.36	21.47	21.36	21.40	21.44	22.7
20	64QAM	1	99	21.38	21.54	21.40	21.45	21.42	
20	64QAM	50	0	19.65	19.65	19.67	19.79	19.88	
20	64QAM	50	24	19.58	19.63	19.65	19.75	19.83	20.7
20	64QAM	50	50	19.58	19.63	19.64	19.75	19.78	
20	64QAM	100	0	19.61	19.63	19.63	19.74	19.74	
20	256QAM	1	0	19.46	19.52	19.49	19.46	19.54	20.7
20	256QAM	1	49	19.27	19.23	19.21	19.24	19.28	
20	256QAM	1	99	19.10	19.16	19.13	19.08	19.16	
20	256QAM	50	0	17.29	17.30	17.28	17.29	17.37	18.7
20	256QAM	50	24	17.63	17.64	17.55	17.54	17.64	
20	256QAM	50	50	17.49	17.57	17.53	17.54	17.57	
20	256QAM	100	0	17.60	17.60	17.59	17.66	17.67	
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	24.43	24.51	24.46	24.50	24.61	25.7
15	QPSK	1	37	24.36	24.45	24.43	24.34	24.44	
15	QPSK	1	74	24.27	24.38	24.40	24.46	24.39	
15	QPSK	36	0	22.44	22.50	22.48	22.54	22.62	23.7
15	QPSK	36	20	22.38	22.47	22.44	22.53	22.70	
15	QPSK	36	39	22.42	22.51	22.46	22.54	22.69	
15	QPSK	75	0	22.41	22.52	22.45	22.50	22.58	24.7
15	16QAM	1	0	23.51	23.54	23.57	23.64	23.59	
15	16QAM	1	37	23.31	23.35	23.36	23.43	23.45	
15	16QAM	1	74	23.31	23.40	23.36	23.46	23.45	22.7
15	16QAM	36	0	21.43	21.49	21.44	21.47	21.62	
15	16QAM	36	20	21.43	21.43	21.46	21.47	21.57	
15	16QAM	36	39	21.45	21.50	21.41	21.51	21.53	22.7
15	16QAM	75	0	21.46	21.56	21.44	21.53	21.53	
15	64QAM	1	0	21.58	21.56	21.46	21.50	21.61	
15	64QAM	1	37	21.27	21.41	21.35	21.39	21.43	22.7
15	64QAM	1	74	21.32	21.52	21.32	21.40	21.41	
15	64QAM	36	0	19.65	19.59	19.67	19.70	19.81	
15	64QAM	36	20	19.50	19.57	19.64	19.72	19.82	20.7
15	64QAM	36	39	19.51	19.60	19.58	19.70	19.69	



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15	64QAM	75	0	19.51	19.60	19.53	19.66	19.64	
15	256QAM	1	0	19.39	19.50	19.42	19.42	19.47	20.7
15	256QAM	1	37	19.23	19.15	19.18	19.19	19.18	
15	256QAM	1	74	19.06	19.14	19.03	19.02	19.10	
15	256QAM	36	0	17.24	17.26	17.22	17.22	17.36	18.7
15	256QAM	36	20	17.58	17.61	17.45	17.50	17.62	
15	256QAM	36	39	17.41	17.52	17.45	17.50	17.55	
15	256QAM	75	0	17.57	17.52	17.51	17.65	17.57	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.40	24.54	24.44	24.53	24.68	25.7
10	QPSK	1	25	24.32	24.47	24.37	24.38	24.49	
10	QPSK	1	49	24.34	24.47	24.37	24.44	24.47	
10	QPSK	25	0	22.44	22.58	22.42	22.48	22.64	23.7
10	QPSK	25	12	22.43	22.49	22.46	22.50	22.60	
10	QPSK	25	25	22.44	22.44	22.50	22.51	22.61	
10	QPSK	50	0	22.39	22.49	22.48	22.49	22.54	
10	16QAM	1	0	23.49	23.57	23.55	23.64	23.68	24.7
10	16QAM	1	25	23.37	23.40	23.44	23.50	23.52	
10	16QAM	1	49	23.33	23.44	23.45	23.54	23.49	
10	16QAM	25	0	21.45	21.49	21.45	21.45	21.63	22.7
10	16QAM	25	12	21.42	21.46	21.44	21.47	21.59	
10	16QAM	25	25	21.37	21.46	21.45	21.49	21.59	
10	16QAM	50	0	21.47	21.50	21.43	21.48	21.62	
10	64QAM	1	0	21.50	21.62	21.39	21.48	21.59	22.7
10	64QAM	1	25	21.35	21.44	21.30	21.34	21.34	
10	64QAM	1	49	21.35	21.54	21.34	21.39	21.35	
10	64QAM	25	0	19.60	19.56	19.66	19.77	19.78	20.7
10	64QAM	25	12	19.57	19.53	19.64	19.68	19.78	
10	64QAM	25	25	19.53	19.62	19.64	19.66	19.72	
10	64QAM	50	0	19.60	19.63	19.53	19.66	19.74	
10	256QAM	1	0	19.43	19.46	19.49	19.44	19.52	20.7
10	256QAM	1	25	19.24	19.20	19.18	19.15	19.28	
10	256QAM	1	49	19.06	19.13	19.13	18.99	19.14	
10	256QAM	25	0	17.24	17.23	17.24	17.24	17.29	18.7
10	256QAM	25	12	17.57	17.60	17.48	17.47	17.55	
10	256QAM	25	25	17.47	17.51	17.43	17.47	17.53	
10	256QAM	50	0	17.57	17.57	17.50	17.66	17.65	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.41	24.48	24.47	24.49	24.60	25.7
5	QPSK	1	12	24.29	24.41	24.34	24.37	24.44	
5	QPSK	1	24	24.32	24.46	24.43	24.39	24.38	
5	QPSK	12	0	22.39	22.49	22.42	22.52	22.71	23.7
5	QPSK	12	7	22.37	22.52	22.40	22.51	22.60	
5	QPSK	12	13	22.43	22.43	22.43	22.50	22.67	
5	QPSK	25	0	22.42	22.47	22.40	22.45	22.62	
5	16QAM	1	0	23.51	23.57	23.52	23.68	23.66	24.7
5	16QAM	1	12	23.36	23.39	23.42	23.47	23.49	
5	16QAM	1	24	23.28	23.43	23.41	23.50	23.46	
5	16QAM	12	0	21.44	21.52	21.47	21.48	21.58	22.7
5	16QAM	12	7	21.44	21.49	21.47	21.53	21.61	
5	16QAM	12	13	21.37	21.42	21.38	21.44	21.55	
5	16QAM	25	0	21.38	21.51	21.49	21.46	21.57	
5	64QAM	1	0	21.57	21.55	21.37	21.52	21.53	22.7
5	64QAM	1	12	21.33	21.39	21.32	21.36	21.36	



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5	64QAM	1	24	21.34	21.54	21.35	21.44	21.34	
5	64QAM	12	0	19.64	19.61	19.60	19.74	19.83	20.7
5	64QAM	12	7	19.53	19.55	19.59	19.66	19.77	
5	64QAM	12	13	19.51	19.53	19.60	19.72	19.74	
5	64QAM	25	0	19.52	19.54	19.58	19.65	19.64	
5	256QAM	1	0	19.42	19.52	19.48	19.41	19.49	20.7
5	256QAM	1	12	19.17	19.19	19.12	19.24	19.22	
5	256QAM	1	24	19.10	19.14	19.03	19.02	19.16	
5	256QAM	12	0	17.29	17.23	17.20	17.22	17.33	18.7
5	256QAM	12	7	17.56	17.63	17.51	17.46	17.63	
5	256QAM	12	13	17.49	17.57	17.52	17.49	17.55	
5	256QAM	25	0	17.56	17.51	17.50	17.63	17.66	



TDD LTE Band 41 PC3_TX0 (Index 4)

Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.18	23.30	23.24	23.31	23.50	24
20	QPSK	1	49	23.06	23.15	23.12	23.20	23.34	
20	QPSK	1	99	23.08	23.16	23.16	23.23	23.32	
20	QPSK	50	0	22.47	22.58	22.53	22.62	22.85	24
20	QPSK	50	24	22.46	22.55	22.52	22.59	22.84	
20	QPSK	50	50	22.43	22.50	22.50	22.58	22.82	
20	QPSK	100	0	22.46	22.52	22.51	22.57	22.69	24
20	16QAM	1	0	23.38	23.37	23.25	23.32	23.55	
20	16QAM	1	49	23.22	23.21	23.15	23.18	23.37	
20	16QAM	1	99	23.23	23.23	23.17	23.26	23.34	23
20	16QAM	50	0	21.47	21.54	21.51	21.59	21.73	
20	16QAM	50	24	21.44	21.51	21.50	21.57	21.73	
20	16QAM	50	50	21.43	21.48	21.49	21.55	21.70	22.5
20	16QAM	100	0	21.47	21.54	21.53	21.57	21.69	
20	64QAM	1	0	21.57	21.55	21.37	21.50	21.55	
20	64QAM	1	49	21.33	21.47	21.36	21.33	21.34	20.5
20	64QAM	1	99	21.29	21.44	21.35	21.42	21.39	
20	64QAM	50	0	19.58	19.61	19.57	19.74	19.80	
20	64QAM	50	24	19.51	19.55	19.64	19.74	19.79	20.5
20	64QAM	50	50	19.55	19.59	19.56	19.67	19.73	
20	64QAM	100	0	19.56	19.58	19.53	19.74	19.66	
20	256QAM	1	0	19.44	19.45	19.48	19.39	19.64	20.5
20	256QAM	1	49	19.20	19.31	19.24	19.26	19.33	
20	256QAM	1	99	19.11	19.13	19.07	19.06	19.20	
20	256QAM	50	0	17.21	17.35	17.24	17.21	17.41	18.5
20	256QAM	50	24	17.56	17.70	17.53	17.49	17.67	
20	256QAM	50	50	17.41	17.50	17.48	17.52	17.65	
20	256QAM	100	0	17.54	17.57	17.59	17.62	17.67	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.13	23.21	23.14	23.31	23.43	24
15	QPSK	1	37	23.02	23.07	23.04	23.13	23.30	
15	QPSK	1	74	23.01	23.06	23.13	23.22	23.25	
15	QPSK	36	0	22.44	22.53	22.48	22.57	22.76	24
15	QPSK	36	20	22.44	22.45	22.50	22.55	22.75	
15	QPSK	36	39	22.40	22.46	22.46	22.48	22.82	
15	QPSK	75	0	22.45	22.51	22.47	22.47	22.67	24
15	16QAM	1	0	23.37	23.36	23.16	23.30	23.50	
15	16QAM	1	37	23.16	23.19	23.08	23.17	23.34	
15	16QAM	1	74	23.13	23.21	23.11	23.20	23.29	23
15	16QAM	36	0	21.44	21.53	21.45	21.54	21.70	
15	16QAM	36	20	21.35	21.51	21.50	21.55	21.71	
15	16QAM	36	39	21.43	21.38	21.47	21.53	21.61	22.5
15	16QAM	75	0	21.40	21.52	21.53	21.52	21.62	
15	64QAM	1	0	21.52	21.55	21.39	21.52	21.61	
15	64QAM	1	37	21.29	21.39	21.32	21.37	21.38	20.5
15	64QAM	1	74	21.32	21.45	21.40	21.40	21.41	
15	64QAM	36	0	19.56	19.65	19.65	19.75	19.83	
15	64QAM	36	20	19.48	19.56	19.59	19.71	19.79	20.5
15	64QAM	36	39	19.54	19.58	19.54	19.65	19.73	



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15	64QAM	75	0	19.59	19.56	19.54	19.71	19.70	
15	256QAM	1	0	19.41	19.41	19.45	19.31	19.58	20.5
15	256QAM	1	37	19.11	19.21	19.19	19.23	19.29	
15	256QAM	1	74	19.05	19.12	19.03	19.01	19.15	
15	256QAM	36	0	17.13	17.33	17.23	17.13	17.34	18.5
15	256QAM	36	20	17.56	17.65	17.48	17.47	17.58	
15	256QAM	36	39	17.36	17.45	17.40	17.45	17.58	
15	256QAM	75	0	17.44	17.52	17.53	17.61	17.64	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.11	23.26	23.22	23.22	23.43	24
10	QPSK	1	25	23.03	23.14	23.06	23.12	23.27	
10	QPSK	1	49	23.00	23.07	23.06	23.21	23.23	
10	QPSK	25	0	22.41	22.55	22.52	22.53	22.85	24
10	QPSK	25	12	22.39	22.54	22.47	22.53	22.82	
10	QPSK	25	25	22.37	22.43	22.45	22.53	22.74	
10	QPSK	50	0	22.37	22.47	22.44	22.56	22.59	
10	16QAM	1	0	23.34	23.28	23.23	23.32	23.53	24
10	16QAM	1	25	23.13	23.17	23.11	23.12	23.31	
10	16QAM	1	49	23.22	23.15	23.08	23.26	23.34	
10	16QAM	25	0	21.43	21.54	21.50	21.51	21.69	23
10	16QAM	25	12	21.40	21.41	21.41	21.49	21.67	
10	16QAM	25	25	21.39	21.41	21.44	21.53	21.68	
10	16QAM	50	0	21.45	21.45	21.48	21.57	21.67	
10	64QAM	1	0	21.50	21.53	21.38	21.47	21.58	22.5
10	64QAM	1	25	21.31	21.42	21.31	21.36	21.40	
10	64QAM	1	49	21.37	21.49	21.30	21.38	21.34	
10	64QAM	25	0	19.55	19.61	19.61	19.71	19.86	20.5
10	64QAM	25	12	19.56	19.58	19.56	19.72	19.82	
10	64QAM	25	25	19.53	19.61	19.54	19.66	19.76	
10	64QAM	50	0	19.56	19.58	19.59	19.71	19.73	
10	256QAM	1	0	19.36	19.43	19.41	19.29	19.54	20.5
10	256QAM	1	25	19.16	19.31	19.18	19.24	19.27	
10	256QAM	1	49	19.02	19.03	19.05	18.99	19.10	
10	256QAM	25	0	17.11	17.35	17.18	17.12	17.33	18.5
10	256QAM	25	12	17.53	17.63	17.51	17.47	17.66	
10	256QAM	25	25	17.34	17.48	17.43	17.50	17.58	
10	256QAM	50	0	17.45	17.54	17.56	17.57	17.60	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.12	23.22	23.22	23.23	23.45	24
5	QPSK	1	12	22.97	23.14	23.11	23.18	23.24	
5	QPSK	1	24	23.04	23.13	23.15	23.18	23.26	
5	QPSK	12	0	22.37	22.48	22.45	22.60	22.84	24
5	QPSK	12	7	22.44	22.49	22.42	22.58	22.76	
5	QPSK	12	13	22.36	22.46	22.40	22.48	22.75	
5	QPSK	25	0	22.37	22.45	22.45	22.52	22.61	
5	16QAM	1	0	23.29	23.29	23.24	23.24	23.51	24
5	16QAM	1	12	23.12	23.16	23.13	23.11	23.28	
5	16QAM	1	24	23.15	23.23	23.17	23.25	23.32	
5	16QAM	12	0	21.42	21.47	21.42	21.54	21.64	23
5	16QAM	12	7	21.42	21.45	21.45	21.48	21.65	
5	16QAM	12	13	21.33	21.41	21.40	21.48	21.68	
5	16QAM	25	0	21.45	21.48	21.49	21.53	21.64	
5	64QAM	1	0	21.52	21.62	21.40	21.46	21.55	22.5
5	64QAM	1	12	21.29	21.39	21.26	21.35	21.39	



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5	64QAM	1	24	21.32	21.54	21.37	21.38	21.33	
5	64QAM	12	0	19.63	19.62	19.62	19.71	19.79	20.5
5	64QAM	12	7	19.54	19.58	19.60	19.65	19.77	
5	64QAM	12	13	19.51	19.55	19.54	19.73	19.68	
5	64QAM	25	0	19.57	19.53	19.59	19.64	19.69	
5	256QAM	1	0	19.44	19.42	19.48	19.33	19.54	20.5
5	256QAM	1	12	19.14	19.22	19.20	19.26	19.26	
5	256QAM	1	24	19.04	19.12	19.04	19.00	19.17	
5	256QAM	12	0	17.11	17.27	17.21	17.13	17.39	18.5
5	256QAM	12	7	17.47	17.67	17.51	17.48	17.62	
5	256QAM	12	13	17.37	17.40	17.44	17.48	17.55	
5	256QAM	25	0	17.44	17.49	17.56	17.56	17.58	



TDD LTE Band 41 PC3_TX0 (Index 5/6)

Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.18	23.30	23.24	23.31	23.50	24.3
20	QPSK	1	49	23.06	23.15	23.12	23.20	23.34	
20	QPSK	1	99	23.08	23.16	23.16	23.23	23.32	
20	QPSK	50	0	22.47	22.58	22.53	22.62	22.85	24.3
20	QPSK	50	24	22.46	22.55	22.52	22.59	22.84	
20	QPSK	50	50	22.43	22.50	22.50	22.58	22.82	
20	QPSK	100	0	22.46	22.52	22.51	22.57	22.69	24.3
20	16QAM	1	0	23.38	23.37	23.25	23.32	23.55	
20	16QAM	1	49	23.22	23.21	23.15	23.18	23.37	
20	16QAM	1	99	23.23	23.23	23.17	23.26	23.34	22.8
20	16QAM	50	0	21.47	21.54	21.51	21.59	21.73	
20	16QAM	50	24	21.44	21.51	21.50	21.57	21.73	
20	16QAM	50	50	21.43	21.48	21.49	21.55	21.70	22.3
20	16QAM	100	0	21.47	21.54	21.53	21.57	21.69	
20	64QAM	1	0	21.57	21.55	21.37	21.50	21.55	
20	64QAM	1	49	21.33	21.47	21.36	21.33	21.34	20.3
20	64QAM	1	99	21.29	21.44	21.35	21.42	21.39	
20	64QAM	50	0	19.58	19.61	19.57	19.74	19.80	
20	64QAM	50	24	19.51	19.55	19.64	19.74	19.79	20.3
20	64QAM	50	50	19.55	19.59	19.56	19.67	19.73	
20	64QAM	100	0	19.56	19.58	19.53	19.74	19.66	
20	256QAM	1	0	19.44	19.45	19.48	19.39	19.64	20.3
20	256QAM	1	49	19.20	19.31	19.24	19.26	19.33	
20	256QAM	1	99	19.11	19.13	19.07	19.06	19.20	
20	256QAM	50	0	17.21	17.35	17.24	17.21	17.41	18.3
20	256QAM	50	24	17.56	17.70	17.53	17.49	17.67	
20	256QAM	50	50	17.41	17.50	17.48	17.52	17.65	
20	256QAM	100	0	17.54	17.57	17.59	17.62	17.67	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.13	23.21	23.14	23.31	23.43	24.3
15	QPSK	1	37	23.02	23.07	23.04	23.13	23.30	
15	QPSK	1	74	23.01	23.06	23.13	23.22	23.25	
15	QPSK	36	0	22.44	22.53	22.48	22.57	22.76	24.3
15	QPSK	36	20	22.44	22.45	22.50	22.55	22.75	
15	QPSK	36	39	22.40	22.46	22.46	22.48	22.82	
15	QPSK	75	0	22.45	22.51	22.47	22.47	22.67	24.3
15	16QAM	1	0	23.37	23.36	23.16	23.30	23.50	
15	16QAM	1	37	23.16	23.19	23.08	23.17	23.34	
15	16QAM	1	74	23.13	23.21	23.11	23.20	23.29	22.8
15	16QAM	36	0	21.44	21.53	21.45	21.54	21.70	
15	16QAM	36	20	21.35	21.51	21.50	21.55	21.71	
15	16QAM	36	39	21.43	21.38	21.47	21.53	21.61	22.3
15	16QAM	75	0	21.40	21.52	21.53	21.52	21.62	
15	64QAM	1	0	21.52	21.55	21.39	21.52	21.61	
15	64QAM	1	37	21.29	21.39	21.32	21.37	21.38	20.3
15	64QAM	1	74	21.32	21.45	21.40	21.40	21.41	
15	64QAM	36	0	19.56	19.65	19.65	19.75	19.83	
15	64QAM	36	20	19.48	19.56	19.59	19.71	19.79	20.3
15	64QAM	36	39	19.54	19.58	19.54	19.65	19.73	



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15	64QAM	75	0	19.59	19.56	19.54	19.71	19.70	
15	256QAM	1	0	19.41	19.41	19.45	19.31	19.58	20.3
15	256QAM	1	37	19.11	19.21	19.19	19.23	19.29	
15	256QAM	1	74	19.05	19.12	19.03	19.01	19.15	
15	256QAM	36	0	17.13	17.33	17.23	17.13	17.34	18.3
15	256QAM	36	20	17.56	17.65	17.48	17.47	17.58	
15	256QAM	36	39	17.36	17.45	17.40	17.45	17.58	
15	256QAM	75	0	17.44	17.52	17.53	17.61	17.64	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.11	23.26	23.22	23.22	23.43	24.3
10	QPSK	1	25	23.03	23.14	23.06	23.12	23.27	
10	QPSK	1	49	23.00	23.07	23.06	23.21	23.23	
10	QPSK	25	0	22.41	22.55	22.52	22.53	22.85	24.3
10	QPSK	25	12	22.39	22.54	22.47	22.53	22.82	
10	QPSK	25	25	22.37	22.43	22.45	22.53	22.74	
10	QPSK	50	0	22.37	22.47	22.44	22.56	22.59	
10	16QAM	1	0	23.34	23.28	23.23	23.32	23.53	24.3
10	16QAM	1	25	23.13	23.17	23.11	23.12	23.31	
10	16QAM	1	49	23.22	23.15	23.08	23.26	23.34	
10	16QAM	25	0	21.43	21.54	21.50	21.51	21.69	22.8
10	16QAM	25	12	21.40	21.41	21.41	21.49	21.67	
10	16QAM	25	25	21.39	21.41	21.44	21.53	21.68	
10	16QAM	50	0	21.45	21.45	21.48	21.57	21.67	
10	64QAM	1	0	21.50	21.53	21.38	21.47	21.58	22.3
10	64QAM	1	25	21.31	21.42	21.31	21.36	21.40	
10	64QAM	1	49	21.37	21.49	21.30	21.38	21.34	
10	64QAM	25	0	19.55	19.61	19.61	19.71	19.86	20.3
10	64QAM	25	12	19.56	19.58	19.56	19.72	19.82	
10	64QAM	25	25	19.53	19.61	19.54	19.66	19.76	
10	64QAM	50	0	19.56	19.58	19.59	19.71	19.73	
10	256QAM	1	0	19.36	19.43	19.41	19.29	19.54	20.3
10	256QAM	1	25	19.16	19.31	19.18	19.24	19.27	
10	256QAM	1	49	19.02	19.03	19.05	18.99	19.10	
10	256QAM	25	0	17.11	17.35	17.18	17.12	17.33	18.3
10	256QAM	25	12	17.53	17.63	17.51	17.47	17.66	
10	256QAM	25	25	17.34	17.48	17.43	17.50	17.58	
10	256QAM	50	0	17.45	17.54	17.56	17.57	17.60	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.12	23.22	23.22	23.23	23.45	24.3
5	QPSK	1	12	22.97	23.14	23.11	23.18	23.24	
5	QPSK	1	24	23.04	23.13	23.15	23.18	23.26	
5	QPSK	12	0	22.37	22.48	22.45	22.60	22.84	24.3
5	QPSK	12	7	22.44	22.49	22.42	22.58	22.76	
5	QPSK	12	13	22.36	22.46	22.40	22.48	22.75	
5	QPSK	25	0	22.37	22.45	22.45	22.52	22.61	
5	16QAM	1	0	23.29	23.29	23.24	23.24	23.51	24.3
5	16QAM	1	12	23.12	23.16	23.13	23.11	23.28	
5	16QAM	1	24	23.15	23.23	23.17	23.25	23.32	
5	16QAM	12	0	21.42	21.47	21.42	21.54	21.64	22.8
5	16QAM	12	7	21.42	21.45	21.45	21.48	21.65	
5	16QAM	12	13	21.33	21.41	21.40	21.48	21.68	
5	16QAM	25	0	21.45	21.48	21.49	21.53	21.64	
5	64QAM	1	0	21.52	21.62	21.40	21.46	21.55	22.3
5	64QAM	1	12	21.29	21.39	21.26	21.35	21.39	



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5	64QAM	1	24	21.32	21.54	21.37	21.38	21.33	
5	64QAM	12	0	19.63	19.62	19.62	19.71	19.79	20.3
5	64QAM	12	7	19.54	19.58	19.60	19.65	19.77	
5	64QAM	12	13	19.51	19.55	19.54	19.73	19.68	
5	64QAM	25	0	19.57	19.53	19.59	19.64	19.69	
5	256QAM	1	0	19.44	19.42	19.48	19.33	19.54	20.3
5	256QAM	1	12	19.14	19.22	19.20	19.26	19.26	
5	256QAM	1	24	19.04	19.12	19.04	19.00	19.17	
5	256QAM	12	0	17.11	17.27	17.21	17.13	17.39	18.3
5	256QAM	12	7	17.47	17.67	17.51	17.48	17.62	
5	256QAM	12	13	17.37	17.40	17.44	17.48	17.55	
5	256QAM	25	0	17.44	17.49	17.56	17.56	17.58	



TDD LTE Band 41 PC2_TX0 (Index 1/2/3)

Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.02	26.12	26.12	26.17	26.27	27.5
20	QPSK	1	49	25.93	26.04	26.06	26.07	26.12	
20	QPSK	1	99	25.93	26.01	26.08	26.07	26.11	
20	QPSK	50	0	24.10	24.17	24.19	24.21	24.28	25.5
20	QPSK	50	24	24.09	24.16	24.18	24.20	24.27	
20	QPSK	50	50	24.06	24.12	24.17	24.18	24.22	
20	QPSK	100	0	24.07	24.15	24.15	24.19	24.24	26.5
20	16QAM	1	0	25.53	25.54	25.65	25.51	25.68	
20	16QAM	1	49	25.31	25.40	25.29	25.30	25.47	
20	16QAM	1	99	25.31	25.39	25.33	25.34	25.45	24.5
20	16QAM	50	0	23.12	23.20	23.19	23.24	23.32	
20	16QAM	50	24	23.11	23.19	23.20	23.20	23.27	
20	16QAM	50	50	23.08	23.18	23.18	23.19	23.24	24.5
20	16QAM	100	0	23.08	23.16	23.18	23.20	23.26	
20	64QAM	1	0	23.78	23.78	23.59	23.90	23.98	
20	64QAM	1	49	23.62	23.60	23.82	23.72	23.76	24.5
20	64QAM	1	99	23.51	23.67	23.74	23.76	23.77	
20	64QAM	50	0	21.33	21.36	21.39	21.49	21.49	
20	64QAM	50	24	21.30	21.36	21.40	21.47	21.44	22.5
20	64QAM	50	50	21.28	21.33	21.71	21.45	21.40	
20	64QAM	100	0	21.28	21.33	21.37	21.75	21.45	
20	256QAM	1	0	21.06	21.10	21.15	21.16	21.16	22.5
20	256QAM	1	49	20.81	20.84	20.81	20.85	20.91	
20	256QAM	1	99	20.79	20.79	20.70	20.80	20.80	
20	256QAM	50	0	19.38	19.39	19.39	19.35	19.44	20.5
20	256QAM	50	24	19.33	19.43	19.33	19.38	19.43	
20	256QAM	50	50	19.29	19.25	19.27	19.26	19.35	
20	256QAM	100	0	19.26	19.33	19.34	19.33	19.34	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.94	26.12	26.02	26.07	26.24	27.5
15	QPSK	1	37	25.91	25.95	26.01	25.98	26.02	
15	QPSK	1	74	25.83	25.93	26.08	26.00	26.08	
15	QPSK	36	0	24.07	24.16	24.11	24.15	24.22	25.5
15	QPSK	36	20	24.01	24.15	24.12	24.13	24.21	
15	QPSK	36	39	24.04	24.08	24.14	24.17	24.15	
15	QPSK	75	0	24.07	24.10	24.10	24.11	24.20	26.5
15	16QAM	1	0	25.52	25.49	25.59	25.44	25.60	
15	16QAM	1	37	25.29	25.33	25.26	25.25	25.42	
15	16QAM	1	74	25.22	25.30	25.23	25.32	25.37	24.5
15	16QAM	36	0	23.08	23.11	23.15	23.17	23.26	
15	16QAM	36	20	23.05	23.18	23.10	23.15	23.18	
15	16QAM	36	39	22.99	23.09	23.10	23.11	23.16	24.5
15	16QAM	75	0	23.07	23.15	23.10	23.11	23.21	
15	64QAM	1	0	23.72	23.70	23.58	23.89	23.95	
15	64QAM	1	37	23.56	23.59	23.82	23.66	23.76	24.5
15	64QAM	1	74	23.47	23.66	23.71	23.69	23.77	
15	64QAM	36	0	21.24	21.34	21.34	21.48	21.42	
15	64QAM	36	20	21.22	21.32	21.32	21.41	21.35	22.5
15	64QAM	36	39	21.23	21.23	21.66	21.43	21.33	



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15	64QAM	75	0	21.24	21.25	21.28	21.65	21.44	
15	256QAM	1	0	21.03	21.05	21.09	21.12	21.10	22.5
15	256QAM	1	37	20.78	20.74	20.73	20.76	20.85	
15	256QAM	1	74	20.77	20.73	20.70	20.70	20.73	
15	256QAM	36	0	19.35	19.37	19.31	19.32	19.35	20.5
15	256QAM	36	20	19.24	19.34	19.25	19.34	19.39	
15	256QAM	36	39	19.23	19.19	19.25	19.19	19.30	
15	256QAM	75	0	19.22	19.28	19.29	19.25	19.27	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.97	26.12	26.04	26.17	26.25	27.5
10	QPSK	1	25	25.85	25.99	26.01	26.07	26.10	
10	QPSK	1	49	25.91	26.00	26.02	26.03	26.06	
10	QPSK	25	0	24.02	24.16	24.12	24.13	24.28	25.5
10	QPSK	25	12	24.08	24.09	24.10	24.18	24.27	
10	QPSK	25	25	24.05	24.02	24.15	24.08	24.19	
10	QPSK	50	0	23.99	24.05	24.09	24.11	24.16	
10	16QAM	1	0	25.44	25.51	25.61	25.41	25.60	26.5
10	16QAM	1	25	25.26	25.40	25.27	25.24	25.42	
10	16QAM	1	49	25.25	25.34	25.27	25.34	25.44	
10	16QAM	25	0	23.09	23.15	23.17	23.21	23.30	24.5
10	16QAM	25	12	23.06	23.17	23.12	23.14	23.19	
10	16QAM	25	25	23.08	23.08	23.17	23.17	23.21	
10	16QAM	50	0	22.99	23.06	23.12	23.11	23.23	
10	64QAM	1	0	23.73	23.74	23.50	23.82	23.94	24.5
10	64QAM	1	25	23.62	23.53	23.74	23.65	23.70	
10	64QAM	1	49	23.49	23.58	23.65	23.72	23.68	
10	64QAM	25	0	21.26	21.32	21.33	21.49	21.46	22.5
10	64QAM	25	12	21.29	21.32	21.36	21.39	21.34	
10	64QAM	25	25	21.23	21.27	21.65	21.41	21.31	
10	64QAM	50	0	21.27	21.32	21.30	21.67	21.40	
10	256QAM	1	0	20.96	21.05	21.12	21.12	21.06	22.5
10	256QAM	1	25	20.72	20.74	20.79	20.76	20.83	
10	256QAM	1	49	20.79	20.78	20.68	20.70	20.77	
10	256QAM	25	0	19.34	19.30	19.37	19.30	19.39	20.5
10	256QAM	25	12	19.26	19.34	19.26	19.29	19.35	
10	256QAM	25	25	19.22	19.25	19.20	19.22	19.30	
10	256QAM	50	0	19.21	19.27	19.30	19.24	19.30	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.99	26.04	26.09	26.15	26.20	27.5
5	QPSK	1	12	25.90	25.95	26.01	25.97	26.03	
5	QPSK	1	24	25.89	25.96	25.98	25.98	26.04	
5	QPSK	12	0	24.03	24.12	24.15	24.17	24.24	25.5
5	QPSK	12	7	24.06	24.13	24.18	24.17	24.19	
5	QPSK	12	13	24.05	24.11	24.17	24.10	24.22	
5	QPSK	25	0	23.97	24.12	24.10	24.16	24.24	
5	16QAM	1	0	25.52	25.48	25.62	25.41	25.68	26.5
5	16QAM	1	12	25.22	25.39	25.21	25.22	25.46	
5	16QAM	1	24	25.23	25.35	25.23	25.26	25.41	
5	16QAM	12	0	23.08	23.19	23.10	23.16	23.32	24.5
5	16QAM	12	7	23.07	23.17	23.19	23.15	23.21	
5	16QAM	12	13	23.07	23.12	23.10	23.18	23.16	
5	16QAM	25	0	23.01	23.07	23.08	23.17	23.25	
5	64QAM	1	0	23.78	23.70	23.58	23.86	23.95	24.5
5	64QAM	1	12	23.59	23.56	23.79	23.66	23.76	



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5	64QAM	1	24	23.46	23.67	23.72	23.71	23.72	
5	64QAM	12	0	21.23	21.34	21.31	21.48	21.40	22.5
5	64QAM	12	7	21.23	21.30	21.33	21.44	21.36	
5	64QAM	12	13	21.21	21.23	21.65	21.44	21.33	
5	64QAM	25	0	21.25	21.33	21.37	21.73	21.37	
5	256QAM	1	0	20.99	21.10	21.06	21.14	21.09	22.5
5	256QAM	1	12	20.78	20.84	20.72	20.78	20.89	
5	256QAM	1	24	20.73	20.75	20.61	20.77	20.71	
5	256QAM	12	0	19.35	19.32	19.35	19.34	19.44	20.5
5	256QAM	12	7	19.27	19.33	19.26	19.35	19.34	
5	256QAM	12	13	19.27	19.16	19.17	19.20	19.26	
5	256QAM	25	0	19.26	19.26	19.33	19.31	19.26	



TDD LTE Band 41 PC2_TX0 (Index 4)

Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.91	24.95	24.95	24.99	25.10	25.6
20	QPSK	1	49	24.80	24.85	24.88	24.89	24.98	
20	QPSK	1	99	24.79	24.86	24.91	24.92	24.97	
20	QPSK	50	0	24.22	24.24	24.23	24.30	24.40	25.6
20	QPSK	50	24	24.18	24.23	24.24	24.28	24.37	
20	QPSK	50	50	24.16	24.21	24.21	24.25	24.34	
20	QPSK	100	0	24.17	24.23	24.22	24.26	24.36	25.6
20	16QAM	1	0	25.24	25.32	25.18	25.21	25.38	
20	16QAM	1	49	25.09	25.16	25.05	25.07	25.15	
20	16QAM	1	99	25.10	25.22	25.14	25.15	25.30	24.1
20	16QAM	50	0	23.19	23.26	23.24	23.30	23.39	
20	16QAM	50	24	23.19	23.22	23.27	23.28	23.37	
20	16QAM	50	50	23.14	23.21	23.22	23.25	23.33	24.1
20	16QAM	100	0	23.20	23.25	23.25	23.29	23.40	
20	64QAM	1	0	23.74	23.75	23.53	23.87	23.88	
20	64QAM	1	49	23.58	23.52	23.78	23.68	23.72	24.1
20	64QAM	1	99	23.44	23.57	23.66	23.72	23.71	
20	64QAM	50	0	21.30	21.30	21.33	21.42	21.48	
20	64QAM	50	24	21.30	21.33	21.37	21.39	21.42	22.1
20	64QAM	50	50	21.23	21.27	21.63	21.44	21.38	
20	64QAM	100	0	21.20	21.27	21.30	21.73	21.44	
20	256QAM	1	0	21.10	21.10	21.20	21.14	21.23	22.1
20	256QAM	1	49	20.91	20.82	20.87	20.78	20.85	
20	256QAM	1	99	20.87	20.72	20.77	20.89	20.71	
20	256QAM	50	0	19.33	19.33	19.45	19.25	19.50	20.1
20	256QAM	50	24	19.41	19.48	19.43	19.42	19.41	
20	256QAM	50	50	19.39	19.30	19.29	19.20	19.45	
20	256QAM	100	0	19.26	19.30	19.36	19.27	19.41	20.1
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	24.82	24.94	24.93	24.97	25.09	25.6
15	QPSK	1	37	24.78	24.81	24.84	24.80	24.89	
15	QPSK	1	74	24.75	24.85	24.82	24.88	24.93	
15	QPSK	36	0	24.17	24.17	24.17	24.22	24.39	25.6
15	QPSK	36	20	24.14	24.18	24.16	24.25	24.33	
15	QPSK	36	39	24.15	24.21	24.11	24.16	24.31	
15	QPSK	75	0	24.17	24.15	24.22	24.19	24.26	25.6
15	16QAM	1	0	25.16	25.30	25.16	25.21	25.28	
15	16QAM	1	37	25.09	25.12	25.03	25.03	25.06	
15	16QAM	1	74	25.07	25.22	25.04	25.15	25.20	25.6
15	16QAM	36	0	23.10	23.17	23.19	23.30	23.33	
15	16QAM	36	20	23.18	23.14	23.19	23.21	23.33	
15	16QAM	36	39	23.11	23.14	23.22	23.18	23.28	24.1
15	16QAM	75	0	23.15	23.16	23.25	23.19	23.31	
15	64QAM	1	0	23.69	23.78	23.55	23.81	23.90	
15	64QAM	1	37	23.55	23.56	23.80	23.63	23.68	24.1
15	64QAM	1	74	23.43	23.62	23.71	23.73	23.75	
15	64QAM	36	0	21.32	21.31	21.38	21.43	21.49	
15	64QAM	36	20	21.27	21.33	21.37	21.46	21.35	22.1
15	64QAM	36	39	21.26	21.33	21.70	21.40	21.35	



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15	64QAM	75	0	21.26	21.30	21.33	21.74	21.43	
15	256QAM	1	0	21.08	21.01	21.19	21.13	21.18	22.1
15	256QAM	1	37	20.87	20.76	20.87	20.77	20.75	
15	256QAM	1	74	20.79	20.69	20.68	20.87	20.71	
15	256QAM	36	0	19.31	19.24	19.35	19.19	19.47	20.1
15	256QAM	36	20	19.36	19.41	19.34	19.41	19.40	
15	256QAM	36	39	19.33	19.20	19.29	19.12	19.45	
15	256QAM	75	0	19.19	19.25	19.28	19.23	19.34	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.87	24.87	24.86	24.91	25.09	25.6
10	QPSK	1	25	24.73	24.78	24.82	24.87	24.91	
10	QPSK	1	49	24.77	24.80	24.91	24.82	24.96	
10	QPSK	25	0	24.15	24.22	24.19	24.29	24.30	25.6
10	QPSK	25	12	24.10	24.13	24.23	24.23	24.32	
10	QPSK	25	25	24.09	24.13	24.14	24.20	24.30	
10	QPSK	50	0	24.12	24.20	24.17	24.17	24.35	
10	16QAM	1	0	25.16	25.31	25.12	25.20	25.33	25.6
10	16QAM	1	25	25.05	25.08	25.04	25.02	25.07	
10	16QAM	1	49	25.08	25.22	25.14	25.07	25.26	
10	16QAM	25	0	23.10	23.19	23.15	23.24	23.30	24.1
10	16QAM	25	12	23.16	23.16	23.17	23.20	23.27	
10	16QAM	25	25	23.12	23.21	23.15	23.16	23.29	
10	16QAM	50	0	23.15	23.16	23.20	23.22	23.40	
10	64QAM	1	0	23.75	23.76	23.58	23.84	23.92	24.1
10	64QAM	1	25	23.61	23.54	23.78	23.70	23.67	
10	64QAM	1	49	23.47	23.63	23.66	23.68	23.69	
10	64QAM	25	0	21.31	21.33	21.33	21.46	21.48	22.1
10	64QAM	25	12	21.21	21.34	21.36	21.42	21.44	
10	64QAM	25	25	21.24	21.31	21.65	21.38	21.40	
10	64QAM	50	0	21.24	21.30	21.34	21.71	21.36	
10	256QAM	1	0	21.02	21.03	21.15	21.06	21.22	22.1
10	256QAM	1	25	20.81	20.72	20.83	20.78	20.84	
10	256QAM	1	49	20.81	20.72	20.71	20.81	20.62	
10	256QAM	25	0	19.31	19.32	19.43	19.24	19.43	20.1
10	256QAM	25	12	19.35	19.41	19.34	19.39	19.40	
10	256QAM	25	25	19.31	19.26	19.21	19.14	19.39	
10	256QAM	50	0	19.18	19.20	19.31	19.17	19.40	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.83	24.92	24.87	24.99	25.08	25.6
5	QPSK	1	12	24.77	24.76	24.85	24.85	24.92	
5	QPSK	1	24	24.72	24.81	24.83	24.91	24.88	
5	QPSK	12	0	24.20	24.24	24.19	24.25	24.40	25.6
5	QPSK	12	7	24.08	24.23	24.16	24.20	24.35	
5	QPSK	12	13	24.09	24.18	24.12	24.20	24.31	
5	QPSK	25	0	24.09	24.21	24.21	24.26	24.36	
5	16QAM	1	0	25.22	25.22	25.11	25.17	25.31	25.6
5	16QAM	1	12	25.08	25.10	24.99	25.01	25.08	
5	16QAM	1	24	25.04	25.13	25.10	25.08	25.22	
5	16QAM	12	0	23.11	23.26	23.21	23.26	23.33	24.1
5	16QAM	12	7	23.15	23.19	23.18	23.27	23.34	
5	16QAM	12	13	23.13	23.17	23.22	23.17	23.33	
5	16QAM	25	0	23.10	23.19	23.16	23.21	23.30	
5	64QAM	1	0	23.69	23.75	23.50	23.81	23.89	24.1
5	64QAM	1	12	23.60	23.53	23.77	23.65	23.72	



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5	64QAM	1	24	23.51	23.61	23.68	23.70	23.77	
5	64QAM	12	0	21.24	21.30	21.38	21.40	21.44	22.1
5	64QAM	12	7	21.30	21.29	21.35	21.43	21.44	
5	64QAM	12	13	21.25	21.24	21.67	21.45	21.35	
5	64QAM	25	0	21.25	21.28	21.37	21.65	21.43	
5	256QAM	1	0	21.01	21.08	21.16	21.14	21.15	22.1
5	256QAM	1	12	20.89	20.80	20.84	20.76	20.77	
5	256QAM	1	24	20.86	20.69	20.76	20.81	20.66	
5	256QAM	12	0	19.23	19.23	19.40	19.22	19.40	20.1
5	256QAM	12	7	19.33	19.46	19.36	19.38	19.37	
5	256QAM	12	13	19.31	19.24	19.28	19.18	19.39	
5	256QAM	25	0	19.21	19.23	19.26	19.19	19.39	



TDD LTE Band 41 PC2_TX0 (Index 5/6)

Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.91	24.95	24.95	24.99	25.10	25.9
20	QPSK	1	49	24.80	24.85	24.88	24.89	24.98	
20	QPSK	1	99	24.79	24.86	24.91	24.92	24.97	
20	QPSK	50	0	24.22	24.24	24.23	24.30	24.40	25.9
20	QPSK	50	24	24.18	24.23	24.24	24.28	24.37	
20	QPSK	50	50	24.16	24.21	24.21	24.25	24.34	
20	QPSK	100	0	24.17	24.23	24.22	24.26	24.36	25.9
20	16QAM	1	0	25.24	25.32	25.18	25.21	25.38	
20	16QAM	1	49	25.09	25.16	25.05	25.07	25.15	
20	16QAM	1	99	25.10	25.22	25.14	25.15	25.30	24.4
20	16QAM	50	0	23.19	23.26	23.24	23.30	23.39	
20	16QAM	50	24	23.19	23.22	23.27	23.28	23.37	
20	16QAM	50	50	23.14	23.21	23.22	23.25	23.33	24.4
20	16QAM	100	0	23.20	23.25	23.25	23.29	23.40	
20	64QAM	1	0	23.74	23.75	23.53	23.87	23.88	
20	64QAM	1	49	23.58	23.52	23.78	23.68	23.72	24.4
20	64QAM	1	99	23.44	23.57	23.66	23.72	23.71	
20	64QAM	50	0	21.30	21.30	21.33	21.42	21.48	
20	64QAM	50	24	21.30	21.33	21.37	21.39	21.42	22.4
20	64QAM	50	50	21.23	21.27	21.63	21.44	21.38	
20	64QAM	100	0	21.20	21.27	21.30	21.73	21.44	
20	256QAM	1	0	21.10	21.10	21.20	21.14	21.23	22.4
20	256QAM	1	49	20.91	20.82	20.87	20.78	20.85	
20	256QAM	1	99	20.87	20.72	20.77	20.89	20.71	
20	256QAM	50	0	19.33	19.33	19.45	19.25	19.50	20.4
20	256QAM	50	24	19.41	19.48	19.43	19.42	19.41	
20	256QAM	50	50	19.39	19.30	19.29	19.20	19.45	
20	256QAM	100	0	19.26	19.30	19.36	19.27	19.41	
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	24.82	24.94	24.93	24.97	25.09	25.9
15	QPSK	1	37	24.78	24.81	24.84	24.80	24.89	
15	QPSK	1	74	24.75	24.85	24.82	24.88	24.93	
15	QPSK	36	0	24.17	24.17	24.17	24.22	24.39	25.9
15	QPSK	36	20	24.14	24.18	24.16	24.25	24.33	
15	QPSK	36	39	24.15	24.21	24.11	24.16	24.31	
15	QPSK	75	0	24.17	24.15	24.22	24.19	24.26	25.9
15	16QAM	1	0	25.16	25.30	25.16	25.21	25.28	
15	16QAM	1	37	25.09	25.12	25.03	25.03	25.06	
15	16QAM	1	74	25.07	25.22	25.04	25.15	25.20	24.4
15	16QAM	36	0	23.10	23.17	23.19	23.30	23.33	
15	16QAM	36	20	23.18	23.14	23.19	23.21	23.33	
15	16QAM	36	39	23.11	23.14	23.22	23.18	23.28	24.4
15	16QAM	75	0	23.15	23.16	23.25	23.19	23.31	
15	64QAM	1	0	23.69	23.78	23.55	23.81	23.90	
15	64QAM	1	37	23.55	23.56	23.80	23.63	23.68	24.4
15	64QAM	1	74	23.43	23.62	23.71	23.73	23.75	
15	64QAM	36	0	21.32	21.31	21.38	21.43	21.49	
15	64QAM	36	20	21.27	21.33	21.37	21.46	21.35	22.4
15	64QAM	36	39	21.26	21.33	21.70	21.40	21.35	



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15	64QAM	75	0	21.26	21.30	21.33	21.74	21.43	
15	256QAM	1	0	21.08	21.01	21.19	21.13	21.18	22.4
15	256QAM	1	37	20.87	20.76	20.87	20.77	20.75	
15	256QAM	1	74	20.79	20.69	20.68	20.87	20.71	
15	256QAM	36	0	19.31	19.24	19.35	19.19	19.47	20.4
15	256QAM	36	20	19.36	19.41	19.34	19.41	19.40	
15	256QAM	36	39	19.33	19.20	19.29	19.12	19.45	
15	256QAM	75	0	19.19	19.25	19.28	19.23	19.34	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.87	24.87	24.86	24.91	25.09	25.9
10	QPSK	1	25	24.73	24.78	24.82	24.87	24.91	
10	QPSK	1	49	24.77	24.80	24.91	24.82	24.96	
10	QPSK	25	0	24.15	24.22	24.19	24.29	24.30	25.9
10	QPSK	25	12	24.10	24.13	24.23	24.23	24.32	
10	QPSK	25	25	24.09	24.13	24.14	24.20	24.30	
10	QPSK	50	0	24.12	24.20	24.17	24.17	24.35	
10	16QAM	1	0	25.16	25.31	25.12	25.20	25.33	25.9
10	16QAM	1	25	25.05	25.08	25.04	25.02	25.07	
10	16QAM	1	49	25.08	25.22	25.14	25.07	25.26	
10	16QAM	25	0	23.10	23.19	23.15	23.24	23.30	24.4
10	16QAM	25	12	23.16	23.16	23.17	23.20	23.27	
10	16QAM	25	25	23.12	23.21	23.15	23.16	23.29	
10	16QAM	50	0	23.15	23.16	23.20	23.22	23.40	
10	64QAM	1	0	23.75	23.76	23.58	23.84	23.92	24.4
10	64QAM	1	25	23.61	23.54	23.78	23.70	23.67	
10	64QAM	1	49	23.47	23.63	23.66	23.68	23.69	
10	64QAM	25	0	21.31	21.33	21.33	21.46	21.48	22.4
10	64QAM	25	12	21.21	21.34	21.36	21.42	21.44	
10	64QAM	25	25	21.24	21.31	21.65	21.38	21.40	
10	64QAM	50	0	21.24	21.30	21.34	21.71	21.36	
10	256QAM	1	0	21.02	21.03	21.15	21.06	21.22	22.4
10	256QAM	1	25	20.81	20.72	20.83	20.78	20.84	
10	256QAM	1	49	20.81	20.72	20.71	20.81	20.62	
10	256QAM	25	0	19.31	19.32	19.43	19.24	19.43	20.4
10	256QAM	25	12	19.35	19.41	19.34	19.39	19.40	
10	256QAM	25	25	19.31	19.26	19.21	19.14	19.39	
10	256QAM	50	0	19.18	19.20	19.31	19.17	19.40	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.83	24.92	24.87	24.99	25.08	25.90
5	QPSK	1	12	24.77	24.76	24.85	24.85	24.92	
5	QPSK	1	24	24.72	24.81	24.83	24.91	24.88	
5	QPSK	12	0	24.20	24.24	24.19	24.25	24.40	25.9
5	QPSK	12	7	24.08	24.23	24.16	24.20	24.35	
5	QPSK	12	13	24.09	24.18	24.12	24.20	24.31	
5	QPSK	25	0	24.09	24.21	24.21	24.26	24.36	
5	16QAM	1	0	25.22	25.22	25.11	25.17	25.31	25.9
5	16QAM	1	12	25.08	25.10	24.99	25.01	25.08	
5	16QAM	1	24	25.04	25.13	25.10	25.08	25.22	
5	16QAM	12	0	23.11	23.26	23.21	23.26	23.33	24.4
5	16QAM	12	7	23.15	23.19	23.18	23.27	23.34	
5	16QAM	12	13	23.13	23.17	23.22	23.17	23.33	
5	16QAM	25	0	23.10	23.19	23.16	23.21	23.30	
5	64QAM	1	0	23.69	23.75	23.50	23.81	23.89	24.4
5	64QAM	1	12	23.60	23.53	23.77	23.65	23.72	



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5	64QAM	1	24	23.51	23.61	23.68	23.70	23.77	
5	64QAM	12	0	21.24	21.30	21.38	21.40	21.44	22.4
5	64QAM	12	7	21.30	21.29	21.35	21.43	21.44	
5	64QAM	12	13	21.25	21.24	21.67	21.45	21.35	
5	64QAM	25	0	21.25	21.28	21.37	21.65	21.43	
5	256QAM	1	0	21.01	21.08	21.16	21.14	21.15	22.4
5	256QAM	1	12	20.89	20.80	20.84	20.76	20.77	
5	256QAM	1	24	20.86	20.69	20.76	20.81	20.66	
5	256QAM	12	0	19.23	19.23	19.40	19.22	19.40	20.4
5	256QAM	12	7	19.33	19.46	19.36	19.38	19.37	
5	256QAM	12	13	19.31	19.24	19.28	19.18	19.39	
5	256QAM	25	0	19.21	19.23	19.26	19.19	19.39	



TDD LTE Band 41 PC3_TX1 (Index 1/2/3)

Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.13	24.17	23.97	23.92	24.15	25.2
20	QPSK	1	49	23.99	24.05	23.84	23.80	24.00	
20	QPSK	1	99	23.99	24.05	23.85	23.85	23.97	
20	QPSK	50	0	22.09	22.13	21.91	21.91	22.09	23.2
20	QPSK	50	24	22.06	22.12	21.89	21.89	22.06	
20	QPSK	50	50	22.04	22.12	21.90	21.88	22.05	
20	QPSK	100	0	22.04	22.13	21.88	21.90	22.02	24.2
20	16QAM	1	0	23.13	23.17	23.12	23.06	23.30	
20	16QAM	1	49	22.97	23.03	22.96	22.97	23.12	
20	16QAM	1	99	22.99	23.08	22.92	23.02	23.13	22.2
20	16QAM	50	0	21.10	21.12	20.89	20.86	21.08	
20	16QAM	50	24	21.07	21.10	20.89	20.88	21.05	
20	16QAM	50	50	21.04	21.08	20.86	20.87	21.01	22.2
20	16QAM	100	0	21.08	21.12	20.90	20.90	21.04	
20	64QAM	1	0	21.29	21.14	20.76	20.60	20.89	
20	64QAM	1	49	21.10	21.04	20.56	20.52	20.78	22.2
20	64QAM	1	99	21.12	21.02	20.63	20.64	20.83	
20	64QAM	50	0	19.25	19.19	18.90	18.87	19.06	
20	64QAM	50	24	19.20	19.21	18.90	18.85	19.02	20.2
20	64QAM	50	50	19.16	19.19	18.87	18.83	19.01	
20	64QAM	100	0	19.21	19.22	18.89	18.83	19.00	
20	256QAM	1	0	18.71	18.72	18.64	18.62	18.71	20.2
20	256QAM	1	49	18.67	18.69	18.68	18.63	18.59	
20	256QAM	1	99	18.52	18.62	18.55	18.57	18.57	
20	256QAM	50	0	16.95	17.01	16.93	16.99	16.96	18.2
20	256QAM	50	24	16.91	16.95	16.94	16.85	16.86	
20	256QAM	50	50	16.93	16.96	16.94	16.92	16.96	
20	256QAM	100	0	16.91	16.97	16.96	16.92	16.95	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.05	24.08	23.87	23.84	24.05	25.2
15	QPSK	1	37	23.99	24.02	23.83	23.73	23.96	
15	QPSK	1	74	23.89	24.03	23.79	23.80	23.92	
15	QPSK	36	0	22.01	22.06	21.87	21.84	22.07	23.2
15	QPSK	36	20	22.01	22.04	21.88	21.86	22.06	
15	QPSK	36	39	22.03	22.09	21.80	21.84	21.96	
15	QPSK	75	0	21.95	22.08	21.79	21.88	21.96	24.2
15	16QAM	1	0	23.04	23.09	23.12	23.03	23.23	
15	16QAM	1	37	22.90	23.01	22.94	22.90	23.09	
15	16QAM	1	74	22.97	23.00	22.91	22.92	23.11	22.2
15	16QAM	36	0	21.07	21.09	20.83	20.84	21.07	
15	16QAM	36	20	21.05	21.03	20.88	20.87	20.99	
15	16QAM	36	39	20.96	21.02	20.78	20.77	20.99	22.2
15	16QAM	75	0	21.06	21.10	20.81	20.83	20.95	
15	64QAM	1	0	21.24	21.10	20.68	20.60	20.85	
15	64QAM	1	37	21.01	20.98	20.48	20.42	20.69	22.2
15	64QAM	1	74	21.10	20.99	20.53	20.61	20.76	
15	64QAM	36	0	19.22	19.12	18.82	18.85	19.06	
15	64QAM	36	20	19.12	19.12	18.81	18.85	19.02	20.2
15	64QAM	36	39	19.07	19.10	18.84	18.78	18.95	



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15	64QAM	75	0	19.11	19.22	18.79	18.74	18.92	
15	256QAM	1	0	18.70	18.70	18.55	18.61	18.65	20.2
15	256QAM	1	37	18.65	18.66	18.64	18.55	18.55	
15	256QAM	1	74	18.44	18.53	18.53	18.47	18.51	
15	256QAM	36	0	16.86	16.95	16.85	16.91	16.86	18.2
15	256QAM	36	20	16.82	16.95	16.85	16.77	16.80	
15	256QAM	36	39	16.91	16.96	16.87	16.92	16.92	
15	256QAM	75	0	16.81	16.88	16.96	16.85	16.89	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.04	24.08	23.92	23.89	24.08	25.2
10	QPSK	1	25	23.89	23.98	23.83	23.75	23.91	
10	QPSK	1	49	23.91	23.96	23.76	23.83	23.92	
10	QPSK	25	0	22.09	22.13	21.91	21.86	22.09	23.2
10	QPSK	25	12	21.97	22.07	21.83	21.85	21.96	
10	QPSK	25	25	22.01	22.11	21.84	21.84	21.97	
10	QPSK	50	0	21.95	22.10	21.80	21.80	21.98	
10	16QAM	1	0	23.05	23.07	23.12	23.06	23.28	24.2
10	16QAM	1	25	22.87	23.02	22.87	22.96	23.09	
10	16QAM	1	49	22.91	23.01	22.87	22.92	23.08	
10	16QAM	25	0	21.05	21.04	20.88	20.82	20.98	22.2
10	16QAM	25	12	20.98	21.02	20.88	20.79	20.95	
10	16QAM	25	25	21.00	21.07	20.86	20.87	21.01	
10	16QAM	50	0	21.04	21.09	20.84	20.83	20.97	
10	64QAM	1	0	21.20	21.14	20.76	20.57	20.81	22.2
10	64QAM	1	25	21.07	20.94	20.46	20.52	20.69	
10	64QAM	1	49	21.08	20.96	20.59	20.64	20.73	
10	64QAM	25	0	19.18	19.18	18.86	18.87	18.98	20.2
10	64QAM	25	12	19.20	19.11	18.82	18.82	18.96	
10	64QAM	25	25	19.10	19.16	18.86	18.82	18.98	
10	64QAM	50	0	19.18	19.21	18.88	18.80	18.93	
10	256QAM	1	0	18.65	18.62	18.57	18.56	18.71	20.2
10	256QAM	1	25	18.60	18.69	18.68	18.59	18.50	
10	256QAM	1	49	18.48	18.61	18.53	18.56	18.51	
10	256QAM	25	0	16.94	16.98	16.88	16.94	16.88	18.2
10	256QAM	25	12	16.86	16.87	16.94	16.83	16.77	
10	256QAM	25	25	16.92	16.92	16.92	16.92	16.96	
10	256QAM	50	0	16.82	16.89	16.94	16.85	16.89	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.03	24.13	23.90	23.84	24.08	25.2
5	QPSK	1	12	23.94	24.05	23.84	23.79	23.94	
5	QPSK	1	24	23.95	23.96	23.81	23.83	23.90	
5	QPSK	12	0	22.05	22.07	21.83	21.84	22.00	23.2
5	QPSK	12	7	22.04	22.06	21.85	21.87	22.02	
5	QPSK	12	13	22.01	22.12	21.90	21.88	21.98	
5	QPSK	25	0	21.97	22.07	21.81	21.85	21.97	
5	16QAM	1	0	23.07	23.15	23.09	23.06	23.29	24.2
5	16QAM	1	12	22.96	22.93	22.88	22.97	23.07	
5	16QAM	1	24	22.91	23.01	22.89	22.94	23.12	
5	16QAM	12	0	21.02	21.05	20.85	20.85	21.05	22.2
5	16QAM	12	7	21.01	21.02	20.89	20.86	20.96	
5	16QAM	12	13	21.01	21.07	20.84	20.84	21.01	
5	16QAM	25	0	21.06	21.03	20.90	20.83	20.99	
5	64QAM	1	0	21.22	21.12	20.73	20.57	20.81	22.2
5	64QAM	1	12	21.04	20.94	20.46	20.46	20.77	



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5	64QAM	1	24	21.08	20.99	20.60	20.56	20.77	
5	64QAM	12	0	19.17	19.09	18.86	18.77	19.06	20.2
5	64QAM	12	7	19.13	19.14	18.80	18.83	19.02	
5	64QAM	12	13	19.07	19.10	18.78	18.82	18.91	
5	64QAM	25	0	19.14	19.18	18.82	18.75	18.95	
5	256QAM	1	0	18.67	18.69	18.64	18.60	18.65	20.2
5	256QAM	1	12	18.62	18.65	18.63	18.53	18.58	
5	256QAM	1	24	18.45	18.61	18.47	18.53	18.54	
5	256QAM	12	0	16.86	17.01	16.88	16.96	16.90	18.2
5	256QAM	12	7	16.81	16.93	16.94	16.85	16.85	
5	256QAM	12	13	16.91	16.95	16.84	16.88	16.94	
5	256QAM	25	0	16.87	16.88	16.96	16.85	16.93	



TDD LTE Band 41 PC3_TX1 (Index 4)

Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.04	23.12	22.87	22.82	23.11	23.3
20	QPSK	1	49	22.89	22.97	22.72	22.72	22.98	
20	QPSK	1	99	22.90	22.99	22.75	22.78	22.96	
20	QPSK	50	0	21.99	22.08	21.81	21.85	22.07	22.8
20	QPSK	50	24	21.98	22.06	21.79	21.83	22.06	
20	QPSK	50	50	21.95	22.02	21.78	21.82	22.05	
20	QPSK	100	0	21.96	22.05	21.77	21.82	22.00	23.3
20	16QAM	1	0	23.16	23.19	23.01	22.83	23.14	
20	16QAM	1	49	23.01	23.02	22.89	22.71	22.96	
20	16QAM	1	99	23.08	23.04	22.92	22.77	22.96	21.8
20	16QAM	50	0	21.00	21.04	20.80	20.78	21.04	
20	16QAM	50	24	21.00	21.02	20.80	20.78	21.04	
20	16QAM	50	50	20.95	21.00	20.78	20.77	21.00	21.8
20	16QAM	100	0	21.02	21.06	20.81	20.82	21.03	
20	64QAM	1	0	21.21	21.13	20.72	20.53	20.85	
20	64QAM	1	49	21.02	20.98	20.51	20.46	20.77	21.8
20	64QAM	1	99	21.05	20.99	20.61	20.57	20.73	
20	64QAM	50	0	19.23	19.13	18.89	18.86	18.97	
20	64QAM	50	24	19.14	19.12	18.87	18.85	18.94	19.8
20	64QAM	50	50	19.08	19.10	18.79	18.74	18.98	
20	64QAM	100	0	19.11	19.20	18.87	18.80	18.95	
20	256QAM	1	0	18.69	18.71	18.62	18.53	18.61	19.8
20	256QAM	1	49	18.58	18.66	18.59	18.57	18.49	
20	256QAM	1	99	18.42	18.55	18.54	18.51	18.56	
20	256QAM	50	0	16.87	16.92	16.84	16.93	16.92	17.8
20	256QAM	50	24	16.90	16.90	16.84	16.87	16.80	
20	256QAM	50	50	16.90	16.93	16.87	16.86	16.91	
20	256QAM	100	0	16.83	16.97	16.87	16.90	16.94	17.8
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	23.04	23.10	22.79	22.73	23.09	23.3
15	QPSK	1	37	22.84	22.93	22.63	22.65	22.88	
15	QPSK	1	74	22.84	22.94	22.66	22.75	22.96	
15	QPSK	36	0	21.92	22.06	21.76	21.75	22.05	22.8
15	QPSK	36	20	21.91	22.05	21.76	21.82	22.00	
15	QPSK	36	39	21.91	21.98	21.73	21.77	21.96	
15	QPSK	75	0	21.93	22.00	21.69	21.80	21.90	23.3
15	16QAM	1	0	23.11	23.10	22.92	22.79	23.05	
15	16QAM	1	37	23.00	22.95	22.83	22.69	22.88	
15	16QAM	1	74	23.03	22.95	22.82	22.73	22.94	21.8
15	16QAM	36	0	20.90	21.04	20.71	20.76	20.96	
15	16QAM	36	20	21.00	21.00	20.77	20.78	20.96	
15	16QAM	36	39	20.85	20.98	20.71	20.75	21.00	21.8
15	16QAM	75	0	20.97	21.01	20.76	20.81	20.94	
15	64QAM	1	0	21.21	21.14	20.73	20.51	20.79	
15	64QAM	1	37	21.02	20.96	20.47	20.51	20.74	21.8
15	64QAM	1	74	21.08	21.00	20.53	20.58	20.81	
15	64QAM	36	0	19.18	19.17	18.86	18.77	18.96	
15	64QAM	36	20	19.16	19.17	18.80	18.77	18.95	19.8
15	64QAM	36	39	19.16	19.19	18.85	18.78	18.91	



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15	64QAM	75	0	19.14	19.19	18.89	18.74	18.99	
15	256QAM	1	0	18.59	18.70	18.62	18.52	18.52	19.8
15	256QAM	1	37	18.50	18.59	18.51	18.49	18.43	
15	256QAM	1	74	18.42	18.50	18.54	18.50	18.56	
15	256QAM	36	0	16.81	16.82	16.81	16.88	16.89	17.8
15	256QAM	36	20	16.80	16.85	16.86	16.85	16.84	
15	256QAM	36	39	16.88	16.93	16.82	16.88	16.82	
15	256QAM	75	0	16.83	16.93	16.89	16.88	16.88	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.97	23.10	22.84	22.77	23.07	23.3
10	QPSK	1	25	22.84	22.94	22.62	22.68	22.98	
10	QPSK	1	49	22.89	22.91	22.68	22.70	22.95	
10	QPSK	25	0	21.93	22.08	21.72	21.76	22.01	22.8
10	QPSK	25	12	21.95	21.97	21.79	21.73	22.01	
10	QPSK	25	25	21.91	22.01	21.75	21.80	22.02	
10	QPSK	50	0	21.96	21.99	21.73	21.76	21.94	
10	16QAM	1	0	23.11	23.14	22.98	22.78	23.08	23.3
10	16QAM	1	25	22.95	22.92	22.88	22.65	22.91	
10	16QAM	1	49	23.03	23.04	22.88	22.75	22.91	
10	16QAM	25	0	20.94	20.98	20.73	20.74	20.99	21.8
10	16QAM	25	12	20.93	20.97	20.78	20.71	20.95	
10	16QAM	25	25	20.89	20.98	20.76	20.76	20.90	
10	16QAM	50	0	20.96	21.05	20.81	20.75	20.93	
10	64QAM	1	0	21.22	21.04	20.69	20.58	20.79	21.8
10	64QAM	1	25	21.03	21.04	20.47	20.44	20.74	
10	64QAM	1	49	21.02	20.96	20.60	20.64	20.82	
10	64QAM	25	0	19.23	19.16	18.85	18.82	19.05	19.8
10	64QAM	25	12	19.10	19.17	18.87	18.80	18.94	
10	64QAM	25	25	19.16	19.15	18.86	18.81	18.97	
10	64QAM	50	0	19.21	19.18	18.80	18.83	18.96	
10	256QAM	1	0	18.67	18.64	18.54	18.48	18.58	19.8
10	256QAM	1	25	18.54	18.64	18.56	18.48	18.41	
10	256QAM	1	49	18.40	18.45	18.49	18.44	18.49	
10	256QAM	25	0	16.82	16.82	16.85	16.87	16.92	17.8
10	256QAM	25	12	16.89	16.85	16.84	16.82	16.80	
10	256QAM	25	25	16.83	16.87	16.82	16.82	16.89	
10	256QAM	50	0	16.89	16.95	16.84	16.83	16.92	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.96	23.10	22.86	22.76	23.10	23.3
5	QPSK	1	12	22.86	22.93	22.63	22.62	22.90	
5	QPSK	1	24	22.86	22.97	22.70	22.72	22.86	
5	QPSK	12	0	21.96	22.03	21.77	21.85	22.01	22.8
5	QPSK	12	7	21.97	22.03	21.71	21.79	22.01	
5	QPSK	12	13	21.92	21.92	21.73	21.76	22.04	
5	QPSK	25	0	21.95	22.04	21.70	21.82	21.92	
5	16QAM	1	0	23.13	23.17	22.93	22.82	23.07	23.3
5	16QAM	1	12	22.94	22.98	22.88	22.71	22.96	
5	16QAM	1	24	23.05	23.04	22.86	22.70	22.96	
5	16QAM	12	0	20.94	20.96	20.80	20.71	20.94	21.8
5	16QAM	12	7	21.00	20.98	20.80	20.70	21.01	
5	16QAM	12	13	20.94	20.93	20.68	20.74	21.00	
5	16QAM	25	0	21.02	21.06	20.72	20.73	20.97	
5	64QAM	1	0	21.25	21.05	20.75	20.54	20.80	21.8
5	64QAM	1	12	21.06	21.02	20.46	20.43	20.69	



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5	64QAM	1	24	21.12	20.93	20.59	20.64	20.77	
5	64QAM	12	0	19.20	19.13	18.82	18.85	19.06	19.8
5	64QAM	12	7	19.20	19.15	18.88	18.85	18.96	
5	64QAM	12	13	19.12	19.10	18.80	18.79	18.96	
5	64QAM	25	0	19.16	19.22	18.89	18.83	18.92	
5	256QAM	1	0	18.64	18.68	18.55	18.47	18.59	19.8
5	256QAM	1	12	18.51	18.61	18.54	18.51	18.45	
5	256QAM	1	24	18.36	18.51	18.44	18.46	18.53	
5	256QAM	12	0	16.87	16.82	16.89	16.84	16.88	17.8
5	256QAM	12	7	16.80	16.83	16.81	16.88	16.86	
5	256QAM	12	13	16.90	16.86	16.87	16.89	16.88	
5	256QAM	25	0	16.80	16.95	16.81	16.88	16.90	



TDD LTE Band 41 PC3_TX1 (Index 5/6)

Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.04	23.12	22.87	22.82	23.11	24.1
20	QPSK	1	49	22.89	22.97	22.72	22.72	22.98	
20	QPSK	1	99	22.90	22.99	22.75	22.78	22.96	
20	QPSK	50	0	21.99	22.08	21.81	21.85	22.07	23.1
20	QPSK	50	24	21.98	22.06	21.79	21.83	22.06	
20	QPSK	50	50	21.95	22.02	21.78	21.82	22.05	
20	QPSK	100	0	21.96	22.05	21.77	21.82	22.00	24.1
20	16QAM	1	0	23.16	23.19	23.01	22.83	23.14	
20	16QAM	1	49	23.01	23.02	22.89	22.71	22.96	
20	16QAM	1	99	23.08	23.04	22.92	22.77	22.96	22.1
20	16QAM	50	0	21.00	21.04	20.80	20.78	21.04	
20	16QAM	50	24	21.00	21.02	20.80	20.78	21.04	
20	16QAM	50	50	20.95	21.00	20.78	20.77	21.00	22.1
20	16QAM	100	0	21.02	21.06	20.81	20.82	21.03	
20	64QAM	1	0	21.21	21.13	20.72	20.53	20.85	
20	64QAM	1	49	21.02	20.98	20.51	20.46	20.77	22.1
20	64QAM	1	99	21.05	20.99	20.61	20.57	20.73	
20	64QAM	50	0	19.23	19.13	18.89	18.86	18.97	
20	64QAM	50	24	19.14	19.12	18.87	18.85	18.94	20.1
20	64QAM	50	50	19.08	19.10	18.79	18.74	18.98	
20	64QAM	100	0	19.11	19.20	18.87	18.80	18.95	
20	256QAM	1	0	18.69	18.71	18.62	18.53	18.61	20.1
20	256QAM	1	49	18.58	18.66	18.59	18.57	18.49	
20	256QAM	1	99	18.42	18.55	18.54	18.51	18.56	
20	256QAM	50	0	16.87	16.92	16.84	16.93	16.92	18.1
20	256QAM	50	24	16.90	16.90	16.84	16.87	16.80	
20	256QAM	50	50	16.90	16.93	16.87	16.86	16.91	
20	256QAM	100	0	16.83	16.97	16.87	16.90	16.94	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.04	23.10	22.79	22.73	23.09	24.1
15	QPSK	1	37	22.84	22.93	22.63	22.65	22.88	
15	QPSK	1	74	22.84	22.94	22.66	22.75	22.96	
15	QPSK	36	0	21.92	22.06	21.76	21.75	22.05	23.1
15	QPSK	36	20	21.91	22.05	21.76	21.82	22.00	
15	QPSK	36	39	21.91	21.98	21.73	21.77	21.96	
15	QPSK	75	0	21.93	22.00	21.69	21.80	21.90	24.1
15	16QAM	1	0	23.11	23.10	22.92	22.79	23.05	
15	16QAM	1	37	23.00	22.95	22.83	22.69	22.88	
15	16QAM	1	74	23.03	22.95	22.82	22.73	22.94	22.1
15	16QAM	36	0	20.90	21.04	20.71	20.76	20.96	
15	16QAM	36	20	21.00	21.00	20.77	20.78	20.96	
15	16QAM	36	39	20.85	20.98	20.71	20.75	21.00	22.1
15	16QAM	75	0	20.97	21.01	20.76	20.81	20.94	
15	64QAM	1	0	21.21	21.14	20.73	20.51	20.79	
15	64QAM	1	37	21.02	20.96	20.47	20.51	20.74	22.1
15	64QAM	1	74	21.08	21.00	20.53	20.58	20.81	
15	64QAM	36	0	19.18	19.17	18.86	18.77	18.96	
15	64QAM	36	20	19.16	19.17	18.80	18.77	18.95	20.1
15	64QAM	36	39	19.16	19.19	18.85	18.78	18.91	



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15	64QAM	75	0	19.14	19.19	18.89	18.74	18.99	
15	256QAM	1	0	18.59	18.70	18.62	18.52	18.52	20.1
15	256QAM	1	37	18.50	18.59	18.51	18.49	18.43	
15	256QAM	1	74	18.42	18.50	18.54	18.50	18.56	
15	256QAM	36	0	16.81	16.82	16.81	16.88	16.89	18.1
15	256QAM	36	20	16.80	16.85	16.86	16.85	16.84	
15	256QAM	36	39	16.88	16.93	16.82	16.88	16.82	
15	256QAM	75	0	16.83	16.93	16.89	16.88	16.88	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.97	23.10	22.84	22.77	23.07	24.1
10	QPSK	1	25	22.84	22.94	22.62	22.68	22.98	
10	QPSK	1	49	22.89	22.91	22.68	22.70	22.95	
10	QPSK	25	0	21.93	22.08	21.72	21.76	22.01	23.1
10	QPSK	25	12	21.95	21.97	21.79	21.73	22.01	
10	QPSK	25	25	21.91	22.01	21.75	21.80	22.02	
10	QPSK	50	0	21.96	21.99	21.73	21.76	21.94	
10	16QAM	1	0	23.11	23.14	22.98	22.78	23.08	24.1
10	16QAM	1	25	22.95	22.92	22.88	22.65	22.91	
10	16QAM	1	49	23.03	23.04	22.88	22.75	22.91	
10	16QAM	25	0	20.94	20.98	20.73	20.74	20.99	22.1
10	16QAM	25	12	20.93	20.97	20.78	20.71	20.95	
10	16QAM	25	25	20.89	20.98	20.76	20.76	20.90	
10	16QAM	50	0	20.96	21.05	20.81	20.75	20.93	
10	64QAM	1	0	21.22	21.04	20.69	20.58	20.79	22.1
10	64QAM	1	25	21.03	21.04	20.47	20.44	20.74	
10	64QAM	1	49	21.02	20.96	20.60	20.64	20.82	
10	64QAM	25	0	19.23	19.16	18.85	18.82	19.05	20.1
10	64QAM	25	12	19.10	19.17	18.87	18.80	18.94	
10	64QAM	25	25	19.16	19.15	18.86	18.81	18.97	
10	64QAM	50	0	19.21	19.18	18.80	18.83	18.96	
10	256QAM	1	0	18.67	18.64	18.54	18.48	18.58	20.1
10	256QAM	1	25	18.54	18.64	18.56	18.48	18.41	
10	256QAM	1	49	18.40	18.45	18.49	18.44	18.49	
10	256QAM	25	0	16.82	16.82	16.85	16.87	16.92	18.1
10	256QAM	25	12	16.89	16.85	16.84	16.82	16.80	
10	256QAM	25	25	16.83	16.87	16.82	16.82	16.89	
10	256QAM	50	0	16.89	16.95	16.84	16.83	16.92	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.96	23.10	22.86	22.76	23.10	24.1
5	QPSK	1	12	22.86	22.93	22.63	22.62	22.90	
5	QPSK	1	24	22.86	22.97	22.70	22.72	22.86	
5	QPSK	12	0	21.96	22.03	21.77	21.85	22.01	23.1
5	QPSK	12	7	21.97	22.03	21.71	21.79	22.01	
5	QPSK	12	13	21.92	21.92	21.73	21.76	22.04	
5	QPSK	25	0	21.95	22.04	21.70	21.82	21.92	
5	16QAM	1	0	23.13	23.17	22.93	22.82	23.07	24.1
5	16QAM	1	12	22.94	22.98	22.88	22.71	22.96	
5	16QAM	1	24	23.05	23.04	22.86	22.70	22.96	
5	16QAM	12	0	20.94	20.96	20.80	20.71	20.94	22.1
5	16QAM	12	7	21.00	20.98	20.80	20.70	21.01	
5	16QAM	12	13	20.94	20.93	20.68	20.74	21.00	
5	16QAM	25	0	21.02	21.06	20.72	20.73	20.97	
5	64QAM	1	0	21.25	21.05	20.75	20.54	20.80	22.1
5	64QAM	1	12	21.06	21.02	20.46	20.43	20.69	



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5	64QAM	1	24	21.12	20.93	20.59	20.64	20.77	
5	64QAM	12	0	19.20	19.13	18.82	18.85	19.06	20.1
5	64QAM	12	7	19.20	19.15	18.88	18.85	18.96	
5	64QAM	12	13	19.12	19.10	18.80	18.79	18.96	
5	64QAM	25	0	19.16	19.22	18.89	18.83	18.92	
5	256QAM	1	0	18.64	18.68	18.55	18.47	18.59	20.1
5	256QAM	1	12	18.51	18.61	18.54	18.51	18.45	
5	256QAM	1	24	18.36	18.51	18.44	18.46	18.53	
5	256QAM	12	0	16.87	16.82	16.89	16.84	16.88	18.1
5	256QAM	12	7	16.80	16.83	16.81	16.88	16.86	
5	256QAM	12	13	16.90	16.86	16.87	16.89	16.88	
5	256QAM	25	0	16.80	16.95	16.81	16.88	16.90	



TDD LTE Band 41 PC2_TX1 (Index 1/2/3)

Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.74	25.75	25.56	25.50	25.68	27
20	QPSK	1	49	25.64	25.65	25.48	25.42	25.60	
20	QPSK	1	99	25.62	25.65	25.48	25.43	25.59	
20	QPSK	50	0	23.79	23.81	23.62	23.61	23.75	25
20	QPSK	50	24	23.77	23.78	23.59	23.57	23.71	
20	QPSK	50	50	23.73	23.76	23.59	23.56	23.68	
20	QPSK	100	0	23.75	23.78	23.60	23.57	23.71	26
20	16QAM	1	0	25.27	25.19	25.01	25.02	25.27	
20	16QAM	1	49	24.99	24.90	24.76	24.66	24.97	
20	16QAM	1	99	24.99	24.95	24.78	24.71	24.98	24
20	16QAM	50	0	22.82	22.80	22.62	22.59	22.75	
20	16QAM	50	24	22.79	22.77	22.60	22.57	22.73	
20	16QAM	50	50	22.74	22.79	22.59	22.54	22.69	24
20	16QAM	100	0	22.80	22.84	22.65	22.58	22.78	
20	64QAM	1	0	23.24	23.17	23.04	22.87	23.29	
20	64QAM	1	49	23.03	23.10	22.88	22.81	23.04	24
20	64QAM	1	99	23.19	23.16	22.94	23.01	23.05	
20	64QAM	50	0	20.99	20.96	20.70	20.60	20.76	
20	64QAM	50	24	20.94	20.93	20.65	20.58	20.73	22
20	64QAM	50	50	20.93	20.91	20.62	20.58	20.71	
20	64QAM	100	0	20.96	20.93	20.66	20.58	20.73	
20	256QAM	1	0	20.43	20.52	20.50	20.45	20.49	22
20	256QAM	1	49	20.34	20.35	20.26	20.30	20.32	
20	256QAM	1	99	20.32	20.35	20.33	20.34	20.27	
20	256QAM	50	0	18.69	18.70	18.61	18.68	18.69	20
20	256QAM	50	24	18.69	18.69	18.62	18.69	18.59	
20	256QAM	50	50	18.57	18.65	18.64	18.57	18.63	
20	256QAM	100	0	18.55	18.62	18.62	18.61	18.58	
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	25.68	25.74	25.56	25.50	25.60	27
15	QPSK	1	37	25.58	25.64	25.48	25.32	25.60	
15	QPSK	1	74	25.59	25.63	25.42	25.37	25.49	
15	QPSK	36	0	23.78	23.76	23.53	23.57	23.70	25
15	QPSK	36	20	23.72	23.73	23.52	23.53	23.63	
15	QPSK	36	39	23.72	23.69	23.58	23.47	23.64	
15	QPSK	75	0	23.75	23.69	23.55	23.52	23.61	26
15	16QAM	1	0	25.26	25.10	24.99	24.99	25.24	
15	16QAM	1	37	24.95	24.90	24.68	24.59	24.88	
15	16QAM	1	74	24.98	24.89	24.77	24.71	24.91	24
15	16QAM	36	0	22.76	22.80	22.62	22.51	22.69	
15	16QAM	36	20	22.71	22.76	22.50	22.55	22.70	
15	16QAM	36	39	22.73	22.69	22.58	22.44	22.69	24
15	16QAM	75	0	22.70	22.80	22.64	22.51	22.69	
15	64QAM	1	0	23.17	23.12	22.98	22.86	23.21	
15	64QAM	1	37	22.94	23.06	22.86	22.77	22.95	24
15	64QAM	1	74	23.14	23.11	22.93	22.94	22.97	
15	64QAM	36	0	20.90	20.96	20.68	20.52	20.76	
15	64QAM	36	20	20.93	20.87	20.59	20.50	20.65	22
15	64QAM	36	39	20.85	20.88	20.58	20.49	20.65	



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15	64QAM	75	0	20.87	20.84	20.59	20.57	20.72	
15	256QAM	1	0	20.43	20.51	20.50	20.41	20.40	22
15	256QAM	1	37	20.31	20.32	20.19	20.20	20.22	
15	256QAM	1	74	20.25	20.29	20.26	20.27	20.19	
15	256QAM	36	0	18.67	18.66	18.52	18.59	18.63	20
15	256QAM	36	20	18.59	18.61	18.57	18.68	18.51	
15	256QAM	36	39	18.47	18.64	18.62	18.51	18.60	
15	256QAM	75	0	18.55	18.59	18.58	18.59	18.58	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.66	25.70	25.46	25.41	25.66	27
10	QPSK	1	25	25.55	25.56	25.40	25.33	25.51	
10	QPSK	1	49	25.58	25.57	25.47	25.39	25.58	
10	QPSK	25	0	23.77	23.75	23.54	23.61	23.74	25
10	QPSK	25	12	23.75	23.74	23.49	23.55	23.63	
10	QPSK	25	25	23.69	23.66	23.55	23.54	23.58	
10	QPSK	50	0	23.68	23.76	23.59	23.50	23.70	
10	16QAM	1	0	25.25	25.11	24.96	24.95	25.23	26
10	16QAM	1	25	24.95	24.89	24.70	24.63	24.95	
10	16QAM	1	49	24.91	24.93	24.72	24.65	24.94	
10	16QAM	25	0	22.74	22.75	22.55	22.49	22.72	24
10	16QAM	25	12	22.74	22.70	22.53	22.50	22.64	
10	16QAM	25	25	22.70	22.75	22.55	22.51	22.59	
10	16QAM	50	0	22.74	22.77	22.56	22.49	22.78	
10	64QAM	1	0	23.21	23.11	22.97	22.77	23.21	24
10	64QAM	1	25	23.01	23.05	22.88	22.81	22.95	
10	64QAM	1	49	23.09	23.11	22.86	22.95	22.97	
10	64QAM	25	0	20.90	20.93	20.65	20.60	20.72	22
10	64QAM	25	12	20.94	20.93	20.58	20.48	20.66	
10	64QAM	25	25	20.87	20.88	20.55	20.51	20.69	
10	64QAM	50	0	20.91	20.92	20.58	20.56	20.70	
10	256QAM	1	0	20.41	20.42	20.50	20.42	20.48	22
10	256QAM	1	25	20.31	20.32	20.22	20.20	20.26	
10	256QAM	1	49	20.26	20.26	20.30	20.33	20.19	
10	256QAM	25	0	18.64	18.61	18.54	18.61	18.64	20
10	256QAM	25	12	18.65	18.63	18.60	18.63	18.54	
10	256QAM	25	25	18.57	18.65	18.57	18.53	18.60	
10	256QAM	50	0	18.55	18.62	18.52	18.60	18.56	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.67	25.74	25.54	25.48	25.58	27.00
5	QPSK	1	12	25.59	25.62	25.48	25.38	25.54	
5	QPSK	1	24	25.55	25.62	25.43	25.36	25.56	
5	QPSK	12	0	23.70	23.72	23.53	23.53	23.69	25
5	QPSK	12	7	23.67	23.68	23.50	23.49	23.64	
5	QPSK	12	13	23.68	23.68	23.52	23.52	23.64	
5	QPSK	25	0	23.68	23.69	23.51	23.54	23.65	
5	16QAM	1	0	25.20	25.10	24.94	24.95	25.17	26
5	16QAM	1	12	24.91	24.81	24.66	24.56	24.88	
5	16QAM	1	24	24.91	24.90	24.68	24.69	24.96	
5	16QAM	12	0	22.73	22.74	22.55	22.54	22.72	24
5	16QAM	12	7	22.77	22.72	22.51	22.52	22.67	
5	16QAM	12	13	22.64	22.71	22.53	22.44	22.61	
5	16QAM	25	0	22.79	22.79	22.60	22.53	22.77	
5	64QAM	1	0	23.19	23.14	22.95	22.83	23.26	24
5	64QAM	1	12	22.98	23.02	22.79	22.71	22.95	



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5	64QAM	1	24	23.15	23.11	22.85	22.92	22.99	
5	64QAM	12	0	20.94	20.87	20.62	20.58	20.76	22
5	64QAM	12	7	20.88	20.86	20.63	20.56	20.67	
5	64QAM	12	13	20.89	20.85	20.57	20.53	20.63	
5	64QAM	25	0	20.95	20.89	20.60	20.49	20.64	
5	256QAM	1	0	20.42	20.47	20.47	20.44	20.42	22
5	256QAM	1	12	20.34	20.31	20.22	20.26	20.25	
5	256QAM	1	24	20.32	20.29	20.25	20.28	20.23	
5	256QAM	12	0	18.64	18.62	18.55	18.63	18.63	20
5	256QAM	12	7	18.61	18.65	18.56	18.64	18.51	
5	256QAM	12	13	18.51	18.65	18.57	18.50	18.59	
5	256QAM	25	0	18.45	18.55	18.60	18.55	18.53	



TDD LTE Band 41 PC2_TX1 (Index 4)

Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.23	24.24	24.01	23.94	24.17	24.9
20	QPSK	1	49	24.09	24.12	23.93	23.89	24.07	
20	QPSK	1	99	24.06	24.14	23.94	23.91	24.08	
20	QPSK	50	0	23.75	23.78	23.55	23.55	23.72	24.9
20	QPSK	50	24	23.73	23.74	23.53	23.54	23.70	
20	QPSK	50	50	23.70	23.72	23.52	23.53	23.69	
20	QPSK	100	0	23.72	23.74	23.54	23.51	23.69	24.9
20	16QAM	1	0	24.53	24.65	24.35	24.53	24.55	
20	16QAM	1	49	24.34	24.49	24.18	24.10	24.32	
20	16QAM	1	99	24.32	24.40	24.22	24.16	24.34	23.9
20	16QAM	50	0	22.75	22.77	22.57	22.54	22.70	
20	16QAM	50	24	22.71	22.74	22.55	22.52	22.67	
20	16QAM	50	50	22.68	22.72	22.52	22.50	22.66	23.9
20	16QAM	100	0	22.77	22.80	22.56	22.55	22.75	
20	64QAM	1	0	23.19	23.17	23.04	22.78	23.20	
20	64QAM	1	49	22.98	23.05	22.78	22.71	22.97	23.9
20	64QAM	1	99	23.16	23.11	22.86	23.01	22.99	
20	64QAM	50	0	20.99	20.92	20.70	20.53	20.74	
20	64QAM	50	24	20.87	20.88	20.57	20.50	20.72	21.9
20	64QAM	50	50	20.93	20.84	20.53	20.56	20.67	
20	64QAM	100	0	20.87	20.83	20.61	20.53	20.64	
20	256QAM	1	0	20.39	20.49	20.41	20.42	20.39	21.9
20	256QAM	1	49	20.26	20.25	20.23	20.30	20.24	
20	256QAM	1	99	20.31	20.27	20.26	20.32	20.17	
20	256QAM	50	0	18.65	18.69	18.57	18.64	18.60	19.9
20	256QAM	50	24	18.69	18.63	18.62	18.66	18.51	
20	256QAM	50	50	18.48	18.65	18.60	18.50	18.62	
20	256QAM	100	0	18.49	18.57	18.62	18.52	18.49	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.18	24.18	23.95	23.84	24.13	24.9
15	QPSK	1	37	24.08	24.07	23.88	23.81	23.98	
15	QPSK	1	74	24.02	24.13	23.94	23.87	24.06	
15	QPSK	36	0	23.71	23.73	23.48	23.45	23.64	24.9
15	QPSK	36	20	23.68	23.73	23.44	23.46	23.66	
15	QPSK	36	39	23.66	23.72	23.42	23.48	23.59	
15	QPSK	75	0	23.66	23.68	23.52	23.46	23.69	24.9
15	16QAM	1	0	24.45	24.56	24.28	24.46	24.53	
15	16QAM	1	37	24.32	24.43	24.14	24.06	24.32	
15	16QAM	1	74	24.29	24.33	24.13	24.13	24.33	23.9
15	16QAM	36	0	22.74	22.67	22.48	22.51	22.69	
15	16QAM	36	20	22.67	22.67	22.54	22.49	22.57	
15	16QAM	36	39	22.58	22.66	22.51	22.47	22.58	23.9
15	16QAM	75	0	22.76	22.70	22.46	22.45	22.65	
15	64QAM	1	0	23.21	23.07	22.94	22.82	23.28	
15	64QAM	1	37	22.95	23.00	22.85	22.76	23.02	23.9
15	64QAM	1	74	23.10	23.09	22.86	22.98	22.97	
15	64QAM	36	0	20.89	20.86	20.66	20.53	20.66	
15	64QAM	36	20	20.94	20.88	20.57	20.50	20.67	21.9
15	64QAM	36	39	20.84	20.83	20.52	20.58	20.61	



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15	64QAM	75	0	20.94	20.86	20.61	20.56	20.66	
15	256QAM	1	0	20.36	20.49	20.38	20.41	20.30	21.9
15	256QAM	1	37	20.25	20.20	20.16	20.26	20.20	
15	256QAM	1	74	20.29	20.24	20.17	20.27	20.15	
15	256QAM	36	0	18.63	18.64	18.55	18.57	18.52	19.9
15	256QAM	36	20	18.65	18.60	18.59	18.61	18.45	
15	256QAM	36	39	18.48	18.61	18.55	18.48	18.54	
15	256QAM	75	0	18.45	18.50	18.61	18.44	18.44	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.17	24.10	23.95	23.91	24.15	24.9
10	QPSK	1	25	24.07	24.11	23.87	23.88	24.04	
10	QPSK	1	49	23.99	24.06	23.86	23.87	24.03	
10	QPSK	25	0	23.75	23.72	23.49	23.47	23.69	24.9
10	QPSK	25	12	23.65	23.73	23.47	23.48	23.67	
10	QPSK	25	25	23.60	23.71	23.51	23.47	23.64	
10	QPSK	50	0	23.66	23.73	23.46	23.51	23.59	
10	16QAM	1	0	24.46	24.58	24.29	24.52	24.49	24.9
10	16QAM	1	25	24.31	24.45	24.12	24.07	24.24	
10	16QAM	1	49	24.31	24.33	24.15	24.16	24.24	
10	16QAM	25	0	22.69	22.75	22.50	22.54	22.63	23.9
10	16QAM	25	12	22.62	22.69	22.47	22.51	22.59	
10	16QAM	25	25	22.60	22.66	22.50	22.49	22.63	
10	16QAM	50	0	22.67	22.73	22.49	22.45	22.67	
10	64QAM	1	0	23.22	23.07	23.04	22.77	23.23	23.9
10	64QAM	1	25	23.02	23.05	22.85	22.81	23.02	
10	64QAM	1	49	23.15	23.11	22.93	22.94	23.01	
10	64QAM	25	0	20.98	20.89	20.68	20.52	20.71	21.9
10	64QAM	25	12	20.94	20.86	20.56	20.53	20.66	
10	64QAM	25	25	20.92	20.87	20.59	20.50	20.61	
10	64QAM	50	0	20.87	20.85	20.61	20.49	20.68	
10	256QAM	1	0	20.31	20.48	20.35	20.35	20.39	21.9
10	256QAM	1	25	20.19	20.20	20.20	20.26	20.21	
10	256QAM	1	49	20.30	20.17	20.16	20.26	20.13	
10	256QAM	25	0	18.55	18.62	18.49	18.57	18.52	19.9
10	256QAM	25	12	18.65	18.63	18.60	18.57	18.43	
10	256QAM	25	25	18.46	18.63	18.53	18.45	18.62	
10	256QAM	50	0	18.42	18.51	18.57	18.52	18.44	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.23	24.19	24.00	23.84	24.11	24.9
5	QPSK	1	12	24.09	24.07	23.93	23.89	23.98	
5	QPSK	1	24	24.05	24.05	23.87	23.86	23.99	
5	QPSK	12	0	23.65	23.76	23.48	23.53	23.66	24.9
5	QPSK	12	7	23.71	23.67	23.50	23.51	23.67	
5	QPSK	12	13	23.68	23.63	23.50	23.48	23.65	
5	QPSK	25	0	23.63	23.68	23.54	23.50	23.64	
5	16QAM	1	0	24.43	24.64	24.31	24.50	24.45	24.9
5	16QAM	1	12	24.29	24.47	24.14	24.08	24.25	
5	16QAM	1	24	24.27	24.30	24.15	24.13	24.29	
5	16QAM	12	0	22.66	22.68	22.53	22.49	22.62	23.9
5	16QAM	12	7	22.62	22.66	22.45	22.50	22.59	
5	16QAM	12	13	22.66	22.71	22.47	22.44	22.62	
5	16QAM	25	0	22.72	22.75	22.55	22.53	22.67	
5	64QAM	1	0	23.19	23.14	23.00	22.87	23.27	23.9
5	64QAM	1	12	22.94	23.00	22.86	22.77	22.96	



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5	64QAM	1	24	23.19	23.16	22.86	22.91	23.04	
5	64QAM	12	0	20.90	20.92	20.65	20.56	20.70	21.9
5	64QAM	12	7	20.89	20.87	20.56	20.56	20.64	
5	64QAM	12	13	20.88	20.91	20.60	20.56	20.66	
5	64QAM	25	0	20.86	20.93	20.64	20.55	20.67	
5	256QAM	1	0	20.29	20.40	20.41	20.42	20.30	21.9
5	256QAM	1	12	20.20	20.23	20.17	20.25	20.16	
5	256QAM	1	24	20.28	20.25	20.20	20.32	20.16	
5	256QAM	12	0	18.56	18.66	18.57	18.64	18.54	19.9
5	256QAM	12	7	18.67	18.58	18.60	18.65	18.44	
5	256QAM	12	13	18.48	18.56	18.50	18.49	18.52	
5	256QAM	25	0	18.49	18.48	18.60	18.45	18.48	



TDD LTE Band 41 PC2_TX1 (Index 5/6)

Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.23	24.24	24.01	23.94	24.17	25.7
20	QPSK	1	49	24.09	24.12	23.93	23.89	24.07	
20	QPSK	1	99	24.06	24.14	23.94	23.91	24.08	
20	QPSK	50	0	23.75	23.78	23.55	23.55	23.72	24.9
20	QPSK	50	24	23.73	23.74	23.53	23.54	23.70	
20	QPSK	50	50	23.70	23.72	23.52	23.53	23.69	
20	QPSK	100	0	23.72	23.74	23.54	23.51	23.69	24.9
20	16QAM	1	0	24.53	24.65	24.35	24.53	24.55	
20	16QAM	1	49	24.34	24.49	24.18	24.10	24.32	
20	16QAM	1	99	24.32	24.40	24.22	24.16	24.34	23.9
20	16QAM	50	0	22.75	22.77	22.57	22.54	22.70	
20	16QAM	50	24	22.71	22.74	22.55	22.52	22.67	
20	16QAM	50	50	22.68	22.72	22.52	22.50	22.66	23.9
20	16QAM	100	0	22.77	22.80	22.56	22.55	22.75	
20	64QAM	1	0	23.19	23.17	23.04	22.78	23.20	
20	64QAM	1	49	22.98	23.05	22.78	22.71	22.97	23.9
20	64QAM	1	99	23.16	23.11	22.86	23.01	22.99	
20	64QAM	50	0	20.99	20.92	20.70	20.53	20.74	
20	64QAM	50	24	20.87	20.88	20.57	20.50	20.72	21.9
20	64QAM	50	50	20.93	20.84	20.53	20.56	20.67	
20	64QAM	100	0	20.87	20.83	20.61	20.53	20.64	
20	256QAM	1	0	20.39	20.49	20.41	20.42	20.39	21.9
20	256QAM	1	49	20.26	20.25	20.23	20.30	20.24	
20	256QAM	1	99	20.31	20.27	20.26	20.32	20.17	
20	256QAM	50	0	18.65	18.69	18.57	18.64	18.60	19.9
20	256QAM	50	24	18.69	18.63	18.62	18.66	18.51	
20	256QAM	50	50	18.48	18.65	18.60	18.50	18.62	
20	256QAM	100	0	18.49	18.57	18.62	18.52	18.49	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.18	24.18	23.95	23.84	24.13	25.7
15	QPSK	1	37	24.08	24.07	23.88	23.81	23.98	
15	QPSK	1	74	24.02	24.13	23.94	23.87	24.06	
15	QPSK	36	0	23.71	23.73	23.48	23.45	23.64	24.9
15	QPSK	36	20	23.68	23.73	23.44	23.46	23.66	
15	QPSK	36	39	23.66	23.72	23.42	23.48	23.59	
15	QPSK	75	0	23.66	23.68	23.52	23.46	23.69	24.9
15	16QAM	1	0	24.45	24.56	24.28	24.46	24.53	
15	16QAM	1	37	24.32	24.43	24.14	24.06	24.32	
15	16QAM	1	74	24.29	24.33	24.13	24.13	24.33	23.9
15	16QAM	36	0	22.74	22.67	22.48	22.51	22.69	
15	16QAM	36	20	22.67	22.67	22.54	22.49	22.57	
15	16QAM	36	39	22.58	22.66	22.51	22.47	22.58	23.9
15	16QAM	75	0	22.76	22.70	22.46	22.45	22.65	
15	64QAM	1	0	23.21	23.07	22.94	22.82	23.28	
15	64QAM	1	37	22.95	23.00	22.85	22.76	23.02	23.9
15	64QAM	1	74	23.10	23.09	22.86	22.98	22.97	
15	64QAM	36	0	20.89	20.86	20.66	20.53	20.66	
15	64QAM	36	20	20.94	20.88	20.57	20.50	20.67	21.9
15	64QAM	36	39	20.84	20.83	20.52	20.58	20.61	



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15	64QAM	75	0	20.94	20.86	20.61	20.56	20.66	
15	256QAM	1	0	20.36	20.49	20.38	20.41	20.30	21.9
15	256QAM	1	37	20.25	20.20	20.16	20.26	20.20	
15	256QAM	1	74	20.29	20.24	20.17	20.27	20.15	
15	256QAM	36	0	18.63	18.64	18.55	18.57	18.52	19.9
15	256QAM	36	20	18.65	18.60	18.59	18.61	18.45	
15	256QAM	36	39	18.48	18.61	18.55	18.48	18.54	
15	256QAM	75	0	18.45	18.50	18.61	18.44	18.44	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.17	24.10	23.95	23.91	24.15	25.7
10	QPSK	1	25	24.07	24.11	23.87	23.88	24.04	
10	QPSK	1	49	23.99	24.06	23.86	23.87	24.03	
10	QPSK	25	0	23.75	23.72	23.49	23.47	23.69	24.9
10	QPSK	25	12	23.65	23.73	23.47	23.48	23.67	
10	QPSK	25	25	23.60	23.71	23.51	23.47	23.64	
10	QPSK	50	0	23.66	23.73	23.46	23.51	23.59	
10	16QAM	1	0	24.46	24.58	24.29	24.52	24.49	24.9
10	16QAM	1	25	24.31	24.45	24.12	24.07	24.24	
10	16QAM	1	49	24.31	24.33	24.15	24.16	24.24	
10	16QAM	25	0	22.69	22.75	22.50	22.54	22.63	23.9
10	16QAM	25	12	22.62	22.69	22.47	22.51	22.59	
10	16QAM	25	25	22.60	22.66	22.50	22.49	22.63	
10	16QAM	50	0	22.67	22.73	22.49	22.45	22.67	
10	64QAM	1	0	23.22	23.07	23.04	22.77	23.23	23.9
10	64QAM	1	25	23.02	23.05	22.85	22.81	23.02	
10	64QAM	1	49	23.15	23.11	22.93	22.94	23.01	
10	64QAM	25	0	20.98	20.89	20.68	20.52	20.71	21.9
10	64QAM	25	12	20.94	20.86	20.56	20.53	20.66	
10	64QAM	25	25	20.92	20.87	20.59	20.50	20.61	
10	64QAM	50	0	20.87	20.85	20.61	20.49	20.68	
10	256QAM	1	0	20.31	20.48	20.35	20.35	20.39	21.9
10	256QAM	1	25	20.19	20.20	20.20	20.26	20.21	
10	256QAM	1	49	20.30	20.17	20.16	20.26	20.13	
10	256QAM	25	0	18.55	18.62	18.49	18.57	18.52	19.9
10	256QAM	25	12	18.65	18.63	18.60	18.57	18.43	
10	256QAM	25	25	18.46	18.63	18.53	18.45	18.62	
10	256QAM	50	0	18.42	18.51	18.57	18.52	18.44	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.23	24.19	24.00	23.84	24.11	25.7
5	QPSK	1	12	24.09	24.07	23.93	23.89	23.98	
5	QPSK	1	24	24.05	24.05	23.87	23.86	23.99	
5	QPSK	12	0	23.65	23.76	23.48	23.53	23.66	24.9
5	QPSK	12	7	23.71	23.67	23.50	23.51	23.67	
5	QPSK	12	13	23.68	23.63	23.50	23.48	23.65	
5	QPSK	25	0	23.63	23.68	23.54	23.50	23.64	
5	16QAM	1	0	24.43	24.64	24.31	24.50	24.45	24.9
5	16QAM	1	12	24.29	24.47	24.14	24.08	24.25	
5	16QAM	1	24	24.27	24.30	24.15	24.13	24.29	
5	16QAM	12	0	22.66	22.68	22.53	22.49	22.62	23.9
5	16QAM	12	7	22.62	22.66	22.45	22.50	22.59	
5	16QAM	12	13	22.66	22.71	22.47	22.44	22.62	
5	16QAM	25	0	22.72	22.75	22.55	22.53	22.67	
5	64QAM	1	0	23.19	23.14	23.00	22.87	23.27	23.9
5	64QAM	1	12	22.94	23.00	22.86	22.77	22.96	



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5	64QAM	1	24	23.19	23.16	22.86	22.91	23.04	
5	64QAM	12	0	20.90	20.92	20.65	20.56	20.70	21.9
5	64QAM	12	7	20.89	20.87	20.56	20.56	20.64	
5	64QAM	12	13	20.88	20.91	20.60	20.56	20.66	
5	64QAM	25	0	20.86	20.93	20.64	20.55	20.67	
5	256QAM	1	0	20.29	20.40	20.41	20.42	20.30	21.9
5	256QAM	1	12	20.20	20.23	20.17	20.25	20.16	
5	256QAM	1	24	20.28	20.25	20.20	20.32	20.16	
5	256QAM	12	0	18.56	18.66	18.57	18.64	18.54	19.9
5	256QAM	12	7	18.67	18.58	18.60	18.65	18.44	
5	256QAM	12	13	18.48	18.56	18.50	18.49	18.52	
5	256QAM	25	0	18.49	18.48	18.60	18.45	18.48	



FDD FR1 n2_TX0 (Index 1/2/3)

Ant 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				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	24.69	24.70	24.65	
20	PI/2 BPSK	1	53	24.67	24.68	24.64	25.7
20	PI/2 BPSK	1	104	24.62	24.47	24.51	
20	PI/2 BPSK	50	0	24.08	24.11	23.95	
20	PI/2 BPSK	50	28	24.55	24.58	24.47	25.7
20	PI/2 BPSK	50	56	24.12	23.99	24.01	25.2
20	PI/2 BPSK	100	0	24.08	24.10	24.02	
20	QPSK	1	1	24.57	24.65	24.58	
20	QPSK	1	53	24.62	24.66	24.49	25.7
20	QPSK	1	104	24.60	24.50	24.44	
20	QPSK	50	0	23.08	23.17	23.13	
20	QPSK	50	28	24.60	24.49	24.48	25.7
20	QPSK	50	56	23.14	23.05	23.10	24.2
20	QPSK	100	0	23.08	23.09	23.12	
20	16QAM	1	1	23.65	23.60	23.60	
20	64QAM	1	1	21.91	22.18	22.14	23.2
20	256QAM	1	1	19.87	20.27	20.55	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	24.62	24.68	24.56	
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	24.67	24.64	24.64	
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	24.67	24.60	24.61	



FDD FR1 n2_TX0 (Index 4/5/6)

Ant 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				372000	376000	380000	22.7
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.10	22.14	22.04	
20	PI/2 BPSK	1	53	22.12	22.19	22.10	22.7
20	PI/2 BPSK	1	104	22.00	22.00	21.93	
20	PI/2 BPSK	50	0	22.08	22.10	22.06	
20	PI/2 BPSK	50	28	21.99	22.06	22.04	22.7
20	PI/2 BPSK	50	56	21.93	22.01	21.93	
20	PI/2 BPSK	100	0	22.05	22.08	21.99	
20	QPSK	1	1	22.04	22.11	22.06	22.7
20	QPSK	1	53	22.06	22.13	22.09	
20	QPSK	1	104	21.96	21.98	21.88	
20	QPSK	50	0	22.07	22.12	22.07	22.7
20	QPSK	50	28	22.06	22.08	22.02	
20	QPSK	50	56	21.91	22.00	21.90	
20	QPSK	100	0	22.02	22.07	22.01	22.7
20	16QAM	1	1	22.13	22.13	22.10	
20	64QAM	1	1	22.09	22.10	22.09	
20	256QAM	1	1	20.20	20.24	20.15	21.2
Channel				371500	376000	380500	22.7
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.08	22.06	22.10	22.7
Channel				371000	376000	381000	22.7
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.07	22.09	22.08	22.7
Channel				370500	376000	381500	22.7
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.13	22.09	22.10	22.7



FDD FR1 n2_TX1 (Index 1/2/3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	24.00	24.03	23.91	
20	PI/2 BPSK	1	53	23.97	24.02	23.90	25.2
20	PI/2 BPSK	1	104	23.73	23.81	23.70	24.7
20	PI/2 BPSK	50	0	23.37	23.46	23.34	
20	PI/2 BPSK	50	28	23.89	23.93	23.86	
20	PI/2 BPSK	50	56	23.28	23.34	23.25	24.7
20	PI/2 BPSK	100	0	23.32	23.36	23.29	
20	QPSK	1	1	23.93	24.02	23.90	
20	QPSK	1	53	23.99	24.01	23.96	25.2
20	QPSK	1	104	23.69	23.81	23.66	23.7
20	QPSK	50	0	22.42	22.48	22.39	
20	QPSK	50	28	23.90	23.97	23.87	
20	QPSK	50	56	22.30	22.39	22.27	23.7
20	QPSK	100	0	22.41	22.43	22.38	
20	16QAM	1	1	22.95	23.07	22.92	
20	64QAM	1	1	21.37	21.49	21.34	22.7
20	256QAM	1	1	19.41	19.52	19.38	20.7
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.91	23.93	23.88	25.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.93	24.01	23.85	25.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.98	23.94	23.82	25.2



FDD FR1 n2_TX1 (Index 4/5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	23.6
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.43	22.45	22.40	
20	PI/2 BPSK	1	53	22.33	22.40	22.34	23.6
20	PI/2 BPSK	1	104	22.06	22.15	22.12	
20	PI/2 BPSK	50	0	22.28	22.31	22.28	
20	PI/2 BPSK	50	28	22.30	22.32	22.29	23.6
20	PI/2 BPSK	50	56	22.15	22.23	22.14	
20	PI/2 BPSK	100	0	22.19	22.28	22.27	
20	QPSK	1	1	22.36	22.43	22.36	23.6
20	QPSK	1	53	22.32	22.33	22.25	
20	QPSK	1	104	22.08	22.10	22.01	
20	QPSK	50	0	22.20	22.22	22.18	23.6
20	QPSK	50	28	22.17	22.23	22.16	
20	QPSK	50	56	22.15	22.17	22.09	
20	QPSK	100	0	22.21	22.21	22.11	23.6
20	16QAM	1	1	22.37	22.39	22.32	
20	64QAM	1	1	21.33	21.41	21.32	
20	256QAM	1	1	19.40	19.46	19.41	20.6
Channel				371500	376000	380500	23.6
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.33	22.35	22.37	23.6
Channel				371000	376000	381000	
Frequency (MHz)				1855	1880	1905	23.6
10	PI/2 BPSK	1	1	22.33	22.35	22.37	
Channel				370500	376000	381500	23.6
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.42	22.42	22.31	23.6



FDD FR1 n5_TX0 (Index 1/2/3/4/5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.7
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.45	24.55	24.43	
20	PI/2 BPSK	1	53	24.51	24.50	24.54	25.2
20	PI/2 BPSK	1	104	24.46	24.42	24.37	
20	PI/2 BPSK	50	0	23.94	23.92	23.92	
20	PI/2 BPSK	50	28	24.42	24.43	24.41	25.2
20	PI/2 BPSK	50	56	23.91	23.92	23.91	
20	PI/2 BPSK	100	0	23.94	23.93	23.91	
20	QPSK	1	1	24.45	24.43	24.38	25.7
20	QPSK	1	53	24.50	24.53	24.49	
20	QPSK	1	104	24.45	24.41	24.44	
20	QPSK	50	0	23.46	23.44	23.39	24.7
20	QPSK	50	28	24.41	24.41	24.36	25.7
20	QPSK	50	56	23.42	23.40	23.43	24.7
20	QPSK	100	0	23.45	23.43	23.45	
20	16QAM	1	1	23.52	23.45	23.49	
20	64QAM	1	1	21.87	21.85	21.80	23.2
20	256QAM	1	1	19.87	19.84	19.88	21.2
Channel				166300	167300	168300	25.7
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.42	24.35	24.35	25.7
Channel				165800	167300	168800	25.7
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.45	24.37	24.40	25.7
Channel				165300	167300	169300	25.7
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.45	24.42	24.35	25.7



FDD FR1 n5_TX1 (Index 1/4/5/6)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.2
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.10	24.15	24.13	
20	PI/2 BPSK	1	53	24.09	24.13	24.12	24.7
20	PI/2 BPSK	1	104	24.02	24.03	23.99	
20	PI/2 BPSK	50	0	23.53	23.56	23.55	
20	PI/2 BPSK	50	28	24.06	24.07	24.06	24.7
20	PI/2 BPSK	50	56	23.55	23.55	23.53	
20	PI/2 BPSK	100	0	23.55	23.56	23.55	
20	QPSK	1	1	24.02	24.05	24.02	25.2
20	QPSK	1	53	24.09	24.10	24.09	
20	QPSK	1	104	23.98	24.00	23.95	
20	QPSK	50	0	23.05	23.07	23.06	24.2
20	QPSK	50	28	24.05	24.06	24.05	
20	QPSK	50	56	23.05	23.06	23.05	
20	QPSK	100	0	23.05	23.06	23.07	24.2
20	16QAM	1	1	23.08	23.09	23.06	
20	64QAM	1	1	21.30	21.55	21.61	
20	256QAM	1	1	19.31	19.87	19.53	20.7
Channel				166300	167300	168300	25.2
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.07	24.11	24.10	25.2
Channel				165800	167300	168800	25.2
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.10	24.12	24.03	25.2
Channel				165300	167300	169300	25.2
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.07	24.05	24.06	25.2



FDD FR1 n5_TX1 (Index 2)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	24.3
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.49	23.50	23.49	
20	PI/2 BPSK	1	53	23.48	23.49	23.49	24.3
20	PI/2 BPSK	1	104	23.35	23.36	23.33	
20	PI/2 BPSK	50	0	23.33	23.37	23.30	
20	PI/2 BPSK	50	28	23.34	23.39	23.32	24.3
20	PI/2 BPSK	50	56	23.32	23.36	23.26	
20	PI/2 BPSK	100	0	23.35	23.37	23.32	
20	QPSK	1	1	23.48	23.49	23.43	24.3
20	QPSK	1	53	23.38	23.43	23.43	
20	QPSK	1	104	23.33	23.36	23.34	
20	QPSK	50	0	23.25	23.28	23.21	23.8
20	QPSK	50	28	23.30	23.35	23.25	24.3
20	QPSK	50	56	23.19	23.27	23.23	23.8
20	QPSK	100	0	23.21	23.28	23.23	
20	16QAM	1	1	23.02	23.09	23.01	
20	64QAM	1	1	21.77	21.81	21.77	22.3
20	256QAM	1	1	19.85	19.85	19.82	20.3
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.48	23.49	23.50	24.3
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.42	23.49	23.46	24.3
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.46	23.44	23.49	24.3



FDD FR1 n5_TX1 (Index 3)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	23.5
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.49	23.50	23.49	
20	PI/2 BPSK	1	53	23.48	23.49	23.49	23.5
20	PI/2 BPSK	1	104	23.35	23.36	23.33	
20	PI/2 BPSK	50	0	23.33	23.37	23.30	
20	PI/2 BPSK	50	28	23.34	23.39	23.32	23.5
20	PI/2 BPSK	50	56	23.32	23.36	23.26	
20	PI/2 BPSK	100	0	23.35	23.37	23.32	
20	QPSK	1	1	23.48	23.49	23.43	23.5
20	QPSK	1	53	23.38	23.43	23.43	
20	QPSK	1	104	23.33	23.36	23.34	
20	QPSK	50	0	23.25	23.28	23.21	23.5
20	QPSK	50	28	23.30	23.35	23.25	
20	QPSK	50	56	23.19	23.27	23.23	
20	QPSK	100	0	23.21	23.28	23.23	23.5
20	16QAM	1	1	23.02	23.09	23.01	
20	64QAM	1	1	21.77	21.81	21.77	
20	256QAM	1	1	19.85	19.85	19.82	20.0
Channel				166300	167300	168300	23.5
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.48	23.49	23.50	23.5
Channel				165800	167300	168800	23.5
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.42	23.49	23.46	23.5
Channel				165300	167300	169300	23.5
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.46	23.44	23.49	23.5



FDD FR1 n7_TX0 (Index 1/2)

Ant 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				505000	507000	509000	25.7
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	24.74	24.84	24.79	
50	PI/2 BPSK	1	135	24.75	24.81	24.77	25.2
50	PI/2 BPSK	1	268	24.74	24.81	24.71	
50	PI/2 BPSK	135	0	24.20	24.24	24.21	
50	PI/2 BPSK	135	68	24.69	24.74	24.65	25.2
50	PI/2 BPSK	135	135	24.19	24.24	24.24	
50	PI/2 BPSK	270	0	24.26	24.27	24.17	
50	QPSK	1	1	24.73	24.83	24.76	25.7
50	QPSK	1	135	24.73	24.80	24.78	
50	QPSK	1	268	24.79	24.80	24.79	
50	QPSK	135	0	22.68	22.74	22.70	23.7
50	QPSK	135	68	24.73	24.77	24.67	25.7
50	QPSK	135	135	22.72	22.77	22.70	23.7
50	QPSK	270	0	22.76	22.80	22.77	
50	16QAM	1	1	23.87	23.92	23.92	
50	64QAM	1	1	22.34	22.37	22.36	23.2
50	256QAM	1	1	20.63	20.72	20.64	21.2
Channel				504000	507000	510000	25.7
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	24.66	24.78	24.76	
Channel				503000	507000	511000	25.7
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	24.70	24.82	24.70	
Channel				502500	507000	511500	25.7
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	24.72	24.80	24.70	
Channel				502000	507000	512000	25.7
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	24.65	24.76	24.69	
Channel				501500	507000	512500	25.7
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	24.66	24.83	24.76	
Channel				501000	507000	513000	25.7
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	24.73	24.78	24.76	
Channel				500500	507000	513500	25.7
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	24.66	24.76	24.70	



FDD FR1 n7_TX0 (Index 3)

Ant 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				505000	507000	509000	24.9
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	24.74	24.84	24.79	
50	PI/2 BPSK	1	135	24.75	24.81	24.77	24.9
50	PI/2 BPSK	1	268	24.74	24.81	24.71	
50	PI/2 BPSK	135	0	24.20	24.24	24.21	
50	PI/2 BPSK	135	68	24.69	24.74	24.65	24.9
50	PI/2 BPSK	135	135	24.19	24.24	24.24	
50	PI/2 BPSK	270	0	24.26	24.27	24.17	
50	QPSK	1	1	24.73	24.83	24.76	24.9
50	QPSK	1	135	24.73	24.80	24.78	
50	QPSK	1	268	24.79	24.80	24.79	
50	QPSK	135	0	22.68	22.74	22.70	23.4
50	QPSK	135	68	24.73	24.77	24.67	
50	QPSK	135	135	22.72	22.77	22.70	
50	QPSK	270	0	22.76	22.80	22.77	23.4
50	16QAM	1	1	23.87	23.92	23.92	
50	64QAM	1	1	22.34	22.37	22.36	
50	256QAM	1	1	20.63	20.72	20.64	20.9
Channel				504000	507000	510000	24.9
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	24.66	24.78	24.76	
Channel				503000	507000	511000	24.9
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	24.70	24.82	24.70	
Channel				502500	507000	511500	24.9
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	24.72	24.80	24.70	
Channel				502000	507000	512000	24.9
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	24.65	24.76	24.69	
Channel				501500	507000	512500	24.9
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	24.66	24.83	24.76	
Channel				501000	507000	513000	24.9
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	24.73	24.78	24.76	
Channel				500500	507000	513500	24.9
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	24.66	24.76	24.70	



FDD FR1 n7_TX0 (Index 4)

Ant 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				505000	507000	509000	22.0
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	21.38	21.40	21.30	
50	PI/2 BPSK	1	135	21.31	21.32	21.30	22.0
50	PI/2 BPSK	1	268	21.31	21.31	21.27	
50	PI/2 BPSK	135	0	21.19	21.23	21.13	
50	PI/2 BPSK	135	68	21.20	21.24	21.20	22.0
50	PI/2 BPSK	135	135	21.19	21.23	21.23	22.0
50	PI/2 BPSK	270	0	21.23	21.26	21.24	
50	QPSK	1	1	21.31	21.37	21.27	
50	QPSK	1	135	21.14	21.22	21.17	22.0
50	QPSK	1	268	21.16	21.26	21.16	
50	QPSK	135	0	21.17	21.22	21.21	
50	QPSK	135	68	21.13	21.22	21.19	22.0
50	QPSK	135	135	21.22	21.23	21.18	22.0
50	QPSK	270	0	21.17	21.27	21.20	
50	16QAM	1	1	21.36	21.39	21.31	
50	64QAM	1	1	21.30	21.39	21.35	22.0
50	256QAM	1	1	20.30	20.40	20.37	21.0
Channel				504000	507000	510000	22.0
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	21.30	21.38	21.33	
Channel				503000	507000	511000	22.0
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	21.31	21.27	21.29	
Channel				502500	507000	511500	22.0
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	21.24	21.24	21.22	
Channel				502000	507000	512000	22.0
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.32	21.23	21.22	
Channel				501500	507000	512500	22.0
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.30	21.39	21.34	
Channel				501000	507000	513000	22.0
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.37	21.39	21.38	
Channel				500500	507000	513500	22.0
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.32	21.28	21.29	



FDD FR1 n7_TX0 (Index 5/6)

Ant 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				505000	507000	509000	22.2
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	21.38	21.40	21.30	
50	PI/2 BPSK	1	135	21.31	21.32	21.30	22.2
50	PI/2 BPSK	1	268	21.31	21.31	21.27	
50	PI/2 BPSK	135	0	21.19	21.23	21.13	
50	PI/2 BPSK	135	68	21.20	21.24	21.20	22.2
50	PI/2 BPSK	135	135	21.19	21.23	21.23	22.2
50	PI/2 BPSK	270	0	21.23	21.26	21.24	
50	QPSK	1	1	21.31	21.37	21.27	
50	QPSK	1	135	21.14	21.22	21.17	22.2
50	QPSK	1	268	21.16	21.26	21.16	
50	QPSK	135	0	21.17	21.22	21.21	
50	QPSK	135	68	21.13	21.22	21.19	22.2
50	QPSK	135	135	21.22	21.23	21.18	22.2
50	QPSK	270	0	21.17	21.27	21.20	
50	16QAM	1	1	21.36	21.39	21.31	
50	64QAM	1	1	21.30	21.39	21.35	22.2
50	256QAM	1	1	20.30	20.40	20.37	21.2
Channel				504000	507000	510000	22.2
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	21.30	21.38	21.33	
Channel				503000	507000	511000	22.2
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	21.31	21.27	21.29	
Channel				502500	507000	511500	22.2
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	21.24	21.24	21.22	
Channel				502000	507000	512000	22.2
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.32	21.23	21.22	
Channel				501500	507000	512500	22.2
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.30	21.39	21.34	
Channel				501000	507000	513000	22.2
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.37	21.39	21.38	
Channel				500500	507000	513500	22.2
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.32	21.28	21.29	



FDD FR1 n7_TX1 (Index 1/2/3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	25.2
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	24.30	24.40	24.38	
50	PI/2 BPSK	1	135	24.28	24.38	24.28	24.7
50	PI/2 BPSK	1	268	24.18	24.24	24.14	
50	PI/2 BPSK	135	0	23.69	23.74	23.72	
50	PI/2 BPSK	135	68	24.28	24.28	24.25	25.2
50	PI/2 BPSK	135	135	23.73	23.78	23.68	
50	PI/2 BPSK	270	0	23.77	23.83	23.82	
50	QPSK	1	1	24.32	24.39	24.32	25.2
50	QPSK	1	135	24.24	24.33	24.33	
50	QPSK	1	268	24.20	24.22	24.18	
50	QPSK	135	0	22.21	22.27	22.18	23.2
50	QPSK	135	68	24.30	24.33	24.27	
50	QPSK	135	135	22.26	22.27	22.23	
50	QPSK	270	0	22.33	22.35	22.31	23.2
50	16QAM	1	1	23.39	23.45	23.43	
50	64QAM	1	1	21.67	21.69	21.66	
50	256QAM	1	1	19.84	19.94	19.86	20.7
Channel				504000	507000	510000	25.2
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	24.24	24.38	24.31	
Channel				503000	507000	511000	25.2
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	24.29	24.32	24.34	
Channel				502500	507000	511500	25.2
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	24.20	24.33	24.30	
Channel				502000	507000	512000	25.2
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	24.27	24.33	24.32	
Channel				501500	507000	512500	25.2
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	24.23	24.35	24.32	
Channel				501000	507000	513000	25.2
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	24.26	24.38	24.38	
Channel				500500	507000	513500	25.2
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	24.24	24.35	24.28	



FDD FR1 n7_TX1 (Index 4)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	22.1
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	21.72	21.75	21.74	
50	PI/2 BPSK	1	135	21.70	21.74	21.67	22.1
50	PI/2 BPSK	1	268	21.61	21.61	21.51	
50	PI/2 BPSK	135	0	21.64	21.66	21.65	
50	PI/2 BPSK	135	68	21.65	21.69	21.67	22.1
50	PI/2 BPSK	135	135	21.59	21.67	21.66	
50	PI/2 BPSK	270	0	21.72	21.72	21.66	
50	QPSK	1	1	21.64	21.74	21.66	22.1
50	QPSK	1	135	21.65	21.67	21.67	
50	QPSK	1	268	21.48	21.58	21.48	
50	QPSK	135	0	21.56	21.65	21.63	22.1
50	QPSK	135	68	21.61	21.67	21.66	
50	QPSK	135	135	21.53	21.63	21.62	
50	QPSK	270	0	21.63	21.72	21.69	22.1
50	16QAM	1	1	21.84	21.88	21.86	
50	64QAM	1	1	22.09	22.10	22.05	
50	256QAM	1	1	19.78	19.83	19.78	20.6
Channel				504000	507000	510000	22.1
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	21.69	21.74	21.73	
Channel				503000	507000	511000	22.1
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	21.64	21.74	21.71	
Channel				502500	507000	511500	22.1
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	21.67	21.67	21.73	
Channel				502000	507000	512000	22.1
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.69	21.72	21.68	
Channel				501500	507000	512500	22.1
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.70	21.66	21.64	
Channel				501000	507000	513000	22.1
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.72	21.69	21.67	
Channel				500500	507000	513500	22.1
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.70	21.70	21.69	



FDD FR1 n7_TX1 (Index 5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	22.8
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	21.72	21.75	21.74	
50	PI/2 BPSK	1	135	21.70	21.74	21.67	22.8
50	PI/2 BPSK	1	268	21.61	21.61	21.51	
50	PI/2 BPSK	135	0	21.64	21.66	21.65	
50	PI/2 BPSK	135	68	21.65	21.69	21.67	22.8
50	PI/2 BPSK	135	135	21.59	21.67	21.66	
50	PI/2 BPSK	270	0	21.72	21.72	21.66	
50	QPSK	1	1	21.64	21.74	21.66	22.8
50	QPSK	1	135	21.65	21.67	21.67	
50	QPSK	1	268	21.48	21.58	21.48	
50	QPSK	135	0	21.56	21.65	21.63	22.8
50	QPSK	135	68	21.61	21.67	21.66	
50	QPSK	135	135	21.53	21.63	21.62	
50	QPSK	270	0	21.63	21.72	21.69	22.8
50	16QAM	1	1	21.84	21.88	21.86	
50	64QAM	1	1	22.09	22.10	22.05	
50	256QAM	1	1	19.78	19.83	19.78	20.3
Channel				504000	507000	510000	22.8
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	21.69	21.74	21.73	
Channel				503000	507000	511000	22.8
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	21.64	21.74	21.71	
Channel				502500	507000	511500	22.8
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	21.67	21.67	21.73	
Channel				502000	507000	512000	22.8
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.69	21.72	21.68	
Channel				501500	507000	512500	22.8
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.70	21.66	21.64	
Channel				501000	507000	513000	22.8
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.72	21.69	21.67	
Channel				500500	507000	513500	22.8
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.70	21.70	21.69	



FDD FR1 n12_TX0 (Index 1/2/3/4/5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	25.7
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	24.53	24.55	24.53	
15	PI/2 BPSK	1	40	24.49	24.41	24.46	25.2
15	PI/2 BPSK	1	77	24.50	24.50	24.50	
15	PI/2 BPSK	36	0	24.00	23.92	23.97	
15	PI/2 BPSK	36	22	24.50	24.51	24.47	25.7
15	PI/2 BPSK	36	43	24.10	24.02	24.07	
15	PI/2 BPSK	75	0	24.08	24.00	24.05	
15	QPSK	1	1	24.50	24.51	24.50	25.2
15	QPSK	1	40	24.44	24.36	24.41	
15	QPSK	1	77	24.50	24.52	24.50	
15	QPSK	36	0	23.58	23.50	23.55	25.7
15	QPSK	36	22	24.54	24.46	24.51	
15	QPSK	36	43	23.56	23.48	23.53	
15	QPSK	75	0	23.57	23.49	23.54	24.7
15	16QAM	1	1	23.59	23.51	23.56	
15	64QAM	1	1	22.00	21.92	21.97	
	256QAM	1	1	20.02	19.94	19.99	21.2
Channel				140800	141500	142200	25.7
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.51	24.48	24.50	
Channel				140300	141500	142700	25.7
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.50	24.49	24.51	



FDD FR1 n12_TX1 (Index 1/4/5/6)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	25.2
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	24.18	24.20	24.17	
15	PI/2 BPSK	1	40	24.08	24.11	24.10	24.7
15	PI/2 BPSK	1	77	24.17	24.18	24.16	
15	PI/2 BPSK	36	0	23.65	23.65	23.64	
15	PI/2 BPSK	36	22	24.15	24.17	24.16	25.2
15	PI/2 BPSK	36	43	23.68	23.70	23.72	
15	PI/2 BPSK	75	0	23.65	23.67	23.65	
15	QPSK	1	1	24.12	24.13	24.16	24.7
15	QPSK	1	40	24.03	24.08	24.12	
15	QPSK	1	77	24.17	24.17	24.18	
15	QPSK	36	0	23.16	23.16	23.16	25.2
15	QPSK	36	22	24.13	24.18	24.18	
15	QPSK	36	43	23.18	23.20	23.22	
15	QPSK	75	0	23.15	23.19	23.19	24.2
15	16QAM	1	1	23.15	23.15	23.17	
15	64QAM	1	1	22.05	21.68	21.48	
	256QAM	1	1	19.73	20.00	19.51	20.7
Channel				140800	141500	142200	25.2
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.10	24.11	24.13	
Channel				140300	141500	142700	25.2
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.13	24.18	24.10	



FDD FR1 n12_TX1 (Index 2)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.25	23.30	23.21	24.6
15	PI/2 BPSK	1	40	23.15	23.17	23.07	
15	PI/2 BPSK	1	77	23.20	23.29	23.24	
15	PI/2 BPSK	36	0	23.18	23.21	23.14	24.6
15	PI/2 BPSK	36	22	23.21	23.27	23.22	24.6
15	PI/2 BPSK	36	43	23.20	23.26	23.21	24.6
15	PI/2 BPSK	75	0	23.20	23.24	23.20	
15	QPSK	1	1	23.20	23.22	23.14	24.6
15	QPSK	1	40	23.08	23.16	23.11	
15	QPSK	1	77	23.17	23.27	23.26	
15	QPSK	36	0	22.88	22.94	22.89	24.1
15	QPSK	36	22	23.17	23.26	23.26	24.6
15	QPSK	36	43	22.91	22.98	22.89	24.1
15	QPSK	75	0	22.91	22.96	22.90	
15	16QAM	1	1	22.91	22.98	22.98	24.1
15	64QAM	1	1	21.65	21.71	21.69	22.6
	256QAM	1	1	19.38	19.47	19.42	20.6
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.23	23.26	23.14	24.6
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.25	23.24	23.19	24.6



FDD FR1 n12_TX1 (Index 3)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	23.8
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.25	23.30	23.21	
15	PI/2 BPSK	1	40	23.15	23.17	23.07	23.8
15	PI/2 BPSK	1	77	23.20	23.29	23.24	
15	PI/2 BPSK	36	0	23.18	23.21	23.14	
15	PI/2 BPSK	36	22	23.21	23.27	23.22	23.8
15	PI/2 BPSK	36	43	23.20	23.26	23.21	
15	PI/2 BPSK	75	0	23.20	23.24	23.20	
15	QPSK	1	1	23.20	23.22	23.14	23.8
15	QPSK	1	40	23.08	23.16	23.11	
15	QPSK	1	77	23.17	23.27	23.26	
15	QPSK	36	0	22.88	22.94	22.89	23.8
15	QPSK	36	22	23.17	23.26	23.26	
15	QPSK	36	43	22.91	22.98	22.89	
15	QPSK	75	0	22.91	22.96	22.90	23.8
15	16QAM	1	1	22.91	22.98	22.98	
15	64QAM	1	1	21.65	21.71	21.69	
	256QAM	1	1	19.38	19.47	19.42	20.3
Channel				140800	141500	142200	23.8
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.23	23.26	23.14	
Channel				140300	141500	142700	23.8
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.25	23.24	23.19	



FDD FR1 n25_TX0 (Index 1/2/3)

Ant 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				374000	376500	379000	25.7
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	24.58	24.60	24.56	
40	PI/2 BPSK	1	108	24.55	24.50	24.40	25.2
40	PI/2 BPSK	1	214	24.16	24.09	24.37	
40	PI/2 BPSK	108	0	23.88	23.87	23.90	
40	PI/2 BPSK	108	54	24.40	24.41	24.29	25.7
40	PI/2 BPSK	108	108	23.75	23.74	23.79	
40	PI/2 BPSK	216	0	23.82	23.83	23.81	
40	QPSK	1	1	24.35	24.36	24.36	25.7
40	QPSK	1	108	24.48	24.37	24.34	
40	QPSK	1	214	24.14	24.07	24.33	
40	QPSK	108	0	22.40	22.42	22.45	23.2
40	QPSK	108	54	24.40	24.32	24.29	25.7
40	QPSK	108	108	22.29	22.30	22.30	23.2
40	QPSK	216	0	22.35	22.33	22.33	
40	16QAM	1	1	23.38	23.53	23.53	
40	64QAM	1	1	21.73	21.91	21.92	23.2
40	256QAM	1	1	18.27	18.26	18.22	19.2
Channel				373000	376500	380000	25.7
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	24.56	24.52	24.52	
Channel				372500	376500	380500	25.7
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	24.56	24.58	24.51	
Channel				372000	376500	381000	25.7
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	24.48	24.58	24.53	
Channel				371500	376500	381500	25.7
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	24.40	24.51	24.53	
Channel				371000	376500	382000	25.7
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	24.47	24.48	24.48	
Channel				370500	376500	382500	25.7
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	24.40	24.49	24.50	



FDD FR1 n25_TX0 (Index 4/5/6)

Ant 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				374000	376500	379000	22.7
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	21.99	22.04	22.02	
40	PI/2 BPSK	1	108	21.94	22.03	21.96	22.7
40	PI/2 BPSK	1	214	21.63	21.68	21.63	
40	PI/2 BPSK	108	0	21.82	21.92	21.87	
40	PI/2 BPSK	108	54	21.90	21.93	21.84	22.7
40	PI/2 BPSK	108	108	21.72	21.79	21.75	
40	PI/2 BPSK	216	0	21.75	21.84	21.84	
40	QPSK	1	1	21.84	21.94	21.86	22.7
40	QPSK	1	108	21.89	21.92	21.84	
40	QPSK	1	214	21.53	21.63	21.60	
40	QPSK	108	0	21.92	21.94	21.84	22.7
40	QPSK	108	54	21.89	21.90	21.82	
40	QPSK	108	108	21.71	21.81	21.71	
40	QPSK	216	0	21.97	21.99	21.89	22.7
40	16QAM	1	1	21.95	22.00	21.91	
40	64QAM	1	1	21.98	22.03	21.99	
40	256QAM	1	1	18.28	18.25	18.21	19.2
Channel				373000	376500	380000	22.7
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	22.02	22.01	22.03	
Channel				372500	376500	380500	22.7
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	21.98	21.96	22.02	
Channel				372000	376500	381000	22.7
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.97	21.99	22.02	
Channel				371500	376500	381500	22.7
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.03	21.96	21.99	
Channel				371000	376500	382000	22.7
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.02	21.98	22.00	
Channel				370500	376500	382500	22.7
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.03	22.00	22.03	



FDD FR1 n25_TX1 (Index 1/2/3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	25.2
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.71	23.86	23.72	
40	PI/2 BPSK	1	108	23.85	23.78	23.70	24.7
40	PI/2 BPSK	1	214	23.44	23.48	23.70	
40	PI/2 BPSK	108	0	23.25	23.31	23.13	
40	PI/2 BPSK	108	54	23.65	23.66	23.61	24.7
40	PI/2 BPSK	108	108	23.19	23.15	23.13	
40	PI/2 BPSK	216	0	23.16	23.22	23.21	
40	QPSK	1	1	23.70	23.74	23.74	25.2
40	QPSK	1	108	23.84	23.77	23.68	
40	QPSK	1	214	23.46	23.44	23.69	
40	QPSK	108	0	21.78	21.81	21.72	22.7
40	QPSK	108	54	23.77	23.70	23.63	
40	QPSK	108	108	21.71	21.66	21.71	
40	QPSK	216	0	21.72	21.74	21.75	22.7
40	16QAM	1	1	22.82	22.84	22.82	
40	64QAM	1	1	21.27	21.31	21.29	
40	256QAM	1	1	17.56	17.55	17.54	18.7
Channel				373000	376500	380000	25.2
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.69	23.78	23.67	
Channel				372500	376500	380500	25.2
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.58	23.80	23.57	
Channel				372000	376500	381000	25.2
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.66	23.79	23.61	
Channel				371500	376500	381500	25.2
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.61	23.75	23.63	
Channel				371000	376500	382000	25.2
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.66	23.77	23.65	
Channel				370500	376500	382500	25.2
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.64	23.78	23.61	



FDD FR1 n25_TX1 (Index 4/5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	23.6
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	22.36	22.38	22.35	23.6
40	PI/2 BPSK	1	108	22.31	22.37	22.33	
40	PI/2 BPSK	1	214	21.99	22.01	21.93	
40	PI/2 BPSK	108	0	22.30	22.31	22.26	23.6
40	PI/2 BPSK	108	54	22.31	22.32	22.29	23.6
40	PI/2 BPSK	108	108	22.08	22.16	22.06	23.6
40	PI/2 BPSK	216	0	22.17	22.19	22.15	
40	QPSK	1	1	22.32	22.37	22.35	23.6
40	QPSK	1	108	22.27	22.33	22.26	
40	QPSK	1	214	21.94	22.00	22.00	
40	QPSK	108	0	21.58	21.57	21.54	22.6
40	QPSK	108	54	22.18	22.25	22.15	23.6
40	QPSK	108	108	21.48	21.41	21.47	22.6
40	QPSK	216	0	21.47	21.48	21.51	
40	16QAM	1	1	22.12	22.18	22.11	23.6
40	64QAM	1	1	21.52	21.55	21.54	22.6
40	256QAM	1	1	17.57	17.56	17.54	18.6
Channel				373000	376500	380000	23.6
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	22.35	22.32	22.27	23.6
Channel				372500	376500	380500	23.6
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	22.34	22.34	22.30	23.6
Channel				372000	376500	381000	23.6
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.35	22.36	22.28	23.6
Channel				371500	376500	381500	23.6
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.26	22.32	22.27	23.6
Channel				371000	376500	382000	23.6
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.30	22.36	22.35	23.6
Channel				370500	376500	382500	23.6
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.28	22.34	22.31	23.6



FDD FR1 n66_TX0 (Index 1/2/3)

Ant 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				346000	349000	352000	25.7
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	24.60	24.61	24.57	
40	PI/2 BPSK	1	108	24.57	24.59	24.56	25.2
40	PI/2 BPSK	1	214	24.30	24.28	24.21	
40	PI/2 BPSK	108	0	23.98	23.99	23.93	
40	PI/2 BPSK	108	54	24.51	24.52	24.44	25.2
40	PI/2 BPSK	108	108	23.93	23.85	23.86	
40	PI/2 BPSK	216	0	23.94	23.95	23.92	
40	QPSK	1	1	24.36	24.46	24.45	25.7
40	QPSK	1	108	24.57	24.54	24.50	
40	QPSK	1	214	24.28	24.25	24.17	
40	QPSK	108	0	23.48	23.52	23.46	24.7
40	QPSK	108	54	24.48	24.44	24.41	
40	QPSK	108	108	23.46	23.37	23.37	
40	QPSK	216	0	23.46	23.39	23.42	24.7
40	16QAM	1	1	23.47	23.42	23.49	
40	64QAM	1	1	21.91	22.05	22.01	
40	256QAM	1	1	20.05	20.09	19.88	21.2
Channel				345000	349000	353000	25.7
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.54	24.56	24.50	
Channel				344500	349000	353500	25.7
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	24.58	24.58	24.56	
Channel				344000	349000	354000	25.7
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	24.56	24.51	24.47	
Channel				343500	349000	354500	25.7
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.55	24.41	24.38	
Channel				343000	349000	355000	25.7
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.54	24.42	24.47	
Channel				342500	349000	355500	25.7
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.50	24.45	24.43	



FDD FR1 n66_TX0 (Index 4/5/6)

Ant 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				346000	349000	352000	24.1
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.01	23.02	22.94	
40	PI/2 BPSK	1	108	22.97	23.00	22.97	24.1
40	PI/2 BPSK	1	214	22.77	22.81	22.75	
40	PI/2 BPSK	108	0	22.90	23.00	22.99	
40	PI/2 BPSK	108	54	22.91	23.01	23.00	24.1
40	PI/2 BPSK	108	108	22.80	22.89	22.87	
40	PI/2 BPSK	216	0	22.84	22.90	22.83	
40	QPSK	1	1	22.91	22.99	22.89	24.1
40	QPSK	1	108	22.96	23.03	22.98	
40	QPSK	1	214	22.76	22.82	22.80	
40	QPSK	108	0	22.94	23.00	22.90	24.1
40	QPSK	108	54	22.90	22.96	22.86	
40	QPSK	108	108	22.77	22.87	22.83	
40	QPSK	216	0	22.89	22.89	22.85	24.1
40	16QAM	1	1	23.01	23.02	22.99	
40	64QAM	1	1	22.03	22.03	21.95	
40	256QAM	1	1	20.28	20.31	20.25	21.1
Channel				345000	349000	353000	24.1
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.97	22.98	23.01	
Channel				344500	349000	353500	24.1
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.96	22.96	22.93	
Channel				344000	349000	354000	24.1
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.92	22.99	22.98	
Channel				343500	349000	354500	24.1
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.97	22.93	22.90	
Channel				343000	349000	355000	24.1
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.93	22.95	23.02	
Channel				342500	349000	355500	24.1
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.96	22.96	22.97	



FDD FR1 n66_TX1 (Index 1/2/3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	25.2
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.90	23.91	23.86	
40	PI/2 BPSK	1	108	23.80	23.90	23.85	24.7
40	PI/2 BPSK	1	214	23.70	23.63	23.59	
40	PI/2 BPSK	108	0	23.47	23.38	23.42	25.2
40	PI/2 BPSK	108	54	23.89	23.90	23.88	
40	PI/2 BPSK	108	108	23.25	23.22	23.19	24.7
40	PI/2 BPSK	216	0	23.33	23.30	23.32	
40	QPSK	1	1	23.88	23.88	23.89	25.2
40	QPSK	1	108	23.90	23.90	23.90	
40	QPSK	1	214	23.72	23.67	23.64	
40	QPSK	108	0	22.92	22.90	22.91	24.2
40	QPSK	108	54	23.90	23.87	23.89	25.2
40	QPSK	108	108	22.77	22.77	22.77	24.2
40	QPSK	216	0	22.90	22.80	22.85	
40	16QAM	1	1	22.94	22.92	22.97	24.2
40	64QAM	1	1	21.43	21.33	21.35	22.7
40	256QAM	1	1	19.48	19.38	19.41	20.7
Channel				345000	349000	353000	25.2
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.81	23.72	23.76	25.2
Channel				344500	349000	353500	
Frequency (MHz)				1722.5	1745	1767.5	25.2
25	PI/2 BPSK	1	1	23.90	23.77	23.86	
Channel				344000	349000	354000	25.2
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.81	23.76	23.86	25.2
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	25.2
15	PI/2 BPSK	1	1	23.82	23.78	23.85	
Channel				343000	349000	355000	25.2
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.84	23.72	23.85	25.2
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	25.2
5	PI/2 BPSK	1	1	23.81	23.77	23.77	



FDD FR1 n66_TX1 (Index 4/5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	23.8
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.34	23.35	23.32	
40	PI/2 BPSK	1	108	23.31	23.34	23.29	23.8
40	PI/2 BPSK	1	214	22.97	23.02	22.93	
40	PI/2 BPSK	108	0	23.12	23.22	23.17	
40	PI/2 BPSK	108	54	23.20	23.24	23.18	23.8
40	PI/2 BPSK	108	108	23.01	23.11	23.02	
40	PI/2 BPSK	216	0	23.07	23.17	23.16	
40	QPSK	1	1	23.25	23.33	23.29	23.8
40	QPSK	1	108	23.23	23.33	23.25	
40	QPSK	1	214	22.99	23.02	22.94	
40	QPSK	108	0	23.08	23.12	23.10	23.8
40	QPSK	108	54	23.17	23.22	23.13	
40	QPSK	108	108	22.98	23.02	22.96	
40	QPSK	216	0	23.06	23.08	23.04	23.8
40	16QAM	1	1	22.53	22.63	22.57	
40	64QAM	1	1	21.40	21.48	21.48	
40	256QAM	1	1	19.33	19.33	19.30	20.3
Channel				345000	349000	353000	23.8
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.33	23.28	23.32	
Channel				344500	349000	353500	23.8
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.27	23.25	23.27	
Channel				344000	349000	354000	23.8
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.27	23.29	23.23	
Channel				343500	349000	354500	23.8
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.25	23.31	23.31	
Channel				343000	349000	355000	23.8
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.28	23.26	23.30	
Channel				342500	349000	355500	23.8
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.27	23.26	23.26	



TDD FR1 n38_TX0 (Index 1/2)

Ant 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				516000	519000	522000	25.5
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	24.45	24.48	24.41	
20	PI/2 BPSK	1	26	24.30	24.43	24.37	25.0
20	PI/2 BPSK	1	49	24.41	24.37	24.38	
20	PI/2 BPSK	25	0	23.87	23.87	23.86	
20	PI/2 BPSK	25	13	24.38	24.39	24.36	25.0
20	PI/2 BPSK	25	26	23.86	23.85	23.83	
20	PI/2 BPSK	50	0	23.81	23.88	23.88	
20	QPSK	1	1	24.32	24.36	24.28	25.5
20	QPSK	1	26	24.34	24.38	24.28	
20	QPSK	1	49	24.32	24.30	24.30	
20	QPSK	25	0	23.41	23.37	23.34	25.5
20	QPSK	25	13	24.33	24.36	24.37	
20	QPSK	25	26	23.48	23.37	23.31	
20	QPSK	50	0	23.33	23.34	23.38	24.5
20	16QAM	1	1	23.42	23.38	23.31	24.5
20	64QAM	1	1	22.01	22.05	22.06	23.0
20	256QAM	1	1	19.99	20.14	20.16	21.0
Channel				515500	519000	522500	25.5
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	24.41	24.40	24.35	25.5
Channel				515000	519000	523000	25.5
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	24.42	24.45	24.38	25.5



TDD FR1 n38_TX0 (Index 3)

Ant 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				516000	519000	522000	24.7
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	24.45	24.48	24.41	
20	PI/2 BPSK	1	26	24.30	24.43	24.37	24.7
20	PI/2 BPSK	1	49	24.41	24.37	24.38	
20	PI/2 BPSK	25	0	23.87	23.87	23.86	
20	PI/2 BPSK	25	13	24.38	24.39	24.36	24.7
20	PI/2 BPSK	25	26	23.86	23.85	23.83	
20	PI/2 BPSK	50	0	23.81	23.88	23.88	
20	QPSK	1	1	24.32	24.36	24.28	24.7
20	QPSK	1	26	24.34	24.38	24.28	
20	QPSK	1	49	24.32	24.30	24.30	
20	QPSK	25	0	23.41	23.37	23.34	24.7
20	QPSK	25	13	24.33	24.36	24.37	
20	QPSK	25	26	23.48	23.37	23.31	
20	QPSK	50	0	23.33	23.34	23.38	24.2
20	16QAM	1	1	23.42	23.38	23.31	24.2
20	64QAM	1	1	22.01	22.05	22.06	22.7
20	256QAM	1	1	19.99	20.14	20.16	20.7
Channel				515500	519000	522500	24.7
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	24.41	24.40	24.35	24.7
Channel				515000	519000	523000	24.7
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	24.42	24.45	24.38	24.7



TDD FR1 n38_TX0 (Index 4)

Ant 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				516000	519000	522000	22.6
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.06	22.09	22.05	
20	PI/2 BPSK	1	26	21.98	22.06	21.99	22.6
20	PI/2 BPSK	1	49	22.00	22.05	22.04	
20	PI/2 BPSK	25	0	22.01	22.03	21.93	
20	PI/2 BPSK	25	13	22.04	22.05	22.04	22.6
20	PI/2 BPSK	25	26	21.97	22.05	22.02	
20	PI/2 BPSK	50	0	21.99	22.03	21.94	
20	QPSK	1	1	21.96	22.03	22.02	22.6
20	QPSK	1	26	21.92	21.95	21.88	
20	QPSK	1	49	21.85	21.94	21.84	
20	QPSK	25	0	21.96	21.99	21.99	22.6
20	QPSK	25	13	21.96	22.00	21.92	
20	QPSK	25	26	21.99	22.02	22.00	
20	QPSK	50	0	21.99	22.00	21.92	22.6
20	16QAM	1	1	22.01	22.06	22.00	22.6
20	64QAM	1	1	21.97	22.07	22.02	22.6
20	256QAM	1	1	20.14	20.15	20.12	20.6
Channel				515500	519000	522500	22.6
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.06	22.05	22.08	22.6
Channel				515000	519000	523000	22.6
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.00	22.02	22.05	22.6



TDD FR1 n38_TX0 (Index 5/6)

Ant 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				516000	519000	522000	22.7
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.06	22.09	22.05	
20	PI/2 BPSK	1	26	21.98	22.06	21.99	22.7
20	PI/2 BPSK	1	49	22.00	22.05	22.04	
20	PI/2 BPSK	25	0	22.01	22.03	21.93	
20	PI/2 BPSK	25	13	22.04	22.05	22.04	22.7
20	PI/2 BPSK	25	26	21.97	22.05	22.02	
20	PI/2 BPSK	50	0	21.99	22.03	21.94	
20	QPSK	1	1	21.96	22.03	22.02	22.7
20	QPSK	1	26	21.92	21.95	21.88	
20	QPSK	1	49	21.85	21.94	21.84	
20	QPSK	25	0	21.96	21.99	21.99	22.7
20	QPSK	25	13	21.96	22.00	21.92	
20	QPSK	25	26	21.99	22.02	22.00	
20	QPSK	50	0	21.99	22.00	21.92	22.7
20	16QAM	1	1	22.01	22.06	22.00	22.7
20	64QAM	1	1	21.97	22.07	22.02	22.7
20	256QAM	1	1	20.14	20.15	20.12	20.7
Channel				515500	519000	522500	22.7
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.06	22.05	22.08	22.7
Channel				515000	519000	523000	22.7
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.00	22.02	22.05	22.7



TDD FR1 n38_TX1 (Index 1/2)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	25.0
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.86	23.93	23.88	
20	PI/2 BPSK	1	26	23.78	23.87	23.85	24.5
20	PI/2 BPSK	1	49	23.81	23.88	23.81	
20	PI/2 BPSK	25	0	23.47	23.47	23.47	
20	PI/2 BPSK	25	13	23.85	23.92	23.88	25.0
20	PI/2 BPSK	25	26	23.33	23.41	23.36	
20	PI/2 BPSK	50	0	23.36	23.44	23.34	
20	QPSK	1	1	23.85	23.92	23.85	24.5
20	QPSK	1	26	23.87	23.89	23.85	
20	QPSK	1	49	23.86	23.87	23.81	
20	QPSK	25	0	22.91	22.98	22.95	25.0
20	QPSK	25	13	23.89	23.90	23.82	
20	QPSK	25	26	22.85	22.91	22.85	
20	QPSK	50	0	22.86	22.95	22.91	24.0
20	16QAM	1	1	23.02	23.05	23.00	24.0
20	64QAM	1	1	21.57	21.61	21.59	22.5
20	256QAM	1	1	19.56	19.60	19.57	20.5
Channel				515500	519000	522500	25.0
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.79	23.85	23.80	25.0
Channel				515000	519000	523000	25.0
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.85	23.88	23.85	25.0



TDD FR1 n38_TX1 (Index 3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	24.8
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.86	23.93	23.88	
20	PI/2 BPSK	1	26	23.78	23.87	23.85	24.3
20	PI/2 BPSK	1	49	23.81	23.88	23.81	
20	PI/2 BPSK	25	0	23.47	23.47	23.47	
20	PI/2 BPSK	25	13	23.85	23.92	23.88	24.3
20	PI/2 BPSK	25	26	23.33	23.41	23.36	
20	PI/2 BPSK	50	0	23.36	23.44	23.34	
20	QPSK	1	1	23.85	23.92	23.85	24.8
20	QPSK	1	26	23.87	23.89	23.85	
20	QPSK	1	49	23.86	23.87	23.81	
20	QPSK	25	0	22.91	22.98	22.95	24.8
20	QPSK	25	13	23.89	23.90	23.82	
20	QPSK	25	26	22.85	22.91	22.85	
20	QPSK	50	0	22.86	22.95	22.91	23.8
20	16QAM	1	1	23.02	23.05	23.00	23.8
20	64QAM	1	1	21.57	21.61	21.59	22.3
20	256QAM	1	1	19.56	19.60	19.57	20.3
Channel				515500	519000	522500	24.8
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.79	23.85	23.80	24.8
Channel				515000	519000	523000	24.8
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.85	23.88	23.85	24.8



TDD FR1 n38_TX1 (Index 4)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	21.8
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.24	21.27	21.25	
20	PI/2 BPSK	1	26	21.14	21.23	21.17	21.8
20	PI/2 BPSK	1	49	21.16	21.19	21.10	
20	PI/2 BPSK	25	0	21.29	21.30	21.21	
20	PI/2 BPSK	25	13	21.33	21.34	21.25	21.8
20	PI/2 BPSK	25	26	21.17	21.23	21.15	
20	PI/2 BPSK	50	0	21.23	21.24	21.20	
20	QPSK	1	1	21.16	21.26	21.21	21.8
20	QPSK	1	26	21.11	21.18	21.10	
20	QPSK	1	49	21.03	21.10	21.03	
20	QPSK	25	0	21.27	21.27	21.17	21.8
20	QPSK	25	13	21.24	21.25	21.22	
20	QPSK	25	26	21.19	21.19	21.10	
20	QPSK	50	0	21.12	21.19	21.09	21.8
20	16QAM	1	1	21.29	21.36	21.34	21.8
20	64QAM	1	1	21.42	21.44	21.42	21.8
20	256QAM	1	1	19.47	19.48	19.42	20.3
Channel				515500	519000	522500	21.8
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	21.24	21.18	21.25	21.8
Channel				515000	519000	523000	21.8
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	21.18	21.24	21.22	21.8



TDD FR1 n38_TX1 (Index 5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	22.7
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.24	21.27	21.25	
20	PI/2 BPSK	1	26	21.14	21.23	21.17	22.7
20	PI/2 BPSK	1	49	21.16	21.19	21.10	
20	PI/2 BPSK	25	0	21.29	21.30	21.21	
20	PI/2 BPSK	25	13	21.33	21.34	21.25	22.7
20	PI/2 BPSK	25	26	21.17	21.23	21.15	
20	PI/2 BPSK	50	0	21.23	21.24	21.20	
20	QPSK	1	1	21.16	21.26	21.21	22.7
20	QPSK	1	26	21.11	21.18	21.10	
20	QPSK	1	49	21.03	21.10	21.03	
20	QPSK	25	0	21.27	21.27	21.17	22.7
20	QPSK	25	13	21.24	21.25	21.22	
20	QPSK	25	26	21.19	21.19	21.10	
20	QPSK	50	0	21.12	21.19	21.09	22.7
20	16QAM	1	1	21.29	21.36	21.34	22.7
20	64QAM	1	1	21.42	21.44	21.42	22.3
20	256QAM	1	1	19.47	19.48	19.42	20.3
Channel				515500	519000	522500	22.7
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	21.24	21.18	21.25	22.7
Channel				515000	519000	523000	22.7
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	21.18	21.24	21.22	22.7



TDD FR1 n41 PC3_TX0 (Index 1/2)

Ant 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				509202	518598	528000	25.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.59	24.60	24.52	25.5
100	PI/2 BPSK	1	137	24.38	24.46	24.42	
100	PI/2 BPSK	1	271	24.49	24.50	24.43	
100	PI/2 BPSK	135	0	23.94	24.04	23.95	25.0
100	PI/2 BPSK	135	69	24.46	24.48	24.43	25.5
100	PI/2 BPSK	135	138	23.89	23.99	23.90	25.0
100	PI/2 BPSK	270	0	23.95	24.00	23.92	
100	QPSK	1	1	24.49	24.59	24.52	25.5
100	QPSK	1	137	24.49	24.49	24.43	
100	QPSK	1	271	24.48	24.52	24.45	
100	QPSK	135	0	23.54	23.60	23.55	25.5
100	QPSK	135	69	24.46	24.53	24.46	
100	QPSK	135	138	23.51	23.52	23.51	
100	QPSK	270	0	23.52	23.52	23.46	24.5
100	16QAM	1	1	23.57	23.64	23.55	24.5
100	64QAM	1	1	22.23	22.24	22.18	23.0
100	256QAM	1	1	20.29	20.31	20.21	21.0
Channel				508200	518598	528996	25.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.53	24.53	24.52	25.5
Channel				507204	518598	529998	25.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.54	24.50	24.48	25.5
Channel				505200	518598	531996	25.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.55	24.59	24.44	25.5
Channel				504204	518598	532998	25.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.51	24.52	24.47	25.5
Channel				503202	518598	534000	25.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.52	24.55	24.50	25.5
Channel				502200	518598	534996	25.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.52	24.58	24.45	25.5
Channel				501204	518598	535998	25.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.55	24.52	24.43	25.5
Channel				500700	518598	536496	25.5
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.59	24.58	24.48	25.5
Channel				500202	518598	537000	25.5
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.51	24.57	24.52	25.5



TDD FR1 n41 PC3_TX0 (Index 3)

Ant 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				509202	518598	528000	24.7
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.59	24.60	24.52	24.7
100	PI/2 BPSK	1	137	24.38	24.46	24.42	
100	PI/2 BPSK	1	271	24.49	24.50	24.43	
100	PI/2 BPSK	135	0	23.94	24.04	23.95	24.7
100	PI/2 BPSK	135	69	24.46	24.48	24.43	24.7
100	PI/2 BPSK	135	138	23.89	23.99	23.90	24.7
100	PI/2 BPSK	270	0	23.95	24.00	23.92	
100	QPSK	1	1	24.49	24.59	24.52	24.7
100	QPSK	1	137	24.49	24.49	24.43	
100	QPSK	1	271	24.48	24.52	24.45	
100	QPSK	135	0	23.54	23.60	23.55	24.7
100	QPSK	135	69	24.46	24.53	24.46	
100	QPSK	135	138	23.51	23.52	23.51	
100	QPSK	270	0	23.52	23.52	23.46	24.2
100	16QAM	1	1	23.57	23.64	23.55	24.2
100	64QAM	1	1	22.23	22.24	22.18	22.7
100	256QAM	1	1	20.29	20.31	20.21	20.7
Channel				508200	518598	528996	24.7
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.53	24.53	24.52	24.7
Channel				507204	518598	529998	24.7
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.54	24.50	24.48	24.7
Channel				505200	518598	531996	24.7
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.55	24.59	24.44	24.7
Channel				504204	518598	532998	24.7
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.51	24.52	24.47	24.7
Channel				503202	518598	534000	24.7
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.52	24.55	24.50	24.7
Channel				502200	518598	534996	24.7
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.52	24.58	24.45	24.7
Channel				501204	518598	535998	24.7
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.55	24.52	24.43	24.7
Channel				500700	518598	536496	24.7
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.59	24.58	24.48	24.7
Channel				500202	518598	537000	24.7
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.51	24.57	24.52	24.7



TDD FR1 n41 PC3_TX0 (Index 4)

Ant 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				509202	518598	528000	22.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.00	22.05	21.95	22.6
100	PI/2 BPSK	1	137	21.84	21.89	21.83	
100	PI/2 BPSK	1	271	21.88	21.95	21.86	
100	PI/2 BPSK	135	0	21.92	21.99	21.89	22.6
100	PI/2 BPSK	135	69	21.98	22.00	21.97	22.6
100	PI/2 BPSK	135	138	21.84	21.92	21.91	22.6
100	PI/2 BPSK	270	0	21.85	21.95	21.87	
100	QPSK	1	1	21.96	22.06	21.96	22.6
100	QPSK	1	137	21.90	21.90	21.83	
100	QPSK	1	271	21.93	21.94	21.85	
100	QPSK	135	0	21.97	22.01	21.96	22.6
100	QPSK	135	69	21.84	21.93	21.85	
100	QPSK	135	138	21.88	21.92	21.85	
100	QPSK	270	0	21.89	21.93	21.90	22.6
100	16QAM	1	1	22.03	22.05	21.97	22.6
100	64QAM	1	1	22.04	22.04	21.99	22.6
100	256QAM	1	1	20.15	20.19	20.18	20.6
Channel				508200	518598	528996	22.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.03	21.97	22.02	22.6
Channel				507204	518598	529998	22.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.03	21.98	21.97	22.6
Channel				505200	518598	531996	22.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.01	21.98	22.04	22.6
Channel				504204	518598	532998	22.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.97	22.04	21.98	22.6
Channel				503202	518598	534000	22.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.02	22.00	21.96	22.6
Channel				502200	518598	534996	22.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.97	22.00	21.95	22.6
Channel				501204	518598	535998	22.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.00	21.98	21.98	22.6
Channel				500700	518598	536496	22.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.96	21.96	22.04	22.6
Channel				500202	518598	537000	22.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.04	22.02	22.01	22.6



TDD FR1 n41 PC3_TX0 (Index 5/6)

Ant 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				509202	518598	528000	22.7
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.00	22.05	21.95	22.7
100	PI/2 BPSK	1	137	21.84	21.89	21.83	
100	PI/2 BPSK	1	271	21.88	21.95	21.86	
100	PI/2 BPSK	135	0	21.92	21.99	21.89	22.7
100	PI/2 BPSK	135	69	21.98	22.00	21.97	22.7
100	PI/2 BPSK	135	138	21.84	21.92	21.91	22.7
100	PI/2 BPSK	270	0	21.85	21.95	21.87	
100	QPSK	1	1	21.96	22.06	21.96	22.7
100	QPSK	1	137	21.90	21.90	21.83	
100	QPSK	1	271	21.93	21.94	21.85	
100	QPSK	135	0	21.97	22.01	21.96	22.7
100	QPSK	135	69	21.84	21.93	21.85	
100	QPSK	135	138	21.88	21.92	21.85	
100	QPSK	270	0	21.89	21.93	21.90	22.7
100	16QAM	1	1	22.03	22.05	21.97	22.7
100	64QAM	1	1	22.04	22.04	21.99	22.7
100	256QAM	1	1	20.15	20.19	20.18	20.7
Channel				508200	518598	528996	22.7
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.03	21.97	22.02	22.7
Channel				507204	518598	529998	22.7
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.03	21.98	21.97	22.7
Channel				505200	518598	531996	22.7
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.01	21.98	22.04	22.7
Channel				504204	518598	532998	22.7
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.97	22.04	21.98	22.7
Channel				503202	518598	534000	22.7
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.02	22.00	21.96	22.7
Channel				502200	518598	534996	22.7
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.97	22.00	21.95	22.7
Channel				501204	518598	535998	22.7
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.00	21.98	21.98	22.7
Channel				500700	518598	536496	22.7
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.96	21.96	22.04	22.7
Channel				500202	518598	537000	22.7
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.04	22.02	22.01	22.7



TDD FR1 n41 PC2_TX0 (Index 1/2/3)

Ant 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				509202	518598	528000	27.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.69	26.71	26.65	
100	PI/2 BPSK	1	137	26.51	26.54	26.50	26.0
100	PI/2 BPSK	1	271	26.50	26.57	26.57	
100	PI/2 BPSK	135	0	25.11	25.11	25.07	
100	PI/2 BPSK	135	69	26.50	26.55	26.54	26.0
100	PI/2 BPSK	135	138	24.95	25.01	25.00	
100	PI/2 BPSK	270	0	24.99	25.04	25.00	
100	QPSK	1	1	26.62	26.66	26.63	27.5
100	QPSK	1	137	26.51	26.51	26.47	
100	QPSK	1	271	26.52	26.54	26.51	
100	QPSK	135	0	24.52	24.61	24.57	27.5
100	QPSK	135	69	26.54	26.55	26.54	
100	QPSK	135	138	24.54	24.51	24.57	
100	QPSK	270	0	24.45	24.52	24.48	25.5
100	16QAM	1	1	25.76	25.78	25.69	26.5
100	64QAM	1	1	23.83	23.84	23.82	25.0
100	256QAM	1	1	21.78	21.81	21.71	23.0
Channel				508200	518598	528996	27.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.59	26.69	26.62	
Channel				507204	518598	529998	27.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.67	26.61	26.56	
Channel				505200	518598	531996	27.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.65	26.61	26.62	
Channel				504204	518598	532998	27.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.59	26.70	26.61	
Channel				503202	518598	534000	27.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.67	26.63	26.63	
Channel				502200	518598	534996	27.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.64	26.70	26.59	
Channel				501204	518598	535998	27.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.67	26.68	26.58	
Channel				500700	518598	536496	27.5
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	26.62	26.62	26.57	
Channel				500202	518598	537000	27.5
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	26.67	26.63	26.57	



TDD FR1 n41 PC2_TX0 (Index 4)

Ant 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				509202	518598	528000	25.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.13	25.19	25.15	
100	PI/2 BPSK	1	137	25.02	25.06	24.96	25.6
100	PI/2 BPSK	1	271	25.05	25.07	25.00	
100	PI/2 BPSK	135	0	25.02	25.05	25.02	
100	PI/2 BPSK	135	69	25.04	25.06	25.01	25.6
100	PI/2 BPSK	135	138	24.93	25.03	25.03	
100	PI/2 BPSK	270	0	24.99	25.03	25.01	
100	QPSK	1	1	25.08	25.18	25.09	25.6
100	QPSK	1	137	24.95	25.03	24.95	
100	QPSK	1	271	24.99	25.06	25.04	
100	QPSK	135	0	25.05	25.14	25.07	25.6
100	QPSK	135	69	24.97	25.03	24.97	
100	QPSK	135	138	25.02	25.02	25.00	
100	QPSK	270	0	24.97	25.03	25.01	25.5
100	16QAM	1	1	25.12	25.18	25.09	25.6
100	64QAM	1	1	23.90	23.95	23.91	25.0
100	256QAM	1	1	21.79	21.89	21.81	23.0
Channel				508200	518598	528996	25.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.09	25.14	25.12	
Channel				507204	518598	529998	25.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.17	25.15	25.09	
Channel				505200	518598	531996	25.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.18	25.12	25.16	
Channel				504204	518598	532998	25.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.16	25.15	25.11	
Channel				503202	518598	534000	25.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.09	25.18	25.15	
Channel				502200	518598	534996	25.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.10	25.14	25.11	
Channel				501204	518598	535998	25.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.09	25.16	25.10	
Channel				500700	518598	536496	25.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.16	25.15	25.18	
Channel				500202	518598	537000	25.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.15	25.18	25.18	



TDD FR1 n41 PC2_TX0 (Index 5/6)

Ant 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				509202	518598	528000	25.7
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.13	25.19	25.15	
100	PI/2 BPSK	1	137	25.02	25.06	24.96	25.7
100	PI/2 BPSK	1	271	25.05	25.07	25.00	
100	PI/2 BPSK	135	0	25.02	25.05	25.02	
100	PI/2 BPSK	135	69	25.04	25.06	25.01	25.7
100	PI/2 BPSK	135	138	24.93	25.03	25.03	
100	PI/2 BPSK	270	0	24.99	25.03	25.01	
100	QPSK	1	1	25.08	25.18	25.09	25.7
100	QPSK	1	137	24.95	25.03	24.95	
100	QPSK	1	271	24.99	25.06	25.04	
100	QPSK	135	0	25.05	25.14	25.07	25.7
100	QPSK	135	69	24.97	25.03	24.97	
100	QPSK	135	138	25.02	25.02	25.00	
100	QPSK	270	0	24.97	25.03	25.01	25.5
100	16QAM	1	1	25.12	25.18	25.09	25.7
100	64QAM	1	1	23.90	23.95	23.91	25.0
100	256QAM	1	1	21.79	21.89	21.81	23.0
Channel				508200	518598	528996	25.7
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.09	25.14	25.12	
Channel				507204	518598	529998	25.7
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.17	25.15	25.09	
Channel				505200	518598	531996	25.7
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.18	25.12	25.16	
Channel				504204	518598	532998	25.7
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.16	25.15	25.11	
Channel				503202	518598	534000	25.7
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.09	25.18	25.15	
Channel				502200	518598	534996	25.7
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.10	25.14	25.11	
Channel				501204	518598	535998	25.7
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.09	25.16	25.10	
Channel				500700	518598	536496	25.7
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.16	25.15	25.18	
Channel				500202	518598	537000	25.7
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.15	25.18	25.18	



TDD FR1 n41 PC3_TX1 (Index 1/2)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.62	23.69	23.63	
100	PI/2 BPSK	1	137	23.36	23.37	23.28	24.5
100	PI/2 BPSK	1	271	23.26	23.36	23.27	
100	PI/2 BPSK	135	0	22.98	23.02	22.94	
100	PI/2 BPSK	135	69	23.31	23.38	23.29	24.5
100	PI/2 BPSK	135	138	22.73	22.82	22.79	
100	PI/2 BPSK	270	0	22.91	22.93	22.91	
100	QPSK	1	1	23.60	23.68	23.63	25.0
100	QPSK	1	137	23.31	23.41	23.33	
100	QPSK	1	271	23.38	23.40	23.33	
100	QPSK	135	0	22.53	22.57	22.55	25.0
100	QPSK	135	69	23.39	23.45	23.37	
100	QPSK	135	138	22.31	22.36	22.27	
100	QPSK	270	0	22.38	22.46	22.43	24.0
100	16QAM	1	1	22.74	22.82	22.80	24.0
100	64QAM	1	1	21.46	21.48	21.38	22.5
100	256QAM	1	1	19.44	19.49	19.48	20.5
Channel				508200	518598	528996	25.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.58	23.68	23.60	
Channel				507204	518598	529998	25.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.53	23.60	23.54	
Channel				505200	518598	531996	25.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.54	23.59	23.63	
Channel				504204	518598	532998	25.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.59	23.63	23.61	
Channel				503202	518598	534000	25.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.60	23.62	23.60	
Channel				502200	518598	534996	25.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.52	23.64	23.56	
Channel				501204	518598	535998	25.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.53	23.67	23.55	
Channel				500700	518598	536496	25.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.61	23.67	23.63	
Channel				500202	518598	537000	25.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.60	23.66	23.60	



TDD FR1 n41 PC3_TX1 (Index 3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	24.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.62	23.69	23.63	
100	PI/2 BPSK	1	137	23.36	23.37	23.28	24.3
100	PI/2 BPSK	1	271	23.26	23.36	23.27	
100	PI/2 BPSK	135	0	22.98	23.02	22.94	
100	PI/2 BPSK	135	69	23.31	23.38	23.29	24.3
100	PI/2 BPSK	135	138	22.73	22.82	22.79	
100	PI/2 BPSK	270	0	22.91	22.93	22.91	
100	QPSK	1	1	23.60	23.68	23.63	24.8
100	QPSK	1	137	23.31	23.41	23.33	
100	QPSK	1	271	23.38	23.40	23.33	
100	QPSK	135	0	22.53	22.57	22.55	24.8
100	QPSK	135	69	23.39	23.45	23.37	
100	QPSK	135	138	22.31	22.36	22.27	
100	QPSK	270	0	22.38	22.46	22.43	23.8
100	16QAM	1	1	22.74	22.82	22.80	23.8
100	64QAM	1	1	21.46	21.48	21.38	22.3
100	256QAM	1	1	19.44	19.49	19.48	20.3
Channel				508200	518598	528996	24.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.58	23.68	23.60	
Channel				507204	518598	529998	24.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.53	23.60	23.54	
Channel				505200	518598	531996	24.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.54	23.59	23.63	
Channel				504204	518598	532998	24.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.59	23.63	23.61	
Channel				503202	518598	534000	24.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.60	23.62	23.60	
Channel				502200	518598	534996	24.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.52	23.64	23.56	
Channel				501204	518598	535998	24.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.53	23.67	23.55	
Channel				500700	518598	536496	24.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.61	23.67	23.63	
Channel				500202	518598	537000	24.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.60	23.66	23.60	



TDD FR1 n41 PC3_TX1 (Index 4)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	21.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.17	21.20	21.18	
100	PI/2 BPSK	1	137	20.72	20.70	20.75	21.8
100	PI/2 BPSK	1	271	20.76	20.75	20.74	
100	PI/2 BPSK	135	0	20.89	20.90	20.83	
100	PI/2 BPSK	135	69	20.90	20.91	20.85	21.8
100	PI/2 BPSK	135	138	20.75	20.76	20.76	
100	PI/2 BPSK	270	0	20.71	20.77	20.71	
100	QPSK	1	1	21.13	21.19	21.11	21.8
100	QPSK	1	137	20.78	20.72	20.70	
100	QPSK	1	271	20.76	20.75	20.79	
100	QPSK	135	0	20.77	20.85	20.81	21.8
100	QPSK	135	69	20.82	20.85	20.75	
100	QPSK	135	138	20.73	20.73	20.78	
100	QPSK	270	0	20.75	20.75	20.79	21.8
100	16QAM	1	1	21.16	21.16	21.12	
100	64QAM	1	1	21.23	21.33	21.24	
100	256QAM	1	1	19.31	19.34	19.26	20.3
Channel				508200	518598	528996	21.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.17	21.19	21.10	
Channel				507204	518598	529998	21.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.10	21.10	21.11	
Channel				505200	518598	531996	21.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.17	21.19	21.16	
Channel				504204	518598	532998	21.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.10	21.15	21.14	
Channel				503202	518598	534000	21.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.08	21.19	21.12	
Channel				502200	518598	534996	21.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.07	21.12	21.14	
Channel				501204	518598	535998	21.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.17	21.11	21.08	
Channel				500700	518598	536496	21.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.16	21.18	21.11	
Channel				500202	518598	537000	21.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.08	21.10	21.14	



TDD FR1 n41 PC3_TX1 (Index 5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.7
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.17	21.20	21.18	22.7
100	PI/2 BPSK	1	137	20.72	20.70	20.75	
100	PI/2 BPSK	1	271	20.76	20.75	20.74	
100	PI/2 BPSK	135	0	20.89	20.90	20.83	22.7
100	PI/2 BPSK	135	69	20.90	20.91	20.85	22.7
100	PI/2 BPSK	135	138	20.75	20.76	20.76	22.7
100	PI/2 BPSK	270	0	20.71	20.77	20.71	
100	QPSK	1	1	21.13	21.19	21.11	22.7
100	QPSK	1	137	20.78	20.72	20.70	
100	QPSK	1	271	20.76	20.75	20.79	
100	QPSK	135	0	20.77	20.85	20.81	22.7
100	QPSK	135	69	20.82	20.85	20.75	
100	QPSK	135	138	20.73	20.73	20.78	
100	QPSK	270	0	20.75	20.75	20.79	22.7
100	16QAM	1	1	21.16	21.16	21.12	22.7
100	64QAM	1	1	21.23	21.33	21.24	22.3
100	256QAM	1	1	19.31	19.34	19.26	20.3
Channel				508200	518598	528996	22.7
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.17	21.19	21.10	22.7
Channel				507204	518598	529998	22.7
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.10	21.10	21.11	22.7
Channel				505200	518598	531996	22.7
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.17	21.19	21.16	22.7
Channel				504204	518598	532998	22.7
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.10	21.15	21.14	22.7
Channel				503202	518598	534000	22.7
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.08	21.19	21.12	22.7
Channel				502200	518598	534996	22.7
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.07	21.12	21.14	22.7
Channel				501204	518598	535998	22.7
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.17	21.11	21.08	22.7
Channel				500700	518598	536496	22.7
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.16	21.18	21.11	22.7
Channel				500202	518598	537000	22.7
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.08	21.10	21.14	22.7



TDD FR1 n41 PC2_TX1 (Index 1/2/3)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	27.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.75	25.79	25.74	
100	PI/2 BPSK	1	137	25.33	25.38	25.29	27.0
100	PI/2 BPSK	1	271	25.28	25.38	25.34	
100	PI/2 BPSK	135	0	23.97	24.01	23.98	
100	PI/2 BPSK	135	69	25.34	25.39	25.29	25.5
100	PI/2 BPSK	135	138	23.79	23.80	23.71	
100	PI/2 BPSK	270	0	23.89	23.91	23.81	
100	QPSK	1	1	25.71	25.77	25.75	27.0
100	QPSK	1	137	25.37	25.40	25.37	
100	QPSK	1	271	25.37	25.38	25.37	
100	QPSK	135	0	23.46	23.54	23.50	27.0
100	QPSK	135	69	25.34	25.42	25.36	
100	QPSK	135	138	23.31	23.32	23.29	
100	QPSK	270	0	23.42	23.42	23.36	25.0
100	16QAM	1	1	24.74	24.78	24.70	26.0
100	64QAM	1	1	22.89	22.94	22.88	24.5
100	256QAM	1	1	20.82	20.88	20.83	22.5
Channel				508200	518598	528996	27.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.69	25.69	25.71	
Channel				507204	518598	529998	27.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.75	25.78	25.73	
Channel				505200	518598	531996	27.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.72	25.75	25.74	
Channel				504204	518598	532998	27.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.65	25.70	25.68	
Channel				503202	518598	534000	27.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.75	25.70	25.72	
Channel				502200	518598	534996	27.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.65	25.75	25.70	
Channel				501204	518598	535998	27.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.68	25.78	25.66	
Channel				500700	518598	536496	27.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.67	25.70	25.73	
Channel				500202	518598	537000	27.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.65	25.71	25.69	



TDD FR1 n41 PC2_TX1 (Index 4)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	24.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.45	24.46	24.41	
100	PI/2 BPSK	1	137	23.95	24.00	23.97	24.8
100	PI/2 BPSK	1	271	23.93	24.01	23.95	
100	PI/2 BPSK	135	0	24.09	24.17	24.15	
100	PI/2 BPSK	135	69	24.10	24.20	24.16	24.8
100	PI/2 BPSK	135	138	23.84	23.92	23.89	
100	PI/2 BPSK	270	0	24.01	24.04	23.97	
100	QPSK	1	1	24.40	24.42	24.41	24.8
100	QPSK	1	137	23.87	23.92	23.89	
100	QPSK	1	271	23.87	23.94	23.85	
100	QPSK	135	0	24.11	24.16	24.07	24.8
100	QPSK	135	69	24.07	24.17	24.14	
100	QPSK	135	138	23.89	23.89	23.79	
100	QPSK	270	0	24.01	24.01	23.91	24.8
100	16QAM	1	1	24.43	24.47	24.46	24.8
100	64QAM	1	1	22.99	23.09	23.02	24.3
100	256QAM	1	1	21.03	21.08	21.01	22.3
Channel				508200	518598	528996	24.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.39	24.38	24.41	
Channel				507204	518598	529998	24.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.35	24.44	24.36	
Channel				505200	518598	531996	24.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.36	24.45	24.33	
Channel				504204	518598	532998	24.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.38	24.44	24.35	
Channel				503202	518598	534000	24.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.42	24.44	24.36	
Channel				502200	518598	534996	24.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.41	24.42	24.32	
Channel				501204	518598	535998	24.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.36	24.45	24.39	
Channel				500700	518598	536496	24.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.43	24.36	24.41	
Channel				500202	518598	537000	24.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.42	24.39	24.32	



TDD FR1 n41 PC2_TX1 (Index 5/6)

Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.7
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.45	24.46	24.41	
100	PI/2 BPSK	1	137	23.95	24.00	23.97	25.2
100	PI/2 BPSK	1	271	23.93	24.01	23.95	
100	PI/2 BPSK	135	0	24.09	24.17	24.15	
100	PI/2 BPSK	135	69	24.10	24.20	24.16	25.2
100	PI/2 BPSK	135	138	23.84	23.92	23.89	
100	PI/2 BPSK	270	0	24.01	24.04	23.97	
100	QPSK	1	1	24.40	24.42	24.41	25.7
100	QPSK	1	137	23.87	23.92	23.89	
100	QPSK	1	271	23.87	23.94	23.85	
100	QPSK	135	0	24.11	24.16	24.07	25.7
100	QPSK	135	69	24.07	24.17	24.14	
100	QPSK	135	138	23.89	23.89	23.79	
100	QPSK	270	0	24.01	24.01	23.91	25.7
100	16QAM	1	1	24.43	24.47	24.46	25.7
100	64QAM	1	1	22.99	23.09	23.02	24.2
100	256QAM	1	1	21.03	21.08	21.01	22.2
Channel				508200	518598	528996	25.7
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.39	24.38	24.41	
Channel				507204	518598	529998	25.7
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.35	24.44	24.36	
Channel				505200	518598	531996	25.7
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.36	24.45	24.33	
Channel				504204	518598	532998	25.7
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.38	24.44	24.35	
Channel				503202	518598	534000	25.7
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.42	24.44	24.36	
Channel				502200	518598	534996	25.7
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.41	24.42	24.32	
Channel				501204	518598	535998	25.7
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.36	24.45	24.39	
Channel				500700	518598	536496	25.7
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.43	24.36	24.41	
Channel				500202	518598	537000	25.7
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.42	24.39	24.32	



TDD FR1 Part 270 n77 PC3_TX0 (Index 1/2)

Ant 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				650000	656000	662000	25.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.25	24.44	24.19	
100	PI/2 BPSK	1	137	23.93	24.16	23.88	25.2
100	PI/2 BPSK	1	271	23.93	24.12	23.88	
100	PI/2 BPSK	135	0	24.03	24.20	23.98	
100	PI/2 BPSK	135	69	24.16	24.35	24.11	25.2
100	PI/2 BPSK	135	138	23.46	23.66	23.41	
100	PI/2 BPSK	270	0	23.73	23.89	23.68	
100	QPSK	1	1	24.25	24.43	24.20	25.7
100	QPSK	1	137	24.01	24.18	23.96	
100	QPSK	1	271	23.95	24.11	23.90	
100	QPSK	135	0	23.48	23.69	23.43	25.7
100	QPSK	135	69	24.19	24.36	24.14	
100	QPSK	135	138	22.95	23.18	22.90	
100	QPSK	270	0	23.27	23.42	23.22	24.7
100	16QAM	1	1	23.24	23.44	23.19	24.7
100	64QAM	1	1	21.71	21.88	21.66	23.2
100	256QAM	1	1	19.61	19.84	19.56	21.2
Channel				649668	656000	662332	25.7
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.22	24.37	24.16	
Channel				649334	656000	662666	25.7
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.22	24.39	24.09	
Channel				649000	656000	663000	25.7
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.15	24.39	24.15	
Channel				648668	656000	663332	25.7
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.24	24.43	24.18	
Channel				648334	656000	663666	25.7
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.22	24.43	24.10	
Channel				648000	656000	664000	25.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.22	24.41	24.15	
Channel				647668	656000	664332	25.7
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.22	24.35	24.16	
Channel				647500	656000	664500	25.7
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.21	24.38	24.16	
Channel				647334	656000	664666	25.7
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.25	24.40	24.10	
Channel				647168	656000	664832	25.7
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.18	24.42	24.17	
Channel				647000	656000	665000	25.7
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.24	24.34	24.09	



TDD FR1 Part 27Q n77 PC3_TX0 (Index 1/2)

Ant 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					633332		25.7
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.23		25.7
100	PI/2 BPSK	1	137		24.11		
100	PI/2 BPSK	1	271		24.11		
100	PI/2 BPSK	135	0		24.16		25.2
100	PI/2 BPSK	135	69		24.20		25.7
100	PI/2 BPSK	135	138		23.56		25.2
100	PI/2 BPSK	270	0		23.91		
100	QPSK	1	1		24.05		25.7
100	QPSK	1	137		24.22		
100	QPSK	1	271		24.14		
100	QPSK	135	0		23.66		25.7
100	QPSK	135	69		24.11		
100	QPSK	135	138		23.07		
100	QPSK	270	0		23.42		24.7
100	16QAM	1	1		23.08		24.7
100	64QAM	1	1		21.48		23.2
100	256QAM	1	1		19.47		21.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.98	23.89	24.02	25.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.91	23.82	23.96	25.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.88	23.87	23.93	25.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.93	23.85	23.96	25.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.98	23.79	24.00	25.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.91	23.85	24.00	25.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.97	23.82	23.97	25.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.93	23.87	23.93	25.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.90	23.84	24.02	25.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.96	23.86	24.01	25.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.98	23.82	24.02	25.7



TDD FR1 Part 270 n77 PC3_TX0 (Index 3)

Ant 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				650000	656000	662000	25.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.25	24.44	24.19	
100	PI/2 BPSK	1	137	23.93	24.16	23.88	25.0
100	PI/2 BPSK	1	271	23.93	24.12	23.88	
100	PI/2 BPSK	135	0	24.03	24.20	23.98	25.0
100	PI/2 BPSK	135	69	24.16	24.35	24.11	25.0
100	PI/2 BPSK	135	138	23.46	23.66	23.41	25.0
100	PI/2 BPSK	270	0	23.73	23.89	23.68	
100	QPSK	1	1	24.25	24.43	24.20	25.0
100	QPSK	1	137	24.01	24.18	23.96	
100	QPSK	1	271	23.95	24.11	23.90	
100	QPSK	135	0	23.48	23.69	23.43	25.0
100	QPSK	135	69	24.19	24.36	24.14	
100	QPSK	135	138	22.95	23.18	22.90	24.5
100	QPSK	270	0	23.27	23.42	23.22	
100	16QAM	1	1	23.24	23.44	23.19	24.5
100	64QAM	1	1	21.71	21.88	21.66	23.0
100	256QAM	1	1	19.61	19.84	19.56	21.0
Channel				649668	656000	662332	25.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.22	24.37	24.16	
Channel				649334	656000	662666	25.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.22	24.39	24.09	
Channel				649000	656000	663000	25.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.15	24.39	24.15	
Channel				648668	656000	663332	25.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.24	24.43	24.18	
Channel				648334	656000	663666	25.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.22	24.43	24.10	
Channel				648000	656000	664000	25.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.22	24.41	24.15	
Channel				647668	656000	664332	25.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.22	24.35	24.16	
Channel				647500	656000	664500	25.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.21	24.38	24.16	
Channel				647334	656000	664666	25.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.25	24.40	24.10	
Channel				647168	656000	664832	25.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.18	24.42	24.17	
Channel				647000	656000	665000	25.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.24	24.34	24.09	



TDD FR1 Part 27Q n77 PC3_TX0 (Index 3)

Ant 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					633332		25.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.23		25.0
100	PI/2 BPSK	1	137		24.11		
100	PI/2 BPSK	1	271		24.11		
100	PI/2 BPSK	135	0		24.16		25.0
100	PI/2 BPSK	135	69		24.20		25.0
100	PI/2 BPSK	135	138		23.56		25.0
100	PI/2 BPSK	270	0		23.91		
100	QPSK	1	1		24.05		25.0
100	QPSK	1	137		24.22		
100	QPSK	1	271		24.14		
100	QPSK	135	0		23.66		25.0
100	QPSK	135	69		24.11		
100	QPSK	135	138		23.07		
100	QPSK	270	0		23.42		24.5
100	16QAM	1	1		23.08		24.5
100	64QAM	1	1		21.48		23.0
100	256QAM	1	1		19.47		21.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.98	23.89	24.02	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.91	23.82	23.96	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.88	23.87	23.93	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.93	23.85	23.96	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.98	23.79	24.00	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.91	23.85	24.00	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.97	23.82	23.97	25.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.93	23.87	23.93	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.90	23.84	24.02	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.96	23.86	24.01	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.98	23.82	24.02	25.0



TDD FR1 Part 270 n77 PC3_TX0 (Index 4/5/6)

Ant 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				650000	656000	662000	20.6
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.13	20.23	20.18	
100	PI/2 BPSK	1	137	19.99	19.99	19.99	20.6
100	PI/2 BPSK	1	271	19.90	19.91	19.91	
100	PI/2 BPSK	135	0	20.14	20.24	20.14	
100	PI/2 BPSK	135	69	20.20	20.25	20.15	20.6
100	PI/2 BPSK	135	138	19.96	19.97	19.91	
100	PI/2 BPSK	270	0	20.13	20.20	20.19	
100	QPSK	1	1	20.14	20.24	20.20	20.6
100	QPSK	1	137	19.90	20.00	19.94	
100	QPSK	1	271	19.84	19.94	19.93	
100	QPSK	135	0	20.48	20.54	20.45	20.6
100	QPSK	135	69	20.13	20.21	20.13	
100	QPSK	135	138	19.98	20.01	19.98	
100	QPSK	270	0	20.23	20.24	20.16	20.6
100	16QAM	1	1	20.28	20.29	20.19	20.6
100	64QAM	1	1	20.30	20.38	20.29	20.6
100	256QAM	1	1	20.03	20.05	20.00	20.6
Channel				649668	656000	662332	20.6
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.17	20.21	20.13	
Channel				649334	656000	662666	20.6
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.13	20.21	20.13	
Channel				649000	656000	663000	20.6
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.19	20.16	20.20	
Channel				648668	656000	663332	20.6
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.13	20.15	20.16	
Channel				648334	656000	663666	20.6
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.21	20.16	20.22	
Channel				648000	656000	664000	20.6
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.19	20.20	20.15	
Channel				647668	656000	664332	20.6
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.14	20.20	20.14	
Channel				647500	656000	664500	20.6
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.19	20.20	20.15	
Channel				647334	656000	664666	20.6
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.22	20.19	20.17	
Channel				647168	656000	664832	20.6
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.17	20.20	20.13	
Channel				647000	656000	665000	20.6
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.22	20.15	20.13	



TDD FR1 Part 27Q n77 PC3_TX0 (Index 4/5/6)

Ant 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					633332		20.6
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.00		20.6
100	PI/2 BPSK	1	137		19.99		
100	PI/2 BPSK	1	271		19.95		20.6
100	PI/2 BPSK	135	0		20.39		
100	PI/2 BPSK	135	69		20.40		20.6
100	PI/2 BPSK	135	138		19.89		
100	PI/2 BPSK	270	0		20.24		20.6
100	QPSK	1	1		19.85		
100	QPSK	1	137		20.04		20.6
100	QPSK	1	271		19.93		
100	QPSK	135	0		20.50		20.6
100	QPSK	135	69		20.25		
100	QPSK	135	138		19.89		20.6
100	QPSK	270	0		20.25		
100	16QAM	1	1		19.85		20.6
100	64QAM	1	1		19.80		20.6
100	256QAM	1	1		19.52		20.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.98	19.97	19.96	20.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.98	19.98	19.93	20.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.99	19.92	19.99	20.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.93	19.98	19.90	20.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.92	19.99	19.91	20.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.97	19.94	19.90	20.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.97	20.00	19.95	20.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.97	19.90	19.97	20.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.91	19.94	20.00	20.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.95	19.96	19.97	20.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.96	19.94	19.99	20.6



TDD FR1 Part 270 n77 PC2_TX0 (Index 1/2/3)

Ant 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				650000	656000	662000	27.2
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.99	26.18	25.87	
100	PI/2 BPSK	1	137	25.68	25.88	25.65	26.7
100	PI/2 BPSK	1	271	25.65	25.83	25.56	
100	PI/2 BPSK	135	0	25.71	25.92	25.73	
100	PI/2 BPSK	135	69	25.94	26.06	25.85	26.7
100	PI/2 BPSK	135	138	25.14	25.36	25.16	
100	PI/2 BPSK	270	0	25.40	25.59	25.37	
100	QPSK	1	1	25.99	26.11	25.89	27.2
100	QPSK	1	137	25.68	25.84	25.65	
100	QPSK	1	271	25.66	25.80	25.60	
100	QPSK	135	0	25.19	25.39	25.19	27.2
100	QPSK	135	69	25.88	26.04	25.83	
100	QPSK	135	138	24.73	24.85	24.64	
100	QPSK	270	0	24.91	25.06	24.83	26.2
100	16QAM	1	1	24.94	25.13	24.94	26.2
100	64QAM	1	1	23.42	23.57	23.35	24.7
100	256QAM	1	1	21.40	21.57	21.40	22.7
Channel				649668	656000	662332	27.2
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.97	26.17	25.86	
Channel				649334	656000	662666	27.2
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.91	26.09	25.83	
Channel				649000	656000	663000	27.2
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.99	26.17	25.81	
Channel				648668	656000	663332	27.2
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.92	26.12	25.82	
Channel				648334	656000	663666	27.2
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.91	26.15	25.83	
Channel				648000	656000	664000	27.2
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.89	26.09	25.86	
Channel				647668	656000	664332	27.2
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.93	26.12	25.80	
Channel				647500	656000	664500	27.2
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.93	26.12	25.80	
Channel				647334	656000	664666	27.2
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.94	26.15	25.77	
Channel				647168	656000	664832	27.2
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.96	26.11	25.86	
Channel				647000	656000	665000	27.2
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.93	26.12	25.84	



TDD FR1 Part 27Q n77 PC2_TX0 (Index 1/2/3)

Ant 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					633332		27.2
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.80		27.2
100	PI/2 BPSK	1	137		25.79		
100	PI/2 BPSK	1	271		25.79		
100	PI/2 BPSK	135	0		25.88		26.7
100	PI/2 BPSK	135	69		26.18		27.2
100	PI/2 BPSK	135	138		25.32		26.7
100	PI/2 BPSK	270	0		25.67		
100	QPSK	1	1		25.80		27.2
100	QPSK	1	137		25.96		
100	QPSK	1	271		25.92		
100	QPSK	135	0		25.43		27.2
100	QPSK	135	69		26.17		
100	QPSK	135	138		24.87		
100	QPSK	270	0		25.17		26.2
100	16QAM	1	1		24.84		26.2
100	64QAM	1	1		23.27		24.7
100	256QAM	1	1		21.26		22.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.72	25.61	25.74	27.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.62	25.61	25.68	27.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.63	25.57	25.66	27.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.62	25.58	25.73	27.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.66	25.54	25.67	27.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.63	25.57	25.71	27.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.64	25.56	25.70	27.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.62	25.51	25.72	27.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.68	25.61	25.73	27.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.67	25.52	25.64	27.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.65	25.58	25.70	27.2



TDD FR1 Part 270 n77 PC2_TX0 (Index 4/5/6)

Ant 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				650000	656000	662000	23.6
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.18	23.24	23.14	
100	PI/2 BPSK	1	137	22.95	23.00	22.90	23.6
100	PI/2 BPSK	1	271	22.84	22.92	22.92	
100	PI/2 BPSK	135	0	23.40	23.49	23.44	
100	PI/2 BPSK	135	69	23.08	23.17	23.15	23.6
100	PI/2 BPSK	135	138	22.94	22.98	22.89	
100	PI/2 BPSK	270	0	23.10	23.20	23.16	
100	QPSK	1	1	23.17	23.20	23.18	23.6
100	QPSK	1	137	22.94	22.94	22.94	
100	QPSK	1	271	22.84	22.89	22.89	
100	QPSK	135	0	23.48	23.50	23.46	23.6
100	QPSK	135	69	23.05	23.15	23.14	
100	QPSK	135	138	22.89	22.97	22.89	
100	QPSK	270	0	23.11	23.19	23.11	23.6
100	16QAM	1	1	23.13	23.23	23.23	
100	64QAM	1	1	22.81	22.86	22.83	
100	256QAM	1	1	21.34	21.43	21.37	22.6
Channel				649668	656000	662332	23.6
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.23	23.18	23.22	
Channel				649334	656000	662666	23.6
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.20	23.18	23.18	
Channel				649000	656000	663000	23.6
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.22	23.21	23.24	
Channel				648668	656000	663332	23.6
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.22	23.18	23.24	
Channel				648334	656000	663666	23.6
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.18	23.15	23.20	
Channel				648000	656000	664000	23.6
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.15	23.18	23.14	
Channel				647668	656000	664332	23.6
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.16	23.21	23.19	
Channel				647500	656000	664500	23.6
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.14	23.17	23.16	
Channel				647334	656000	664666	23.6
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.16	23.14	23.17	
Channel				647168	656000	664832	23.6
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.16	23.21	23.19	
Channel				647000	656000	665000	23.6
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.14	23.17	23.16	



TDD FR1 Part 27Q n77 PC2_TX0 (Index 4/5/6)

Ant 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					633332		23.6
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.97		23.6
100	PI/2 BPSK	1	137		23.13		
100	PI/2 BPSK	1	271		23.02		23.6
100	PI/2 BPSK	135	0		23.50		
100	PI/2 BPSK	135	69		23.31		23.6
100	PI/2 BPSK	135	138		22.98		
100	PI/2 BPSK	270	0		23.30		23.6
100	QPSK	1	1		22.83		
100	QPSK	1	137		23.00		23.6
100	QPSK	1	271		22.91		
100	QPSK	135	0		23.47		23.6
100	QPSK	135	69		23.23		
100	QPSK	135	138		22.90		23.6
100	QPSK	270	0		23.25		
100	16QAM	1	1		22.91		23.6
100	64QAM	1	1		22.43		23.6
100	256QAM	1	1		20.96		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.12	23.08	23.07	23.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.06	23.13	23.07	23.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.12	23.07	23.12	23.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.06	23.07	23.08	23.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.12	23.03	23.07	23.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.10	23.06	23.03	23.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.12	23.03	23.10	23.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.10	23.13	23.10	23.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.03	23.05	23.08	23.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.06	23.09	23.09	23.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.07	23.13	23.07	23.6



TDD FR1 Part 270 n77 PC3_TX1 (Index 1/2/3)

Ant 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				650000	656000	662000	24.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.48	23.50	23.03	
100	PI/2 BPSK	1	137	23.38	23.32	23.05	24.2
100	PI/2 BPSK	1	271	23.29	23.16	23.09	
100	PI/2 BPSK	135	0	23.35	23.22	23.08	
100	PI/2 BPSK	135	69	23.48	23.64	23.26	24.2
100	PI/2 BPSK	135	138	23.02	22.77	22.62	
100	PI/2 BPSK	270	0	23.18	22.92	22.79	
100	QPSK	1	1	23.39	23.52	23.07	24.7
100	QPSK	1	137	23.51	23.31	23.06	
100	QPSK	1	271	23.34	23.16	23.09	
100	QPSK	135	0	22.89	22.74	22.57	24.7
100	QPSK	135	69	23.48	23.48	23.26	
100	QPSK	135	138	22.51	22.25	22.12	
100	QPSK	270	0	22.69	22.43	22.29	23.7
100	16QAM	1	1	22.44	22.54	22.09	23.7
100	64QAM	1	1	20.89	20.96	20.54	22.2
100	256QAM	1	1	18.90	18.94	18.49	20.2
Channel				649668	656000	662332	24.7
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.23	23.25	23.01	
Channel				649334	656000	662666	24.7
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.21	23.24	22.86	
Channel				649000	656000	663000	24.7
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.20	23.23	22.95	
Channel				648668	656000	663332	24.7
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.11	23.16	22.86	
Channel				648334	656000	663666	24.7
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.47	23.63	23.11	
Channel				648000	656000	664000	24.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.46	23.49	23.04	
Channel				647668	656000	664332	24.7
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.45	23.48	22.99	
Channel				647500	656000	664500	24.7
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.44	23.47	23.00	
Channel				647334	656000	664666	24.7
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.43	23.46	22.96	
Channel				647168	656000	664832	24.7
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.44	23.45	22.93	
Channel				647000	656000	665000	24.7
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.41	23.44	23.02	



TDD FR1 Part 27Q n77 PC3_TX1 (Index 1/2/3)

Ant 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					633332		24.7
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.11		24.7
100	PI/2 BPSK	1	137		23.10		
100	PI/2 BPSK	1	271		22.93		24.2
100	PI/2 BPSK	135	0		22.88		
100	PI/2 BPSK	135	69		23.35		24.2
100	PI/2 BPSK	135	138		22.55		
100	PI/2 BPSK	270	0		22.87		24.7
100	QPSK	1	1		22.98		
100	QPSK	1	137		23.16		24.7
100	QPSK	1	271		22.92		
100	QPSK	135	0		22.36		24.7
100	QPSK	135	69		23.34		
100	QPSK	135	138		22.03		23.7
100	QPSK	270	0		22.37		
100	16QAM	1	1		21.99		23.7
100	64QAM	1	1		20.39		22.2
100	256QAM	1	1		18.42		20.2
Channel				633000	633332	633666	24.7
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.91	23.04	22.93	24.7
Channel				632668	633332	634000	24.7
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.96	23.03	22.95	24.7
Channel				632334	633332	634332	24.7
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.86	22.89	22.88	24.7
Channel				632000	633332	634666	24.7
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.63	22.73	22.66	24.7
Channel				631668	633332	635000	24.7
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.28	23.33	23.31	24.7
Channel				631334	633332	635332	24.7
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.31	23.34	23.33	24.7
Channel				631000	633332	635666	24.7
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.30	23.34	23.28	24.7
Channel				630834	633332	635832	24.7
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.29	23.33	23.30	24.7
Channel				630668	633332	636000	24.7
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.24	23.30	23.26	24.7
Channel				630500	633332	636166	24.7
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.25	23.30	23.26	24.7
Channel				630334	633332	636332	24.7
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.27	23.28	23.30	24.7



TDD FR1 Part 270 n77 PC3_TX1 (Index 4)

Ant 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				650000	656000	662000	20.1
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.24	19.25	19.21	
100	PI/2 BPSK	1	137	19.03	19.07	19.06	20.1
100	PI/2 BPSK	1	271	18.88	18.91	18.84	
100	PI/2 BPSK	135	0	19.21	19.29	19.25	
100	PI/2 BPSK	135	69	19.20	19.30	19.30	20.1
100	PI/2 BPSK	135	138	19.05	19.06	19.01	
100	PI/2 BPSK	270	0	19.21	19.24	19.15	
100	QPSK	1	1	19.23	19.30	19.23	20.1
100	QPSK	1	137	19.02	19.10	19.05	
100	QPSK	1	271	18.85	18.94	18.92	
100	QPSK	135	0	19.47	19.54	19.53	20.1
100	QPSK	135	69	19.29	19.30	19.21	
100	QPSK	135	138	18.99	19.06	18.97	
100	QPSK	270	0	19.19	19.24	19.23	20.1
100	16QAM	1	1	19.21	19.28	19.23	
100	64QAM	1	1	19.25	19.27	19.22	
100	256QAM	1	1	18.94	18.98	18.89	20.1
Channel				649668	656000	662332	
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.20	19.21	19.21	20.1
Channel				649334	656000	662666	
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.16	19.25	19.12	20.1
Channel				649000	656000	663000	
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.22	19.21	19.12	20.1
Channel				648668	656000	663332	
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.19	19.21	19.21	20.1
Channel				648334	656000	663666	
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.18	19.20	19.15	20.1
Channel				648000	656000	664000	
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.23	19.20	19.14	20.1
Channel				647668	656000	664332	
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.17	19.17	19.19	20.1
Channel				647500	656000	664500	
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.25	19.23	19.15	20.1
Channel				647334	656000	664666	
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.17	19.23	19.14	20.1
Channel				647168	656000	664832	
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.23	19.20	19.11	20.1
Channel				647000	656000	665000	
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.23	19.24	19.11	20.1
Channel				647000	656000	665000	
Frequency (MHz)				3705	3840	3975	



TDD FR1 Part 27Q n77 PC3_TX1 (Index 4)

Ant 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					633332		20.1
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.75		20.1
100	PI/2 BPSK	1	137		18.74		
100	PI/2 BPSK	1	271		18.63		
100	PI/2 BPSK	135	0		19.05		20.1
100	PI/2 BPSK	135	69		19.06		20.1
100	PI/2 BPSK	135	138		18.93		20.1
100	PI/2 BPSK	270	0		19.09		
100	QPSK	1	1		18.92		20.1
100	QPSK	1	137		18.89		
100	QPSK	1	271		18.67		
100	QPSK	135	0		19.18		20.1
100	QPSK	135	69		19.20		
100	QPSK	135	138		18.85		
100	QPSK	270	0		19.21		20.1
100	16QAM	1	1		18.79		20.1
100	64QAM	1	1		18.95		20.1
100	256QAM	1	1		18.65		18.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.69	18.73	18.73	20.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.66	18.69	18.75	20.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.71	18.71	18.68	20.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.70	18.68	18.68	20.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.66	18.65	18.67	20.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.71	18.68	18.70	20.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.69	18.72	18.66	20.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.74	18.74	18.72	20.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.75	18.75	18.74	20.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.65	18.66	18.68	20.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.73	18.72	18.69	20.1



TDD FR1 Part 270 n77 PC3_TX1 (Index 5/6)

Ant 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				650000	656000	662000	20.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.24	19.25	19.21	
100	PI/2 BPSK	1	137	19.03	19.07	19.06	20.7
100	PI/2 BPSK	1	271	18.88	18.91	18.84	
100	PI/2 BPSK	135	0	19.21	19.29	19.25	
100	PI/2 BPSK	135	69	19.20	19.30	19.30	20.7
100	PI/2 BPSK	135	138	19.05	19.06	19.01	
100	PI/2 BPSK	270	0	19.21	19.24	19.15	
100	QPSK	1	1	19.23	19.30	19.23	20.7
100	QPSK	1	137	19.02	19.10	19.05	
100	QPSK	1	271	18.85	18.94	18.92	
100	QPSK	135	0	19.47	19.54	19.53	20.7
100	QPSK	135	69	19.29	19.30	19.21	
100	QPSK	135	138	18.99	19.06	18.97	
100	QPSK	270	0	19.19	19.24	19.23	20.7
100	16QAM	1	1	19.21	19.28	19.23	20.7
100	64QAM	1	1	19.25	19.27	19.22	20.7
100	256QAM	1	1	18.94	18.98	18.89	20.2
Channel				649668	656000	662332	20.7
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.20	19.21	19.21	
Channel				649334	656000	662666	20.7
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.16	19.25	19.12	
Channel				649000	656000	663000	20.7
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.22	19.21	19.12	
Channel				648668	656000	663332	20.7
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.19	19.21	19.21	
Channel				648334	656000	663666	20.7
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.18	19.20	19.15	
Channel				648000	656000	664000	20.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.23	19.20	19.14	
Channel				647668	656000	664332	20.7
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.17	19.17	19.19	
Channel				647500	656000	664500	20.7
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.25	19.23	19.15	
Channel				647334	656000	664666	20.7
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.17	19.23	19.14	
Channel				647168	656000	664832	20.7
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.23	19.20	19.11	
Channel				647000	656000	665000	20.7
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.23	19.24	19.11	



TDD FR1 Part 27Q n77 PC3_TX1 (Index 5/6)

Ant 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					633332		20.7
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.75		20.7
100	PI/2 BPSK	1	137		18.74		
100	PI/2 BPSK	1	271		18.63		20.7
100	PI/2 BPSK	135	0		19.05		
100	PI/2 BPSK	135	69		19.06		20.7
100	PI/2 BPSK	135	138		18.93		
100	PI/2 BPSK	270	0		19.09		20.7
100	QPSK	1	1		18.92		
100	QPSK	1	137		18.89		20.7
100	QPSK	1	271		18.67		
100	QPSK	135	0		19.18		20.7
100	QPSK	135	69		19.20		
100	QPSK	135	138		18.85		20.7
100	QPSK	270	0		19.21		
100	16QAM	1	1		18.79		20.7
100	64QAM	1	1		18.95		20.7
100	256QAM	1	1		18.65		20.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.69	18.73	18.73	20.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.66	18.69	18.75	20.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.71	18.71	18.68	20.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.70	18.68	18.68	20.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.66	18.65	18.67	20.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.71	18.68	18.70	20.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.69	18.72	18.66	20.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.74	18.74	18.72	20.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.75	18.75	18.74	20.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.65	18.66	18.68	20.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.73	18.72	18.69	20.7



TDD FR1 Part 270 n77 PC2_TX1 (Index 1/2/3)

Ant 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				650000	656000	662000	26.2
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.08	25.14	24.70	
100	PI/2 BPSK	1	137	24.77	24.90	24.61	25.7
100	PI/2 BPSK	1	271	24.69	24.77	24.55	
100	PI/2 BPSK	135	0	24.74	24.83	24.55	26.2
100	PI/2 BPSK	135	69	25.00	25.11	24.90	
100	PI/2 BPSK	135	138	24.27	24.40	24.15	25.7
100	PI/2 BPSK	270	0	24.49	24.56	24.30	
100	QPSK	1	1	24.96	25.11	24.86	26.2
100	QPSK	1	137	24.81	24.88	24.60	
100	QPSK	1	271	24.71	24.83	24.53	
100	QPSK	135	0	24.23	24.38	24.16	26.2
100	QPSK	135	69	24.99	25.11	24.86	
100	QPSK	135	138	23.82	23.90	23.61	25.2
100	QPSK	270	0	24.01	24.06	23.81	
100	16QAM	1	1	24.10	24.15	23.87	25.2
100	64QAM	1	1	22.50	22.57	22.35	23.7
100	256QAM	1	1	20.46	20.61	20.38	21.7
Channel				649668	656000	662332	26.2
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.00	25.13	24.60	
Channel				649334	656000	662666	26.2
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.08	25.06	24.65	
Channel				649000	656000	663000	26.2
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.02	25.05	24.64	
Channel				648668	656000	663332	26.2
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.99	25.10	24.63	
Channel				648334	656000	663666	26.2
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.00	25.13	24.62	
Channel				648000	656000	664000	26.2
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.04	25.13	24.65	
Channel				647668	656000	664332	26.2
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.04	25.11	24.62	
Channel				647500	656000	664500	26.2
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.99	25.12	24.70	
Channel				647334	656000	664666	26.2
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.08	25.09	24.64	
Channel				647168	656000	664832	26.2
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.02	25.10	24.69	
Channel				647000	656000	665000	26.2
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.99	25.08	24.68	



TDD FR1 Part 27Q n77 PC2_TX1 (Index 1/2/3)

Ant 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					633332		26.2
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.85		26.2
100	PI/2 BPSK	1	137		24.84		
100	PI/2 BPSK	1	271		24.73		25.7
100	PI/2 BPSK	135	0		24.67		
100	PI/2 BPSK	135	69		25.17		26.2
100	PI/2 BPSK	135	138		24.37		
100	PI/2 BPSK	270	0		24.71		25.7
100	QPSK	1	1		24.75		
100	QPSK	1	137		24.95		26.2
100	QPSK	1	271		24.71		
100	QPSK	135	0		24.18		26.2
100	QPSK	135	69		25.16		
100	QPSK	135	138		23.87		25.2
100	QPSK	270	0		24.20		
100	16QAM	1	1		23.78		25.2
100	64QAM	1	1		21.77		23.7
100	256QAM	1	1		20.00		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.61	24.75	24.75	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.58	24.71	24.72	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.63	24.73	24.76	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.60	24.69	24.73	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.69	24.91	24.89	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.70	24.93	24.93	26.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.68	24.96	24.94	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.65	24.92	24.95	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.71	24.90	24.92	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.66	24.91	24.96	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.69	24.95	24.96	26.2



TDD FR1 Part 270 n77 PC2_TX1 (Index 4)

Ant 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.17	22.19	22.14	23.1
100	PI/2 BPSK	1	137	21.97	22.01	21.98	
100	PI/2 BPSK	1	271	21.87	21.91	21.82	
100	PI/2 BPSK	135	0	22.32	22.41	22.38	23.1
100	PI/2 BPSK	135	69	22.41	22.42	22.40	23.1
100	PI/2 BPSK	135	138	21.99	22.00	21.96	23.1
100	PI/2 BPSK	270	0	22.08	22.14	22.13	
100	QPSK	1	1	22.18	22.18	22.11	23.1
100	QPSK	1	137	21.91	21.97	21.91	
100	QPSK	1	271	21.81	21.84	21.74	
100	QPSK	135	0	22.33	22.33	22.30	23.1
100	QPSK	135	69	22.27	22.34	22.33	
100	QPSK	135	138	21.88	21.97	21.95	
100	QPSK	270	0	22.01	22.10	22.10	23.1
100	16QAM	1	1	22.21	22.21	22.14	23.1
100	64QAM	1	1	22.21	22.30	22.28	23.1
100	256QAM	1	1	20.36	20.40	20.38	21.1
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.13	22.13	22.05	23.1
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.08	22.13	22.04	23.1
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.17	22.19	22.07	23.1
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.13	22.18	22.06	23.1
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.15	22.11	22.10	23.1
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.16	22.13	22.05	23.1
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.17	22.17	22.13	23.1
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.10	22.10	22.13	23.1
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.16	22.17	22.04	23.1
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.12	22.17	22.14	23.1
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.08	22.15	22.06	23.1



TDD FR1 Part 27Q n77 PC2_TX1 (Index 4)

Ant 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					633332		23.1
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.00		23.1
100	PI/2 BPSK	1	137		21.98		
100	PI/2 BPSK	1	271		21.81		
100	PI/2 BPSK	135	0		22.24		23.1
100	PI/2 BPSK	135	69		22.25		23.1
100	PI/2 BPSK	135	138		21.96		23.1
100	PI/2 BPSK	270	0		22.27		
100	QPSK	1	1		21.97		23.1
100	QPSK	1	137		21.95		
100	QPSK	1	271		21.72		
100	QPSK	135	0		22.19		23.1
100	QPSK	135	69		22.22		
100	QPSK	135	138		21.86		
100	QPSK	270	0		22.26		23.1
100	16QAM	1	1		21.93		23.1
100	64QAM	1	1		21.90		23.1
100	256QAM	1	1		19.91		21.1
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.93	21.96	21.98	23.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.95	21.91	21.94	23.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.97	21.98	21.97	23.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.91	21.90	21.98	23.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.97	21.97	22.00	23.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.99	22.00	21.94	23.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.93	21.97	21.99	23.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.93	21.93	21.93	23.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.90	21.94	21.94	23.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.90	21.99	21.99	23.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.92	21.97	21.93	23.1



TDD FR1 Part 270 n77 PC2_TX1 (Index 5/6)

Ant 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.17	22.19	22.14	23.7
100	PI/2 BPSK	1	137	21.97	22.01	21.98	
100	PI/2 BPSK	1	271	21.87	21.91	21.82	
100	PI/2 BPSK	135	0	22.32	22.41	22.38	23.7
100	PI/2 BPSK	135	69	22.41	22.42	22.40	23.7
100	PI/2 BPSK	135	138	21.99	22.00	21.96	23.7
100	PI/2 BPSK	270	0	22.08	22.14	22.13	
100	QPSK	1	1	22.18	22.18	22.11	23.7
100	QPSK	1	137	21.91	21.97	21.91	
100	QPSK	1	271	21.81	21.84	21.74	
100	QPSK	135	0	22.33	22.33	22.30	23.7
100	QPSK	135	69	22.27	22.34	22.33	
100	QPSK	135	138	21.88	21.97	21.95	
100	QPSK	270	0	22.01	22.10	22.10	23.7
100	16QAM	1	1	22.21	22.21	22.14	23.7
100	64QAM	1	1	22.21	22.30	22.28	23.7
100	256QAM	1	1	20.36	20.40	20.38	21.2
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.13	22.13	22.05	23.7
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.08	22.13	22.04	23.7
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.17	22.19	22.07	23.7
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.13	22.18	22.06	23.7
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.15	22.11	22.10	23.7
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.16	22.13	22.05	23.7
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.17	22.17	22.13	23.7
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.10	22.10	22.13	23.7
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.16	22.17	22.04	23.7
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.12	22.17	22.14	23.7
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.08	22.15	22.06	23.7



TDD FR1 Part 27Q n77 PC2_TX1 (Index 5/6)

Ant 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					633332		23.7
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.00		23.7
100	PI/2 BPSK	1	137		21.98		
100	PI/2 BPSK	1	271		21.81		23.7
100	PI/2 BPSK	135	0		22.24		
100	PI/2 BPSK	135	69		22.25		23.7
100	PI/2 BPSK	135	138		21.96		
100	PI/2 BPSK	270	0		22.27		23.7
100	QPSK	1	1		21.97		
100	QPSK	1	137		21.95		23.7
100	QPSK	1	271		21.72		
100	QPSK	135	0		22.19		23.7
100	QPSK	135	69		22.22		
100	QPSK	135	138		21.86		23.7
100	QPSK	270	0		22.26		
100	16QAM	1	1		21.93		23.7
100	64QAM	1	1		21.90		23.7
100	256QAM	1	1		19.91		21.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.93	21.96	21.98	23.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.95	21.91	21.94	23.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.97	21.98	21.97	23.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.91	21.90	21.98	23.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.97	21.97	22.00	23.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.99	22.00	21.94	23.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.93	21.97	21.99	23.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.93	21.93	21.93	23.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.90	21.94	21.94	23.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.90	21.99	21.99	23.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.92	21.97	21.93	23.7



TDD FR1 Part 270 n77 SRS PC2_TX2 (Index 1)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.57	25.12	24.91	
100	PI/2 BPSK	1	137	24.79	24.85	24.95	25.3
100	PI/2 BPSK	1	271	24.76	24.78	24.81	
100	PI/2 BPSK	135	0	24.63	24.80	24.64	
100	PI/2 BPSK	135	69	25.00	25.05	25.04	25.3
100	PI/2 BPSK	135	138	24.30	24.33	24.35	
100	PI/2 BPSK	270	0	24.50	24.57	24.46	
100	QPSK	1	1	24.54	25.00	24.86	25.8
100	QPSK	1	137	24.77	24.77	24.87	
100	QPSK	1	271	24.76	24.75	24.79	
100	QPSK	135	0	24.10	24.33	24.14	25.8
100	QPSK	135	69	24.99	25.00	25.10	
100	QPSK	135	138	23.80	23.86	23.84	
100	QPSK	270	0	24.05	24.07	23.97	24.8
100	16QAM	1	1	23.73	24.05	23.87	24.8
100	64QAM	1	1	22.35	22.69	22.45	23.3
100	256QAM	1	1	20.43	20.78	20.49	21.3
Channel				649668	656000	662332	25.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.62	24.71	24.77	
Channel				649334	656000	662666	25.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.59	24.68	24.72	
Channel				649000	656000	663000	25.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.53	24.68	24.73	
Channel				648668	656000	663332	25.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.55	24.71	24.75	
Channel				648334	656000	663666	25.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.81	25.08	24.69	
Channel				648000	656000	664000	25.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.83	25.10	24.72	
Channel				647668	656000	664332	25.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.86	25.07	24.70	
Channel				647500	656000	664500	25.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.81	25.04	24.76	
Channel				647334	656000	664666	25.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.82	25.09	24.80	
Channel				647168	656000	664832	25.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.85	25.06	24.81	
Channel				647000	656000	665000	25.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.79	25.10	24.78	



TDD FR1 Part 27Q n77 SRS PC2_TX2 (Index 1)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		25.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.89		25.8
100	PI/2 BPSK	1	137		24.88		
100	PI/2 BPSK	1	271		24.85		
100	PI/2 BPSK	135	0		25.02		25.3
100	PI/2 BPSK	135	69		25.27		25.8
100	PI/2 BPSK	135	138		24.41		25.3
100	PI/2 BPSK	270	0		24.77		
100	QPSK	1	1		24.82		25.8
100	QPSK	1	137		25.03		
100	QPSK	1	271		24.85		
100	QPSK	135	0		24.50		25.8
100	QPSK	135	69		25.26		
100	QPSK	135	138		23.90		
100	QPSK	270	0		24.25		24.8
100	16QAM	1	1		23.85		24.8
100	64QAM	1	1		22.54		23.3
100	256QAM	1	1		20.54		21.3
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.79	24.88	24.88	25.8
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.75	24.89	24.86	25.8
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.77	24.89	24.89	25.8
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.76	24.88	24.88	25.8
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.99	25.16	25.13	25.8
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.03	25.19	25.16	25.8
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.01	25.18	25.17	25.8
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.05	25.16	25.16	25.8
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.95	25.13	25.15	25.8
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.00	25.10	25.09	25.8
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.98	25.12	25.08	25.8



TDD FR1 Part 270 n77 SRS PC2_TX2 (Index 2)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.2
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.01	20.05	20.05	21.2
100	PI/2 BPSK	1	137	19.77	19.81	19.71	
100	PI/2 BPSK	1	271	19.77	19.81	19.80	
100	PI/2 BPSK	135	0	19.94	19.99	19.97	21.2
100	PI/2 BPSK	135	69	19.96	20.00	19.98	21.2
100	PI/2 BPSK	135	138	19.72	19.82	19.75	21.2
100	PI/2 BPSK	270	0	19.97	20.02	20.02	
100	QPSK	1	1	19.93	20.00	19.97	21.2
100	QPSK	1	137	19.74	19.76	19.69	
100	QPSK	1	271	19.76	19.78	19.70	
100	QPSK	135	0	20.26	20.32	20.22	21.2
100	QPSK	135	69	19.95	19.99	19.94	
100	QPSK	135	138	19.74	19.83	19.80	
100	QPSK	270	0	20.06	20.07	20.07	21.2
100	16QAM	1	1	20.04	20.05	19.95	21.2
100	64QAM	1	1	20.16	20.22	20.16	21.2
100	256QAM	1	1	20.15	20.24	20.20	21.2
Channel				649668	656000	662332	21.2
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.00	20.00	20.03	21.2
Channel				649334	656000	662666	21.2
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.96	20.03	20.01	21.2
Channel				649000	656000	663000	21.2
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.92	19.97	19.95	21.2
Channel				648668	656000	663332	21.2
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.93	20.05	19.99	21.2
Channel				648334	656000	663666	21.2
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.91	19.98	20.04	21.2
Channel				648000	656000	664000	21.2
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.94	20.04	20.05	21.2
Channel				647668	656000	664332	21.2
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.93	20.00	19.96	21.2
Channel				647500	656000	664500	21.2
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.00	19.96	20.02	21.2
Channel				647334	656000	664666	21.2
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.92	19.97	20.04	21.2
Channel				647168	656000	664832	21.2
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.96	19.96	20.01	21.2
Channel				647000	656000	665000	21.2
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.91	19.97	20.00	21.2



TDD FR1 Part 27Q n77 SRS PC2_TX2 (Index 2)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		21.2
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.86		21.2
100	PI/2 BPSK	1	137		19.85		
100	PI/2 BPSK	1	271		19.83		
100	PI/2 BPSK	135	0		20.19		21.2
100	PI/2 BPSK	135	69		20.20		21.2
100	PI/2 BPSK	135	138		19.78		21.2
100	PI/2 BPSK	270	0		20.14		
100	QPSK	1	1		19.74		21.2
100	QPSK	1	137		19.94		
100	QPSK	1	271		19.79		
100	QPSK	135	0		20.40		21.2
100	QPSK	135	69		20.16		
100	QPSK	135	138		19.78		
100	QPSK	270	0		20.15		21.2
100	16QAM	1	1		19.78		21.2
100	64QAM	1	1		19.86		21.2
100	256QAM	1	1		19.89		21.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.81	19.86	19.84	21.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.81	19.77	19.86	21.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.83	19.83	19.76	21.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.86	19.86	19.85	21.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.86	19.85	19.81	21.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.83	19.85	19.76	21.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.80	19.85	19.84	21.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.77	19.79	19.82	21.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.86	19.77	19.83	21.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.82	19.81	19.81	21.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.83	19.81	19.80	21.2



TDD FR1 Part 270 n77 SRS PC2_TX2 (Index 3)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.4
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.01	20.05	20.05	
100	PI/2 BPSK	1	137	19.77	19.81	19.71	20.4
100	PI/2 BPSK	1	271	19.77	19.81	19.80	
100	PI/2 BPSK	135	0	19.94	19.99	19.97	
100	PI/2 BPSK	135	69	19.96	20.00	19.98	20.4
100	PI/2 BPSK	135	138	19.72	19.82	19.75	
100	PI/2 BPSK	270	0	19.97	20.02	20.02	
100	QPSK	1	1	19.93	20.00	19.97	20.4
100	QPSK	1	137	19.74	19.76	19.69	
100	QPSK	1	271	19.76	19.78	19.70	
100	QPSK	135	0	20.26	20.32	20.22	20.4
100	QPSK	135	69	19.95	19.99	19.94	
100	QPSK	135	138	19.74	19.83	19.80	
100	QPSK	270	0	20.06	20.07	20.07	20.4
100	16QAM	1	1	20.04	20.05	19.95	20.4
100	64QAM	1	1	20.16	20.22	20.16	20.4
100	256QAM	1	1	20.15	20.24	20.20	20.4
Channel				649668	656000	662332	20.4
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.00	20.00	20.03	
Channel				649334	656000	662666	20.4
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.96	20.03	20.01	
Channel				649000	656000	663000	20.4
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.92	19.97	19.95	
Channel				648668	656000	663332	20.4
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.93	20.05	19.99	
Channel				648334	656000	663666	20.4
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.91	19.98	20.04	
Channel				648000	656000	664000	20.4
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.94	20.04	20.05	
Channel				647668	656000	664332	20.4
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.93	20.00	19.96	
Channel				647500	656000	664500	20.4
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.00	19.96	20.02	
Channel				647334	656000	664666	20.4
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.92	19.97	20.04	
Channel				647168	656000	664832	20.4
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.96	19.96	20.01	
Channel				647000	656000	665000	20.4
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.91	19.97	20.00	



TDD FR1 Part 27Q n77 SRS PC2_TX2 (Index 3)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		20.4
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.86		20.4
100	PI/2 BPSK	1	137		19.85		
100	PI/2 BPSK	1	271		19.83		20.4
100	PI/2 BPSK	135	0		20.19		
100	PI/2 BPSK	135	69		20.20		20.4
100	PI/2 BPSK	135	138		19.78		
100	PI/2 BPSK	270	0		20.14		20.4
100	QPSK	1	1		19.74		
100	QPSK	1	137		19.94		20.4
100	QPSK	1	271		19.79		
100	QPSK	135	0		20.40		20.4
100	QPSK	135	69		20.16		
100	QPSK	135	138		19.78		20.4
100	QPSK	270	0		20.15		
100	16QAM	1	1		19.78		20.4
100	64QAM	1	1		19.86		20.4
100	256QAM	1	1		19.89		20.4
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.81	19.86	19.84	20.4
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.81	19.77	19.86	20.4
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.83	19.83	19.76	20.4
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.86	19.86	19.85	20.4
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.86	19.85	19.81	20.4
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.83	19.85	19.76	20.4
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.80	19.85	19.84	20.4
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.77	19.79	19.82	20.4
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.86	19.77	19.83	20.4
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.82	19.81	19.81	20.4
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.83	19.81	19.80	20.4



TDD FR1 Part 270 n77 SRS PC2_TX2 (Index 4/5/6)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.92	22.00	21.91	
100	PI/2 BPSK	1	137	21.79	21.81	21.80	22.8
100	PI/2 BPSK	1	271	21.70	21.77	21.73	
100	PI/2 BPSK	135	0	22.06	22.14	22.06	
100	PI/2 BPSK	135	69	22.10	22.15	22.08	22.8
100	PI/2 BPSK	135	138	21.80	21.85	21.81	
100	PI/2 BPSK	270	0	22.03	22.05	22.02	
100	QPSK	1	1	21.93	22.00	22.00	22.8
100	QPSK	1	137	21.79	21.79	21.73	
100	QPSK	1	271	21.69	21.79	21.74	
100	QPSK	135	0	22.30	22.33	22.23	22.8
100	QPSK	135	69	21.91	22.01	21.96	
100	QPSK	135	138	21.79	21.85	21.78	
100	QPSK	270	0	22.00	22.04	22.01	22.8
100	16QAM	1	1	22.01	22.02	21.93	22.8
100	64QAM	1	1	22.18	22.21	22.13	22.8
100	256QAM	1	1	20.55	20.59	20.51	21.3
Channel				649668	656000	662332	22.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.87	21.91	21.88	
Channel				649334	656000	662666	22.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.84	22.00	21.90	
Channel				649000	656000	663000	22.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.85	21.96	21.89	
Channel				648668	656000	663332	22.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.86	21.94	21.84	
Channel				648334	656000	663666	22.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.84	21.97	21.87	
Channel				648000	656000	664000	22.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.85	21.97	21.86	
Channel				647668	656000	664332	22.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.86	21.93	21.89	
Channel				647500	656000	664500	22.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.92	21.98	21.87	
Channel				647334	656000	664666	22.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.88	21.95	21.84	
Channel				647168	656000	664832	22.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.88	21.97	21.84	
Channel				647000	656000	665000	22.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.88	22.00	21.84	



TDD FR1 Part 27Q n77 SRS PC2_TX2 (Index 4/5/6)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		22.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.01		22.8
100	PI/2 BPSK	1	137		22.00		
100	PI/2 BPSK	1	271		21.90		22.8
100	PI/2 BPSK	135	0		22.34		
100	PI/2 BPSK	135	69		22.35		22.8
100	PI/2 BPSK	135	138		21.91		
100	PI/2 BPSK	270	0		22.24		22.8
100	QPSK	1	1		21.84		
100	QPSK	1	137		22.04		22.8
100	QPSK	1	271		21.87		
100	QPSK	135	0		22.51		22.8
100	QPSK	135	69		22.28		
100	QPSK	135	138		21.92		22.8
100	QPSK	270	0		22.25		
100	16QAM	1	1		21.84		22.8
100	64QAM	1	1		21.96		22.8
100	256QAM	1	1		20.48		21.3
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.94	21.94	21.92	22.8
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.91	21.93	22.00	22.8
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.91	21.91	21.94	22.8
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.01	21.93	21.93	22.8
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.94	21.91	21.93	22.8
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.00	21.94	21.98	22.8
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.00	21.97	21.98	22.8
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.92	21.99	21.97	22.8
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.00	21.94	21.97	22.8
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.92	21.91	21.92	22.8
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.99	21.99	21.94	22.8



TDD FR1 Part 270 n77 SRS PC2_TX3 (Index 1)

Ant 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				650000	656000	662000	26.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.41	25.42	24.97	
100	PI/2 BPSK	1	137	25.37	25.04	24.91	25.5
100	PI/2 BPSK	1	271	25.17	24.86	24.75	
100	PI/2 BPSK	135	0	25.23	25.12	24.69	26.0
100	PI/2 BPSK	135	69	25.53	25.25	25.12	
100	PI/2 BPSK	135	138	24.74	24.49	24.31	25.5
100	PI/2 BPSK	270	0	25.06	24.75	24.48	
100	QPSK	1	1	25.40	25.37	24.91	26.0
100	QPSK	1	137	25.31	25.00	24.88	
100	QPSK	1	271	25.13	24.85	24.75	
100	QPSK	135	0	24.74	24.62	24.21	26.0
100	QPSK	135	69	25.50	25.23	25.11	
100	QPSK	135	138	24.23	24.00	23.81	25.0
100	QPSK	270	0	24.58	24.25	23.98	
100	16QAM	1	1	24.48	24.39	24.00	25.0
100	64QAM	1	1	23.10	23.04	22.68	23.5
100	256QAM	1	1	21.10	20.98	20.55	21.5
Channel				649668	656000	662332	26.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.32	25.03	24.82	
Channel				649334	656000	662666	26.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.27	25.00	24.75	
Channel				649000	656000	663000	26.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.30	25.00	24.69	
Channel				648668	656000	663332	26.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.15	25.03	24.77	
Channel				648334	656000	663666	26.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.26	25.39	24.85	
Channel				648000	656000	664000	26.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.35	25.40	24.90	
Channel				647668	656000	664332	26.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.21	25.37	24.88	
Channel				647500	656000	664500	26.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.37	25.38	24.81	
Channel				647334	656000	664666	26.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.34	25.10	24.77	
Channel				647168	656000	664832	26.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.33	25.40	24.76	
Channel				647000	656000	665000	26.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.29	25.38	24.80	



TDD FR1 Part 27Q n77 SRS PC2_TX3 (Index 1)

Ant 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					633332		26.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.11		26.0
100	PI/2 BPSK	1	137		25.41		
100	PI/2 BPSK	1	271		25.26		25.5
100	PI/2 BPSK	135	0		25.25		
100	PI/2 BPSK	135	69		25.59		26.0
100	PI/2 BPSK	135	138		24.73		
100	PI/2 BPSK	270	0		25.09		25.5
100	QPSK	1	1		25.05		
100	QPSK	1	137		25.36		26.0
100	QPSK	1	271		25.25		
100	QPSK	135	0		24.81		26.0
100	QPSK	135	69		25.57		
100	QPSK	135	138		24.26		25.0
100	QPSK	270	0		24.60		
100	16QAM	1	1		24.08		25.0
100	64QAM	1	1		22.81		23.5
100	256QAM	1	1		20.77		21.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.04	25.05	25.05	26.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.00	25.06	25.06	26.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.01	25.05	25.07	26.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.99	25.07	25.04	26.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.12	25.32	25.28	26.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.16	25.35	25.33	26.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.19	25.37	25.29	26.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.20	25.31	25.34	26.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.09	25.20	25.22	26.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.02	25.19	25.17	26.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.03	25.15	25.20	26.0



TDD FR1 Part 270 n77 SRS PC2_TX3 (Index 2)

Ant 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				650000	656000	662000	20.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.32	19.37	19.37	
100	PI/2 BPSK	1	137	18.92	18.98	18.93	20.7
100	PI/2 BPSK	1	271	18.83	18.90	18.84	
100	PI/2 BPSK	135	0	19.17	19.18	19.17	
100	PI/2 BPSK	135	69	19.18	19.19	19.19	20.7
100	PI/2 BPSK	135	138	18.95	18.97	18.90	
100	PI/2 BPSK	270	0	19.22	19.25	19.16	
100	QPSK	1	1	19.30	19.37	19.31	20.7
100	QPSK	1	137	18.91	18.98	18.95	
100	QPSK	1	271	18.79	18.89	18.82	
100	QPSK	135	0	19.60	19.61	19.60	20.7
100	QPSK	135	69	19.11	19.21	19.11	
100	QPSK	135	138	18.89	18.99	18.96	
100	QPSK	270	0	19.19	19.27	19.17	20.7
100	16QAM	1	1	19.38	19.45	19.35	20.7
100	64QAM	1	1	19.51	19.52	19.44	20.7
100	256QAM	1	1	19.48	19.51	19.51	20.7
Channel				649668	656000	662332	20.7
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.34	19.24	19.21	
Channel				649334	656000	662666	20.7
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.33	19.24	19.29	
Channel				649000	656000	663000	20.7
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.28	19.29	19.21	
Channel				648668	656000	663332	20.7
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.27	19.26	19.30	
Channel				648334	656000	663666	20.7
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.32	19.29	19.30	
Channel				648000	656000	664000	20.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.27	19.24	19.25	
Channel				647668	656000	664332	20.7
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.33	19.27	19.27	
Channel				647500	656000	664500	20.7
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.35	19.20	19.27	
Channel				647334	656000	664666	20.7
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.33	19.26	19.24	
Channel				647168	656000	664832	20.7
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.27	19.22	19.23	
Channel				647000	656000	665000	20.7
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.30	19.22	19.21	



TDD FR1 Part 27Q n77 SRS PC2_TX2 (Index 2)

Ant 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					633332		20.7
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.10		20.7
100	PI/2 BPSK	1	137		19.09		
100	PI/2 BPSK	1	271		19.09		
100	PI/2 BPSK	135	0		19.54		20.7
100	PI/2 BPSK	135	69		19.55		20.7
100	PI/2 BPSK	135	138		19.23		20.7
100	PI/2 BPSK	270	0		19.54		
100	QPSK	1	1		19.11		20.7
100	QPSK	1	137		19.31		
100	QPSK	1	271		19.20		
100	QPSK	135	0		19.76		20.7
100	QPSK	135	69		19.56		
100	QPSK	135	138		19.18		
100	QPSK	270	0		19.52		20.7
100	16QAM	1	1		19.12		20.7
100	64QAM	1	1		19.32		20.7
100	256QAM	1	1		19.22		20.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.07	18.98	19.10	20.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.01	19.00	19.02	20.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.02	19.00	19.10	20.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.05	18.95	19.04	20.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.02	18.98	19.00	20.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.08	18.96	19.05	20.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.01	19.03	19.05	20.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.00	18.94	19.08	20.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.04	18.95	19.00	20.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.08	18.94	19.03	20.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.08	18.97	19.07	20.7



TDD FR1 Part 270 n77 SRS PC2_TX3 (Index 3)

Ant 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				650000	656000	662000	19.9
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.32	19.37	19.37	
100	PI/2 BPSK	1	137	18.92	18.98	18.93	19.9
100	PI/2 BPSK	1	271	18.83	18.90	18.84	
100	PI/2 BPSK	135	0	19.17	19.18	19.17	
100	PI/2 BPSK	135	69	19.18	19.19	19.19	19.9
100	PI/2 BPSK	135	138	18.95	18.97	18.90	
100	PI/2 BPSK	270	0	19.22	19.25	19.16	
100	QPSK	1	1	19.30	19.37	19.31	19.9
100	QPSK	1	137	18.91	18.98	18.95	
100	QPSK	1	271	18.79	18.89	18.82	
100	QPSK	135	0	19.60	19.61	19.60	19.9
100	QPSK	135	69	19.11	19.21	19.11	
100	QPSK	135	138	18.89	18.99	18.96	
100	QPSK	270	0	19.19	19.27	19.17	19.9
100	16QAM	1	1	19.38	19.45	19.35	19.9
100	64QAM	1	1	19.51	19.52	19.44	19.9
100	256QAM	1	1	19.48	19.51	19.51	19.9
Channel				649668	656000	662332	19.9
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.34	19.24	19.21	
Channel				649334	656000	662666	19.9
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.33	19.24	19.29	
Channel				649000	656000	663000	19.9
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.28	19.29	19.21	
Channel				648668	656000	663332	19.9
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.27	19.26	19.30	
Channel				648334	656000	663666	19.9
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.32	19.29	19.30	
Channel				648000	656000	664000	19.9
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.27	19.24	19.25	
Channel				647668	656000	664332	19.9
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.33	19.27	19.27	
Channel				647500	656000	664500	19.9
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.35	19.20	19.27	
Channel				647334	656000	664666	19.9
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.33	19.26	19.24	
Channel				647168	656000	664832	19.9
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.27	19.22	19.23	
Channel				647000	656000	665000	19.9
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.30	19.22	19.21	



TDD FR1 Part 27Q n77 SRS PC2_TX3 (Index 3)

Ant 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					633332		19.9
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.10		19.9
100	PI/2 BPSK	1	137		19.09		
100	PI/2 BPSK	1	271		19.09		
100	PI/2 BPSK	135	0		19.54		19.9
100	PI/2 BPSK	135	69		19.55		19.9
100	PI/2 BPSK	135	138		19.23		19.9
100	PI/2 BPSK	270	0		19.54		
100	QPSK	1	1		19.11		19.9
100	QPSK	1	137		19.31		
100	QPSK	1	271		19.20		
100	QPSK	135	0		19.76		19.9
100	QPSK	135	69		19.56		
100	QPSK	135	138		19.18		
100	QPSK	270	0		19.52		19.9
100	16QAM	1	1		19.12		19.9
100	64QAM	1	1		19.32		19.9
100	256QAM	1	1		19.22		19.9
Channel				633000	633332	633666	19.9
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.07	18.98	19.10	19.9
Channel				632668	633332	634000	19.9
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.01	19.00	19.02	19.9
Channel				632334	633332	634332	19.9
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.02	19.00	19.10	19.9
Channel				632000	633332	634666	19.9
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.05	18.95	19.04	19.9
Channel				631668	633332	635000	19.9
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.02	18.98	19.00	19.9
Channel				631334	633332	635332	19.9
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.08	18.96	19.05	19.9
Channel				631000	633332	635666	19.9
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.01	19.03	19.05	19.9
Channel				630834	633332	635832	19.9
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.00	18.94	19.08	19.9
Channel				630668	633332	636000	19.9
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.04	18.95	19.00	19.9
Channel				630500	633332	636166	19.9
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.08	18.94	19.03	19.9
Channel				630334	633332	636332	19.9
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.08	18.97	19.07	19.9



TDD FR1 Part 270 n77 SRS PC2_TX3 (Index 4/5/6)

Ant 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				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.22	21.25	21.20	22.5
100	PI/2 BPSK	1	137	20.90	20.90	20.81	
100	PI/2 BPSK	1	271	20.79	20.86	20.79	
100	PI/2 BPSK	135	0	21.43	21.46	21.36	22.5
100	PI/2 BPSK	135	69	21.45	21.47	21.38	22.5
100	PI/2 BPSK	135	138	20.96	20.99	20.93	22.5
100	PI/2 BPSK	270	0	21.25	21.26	21.16	
100	QPSK	1	1	21.16	21.23	21.15	22.5
100	QPSK	1	137	20.84	20.87	20.85	
100	QPSK	1	271	20.77	20.84	20.75	
100	QPSK	135	0	21.37	21.40	21.37	22.5
100	QPSK	135	69	21.41	21.41	21.41	
100	QPSK	135	138	20.94	20.98	20.92	
100	QPSK	270	0	21.13	21.16	21.10	22.5
100	16QAM	1	1	21.34	21.44	21.42	22.5
100	64QAM	1	1	21.38	21.46	21.45	22.5
100	256QAM	1	1	20.91	20.95	20.89	21.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.17	21.24	21.11	22.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.18	21.21	21.13	22.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.15	21.20	21.19	22.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.13	21.17	21.12	22.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.21	21.16	21.17	22.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.19	21.20	21.13	22.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.20	21.25	21.15	22.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.17	21.19	21.14	22.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.14	21.16	21.13	22.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.22	21.17	21.18	22.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.21	21.24	21.16	22.5



TDD FR1 Part 27Q n77 SRS PC2_TX3 (Index 4/5/6)

Ant 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					633332		22.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.30		22.5
100	PI/2 BPSK	1	137		21.27		
100	PI/2 BPSK	1	271		21.21		
100	PI/2 BPSK	135	0		21.73		22.5
100	PI/2 BPSK	135	69		21.75		22.5
100	PI/2 BPSK	135	138		21.25		22.5
100	PI/2 BPSK	270	0		21.56		
100	QPSK	1	1		21.29		22.5
100	QPSK	1	137		21.21		
100	QPSK	1	271		21.17		
100	QPSK	135	0		21.72		22.5
100	QPSK	135	69		21.71		
100	QPSK	135	138		21.22		
100	QPSK	270	0		21.53		22.5
100	16QAM	1	1		21.10		22.5
100	64QAM	1	1		21.30		22.5
100	256QAM	1	1		20.76		21.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.20	21.29	21.24	22.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.28	21.23	21.24	22.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.26	21.30	21.25	22.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.29	21.28	21.27	22.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.24	21.21	21.29	22.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.29	21.20	21.22	22.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.23	21.22	21.24	22.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.23	21.22	21.27	22.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.30	21.24	21.20	22.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.26	21.23	21.29	22.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.21	21.23	21.25	22.5