



Appendix D. Output Power Measurement

GSM850_TX 0 (Index2/3)

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	32.38	32.31	32.30	33.50	23.38	23.31	23.30	24.50
GPRS 1 Tx slot	32.39	32.33	32.31	33.50	23.39	23.33	23.31	24.50
GPRS 2 Tx slots	31.89	31.64	31.79	32.50	25.89	25.64	25.79	26.50
GPRS 3 Tx slots	30.25	30.09	30.12	31.50	25.99	25.83	25.86	27.24
GPRS 4 Tx slots	28.85	28.54	28.52	30.50	25.85	25.54	25.52	27.50
EDGE 1 Tx slot	27.26	27.31	27.34	28.00	18.26	18.31	18.34	19.00
EDGE 2 Tx slots	26.60	26.69	26.67	27.50	20.60	20.69	20.67	21.50
EDGE 3 Tx slots	26.48	26.53	26.41	27.50	22.22	22.27	22.15	23.24
EDGE 4 Tx slots	23.77	23.70	23.54	25.50	20.77	20.70	20.54	22.50

GSM850_TX 1 (Index2)

Ant 1								
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	31.25	31.23	31.21	33.20	22.25	22.23	22.21	24.20
GPRS 1 Tx slot	31.39	31.33	31.22	33.20	22.39	22.33	22.22	24.20
GPRS 2 Tx slots	28.52	28.51	28.54	30.50	22.52	22.51	22.54	24.50
GPRS 3 Tx slots	26.55	26.53	26.55	28.50	22.29	22.27	22.29	24.24
GPRS 4 Tx slots	25.99	25.91	25.83	27.50	22.99	22.91	22.83	24.50
EDGE 1 Tx slot	27.30	27.06	26.91	28.00	18.30	18.06	17.91	19.00
EDGE 2 Tx slots	26.43	26.48	26.74	27.50	20.43	20.48	20.74	21.50
EDGE 3 Tx slots	26.63	26.61	26.43	27.50	22.37	22.35	22.17	23.24
EDGE 4 Tx slots	23.68	23.78	23.56	25.50	20.68	20.78	20.56	22.50

GSM850_TX 1 (Index3)

Ant 1								
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	31.25	31.23	31.21	32.00	22.25	22.23	22.21	23.00
GPRS 1 Tx slot	31.39	31.33	31.22	32.00	22.39	22.33	22.22	23.00
GPRS 2 Tx slots	28.52	28.51	28.54	29.30	22.52	22.51	22.54	23.30
GPRS 3 Tx slots	26.55	26.53	26.55	27.30	22.29	22.27	22.29	23.04
GPRS 4 Tx slots	25.99	25.91	25.83	26.30	22.99	22.91	22.83	23.30
EDGE 1 Tx slot	27.30	27.06	26.91	28.00	18.30	18.06	17.91	19.00
EDGE 2 Tx slots	26.43	26.48	26.74	27.50	20.43	20.48	20.74	21.50
EDGE 3 Tx slots	26.63	26.61	26.43	27.50	22.37	22.35	22.17	23.24
EDGE 4 Tx slots	23.68	23.78	23.56	25.50	20.68	20.78	20.56	22.50



GSM1900_TX 0 (Index2/3)

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	30.23	29.98	29.77	31.00	21.23	20.98	20.77	22.00
GPRS 1 Tx slot	30.24	30.00	29.79	31.00	21.24	21.00	20.79	22.00
GPRS 2 Tx slots	28.69	28.58	28.33	29.50	22.69	22.58	22.33	23.50
GPRS 3 Tx slots	27.74	27.63	27.62	29.00	23.48	23.37	23.36	24.74
GPRS 4 Tx slots	26.76	26.47	26.38	28.00	23.76	23.47	23.38	25.00
EDGE 1 Tx slot	25.14	25.15	25.11	26.00	16.14	16.15	16.11	17.00
EDGE 2 Tx slots	23.86	23.76	23.70	25.00	17.86	17.76	17.70	19.00
EDGE 3 Tx slots	23.83	23.64	23.74	25.00	19.57	19.38	19.48	20.74
EDGE 4 Tx slots	22.99	22.91	22.94	24.00	19.99	19.91	19.94	21.00

GSM1900_TX 1 (Index2/3)

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	29.56	29.48	29.23	30.80	20.56	20.48	20.23	21.80
GPRS 1 Tx slot	29.57	29.49	29.24	30.80	20.57	20.49	20.24	21.80
GPRS 2 Tx slots	28.17	28.04	27.67	29.30	22.17	22.04	21.67	23.30
GPRS 3 Tx slots	27.35	27.19	27.01	28.80	23.09	22.93	22.75	24.54
GPRS 4 Tx slots	26.02	26.06	26.03	27.80	23.02	23.06	23.03	24.80
EDGE 1 Tx slot	24.73	24.46	24.56	25.80	15.73	15.46	15.56	16.80
EDGE 2 Tx slots	23.51	23.35	23.05	24.80	17.51	17.35	17.05	18.80
EDGE 3 Tx slots	23.34	23.29	23.03	24.80	19.08	19.03	18.77	20.54
EDGE 4 Tx slots	22.99	22.91	22.94	23.80	19.99	19.91	19.94	20.80

UMTS_TX 0 (Index2/3)

Band		WCDMA II_Ant 2			WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)	
TX Channel	9262	9400	9538	1312	1413	1513	4132		4182	4233			
Rx Channel	9662	9800	9938	1537	1638	1738	4357		4407	4458			
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	24.92	24.82	24.82	25.50	24.51	24.53	24.58	25.50	24.51	24.53	24.55	25.50
3GPP Rel 99	RMC 12.2Kbps	24.93	24.83	24.84	25.50	24.52	24.55	24.60	25.50	24.52	24.54	24.56	25.50
3GPP Rel 6	HSDPA Subtest-1	24.86	24.90	24.85	25.50	24.51	24.59	24.51	25.50	24.49	24.52	24.52	25.50
3GPP Rel 6	HSDPA Subtest-2	24.71	24.82	24.85	25.50	24.41	24.54	24.58	25.50	24.51	24.49	24.50	25.50
3GPP Rel 6	HSDPA Subtest-3	24.23	24.33	24.36	25.00	23.97	24.13	24.08	25.00	24.04	23.97	24.13	25.00
3GPP Rel 6	HSDPA Subtest-4	23.79	23.88	23.92	25.00	23.91	24.08	24.12	25.00	24.04	24.01	24.04	25.00
3GPP Rel 6	HSUPA Subtest-1	24.08	24.09	24.15	25.50	23.67	23.74	23.69	25.50	23.88	23.64	23.64	25.50
3GPP Rel 6	HSUPA Subtest-2	21.99	22.08	22.03	23.50	21.54	21.72	21.76	23.50	22.10	22.12	22.01	23.50
3GPP Rel 6	HSUPA Subtest-3	24.11	24.18	24.32	24.50	23.67	23.71	23.87	24.50	23.21	23.14	23.04	24.50
3GPP Rel 6	HSUPA Subtest-4	22.53	22.68	22.64	23.50	21.85	21.94	21.80	23.50	22.11	21.99	22.05	23.50
3GPP Rel 6	HSUPA Subtest-5	24.90	24.90	24.83	25.50	24.59	24.58	24.50	25.50	24.40	24.30	24.35	25.50



UMTS_TX 1 (Index2/3)

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.04	24.16	24.15	25.30	23.64	23.62	23.78	25.30
3GPP Rel 99	RMC 12.2Kbps	24.05	24.17	24.16	25.30	23.65	23.64	23.80	25.30
3GPP Rel 6	HSDPA Subtest-1	24.16	24.11	24.15	25.30	23.63	23.78	23.76	25.30
3GPP Rel 6	HSDPA Subtest-2	24.08	24.02	24.09	25.30	23.57	23.75	23.70	25.30
3GPP Rel 6	HSDPA Subtest-3	23.58	23.54	23.58	24.80	23.09	23.25	23.21	24.80
3GPP Rel 6	HSDPA Subtest-4	23.03	23.10	23.05	24.80	23.04	23.19	23.25	24.80
3GPP Rel 6	HSUPA Subtest-1	23.38	23.40	23.40	25.30	23.32	23.38	23.42	25.30
3GPP Rel 6	HSUPA Subtest-2	22.54	22.62	22.67	23.30	21.44	21.48	22.27	23.30
3GPP Rel 6	HSUPA Subtest-3	23.25	23.25	23.27	24.30	22.90	22.76	22.87	24.30
3GPP Rel 6	HSUPA Subtest-4	22.57	22.67	22.69	23.30	21.35	21.74	22.77	23.30
3GPP Rel 6	HSUPA Subtest-5	24.00	24.12	24.08	25.30	23.75	23.72	23.76	25.30

UMTS_TX 1 (Index2)

Band		WCDMA V_Ant 1			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	22.58	22.49	22.56	24.30
3GPP Rel 99	RMC 12.2Kbps	22.66	22.56	22.61	24.30
3GPP Rel 6	HSDPA Subtest-1	21.73	21.66	21.62	23.30
3GPP Rel 6	HSDPA Subtest-2	21.75	21.60	21.67	23.30
3GPP Rel 6	HSDPA Subtest-3	21.63	21.47	21.65	23.30
3GPP Rel 6	HSDPA Subtest-4	21.56	21.51	21.59	23.30
3GPP Rel 6	HSUPA Subtest-1	21.58	21.49	21.45	23.30
3GPP Rel 6	HSUPA Subtest-2	21.06	21.03	20.93	22.50
3GPP Rel 6	HSUPA Subtest-3	21.01	21.09	20.99	23.30
3GPP Rel 6	HSUPA Subtest-4	21.07	21.07	20.98	22.50
3GPP Rel 6	HSUPA Subtest-5	21.60	21.60	21.70	23.30

UMTS_TX 1 (Index3)

Band		WCDMA V_Ant 1			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	22.58	22.49	22.56	23.10
3GPP Rel 99	RMC 12.2Kbps	22.66	22.56	22.61	23.10
3GPP Rel 6	HSDPA Subtest-1	21.73	21.66	21.62	22.10
3GPP Rel 6	HSDPA Subtest-2	21.75	21.60	21.67	22.10
3GPP Rel 6	HSDPA Subtest-3	21.63	21.47	21.65	22.10
3GPP Rel 6	HSDPA Subtest-4	21.56	21.51	21.59	22.10
3GPP Rel 6	HSUPA Subtest-1	21.58	21.49	21.45	22.10
3GPP Rel 6	HSUPA Subtest-2	21.06	21.03	20.93	21.30
3GPP Rel 6	HSUPA Subtest-3	21.01	21.09	20.99	21.10
3GPP Rel 6	HSUPA Subtest-4	21.07	21.07	20.98	21.30
3GPP Rel 6	HSUPA Subtest-5	21.60	21.60	21.70	22.10



FDD LTE Band 2_TX 0 (Index2)

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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	15.40	15.44	15.28	16.7
20	QPSK	1	49	15.13	15.24	15.16	
20	QPSK	1	99	15.13	15.22	15.10	
20	QPSK	50	0	15.16	15.35	15.33	16.7
20	QPSK	50	24	15.12	15.27	15.12	
20	QPSK	50	50	15.11	15.20	15.11	
20	QPSK	100	0	15.12	15.27	15.12	16.7
20	16QAM	1	0	15.34	15.34	15.33	
20	16QAM	1	49	15.13	15.23	15.10	
20	16QAM	1	99	15.11	15.21	15.13	16.7
20	16QAM	50	0	15.21	15.37	15.19	
20	16QAM	50	24	15.24	15.27	15.25	
20	16QAM	50	50	15.15	15.19	15.11	16.7
20	16QAM	100	0	15.12	15.24	15.20	
20	64QAM	1	0	15.30	15.41	15.21	
20	64QAM	1	49	15.10	15.23	15.19	
20	64QAM	1	99	15.15	15.22	15.20	
20	64QAM	50	0	15.23	15.30	15.10	16.7
20	64QAM	50	24	15.12	15.25	15.22	
20	64QAM	50	50	15.10	15.18	15.14	
20	64QAM	100	0	15.25	15.29	15.23	16.7
20	256QAM	1	0	15.23	15.43	15.27	
20	256QAM	1	49	15.14	15.34	15.16	
20	256QAM	1	99	15.24	15.31	15.18	16.7
20	256QAM	50	0	15.19	15.35	15.16	
20	256QAM	50	24	15.19	15.24	15.16	
20	256QAM	50	50	15.11	15.16	15.12	16.7
20	256QAM	100	0	15.19	15.26	15.13	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.38	15.34	15.23	16.7
15	QPSK	1	37	15.10	15.17	15.15	
15	QPSK	1	74	15.12	15.22	15.18	
15	QPSK	36	0	15.14	15.35	15.27	16.7
15	QPSK	36	20	15.13	15.17	15.16	
15	QPSK	36	39	15.12	15.16	15.16	
15	QPSK	75	0	15.15	15.18	15.15	16.7
15	16QAM	1	0	15.29	15.31	15.29	
15	16QAM	1	37	15.15	15.18	15.16	
15	16QAM	1	74	15.14	15.14	15.13	16.7
15	16QAM	36	0	15.13	15.29	15.16	
15	16QAM	36	20	15.14	15.24	15.24	
15	16QAM	36	39	15.13	15.14	15.10	16.7
15	16QAM	75	0	15.16	15.16	15.17	
15	64QAM	1	0	15.29	15.37	15.11	
15	64QAM	1	37	15.12	15.13	15.10	
15	64QAM	1	74	15.15	15.21	15.20	
15	64QAM	36	0	15.18	15.27	15.16	16.7
15	64QAM	36	20	15.18	15.16	15.18	
15	64QAM	36	39	15.15	15.17	15.11	



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15	64QAM	75	0	15.15	15.27	15.18	
15	256QAM	1	0	15.14	15.40	15.25	16.7
15	256QAM	1	37	15.16	15.31	15.18	
15	256QAM	1	74	15.15	15.21	15.15	
15	256QAM	36	0	15.15	15.29	15.16	16.7
15	256QAM	36	20	15.10	15.15	15.15	
15	256QAM	36	39	15.14	15.13	15.11	
15	256QAM	75	0	15.12	15.16	15.13	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	15.31	15.34	15.22	16.7
10	QPSK	1	25	15.13	15.19	15.11	
10	QPSK	1	49	15.10	15.17	15.14	
10	QPSK	25	0	15.13	15.31	15.32	16.7
10	QPSK	25	12	15.14	15.19	15.16	
10	QPSK	25	25	15.15	15.17	15.14	
10	QPSK	50	0	15.11	15.20	15.11	
10	16QAM	1	0	15.31	15.26	15.32	16.7
10	16QAM	1	25	15.21	15.17	15.15	
10	16QAM	1	49	15.16	15.21	15.12	
10	16QAM	25	0	15.12	15.31	15.15	16.7
10	16QAM	25	12	15.20	15.17	15.15	
10	16QAM	25	25	15.16	15.16	15.16	
10	16QAM	50	0	15.14	15.15	15.18	
10	64QAM	1	0	15.21	15.39	15.15	16.7
10	64QAM	1	25	15.10	15.19	15.16	
10	64QAM	1	49	15.16	15.12	15.11	
10	64QAM	25	0	15.14	15.23	15.10	16.7
10	64QAM	25	12	15.18	15.24	15.18	
10	64QAM	25	25	15.12	15.14	15.10	
10	64QAM	50	0	15.25	15.25	15.22	
10	256QAM	1	0	15.23	15.41	15.19	16.7
10	256QAM	1	25	15.14	15.27	15.10	
10	256QAM	1	49	15.21	15.24	15.18	
10	256QAM	25	0	15.19	15.29	15.15	16.7
10	256QAM	25	12	15.11	15.22	15.14	
10	256QAM	25	25	15.14	15.13	15.11	
10	256QAM	50	0	15.18	15.21	15.10	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	15.38	15.38	15.19	16.7
5	QPSK	1	12	15.17	15.21	15.11	
5	QPSK	1	24	15.14	15.21	15.16	
5	QPSK	12	0	15.15	15.34	15.28	16.7
5	QPSK	12	7	15.12	15.20	15.18	
5	QPSK	12	13	15.14	15.14	15.15	
5	QPSK	25	0	15.13	15.19	15.13	
5	16QAM	1	0	15.26	15.34	15.32	16.7
5	16QAM	1	12	15.14	15.20	15.14	
5	16QAM	1	24	15.16	15.15	15.16	
5	16QAM	12	0	15.21	15.34	15.12	16.7
5	16QAM	12	7	15.24	15.20	15.23	
5	16QAM	12	13	15.18	15.13	15.20	
5	16QAM	25	0	15.13	15.14	15.18	
5	64QAM	1	0	15.24	15.34	15.18	16.7
5	64QAM	1	12	15.13	15.18	15.15	



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5	64QAM	1	24	15.11	15.16	15.17	16.7
5	64QAM	12	0	15.14	15.26	15.20	
5	64QAM	12	7	15.18	15.25	15.20	
5	64QAM	12	13	15.15	15.13	15.10	
5	64QAM	25	0	15.21	15.29	15.19	
5	256QAM	1	0	15.18	15.39	15.23	16.7
5	256QAM	1	12	15.16	15.31	15.16	
5	256QAM	1	24	15.24	15.21	15.20	
5	256QAM	12	0	15.11	15.32	15.21	16.7
5	256QAM	12	7	15.12	15.18	15.17	
5	256QAM	12	13	15.15	15.18	15.16	
5	256QAM	25	0	15.17	15.19	15.15	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	15.40	15.42	15.27	16.7
3	QPSK	1	8	15.12	15.20	15.16	
3	QPSK	1	14	15.14	15.15	15.15	
3	QPSK	8	0	15.15	15.34	15.26	16.7
3	QPSK	8	4	15.12	15.20	15.18	
3	QPSK	8	7	15.16	15.10	15.16	
3	QPSK	15	0	15.17	15.18	15.15	
3	16QAM	1	0	15.25	15.28	15.30	16.7
3	16QAM	1	8	15.18	15.17	15.13	
3	16QAM	1	14	15.12	15.17	15.14	
3	16QAM	8	0	15.21	15.28	15.17	16.7
3	16QAM	8	4	15.14	15.27	15.15	
3	16QAM	8	7	15.15	15.15	15.11	
3	16QAM	15	0	15.13	15.18	15.12	
3	64QAM	1	0	15.25	15.39	15.13	16.7
3	64QAM	1	8	15.10	15.22	15.15	
3	64QAM	1	14	15.11	15.19	15.13	
3	64QAM	8	0	15.17	15.29	15.16	16.7
3	64QAM	8	4	15.15	15.19	15.13	
3	64QAM	8	7	15.18	15.17	15.12	
3	64QAM	15	0	15.19	15.21	15.23	
3	256QAM	1	0	15.17	15.39	15.20	16.7
3	256QAM	1	8	15.15	15.25	15.18	
3	256QAM	1	14	15.23	15.25	15.10	
3	256QAM	8	0	15.13	15.28	15.16	16.7
3	256QAM	8	4	15.16	15.16	15.14	
3	256QAM	8	7	15.15	15.13	15.13	
3	256QAM	15	0	15.19	15.23	15.15	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.32	15.42	15.21	16.7
1.4	QPSK	1	3	15.12	15.23	15.10	
1.4	QPSK	1	5	15.10	15.14	15.18	
1.4	QPSK	3	0	15.12	15.34	15.28	
1.4	QPSK	3	1	15.13	15.23	15.18	
1.4	QPSK	3	3	15.18	15.13	15.18	
1.4	QPSK	6	0	15.16	15.23	15.16	16.7
1.4	16QAM	1	0	15.30	15.33	15.23	16.7
1.4	16QAM	1	3	15.15	15.23	15.16	
1.4	16QAM	1	5	15.17	15.11	15.14	
1.4	16QAM	3	0	15.15	15.31	15.14	
1.4	16QAM	3	1	15.23	15.20	15.17	



1.4	16QAM	3	3	15.18	15.10	15.10	
1.4	16QAM	6	0	15.15	15.24	15.18	16.7
1.4	64QAM	1	0	15.27	15.39	15.13	16.7
1.4	64QAM	1	3	15.19	15.13	15.18	
1.4	64QAM	1	5	15.19	15.16	15.14	
1.4	64QAM	3	0	15.16	15.29	15.14	
1.4	64QAM	3	1	15.18	15.18	15.15	
1.4	64QAM	3	3	15.11	15.16	15.16	
1.4	64QAM	6	0	15.23	15.27	15.15	
1.4	256QAM	1	0	15.16	15.41	15.22	16.7
1.4	256QAM	1	3	15.10	15.28	15.15	
1.4	256QAM	1	5	15.21	15.28	15.12	
1.4	256QAM	3	0	15.13	15.33	15.11	
1.4	256QAM	3	1	15.14	15.24	15.16	
1.4	256QAM	3	3	15.14	15.11	15.16	
1.4	256QAM	6	0	15.14	15.22	15.14	16.7

FDD LTE Band 2_TX 0 (Index3)

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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	15.40	15.44	15.28	15.5
20	QPSK	1	49	15.13	15.24	15.16	
20	QPSK	1	99	15.13	15.22	15.10	
20	QPSK	50	0	15.16	15.35	15.33	15.5
20	QPSK	50	24	15.12	15.27	15.12	
20	QPSK	50	50	15.11	15.20	15.11	
20	QPSK	100	0	15.12	15.27	15.12	
20	16QAM	1	0	15.34	15.34	15.33	15.5
20	16QAM	1	49	15.13	15.23	15.10	
20	16QAM	1	99	15.11	15.21	15.13	
20	16QAM	50	0	15.21	15.37	15.19	15.5
20	16QAM	50	24	15.24	15.27	15.25	
20	16QAM	50	50	15.15	15.19	15.11	
20	16QAM	100	0	15.12	15.24	15.20	
20	64QAM	1	0	15.30	15.41	15.21	15.5
20	64QAM	1	49	15.10	15.23	15.19	
20	64QAM	1	99	15.15	15.22	15.20	
20	64QAM	50	0	15.23	15.30	15.10	15.5
20	64QAM	50	24	15.12	15.25	15.22	
20	64QAM	50	50	15.10	15.18	15.14	
20	64QAM	100	0	15.25	15.29	15.23	
20	256QAM	1	0	15.23	15.43	15.27	15.5
20	256QAM	1	49	15.14	15.34	15.16	
20	256QAM	1	99	15.24	15.31	15.18	
20	256QAM	50	0	15.19	15.35	15.16	15.5
20	256QAM	50	24	15.19	15.24	15.16	
20	256QAM	50	50	15.11	15.16	15.12	
20	256QAM	100	0	15.19	15.26	15.13	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.38	15.34	15.23	15.5
15	QPSK	1	37	15.10	15.17	15.15	
15	QPSK	1	74	15.12	15.22	15.18	



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15	QPSK	36	0	15.14	15.35	15.27	15.5
15	QPSK	36	20	15.13	15.17	15.16	
15	QPSK	36	39	15.12	15.16	15.16	
15	QPSK	75	0	15.15	15.18	15.15	
15	16QAM	1	0	15.29	15.31	15.29	15.5
15	16QAM	1	37	15.15	15.18	15.16	
15	16QAM	1	74	15.14	15.14	15.13	
15	16QAM	36	0	15.13	15.29	15.16	15.5
15	16QAM	36	20	15.14	15.24	15.24	
15	16QAM	36	39	15.13	15.14	15.10	
15	16QAM	75	0	15.16	15.16	15.17	
15	64QAM	1	0	15.29	15.37	15.11	15.5
15	64QAM	1	37	15.12	15.13	15.10	
15	64QAM	1	74	15.15	15.21	15.20	
15	64QAM	36	0	15.18	15.27	15.16	15.5
15	64QAM	36	20	15.18	15.16	15.18	
15	64QAM	36	39	15.15	15.17	15.11	
15	64QAM	75	0	15.15	15.27	15.18	
15	256QAM	1	0	15.14	15.40	15.25	15.5
15	256QAM	1	37	15.16	15.31	15.18	
15	256QAM	1	74	15.15	15.21	15.15	
15	256QAM	36	0	15.15	15.29	15.16	15.5
15	256QAM	36	20	15.10	15.15	15.15	
15	256QAM	36	39	15.14	15.13	15.11	
15	256QAM	75	0	15.12	15.16	15.13	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	15.31	15.34	15.22	15.5
10	QPSK	1	25	15.13	15.19	15.11	
10	QPSK	1	49	15.10	15.17	15.14	
10	QPSK	25	0	15.13	15.31	15.32	15.5
10	QPSK	25	12	15.14	15.19	15.16	
10	QPSK	25	25	15.15	15.17	15.14	
10	QPSK	50	0	15.11	15.20	15.11	
10	16QAM	1	0	15.31	15.26	15.32	15.5
10	16QAM	1	25	15.21	15.17	15.15	
10	16QAM	1	49	15.16	15.21	15.12	
10	16QAM	25	0	15.12	15.31	15.15	15.5
10	16QAM	25	12	15.20	15.17	15.15	
10	16QAM	25	25	15.16	15.16	15.16	
10	16QAM	50	0	15.14	15.15	15.18	
10	64QAM	1	0	15.21	15.39	15.15	15.5
10	64QAM	1	25	15.10	15.19	15.16	
10	64QAM	1	49	15.16	15.12	15.11	
10	64QAM	25	0	15.14	15.23	15.10	15.5
10	64QAM	25	12	15.18	15.24	15.18	
10	64QAM	25	25	15.12	15.14	15.10	
10	64QAM	50	0	15.25	15.25	15.22	
10	256QAM	1	0	15.23	15.41	15.19	15.5
10	256QAM	1	25	15.14	15.27	15.10	
10	256QAM	1	49	15.21	15.24	15.18	
10	256QAM	25	0	15.19	15.29	15.15	15.5
10	256QAM	25	12	15.11	15.22	15.14	
10	256QAM	25	25	15.14	15.13	15.11	
10	256QAM	50	0	15.18	15.21	15.10	
Channel				18625	18900	19175	



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Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	15.38	15.38	15.19	15.5
5	QPSK	1	12	15.17	15.21	15.11	
5	QPSK	1	24	15.14	15.21	15.16	
5	QPSK	12	0	15.15	15.34	15.28	15.5
5	QPSK	12	7	15.12	15.20	15.18	
5	QPSK	12	13	15.14	15.14	15.15	
5	QPSK	25	0	15.13	15.19	15.13	15.5
5	16QAM	1	0	15.26	15.34	15.32	
5	16QAM	1	12	15.14	15.20	15.14	
5	16QAM	1	24	15.16	15.15	15.16	15.5
5	16QAM	12	0	15.21	15.34	15.12	
5	16QAM	12	7	15.24	15.20	15.23	
5	16QAM	12	13	15.18	15.13	15.20	15.5
5	16QAM	25	0	15.13	15.14	15.18	
5	64QAM	1	0	15.24	15.34	15.18	
5	64QAM	1	12	15.13	15.18	15.15	15.5
5	64QAM	1	24	15.11	15.16	15.17	
5	64QAM	12	0	15.14	15.26	15.20	
5	64QAM	12	7	15.18	15.25	15.20	15.5
5	64QAM	12	13	15.15	15.13	15.10	
5	64QAM	25	0	15.21	15.29	15.19	
5	256QAM	1	0	15.18	15.39	15.23	15.5
5	256QAM	1	12	15.16	15.31	15.16	
5	256QAM	1	24	15.24	15.21	15.20	
5	256QAM	12	0	15.11	15.32	15.21	15.5
5	256QAM	12	7	15.12	15.18	15.17	
5	256QAM	12	13	15.15	15.18	15.16	
5	256QAM	25	0	15.17	15.19	15.15	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	15.40	15.42	15.27	15.5
3	QPSK	1	8	15.12	15.20	15.16	
3	QPSK	1	14	15.14	15.15	15.15	
3	QPSK	8	0	15.15	15.34	15.26	15.5
3	QPSK	8	4	15.12	15.20	15.18	
3	QPSK	8	7	15.16	15.10	15.16	
3	QPSK	15	0	15.17	15.18	15.15	15.5
3	16QAM	1	0	15.25	15.28	15.30	
3	16QAM	1	8	15.18	15.17	15.13	
3	16QAM	1	14	15.12	15.17	15.14	15.5
3	16QAM	8	0	15.21	15.28	15.17	
3	16QAM	8	4	15.14	15.27	15.15	
3	16QAM	8	7	15.15	15.15	15.11	15.5
3	16QAM	15	0	15.13	15.18	15.12	
3	64QAM	1	0	15.25	15.39	15.13	
3	64QAM	1	8	15.10	15.22	15.15	15.5
3	64QAM	1	14	15.11	15.19	15.13	
3	64QAM	8	0	15.17	15.29	15.16	
3	64QAM	8	4	15.15	15.19	15.13	15.5
3	64QAM	8	7	15.18	15.17	15.12	
3	64QAM	15	0	15.19	15.21	15.23	
3	256QAM	1	0	15.17	15.39	15.20	15.5
3	256QAM	1	8	15.15	15.25	15.18	
3	256QAM	1	14	15.23	15.25	15.10	
3	256QAM	8	0	15.13	15.28	15.16	15.5



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3	256QAM	8	4	15.16	15.16	15.14	
3	256QAM	8	7	15.15	15.13	15.13	
3	256QAM	15	0	15.19	15.23	15.15	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.32	15.42	15.21	15.5
1.4	QPSK	1	3	15.12	15.23	15.10	
1.4	QPSK	1	5	15.10	15.14	15.18	
1.4	QPSK	3	0	15.12	15.34	15.28	
1.4	QPSK	3	1	15.13	15.23	15.18	
1.4	QPSK	3	3	15.18	15.13	15.18	
1.4	QPSK	6	0	15.16	15.23	15.16	15.5
1.4	16QAM	1	0	15.30	15.33	15.23	15.5
1.4	16QAM	1	3	15.15	15.23	15.16	
1.4	16QAM	1	5	15.17	15.11	15.14	
1.4	16QAM	3	0	15.15	15.31	15.14	
1.4	16QAM	3	1	15.23	15.20	15.17	
1.4	16QAM	3	3	15.18	15.10	15.10	
1.4	16QAM	6	0	15.15	15.24	15.18	15.5
1.4	64QAM	1	0	15.27	15.39	15.13	15.5
1.4	64QAM	1	3	15.19	15.13	15.18	
1.4	64QAM	1	5	15.19	15.16	15.14	
1.4	64QAM	3	0	15.16	15.29	15.14	
1.4	64QAM	3	1	15.18	15.18	15.15	
1.4	64QAM	3	3	15.11	15.16	15.16	
1.4	64QAM	6	0	15.23	15.27	15.15	15.5
1.4	256QAM	1	0	15.16	15.41	15.22	15.5
1.4	256QAM	1	3	15.10	15.28	15.15	
1.4	256QAM	1	5	15.21	15.28	15.12	
1.4	256QAM	3	0	15.13	15.33	15.11	
1.4	256QAM	3	1	15.14	15.24	15.16	
1.4	256QAM	3	3	15.14	15.11	15.16	
1.4	256QAM	6	0	15.14	15.22	15.14	15.5



FDD LTE Band 2_TX 1 (Index2)

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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.42	23.40	23.40	25.3
20	QPSK	1	49	23.33	23.35	23.35	
20	QPSK	1	99	23.37	23.36	23.36	
20	QPSK	50	0	22.75	22.71	22.74	24.3
20	QPSK	50	24	22.70	22.70	22.80	
20	QPSK	50	50	22.63	22.63	22.60	
20	QPSK	100	0	22.88	22.82	22.82	24.3
20	16QAM	1	0	22.85	22.88	22.79	
20	16QAM	1	49	22.66	22.62	22.52	
20	16QAM	1	99	22.67	22.76	22.71	23.3
20	16QAM	50	0	22.38	22.48	22.53	
20	16QAM	50	24	22.35	22.44	22.41	
20	16QAM	50	50	22.32	22.31	22.40	23.3
20	16QAM	100	0	22.31	22.36	22.44	
20	64QAM	1	0	22.46	22.38	22.32	
20	64QAM	1	49	22.33	22.29	22.39	22.3
20	64QAM	1	99	22.60	22.61	22.69	
20	64QAM	50	0	21.33	21.25	21.34	
20	64QAM	50	24	21.25	21.30	21.33	20.3
20	64QAM	50	50	21.24	21.23	21.13	
20	64QAM	100	0	21.29	21.29	21.35	
20	256QAM	1	0	19.62	19.70	19.72	20.3
20	256QAM	1	49	19.16	19.06	19.03	
20	256QAM	1	99	19.19	19.12	19.13	
20	256QAM	50	0	19.21	19.14	19.23	20.3
20	256QAM	50	24	19.24	19.19	19.21	
20	256QAM	50	50	19.10	19.00	18.90	
20	256QAM	100	0	19.19	19.28	19.23	20.3
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.41	23.32	23.30	25.3
15	QPSK	1	37	23.36	23.33	23.31	
15	QPSK	1	74	23.37	23.36	23.35	
15	QPSK	36	0	22.63	22.58	22.72	24.3
15	QPSK	36	20	22.60	22.72	22.70	
15	QPSK	36	39	22.53	22.53	22.52	
15	QPSK	75	0	22.88	22.73	22.80	24.3
15	16QAM	1	0	22.85	22.79	22.71	
15	16QAM	1	37	22.63	22.55	22.48	
15	16QAM	1	74	22.66	22.72	22.70	23.3
15	16QAM	36	0	22.32	22.43	22.43	
15	16QAM	36	20	22.35	22.43	22.41	
15	16QAM	36	39	22.32	22.23	22.30	23.3
15	16QAM	75	0	22.21	22.28	22.42	
15	64QAM	1	0	22.36	22.31	22.26	
15	64QAM	1	37	22.25	22.23	22.38	22.3
15	64QAM	1	74	22.55	22.52	22.64	
15	64QAM	36	0	21.23	21.23	21.29	
15	64QAM	36	20	21.25	21.28	21.30	22.3
15	64QAM	36	39	21.23	21.15	21.04	



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15	64QAM	75	0	21.19	21.29	21.31	
15	256QAM	1	0	19.58	19.63	19.71	20.3
15	256QAM	1	37	19.15	19.00	19.00	
15	256QAM	1	74	19.11	19.10	19.10	
15	256QAM	36	0	19.11	19.05	19.23	20.3
15	256QAM	36	20	19.23	19.17	19.21	
15	256QAM	36	39	19.01	18.92	18.87	
15	256QAM	75	0	19.16	19.20	19.23	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.36	23.41	23.32	25.3
10	QPSK	1	25	23.35	23.32	23.33	
10	QPSK	1	49	23.34	23.33	23.34	
10	QPSK	25	0	22.67	22.58	22.71	24.3
10	QPSK	25	12	22.60	22.69	22.80	
10	QPSK	25	25	22.59	22.61	22.54	
10	QPSK	50	0	22.82	22.81	22.75	
10	16QAM	1	0	22.77	22.83	22.71	24.3
10	16QAM	1	25	22.57	22.52	22.42	
10	16QAM	1	49	22.61	22.74	22.69	
10	16QAM	25	0	22.29	22.38	22.43	23.3
10	16QAM	25	12	22.34	22.41	22.35	
10	16QAM	25	25	22.31	22.21	22.32	
10	16QAM	50	0	22.27	22.26	22.39	
10	64QAM	1	0	22.43	22.35	22.22	23.3
10	64QAM	1	25	22.30	22.28	22.35	
10	64QAM	1	49	22.50	22.52	22.63	
10	64QAM	25	0	21.30	21.15	21.33	22.3
10	64QAM	25	12	21.21	21.20	21.25	
10	64QAM	25	25	21.22	21.20	21.08	
10	64QAM	50	0	21.22	21.27	21.33	
10	256QAM	1	0	19.56	19.69	19.65	20.3
10	256QAM	1	25	19.07	19.01	18.98	
10	256QAM	1	49	19.16	19.05	19.09	
10	256QAM	25	0	19.16	19.06	19.20	20.3
10	256QAM	25	12	19.15	19.14	19.12	
10	256QAM	25	25	19.02	18.99	18.86	
10	256QAM	50	0	19.16	19.24	19.19	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.40	23.33	23.39	25.3
5	QPSK	1	12	23.33	23.35	23.34	
5	QPSK	1	24	23.38	23.31	23.31	
5	QPSK	12	0	22.68	22.65	22.68	24.3
5	QPSK	12	7	22.62	22.76	22.79	
5	QPSK	12	13	22.62	22.55	22.52	
5	QPSK	25	0	22.85	22.78	22.82	
5	16QAM	1	0	22.75	22.86	22.69	24.3
5	16QAM	1	12	22.62	22.59	22.49	
5	16QAM	1	24	22.62	22.69	22.68	
5	16QAM	12	0	22.35	22.40	22.53	23.3
5	16QAM	12	7	22.31	22.34	22.40	
5	16QAM	12	13	22.23	22.28	22.37	
5	16QAM	25	0	22.30	22.31	22.37	
5	64QAM	1	0	22.40	22.35	22.28	23.3
5	64QAM	1	12	22.23	22.21	22.30	



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5	64QAM	1	24	22.53	22.57	22.59	
5	64QAM	12	0	21.28	21.16	21.29	22.3
5	64QAM	12	7	21.18	21.21	21.29	
5	64QAM	12	13	21.15	21.19	21.04	
5	64QAM	25	0	21.24	21.29	21.34	
5	256QAM	1	0	19.61	19.62	19.65	20.3
5	256QAM	1	12	19.07	19.04	18.96	
5	256QAM	1	24	19.17	19.02	19.07	
5	256QAM	12	0	19.18	19.11	19.17	20.3
5	256QAM	12	7	19.23	19.11	19.12	
5	256QAM	12	13	19.02	18.93	18.86	
5	256QAM	25	0	19.11	19.18	19.20	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.40	23.35	23.38	25.3
3	QPSK	1	8	23.41	23.36	23.31	
3	QPSK	1	14	23.30	23.32	23.31	
3	QPSK	8	0	22.68	22.59	22.68	24.3
3	QPSK	8	4	22.62	22.75	22.74	
3	QPSK	8	7	22.57	22.61	22.56	
3	QPSK	15	0	22.85	22.79	22.76	
3	16QAM	1	0	22.84	22.88	22.75	24.3
3	16QAM	1	8	22.64	22.58	22.46	
3	16QAM	1	14	22.64	22.74	22.71	
3	16QAM	8	0	22.38	22.45	22.49	23.3
3	16QAM	8	4	22.35	22.39	22.40	
3	16QAM	8	7	22.26	22.24	22.36	
3	16QAM	15	0	22.31	22.28	22.41	
3	64QAM	1	0	22.41	22.37	22.26	23.3
3	64QAM	1	8	22.33	22.23	22.33	
3	64QAM	1	14	22.53	22.53	22.69	
3	64QAM	8	0	21.27	21.17	21.32	
3	64QAM	8	4	21.23	21.30	21.28	22.3
3	64QAM	8	7	21.15	21.13	21.05	
3	64QAM	15	0	21.29	21.27	21.32	
3	256QAM	1	0	19.61	19.69	19.63	
3	256QAM	1	8	19.15	19.03	18.94	20.3
3	256QAM	1	14	19.14	19.03	19.05	
3	256QAM	8	0	19.19	19.07	19.17	
3	256QAM	8	4	19.23	19.16	19.15	20.3
3	256QAM	8	7	19.01	18.98	18.81	
3	256QAM	15	0	19.18	19.20	19.23	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.40	23.37	23.39	25.3
1.4	QPSK	1	3	23.34	23.34	23.33	
1.4	QPSK	1	5	23.37	23.31	23.34	
1.4	QPSK	3	0	23.38	23.40	23.37	
1.4	QPSK	3	1	23.35	23.37	23.35	
1.4	QPSK	3	3	23.34	23.38	23.35	
1.4	QPSK	6	0	22.75	22.69	22.85	24.3
1.4	16QAM	1	0	22.73	22.88	22.74	24.3
1.4	16QAM	1	3	22.71	22.75	22.93	
1.4	16QAM	1	5	22.58	22.63	22.65	
1.4	16QAM	3	0	22.69	22.58	22.63	
1.4	16QAM	3	1	22.70	22.58	22.55	



1.4	16QAM	3	3	22.66	22.65	22.54	
1.4	16QAM	6	0	22.28	22.36	22.32	23.3
1.4	64QAM	1	0	22.29	22.41	22.21	23.3
1.4	64QAM	1	3	22.34	22.24	22.39	
1.4	64QAM	1	5	22.33	22.38	22.33	
1.4	64QAM	3	0	22.43	22.28	22.50	
1.4	64QAM	3	1	22.30	22.52	22.32	
1.4	64QAM	3	3	22.28	22.41	22.36	
1.4	64QAM	6	0	21.10	21.32	21.18	22.3
1.4	256QAM	1	0	19.07	19.33	19.20	20.3
1.4	256QAM	1	3	19.05	19.12	19.14	
1.4	256QAM	1	5	19.17	19.16	19.16	
1.4	256QAM	3	0	19.14	19.18	19.19	
1.4	256QAM	3	1	18.94	18.93	18.95	
1.4	256QAM	3	3	19.11	19.16	19.09	
1.4	256QAM	6	0	19.18	19.37	19.20	20.3

FDD LTE Band 2_TX 1 (Index3)

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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.42	23.40	23.40	24.1
20	QPSK	1	49	23.33	23.35	23.35	
20	QPSK	1	99	23.37	23.36	23.36	
20	QPSK	50	0	22.75	22.71	22.74	24.1
20	QPSK	50	24	22.70	22.70	22.80	
20	QPSK	50	50	22.63	22.63	22.60	
20	QPSK	100	0	22.88	22.82	22.82	24.1
20	16QAM	1	0	22.85	22.88	22.79	
20	16QAM	1	49	22.66	22.62	22.52	
20	16QAM	1	99	22.67	22.76	22.71	23.3
20	16QAM	50	0	22.38	22.48	22.53	
20	16QAM	50	24	22.35	22.44	22.41	
20	16QAM	50	50	22.32	22.31	22.40	23.3
20	16QAM	100	0	22.31	22.36	22.44	
20	64QAM	1	0	22.46	22.38	22.32	
20	64QAM	1	49	22.33	22.29	22.39	23.3
20	64QAM	1	99	22.60	22.61	22.69	
20	64QAM	50	0	21.33	21.25	21.34	
20	64QAM	50	24	21.25	21.30	21.33	22.3
20	64QAM	50	50	21.24	21.23	21.13	
20	64QAM	100	0	21.29	21.29	21.35	
20	256QAM	1	0	19.62	19.70	19.72	20.3
20	256QAM	1	49	19.16	19.06	19.03	
20	256QAM	1	99	19.19	19.12	19.13	
20	256QAM	50	0	19.21	19.14	19.23	20.3
20	256QAM	50	24	19.24	19.19	19.21	
20	256QAM	50	50	19.10	19.00	18.90	
20	256QAM	100	0	19.19	19.28	19.23	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.41	23.32	23.30	24.1
15	QPSK	1	37	23.36	23.33	23.31	
15	QPSK	1	74	23.37	23.36	23.35	



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15	QPSK	36	0	22.63	22.58	22.72	24.1
15	QPSK	36	20	22.60	22.72	22.70	
15	QPSK	36	39	22.53	22.53	22.52	
15	QPSK	75	0	22.88	22.73	22.80	
15	16QAM	1	0	22.85	22.79	22.71	24.1
15	16QAM	1	37	22.63	22.55	22.48	
15	16QAM	1	74	22.66	22.72	22.70	
15	16QAM	36	0	22.32	22.43	22.43	23.3
15	16QAM	36	20	22.35	22.43	22.41	
15	16QAM	36	39	22.32	22.23	22.30	
15	16QAM	75	0	22.21	22.28	22.42	
15	64QAM	1	0	22.36	22.31	22.26	23.3
15	64QAM	1	37	22.25	22.23	22.38	
15	64QAM	1	74	22.55	22.52	22.64	
15	64QAM	36	0	21.23	21.23	21.29	22.3
15	64QAM	36	20	21.25	21.28	21.30	
15	64QAM	36	39	21.23	21.15	21.04	
15	64QAM	75	0	21.19	21.29	21.31	
15	256QAM	1	0	19.58	19.63	19.71	20.3
15	256QAM	1	37	19.15	19.00	19.00	
15	256QAM	1	74	19.11	19.10	19.10	
15	256QAM	36	0	19.11	19.05	19.23	20.3
15	256QAM	36	20	19.23	19.17	19.21	
15	256QAM	36	39	19.01	18.92	18.87	
15	256QAM	75	0	19.16	19.20	19.23	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.36	23.41	23.32	24.1
10	QPSK	1	25	23.35	23.32	23.33	
10	QPSK	1	49	23.34	23.33	23.34	
10	QPSK	25	0	22.67	22.58	22.71	24.1
10	QPSK	25	12	22.60	22.69	22.80	
10	QPSK	25	25	22.59	22.61	22.54	
10	QPSK	50	0	22.82	22.81	22.75	
10	16QAM	1	0	22.77	22.83	22.71	24.1
10	16QAM	1	25	22.57	22.52	22.42	
10	16QAM	1	49	22.61	22.74	22.69	
10	16QAM	25	0	22.29	22.38	22.43	23.3
10	16QAM	25	12	22.34	22.41	22.35	
10	16QAM	25	25	22.31	22.21	22.32	
10	16QAM	50	0	22.27	22.26	22.39	
10	64QAM	1	0	22.43	22.35	22.22	23.3
10	64QAM	1	25	22.30	22.28	22.35	
10	64QAM	1	49	22.50	22.52	22.63	
10	64QAM	25	0	21.30	21.15	21.33	22.3
10	64QAM	25	12	21.21	21.20	21.25	
10	64QAM	25	25	21.22	21.20	21.08	
10	64QAM	50	0	21.22	21.27	21.33	
10	256QAM	1	0	19.56	19.69	19.65	20.3
10	256QAM	1	25	19.07	19.01	18.98	
10	256QAM	1	49	19.16	19.05	19.09	
10	256QAM	25	0	19.16	19.06	19.20	20.3
10	256QAM	25	12	19.15	19.14	19.12	
10	256QAM	25	25	19.02	18.99	18.86	
10	256QAM	50	0	19.16	19.24	19.19	
Channel				18625	18900	19175	



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Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.40	23.33	23.39	24.1
5	QPSK	1	12	23.33	23.35	23.34	
5	QPSK	1	24	23.38	23.31	23.31	
5	QPSK	12	0	22.68	22.65	22.68	24.1
5	QPSK	12	7	22.62	22.76	22.79	
5	QPSK	12	13	22.62	22.55	22.52	
5	QPSK	25	0	22.85	22.78	22.82	24.1
5	16QAM	1	0	22.75	22.86	22.69	
5	16QAM	1	12	22.62	22.59	22.49	
5	16QAM	1	24	22.62	22.69	22.68	23.3
5	16QAM	12	0	22.35	22.40	22.53	
5	16QAM	12	7	22.31	22.34	22.40	
5	16QAM	12	13	22.23	22.28	22.37	23.3
5	16QAM	25	0	22.30	22.31	22.37	
5	64QAM	1	0	22.40	22.35	22.28	
5	64QAM	1	12	22.23	22.21	22.30	22.3
5	64QAM	1	24	22.53	22.57	22.59	
5	64QAM	12	0	21.28	21.16	21.29	
5	64QAM	12	7	21.18	21.21	21.29	20.3
5	64QAM	12	13	21.15	21.19	21.04	
5	64QAM	25	0	21.24	21.29	21.34	
5	256QAM	1	0	19.61	19.62	19.65	20.3
5	256QAM	1	12	19.07	19.04	18.96	
5	256QAM	1	24	19.17	19.02	19.07	
5	256QAM	12	0	19.18	19.11	19.17	20.3
5	256QAM	12	7	19.23	19.11	19.12	
5	256QAM	12	13	19.02	18.93	18.86	
5	256QAM	25	0	19.11	19.18	19.20	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.40	23.35	23.38	24.1
3	QPSK	1	8	23.41	23.36	23.31	
3	QPSK	1	14	23.30	23.32	23.31	
3	QPSK	8	0	22.68	22.59	22.68	24.1
3	QPSK	8	4	22.62	22.75	22.74	
3	QPSK	8	7	22.57	22.61	22.56	
3	QPSK	15	0	22.85	22.79	22.76	24.1
3	16QAM	1	0	22.84	22.88	22.75	
3	16QAM	1	8	22.64	22.58	22.46	
3	16QAM	1	14	22.64	22.74	22.71	23.3
3	16QAM	8	0	22.38	22.45	22.49	
3	16QAM	8	4	22.35	22.39	22.40	
3	16QAM	8	7	22.26	22.24	22.36	23.3
3	16QAM	15	0	22.31	22.28	22.41	
3	64QAM	1	0	22.41	22.37	22.26	
3	64QAM	1	8	22.33	22.23	22.33	22.3
3	64QAM	1	14	22.53	22.53	22.69	
3	64QAM	8	0	21.27	21.17	21.32	
3	64QAM	8	4	21.23	21.30	21.28	20.3
3	64QAM	8	7	21.15	21.13	21.05	
3	64QAM	15	0	21.29	21.27	21.32	
3	256QAM	1	0	19.61	19.69	19.63	20.3
3	256QAM	1	8	19.15	19.03	18.94	
3	256QAM	1	14	19.14	19.03	19.05	
3	256QAM	8	0	19.19	19.07	19.17	20.3



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3	256QAM	8	4	19.23	19.16	19.15	
3	256QAM	8	7	19.01	18.98	18.81	
3	256QAM	15	0	19.18	19.20	19.23	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.40	23.37	23.39	24.1
1.4	QPSK	1	3	23.34	23.34	23.33	
1.4	QPSK	1	5	23.37	23.31	23.34	
1.4	QPSK	3	0	23.38	23.40	23.37	
1.4	QPSK	3	1	23.35	23.37	23.35	
1.4	QPSK	3	3	23.34	23.38	23.35	
1.4	QPSK	6	0	22.75	22.69	22.85	24.1
1.4	16QAM	1	0	22.73	22.88	22.74	24.1
1.4	16QAM	1	3	22.71	22.75	22.93	
1.4	16QAM	1	5	22.58	22.63	22.65	
1.4	16QAM	3	0	22.69	22.58	22.63	
1.4	16QAM	3	1	22.70	22.58	22.55	
1.4	16QAM	3	3	22.66	22.65	22.54	
1.4	16QAM	6	0	22.28	22.36	22.32	23.3
1.4	64QAM	1	0	22.29	22.41	22.21	23.3
1.4	64QAM	1	3	22.34	22.24	22.39	
1.4	64QAM	1	5	22.33	22.38	22.33	
1.4	64QAM	3	0	22.43	22.28	22.50	
1.4	64QAM	3	1	22.30	22.52	22.32	
1.4	64QAM	3	3	22.28	22.41	22.36	
1.4	64QAM	6	0	21.10	21.32	21.18	22.3
1.4	256QAM	1	0	19.07	19.33	19.20	20.3
1.4	256QAM	1	3	19.05	19.12	19.14	
1.4	256QAM	1	5	19.17	19.16	19.16	
1.4	256QAM	3	0	19.14	19.18	19.19	
1.4	256QAM	3	1	18.94	18.93	18.95	
1.4	256QAM	3	3	19.11	19.16	19.09	
1.4	256QAM	6	0	19.18	19.37	19.20	20.3



FDD LTE Band 4_TX 0 (Index2/3)

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	24.53	24.46	24.47	25.5
20	QPSK	1	49	24.19	24.13	24.19	
20	QPSK	1	99	24.08	24.04	24.09	
20	QPSK	50	0	23.33	23.32	23.27	24.5
20	QPSK	50	24	23.28	23.26	23.26	
20	QPSK	50	50	23.24	23.20	23.23	
20	QPSK	100	0	23.28	23.24	23.27	24.5
20	16QAM	1	0	23.65	23.72	23.63	
20	16QAM	1	49	23.47	23.50	23.45	
20	16QAM	1	99	23.45	23.48	23.39	23.5
20	16QAM	50	0	22.32	22.30	22.36	
20	16QAM	50	24	22.29	22.27	22.29	
20	16QAM	50	50	22.21	22.19	22.23	23.5
20	16QAM	100	0	22.24	22.23	22.27	
20	64QAM	1	0	22.58	22.54	22.66	
20	64QAM	1	49	22.45	22.37	22.46	
20	64QAM	1	99	22.35	22.32	22.39	
20	64QAM	50	0	21.33	21.33	21.38	22.5
20	64QAM	50	24	21.29	21.27	21.34	
20	64QAM	50	50	21.22	21.19	21.24	
20	64QAM	100	0	21.24	21.24	21.27	20.5
20	256QAM	1	0	19.28	19.36	19.33	
20	256QAM	1	49	19.20	19.31	19.22	
20	256QAM	1	99	19.18	19.28	19.17	20.5
20	256QAM	50	0	18.83	19.00	18.90	
20	256QAM	50	24	18.82	18.97	18.92	
20	256QAM	50	50	18.88	19.04	18.97	20.5
20	256QAM	100	0	18.88	19.01	18.98	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.29	24.38	24.38	25.5
15	QPSK	1	37	24.21	24.23	24.24	
15	QPSK	1	74	24.21	24.20	24.22	
15	QPSK	36	0	23.37	23.40	23.42	24.5
15	QPSK	36	20	23.33	23.34	23.37	
15	QPSK	36	39	23.30	23.29	23.33	
15	QPSK	75	0	23.35	23.36	23.37	24.5
15	16QAM	1	0	23.58	23.70	23.67	
15	16QAM	1	37	23.44	23.48	23.50	
15	16QAM	1	74	23.40	23.52	23.52	23.5
15	16QAM	36	0	22.43	22.41	22.45	
15	16QAM	36	20	22.41	22.39	22.38	
15	16QAM	36	39	22.33	22.33	22.33	23.5
15	16QAM	75	0	22.37	22.37	22.36	
15	64QAM	1	0	22.59	22.61	22.66	
15	64QAM	1	37	22.39	22.41	22.45	
15	64QAM	1	74	22.36	22.48	22.35	
15	64QAM	36	0	21.40	21.40	21.46	22.5
15	64QAM	36	20	21.37	21.35	21.37	
15	64QAM	36	39	21.34	21.31	21.32	



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15	64QAM	75	0	21.35	21.32	21.37	
15	256QAM	1	0	19.16	19.45	19.46	20.5
15	256QAM	1	37	19.45	19.34	19.17	
15	256QAM	1	74	19.28	19.32	19.16	
15	256QAM	36	0	19.46	19.14	19.06	20.5
15	256QAM	36	20	19.16	19.11	19.21	
15	256QAM	36	39	19.08	19.07	19.10	
15	256QAM	75	0	19.09	19.10	18.86	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.31	24.30	24.45	25.5
10	QPSK	1	25	24.13	24.06	24.22	
10	QPSK	1	49	24.25	24.15	24.29	
10	QPSK	25	0	23.33	23.39	23.51	24.5
10	QPSK	25	12	23.38	23.32	23.50	
10	QPSK	25	25	23.33	23.31	23.49	
10	QPSK	50	0	23.35	23.34	23.49	
10	16QAM	1	0	23.72	23.70	23.80	24.5
10	16QAM	1	25	23.59	23.58	23.75	
10	16QAM	1	49	23.67	23.58	23.60	
10	16QAM	25	0	22.43	22.40	22.55	23.5
10	16QAM	25	12	22.43	22.38	22.52	
10	16QAM	25	25	22.41	22.38	22.48	
10	16QAM	50	0	22.36	22.31	22.49	
10	64QAM	1	0	22.51	22.45	22.78	23.5
10	64QAM	1	25	22.60	22.37	22.81	
10	64QAM	1	49	22.47	22.39	22.65	
10	64QAM	25	0	21.39	21.35	21.51	22.5
10	64QAM	25	12	21.37	21.30	21.46	
10	64QAM	25	25	21.36	21.31	21.44	
10	64QAM	50	0	21.39	21.37	21.51	
10	256QAM	1	0	19.49	19.50	19.39	20.5
10	256QAM	1	25	19.04	19.13	19.19	
10	256QAM	1	49	19.22	19.21	19.33	
10	256QAM	25	0	18.99	19.07	19.19	20.5
10	256QAM	25	12	19.14	19.17	19.44	
10	256QAM	25	25	19.18	19.07	19.10	
10	256QAM	50	0	19.04	19.04	19.19	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.35	24.30	24.30	25.5
5	QPSK	1	12	24.30	24.19	24.18	
5	QPSK	1	24	24.32	24.25	24.24	
5	QPSK	12	0	23.36	23.31	23.32	24.5
5	QPSK	12	7	23.36	23.28	23.30	
5	QPSK	12	13	23.37	23.26	23.31	
5	QPSK	25	0	23.36	23.28	23.31	
5	16QAM	1	0	23.65	23.55	23.64	24.5
5	16QAM	1	12	23.55	23.44	23.58	
5	16QAM	1	24	23.61	23.50	23.55	
5	16QAM	12	0	22.43	22.35	22.37	23.5
5	16QAM	12	7	22.44	22.37	22.37	
5	16QAM	12	13	22.41	22.33	22.34	
5	16QAM	25	0	22.39	22.27	22.31	
5	64QAM	1	0	22.60	22.48	22.55	23.5
5	64QAM	1	12	22.47	22.36	22.45	



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5	64QAM	1	24	22.52	22.40	22.50	22.5
5	64QAM	12	0	21.37	21.30	21.32	
5	64QAM	12	7	21.36	21.23	21.34	
5	64QAM	12	13	21.32	21.23	21.31	
5	64QAM	25	0	21.35	21.29	21.30	
5	256QAM	1	0	19.29	19.29	19.49	20.5
5	256QAM	1	12	19.30	19.18	18.97	
5	256QAM	1	24	19.34	19.27	19.11	
5	256QAM	12	0	19.61	19.18	18.98	20.5
5	256QAM	12	7	19.14	19.10	19.07	
5	256QAM	12	13	19.19	19.12	19.05	
5	256QAM	25	0	19.13	19.07	19.03	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.33	24.34	24.36	25.5
3	QPSK	1	8	24.25	24.22	24.24	
3	QPSK	1	14	24.32	24.32	24.29	
3	QPSK	8	0	23.35	23.30	23.31	24.5
3	QPSK	8	4	23.35	23.27	23.30	
3	QPSK	8	7	23.36	23.30	23.34	
3	QPSK	15	0	23.40	23.32	23.33	
3	16QAM	1	0	23.63	23.59	23.60	24.5
3	16QAM	1	8	23.56	23.48	23.51	
3	16QAM	1	14	23.58	23.57	23.54	
3	16QAM	8	0	22.47	22.34	22.34	23.5
3	16QAM	8	4	22.46	22.31	22.36	
3	16QAM	8	7	22.47	22.31	22.34	
3	16QAM	15	0	22.42	22.25	22.31	
3	64QAM	1	0	22.56	22.46	22.42	23.5
3	64QAM	1	8	22.48	22.38	22.41	
3	64QAM	1	14	22.51	22.38	22.44	
3	64QAM	8	0	21.44	21.28	21.29	22.5
3	64QAM	8	4	21.36	21.25	21.29	
3	64QAM	8	7	21.45	21.34	21.32	
3	64QAM	15	0	21.45	21.28	21.34	
3	256QAM	1	0	19.12	19.18	19.32	20.5
3	256QAM	1	8	19.16	19.19	19.19	
3	256QAM	1	14	19.44	19.22	19.19	
3	256QAM	8	0	19.19	19.12	19.09	20.5
3	256QAM	8	4	19.29	19.16	19.12	
3	256QAM	8	7	19.29	19.23	19.18	
3	256QAM	15	0	19.17	18.99	19.27	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.28	24.19	24.22	25.5
1.4	QPSK	1	3	24.25	24.18	24.23	
1.4	QPSK	1	5	24.18	24.22	24.24	
1.4	QPSK	3	0	24.25	24.13	24.16	
1.4	QPSK	3	1	24.30	24.18	24.25	
1.4	QPSK	3	3	24.30	24.23	24.21	
1.4	QPSK	6	0	23.33	23.20	23.11	24.5
1.4	16QAM	1	0	23.60	23.43	23.51	24.5
1.4	16QAM	1	3	23.59	23.29	23.47	
1.4	16QAM	1	5	23.60	23.42	23.55	
1.4	16QAM	3	0	23.32	23.15	23.26	
1.4	16QAM	3	1	23.34	23.31	23.29	



1.4	16QAM	3	3	23.41	23.28	23.32	
1.4	16QAM	6	0	22.41	22.26	22.10	23.5
1.4	64QAM	1	0	22.48	22.33	22.37	23.5
1.4	64QAM	1	3	22.32	22.21	22.26	
1.4	64QAM	1	5	22.63	22.21	22.55	
1.4	64QAM	3	0	22.45	22.19	22.27	
1.4	64QAM	3	1	22.35	22.30	22.43	
1.4	64QAM	3	3	22.46	22.26	22.36	
1.4	64QAM	6	0	21.33	21.18	21.23	22.5
1.4	256QAM	1	0	19.50	19.15	19.41	20.5
1.4	256QAM	1	3	19.49	18.99	19.18	
1.4	256QAM	1	5	19.24	19.10	19.18	
1.4	256QAM	3	0	19.14	19.01	18.97	
1.4	256QAM	3	1	19.30	19.10	19.08	
1.4	256QAM	3	3	19.17	19.16	19.06	
1.4	256QAM	6	0	19.21	19.12	19.07	20.5

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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				20050	20175	20300	19.2
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	17.85	17.80	17.79	
20	QPSK	1	49	17.60	17.59	17.53	19.2
20	QPSK	1	99	17.69	17.65	17.65	
20	QPSK	50	0	17.70	17.69	17.69	
20	QPSK	50	24	17.59	17.61	17.62	19.2
20	QPSK	50	50	17.63	17.66	17.67	
20	QPSK	100	0	17.63	17.71	17.56	
20	16QAM	1	0	17.65	17.83	17.77	19.2
20	16QAM	1	49	17.63	17.65	17.51	
20	16QAM	1	99	17.59	17.68	17.55	
20	16QAM	50	0	17.64	17.81	17.74	19.2
20	16QAM	50	24	17.61	17.70	17.70	
20	16QAM	50	50	17.65	17.64	17.66	
20	16QAM	100	0	17.63	17.75	17.63	19.2
20	64QAM	1	0	17.67	17.82	17.76	
20	64QAM	1	49	17.55	17.67	17.63	
20	64QAM	1	99	17.55	17.56	17.53	19.2
20	64QAM	50	0	17.56	17.74	17.67	
20	64QAM	50	24	17.70	17.68	17.74	
20	64QAM	50	50	17.61	17.64	17.65	19.2
20	64QAM	100	0	17.54	17.65	17.62	
20	256QAM	1	0	17.50	17.58	17.58	
20	256QAM	1	49	17.52	17.64	17.56	19.2
20	256QAM	1	99	17.61	17.60	17.53	
20	256QAM	50	0	17.63	17.73	17.59	
20	256QAM	50	24	17.53	17.62	17.60	19.2
20	256QAM	50	50	17.54	17.58	17.54	
20	256QAM	100	0	17.66	17.76	17.58	
Channel				20025	20175	20325	19.2
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	17.83	17.80	17.77	
15	QPSK	1	37	17.58	17.59	17.59	19.2
15	QPSK	1	74	17.59	17.58	17.65	



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15	QPSK	36	0	17.65	17.68	17.59	19.2
15	QPSK	36	20	17.50	17.53	17.57	
15	QPSK	36	39	17.58	17.56	17.64	
15	QPSK	75	0	17.59	17.68	17.59	19.2
15	16QAM	1	0	17.65	17.76	17.76	
15	16QAM	1	37	17.58	17.61	17.58	
15	16QAM	1	74	17.53	17.67	17.58	19.2
15	16QAM	36	0	17.54	17.81	17.68	
15	16QAM	36	20	17.55	17.65	17.65	
15	16QAM	36	39	17.65	17.59	17.58	19.2
15	16QAM	75	0	17.53	17.73	17.54	
15	64QAM	1	0	17.60	17.74	17.69	
15	64QAM	1	37	17.58	17.59	17.61	19.2
15	64QAM	1	74	17.53	17.52	17.53	
15	64QAM	36	0	17.52	17.64	17.59	
15	64QAM	36	20	17.64	17.63	17.65	19.2
15	64QAM	36	39	17.54	17.59	17.65	
15	64QAM	75	0	17.59	17.55	17.52	
15	256QAM	1	0	17.58	17.52	17.51	19.2
15	256QAM	1	37	17.54	17.62	17.50	
15	256QAM	1	74	17.55	17.59	17.50	
15	256QAM	36	0	17.61	17.67	17.59	19.2
15	256QAM	36	20	17.55	17.55	17.52	
15	256QAM	36	39	17.54	17.54	17.51	
15	256QAM	75	0	17.60	17.74	17.59	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	17.81	17.70	17.71	19.2
10	QPSK	1	25	17.51	17.55	17.54	
10	QPSK	1	49	17.63	17.62	17.55	
10	QPSK	25	0	17.67	17.67	17.59	19.2
10	QPSK	25	12	17.50	17.58	17.57	
10	QPSK	25	25	17.58	17.56	17.65	
10	QPSK	50	0	17.54	17.65	17.58	19.2
10	16QAM	1	0	17.56	17.82	17.70	
10	16QAM	1	25	17.56	17.65	17.54	
10	16QAM	1	49	17.57	17.63	17.56	19.2
10	16QAM	25	0	17.58	17.74	17.67	
10	16QAM	25	12	17.61	17.63	17.60	
10	16QAM	25	25	17.55	17.54	17.62	19.2
10	16QAM	50	0	17.59	17.67	17.54	
10	64QAM	1	0	17.58	17.75	17.71	
10	64QAM	1	25	17.50	17.62	17.62	19.2
10	64QAM	1	49	17.58	17.53	17.57	
10	64QAM	25	0	17.50	17.74	17.65	
10	64QAM	25	12	17.63	17.68	17.64	19.2
10	64QAM	25	25	17.56	17.56	17.63	
10	64QAM	50	0	17.50	17.58	17.53	
10	256QAM	1	0	17.52	17.57	17.54	19.2
10	256QAM	1	25	17.54	17.62	17.56	
10	256QAM	1	49	17.56	17.53	17.57	
10	256QAM	25	0	17.56	17.63	17.50	19.2
10	256QAM	25	12	17.54	17.60	17.53	
10	256QAM	25	25	17.56	17.56	17.53	
10	256QAM	50	0	17.65	17.68	17.56	
Channel				19975	20175	20375	



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Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	17.81	17.70	17.71	19.2
5	QPSK	1	12	17.52	17.51	17.50	
5	QPSK	1	24	17.62	17.58	17.58	
5	QPSK	12	0	17.64	17.69	17.61	19.2
5	QPSK	12	7	17.56	17.56	17.55	
5	QPSK	12	13	17.62	17.64	17.61	
5	QPSK	25	0	17.58	17.69	17.54	
5	16QAM	1	0	17.63	17.78	17.70	19.2
5	16QAM	1	12	17.59	17.65	17.59	
5	16QAM	1	24	17.57	17.68	17.53	
5	16QAM	12	0	17.61	17.74	17.66	19.2
5	16QAM	12	7	17.52	17.60	17.60	
5	16QAM	12	13	17.57	17.62	17.65	
5	16QAM	25	0	17.59	17.68	17.55	
5	64QAM	1	0	17.66	17.78	17.76	19.2
5	64QAM	1	12	17.57	17.57	17.59	
5	64QAM	1	24	17.53	17.53	17.58	
5	64QAM	12	0	17.50	17.72	17.63	19.2
5	64QAM	12	7	17.68	17.58	17.67	
5	64QAM	12	13	17.60	17.59	17.65	
5	64QAM	25	0	17.54	17.60	17.60	
5	256QAM	1	0	17.58	17.57	17.58	19.2
5	256QAM	1	12	17.54	17.64	17.53	
5	256QAM	1	24	17.52	17.51	17.53	
5	256QAM	12	0	17.60	17.71	17.53	19.2
5	256QAM	12	7	17.51	17.56	17.60	
5	256QAM	12	13	17.53	17.57	17.57	
5	256QAM	25	0	17.58	17.76	17.52	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	17.75	17.79	17.78	19.2
3	QPSK	1	8	17.55	17.57	17.56	
3	QPSK	1	14	17.69	17.57	17.61	
3	QPSK	8	0	17.66	17.60	17.62	19.2
3	QPSK	8	4	17.58	17.57	17.62	
3	QPSK	8	7	17.59	17.66	17.57	
3	QPSK	15	0	17.54	17.68	17.51	
3	16QAM	1	0	17.63	17.75	17.69	19.2
3	16QAM	1	8	17.63	17.60	17.51	
3	16QAM	1	14	17.51	17.58	17.50	
3	16QAM	8	0	17.56	17.81	17.72	19.2
3	16QAM	8	4	17.55	17.64	17.60	
3	16QAM	8	7	17.59	17.56	17.56	
3	16QAM	15	0	17.59	17.73	17.54	
3	64QAM	1	0	17.62	17.82	17.74	19.2
3	64QAM	1	8	17.55	17.60	17.60	
3	64QAM	1	14	17.55	17.56	17.53	
3	64QAM	8	0	17.54	17.68	17.62	19.2
3	64QAM	8	4	17.60	17.65	17.66	
3	64QAM	8	7	17.51	17.54	17.64	
3	64QAM	15	0	17.57	17.57	17.56	
3	256QAM	1	0	17.58	17.53	17.54	19.2
3	256QAM	1	8	17.59	17.61	17.54	
3	256QAM	1	14	17.59	17.54	17.56	
3	256QAM	8	0	17.56	17.73	17.53	19.2



Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	
3	256QAM	8	4	17.56	17.56	17.60
3	256QAM	8	7	17.57	17.54	17.57
3	256QAM	15	0	17.59	17.75	17.50
Channel		19957	20175	20393	Tune-up limit (dBm)	
Frequency (MHz)		1710.7	1732.5	1754.3		
1.4	QPSK	1	0	17.84	17.76	17.71
1.4	QPSK	1	3	17.52	17.51	17.50
1.4	QPSK	1	5	17.59	17.61	17.57
1.4	QPSK	3	0	17.60	17.60	17.60
1.4	QPSK	3	1	17.56	17.60	17.59
1.4	QPSK	3	3	17.57	17.60	17.67
1.4	QPSK	6	0	17.56	17.69	17.50
1.4	16QAM	1	0	17.61	17.74	17.77
1.4	16QAM	1	3	17.61	17.60	17.59
1.4	16QAM	1	5	17.58	17.67	17.51
1.4	16QAM	3	0	17.63	17.75	17.67
1.4	16QAM	3	1	17.52	17.65	17.60
1.4	16QAM	3	3	17.60	17.60	17.66
1.4	16QAM	6	0	17.57	17.65	17.58
1.4	64QAM	1	0	17.61	17.75	17.74
1.4	64QAM	1	3	17.58	17.57	17.61
1.4	64QAM	1	5	17.53	17.50	17.57
1.4	64QAM	3	0	17.56	17.71	17.59
1.4	64QAM	3	1	17.70	17.58	17.66
1.4	64QAM	3	3	17.61	17.54	17.61
1.4	64QAM	6	0	17.51	17.56	17.58
1.4	256QAM	1	0	17.56	17.55	17.58
1.4	256QAM	1	3	17.54	17.55	17.54
1.4	256QAM	1	5	17.53	17.56	17.59
1.4	256QAM	3	0	17.60	17.66	17.59
1.4	256QAM	3	1	17.55	17.62	17.57
1.4	256QAM	3	3	17.50	17.51	17.55
1.4	256QAM	6	0	17.66	17.72	17.56

FDD LTE Band 4_TX 0 (Index3)

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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	17.85	17.80	17.79	18
20	QPSK	1	49	17.60	17.59	17.53	
20	QPSK	1	99	17.69	17.65	17.65	
20	QPSK	50	0	17.70	17.69	17.69	18
20	QPSK	50	24	17.59	17.61	17.62	
20	QPSK	50	50	17.63	17.66	17.67	
20	QPSK	100	0	17.63	17.71	17.56	18
20	16QAM	1	0	17.65	17.83	17.77	
20	16QAM	1	49	17.63	17.65	17.51	
20	16QAM	1	99	17.59	17.68	17.55	18
20	16QAM	50	0	17.64	17.81	17.74	
20	16QAM	50	24	17.61	17.70	17.70	
20	16QAM	50	50	17.65	17.64	17.66	18
20	16QAM	100	0	17.63	17.75	17.63	
20	64QAM	1	0	17.67	17.82	17.76	
20	64QAM	1	49	17.55	17.67	17.63	18



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20	64QAM	1	99	17.55	17.56	17.53	
20	64QAM	50	0	17.56	17.74	17.67	18
20	64QAM	50	24	17.70	17.68	17.74	
20	64QAM	50	50	17.61	17.64	17.65	
20	64QAM	100	0	17.54	17.65	17.62	
20	256QAM	1	0	17.50	17.58	17.58	18
20	256QAM	1	49	17.52	17.64	17.56	
20	256QAM	1	99	17.61	17.60	17.53	
20	256QAM	50	0	17.63	17.73	17.59	18
20	256QAM	50	24	17.53	17.62	17.60	
20	256QAM	50	50	17.54	17.58	17.54	
20	256QAM	100	0	17.66	17.76	17.58	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	17.83	17.80	17.77	18
15	QPSK	1	37	17.58	17.59	17.59	
15	QPSK	1	74	17.59	17.58	17.65	
15	QPSK	36	0	17.65	17.68	17.59	18
15	QPSK	36	20	17.50	17.53	17.57	
15	QPSK	36	39	17.58	17.56	17.64	
15	QPSK	75	0	17.59	17.68	17.59	
15	16QAM	1	0	17.65	17.76	17.76	18
15	16QAM	1	37	17.58	17.61	17.58	
15	16QAM	1	74	17.53	17.67	17.58	
15	16QAM	36	0	17.54	17.81	17.68	18
15	16QAM	36	20	17.55	17.65	17.65	
15	16QAM	36	39	17.65	17.59	17.58	
15	16QAM	75	0	17.53	17.73	17.54	
15	64QAM	1	0	17.60	17.74	17.69	18
15	64QAM	1	37	17.58	17.59	17.61	
15	64QAM	1	74	17.53	17.52	17.53	
15	64QAM	36	0	17.52	17.64	17.59	18
15	64QAM	36	20	17.64	17.63	17.65	
15	64QAM	36	39	17.54	17.59	17.65	
15	64QAM	75	0	17.59	17.55	17.52	
15	256QAM	1	0	17.58	17.52	17.51	18
15	256QAM	1	37	17.54	17.62	17.50	
15	256QAM	1	74	17.55	17.59	17.50	
15	256QAM	36	0	17.61	17.67	17.59	18
15	256QAM	36	20	17.55	17.55	17.52	
15	256QAM	36	39	17.54	17.54	17.51	
15	256QAM	75	0	17.60	17.74	17.59	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	17.81	17.70	17.71	18
10	QPSK	1	25	17.51	17.55	17.54	
10	QPSK	1	49	17.63	17.62	17.55	
10	QPSK	25	0	17.67	17.67	17.59	18
10	QPSK	25	12	17.50	17.58	17.57	
10	QPSK	25	25	17.58	17.56	17.65	
10	QPSK	50	0	17.54	17.65	17.58	
10	16QAM	1	0	17.56	17.82	17.70	18
10	16QAM	1	25	17.56	17.65	17.54	
10	16QAM	1	49	17.57	17.63	17.56	
10	16QAM	25	0	17.58	17.74	17.67	18
10	16QAM	25	12	17.61	17.63	17.60	



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10	16QAM	25	25	17.55	17.54	17.62	
10	16QAM	50	0	17.59	17.67	17.54	
10	64QAM	1	0	17.58	17.75	17.71	
10	64QAM	1	25	17.50	17.62	17.62	18
10	64QAM	1	49	17.58	17.53	17.57	
10	64QAM	25	0	17.50	17.74	17.65	18
10	64QAM	25	12	17.63	17.68	17.64	
10	64QAM	25	25	17.56	17.56	17.63	
10	64QAM	50	0	17.50	17.58	17.53	
10	256QAM	1	0	17.52	17.57	17.54	
10	256QAM	1	25	17.54	17.62	17.56	18
10	256QAM	1	49	17.56	17.53	17.57	
10	256QAM	25	0	17.56	17.63	17.50	18
10	256QAM	25	12	17.54	17.60	17.53	
10	256QAM	25	25	17.56	17.56	17.53	
10	256QAM	50	0	17.65	17.68	17.56	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	17.81	17.70	17.71	18
5	QPSK	1	12	17.52	17.51	17.50	
5	QPSK	1	24	17.62	17.58	17.58	
5	QPSK	12	0	17.64	17.69	17.61	18
5	QPSK	12	7	17.56	17.56	17.55	
5	QPSK	12	13	17.62	17.64	17.61	
5	QPSK	25	0	17.58	17.69	17.54	
5	16QAM	1	0	17.63	17.78	17.70	
5	16QAM	1	12	17.59	17.65	17.59	18
5	16QAM	1	24	17.57	17.68	17.53	
5	16QAM	12	0	17.61	17.74	17.66	18
5	16QAM	12	7	17.52	17.60	17.60	
5	16QAM	12	13	17.57	17.62	17.65	
5	16QAM	25	0	17.59	17.68	17.55	
5	64QAM	1	0	17.66	17.78	17.76	
5	64QAM	1	12	17.57	17.57	17.59	18
5	64QAM	1	24	17.53	17.53	17.58	
5	64QAM	12	0	17.50	17.72	17.63	18
5	64QAM	12	7	17.68	17.58	17.67	
5	64QAM	12	13	17.60	17.59	17.65	
5	64QAM	25	0	17.54	17.60	17.60	
5	256QAM	1	0	17.58	17.57	17.58	
5	256QAM	1	12	17.54	17.64	17.53	18
5	256QAM	1	24	17.52	17.51	17.53	
5	256QAM	12	0	17.60	17.71	17.53	18
5	256QAM	12	7	17.51	17.56	17.60	
5	256QAM	12	13	17.53	17.57	17.57	
5	256QAM	25	0	17.58	17.76	17.52	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	17.75	17.79	17.78	18
3	QPSK	1	8	17.55	17.57	17.56	
3	QPSK	1	14	17.69	17.57	17.61	
3	QPSK	8	0	17.66	17.60	17.62	18
3	QPSK	8	4	17.58	17.57	17.62	
3	QPSK	8	7	17.59	17.66	17.57	
3	QPSK	15	0	17.54	17.68	17.51	
3	16QAM	1	0	17.63	17.75	17.69	



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3	16QAM	1	8	17.63	17.60	17.51	
3	16QAM	1	14	17.51	17.58	17.50	
3	16QAM	8	0	17.56	17.81	17.72	
3	16QAM	8	4	17.55	17.64	17.60	18
3	16QAM	8	7	17.59	17.56	17.56	
3	16QAM	15	0	17.59	17.73	17.54	
3	64QAM	1	0	17.62	17.82	17.74	18
3	64QAM	1	8	17.55	17.60	17.60	
3	64QAM	1	14	17.55	17.56	17.53	
3	64QAM	8	0	17.54	17.68	17.62	18
3	64QAM	8	4	17.60	17.65	17.66	
3	64QAM	8	7	17.51	17.54	17.64	
3	64QAM	15	0	17.57	17.57	17.56	18
3	256QAM	1	0	17.58	17.53	17.54	
3	256QAM	1	8	17.59	17.61	17.54	
3	256QAM	1	14	17.59	17.54	17.56	18
3	256QAM	8	0	17.56	17.73	17.53	
3	256QAM	8	4	17.56	17.56	17.60	
3	256QAM	8	7	17.57	17.54	17.57	18
3	256QAM	15	0	17.59	17.75	17.50	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	17.84	17.76	17.71	18
1.4	QPSK	1	3	17.52	17.51	17.50	
1.4	QPSK	1	5	17.59	17.61	17.57	
1.4	QPSK	3	0	17.60	17.60	17.60	
1.4	QPSK	3	1	17.56	17.60	17.59	
1.4	QPSK	3	3	17.57	17.60	17.67	
1.4	QPSK	6	0	17.56	17.69	17.50	18
1.4	16QAM	1	0	17.61	17.74	17.77	18
1.4	16QAM	1	3	17.61	17.60	17.59	
1.4	16QAM	1	5	17.58	17.67	17.51	
1.4	16QAM	3	0	17.63	17.75	17.67	
1.4	16QAM	3	1	17.52	17.65	17.60	
1.4	16QAM	3	3	17.60	17.60	17.66	
1.4	16QAM	6	0	17.57	17.65	17.58	18
1.4	64QAM	1	0	17.61	17.75	17.74	18
1.4	64QAM	1	3	17.58	17.57	17.61	
1.4	64QAM	1	5	17.53	17.50	17.57	
1.4	64QAM	3	0	17.56	17.71	17.59	
1.4	64QAM	3	1	17.70	17.58	17.66	
1.4	64QAM	3	3	17.61	17.54	17.61	
1.4	64QAM	6	0	17.51	17.56	17.58	18
1.4	256QAM	1	0	17.56	17.55	17.58	18
1.4	256QAM	1	3	17.54	17.55	17.54	
1.4	256QAM	1	5	17.53	17.56	17.59	
1.4	256QAM	3	0	17.60	17.66	17.59	
1.4	256QAM	3	1	17.55	17.62	17.57	
1.4	256QAM	3	3	17.50	17.51	17.55	
1.4	256QAM	6	0	17.66	17.72	17.56	18



FDD LTE Band 4_TX 1 (Index2/3)

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	23.69	23.54	23.64	24.8
20	QPSK	1	49	23.53	23.38	23.40	
20	QPSK	1	99	23.45	23.31	23.33	
20	QPSK	50	0	22.74	22.59	22.62	23.8
20	QPSK	50	24	22.69	22.54	22.57	
20	QPSK	50	50	22.65	22.48	22.48	
20	QPSK	100	0	22.67	22.51	22.55	23.8
20	16QAM	1	0	23.09	22.93	22.93	
20	16QAM	1	49	22.88	22.74	22.71	
20	16QAM	1	99	22.80	22.64	22.62	22.8
20	16QAM	50	0	21.74	21.61	21.61	
20	16QAM	50	24	21.70	21.55	21.58	
20	16QAM	50	50	21.65	21.48	21.47	22.8
20	16QAM	100	0	21.65	21.53	21.51	
20	64QAM	1	0	21.97	21.93	21.88	
20	64QAM	1	49	21.90	21.85	21.68	
20	64QAM	1	99	21.77	21.72	21.64	
20	64QAM	50	0	20.77	20.66	20.65	21.8
20	64QAM	50	24	20.75	20.59	20.58	
20	64QAM	50	50	20.68	20.52	20.51	
20	64QAM	100	0	20.68	20.56	20.54	19.8
20	256QAM	1	0	18.68	18.60	18.62	
20	256QAM	1	49	18.54	18.52	18.51	
20	256QAM	1	99	18.52	18.49	18.51	19.8
20	256QAM	50	0	18.28	18.25	18.22	
20	256QAM	50	24	18.25	18.25	18.25	
20	256QAM	50	50	18.28	18.27	18.27	19.8
20	256QAM	100	0	18.21	18.22	18.24	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.52	23.43	23.36	24.8
15	QPSK	1	37	23.41	23.34	23.27	
15	QPSK	1	74	23.42	23.30	23.21	
15	QPSK	36	0	22.57	22.49	22.41	23.8
15	QPSK	36	20	22.54	22.43	22.36	
15	QPSK	36	39	22.50	22.39	22.30	
15	QPSK	75	0	22.55	22.43	22.36	23.8
15	16QAM	1	0	22.91	22.81	22.69	
15	16QAM	1	37	22.74	22.65	22.49	
15	16QAM	1	74	22.68	22.59	22.48	22.8
15	16QAM	36	0	21.59	21.52	21.42	
15	16QAM	36	20	21.54	21.46	21.34	
15	16QAM	36	39	21.49	21.40	21.30	22.8
15	16QAM	36	0	21.54	21.43	21.33	
15	16QAM	75	0	21.54	21.43	21.33	
15	64QAM	1	0	21.74	21.66	21.62	22.8
15	64QAM	1	37	21.47	21.44	21.38	
15	64QAM	1	74	21.61	21.53	21.39	
15	64QAM	36	0	20.57	20.49	20.40	21.8
15	64QAM	36	20	20.49	20.41	20.34	
15	64QAM	36	39	20.48	20.37	20.29	



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15	64QAM	75	0	20.50	20.42	20.31	
15	256QAM	1	0	18.61	18.53	18.65	19.8
15	256QAM	1	37	18.52	18.51	18.44	
15	256QAM	1	74	18.48	18.48	18.44	
15	256QAM	36	0	18.25	18.23	18.24	19.8
15	256QAM	36	20	18.23	18.21	18.28	
15	256QAM	36	39	18.25	18.29	18.24	
15	256QAM	75	0	18.17	18.24	18.20	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.42	23.36	23.38	24.8
10	QPSK	1	25	23.15	23.12	23.15	
10	QPSK	1	49	23.29	23.20	23.20	
10	QPSK	25	0	22.46	22.39	22.42	23.8
10	QPSK	25	12	22.45	22.37	22.41	
10	QPSK	25	25	22.43	22.35	22.38	
10	QPSK	50	0	22.44	22.37	22.40	
10	16QAM	1	0	22.75	22.65	22.70	23.8
10	16QAM	1	25	22.59	22.49	22.46	
10	16QAM	1	49	22.60	22.49	22.49	
10	16QAM	25	0	21.51	21.45	21.46	22.8
10	16QAM	25	12	21.50	21.42	21.43	
10	16QAM	25	25	21.48	21.38	21.38	
10	16QAM	50	0	21.45	21.35	21.35	
10	64QAM	1	0	21.75	21.69	21.61	22.8
10	64QAM	1	25	21.65	21.60	21.53	
10	64QAM	1	49	21.59	21.51	21.50	
10	64QAM	25	0	20.47	20.39	20.39	21.8
10	64QAM	25	12	20.45	20.37	20.36	
10	64QAM	25	25	20.43	20.34	20.34	
10	64QAM	50	0	20.46	20.38	20.35	
10	256QAM	1	0	18.61	18.55	18.60	19.8
10	256QAM	1	25	18.49	18.47	18.41	
10	256QAM	1	49	18.43	18.45	18.43	
10	256QAM	25	0	18.26	18.25	18.24	19.8
10	256QAM	25	12	18.26	18.19	18.23	
10	256QAM	25	25	18.20	18.25	18.23	
10	256QAM	50	0	18.18	18.17	18.21	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.42	23.29	23.21	24.8
5	QPSK	1	12	23.36	23.25	23.17	
5	QPSK	1	24	23.39	23.27	23.17	
5	QPSK	12	0	22.43	22.32	22.23	23.8
5	QPSK	12	7	22.41	22.32	22.22	
5	QPSK	12	13	22.39	22.26	22.18	
5	QPSK	25	0	22.40	22.32	22.22	
5	16QAM	1	0	22.69	22.64	22.51	23.8
5	16QAM	1	12	22.46	22.42	22.35	
5	16QAM	1	24	22.53	22.53	22.42	
5	16QAM	12	0	21.45	21.36	21.26	22.8
5	16QAM	12	7	21.42	21.34	21.25	
5	16QAM	12	13	21.39	21.31	21.21	
5	16QAM	25	0	21.42	21.29	21.22	
5	64QAM	1	0	21.64	21.53	21.35	22.8
5	64QAM	1	12	21.53	21.49	21.29	



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5	64QAM	1	24	21.59	21.48	21.35	21.8
5	64QAM	12	0	20.43	20.31	20.23	
5	64QAM	12	7	20.38	20.33	20.20	
5	64QAM	12	13	20.34	20.29	20.16	
5	64QAM	25	0	20.37	20.27	20.17	
5	256QAM	1	0	18.60	18.55	18.53	19.8
5	256QAM	1	12	18.48	18.46	18.44	
5	256QAM	1	24	18.42	18.40	18.42	
5	256QAM	12	0	18.27	18.20	18.17	19.8
5	256QAM	12	7	18.26	18.21	18.19	
5	256QAM	12	13	18.15	18.24	18.16	
5	256QAM	25	0	18.21	18.14	18.15	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.45	23.36	23.26	24.8
3	QPSK	1	8	23.30	23.21	23.10	
3	QPSK	1	14	23.38	23.29	23.17	
3	QPSK	8	0	22.39	22.31	22.19	23.8
3	QPSK	8	4	22.39	22.29	22.20	
3	QPSK	8	7	22.40	22.30	22.18	
3	QPSK	15	0	22.39	22.30	22.17	
3	16QAM	1	0	22.77	22.68	22.53	23.8
3	16QAM	1	8	22.63	22.54	22.38	
3	16QAM	1	14	22.71	22.62	22.48	
3	16QAM	8	0	21.44	21.32	21.18	22.8
3	16QAM	8	4	21.43	21.32	21.16	
3	16QAM	8	7	21.46	21.32	21.19	
3	16QAM	15	0	21.39	21.29	21.15	
3	64QAM	1	0	21.57	21.46	21.25	22.8
3	64QAM	1	8	21.53	21.38	21.23	
3	64QAM	1	14	21.56	21.45	21.27	
3	64QAM	8	0	20.41	20.28	20.17	21.8
3	64QAM	8	4	20.37	20.26	20.12	
3	64QAM	8	7	20.39	20.29	20.20	
3	64QAM	15	0	20.39	20.26	20.15	
3	256QAM	1	0	18.58	18.53	18.46	19.8
3	256QAM	1	8	18.41	18.46	18.39	
3	256QAM	1	14	18.42	18.43	18.38	
3	256QAM	8	0	18.25	18.16	18.12	19.8
3	256QAM	8	4	18.27	18.20	18.16	
3	256QAM	8	7	18.16	18.26	18.12	
3	256QAM	15	0	18.24	18.17	18.11	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.43	23.33	23.20	24.8
1.4	QPSK	1	3	23.31	23.19	23.07	
1.4	QPSK	1	5	23.44	23.32	23.19	
1.4	QPSK	3	0	23.32	23.21	23.10	
1.4	QPSK	3	1	23.44	23.31	23.21	
1.4	QPSK	3	3	23.39	23.31	23.17	
1.4	QPSK	6	0	22.43	22.32	22.19	23.8
1.4	16QAM	1	0	22.65	22.59	22.46	23.8
1.4	16QAM	1	3	22.54	22.46	22.32	
1.4	16QAM	1	5	22.68	22.55	22.47	
1.4	16QAM	3	0	22.42	22.33	22.22	
1.4	16QAM	3	1	22.43	22.40	22.28	



1.4	16QAM	3	3	22.48	22.34	22.22	
1.4	16QAM	6	0	21.49	21.35	21.25	22.8
1.4	64QAM	1	0	21.59	21.42	21.30	22.8
1.4	64QAM	1	3	21.53	21.36	21.34	
1.4	64QAM	1	5	21.55	21.40	21.32	
1.4	64QAM	3	0	21.46	21.23	21.22	
1.4	64QAM	3	1	21.56	21.35	21.32	
1.4	64QAM	3	3	21.53	21.33	21.27	
1.4	64QAM	6	0	20.38	20.22	20.13	
1.4	256QAM	1	0	18.49	18.35	18.48	19.8
1.4	256QAM	1	3	18.43	18.17	18.40	
1.4	256QAM	1	5	18.19	18.19	18.15	
1.4	256QAM	3	0	18.52	18.33	18.55	
1.4	256QAM	3	1	18.46	18.26	18.38	
1.4	256QAM	3	3	18.22	18.17	18.17	
1.4	256QAM	6	0	18.11	18.16	18.10	19.8

FDD LTE Band 4_TX 1 (Index2)

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				20050	20175	20300	25.3
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.98	25.03	25.08	25.3
20	QPSK	1	49	24.65	24.76	24.73	
20	QPSK	1	99	24.70	24.77	24.82	
20	QPSK	50	0	23.76	23.83	23.85	24.3
20	QPSK	50	24	23.74	23.80	23.83	
20	QPSK	50	50	23.65	23.77	23.73	
20	QPSK	100	0	23.77	23.82	23.82	24.3
20	16QAM	1	0	23.84	23.95	23.94	
20	16QAM	1	49	23.68	23.82	23.78	
20	16QAM	1	99	23.78	23.83	23.78	23.3
20	16QAM	50	0	22.67	22.80	22.84	
20	16QAM	50	24	22.74	22.83	22.85	
20	16QAM	50	50	22.57	22.72	22.69	23.3
20	16QAM	100	0	22.70	22.78	22.82	
20	64QAM	1	0	22.84	22.91	22.89	
20	64QAM	1	49	22.68	22.78	22.74	
20	64QAM	1	99	22.67	22.76	22.80	
20	64QAM	50	0	21.66	21.77	21.74	22.3
20	64QAM	50	24	21.73	21.79	21.77	
20	64QAM	50	50	21.64	21.69	21.68	
20	64QAM	100	0	21.70	21.78	21.75	20.3
20	256QAM	1	0	19.84	19.90	19.86	
20	256QAM	1	49	19.71	19.85	19.90	
20	256QAM	1	99	19.73	19.81	19.78	20.3
20	256QAM	50	0	19.57	19.72	19.67	
20	256QAM	50	24	19.57	19.70	19.68	
20	256QAM	50	50	19.67	19.74	19.78	20.3
20	256QAM	100	0	19.61	19.73	19.71	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.85	24.88	25.01	25.3
15	QPSK	1	37	24.56	24.65	24.64	
15	QPSK	1	74	24.62	24.77	24.78	



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15	QPSK	36	0	23.62	23.80	23.69	24.3
15	QPSK	36	20	23.54	23.77	23.70	
15	QPSK	36	39	23.51	23.58	23.56	
15	QPSK	75	0	23.57	23.71	23.63	24.3
15	16QAM	1	0	23.64	23.95	23.88	
15	16QAM	1	37	23.67	23.63	23.71	
15	16QAM	1	74	23.77	23.64	23.77	23.3
15	16QAM	36	0	22.49	22.72	22.78	
15	16QAM	36	20	22.58	22.65	22.79	
15	16QAM	36	39	22.57	22.65	22.61	23.3
15	16QAM	75	0	22.63	22.66	22.75	
15	64QAM	1	0	22.72	22.76	22.76	
15	64QAM	1	37	22.49	22.63	22.73	23.3
15	64QAM	1	74	22.63	22.56	22.66	
15	64QAM	36	0	21.60	21.57	21.61	
15	64QAM	36	20	21.71	21.69	21.68	22.3
15	64QAM	36	39	21.58	21.63	21.65	
15	64QAM	75	0	21.64	21.66	21.74	
15	256QAM	1	0	19.79	19.84	19.81	20.3
15	256QAM	1	37	19.60	19.82	19.90	
15	256QAM	1	74	19.60	19.76	19.78	
15	256QAM	36	0	19.50	19.58	19.59	20.3
15	256QAM	36	20	19.56	19.51	19.48	
15	256QAM	36	39	19.62	19.63	19.72	
15	256QAM	75	0	19.59	19.60	19.65	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.78	24.90	24.98	25.3
10	QPSK	1	25	24.59	24.62	24.72	
10	QPSK	1	49	24.56	24.77	24.80	
10	QPSK	25	0	23.66	23.68	23.68	24.3
10	QPSK	25	12	23.56	23.65	23.76	
10	QPSK	25	25	23.60	23.64	23.68	
10	QPSK	50	0	23.57	23.75	23.74	24.3
10	16QAM	1	0	23.84	23.87	23.88	
10	16QAM	1	25	23.55	23.64	23.60	
10	16QAM	1	49	23.73	23.65	23.70	23.3
10	16QAM	25	0	22.65	22.77	22.76	
10	16QAM	25	12	22.64	22.68	22.84	
10	16QAM	25	25	22.43	22.55	22.63	23.3
10	16QAM	50	0	22.64	22.66	22.77	
10	64QAM	1	0	22.65	22.89	22.72	
10	64QAM	1	25	22.57	22.63	22.66	23.3
10	64QAM	1	49	22.47	22.57	22.78	
10	64QAM	25	0	21.47	21.59	21.63	
10	64QAM	25	12	21.54	21.71	21.77	22.3
10	64QAM	25	25	21.62	21.54	21.48	
10	64QAM	50	0	21.56	21.63	21.74	
10	256QAM	1	0	19.80	19.88	19.74	20.3
10	256QAM	1	25	19.64	19.69	19.83	
10	256QAM	1	49	19.62	19.61	19.70	
10	256QAM	25	0	19.43	19.71	19.65	20.3
10	256QAM	25	12	19.39	19.69	19.64	
10	256QAM	25	25	19.64	19.55	19.67	
10	256QAM	50	0	19.54	19.58	19.62	
Channel				19975	20175	20375	



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Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.95	24.97	24.98	25.3
5	QPSK	1	12	24.62	24.68	24.55	
5	QPSK	1	24	24.53	24.76	24.63	
5	QPSK	12	0	23.64	23.75	23.65	24.3
5	QPSK	12	7	23.72	23.67	23.76	
5	QPSK	12	13	23.51	23.67	23.73	
5	QPSK	25	0	23.66	23.72	23.66	
5	16QAM	1	0	23.73	23.84	23.84	24.3
5	16QAM	1	12	23.57	23.69	23.72	
5	16QAM	1	24	23.72	23.65	23.68	
5	16QAM	12	0	22.47	22.76	22.72	23.3
5	16QAM	12	7	22.64	22.75	22.70	
5	16QAM	12	13	22.39	22.61	22.65	
5	16QAM	25	0	22.54	22.66	22.74	
5	64QAM	1	0	22.66	22.85	22.69	23.3
5	64QAM	1	12	22.66	22.67	22.70	
5	64QAM	1	24	22.49	22.70	22.78	
5	64QAM	12	0	21.66	21.70	21.58	22.3
5	64QAM	12	7	21.68	21.65	21.68	
5	64QAM	12	13	21.58	21.49	21.54	
5	64QAM	25	0	21.55	21.75	21.73	
5	256QAM	1	0	19.70	19.76	19.74	20.3
5	256QAM	1	12	19.53	19.73	19.90	
5	256QAM	1	24	19.67	19.80	19.68	
5	256QAM	12	0	19.45	19.62	19.66	20.3
5	256QAM	12	7	19.51	19.59	19.52	
5	256QAM	12	13	19.47	19.62	19.72	
5	256QAM	25	0	19.49	19.61	19.63	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.86	24.89	24.91	25.3
3	QPSK	1	8	24.61	24.68	24.53	
3	QPSK	1	14	24.59	24.57	24.78	
3	QPSK	8	0	23.74	23.65	23.84	24.3
3	QPSK	8	4	23.71	23.60	23.83	
3	QPSK	8	7	23.60	23.69	23.66	
3	QPSK	15	0	23.57	23.66	23.62	
3	16QAM	1	0	23.71	23.92	23.81	24.3
3	16QAM	1	8	23.57	23.64	23.66	
3	16QAM	1	14	23.58	23.77	23.59	
3	16QAM	8	0	22.64	22.78	22.77	23.3
3	16QAM	8	4	22.65	22.76	22.69	
3	16QAM	8	7	22.53	22.67	22.54	
3	16QAM	15	0	22.52	22.77	22.62	
3	64QAM	1	0	22.75	22.79	22.71	23.3
3	64QAM	1	8	22.56	22.71	22.61	
3	64QAM	1	14	22.66	22.75	22.65	
3	64QAM	8	0	21.66	21.75	21.66	22.3
3	64QAM	8	4	21.60	21.70	21.61	
3	64QAM	8	7	21.59	21.57	21.51	
3	64QAM	15	0	21.62	21.78	21.70	
3	256QAM	1	0	19.66	19.70	19.80	20.3
3	256QAM	1	8	19.57	19.71	19.77	
3	256QAM	1	14	19.55	19.81	19.67	
3	256QAM	8	0	19.54	19.52	19.51	20.3



Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	
3	256QAM	8	4	19.41	19.67	19.55
3	256QAM	8	7	19.57	19.64	19.68
3	256QAM	15	0	19.41	19.54	19.54
Channel		19957	20175	20393	Tune-up limit (dBm)	
Frequency (MHz)		1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.93	24.88	24.88
1.4	QPSK	1	3	24.65	24.61	24.66
1.4	QPSK	1	5	24.52	24.59	24.80
1.4	QPSK	3	0	24.86	24.87	25.02
1.4	QPSK	3	1	24.54	24.65	24.64
1.4	QPSK	3	3	24.68	24.60	24.82
1.4	QPSK	6	0	23.70	23.76	23.74
1.4	16QAM	1	0	23.64	23.66	23.78
1.4	16QAM	1	3	23.46	23.76	23.64
1.4	16QAM	1	5	23.76	23.79	23.62
1.4	16QAM	3	0	23.82	23.93	23.93
1.4	16QAM	3	1	23.56	23.82	23.64
1.4	16QAM	3	3	23.69	23.80	23.64
1.4	16QAM	6	0	22.47	22.67	22.74
1.4	64QAM	1	0	22.63	22.70	22.73
1.4	64QAM	1	3	22.55	22.69	22.64
1.4	64QAM	1	5	22.58	22.66	22.73
1.4	64QAM	3	0	22.74	22.77	22.71
1.4	64QAM	3	1	22.59	22.58	22.66
1.4	64QAM	3	3	22.54	22.61	22.68
1.4	64QAM	6	0	21.52	21.63	21.66
1.4	256QAM	1	0	19.75	19.74	19.74
1.4	256QAM	1	3	19.71	19.84	19.90
1.4	256QAM	1	5	19.72	19.61	19.70
1.4	256QAM	3	0	19.51	19.63	19.56
1.4	256QAM	3	1	19.50	19.60	19.66
1.4	256QAM	3	3	19.59	19.55	19.62
1.4	256QAM	6	0	19.60	19.70	19.55

FDD LTE Band 4_TX 1 (Index3)

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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.98	25.03	25.08	25.1
20	QPSK	1	49	24.65	24.76	24.73	
20	QPSK	1	99	24.70	24.77	24.82	
20	QPSK	50	0	23.76	23.83	23.85	24.3
20	QPSK	50	24	23.74	23.80	23.83	
20	QPSK	50	50	23.65	23.77	23.73	
20	QPSK	100	0	23.77	23.82	23.82	24.3
20	16QAM	1	0	23.84	23.95	23.94	
20	16QAM	1	49	23.68	23.82	23.78	
20	16QAM	1	99	23.78	23.83	23.78	23.3
20	16QAM	50	0	22.67	22.80	22.84	
20	16QAM	50	24	22.74	22.83	22.85	
20	16QAM	50	50	22.57	22.72	22.69	23.3
20	16QAM	100	0	22.70	22.78	22.82	
20	64QAM	1	0	22.84	22.91	22.89	
20	64QAM	1	49	22.68	22.78	22.74	23.3



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20	64QAM	1	99	22.67	22.76	22.80	
20	64QAM	50	0	21.66	21.77	21.74	22.3
20	64QAM	50	24	21.73	21.79	21.77	
20	64QAM	50	50	21.64	21.69	21.68	
20	64QAM	100	0	21.70	21.78	21.75	
20	256QAM	1	0	19.84	19.90	19.86	20.3
20	256QAM	1	49	19.71	19.85	19.90	
20	256QAM	1	99	19.73	19.81	19.78	
20	256QAM	50	0	19.57	19.72	19.67	20.3
20	256QAM	50	24	19.57	19.70	19.68	
20	256QAM	50	50	19.67	19.74	19.78	
20	256QAM	100	0	19.61	19.73	19.71	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.85	24.88	25.01	25.1
15	QPSK	1	37	24.56	24.65	24.64	
15	QPSK	1	74	24.62	24.77	24.78	
15	QPSK	36	0	23.62	23.80	23.69	24.3
15	QPSK	36	20	23.54	23.77	23.70	
15	QPSK	36	39	23.51	23.58	23.56	
15	QPSK	75	0	23.57	23.71	23.63	
15	16QAM	1	0	23.64	23.95	23.88	24.3
15	16QAM	1	37	23.67	23.63	23.71	
15	16QAM	1	74	23.77	23.64	23.77	
15	16QAM	36	0	22.49	22.72	22.78	23.3
15	16QAM	36	20	22.58	22.65	22.79	
15	16QAM	36	39	22.57	22.65	22.61	
15	16QAM	75	0	22.63	22.66	22.75	
15	64QAM	1	0	22.72	22.76	22.76	23.3
15	64QAM	1	37	22.49	22.63	22.73	
15	64QAM	1	74	22.63	22.56	22.66	
15	64QAM	36	0	21.60	21.57	21.61	22.3
15	64QAM	36	20	21.71	21.69	21.68	
15	64QAM	36	39	21.58	21.63	21.65	
15	64QAM	75	0	21.64	21.66	21.74	
15	256QAM	1	0	19.79	19.84	19.81	20.3
15	256QAM	1	37	19.60	19.82	19.90	
15	256QAM	1	74	19.60	19.76	19.78	
15	256QAM	36	0	19.50	19.58	19.59	20.3
15	256QAM	36	20	19.56	19.51	19.48	
15	256QAM	36	39	19.62	19.63	19.72	
15	256QAM	75	0	19.59	19.60	19.65	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.78	24.90	24.98	25.1
10	QPSK	1	25	24.59	24.62	24.72	
10	QPSK	1	49	24.56	24.77	24.80	
10	QPSK	25	0	23.66	23.68	23.68	24.3
10	QPSK	25	12	23.56	23.65	23.76	
10	QPSK	25	25	23.60	23.64	23.68	
10	QPSK	50	0	23.57	23.75	23.74	
10	16QAM	1	0	23.84	23.87	23.88	24.3
10	16QAM	1	25	23.55	23.64	23.60	
10	16QAM	1	49	23.73	23.65	23.70	
10	16QAM	25	0	22.65	22.77	22.76	23.3
10	16QAM	25	12	22.64	22.68	22.84	



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10	16QAM	25	25	22.43	22.55	22.63	
10	16QAM	50	0	22.64	22.66	22.77	
10	64QAM	1	0	22.65	22.89	22.72	
10	64QAM	1	25	22.57	22.63	22.66	23.3
10	64QAM	1	49	22.47	22.57	22.78	
10	64QAM	25	0	21.47	21.59	21.63	
10	64QAM	25	12	21.54	21.71	21.77	22.3
10	64QAM	25	25	21.62	21.54	21.48	
10	64QAM	50	0	21.56	21.63	21.74	
10	256QAM	1	0	19.80	19.88	19.74	20.3
10	256QAM	1	25	19.64	19.69	19.83	
10	256QAM	1	49	19.62	19.61	19.70	
10	256QAM	25	0	19.43	19.71	19.65	20.3
10	256QAM	25	12	19.39	19.69	19.64	
10	256QAM	25	25	19.64	19.55	19.67	
10	256QAM	50	0	19.54	19.58	19.62	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.95	24.97	24.98	25.1
5	QPSK	1	12	24.62	24.68	24.55	
5	QPSK	1	24	24.53	24.76	24.63	
5	QPSK	12	0	23.64	23.75	23.65	24.3
5	QPSK	12	7	23.72	23.67	23.76	
5	QPSK	12	13	23.51	23.67	23.73	
5	QPSK	25	0	23.66	23.72	23.66	
5	16QAM	1	0	23.73	23.84	23.84	24.3
5	16QAM	1	12	23.57	23.69	23.72	
5	16QAM	1	24	23.72	23.65	23.68	
5	16QAM	12	0	22.47	22.76	22.72	23.3
5	16QAM	12	7	22.64	22.75	22.70	
5	16QAM	12	13	22.39	22.61	22.65	
5	16QAM	25	0	22.54	22.66	22.74	
5	64QAM	1	0	22.66	22.85	22.69	23.3
5	64QAM	1	12	22.66	22.67	22.70	
5	64QAM	1	24	22.49	22.70	22.78	
5	64QAM	12	0	21.66	21.70	21.58	22.3
5	64QAM	12	7	21.68	21.65	21.68	
5	64QAM	12	13	21.58	21.49	21.54	
5	64QAM	25	0	21.55	21.75	21.73	
5	256QAM	1	0	19.70	19.76	19.74	20.3
5	256QAM	1	12	19.53	19.73	19.90	
5	256QAM	1	24	19.67	19.80	19.68	
5	256QAM	12	0	19.45	19.62	19.66	20.3
5	256QAM	12	7	19.51	19.59	19.52	
5	256QAM	12	13	19.47	19.62	19.72	
5	256QAM	25	0	19.49	19.61	19.63	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.86	24.89	24.91	25.1
3	QPSK	1	8	24.61	24.68	24.53	
3	QPSK	1	14	24.59	24.57	24.78	
3	QPSK	8	0	23.74	23.65	23.84	24.3
3	QPSK	8	4	23.71	23.60	23.83	
3	QPSK	8	7	23.60	23.69	23.66	
3	QPSK	15	0	23.57	23.66	23.62	
3	16QAM	1	0	23.71	23.92	23.81	24.3



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3	16QAM	1	8	23.57	23.64	23.66	
3	16QAM	1	14	23.58	23.77	23.59	
3	16QAM	8	0	22.64	22.78	22.77	23.3
3	16QAM	8	4	22.65	22.76	22.69	
3	16QAM	8	7	22.53	22.67	22.54	
3	16QAM	15	0	22.52	22.77	22.62	
3	64QAM	1	0	22.75	22.79	22.71	
3	64QAM	1	8	22.56	22.71	22.61	23.3
3	64QAM	1	14	22.66	22.75	22.65	
3	64QAM	8	0	21.66	21.75	21.66	22.3
3	64QAM	8	4	21.60	21.70	21.61	
3	64QAM	8	7	21.59	21.57	21.51	
3	64QAM	15	0	21.62	21.78	21.70	
3	256QAM	1	0	19.66	19.70	19.80	
3	256QAM	1	8	19.57	19.71	19.77	20.3
3	256QAM	1	14	19.55	19.81	19.67	
3	256QAM	8	0	19.54	19.52	19.51	20.3
3	256QAM	8	4	19.41	19.67	19.55	
3	256QAM	8	7	19.57	19.64	19.68	
3	256QAM	15	0	19.41	19.54	19.54	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.93	24.88	24.88	25.1
1.4	QPSK	1	3	24.65	24.61	24.66	
1.4	QPSK	1	5	24.52	24.59	24.80	
1.4	QPSK	3	0	24.86	24.87	25.02	
1.4	QPSK	3	1	24.54	24.65	24.64	
1.4	QPSK	3	3	24.68	24.60	24.82	
1.4	QPSK	6	0	23.70	23.76	23.74	24.3
1.4	16QAM	1	0	23.64	23.66	23.78	24.3
1.4	16QAM	1	3	23.46	23.76	23.64	
1.4	16QAM	1	5	23.76	23.79	23.62	
1.4	16QAM	3	0	23.82	23.93	23.93	
1.4	16QAM	3	1	23.56	23.82	23.64	
1.4	16QAM	3	3	23.69	23.80	23.64	
1.4	16QAM	6	0	22.47	22.67	22.74	23.3
1.4	64QAM	1	0	22.63	22.70	22.73	23.3
1.4	64QAM	1	3	22.55	22.69	22.64	
1.4	64QAM	1	5	22.58	22.66	22.73	
1.4	64QAM	3	0	22.74	22.77	22.71	
1.4	64QAM	3	1	22.59	22.58	22.66	
1.4	64QAM	3	3	22.54	22.61	22.68	
1.4	64QAM	6	0	21.52	21.63	21.66	22.3
1.4	256QAM	1	0	19.75	19.74	19.74	20.3
1.4	256QAM	1	3	19.71	19.84	19.90	
1.4	256QAM	1	5	19.72	19.61	19.70	
1.4	256QAM	3	0	19.51	19.63	19.56	
1.4	256QAM	3	1	19.50	19.60	19.66	
1.4	256QAM	3	3	19.59	19.55	19.62	
1.4	256QAM	6	0	19.60	19.70	19.55	20.3



FDD LTE Band 5_TX 0 (Index2/3)

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				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.68	24.60	24.56	
10	QPSK	1	25	24.36	24.36	24.35	25.5
10	QPSK	1	49	24.38	24.36	24.29	
10	QPSK	25	0	23.50	23.47	23.49	
10	QPSK	25	12	23.49	23.46	23.48	24.5
10	QPSK	25	25	23.45	23.44	23.44	
10	QPSK	50	0	23.48	23.47	23.46	
10	16QAM	1	0	23.76	23.77	23.74	24.5
10	16QAM	1	25	23.67	23.68	23.67	
10	16QAM	1	49	23.76	23.71	23.64	
10	16QAM	25	0	22.51	22.52	22.51	23.5
10	16QAM	25	12	22.50	22.50	22.49	
10	16QAM	25	25	22.48	22.47	22.45	
10	16QAM	50	0	22.46	22.47	22.45	23.5
10	64QAM	1	0	22.69	22.66	22.67	
10	64QAM	1	25	22.54	22.54	22.48	
10	64QAM	1	49	22.76	22.55	22.50	22.5
10	64QAM	25	0	21.51	21.45	21.47	
10	64QAM	25	12	21.45	21.44	21.43	
10	64QAM	25	25	21.40	21.41	21.39	22.5
10	64QAM	50	0	21.43	21.48	21.46	
10	256QAM	1	0	19.32	19.45	19.27	
10	256QAM	1	25	19.01	19.21	18.96	20.5
10	256QAM	1	49	19.10	19.29	19.10	
10	256QAM	25	0	19.12	19.27	19.04	
10	256QAM	25	12	19.05	19.19	18.94	19.5
10	256QAM	25	25	18.97	19.16	18.95	
10	256QAM	50	0	19.04	19.22	19.02	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.50	24.54	24.48	
5	QPSK	1	12	24.49	24.50	24.47	25.5
5	QPSK	1	24	24.52	24.55	24.50	
5	QPSK	12	0	23.52	23.57	23.57	
5	QPSK	12	7	23.57	23.57	23.57	24.5
5	QPSK	12	13	23.57	23.56	23.56	
5	QPSK	25	0	23.56	23.53	23.54	
5	16QAM	1	0	23.83	23.87	23.86	24.5
5	16QAM	1	12	23.79	23.84	23.81	
5	16QAM	1	24	23.88	23.86	23.82	
5	16QAM	12	0	22.58	22.60	22.60	23.5
5	16QAM	12	7	22.59	22.61	22.61	
5	16QAM	12	13	22.58	22.61	22.60	
5	16QAM	25	0	22.57	22.53	22.50	23.5
5	64QAM	1	0	22.78	22.63	22.66	
5	64QAM	1	12	22.71	22.59	22.61	
5	64QAM	1	24	22.75	22.62	22.65	22.5
5	64QAM	12	0	21.63	21.54	21.57	
5	64QAM	12	7	21.58	21.59	21.53	
5	64QAM	12	13	21.57	21.59	21.52	



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5	64QAM	25	0	21.57	21.52	21.53	
5	256QAM	1	0	19.39	19.56	19.57	20.5
5	256QAM	1	12	19.54	19.49	19.37	
5	256QAM	1	24	19.45	19.58	19.40	
5	256QAM	12	0	19.46	19.42	19.45	19.5
5	256QAM	12	7	19.44	19.50	19.40	
5	256QAM	12	13	19.49	19.49	19.41	
5	256QAM	25	0	19.50	19.48	19.45	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.56	24.53	24.53	25.5
3	QPSK	1	8	24.38	24.38	24.37	
3	QPSK	1	14	24.45	24.47	24.45	
3	QPSK	8	0	23.45	23.48	23.47	24.5
3	QPSK	8	4	23.49	23.49	23.48	
3	QPSK	8	7	23.51	23.51	23.50	
3	QPSK	15	0	23.53	23.52	23.52	
3	16QAM	1	0	23.84	23.78	23.83	24.5
3	16QAM	1	8	23.68	23.68	23.67	
3	16QAM	1	14	23.81	23.75	23.72	
3	16QAM	8	0	22.53	22.52	22.51	23.5
3	16QAM	8	4	22.57	22.57	22.53	
3	16QAM	8	7	22.58	22.52	22.49	
3	16QAM	15	0	22.49	22.50	22.48	
3	64QAM	1	0	22.62	22.49	22.58	23.5
3	64QAM	1	8	22.59	22.52	22.48	
3	64QAM	1	14	22.72	22.60	22.49	
3	64QAM	8	0	21.52	21.52	21.45	22.5
3	64QAM	8	4	21.52	21.50	21.46	
3	64QAM	8	7	21.56	21.58	21.46	
3	64QAM	15	0	21.53	21.53	21.49	
3	256QAM	1	0	19.52	19.45	19.63	20.5
3	256QAM	1	8	19.59	19.50	19.44	
3	256QAM	1	14	19.64	19.69	19.47	
3	256QAM	8	0	19.44	19.47	19.38	19.5
3	256QAM	8	4	19.37	19.46	19.47	
3	256QAM	8	7	19.46	19.47	19.44	
3	256QAM	15	0	19.42	19.44	19.42	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.49	24.47	24.46	25.5
1.4	QPSK	1	3	24.40	24.37	24.35	
1.4	QPSK	1	5	24.44	24.49	24.48	
1.4	QPSK	3	0	24.37	24.39	24.38	
1.4	QPSK	3	1	24.46	24.51	24.49	
1.4	QPSK	3	3	24.50	24.51	24.51	
1.4	QPSK	6	0	23.50	23.51	23.52	24.5
1.4	16QAM	1	0	23.69	23.74	23.77	24.5
1.4	16QAM	1	3	23.64	23.59	23.65	
1.4	16QAM	1	5	23.80	23.70	23.84	
1.4	16QAM	3	0	23.52	23.51	23.50	
1.4	16QAM	3	1	23.56	23.52	23.61	
1.4	16QAM	3	3	23.58	23.53	23.52	
1.4	16QAM	6	0	22.59	22.57	22.59	23.5
1.4	64QAM	1	0	22.62	22.55	22.63	23.5
1.4	64QAM	1	3	22.49	22.57	22.51	



1.4	64QAM	1	5	22.60	22.54	22.56	
1.4	64QAM	3	0	22.53	22.48	22.50	
1.4	64QAM	3	1	22.66	22.61	22.61	
1.4	64QAM	3	3	22.55	22.59	22.56	22.5
1.4	64QAM	6	0	21.46	21.50	21.46	
1.4	256QAM	1	0	19.52	19.52	19.43	20.5
1.4	256QAM	1	3	19.49	19.49	19.48	
1.4	256QAM	1	5	19.60	19.60	19.60	
1.4	256QAM	3	0	19.54	19.46	19.53	
1.4	256QAM	3	1	19.56	19.56	19.48	
1.4	256QAM	3	3	19.43	19.60	19.49	19.5
1.4	256QAM	6	0	19.42	19.49	19.41	

FDD LTE Band 5_TX 1 (Index2)

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	22.06	22.02	21.96	23.7
10	QPSK	1	25	21.90	22.03	21.89	
10	QPSK	1	49	22.03	21.95	21.91	
10	QPSK	25	0	22.23	22.16	22.09	23.7
10	QPSK	25	12	22.20	22.13	22.03	
10	QPSK	25	25	22.14	21.98	21.94	
10	QPSK	50	0	22.15	22.06	22.01	23.7
10	16QAM	1	0	22.38	22.30	22.11	
10	16QAM	1	25	22.24	22.28	22.05	
10	16QAM	1	49	22.28	22.18	22.04	23.5
10	16QAM	25	0	21.65	21.65	21.58	
10	16QAM	25	12	21.70	21.69	21.58	
10	16QAM	25	25	21.76	21.65	21.63	23.5
10	16QAM	50	0	21.65	21.51	21.67	
10	64QAM	1	0	21.88	21.92	21.72	
10	64QAM	1	25	21.90	21.56	21.69	23.5
10	64QAM	1	49	21.76	21.60	21.62	
10	64QAM	25	0	21.74	21.49	21.46	
10	64QAM	25	12	21.57	21.44	21.46	22.5
10	64QAM	25	25	21.65	21.48	21.36	
10	64QAM	50	0	21.58	21.46	21.50	
10	256QAM	1	0	19.54	19.39	19.32	20.5
10	256QAM	1	25	19.41	19.33	19.23	
10	256QAM	1	49	19.22	19.16	19.08	
10	256QAM	25	0	19.26	19.27	19.08	20.5
10	256QAM	25	12	19.17	19.24	19.23	
10	256QAM	25	25	19.20	19.14	18.96	
10	256QAM	25	25	19.20	19.14	18.96	
10	256QAM	50	0	19.16	19.11	18.90	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	21.97	21.87	21.83	23.7
5	QPSK	1	12	21.84	21.90	21.78	
5	QPSK	1	24	21.88	21.91	21.89	
5	QPSK	12	0	22.06	21.97	21.96	23.7
5	QPSK	12	7	22.17	22.02	22.01	
5	QPSK	12	13	22.05	21.89	21.94	
5	QPSK	25	0	21.96	22.00	22.01	



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5	16QAM	1	0	22.25	22.18	22.02	23.7
5	16QAM	1	12	22.18	22.10	21.88	
5	16QAM	1	24	22.21	22.09	21.97	
5	16QAM	12	0	21.62	21.69	21.62	23.5
5	16QAM	12	7	21.56	21.60	21.59	
5	16QAM	12	13	21.75	21.76	21.54	
5	16QAM	25	0	21.56	21.63	21.58	23.5
5	64QAM	1	0	21.77	21.90	21.72	
5	64QAM	1	12	21.83	21.61	21.65	
5	64QAM	1	24	21.56	21.66	21.53	22.5
5	64QAM	12	0	21.70	21.32	21.32	
5	64QAM	12	7	21.49	21.41	21.34	
5	64QAM	12	13	21.65	21.37	21.28	20.5
5	64QAM	25	0	21.58	21.44	21.32	
5	256QAM	1	0	19.53	19.24	19.32	
5	256QAM	1	12	19.31	19.30	19.17	20.5
5	256QAM	1	24	19.08	19.11	18.96	
5	256QAM	12	0	19.08	19.08	18.94	
5	256QAM	12	7	19.17	19.15	19.18	20.5
5	256QAM	12	13	19.13	19.07	18.81	
5	256QAM	25	0	18.98	18.99	18.84	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	21.90	21.83	21.92	23.7
3	QPSK	1	8	21.90	21.93	21.86	
3	QPSK	1	14	21.87	21.76	21.75	
3	QPSK	8	0	22.12	22.12	21.89	23.7
3	QPSK	8	4	22.00	21.95	21.97	
3	QPSK	8	7	21.94	21.82	21.90	
3	QPSK	15	0	22.04	22.03	21.97	23.7
3	16QAM	1	0	22.26	22.24	22.08	
3	16QAM	1	8	22.15	22.22	21.91	
3	16QAM	1	14	22.15	22.00	21.88	23.5
3	16QAM	8	0	21.56	21.54	21.70	
3	16QAM	8	4	21.56	21.57	21.58	
3	16QAM	8	7	21.61	21.57	21.56	23.5
3	16QAM	15	0	21.57	21.69	21.52	
3	64QAM	1	0	21.88	21.74	21.71	
3	64QAM	1	8	21.78	21.61	21.69	23.5
3	64QAM	1	14	21.71	21.61	21.60	
3	64QAM	8	0	21.68	21.32	21.27	
3	64QAM	8	4	21.38	21.43	21.42	22.5
3	64QAM	8	7	21.52	21.39	21.32	
3	64QAM	15	0	21.38	21.46	21.45	
3	256QAM	1	0	19.38	19.38	19.32	20.5
3	256QAM	1	8	19.21	19.33	19.10	
3	256QAM	1	14	19.12	19.08	19.03	
3	256QAM	8	0	19.10	19.24	18.89	20.5
3	256QAM	8	4	19.01	19.19	19.16	
3	256QAM	8	7	19.04	19.09	18.81	
3	256QAM	15	0	18.98	18.92	18.89	Tune-up limit (dBm)
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.05	21.87	21.85	23.7
1.4	QPSK	1	3	21.90	21.90	21.78	
1.4	QPSK	1	5	21.95	21.91	21.74	



1.4	QPSK	3	0	22.04	22.14	22.01	
1.4	QPSK	3	1	22.12	22.00	21.89	
1.4	QPSK	3	3	22.04	21.79	21.89	
1.4	QPSK	6	0	21.96	21.87	21.82	23.7
1.4	16QAM	1	0	22.37	22.17	22.01	23.7
1.4	16QAM	1	3	22.20	22.16	21.87	
1.4	16QAM	1	5	22.24	21.99	21.88	
1.4	16QAM	3	0	21.91	21.82	21.83	
1.4	16QAM	3	1	21.90	21.91	21.81	
1.4	16QAM	3	3	21.85	21.93	21.90	
1.4	16QAM	6	0	22.05	22.00	21.92	23.5
1.4	64QAM	1	0	22.10	22.04	21.80	23.5
1.4	64QAM	1	3	22.21	22.09	21.91	
1.4	64QAM	1	5	22.10	21.97	21.85	
1.4	64QAM	3	0	22.22	22.27	22.05	
1.4	64QAM	3	1	22.36	21.95	21.82	
1.4	64QAM	3	3	22.07	22.09	21.80	
1.4	64QAM	6	0	21.61	21.44	21.39	22.5
1.4	256QAM	1	0	19.47	19.20	19.30	20.5
1.4	256QAM	1	3	19.32	19.30	19.23	
1.4	256QAM	1	5	19.12	19.00	18.89	
1.4	256QAM	3	0	19.35	19.19	19.30	
1.4	256QAM	3	1	19.41	19.27	19.19	
1.4	256QAM	3	3	19.19	19.14	19.01	
1.4	256QAM	6	0	19.25	19.25	18.95	20.5

FDD LTE Band 5_TX 1 (Index3)

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	22.06	22.02	21.96	22.5
10	QPSK	1	25	21.90	22.03	21.89	
10	QPSK	1	49	22.03	21.95	21.91	
10	QPSK	25	0	22.23	22.16	22.09	22.5
10	QPSK	25	12	22.20	22.13	22.03	
10	QPSK	25	25	22.14	21.98	21.94	
10	QPSK	50	0	22.15	22.06	22.01	22.5
10	16QAM	1	0	22.38	22.30	22.11	
10	16QAM	1	25	22.24	22.28	22.05	
10	16QAM	1	49	22.28	22.18	22.04	22.5
10	16QAM	25	0	21.65	21.65	21.58	
10	16QAM	25	12	21.70	21.69	21.58	
10	16QAM	25	25	21.76	21.65	21.63	22.5
10	16QAM	50	0	21.65	21.51	21.67	
10	64QAM	1	0	21.88	21.92	21.72	
10	64QAM	1	25	21.90	21.56	21.69	22.5
10	64QAM	1	49	21.76	21.60	21.62	
10	64QAM	25	0	21.74	21.49	21.46	
10	64QAM	25	12	21.57	21.44	21.46	22.5
10	64QAM	25	25	21.65	21.48	21.36	
10	64QAM	50	0	21.58	21.46	21.50	
10	256QAM	1	0	19.54	19.39	19.32	20.5
10	256QAM	1	25	19.41	19.33	19.23	
10	256QAM	1	49	19.22	19.16	19.08	



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10	256QAM	25	0	19.26	19.27	19.08	20.5
10	256QAM	25	12	19.17	19.24	19.23	
10	256QAM	25	25	19.20	19.14	18.96	
10	256QAM	50	0	19.16	19.11	18.90	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	21.97	21.87	21.83	22.5
5	QPSK	1	12	21.84	21.90	21.78	
5	QPSK	1	24	21.88	21.91	21.89	
5	QPSK	12	0	22.06	21.97	21.96	22.5
5	QPSK	12	7	22.17	22.02	22.01	
5	QPSK	12	13	22.05	21.89	21.94	
5	QPSK	25	0	21.96	22.00	22.01	
5	16QAM	1	0	22.25	22.18	22.02	22.5
5	16QAM	1	12	22.18	22.10	21.88	
5	16QAM	1	24	22.21	22.09	21.97	
5	16QAM	12	0	21.62	21.69	21.62	
5	16QAM	12	7	21.56	21.60	21.59	22.5
5	16QAM	12	13	21.75	21.76	21.54	
5	16QAM	25	0	21.56	21.63	21.58	
5	64QAM	1	0	21.77	21.90	21.72	22.5
5	64QAM	1	12	21.83	21.61	21.65	
5	64QAM	1	24	21.56	21.66	21.53	
5	64QAM	12	0	21.70	21.32	21.32	22.5
5	64QAM	12	7	21.49	21.41	21.34	
5	64QAM	12	13	21.65	21.37	21.28	
5	64QAM	25	0	21.58	21.44	21.32	
5	256QAM	1	0	19.53	19.24	19.32	20.5
5	256QAM	1	12	19.31	19.30	19.17	
5	256QAM	1	24	19.08	19.11	18.96	
5	256QAM	12	0	19.08	19.08	18.94	20.5
5	256QAM	12	7	19.17	19.15	19.18	
5	256QAM	12	13	19.13	19.07	18.81	
5	256QAM	25	0	18.98	18.99	18.84	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	21.90	21.83	21.92	22.5
3	QPSK	1	8	21.90	21.93	21.86	
3	QPSK	1	14	21.87	21.76	21.75	
3	QPSK	8	0	22.12	22.12	21.89	22.5
3	QPSK	8	4	22.00	21.95	21.97	
3	QPSK	8	7	21.94	21.82	21.90	
3	QPSK	15	0	22.04	22.03	21.97	
3	16QAM	1	0	22.26	22.24	22.08	22.5
3	16QAM	1	8	22.15	22.22	21.91	
3	16QAM	1	14	22.15	22.00	21.88	
3	16QAM	8	0	21.56	21.54	21.70	22.5
3	16QAM	8	4	21.56	21.57	21.58	
3	16QAM	8	7	21.61	21.57	21.56	
3	16QAM	15	0	21.57	21.69	21.52	
3	64QAM	1	0	21.88	21.74	21.71	22.5
3	64QAM	1	8	21.78	21.61	21.69	
3	64QAM	1	14	21.71	21.61	21.60	
3	64QAM	8	0	21.68	21.32	21.27	22.5
3	64QAM	8	4	21.38	21.43	21.42	
3	64QAM	8	7	21.52	21.39	21.32	



3	64QAM	15	0	21.38	21.46	21.45	
3	256QAM	1	0	19.38	19.38	19.32	20.5
3	256QAM	1	8	19.21	19.33	19.10	
3	256QAM	1	14	19.12	19.08	19.03	
3	256QAM	8	0	19.10	19.24	18.89	20.5
3	256QAM	8	4	19.01	19.19	19.16	
3	256QAM	8	7	19.04	19.09	18.81	
3	256QAM	15	0	18.98	18.92	18.89	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.05	21.87	21.85	22.5
1.4	QPSK	1	3	21.90	21.90	21.78	
1.4	QPSK	1	5	21.95	21.91	21.74	
1.4	QPSK	3	0	22.04	22.14	22.01	
1.4	QPSK	3	1	22.12	22.00	21.89	
1.4	QPSK	3	3	22.04	21.79	21.89	
1.4	QPSK	6	0	21.96	21.87	21.82	22.5
1.4	16QAM	1	0	22.37	22.17	22.01	22.5
1.4	16QAM	1	3	22.20	22.16	21.87	
1.4	16QAM	1	5	22.24	21.99	21.88	
1.4	16QAM	3	0	21.91	21.82	21.83	
1.4	16QAM	3	1	21.90	21.91	21.81	
1.4	16QAM	3	3	21.85	21.93	21.90	
1.4	16QAM	6	0	22.05	22.00	21.92	22.5
1.4	64QAM	1	0	22.10	22.04	21.80	22.5
1.4	64QAM	1	3	22.21	22.09	21.91	
1.4	64QAM	1	5	22.10	21.97	21.85	
1.4	64QAM	3	0	22.22	22.27	22.05	
1.4	64QAM	3	1	22.36	21.95	21.82	
1.4	64QAM	3	3	22.07	22.09	21.80	
1.4	64QAM	6	0	21.61	21.44	21.39	22.5
1.4	256QAM	1	0	19.47	19.20	19.30	20.5
1.4	256QAM	1	3	19.32	19.30	19.23	
1.4	256QAM	1	5	19.12	19.00	18.89	
1.4	256QAM	3	0	19.35	19.19	19.30	
1.4	256QAM	3	1	19.41	19.27	19.19	
1.4	256QAM	3	3	19.19	19.14	19.01	
1.4	256QAM	6	0	19.25	19.25	18.95	20.5

FDD LTE Band 7_TX 0 (Index2)

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	23.72	23.74	23.78	25.3
20	QPSK	1	49	23.68	23.59	23.72	
20	QPSK	1	99	23.69	23.69	23.77	
20	QPSK	50	0	23.80	23.76	23.88	24.5
20	QPSK	50	24	23.79	23.72	23.85	
20	QPSK	50	50	23.71	23.72	23.84	
20	QPSK	100	0	23.82	23.71	23.86	24.5
20	16QAM	1	0	23.92	24.01	24.10	
20	16QAM	1	49	23.84	23.88	24.05	
20	16QAM	1	99	23.93	23.95	24.09	24.5
20	16QAM	50	0	22.73	22.72	22.79	



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20	16QAM	50	24	22.77	22.72	22.85	
20	16QAM	50	50	22.80	22.77	22.87	
20	16QAM	100	0	22.76	22.74	22.85	
20	64QAM	1	0	22.81	23.00	22.98	23.5
20	64QAM	1	49	22.75	22.91	23.00	
20	64QAM	1	99	23.10	22.97	23.17	
20	64QAM	50	0	21.77	21.81	21.88	22.5
20	64QAM	50	24	21.78	21.79	21.88	
20	64QAM	50	50	21.84	21.79	21.97	
20	64QAM	100	0	21.78	21.75	21.88	
20	256QAM	1	0	20.10	20.18	20.04	20.5
20	256QAM	1	49	19.70	20.01	19.75	
20	256QAM	1	99	19.66	19.72	19.67	
20	256QAM	50	0	19.42	19.72	19.54	20.5
20	256QAM	50	24	19.42	19.70	19.42	
20	256QAM	50	50	19.45	19.68	19.56	
20	256QAM	100	0	19.38	19.48	19.50	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.52	23.57	23.64	25.3
15	QPSK	1	37	23.58	23.45	23.72	
15	QPSK	1	74	23.69	23.66	23.62	
15	QPSK	36	0	23.63	23.76	23.73	24.5
15	QPSK	36	20	23.66	23.70	23.80	
15	QPSK	36	39	23.63	23.58	23.66	
15	QPSK	75	0	23.79	23.51	23.70	
15	16QAM	1	0	23.91	23.81	23.97	24.5
15	16QAM	1	37	23.84	23.69	23.87	
15	16QAM	1	74	23.82	23.89	23.99	
15	16QAM	36	0	22.66	22.72	22.64	23.5
15	16QAM	36	20	22.61	22.58	22.69	
15	16QAM	36	39	22.66	22.75	22.68	
15	16QAM	75	0	22.62	22.66	22.80	
15	64QAM	1	0	22.66	22.98	22.81	23.5
15	64QAM	1	37	22.64	22.81	22.82	
15	64QAM	1	74	22.92	22.84	23.01	
15	64QAM	36	0	21.63	21.62	21.88	22.5
15	64QAM	36	20	21.62	21.78	21.83	
15	64QAM	36	39	21.74	21.69	21.88	
15	64QAM	75	0	21.66	21.55	21.77	
15	256QAM	1	0	20.08	20.13	20.04	20.5
15	256QAM	1	37	19.53	19.97	19.67	
15	256QAM	1	74	19.61	19.55	19.48	
15	256QAM	36	0	19.41	19.55	19.53	20.5
15	256QAM	36	20	19.31	19.51	19.42	
15	256QAM	36	39	19.32	19.52	19.37	
15	256QAM	75	0	19.37	19.34	19.47	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.65	23.69	23.60	25.3
10	QPSK	1	25	23.53	23.41	23.70	
10	QPSK	1	49	23.64	23.49	23.62	
10	QPSK	25	0	23.79	23.73	23.84	24.5
10	QPSK	25	12	23.63	23.65	23.83	
10	QPSK	25	25	23.51	23.62	23.66	
10	QPSK	50	0	23.80	23.68	23.77	



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10	16QAM	1	0	23.79	23.82	24.08	24.5
10	16QAM	1	25	23.71	23.79	23.96	
10	16QAM	1	49	23.75	23.95	24.00	
10	16QAM	25	0	22.68	22.58	22.66	23.5
10	16QAM	25	12	22.64	22.56	22.65	
10	16QAM	25	25	22.65	22.73	22.68	
10	16QAM	50	0	22.69	22.60	22.81	23.5
10	64QAM	1	0	22.71	22.85	22.95	
10	64QAM	1	25	22.72	22.73	22.95	
10	64QAM	1	49	23.02	22.80	23.00	22.5
10	64QAM	25	0	21.71	21.61	21.82	
10	64QAM	25	12	21.71	21.69	21.71	
10	64QAM	25	25	21.67	21.70	21.82	20.5
10	64QAM	50	0	21.71	21.55	21.80	
10	256QAM	1	0	19.96	20.06	19.98	
10	256QAM	1	25	19.65	19.81	19.69	20.5
10	256QAM	1	49	19.53	19.61	19.50	
10	256QAM	25	0	19.31	19.53	19.45	
10	256QAM	25	12	19.25	19.62	19.33	20.5
10	256QAM	25	25	19.39	19.54	19.40	
10	256QAM	50	0	19.38	19.42	19.38	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.69	23.67	23.63	25.3
5	QPSK	1	12	23.58	23.42	23.69	
5	QPSK	1	24	23.66	23.50	23.62	
5	QPSK	12	0	23.75	23.75	23.68	24.5
5	QPSK	12	7	23.74	23.52	23.75	
5	QPSK	12	13	23.69	23.66	23.70	
5	QPSK	25	0	23.75	23.63	23.74	24.5
5	16QAM	1	0	23.92	23.88	24.02	
5	16QAM	1	12	23.72	23.83	23.94	
5	16QAM	1	24	23.78	23.90	24.03	23.5
5	16QAM	12	0	22.63	22.55	22.77	
5	16QAM	12	7	22.63	22.60	22.75	
5	16QAM	12	13	22.64	22.62	22.74	23.5
5	16QAM	25	0	22.61	22.68	22.72	
5	64QAM	1	0	22.77	22.84	22.88	
5	64QAM	1	12	22.65	22.80	22.88	23.5
5	64QAM	1	24	23.06	22.96	23.08	
5	64QAM	12	0	21.77	21.67	21.76	
5	64QAM	12	7	21.63	21.73	21.71	22.5
5	64QAM	12	13	21.65	21.77	21.78	
5	64QAM	25	0	21.69	21.57	21.74	
5	256QAM	1	0	20.01	19.99	19.96	20.5
5	256QAM	1	12	19.52	19.92	19.68	
5	256QAM	1	24	19.48	19.64	19.53	
5	256QAM	12	0	19.42	19.63	19.44	20.5
5	256QAM	12	7	19.40	19.54	19.34	
5	256QAM	12	13	19.38	19.59	19.54	
5	256QAM	25	0	19.18	19.42	19.35	



FDD LTE Band 7_TX 0 (Index3)

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	23.72	23.74	23.78	24.1
20	QPSK	1	49	23.68	23.59	23.72	
20	QPSK	1	99	23.69	23.69	23.77	
20	QPSK	50	0	23.80	23.76	23.88	24.1
20	QPSK	50	24	23.79	23.72	23.85	
20	QPSK	50	50	23.71	23.72	23.84	
20	QPSK	100	0	23.82	23.71	23.86	24.1
20	16QAM	1	0	23.92	24.01	24.10	
20	16QAM	1	49	23.84	23.88	24.05	
20	16QAM	1	99	23.93	23.95	24.09	23.5
20	16QAM	50	0	22.73	22.72	22.79	
20	16QAM	50	24	22.77	22.72	22.85	
20	16QAM	50	50	22.80	22.77	22.87	23.5
20	16QAM	100	0	22.76	22.74	22.85	
20	64QAM	1	0	22.81	23.00	22.98	
20	64QAM	1	49	22.75	22.91	23.00	23.5
20	64QAM	1	99	23.10	22.97	23.17	
20	64QAM	50	0	21.77	21.81	21.88	
20	64QAM	50	24	21.78	21.79	21.88	22.5
20	64QAM	50	50	21.84	21.79	21.97	
20	64QAM	100	0	21.78	21.75	21.88	
20	256QAM	1	0	20.10	20.18	20.04	20.5
20	256QAM	1	49	19.70	20.01	19.75	
20	256QAM	1	99	19.66	19.72	19.67	
20	256QAM	50	0	19.42	19.72	19.54	20.5
20	256QAM	50	24	19.42	19.70	19.42	
20	256QAM	50	50	19.45	19.68	19.56	
20	256QAM	100	0	19.38	19.48	19.50	20.5
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.52	23.57	23.64	24.1
15	QPSK	1	37	23.58	23.45	23.72	
15	QPSK	1	74	23.69	23.66	23.62	
15	QPSK	36	0	23.63	23.76	23.73	24.1
15	QPSK	36	20	23.66	23.70	23.80	
15	QPSK	36	39	23.63	23.58	23.66	
15	QPSK	75	0	23.79	23.51	23.70	24.1
15	16QAM	1	0	23.91	23.81	23.97	
15	16QAM	1	37	23.84	23.69	23.87	
15	16QAM	1	74	23.82	23.89	23.99	23.5
15	16QAM	36	0	22.66	22.72	22.64	
15	16QAM	36	20	22.61	22.58	22.69	
15	16QAM	36	39	22.66	22.75	22.68	23.5
15	16QAM	75	0	22.62	22.66	22.80	
15	64QAM	1	0	22.66	22.98	22.81	
15	64QAM	1	37	22.64	22.81	22.82	23.5
15	64QAM	1	74	22.92	22.84	23.01	
15	64QAM	36	0	21.63	21.62	21.88	
15	64QAM	36	20	21.62	21.78	21.83	22.5
15	64QAM	36	39	21.74	21.69	21.88	



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15	64QAM	75	0	21.66	21.55	21.77	
15	256QAM	1	0	20.08	20.13	20.04	20.5
15	256QAM	1	37	19.53	19.97	19.67	
15	256QAM	1	74	19.61	19.55	19.48	
15	256QAM	36	0	19.41	19.55	19.53	20.5
15	256QAM	36	20	19.31	19.51	19.42	
15	256QAM	36	39	19.32	19.52	19.37	
15	256QAM	75	0	19.37	19.34	19.47	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.65	23.69	23.60	24.1
10	QPSK	1	25	23.53	23.41	23.70	
10	QPSK	1	49	23.64	23.49	23.62	
10	QPSK	25	0	23.79	23.73	23.84	24.1
10	QPSK	25	12	23.63	23.65	23.83	
10	QPSK	25	25	23.51	23.62	23.66	
10	QPSK	50	0	23.80	23.68	23.77	
10	16QAM	1	0	23.79	23.82	24.08	24.1
10	16QAM	1	25	23.71	23.79	23.96	
10	16QAM	1	49	23.75	23.95	24.00	
10	16QAM	25	0	22.68	22.58	22.66	23.5
10	16QAM	25	12	22.64	22.56	22.65	
10	16QAM	25	25	22.65	22.73	22.68	
10	16QAM	50	0	22.69	22.60	22.81	
10	64QAM	1	0	22.71	22.85	22.95	23.5
10	64QAM	1	25	22.72	22.73	22.95	
10	64QAM	1	49	23.02	22.80	23.00	
10	64QAM	25	0	21.71	21.61	21.82	22.5
10	64QAM	25	12	21.71	21.69	21.71	
10	64QAM	25	25	21.67	21.70	21.82	
10	64QAM	50	0	21.71	21.55	21.80	
10	256QAM	1	0	19.96	20.06	19.98	20.5
10	256QAM	1	25	19.65	19.81	19.69	
10	256QAM	1	49	19.53	19.61	19.50	
10	256QAM	25	0	19.31	19.53	19.45	20.5
10	256QAM	25	12	19.25	19.62	19.33	
10	256QAM	25	25	19.39	19.54	19.40	
10	256QAM	50	0	19.38	19.42	19.38	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.69	23.67	23.63	24.1
5	QPSK	1	12	23.58	23.42	23.69	
5	QPSK	1	24	23.66	23.50	23.62	
5	QPSK	12	0	23.75	23.75	23.68	24.1
5	QPSK	12	7	23.74	23.52	23.75	
5	QPSK	12	13	23.69	23.66	23.70	
5	QPSK	25	0	23.75	23.63	23.74	
5	16QAM	1	0	23.92	23.88	24.02	24.1
5	16QAM	1	12	23.72	23.83	23.94	
5	16QAM	1	24	23.78	23.90	24.03	
5	16QAM	12	0	22.63	22.55	22.77	23.5
5	16QAM	12	7	22.63	22.60	22.75	
5	16QAM	12	13	22.64	22.62	22.74	
5	16QAM	25	0	22.61	22.68	22.72	
5	64QAM	1	0	22.77	22.84	22.88	23.5
5	64QAM	1	12	22.65	22.80	22.88	



5	64QAM	1	24	23.06	22.96	23.08	
5	64QAM	12	0	21.77	21.67	21.76	22.5
5	64QAM	12	7	21.63	21.73	21.71	
5	64QAM	12	13	21.65	21.77	21.78	
5	64QAM	25	0	21.69	21.57	21.74	
5	256QAM	1	0	20.01	19.99	19.96	20.5
5	256QAM	1	12	19.52	19.92	19.68	
5	256QAM	1	24	19.48	19.64	19.53	
5	256QAM	12	0	19.42	19.63	19.44	20.5
5	256QAM	12	7	19.40	19.54	19.34	
5	256QAM	12	13	19.38	19.59	19.54	
5	256QAM	25	0	19.18	19.42	19.35	

FDD LTE Band 7_TX 1 (Index2/3)

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	23.82	23.74	23.81	25.1
20	QPSK	1	49	23.78	23.57	23.52	
20	QPSK	1	99	23.81	23.71	23.71	
20	QPSK	50	0	22.82	22.76	22.77	24.1
20	QPSK	50	24	22.73	22.74	22.70	
20	QPSK	50	50	22.78	22.74	22.67	
20	QPSK	100	0	22.85	22.78	22.70	24.1
20	16QAM	1	0	22.85	23.02	22.83	
20	16QAM	1	49	22.79	22.91	22.81	
20	16QAM	1	99	23.08	23.00	23.06	23.1
20	16QAM	50	0	21.74	21.76	21.64	
20	16QAM	50	24	21.79	21.77	21.69	
20	16QAM	50	50	21.84	21.79	21.76	23.1
20	16QAM	100	0	21.78	21.75	21.70	
20	64QAM	1	0	21.92	22.11	21.92	
20	64QAM	1	49	21.89	21.88	21.87	
20	64QAM	1	99	22.11	22.03	22.10	
20	64QAM	50	0	20.79	20.81	20.70	22.1
20	64QAM	50	24	20.84	20.81	20.74	
20	64QAM	50	50	20.87	20.81	20.79	
20	64QAM	100	0	20.81	20.77	20.71	
20	256QAM	1	0	18.83	19.04	18.78	20.1
20	256QAM	1	49	18.46	18.73	18.40	
20	256QAM	1	99	18.40	18.71	18.43	
20	256QAM	50	0	18.38	18.65	18.39	20.1
20	256QAM	50	24	18.47	18.70	18.42	
20	256QAM	50	50	18.41	18.68	18.33	
20	256QAM	100	0	18.29	18.57	18.30	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.63	23.79	23.70	25.1
15	QPSK	1	37	23.69	23.76	23.65	
15	QPSK	1	74	23.80	23.78	23.80	
15	QPSK	36	0	22.72	22.80	22.74	24.1
15	QPSK	36	20	22.79	22.80	22.76	
15	QPSK	36	39	22.84	22.87	22.81	
15	QPSK	75	0	22.84	22.87	22.80	



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15	16QAM	1	0	22.95	23.06	22.89	24.1
15	16QAM	1	37	22.90	22.92	22.82	
15	16QAM	1	74	23.06	23.05	22.98	
15	16QAM	36	0	21.80	21.86	21.73	23.1
15	16QAM	36	20	21.85	21.85	21.80	
15	16QAM	36	39	21.87	21.84	21.85	
15	16QAM	75	0	21.87	21.86	21.84	23.1
15	64QAM	1	0	22.43	22.49	22.42	
15	64QAM	1	37	22.45	22.38	22.38	
15	64QAM	1	74	22.47	22.49	22.47	22.1
15	64QAM	36	0	21.38	21.41	21.32	
15	64QAM	36	20	21.40	21.41	21.37	
15	64QAM	36	39	21.43	21.41	21.42	20.1
15	64QAM	75	0	21.46	21.47	21.44	
15	256QAM	1	0	18.78	19.01	18.72	
15	256QAM	1	37	18.44	18.74	18.41	20.1
15	256QAM	1	74	18.39	18.74	18.45	
15	256QAM	36	0	18.32	18.63	18.34	
15	256QAM	36	20	18.50	18.69	18.42	20.1
15	256QAM	36	39	18.38	18.67	18.33	
15	256QAM	75	0	18.24	18.58	18.24	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.63	23.79	23.70	25.1
10	QPSK	1	25	23.69	23.76	23.65	
10	QPSK	1	49	23.80	23.78	23.80	
10	QPSK	25	0	22.72	22.80	22.74	24.1
10	QPSK	25	12	22.79	22.80	22.76	
10	QPSK	25	25	22.84	22.87	22.81	
10	QPSK	50	0	22.84	22.87	22.80	24.1
10	16QAM	1	0	22.95	23.06	22.89	
10	16QAM	1	25	22.90	22.92	22.82	
10	16QAM	1	49	23.06	23.05	22.98	23.1
10	16QAM	25	0	21.80	21.86	21.73	
10	16QAM	25	12	21.85	21.85	21.80	
10	16QAM	25	25	21.87	21.84	21.85	23.1
10	16QAM	50	0	21.87	21.86	21.84	
10	64QAM	1	0	22.43	22.49	22.42	
10	64QAM	1	25	22.45	22.38	22.38	23.1
10	64QAM	1	49	22.47	22.49	22.47	
10	64QAM	25	0	21.38	21.41	21.32	
10	64QAM	25	12	21.40	21.41	21.37	22.1
10	64QAM	25	25	21.43	21.41	21.42	
10	64QAM	50	0	21.46	21.47	21.44	
10	256QAM	1	0	18.78	19.01	18.72	20.1
10	256QAM	1	25	18.44	18.74	18.41	
10	256QAM	1	49	18.39	18.74	18.45	
10	256QAM	25	0	18.32	18.63	18.34	20.1
10	256QAM	25	12	18.50	18.69	18.42	
10	256QAM	25	25	18.38	18.67	18.33	
10	256QAM	50	0	18.24	18.58	18.24	Tune-up limit (dBm)
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.78	23.81	23.81	25.1
5	QPSK	1	12	23.76	23.79	23.79	
5	QPSK	1	24	23.80	23.77	23.70	



5	QPSK	12	0	22.77	22.84	22.79	24.1
5	QPSK	12	7	22.79	22.87	22.80	
5	QPSK	12	13	22.80	22.87	22.82	
5	QPSK	25	0	22.79	22.90	22.81	
5	16QAM	1	0	23.08	23.15	23.07	24.1
5	16QAM	1	12	22.89	23.06	22.88	
5	16QAM	1	24	22.98	23.17	23.12	
5	16QAM	12	0	21.83	21.92	21.82	23.1
5	16QAM	12	7	21.85	21.90	21.89	
5	16QAM	12	13	21.94	21.91	21.88	
5	16QAM	25	0	21.86	21.92	21.88	
5	64QAM	1	0	22.05	22.01	21.90	23.1
5	64QAM	1	12	21.95	21.99	21.97	
5	64QAM	1	24	22.01	22.01	22.00	
5	64QAM	12	0	20.85	20.91	20.88	22.1
5	64QAM	12	7	20.87	20.96	20.91	
5	64QAM	12	13	20.85	20.91	20.90	
5	64QAM	25	0	20.86	20.91	20.81	
5	256QAM	1	0	18.79	18.98	18.69	20.1
5	256QAM	1	12	18.44	18.76	18.38	
5	256QAM	1	24	18.30	18.73	18.39	
5	256QAM	12	0	18.27	18.63	18.29	20.1
5	256QAM	12	7	18.52	18.63	18.43	
5	256QAM	12	13	18.38	18.59	18.26	
5	256QAM	25	0	18.26	18.50	18.19	

FDD LTE Band 12_TX 0 (Index2/3)

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				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.78	24.81	24.80	25.5
10	QPSK	1	25	24.70	24.73	24.66	
10	QPSK	1	49	24.75	24.74	24.69	
10	QPSK	25	0	23.79	23.84	23.80	24.5
10	QPSK	25	12	23.75	23.83	23.75	
10	QPSK	25	25	23.78	23.82	23.80	
10	QPSK	50	0	23.78	23.82	23.81	
10	16QAM	1	0	24.09	24.07	24.10	24.5
10	16QAM	1	25	24.04	24.08	24.01	
10	16QAM	1	49	24.08	24.17	24.06	
10	16QAM	25	0	22.79	22.80	22.81	23.5
10	16QAM	25	12	22.78	22.80	22.82	
10	16QAM	25	25	22.77	22.83	22.83	
10	16QAM	50	0	22.79	22.80	22.80	
10	64QAM	1	0	22.98	23.03	23.00	23.5
10	64QAM	1	25	23.05	22.97	22.99	
10	64QAM	1	49	23.02	23.04	22.98	
10	64QAM	25	0	21.80	21.81	21.78	22.5
10	64QAM	25	12	21.78	21.85	21.77	
10	64QAM	25	25	21.78	21.85	21.78	
10	64QAM	50	0	21.78	21.85	21.81	
10	256QAM	1	0	19.92	19.96	19.80	20.5
10	256QAM	1	25	19.57	19.66	19.42	
10	256QAM	1	49	19.65	19.74	19.51	



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10	256QAM	25	0	19.57	19.62	19.41	20.5
10	256QAM	25	12	19.46	19.54	19.29	
10	256QAM	25	25	19.44	19.53	19.29	
10	256QAM	50	0	19.47	19.58	19.40	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.72	24.77	24.76	25.5
5	QPSK	1	12	24.77	24.72	24.76	
5	QPSK	1	24	24.70	24.71	24.68	
5	QPSK	12	0	23.93	23.87	23.92	24.5
5	QPSK	12	7	23.92	23.94	23.94	
5	QPSK	12	13	23.95	23.92	23.95	
5	QPSK	25	0	23.92	23.90	23.90	
5	16QAM	1	0	24.23	24.18	24.31	24.5
5	16QAM	1	12	24.13	24.12	24.28	
5	16QAM	1	24	24.24	24.23	24.26	
5	16QAM	12	0	22.98	22.92	23.00	23.5
5	16QAM	12	7	22.97	22.96	22.99	
5	16QAM	12	13	22.94	22.97	22.96	
5	16QAM	25	0	22.90	22.89	22.91	
5	64QAM	1	0	23.14	23.09	23.11	23.5
5	64QAM	1	12	22.98	23.02	23.12	
5	64QAM	1	24	22.92	23.13	23.09	
5	64QAM	12	0	21.95	21.89	21.99	22.5
5	64QAM	12	7	21.97	21.92	22.02	
5	64QAM	12	13	21.99	21.90	22.03	
5	64QAM	25	0	21.89	21.85	21.91	
5	256QAM	1	0	20.01	19.92	19.98	20.5
5	256QAM	1	12	19.78	19.76	19.83	
5	256QAM	1	24	19.70	19.69	19.89	
5	256QAM	12	0	19.83	19.85	19.77	20.5
5	256QAM	12	7	19.76	19.89	19.76	
5	256QAM	12	13	19.77	19.76	19.76	
5	256QAM	25	0	19.74	19.81	19.74	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.77	24.80	24.71	25.5
3	QPSK	1	8	24.72	24.65	24.65	
3	QPSK	1	14	24.72	24.74	24.71	
3	QPSK	8	0	23.95	23.90	23.87	24.5
3	QPSK	8	4	23.98	23.92	23.89	
3	QPSK	8	7	23.95	23.94	23.92	
3	QPSK	15	0	23.92	23.91	23.89	
3	16QAM	1	0	24.24	24.22	24.26	24.5
3	16QAM	1	8	24.09	24.10	24.10	
3	16QAM	1	14	24.15	24.19	24.16	
3	16QAM	8	0	22.98	22.94	22.97	23.5
3	16QAM	8	4	22.99	22.98	22.97	
3	16QAM	8	7	22.99	22.97	22.96	
3	16QAM	15	0	22.95	22.89	22.93	
3	64QAM	1	0	23.02	23.02	23.14	23.5
3	64QAM	1	8	22.98	22.96	23.07	
3	64QAM	1	14	23.07	22.97	23.09	
3	64QAM	8	0	21.99	21.92	22.01	22.5
3	64QAM	8	4	21.96	21.95	21.97	
3	64QAM	8	7	21.95	22.00	21.99	



3	64QAM	15	0	21.97	21.97	22.00	
3	256QAM	1	0	19.92	19.94	19.96	20.5
3	256QAM	1	8	19.89	19.68	19.90	
3	256QAM	1	14	19.90	19.81	19.87	
3	256QAM	8	0	19.81	19.84	19.73	20.5
3	256QAM	8	4	19.79	19.73	19.85	
3	256QAM	8	7	19.79	19.76	19.84	
3	256QAM	15	0	19.76	19.74	19.77	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.75	24.79	24.77	25.5
1.4	QPSK	1	3	24.79	24.75	24.64	
1.4	QPSK	1	5	24.78	24.79	24.80	
1.4	QPSK	3	0	24.71	24.64	24.62	
1.4	QPSK	3	1	24.67	24.73	24.70	
1.4	QPSK	3	3	24.71	24.77	24.79	
1.4	QPSK	6	0	23.98	23.96	23.94	24.5
1.4	16QAM	1	0	24.20	24.19	24.19	24.5
1.4	16QAM	1	3	24.04	24.13	24.13	
1.4	16QAM	1	5	24.15	24.19	24.10	
1.4	16QAM	3	0	23.92	23.90	23.91	
1.4	16QAM	3	1	23.97	23.96	23.97	
1.4	16QAM	3	3	24.07	23.99	23.95	
1.4	16QAM	6	0	23.03	23.00	22.98	23.5
1.4	64QAM	1	0	23.03	23.07	23.06	23.5
1.4	64QAM	1	3	23.02	22.99	22.99	
1.4	64QAM	1	5	23.11	23.03	23.03	
1.4	64QAM	3	0	22.94	22.94	22.96	
1.4	64QAM	3	1	23.06	23.02	23.04	
1.4	64QAM	3	3	23.06	23.04	22.99	
1.4	64QAM	6	0	21.97	21.90	21.96	22.5
1.4	256QAM	1	0	19.89	20.07	19.95	20.5
1.4	256QAM	1	3	19.79	19.75	19.80	
1.4	256QAM	1	5	19.85	19.91	19.77	
1.4	256QAM	3	0	19.76	19.82	19.74	
1.4	256QAM	3	1	19.77	19.77	19.81	
1.4	256QAM	3	3	19.81	19.76	19.94	
1.4	256QAM	6	0	19.74	19.77	19.76	20.5

FDD LTE Band 12_TX 1 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.95	24.96	24.86	25.5
10	QPSK	1	25	24.87	24.80	24.68	
10	QPSK	1	49	24.92	24.88	24.82	
10	QPSK	25	0	23.93	23.98	23.93	24.5
10	QPSK	25	12	23.94	23.98	23.92	
10	QPSK	25	25	23.96	23.98	23.92	
10	QPSK	50	0	23.92	24.00	23.93	
10	16QAM	1	0	24.31	24.29	24.19	24.5
10	16QAM	1	25	24.25	24.20	24.12	
10	16QAM	1	49	24.33	24.24	24.09	
10	16QAM	25	0	23.05	22.99	22.92	23.5



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10	16QAM	25	12	23.05	22.99	22.92	
10	16QAM	25	25	23.06	22.98	22.92	
10	16QAM	50	0	23.01	22.96	22.90	
10	64QAM	1	0	23.25	23.04	23.09	23.5
10	64QAM	1	25	23.25	23.23	23.11	
10	64QAM	1	49	23.31	23.14	23.06	
10	64QAM	25	0	21.97	21.96	21.91	22.5
10	64QAM	25	12	22.00	21.94	21.87	
10	64QAM	25	25	22.01	21.95	21.90	
10	64QAM	50	0	22.03	21.97	21.91	20.5
10	256QAM	1	0	20.15	20.15	19.92	
10	256QAM	1	25	19.88	19.94	19.66	
10	256QAM	1	49	19.67	19.71	19.43	20.5
10	256QAM	25	0	19.75	19.84	19.52	
10	256QAM	25	12	19.66	19.71	19.40	
10	256QAM	25	25	19.49	19.58	19.27	Tune-up limit (dBm)
10	256QAM	50	0	19.64	19.72	19.46	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.85	24.75	24.67	25.5
5	QPSK	1	12	24.78	24.67	24.60	
5	QPSK	1	24	24.84	24.85	24.85	
5	QPSK	12	0	24.11	24.02	23.93	24.5
5	QPSK	12	7	24.11	24.04	23.93	
5	QPSK	12	13	24.11	24.02	23.93	
5	QPSK	25	0	24.12	24.01	23.91	24.5
5	16QAM	1	0	24.36	24.24	24.29	
5	16QAM	1	12	24.29	24.15	24.17	
5	16QAM	1	24	24.36	24.28	24.20	23.5
5	16QAM	12	0	23.15	23.05	22.97	
5	16QAM	12	7	23.18	23.07	22.99	
5	16QAM	12	13	23.17	23.10	22.97	23.5
5	16QAM	25	0	23.09	23.03	22.95	
5	64QAM	1	0	23.16	23.19	23.13	
5	64QAM	1	12	23.15	23.00	23.03	23.5
5	64QAM	1	24	23.24	23.18	23.10	
5	64QAM	12	0	22.15	22.04	21.98	
5	64QAM	12	7	22.16	22.06	21.97	22.5
5	64QAM	12	13	22.14	22.05	21.98	
5	64QAM	25	0	22.11	22.06	21.92	
5	256QAM	1	0	20.08	19.95	19.74	20.5
5	256QAM	1	12	19.72	19.92	19.63	
5	256QAM	1	24	19.64	19.54	19.40	
5	256QAM	12	0	19.64	19.82	19.40	20.5
5	256QAM	12	7	19.50	19.62	19.40	
5	256QAM	12	13	19.33	19.52	19.13	
5	256QAM	25	0	19.54	19.71	19.29	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.82	24.75	24.63	25.5
3	QPSK	1	8	24.71	24.62	24.63	
3	QPSK	1	14	24.79	24.86	24.83	
3	QPSK	8	0	24.05	24.05	23.94	24.5
3	QPSK	8	4	24.11	24.06	23.96	
3	QPSK	8	7	24.06	23.95	23.94	
3	QPSK	15	0	24.15	23.95	23.87	



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3	16QAM	1	0	24.39	24.27	24.27	24.5
3	16QAM	1	8	24.27	24.17	24.17	
3	16QAM	1	14	24.29	24.25	24.17	
3	16QAM	8	0	23.09	22.99	22.99	23.5
3	16QAM	8	4	23.16	23.02	22.94	
3	16QAM	8	7	23.10	23.10	22.97	
3	16QAM	15	0	23.03	22.98	22.96	23.5
3	64QAM	1	0	23.17	23.19	23.11	
3	64QAM	1	8	23.16	22.94	22.97	
3	64QAM	1	14	23.18	23.19	23.05	22.5
3	64QAM	8	0	22.14	22.06	21.94	
3	64QAM	8	4	22.14	22.03	21.95	
3	64QAM	8	7	22.10	22.02	21.97	20.5
3	64QAM	15	0	22.04	22.02	21.89	
3	256QAM	1	0	19.95	20.00	19.77	
3	256QAM	1	8	19.85	19.76	19.60	20.5
3	256QAM	1	14	19.49	19.62	19.40	
3	256QAM	8	0	19.59	19.79	19.43	
3	256QAM	8	4	19.60	19.65	19.23	20.5
3	256QAM	8	7	19.39	19.58	19.15	
3	256QAM	15	0	19.45	19.70	19.32	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.81	24.90	24.86	25.5
1.4	QPSK	1	3	24.80	24.93	24.90	
1.4	QPSK	1	5	24.89	24.90	24.86	
1.4	QPSK	3	0	23.90	23.96	23.87	
1.4	QPSK	3	1	23.89	23.94	23.85	
1.4	QPSK	3	3	23.86	23.90	23.86	24.5
1.4	QPSK	6	0	23.82	24.03	23.86	
1.4	16QAM	1	0	24.18	24.23	24.16	24.5
1.4	16QAM	1	3	23.99	24.17	23.93	
1.4	16QAM	1	5	24.04	24.23	24.15	
1.4	16QAM	3	0	22.86	22.98	22.88	
1.4	16QAM	3	1	22.91	22.94	22.96	
1.4	16QAM	3	3	23.02	22.97	22.95	23.5
1.4	16QAM	6	0	22.94	23.00	22.97	
1.4	64QAM	1	0	23.15	23.07	22.94	23.5
1.4	64QAM	1	3	22.99	23.10	23.05	
1.4	64QAM	1	5	23.14	23.13	23.12	
1.4	64QAM	3	0	21.88	22.01	21.94	
1.4	64QAM	3	1	21.94	22.05	22.00	
1.4	64QAM	3	3	21.93	21.94	22.03	22.5
1.4	64QAM	6	0	21.99	22.00	21.93	
1.4	256QAM	1	0	20.05	20.01	19.73	20.5
1.4	256QAM	1	3	19.68	19.74	19.58	
1.4	256QAM	1	5	19.63	19.69	19.27	
1.4	256QAM	3	0	19.65	19.83	19.45	
1.4	256QAM	3	1	19.51	19.62	19.30	
1.4	256QAM	3	3	19.38	19.48	19.11	20.5
1.4	256QAM	6	0	19.46	19.56	19.29	



FDD LTE Band 13_TX 0 (Index2/3)

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				23230			25.5
Frequency (MHz)				782			
10	QPSK	1	0		24.73		25.5
10	QPSK	1	25		24.57		
10	QPSK	1	49		24.57		
10	QPSK	25	0		23.80		24.5
10	QPSK	25	12		23.77		
10	QPSK	25	25		23.72		
10	QPSK	50	0		23.80		24.5
10	16QAM	1	0		23.99		
10	16QAM	1	25		24.00		
10	16QAM	1	49		23.95		23.5
10	16QAM	25	0		22.81		
10	16QAM	25	12		22.77		
10	16QAM	25	25		22.76		23.5
10	16QAM	50	0		22.76		
10	64QAM	1	0		22.89		
10	64QAM	1	25		22.87		23.5
10	64QAM	1	49		22.93		
10	64QAM	25	0		21.78		
10	64QAM	25	12		21.81		22.5
10	64QAM	25	25		21.77		
10	64QAM	50	0		21.81		
10	256QAM	1	0		20.03		20.5
10	256QAM	1	25		19.82		
10	256QAM	1	49		19.77		
10	256QAM	25	0		19.89		20.5
10	256QAM	25	12		19.69		
10	256QAM	25	25		19.60		
10	256QAM	50	0		19.61		20.5
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	24.70	24.72	24.69	25.5
5	QPSK	1	12	24.66	24.69	24.67	
5	QPSK	1	24	24.72	24.68	24.64	
5	QPSK	12	0	23.70	23.70	23.67	24.5
5	QPSK	12	7	23.72	23.67	23.67	
5	QPSK	12	13	23.71	23.62	23.64	
5	QPSK	25	0	23.76	23.65	23.66	24.5
5	16QAM	1	0	23.84	23.90	23.91	
5	16QAM	1	12	23.80	23.88	23.84	
5	16QAM	1	24	23.94	23.93	23.92	24.5
5	16QAM	12	0	22.71	22.70	22.71	
5	16QAM	12	7	22.75	22.78	22.73	
5	16QAM	12	13	22.73	22.79	22.73	23.5
5	16QAM	25	0	22.74	22.71	22.68	
5	64QAM	1	0	22.82	22.83	22.89	
5	64QAM	1	12	22.74	22.79	22.77	23.5
5	64QAM	1	24	22.76	22.79	22.75	
5	64QAM	12	0	21.65	21.74	21.74	
5	64QAM	12	7	21.69	21.79	21.72	22.5
5	64QAM	12	13	21.76	21.80	21.74	



5	64QAM	25	0	21.69	21.69	21.68	
5	256QAM	1	0	19.97	20.16	20.07	20.5
5	256QAM	1	12	19.94	19.90	19.98	
5	256QAM	1	24	19.82	19.97	19.89	
5	256QAM	12	0	19.92	19.94	19.93	20.5
5	256QAM	12	7	19.91	19.90	19.88	
5	256QAM	12	13	19.85	19.96	19.85	
5	256QAM	25	0	19.88	19.88	19.87	

FDD LTE Band 13_TX 1 (Index2)

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				23230			
Frequency (MHz)				782			
10	QPSK	1	0		22.86		24.2
10	QPSK	1	25		22.82		
10	QPSK	1	49		22.73		
10	QPSK	25	0		22.86		24.2
10	QPSK	25	12		22.72		
10	QPSK	25	25		22.69		
10	QPSK	50	0		22.84		24.2
10	16QAM	1	0		22.83		
10	16QAM	1	25		22.85		
10	16QAM	1	49		22.82		23.5
10	16QAM	25	0		22.68		
10	16QAM	25	12		22.80		
10	16QAM	25	25		22.78		23.5
10	16QAM	50	0		22.80		
10	64QAM	1	0		22.78		
10	64QAM	1	25		22.79		
10	64QAM	1	49		22.85		
10	64QAM	25	0		21.80		22.5
10	64QAM	25	12		21.75		
10	64QAM	25	25		21.67		
10	64QAM	50	0		21.89		20.5
10	256QAM	1	0		19.97		
10	256QAM	1	25		19.77		
10	256QAM	1	49		19.71		20.5
10	256QAM	25	0		19.72		
10	256QAM	25	12		19.61		
10	256QAM	25	25		19.58		20.5
10	256QAM	50	0		19.57		
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	22.67	22.70	22.71	24.2
5	QPSK	1	12	22.67	22.80	22.79	
5	QPSK	1	24	22.57	22.73	22.53	
5	QPSK	12	0	22.61	22.55	22.54	24.2
5	QPSK	12	7	22.60	22.63	22.66	
5	QPSK	12	13	22.57	22.61	22.65	
5	QPSK	25	0	22.52	22.72	22.55	24.2
5	16QAM	1	0	22.84	22.83	22.84	
5	16QAM	1	12	22.65	22.75	22.82	
5	16QAM	1	24	22.74	22.84	22.72	24.2
5	16QAM	12	0	22.48	22.59	22.56	



5	16QAM	12	7	22.69	22.72	22.60	
5	16QAM	12	13	22.75	22.58	22.78	
5	16QAM	25	0	22.68	22.80	22.72	
5	64QAM	1	0	22.77	22.79	22.81	23.5
5	64QAM	1	12	22.77	22.82	22.77	
5	64QAM	1	24	22.77	22.77	22.76	
5	64QAM	12	0	21.71	21.73	21.65	22.5
5	64QAM	12	7	21.64	21.67	21.69	
5	64QAM	12	13	21.58	21.62	21.52	
5	64QAM	25	0	21.86	21.81	21.82	20.5
5	256QAM	1	0	19.78	19.90	19.91	
5	256QAM	1	12	19.77	19.65	19.71	
5	256QAM	1	24	19.66	19.53	19.65	20.5
5	256QAM	12	0	19.67	19.64	19.53	
5	256QAM	12	7	19.56	19.41	19.61	
5	256QAM	12	13	19.58	19.43	19.50	20.5
5	256QAM	25	0	19.53	19.49	19.41	

FDD LTE Band 13_TX 1 (Index3)

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				23230			23
Frequency (MHz)				782			
10	QPSK	1	0		22.86		
10	QPSK	1	25		22.82		23
10	QPSK	1	49		22.73		
10	QPSK	25	0		22.86		
10	QPSK	25	12		22.72		23
10	QPSK	25	25		22.69		
10	QPSK	50	0		22.84		
10	16QAM	1	0		22.83		23
10	16QAM	1	25		22.85		
10	16QAM	1	49		22.82		
10	16QAM	25	0		22.68		23
10	16QAM	25	12		22.80		
10	16QAM	25	25		22.78		
10	16QAM	50	0		22.80		23
10	64QAM	1	0		22.78		
10	64QAM	1	25		22.79		
10	64QAM	1	49		22.85		22.5
10	64QAM	25	0		21.80		
10	64QAM	25	12		21.75		
10	64QAM	25	25		21.67		20.5
10	64QAM	50	0		21.89		
10	256QAM	1	0		19.97		
10	256QAM	1	25		19.77		20.5
10	256QAM	1	49		19.71		
10	256QAM	25	0		19.72		
10	256QAM	25	12		19.61		20.5
10	256QAM	25	25		19.58		
10	256QAM	50	0		19.57		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	22.67	22.70	22.71	23
5	QPSK	1	12	22.67	22.80	22.79	



5	QPSK	1	24	22.57	22.73	22.53	
5	QPSK	12	0	22.61	22.55	22.54	23
5	QPSK	12	7	22.60	22.63	22.66	
5	QPSK	12	13	22.57	22.61	22.65	
5	QPSK	25	0	22.52	22.72	22.55	
5	16QAM	1	0	22.84	22.83	22.84	23
5	16QAM	1	12	22.65	22.75	22.82	
5	16QAM	1	24	22.74	22.84	22.72	
5	16QAM	12	0	22.48	22.59	22.56	23
5	16QAM	12	7	22.69	22.72	22.60	
5	16QAM	12	13	22.75	22.58	22.78	
5	16QAM	25	0	22.68	22.80	22.72	
5	64QAM	1	0	22.77	22.79	22.81	23
5	64QAM	1	12	22.77	22.82	22.77	
5	64QAM	1	24	22.77	22.77	22.76	
5	64QAM	12	0	21.71	21.73	21.65	22.5
5	64QAM	12	7	21.64	21.67	21.69	
5	64QAM	12	13	21.58	21.62	21.52	
5	64QAM	25	0	21.86	21.81	21.82	
5	256QAM	1	0	19.78	19.90	19.91	20.5
5	256QAM	1	12	19.77	19.65	19.71	
5	256QAM	1	24	19.66	19.53	19.65	
5	256QAM	12	0	19.67	19.64	19.53	20.5
5	256QAM	12	7	19.56	19.41	19.61	
5	256QAM	12	13	19.58	19.43	19.50	
5	256QAM	25	0	19.53	19.49	19.41	

FDD LTE Band 14_TX 0 (Index2/3)

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				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.77		25.5
10	QPSK	1	25		24.68		
10	QPSK	1	49		24.64		
10	QPSK	25	0		23.84		24.5
10	QPSK	25	12		23.84		
10	QPSK	25	25		23.78		
10	QPSK	50	0		23.85		24.5
10	16QAM	1	0		24.23		
10	16QAM	1	25		24.13		
10	16QAM	1	49		24.00		23.5
10	16QAM	25	0		22.87		
10	16QAM	25	12		22.84		
10	16QAM	25	25		22.82		23.5
10	16QAM	50	0		22.84		
10	64QAM	1	0		23.07		
10	64QAM	1	25		22.98		23.5
10	64QAM	1	49		22.91		
10	64QAM	25	0		21.87		
10	64QAM	25	12		21.81		22.5
10	64QAM	25	25		21.79		
10	64QAM	50	0		21.87		
10	256QAM	1	0		19.83		20.5
10	256QAM	1	25		19.62		



10	256QAM	1	49		19.71		
10	256QAM	25	0		19.76		20.5
10	256QAM	25	12		19.65		
10	256QAM	25	25		19.59		
10	256QAM	50	0		19.68		
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.67	24.72	24.72	25.5
5	QPSK	1	12	24.70	24.75	24.74	
5	QPSK	1	24	24.71	24.74	24.76	
5	QPSK	12	0	23.73	23.75	23.71	24.5
5	QPSK	12	7	23.78	23.73	23.70	
5	QPSK	12	13	23.73	23.70	23.68	
5	QPSK	25	0	23.69	23.71	23.69	
5	16QAM	1	0	23.99	24.04	24.00	24.5
5	16QAM	1	12	24.01	23.96	23.92	
5	16QAM	1	24	24.02	23.95	23.96	
5	16QAM	12	0	22.72	22.72	22.72	23.5
5	16QAM	12	7	22.77	22.72	22.71	
5	16QAM	12	13	22.75	22.68	22.68	
5	16QAM	25	0	22.75	22.70	22.68	
5	64QAM	1	0	22.78	22.88	22.90	23.5
5	64QAM	1	12	22.69	22.68	22.73	
5	64QAM	1	24	22.80	22.72	22.71	
5	64QAM	12	0	21.79	21.78	21.75	22.5
5	64QAM	12	7	21.80	21.68	21.70	
5	64QAM	12	13	21.78	21.66	21.66	
5	64QAM	25	0	21.69	21.64	21.68	
5	256QAM	1	0	19.87	19.93	20.06	20.5
5	256QAM	1	12	19.93	19.85	19.91	
5	256QAM	1	24	19.95	19.86	19.84	
5	256QAM	12	0	19.98	19.97	19.98	20.5
5	256QAM	12	7	19.97	19.91	19.89	
5	256QAM	12	13	19.80	19.93	19.82	
5	256QAM	25	0	19.88	19.91	19.92	

FDD LTE Band 14_TX 1 (Index2)

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				23330			Tune-up limit (dBm)
Frequency (MHz)				793			
10	QPSK	1	0		22.21		24
10	QPSK	1	25		22.09		
10	QPSK	1	49		22.10		
10	QPSK	25	0		22.07		24
10	QPSK	25	12		22.04		
10	QPSK	25	25		22.02		
10	QPSK	50	0		22.09		24
10	16QAM	1	0		22.16		
10	16QAM	1	25		22.20		
10	16QAM	1	49		22.18		23.5
10	16QAM	25	0		21.97		
10	16QAM	25	12		21.95		
10	16QAM	25	25		21.92		
10	16QAM	50	0		21.94		



10	64QAM	1	0		22.15		23.5
10	64QAM	1	25		22.10		
10	64QAM	1	49		22.07		
10	64QAM	25	0		21.94		22.5
10	64QAM	25	12		21.93		
10	64QAM	25	25		21.93		
10	64QAM	50	0		21.98		20.5
10	256QAM	1	0		19.77		
10	256QAM	1	25		19.75		
10	256QAM	1	49		19.65		20.5
10	256QAM	25	0		19.63		
10	256QAM	25	12		19.69		
10	256QAM	25	25		19.71		20.5
10	256QAM	50	0		19.72		
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	22.20	22.15	22.08	24
5	QPSK	1	12	22.14	22.20	22.03	
5	QPSK	1	24	22.20	22.14	22.20	
5	QPSK	12	0	22.16	22.11	22.07	24
5	QPSK	12	7	22.16	22.10	22.07	
5	QPSK	12	13	22.14	22.09	22.05	
5	QPSK	25	0	22.12	22.09	22.04	24
5	16QAM	1	0	22.14	22.13	22.11	
5	16QAM	1	12	22.16	22.16	22.17	
5	16QAM	1	24	22.20	22.19	22.20	23.5
5	16QAM	12	0	22.14	22.11	22.10	
5	16QAM	12	7	22.18	22.14	22.10	
5	16QAM	12	13	22.16	22.16	22.10	23.5
5	16QAM	25	0	22.13	22.13	22.07	
5	64QAM	1	0	22.13	22.16	22.12	
5	64QAM	1	12	22.16	22.12	22.14	23.5
5	64QAM	1	24	22.11	22.13	22.12	
5	64QAM	12	0	22.14	22.19	22.08	
5	64QAM	12	7	22.18	22.12	22.09	22.5
5	64QAM	12	13	22.13	22.10	22.10	
5	64QAM	25	0	22.13	22.10	22.06	
5	256QAM	1	0	20.06	20.14	20.04	20.5
5	256QAM	1	12	20.17	20.12	19.92	
5	256QAM	1	24	19.98	20.03	19.84	
5	256QAM	12	0	20.18	20.11	20.09	20.5
5	256QAM	12	7	20.07	20.05	19.94	
5	256QAM	12	13	20.01	19.99	19.97	
5	256QAM	25	0	20.04	19.98	19.91	20.5

FDD LTE Band 14_TX 1 (Index3)

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				23330			Tune-up limit (dBm)
Frequency (MHz)				793			
10	QPSK	1	0		22.21		22.8
10	QPSK	1	25		22.09		
10	QPSK	1	49		22.10		
10	QPSK	25	0		22.07		22.8
10	QPSK	25	12		22.04		



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10	QPSK	25	25		22.02			
10	QPSK	50	0		22.09			
10	16QAM	1	0		22.16		22.8	
10	16QAM	1	25		22.20			
10	16QAM	1	49		22.18			
10	16QAM	25	0		21.97		22.8	
10	16QAM	25	12		21.95			
10	16QAM	25	25		21.92			
10	16QAM	50	0		21.94			
10	64QAM	1	0		22.15		22.8	
10	64QAM	1	25		22.10			
10	64QAM	1	49		22.07			
10	64QAM	25	0		21.94		22.5	
10	64QAM	25	12		21.93			
10	64QAM	25	25		21.93			
10	64QAM	50	0		21.98			
10	256QAM	1	0		19.77		20.5	
10	256QAM	1	25		19.75			
10	256QAM	1	49		19.65			
10	256QAM	25	0		19.63		20.5	
10	256QAM	25	12		19.69			
10	256QAM	25	25		19.71			
10	256QAM	50	0		19.72			
Channel				23305	23330	23355	Tune-up limit (dBm)	
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	0	22.20	22.15	22.08	22.8	
5	QPSK	1	12	22.14	22.20	22.03		
5	QPSK	1	24	22.20	22.14	22.20		
5	QPSK	12	0	22.16	22.11	22.07	22.8	
5	QPSK	12	7	22.16	22.10	22.07		
5	QPSK	12	13	22.14	22.09	22.05		
5	QPSK	25	0	22.12	22.09	22.04		
5	16QAM	1	0	22.14	22.13	22.11	22.8	
5	16QAM	1	12	22.16	22.16	22.17		
5	16QAM	1	24	22.20	22.19	22.20		
5	16QAM	12	0	22.14	22.11	22.10	22.8	
5	16QAM	12	7	22.18	22.14	22.10		
5	16QAM	12	13	22.16	22.16	22.10		
5	16QAM	25	0	22.13	22.13	22.07		
5	64QAM	1	0	22.13	22.16	22.12	22.8	
5	64QAM	1	12	22.16	22.12	22.14		
5	64QAM	1	24	22.11	22.13	22.12		
5	64QAM	12	0	22.14	22.19	22.08	22.5	
5	64QAM	12	7	22.18	22.12	22.09		
5	64QAM	12	13	22.13	22.10	22.10		
5	64QAM	25	0	22.13	22.10	22.06		
5	256QAM	1	0	20.06	20.14	20.04	20.5	
5	256QAM	1	12	20.17	20.12	19.92		
5	256QAM	1	24	19.98	20.03	19.84		
5	256QAM	12	0	20.18	20.11	20.09	20.5	
5	256QAM	12	7	20.07	20.05	19.94		
5	256QAM	12	13	20.01	19.99	19.97		
5	256QAM	25	0	20.04	19.98	19.91		



FDD LTE Band 17_TX 0 (Index2/3)

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				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.85	24.85	24.86	25.5
10	QPSK	1	25	24.79	24.80	24.82	
10	QPSK	1	49	24.84	24.83	24.85	
10	QPSK	25	0	23.92	23.86	24.02	24.5
10	QPSK	25	12	23.91	23.84	24.02	
10	QPSK	25	25	23.88	23.86	24.01	
10	QPSK	50	0	23.91	23.85	23.98	24.5
10	16QAM	1	0	24.09	24.07	24.22	
10	16QAM	1	25	24.07	23.97	24.17	
10	16QAM	1	49	24.16	24.03	24.17	23.5
10	16QAM	25	0	22.91	22.92	23.00	
10	16QAM	25	12	22.92	22.91	22.98	
10	16QAM	25	25	22.93	22.91	22.99	23.5
10	16QAM	50	0	22.89	22.91	22.96	
10	64QAM	1	0	23.05	23.07	23.20	
10	64QAM	1	25	23.13	23.01	23.13	
10	64QAM	1	49	23.10	23.10	23.12	
10	64QAM	25	0	21.91	21.89	21.97	22.5
10	64QAM	25	12	21.95	21.89	21.95	
10	64QAM	25	25	21.93	21.90	21.97	
10	64QAM	50	0	21.96	21.93	22.00	20.5
10	256QAM	1	0	20.00	20.25	20.16	
10	256QAM	1	25	19.43	19.78	19.64	
10	256QAM	1	49	19.50	19.85	19.75	20.5
10	256QAM	25	0	19.66	19.92	19.80	
10	256QAM	25	12	19.33	19.61	19.50	
10	256QAM	25	25	19.31	19.57	19.42	20.5
10	256QAM	50	0	19.39	19.70	19.56	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.75	24.77	24.81	25.5
5	QPSK	1	12	24.70	24.70	24.72	
5	QPSK	1	24	24.80	24.83	24.76	
5	QPSK	12	0	23.80	23.82	23.85	24.5
5	QPSK	12	7	23.79	23.82	23.87	
5	QPSK	12	13	23.80	23.83	23.83	
5	QPSK	25	0	23.81	23.82	23.81	24.5
5	16QAM	1	0	24.02	24.15	24.15	
5	16QAM	1	12	24.05	24.02	24.04	
5	16QAM	1	24	24.10	24.11	24.06	23.5
5	16QAM	12	0	22.81	22.88	22.91	
5	16QAM	12	7	22.81	22.88	22.91	
5	16QAM	12	13	22.82	22.87	22.89	23.5
5	16QAM	25	0	22.80	22.79	22.82	
5	64QAM	1	0	22.86	22.93	22.94	
5	64QAM	1	12	22.81	22.93	22.91	
5	64QAM	1	24	22.90	22.96	22.87	
5	64QAM	12	0	21.79	21.82	21.89	22.5
5	64QAM	12	7	21.81	21.84	21.92	
5	64QAM	12	13	21.83	21.85	21.89	



5	64QAM	25	0	21.79	21.79	21.85	
5	256QAM	1	0	20.13	20.11	20.09	20.5
5	256QAM	1	12	20.03	19.93	20.00	
5	256QAM	1	24	20.04	19.90	20.06	
5	256QAM	12	0	20.07	19.98	19.91	20.5
5	256QAM	12	7	19.94	19.92	19.88	
5	256QAM	12	13	19.89	19.88	19.87	
5	256QAM	25	0	19.93	19.93	19.81	

FDD LTE Band 17_TX 1 (Index2/3)

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				50	60	70	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.95	24.86	24.89	25.5
10	QPSK	1	25	24.84	24.78	24.81	
10	QPSK	1	49	24.85	24.84	24.83	
10	QPSK	25	0	24.00	24.01	23.99	24.5
10	QPSK	25	12	24.01	24.00	23.99	
10	QPSK	25	25	23.99	24.00	23.99	
10	QPSK	50	0	24.03	24.00	24.00	24.5
10	16QAM	1	0	24.23	24.19	24.24	
10	16QAM	1	25	24.15	24.20	24.12	
10	16QAM	1	49	24.21	24.29	24.23	23.5
10	16QAM	25	0	23.00	23.02	22.99	
10	16QAM	25	12	23.01	23.00	22.97	
10	16QAM	25	25	23.02	23.01	22.98	23.5
10	16QAM	50	0	22.98	22.98	22.96	
10	64QAM	1	0	23.20	23.14	23.19	
10	64QAM	1	25	23.11	23.04	23.13	
10	64QAM	1	49	23.12	23.14	23.12	
10	64QAM	25	0	22.01	21.99	21.98	22.5
10	64QAM	25	12	22.02	21.99	21.97	
10	64QAM	25	25	22.02	22.01	22.00	
10	64QAM	50	0	22.04	22.04	22.03	20.5
10	256QAM	1	0	20.02	19.92	19.95	
10	256QAM	1	25	19.98	19.92	19.90	
10	256QAM	1	49	19.89	19.87	19.84	20.5
10	256QAM	25	0	20.06	19.96	19.94	
10	256QAM	25	12	19.79	19.77	19.80	
10	256QAM	25	25	19.72	19.65	19.63	20.5
10	256QAM	50	0	19.90	19.83	19.86	
Channel				25	60	95	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.92	24.92	24.86	25.5
5	QPSK	1	12	24.91	24.85	24.82	
5	QPSK	1	24	24.92	24.94	24.92	
5	QPSK	12	0	24.21	24.15	24.10	24.5
5	QPSK	12	7	24.20	24.15	24.10	
5	QPSK	12	13	24.20	24.12	24.10	
5	QPSK	25	0	24.19	24.11	24.09	24.5
5	16QAM	1	0	24.49	24.43	24.38	
5	16QAM	1	12	24.40	24.32	24.34	
5	16QAM	1	24	24.42	24.38	24.35	24.5
5	16QAM	12	0	23.23	23.16	23.13	



5	16QAM	12	7	23.26	23.22	23.13	
5	16QAM	12	13	23.28	23.19	23.13	
5	16QAM	25	0	23.23	23.18	23.09	
5	64QAM	1	0	23.35	23.31	23.28	23.5
5	64QAM	1	12	23.28	23.14	23.20	
5	64QAM	1	24	23.36	23.25	23.27	
5	64QAM	12	0	22.23	22.23	22.17	22.5
5	64QAM	12	7	22.24	22.18	22.16	
5	64QAM	12	13	22.25	22.16	22.15	
5	64QAM	25	0	22.22	22.16	22.10	20.5
5	256QAM	1	0	19.98	19.87	19.86	
5	256QAM	1	12	19.89	19.91	19.85	
5	256QAM	1	24	19.88	19.78	19.81	20.5
5	256QAM	12	0	19.93	19.80	19.86	
5	256QAM	12	7	19.68	19.58	19.74	
5	256QAM	12	13	19.57	19.56	19.43	20.5
5	256QAM	25	0	19.72	19.77	19.84	

FDD LTE Band 25_TX 0 (Index2/3)

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	24.37	24.43	24.28	
20	QPSK	1	49	24.27	24.34	24.12	
20	QPSK	1	99	24.16	24.24	23.94	
20	QPSK	50	0	23.39	23.41	23.21	24.5
20	QPSK	50	24	23.37	23.40	23.20	
20	QPSK	50	50	23.29	23.35	23.14	
20	QPSK	100	0	23.34	23.40	23.18	24.5
20	16QAM	1	0	23.77	23.83	23.59	
20	16QAM	1	49	23.49	23.54	23.50	
20	16QAM	1	99	23.48	23.57	23.38	23.5
20	16QAM	50	0	22.41	22.47	22.23	
20	16QAM	50	24	22.38	22.44	22.25	
20	16QAM	50	50	22.30	22.39	22.20	23.5
20	16QAM	100	0	22.32	22.43	22.21	
20	64QAM	1	0	22.72	22.70	22.56	
20	64QAM	1	49	22.56	22.55	22.35	23.5
20	64QAM	1	99	22.44	22.49	22.34	
20	64QAM	50	0	21.43	21.50	21.35	
20	64QAM	50	24	21.39	21.45	21.41	22.5
20	64QAM	50	50	21.29	21.39	21.28	
20	64QAM	100	0	21.34	21.42	21.38	
20	256QAM	1	0	19.32	19.45	19.40	20.5
20	256QAM	1	49	19.06	19.21	19.15	
20	256QAM	1	99	19.09	19.23	19.15	
20	256QAM	50	0	18.90	19.13	19.06	20.5
20	256QAM	50	24	18.89	19.07	19.00	
20	256QAM	50	50	18.87	19.03	18.89	
20	256QAM	100	0	18.98	19.12	19.05	20.5
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	24.39	24.42	24.25	25.5
15	QPSK	1	37	24.16	24.25	24.14	



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15	QPSK	1	74	24.14	24.28	24.05	
15	QPSK	36	0	23.34	23.45	23.20	24.5
15	QPSK	36	20	23.29	23.39	23.18	
15	QPSK	36	39	23.27	23.36	23.16	
15	QPSK	75	0	23.31	23.38	23.16	
15	16QAM	1	0	23.72	23.83	23.59	24.5
15	16QAM	1	37	23.50	23.67	23.48	
15	16QAM	1	74	23.59	23.66	23.42	
15	16QAM	36	0	22.39	22.49	22.30	23.5
15	16QAM	36	20	22.32	22.44	22.28	
15	16QAM	36	39	22.29	22.40	22.26	
15	16QAM	75	0	22.31	22.43	22.23	
15	64QAM	1	0	22.67	22.55	22.64	23.5
15	64QAM	1	37	22.45	22.41	22.42	
15	64QAM	1	74	22.46	22.56	22.37	
15	64QAM	36	0	21.36	21.51	21.33	22.5
15	64QAM	36	20	21.32	21.47	21.34	
15	64QAM	36	39	21.29	21.45	21.29	
15	64QAM	75	0	21.31	21.45	21.34	
15	256QAM	1	0	19.62	19.71	19.58	20.5
15	256QAM	1	37	19.61	19.48	19.58	
15	256QAM	1	74	19.27	19.53	19.24	
15	256QAM	36	0	19.37	19.40	19.34	20.5
15	256QAM	36	20	19.38	19.36	19.30	
15	256QAM	36	39	19.30	19.38	19.27	
15	256QAM	75	0	19.31	19.42	19.30	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	24.40	24.41	24.36	25.5
10	QPSK	1	25	24.31	24.35	24.17	
10	QPSK	1	49	24.35	24.40	24.14	
10	QPSK	25	0	23.41	23.45	23.31	24.5
10	QPSK	25	12	23.36	23.43	23.29	
10	QPSK	25	25	23.36	23.41	23.26	
10	QPSK	50	0	23.35	23.42	23.28	
10	16QAM	1	0	23.74	23.94	23.65	24.5
10	16QAM	1	25	23.58	23.66	23.47	
10	16QAM	1	49	23.55	23.64	23.42	
10	16QAM	25	0	22.40	22.51	22.39	23.5
10	16QAM	25	12	22.43	22.50	22.39	
10	16QAM	25	25	22.42	22.47	22.36	
10	16QAM	50	0	22.38	22.45	22.37	
10	64QAM	1	0	22.65	22.64	22.61	23.5
10	64QAM	1	25	22.57	22.55	22.50	
10	64QAM	1	49	22.52	22.63	22.43	
10	64QAM	25	0	21.40	21.48	21.38	22.5
10	64QAM	25	12	21.35	21.44	21.40	
10	64QAM	25	25	21.37	21.43	21.36	
10	64QAM	50	0	21.38	21.49	21.41	
10	256QAM	1	0	19.67	19.64	19.72	20.5
10	256QAM	1	25	19.43	19.43	19.44	
10	256QAM	1	49	19.47	19.42	19.12	
10	256QAM	25	0	19.30	19.42	19.34	20.5
10	256QAM	25	12	19.35	19.36	19.32	
10	256QAM	25	25	19.30	19.38	19.17	
10	256QAM	50	0	19.29	19.40	19.50	



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Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	24.38	24.40	24.40	25.5
5	QPSK	1	12	24.30	24.41	24.28	
5	QPSK	1	24	24.30	24.41	24.23	
5	QPSK	12	0	23.36	23.47	23.33	24.5
5	QPSK	12	7	23.36	23.44	23.35	
5	QPSK	12	13	23.35	23.42	23.31	
5	QPSK	25	0	23.35	23.46	23.29	
5	16QAM	1	0	23.63	23.76	23.59	24.5
5	16QAM	1	12	23.51	23.64	23.57	
5	16QAM	1	24	23.62	23.71	23.54	
5	16QAM	12	0	22.41	22.51	22.41	23.5
5	16QAM	12	7	22.41	22.53	22.42	
5	16QAM	12	13	22.41	22.50	22.41	
5	16QAM	25	0	22.40	22.50	22.36	
5	64QAM	1	0	22.56	22.61	22.61	
5	64QAM	1	12	22.49	22.51	22.38	23.5
5	64QAM	1	24	22.48	22.64	22.39	
5	64QAM	12	0	21.39	21.50	21.41	
5	64QAM	12	7	21.40	21.48	21.43	22.5
5	64QAM	12	13	21.34	21.47	21.40	
5	64QAM	25	0	21.36	21.46	21.38	
5	256QAM	1	0	19.55	19.67	19.56	
5	256QAM	1	12	19.40	19.54	19.32	20.5
5	256QAM	1	24	19.39	19.39	19.07	
5	256QAM	12	0	19.34	19.40	19.56	
5	256QAM	12	7	19.31	19.41	19.33	20.5
5	256QAM	12	13	19.24	19.33	19.26	
5	256QAM	25	0	19.31	19.30	19.45	
5	256QAM	25	0	19.31	19.30	19.45	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	24.38	24.41	24.36	25.5
3	QPSK	1	8	24.27	24.36	24.19	
3	QPSK	1	14	24.30	24.41	24.18	
3	QPSK	8	0	23.32	23.42	23.25	24.5
3	QPSK	8	4	23.30	23.45	23.28	
3	QPSK	8	7	23.33	23.44	23.30	
3	QPSK	15	0	23.36	23.48	23.29	
3	16QAM	1	0	23.61	23.79	23.58	24.5
3	16QAM	1	8	23.55	23.67	23.51	
3	16QAM	1	14	23.64	23.72	23.54	
3	16QAM	8	0	22.41	22.48	22.38	
3	16QAM	8	4	22.41	22.47	22.37	23.5
3	16QAM	8	7	22.42	22.50	22.41	
3	16QAM	15	0	22.39	22.46	22.36	
3	64QAM	1	0	22.54	22.58	22.55	
3	64QAM	1	8	22.46	22.49	22.46	23.5
3	64QAM	1	14	22.51	22.51	22.47	
3	64QAM	8	0	21.37	21.46	21.40	
3	64QAM	8	4	21.34	21.40	21.35	22.5
3	64QAM	8	7	21.37	21.52	21.35	
3	64QAM	15	0	21.38	21.50	21.42	
3	256QAM	1	0	19.45	19.59	19.63	
3	256QAM	1	8	19.31	19.57	19.46	20.5
3	256QAM	1	14	19.32	19.47	19.23	



3	256QAM	8	0	19.28	19.36	19.27	20.5
3	256QAM	8	4	19.31	19.41	19.20	
3	256QAM	8	7	19.31	19.43	19.26	
3	256QAM	15	0	19.32	19.34	19.31	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	24.34	24.42	24.21	25.5
1.4	QPSK	1	3	24.33	24.38	24.08	
1.4	QPSK	1	5	24.35	24.40	24.11	
1.4	QPSK	3	0	24.25	24.32	23.99	
1.4	QPSK	3	1	24.30	24.40	24.06	
1.4	QPSK	3	3	24.35	24.39	24.04	
1.4	QPSK	6	0	23.40	23.47	23.12	24.5
1.4	16QAM	1	0	23.52	23.69	23.39	24.5
1.4	16QAM	1	3	23.53	23.52	23.34	
1.4	16QAM	1	5	23.60	23.74	23.37	
1.4	16QAM	3	0	23.33	23.44	23.16	
1.4	16QAM	3	1	23.45	23.45	23.18	
1.4	16QAM	3	3	23.45	23.54	23.21	
1.4	16QAM	6	0	22.43	22.40	22.32	23.5
1.4	64QAM	1	0	22.47	22.53	22.40	23.5
1.4	64QAM	1	3	22.48	22.56	22.44	
1.4	64QAM	1	5	22.45	22.52	22.45	
1.4	64QAM	3	0	22.43	22.48	22.39	
1.4	64QAM	3	1	22.55	22.62	22.47	
1.4	64QAM	3	3	22.49	22.51	22.42	
1.4	64QAM	6	0	21.34	21.40	21.29	22.5
1.4	256QAM	1	0	19.63	19.58	19.50	20.5
1.4	256QAM	1	3	19.45	19.54	19.36	
1.4	256QAM	1	5	19.38	19.50	19.27	
1.4	256QAM	3	0	19.25	19.39	19.24	
1.4	256QAM	3	1	19.32	19.41	19.30	
1.4	256QAM	3	3	19.33	19.38	19.25	
1.4	256QAM	6	0	19.31	19.31	19.27	20.5

FDD LTE Band 25_TX 1 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.95	23.82	23.59	25.3
20	QPSK	1	49	23.84	23.64	23.40	
20	QPSK	1	99	23.70	23.53	23.33	
20	QPSK	50	0	22.91	22.73	22.50	24.3
20	QPSK	50	24	22.86	22.69	22.49	
20	QPSK	50	50	22.78	22.62	22.44	
20	QPSK	100	0	22.83	22.68	22.45	24.3
20	16QAM	1	0	23.16	23.18	22.88	
20	16QAM	1	49	22.98	22.85	22.72	
20	16QAM	1	99	22.93	22.87	22.66	23.3
20	16QAM	50	0	21.90	21.74	21.51	
20	16QAM	50	24	21.88	21.72	21.49	
20	16QAM	50	50	21.79	21.67	21.46	
20	16QAM	100	0	21.83	21.71	21.52	
20	64QAM	1	0	22.19	22.08	21.88	



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20	64QAM	1	49	22.05	21.82	21.78	
20	64QAM	1	99	21.96	21.78	21.64	
20	64QAM	50	0	20.97	20.80	20.60	
20	64QAM	50	24	20.93	20.79	20.57	22.3
20	64QAM	50	50	20.85	20.72	20.53	
20	64QAM	100	0	20.88	20.75	20.57	
20	256QAM	1	0	18.88	18.71	18.48	19.3
20	256QAM	1	49	18.44	18.33	18.20	
20	256QAM	1	99	18.52	18.44	18.28	
20	256QAM	50	0	18.47	18.37	18.26	19.3
20	256QAM	50	24	18.48	18.31	18.22	
20	256QAM	50	50	18.43	18.26	18.23	
20	256QAM	100	0	18.56	18.45	18.21	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.81	23.73	23.56	25.3
15	QPSK	1	37	23.73	23.60	23.47	
15	QPSK	1	74	23.70	23.56	23.36	
15	QPSK	36	0	22.86	22.71	22.55	24.3
15	QPSK	36	20	22.84	22.67	22.53	
15	QPSK	36	39	22.77	22.64	22.46	
15	QPSK	75	0	22.80	22.68	22.50	24.3
15	16QAM	1	0	23.26	23.06	22.91	
15	16QAM	1	37	22.95	22.78	22.72	
15	16QAM	1	74	22.88	22.75	22.62	24.3
15	16QAM	36	0	21.88	21.75	21.60	
15	16QAM	36	20	21.83	21.68	21.59	
15	16QAM	36	39	21.79	21.67	21.55	23.3
15	16QAM	75	0	21.83	21.70	21.57	
15	64QAM	1	0	22.09	21.99	21.89	
15	64QAM	1	37	22.08	21.80	21.81	23.3
15	64QAM	1	74	21.99	21.75	21.70	
15	64QAM	36	0	20.88	20.75	20.64	
15	64QAM	36	20	20.86	20.67	20.59	22.3
15	64QAM	36	39	20.81	20.66	20.56	
15	64QAM	75	0	20.83	20.70	20.55	
15	256QAM	1	0	18.88	18.63	18.48	19.3
15	256QAM	1	37	18.40	18.29	18.19	
15	256QAM	1	74	18.52	18.41	18.19	
15	256QAM	36	0	18.44	18.33	18.25	19.3
15	256QAM	36	20	18.38	18.27	18.13	
15	256QAM	36	39	18.42	18.21	18.15	
15	256QAM	75	0	18.46	18.41	18.19	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.72	23.62	23.52	25.3
10	QPSK	1	25	23.50	23.35	23.30	
10	QPSK	1	49	23.57	23.45	23.30	
10	QPSK	25	0	22.83	22.68	22.53	24.3
10	QPSK	25	12	22.82	22.66	22.50	
10	QPSK	25	25	22.80	22.62	22.48	
10	QPSK	50	0	22.82	22.66	22.49	24.3
10	16QAM	1	0	23.05	22.98	22.82	
10	16QAM	1	25	22.77	22.65	22.62	
10	16QAM	1	49	22.93	22.79	22.66	24.3
10	16QAM	25	0	21.88	21.76	21.60	



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10	16QAM	25	12	21.87	21.74	21.59	
10	16QAM	25	25	21.84	21.72	21.54	
10	16QAM	50	0	21.80	21.68	21.52	
10	64QAM	1	0	22.11	22.00	21.88	23.3
10	64QAM	1	25	22.04	21.94	21.78	
10	64QAM	1	49	22.05	21.93	21.70	
10	64QAM	25	0	20.88	20.76	20.57	22.3
10	64QAM	25	12	20.85	20.73	20.57	
10	64QAM	25	25	20.84	20.72	20.57	
10	64QAM	50	0	20.86	20.74	20.62	
10	256QAM	1	0	18.72	18.54	18.36	19.3
10	256QAM	1	25	18.38	18.33	18.17	
10	256QAM	1	49	18.32	18.27	18.26	
10	256QAM	25	0	18.47	18.32	18.22	19.3
10	256QAM	25	12	18.29	18.13	18.10	
10	256QAM	25	25	18.24	18.07	18.19	
10	256QAM	50	0	18.52	18.39	18.21	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.87	23.72	23.54	25.3
5	QPSK	1	12	23.78	23.65	23.45	
5	QPSK	1	24	23.82	23.68	23.44	
5	QPSK	12	0	22.83	22.75	22.52	24.3
5	QPSK	12	7	22.81	22.74	22.53	
5	QPSK	12	13	22.82	22.71	22.49	
5	QPSK	25	0	22.86	22.71	22.48	
5	16QAM	1	0	23.12	23.00	22.85	24.3
5	16QAM	1	12	23.01	22.81	22.65	
5	16QAM	1	24	23.06	22.88	22.71	
5	16QAM	12	0	21.93	21.77	21.57	23.3
5	16QAM	12	7	21.90	21.75	21.57	
5	16QAM	12	13	21.89	21.75	21.56	
5	16QAM	25	0	21.90	21.77	21.52	
5	64QAM	1	0	21.95	21.99	21.80	23.3
5	64QAM	1	12	21.93	21.79	21.71	
5	64QAM	1	24	22.01	21.80	21.65	
5	64QAM	12	0	20.94	20.81	20.61	22.3
5	64QAM	12	7	20.90	20.77	20.59	
5	64QAM	12	13	20.88	20.75	20.59	
5	64QAM	25	0	20.91	20.80	20.57	
5	256QAM	1	0	18.79	18.69	18.47	19.3
5	256QAM	1	12	18.24	18.19	18.15	
5	256QAM	1	24	18.37	18.36	18.22	
5	256QAM	12	0	18.30	18.34	18.26	19.3
5	256QAM	12	7	18.30	18.11	18.22	
5	256QAM	12	13	18.38	18.16	18.10	
5	256QAM	25	0	18.55	18.44	18.08	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.93	23.77	23.58	25.3
3	QPSK	1	8	23.77	23.62	23.40	
3	QPSK	1	14	23.84	23.69	23.42	
3	QPSK	8	0	22.81	22.71	22.47	24.3
3	QPSK	8	4	22.82	22.68	22.47	
3	QPSK	8	7	22.85	22.69	22.44	
3	QPSK	15	0	22.84	22.71	22.48	



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3	16QAM	1	0	23.17	23.07	22.88	24.3
3	16QAM	1	8	23.08	22.95	22.72	
3	16QAM	1	14	23.15	23.02	22.79	
3	16QAM	8	0	21.89	21.73	21.57	23.3
3	16QAM	8	4	21.89	21.76	21.58	
3	16QAM	8	7	21.94	21.77	21.59	
3	16QAM	15	0	21.89	21.74	21.58	23.3
3	64QAM	1	0	21.95	21.81	21.75	
3	64QAM	1	8	21.93	21.78	21.66	
3	64QAM	1	14	21.98	21.85	21.74	22.3
3	64QAM	8	0	20.90	20.75	20.54	
3	64QAM	8	4	20.89	20.73	20.55	
3	64QAM	8	7	20.92	20.81	20.62	22.3
3	64QAM	15	0	20.93	20.77	20.59	
3	256QAM	1	0	18.70	18.52	18.47	
3	256QAM	1	8	18.33	18.30	18.03	
3	256QAM	1	14	18.44	18.36	18.11	
3	256QAM	8	0	18.29	18.19	18.13	19.3
3	256QAM	8	4	18.42	18.19	18.13	
3	256QAM	8	7	18.42	18.21	18.19	
3	256QAM	15	0	18.36	18.27	18.16	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.88	23.74	23.42	25.3
1.4	QPSK	1	3	23.78	23.59	23.30	
1.4	QPSK	1	5	23.88	23.72	23.37	
1.4	QPSK	3	0	23.76	23.63	23.33	
1.4	QPSK	3	1	23.94	23.72	23.36	
1.4	QPSK	3	3	23.88	23.73	23.34	
1.4	QPSK	6	0	22.89	22.74	22.41	24.3
1.4	16QAM	1	0	23.06	22.98	22.75	24.3
1.4	16QAM	1	3	22.84	22.77	22.60	
1.4	16QAM	1	5	23.04	22.96	22.72	
1.4	16QAM	3	0	22.88	22.63	22.51	
1.4	16QAM	3	1	23.03	22.76	22.50	
1.4	16QAM	3	3	22.95	22.80	22.48	
1.4	16QAM	6	0	21.94	21.68	21.55	23.3
1.4	64QAM	1	0	22.83	22.73	22.55	23.3
1.4	64QAM	1	3	22.78	22.74	22.42	
1.4	64QAM	1	5	22.86	22.79	22.55	
1.4	64QAM	3	0	22.83	22.71	22.47	
1.4	64QAM	3	1	22.83	22.80	22.47	
1.4	64QAM	3	3	22.85	22.76	22.46	
1.4	64QAM	6	0	21.81	21.68	21.44	22.3
1.4	256QAM	1	0	18.75	18.60	18.43	19.3
1.4	256QAM	1	3	18.35	18.32	18.19	
1.4	256QAM	1	5	18.38	18.35	18.28	
1.4	256QAM	3	0	18.39	18.37	18.12	
1.4	256QAM	3	1	18.38	18.25	18.04	
1.4	256QAM	3	3	18.33	18.14	18.18	
1.4	256QAM	6	0	18.41	18.25	18.07	19.3



FDD LTE Band 26_TX 0 (Index2/3)

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				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.82	24.76	24.76	25.5
15	QPSK	1	37	24.45	24.37	24.47	
15	QPSK	1	74	24.46	24.48	24.38	
15	QPSK	36	0	23.63	23.62	23.61	24.5
15	QPSK	36	20	23.61	23.60	23.59	
15	QPSK	36	39	23.59	23.56	23.56	
15	QPSK	75	0	23.61	23.57	23.59	24.5
15	16QAM	1	0	23.91	23.86	23.95	
15	16QAM	1	37	23.89	23.91	23.90	
15	16QAM	1	74	23.86	23.95	23.82	23.5
15	16QAM	36	0	22.66	22.60	22.64	
15	16QAM	36	20	22.63	22.60	22.60	
15	16QAM	36	39	22.59	22.59	22.56	23.5
15	16QAM	75	0	22.60	22.57	22.58	
15	64QAM	1	0	22.77	22.87	22.85	
15	64QAM	1	37	22.81	22.81	22.80	
15	64QAM	1	74	22.69	22.75	22.54	
15	64QAM	36	0	21.65	21.59	21.03	22.5
15	64QAM	36	20	21.63	21.57	21.06	
15	64QAM	36	39	21.57	21.56	21.08	
15	64QAM	75	0	21.58	21.51	21.04	20.5
15	256QAM	1	0	19.66	19.65	19.57	
15	256QAM	1	37	19.68	19.69	19.57	
15	256QAM	1	74	19.58	19.63	19.49	19.5
15	256QAM	36	0	18.51	18.53	18.54	
15	256QAM	36	20	18.51	18.52	18.47	
15	256QAM	36	39	18.52	18.54	18.48	19.5
15	256QAM	75	0	18.58	18.58	18.54	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.63	24.62	24.56	25.5
10	QPSK	1	25	24.51	24.49	24.49	
10	QPSK	1	49	24.54	24.55	24.48	
10	QPSK	25	0	23.64	23.72	23.70	24.5
10	QPSK	25	12	23.60	23.68	23.68	
10	QPSK	25	25	23.64	23.66	23.65	
10	QPSK	50	0	23.65	23.69	23.69	24.5
10	16QAM	1	0	23.81	23.86	23.97	
10	16QAM	1	25	23.98	23.80	23.78	
10	16QAM	1	49	23.89	23.84	23.65	23.5
10	16QAM	25	0	22.74	22.72	22.75	
10	16QAM	25	12	22.72	22.73	22.70	
10	16QAM	25	25	22.69	22.73	22.69	23.5
10	16QAM	50	0	22.70	22.68	22.67	
10	64QAM	1	0	22.81	22.81	22.88	
10	64QAM	1	25	22.87	22.78	22.81	
10	64QAM	1	49	22.83	22.87	22.70	
10	64QAM	25	0	21.72	21.69	21.68	22.5
10	64QAM	25	12	21.71	21.67	21.64	
10	64QAM	25	25	21.66	21.66	21.62	



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10	64QAM	50	0	21.73	21.68	21.68	
10	256QAM	1	0	19.81	19.92	19.78	20.5
10	256QAM	1	25	19.43	19.69	19.74	
10	256QAM	1	49	19.70	19.77	19.69	
10	256QAM	25	0	18.68	19.02	18.80	19.5
10	256QAM	25	12	18.64	18.65	18.65	
10	256QAM	25	25	18.58	18.65	18.63	
10	256QAM	50	0	18.75	18.77	18.69	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.65	24.69	24.72	25.5
5	QPSK	1	12	24.62	24.65	24.64	
5	QPSK	1	24	24.64	24.71	24.69	
5	QPSK	12	0	23.65	23.72	23.72	24.5
5	QPSK	12	7	23.67	23.71	23.74	
5	QPSK	12	13	23.64	23.71	23.69	
5	QPSK	25	0	23.61	23.68	23.68	
5	16QAM	1	0	23.81	24.01	23.99	24.5
5	16QAM	1	12	23.85	23.99	23.86	
5	16QAM	1	24	23.95	24.00	23.86	
5	16QAM	12	0	22.68	22.75	22.74	23.5
5	16QAM	12	7	22.76	22.74	22.78	
5	16QAM	12	13	22.75	22.75	22.73	
5	16QAM	25	0	22.68	22.69	22.68	
5	64QAM	1	0	22.76	22.87	22.91	23.5
5	64QAM	1	12	22.72	22.77	22.74	
5	64QAM	1	24	22.85	22.81	22.71	
5	64QAM	12	0	21.70	21.72	21.77	22.5
5	64QAM	12	7	21.78	21.77	21.77	
5	64QAM	12	13	21.80	21.80	21.73	
5	64QAM	25	0	21.68	21.68	21.66	
5	256QAM	1	0	19.71	19.77	19.70	20.5
5	256QAM	1	12	19.55	19.65	19.60	
5	256QAM	1	24	19.67	19.61	19.63	
5	256QAM	12	0	18.76	18.72	18.76	19.5
5	256QAM	12	7	18.61	18.54	18.65	
5	256QAM	12	13	18.62	18.55	18.52	
5	256QAM	25	0	18.68	18.57	18.59	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.69	24.68	24.44	25.5
3	QPSK	1	8	24.64	24.59	24.49	
3	QPSK	1	14	24.71	24.69	24.59	
3	QPSK	8	0	23.62	23.65	23.63	24.5
3	QPSK	8	4	23.60	23.62	23.58	
3	QPSK	8	7	23.63	23.64	23.66	
3	QPSK	15	0	23.58	23.61	23.61	
3	16QAM	1	0	23.77	23.86	23.88	24.5
3	16QAM	1	8	23.71	23.73	23.64	
3	16QAM	1	14	23.89	23.82	23.88	
3	16QAM	8	0	22.63	22.65	22.67	23.5
3	16QAM	8	4	22.67	22.66	22.66	
3	16QAM	8	7	22.72	22.68	22.64	
3	16QAM	15	0	22.62	22.62	22.59	
3	64QAM	1	0	22.81	22.70	22.88	23.5
3	64QAM	1	8	22.80	22.71	22.74	



Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
3	64QAM	1	14	22.88	22.81	22.74	22.5
3	64QAM	8	0	21.65	21.66	21.59	
3	64QAM	8	4	21.68	21.61	21.57	
3	64QAM	8	7	21.67	21.67	21.59	
3	64QAM	15	0	21.62	21.61	21.59	
3	256QAM	1	0	19.62	19.58	19.72	20.5
3	256QAM	1	8	19.64	19.54	19.50	
3	256QAM	1	14	19.79	19.72	19.62	
3	256QAM	8	0	18.81	18.72	18.64	19.5
3	256QAM	8	4	18.73	18.68	18.59	
3	256QAM	8	7	18.76	18.73	18.55	
3	256QAM	15	0	18.75	18.67	18.55	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.63	23.59	23.51	25.5
1.4	QPSK	1	3	23.61	23.63	23.56	
1.4	QPSK	1	5	23.68	23.66	23.60	
1.4	QPSK	3	0	23.55	23.50	23.50	
1.4	QPSK	3	1	23.67	23.63	23.52	
1.4	QPSK	3	3	23.65	23.66	23.60	24.5
1.4	QPSK	6	0	22.63	22.61	22.60	
1.4	16QAM	1	0	22.78	22.70	22.54	24.5
1.4	16QAM	1	3	22.80	22.74	22.64	
1.4	16QAM	1	5	22.94	22.78	22.77	
1.4	16QAM	3	0	22.60	22.64	22.65	
1.4	16QAM	3	1	22.80	22.73	22.69	
1.4	16QAM	3	3	22.74	22.72	22.69	23.5
1.4	16QAM	6	0	21.67	21.64	21.61	
1.4	64QAM	1	0	21.72	21.75	21.67	23.5
1.4	64QAM	1	3	21.75	21.63	21.64	
1.4	64QAM	1	5	21.79	21.77	21.60	
1.4	64QAM	3	0	21.72	21.68	21.51	
1.4	64QAM	3	1	21.88	21.81	21.79	
1.4	64QAM	3	3	21.78	21.69	21.67	22.5
1.4	64QAM	6	0	20.58	20.67	20.50	
1.4	256QAM	1	0	18.58	18.72	18.67	20.5
1.4	256QAM	1	3	18.62	18.75	18.69	
1.4	256QAM	1	5	18.72	19.71	18.72	
1.4	256QAM	3	0	18.72	18.77	18.76	
1.4	256QAM	3	1	18.77	18.75	18.77	
1.4	256QAM	3	3	18.85	18.77	18.79	19.5
1.4	256QAM	6	0	17.74	17.80	17.77	

FDD LTE Band 26_TX 1 (Index2)

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				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	22.04	22.10	21.93	23.7
15	QPSK	1	37	22.02	21.95	21.96	
15	QPSK	1	74	22.07	21.98	21.94	
15	QPSK	36	0	22.14	22.10	22.13	23.7
15	QPSK	36	20	22.10	22.04	22.02	
15	QPSK	36	39	21.98	22.10	21.96	
15	QPSK	75	0	22.11	22.11	21.92	



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15	16QAM	1	0	22.25	22.39	22.28	23.7
15	16QAM	1	37	22.21	22.23	22.16	
15	16QAM	1	74	22.21	22.16	22.10	
15	16QAM	36	0	21.67	21.63	21.68	23.5
15	16QAM	36	20	21.60	21.66	21.67	
15	16QAM	36	39	21.69	21.53	21.51	
15	16QAM	75	0	21.66	21.66	21.67	23.5
15	64QAM	1	0	21.92	21.73	21.74	
15	64QAM	1	37	21.67	21.72	21.70	
15	64QAM	1	74	21.66	21.57	21.65	22.5
15	64QAM	36	0	21.67	21.50	21.61	
15	64QAM	36	20	21.70	21.65	21.52	
15	64QAM	36	39	21.65	21.56	21.53	20.5
15	64QAM	75	0	21.70	21.52	21.48	
15	256QAM	1	0	19.58	19.28	19.61	
15	256QAM	1	37	19.45	19.12	19.31	19.5
15	256QAM	1	74	19.59	19.27	19.41	
15	256QAM	36	0	18.78	18.34	18.58	
15	256QAM	36	20	18.62	18.27	18.56	Tune-up limit (dBm)
15	256QAM	36	39	18.71	18.27	18.66	
15	256QAM	75	0	18.98	18.62	18.67	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.95	21.94	21.81	23.7
10	QPSK	1	25	22.00	21.94	21.80	
10	QPSK	1	49	21.92	21.81	21.90	
10	QPSK	25	0	22.10	21.90	22.00	23.7
10	QPSK	25	12	21.98	21.88	21.94	
10	QPSK	25	25	21.87	21.90	21.78	
10	QPSK	50	0	22.02	21.96	21.72	23.7
10	16QAM	1	0	22.17	22.28	22.28	
10	16QAM	1	25	22.02	22.08	22.12	
10	16QAM	1	49	22.20	22.15	22.03	23.5
10	16QAM	25	0	21.59	21.56	21.64	
10	16QAM	25	12	21.62	21.67	21.65	
10	16QAM	25	25	21.57	21.64	21.50	23.5
10	16QAM	50	0	21.51	21.57	21.64	
10	64QAM	1	0	21.83	21.55	21.69	
10	64QAM	1	25	21.60	21.55	21.57	23.5
10	64QAM	1	49	21.68	21.66	21.53	
10	64QAM	25	0	21.55	21.33	21.43	
10	64QAM	25	12	21.64	21.49	21.50	22.5
10	64QAM	25	25	21.63	21.38	21.52	
10	64QAM	50	0	21.57	21.45	21.40	
10	256QAM	1	0	19.41	19.14	19.47	20.5
10	256QAM	1	25	19.43	19.06	19.14	
10	256QAM	1	49	19.48	19.25	19.37	
10	256QAM	25	0	18.77	18.33	18.40	19.5
10	256QAM	25	12	18.57	18.14	18.52	
10	256QAM	25	25	18.54	18.24	18.48	
10	256QAM	50	0	18.89	18.62	18.65	Tune-up limit (dBm)
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.91	21.93	21.74	23.7
5	QPSK	1	12	21.92	21.93	21.83	
5	QPSK	1	24	21.87	21.96	21.79	



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5	QPSK	12	0	21.94	22.09	22.02	23.7
5	QPSK	12	7	22.00	22.01	21.88	
5	QPSK	12	13	21.97	21.91	21.85	
5	QPSK	25	0	21.99	21.95	21.77	23.7
5	16QAM	1	0	22.20	22.24	22.09	
5	16QAM	1	12	22.12	22.08	22.00	
5	16QAM	1	24	22.11	22.12	22.10	23.5
5	16QAM	12	0	21.56	21.62	21.51	
5	16QAM	12	7	21.57	21.66	21.59	
5	16QAM	12	13	21.55	21.66	21.63	
5	16QAM	25	0	21.53	21.52	21.65	23.5
5	64QAM	1	0	21.88	21.72	21.72	
5	64QAM	1	12	21.50	21.61	21.64	
5	64QAM	1	24	21.63	21.61	21.53	
5	64QAM	12	0	21.61	21.49	21.49	22.5
5	64QAM	12	7	21.59	21.58	21.43	
5	64QAM	12	13	21.64	21.43	21.43	
5	64QAM	25	0	21.64	21.32	21.47	
5	256QAM	1	0	19.57	19.23	19.49	20.5
5	256QAM	1	12	19.34	18.95	19.22	
5	256QAM	1	24	19.48	19.08	19.35	
5	256QAM	12	0	18.65	18.30	18.40	19.5
5	256QAM	12	7	18.54	18.27	18.53	
5	256QAM	12	13	18.65	18.14	18.66	
5	256QAM	25	0	18.78	18.54	18.47	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	21.91	22.09	21.83	23.7
3	QPSK	1	8	21.88	21.93	21.80	
3	QPSK	1	14	21.88	21.80	21.88	
3	QPSK	8	0	22.08	22.01	22.10	23.7
3	QPSK	8	4	21.98	21.98	22.00	
3	QPSK	8	7	21.95	22.01	21.79	
3	QPSK	15	0	21.99	22.00	21.81	
3	16QAM	1	0	22.05	22.12	22.23	23.7
3	16QAM	1	8	22.02	22.04	22.13	
3	16QAM	1	14	22.18	22.15	22.10	
3	16QAM	8	0	21.61	21.54	21.67	23.5
3	16QAM	8	4	21.69	21.56	21.72	
3	16QAM	8	7	21.50	21.77	21.71	
3	16QAM	15	0	21.60	21.70	21.71	
3	64QAM	1	0	21.80	21.70	21.72	23.5
3	64QAM	1	8	21.63	21.59	21.65	
3	64QAM	1	14	21.59	21.50	21.61	
3	64QAM	8	0	21.57	21.35	21.54	22.5
3	64QAM	8	4	21.59	21.53	21.43	
3	64QAM	8	7	21.54	21.38	21.52	
3	64QAM	15	0	21.50	21.42	21.48	
3	256QAM	1	0	19.54	19.28	19.47	20.5
3	256QAM	1	8	19.33	18.96	19.24	
3	256QAM	1	14	19.53	19.26	19.29	
3	256QAM	8	0	18.62	18.24	18.39	19.5
3	256QAM	8	4	18.56	18.14	18.47	
3	256QAM	8	7	18.61	18.09	18.56	
3	256QAM	15	0	18.83	18.60	18.56	
Channel				26697	26865	27033	



Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	21.91	22.09	21.83	23.7
1.4	QPSK	1	3	21.88	21.93	21.80	
1.4	QPSK	1	5	21.88	21.80	21.88	
1.4	QPSK	3	0	22.08	22.01	22.10	
1.4	QPSK	3	1	21.98	21.98	22.00	
1.4	QPSK	3	3	21.95	22.01	21.79	
1.4	QPSK	6	0	21.99	22.00	21.81	23.7
1.4	16QAM	1	0	22.05	22.12	22.23	23.7
1.4	16QAM	1	3	22.02	22.04	22.13	
1.4	16QAM	1	5	22.18	22.15	22.10	
1.4	16QAM	3	0	21.81	21.84	22.07	
1.4	16QAM	3	1	21.71	21.76	22.12	
1.4	16QAM	3	3	21.70	21.76	21.71	
1.4	16QAM	6	0	21.60	21.60	21.51	23.5
1.4	64QAM	1	0	21.80	21.70	21.72	23.5
1.4	64QAM	1	3	21.63	21.59	21.65	
1.4	64QAM	1	5	21.59	21.50	21.60	
1.4	64QAM	3	0	21.76	21.73	21.66	
1.4	64QAM	3	1	21.56	21.53	21.62	
1.4	64QAM	3	3	21.59	21.52	21.57	
1.4	64QAM	6	0	21.47	21.38	21.48	22.5
1.4	256QAM	1	0	19.48	19.13	19.46	20.5
1.4	256QAM	1	3	19.29	19.04	19.29	
1.4	256QAM	1	5	19.57	19.07	19.37	
1.4	256QAM	3	0	19.48	19.10	19.51	
1.4	256QAM	3	1	19.26	19.00	19.21	
1.4	256QAM	3	3	19.39	19.25	19.28	
1.4	256QAM	6	0	18.77	18.26	18.41	19.5

FDD LTE Band 26_TX 1 (Index3)

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				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	22.04	22.10	21.93	22.5
15	QPSK	1	37	22.02	21.95	21.96	
15	QPSK	1	74	22.07	21.98	21.94	
15	QPSK	36	0	22.14	22.10	22.13	22.5
15	QPSK	36	20	22.10	22.04	22.02	
15	QPSK	36	39	21.98	22.10	21.96	
15	QPSK	75	0	22.11	22.11	21.92	22.5
15	16QAM	1	0	22.25	22.39	22.28	
15	16QAM	1	37	22.21	22.23	22.16	
15	16QAM	1	74	22.21	22.16	22.10	22.5
15	16QAM	36	0	21.67	21.63	21.68	
15	16QAM	36	20	21.60	21.66	21.67	
15	16QAM	36	39	21.69	21.53	21.51	22.5
15	16QAM	75	0	21.66	21.66	21.67	
15	64QAM	1	0	21.92	21.73	21.74	
15	64QAM	1	37	21.67	21.72	21.70	22.5
15	64QAM	1	74	21.66	21.57	21.65	
15	64QAM	36	0	21.67	21.50	21.61	
15	64QAM	36	20	21.70	21.65	21.52	22.5



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15	64QAM	36	39	21.65	21.56	21.53	
15	64QAM	75	0	21.70	21.52	21.48	
15	256QAM	1	0	19.58	19.28	19.61	
15	256QAM	1	37	19.45	19.12	19.31	20.5
15	256QAM	1	74	19.59	19.27	19.41	
15	256QAM	36	0	18.78	18.34	18.58	
15	256QAM	36	20	18.62	18.27	18.56	19.5
15	256QAM	36	39	18.71	18.27	18.66	
15	256QAM	75	0	18.98	18.62	18.67	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.95	21.94	21.81	22.5
10	QPSK	1	25	22.00	21.94	21.80	
10	QPSK	1	49	21.92	21.81	21.90	
10	QPSK	25	0	22.10	21.90	22.00	22.5
10	QPSK	25	12	21.98	21.88	21.94	
10	QPSK	25	25	21.87	21.90	21.78	
10	QPSK	50	0	22.02	21.96	21.72	22.5
10	16QAM	1	0	22.17	22.28	22.28	
10	16QAM	1	25	22.02	22.08	22.12	
10	16QAM	1	49	22.20	22.15	22.03	22.5
10	16QAM	25	0	21.59	21.56	21.64	
10	16QAM	25	12	21.62	21.67	21.65	
10	16QAM	25	25	21.57	21.64	21.50	22.5
10	16QAM	50	0	21.51	21.57	21.64	
10	64QAM	1	0	21.83	21.55	21.69	
10	64QAM	1	25	21.60	21.55	21.57	22.5
10	64QAM	1	49	21.68	21.66	21.53	
10	64QAM	25	0	21.55	21.33	21.43	
10	64QAM	25	12	21.64	21.49	21.50	22.5
10	64QAM	25	25	21.63	21.38	21.52	
10	64QAM	50	0	21.57	21.45	21.40	
10	256QAM	1	0	19.41	19.14	19.47	20.5
10	256QAM	1	25	19.43	19.06	19.14	
10	256QAM	1	49	19.48	19.25	19.37	
10	256QAM	25	0	18.77	18.33	18.40	19.5
10	256QAM	25	12	18.57	18.14	18.52	
10	256QAM	25	25	18.54	18.24	18.48	
10	256QAM	50	0	18.89	18.62	18.65	22.5
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.91	21.93	21.74	22.5
5	QPSK	1	12	21.92	21.93	21.83	
5	QPSK	1	24	21.87	21.96	21.79	
5	QPSK	12	0	21.94	22.09	22.02	22.5
5	QPSK	12	7	22.00	22.01	21.88	
5	QPSK	12	13	21.97	21.91	21.85	
5	QPSK	25	0	21.99	21.95	21.77	22.5
5	16QAM	1	0	22.20	22.24	22.09	
5	16QAM	1	12	22.12	22.08	22.00	
5	16QAM	1	24	22.11	22.12	22.10	22.5
5	16QAM	12	0	21.56	21.62	21.51	
5	16QAM	12	7	21.57	21.66	21.59	
5	16QAM	12	13	21.55	21.66	21.63	22.5
5	16QAM	25	0	21.53	21.52	21.65	
5	64QAM	1	0	21.88	21.72	21.72	



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5	64QAM	1	12	21.50	21.61	21.64	22.5
5	64QAM	1	24	21.63	21.61	21.53	
5	64QAM	12	0	21.61	21.49	21.49	
5	64QAM	12	7	21.59	21.58	21.43	
5	64QAM	12	13	21.64	21.43	21.43	
5	64QAM	25	0	21.64	21.32	21.47	
5	256QAM	1	0	19.57	19.23	19.49	20.5
5	256QAM	1	12	19.34	18.95	19.22	
5	256QAM	1	24	19.48	19.08	19.35	
5	256QAM	12	0	18.65	18.30	18.40	19.5
5	256QAM	12	7	18.54	18.27	18.53	
5	256QAM	12	13	18.65	18.14	18.66	
5	256QAM	25	0	18.78	18.54	18.47	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	21.91	22.09	21.83	22.5
3	QPSK	1	8	21.88	21.93	21.80	
3	QPSK	1	14	21.88	21.80	21.88	
3	QPSK	8	0	22.08	22.01	22.10	22.5
3	QPSK	8	4	21.98	21.98	22.00	
3	QPSK	8	7	21.95	22.01	21.79	
3	QPSK	15	0	21.99	22.00	21.81	
3	16QAM	1	0	22.05	22.12	22.23	22.5
3	16QAM	1	8	22.02	22.04	22.13	
3	16QAM	1	14	22.18	22.15	22.10	
3	16QAM	8	0	21.61	21.54	21.67	22.5
3	16QAM	8	4	21.69	21.56	21.72	
3	16QAM	8	7	21.50	21.77	21.71	
3	16QAM	15	0	21.60	21.70	21.71	
3	64QAM	1	0	21.80	21.70	21.72	
3	64QAM	1	8	21.63	21.59	21.65	22.5
3	64QAM	1	14	21.59	21.50	21.61	
3	64QAM	8	0	21.57	21.35	21.54	
3	64QAM	8	4	21.59	21.53	21.43	22.5
3	64QAM	8	7	21.54	21.38	21.52	
3	64QAM	15	0	21.50	21.42	21.48	
3	256QAM	1	0	19.54	19.28	19.47	
3	256QAM	1	8	19.33	18.96	19.24	20.5
3	256QAM	1	14	19.53	19.26	19.29	
3	256QAM	8	0	18.62	18.24	18.39	
3	256QAM	8	4	18.56	18.14	18.47	19.5
3	256QAM	8	7	18.61	18.09	18.56	
3	256QAM	15	0	18.83	18.60	18.56	
Channel				26697	26865	27033	
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	21.91	22.09	21.83	22.5
1.4	QPSK	1	3	21.88	21.93	21.80	
1.4	QPSK	1	5	21.88	21.80	21.88	
1.4	QPSK	3	0	22.08	22.01	22.10	
1.4	QPSK	3	1	21.98	21.98	22.00	
1.4	QPSK	3	3	21.95	22.01	21.79	
1.4	QPSK	6	0	21.99	22.00	21.81	22.5
1.4	16QAM	1	0	22.05	22.12	22.23	22.5
1.4	16QAM	1	3	22.02	22.04	22.13	
1.4	16QAM	1	5	22.18	22.15	22.10	
1.4	16QAM	3	0	21.81	21.84	22.07	



1.4	16QAM	3	1	21.71	21.76	22.12	
1.4	16QAM	3	3	21.70	21.76	21.71	
1.4	16QAM	6	0	21.60	21.60	21.51	22.5
1.4	64QAM	1	0	21.80	21.70	21.72	22.5
1.4	64QAM	1	3	21.63	21.59	21.65	
1.4	64QAM	1	5	21.59	21.50	21.60	
1.4	64QAM	3	0	21.76	21.73	21.66	
1.4	64QAM	3	1	21.56	21.53	21.62	
1.4	64QAM	3	3	21.59	21.52	21.57	
1.4	64QAM	6	0	21.47	21.38	21.48	22.5
1.4	256QAM	1	0	19.48	19.13	19.46	20.5
1.4	256QAM	1	3	19.29	19.04	19.29	
1.4	256QAM	1	5	19.57	19.07	19.37	
1.4	256QAM	3	0	19.48	19.10	19.51	
1.4	256QAM	3	1	19.26	19.00	19.21	
1.4	256QAM	3	3	19.39	19.25	19.28	
1.4	256QAM	6	0	18.77	18.26	18.41	19.5

FDD LTE Band 30_TX 0 (Index2/3)

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				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		22.28		22.9
10	QPSK	1	25		22.18		
10	QPSK	1	49		22.02		
10	QPSK	25	0		22.23		22.9
10	QPSK	25	12		22.14		
10	QPSK	25	25		22.12		
10	QPSK	50	0		22.14		22.9
10	16QAM	1	0		22.24		
10	16QAM	1	25		22.27		
10	16QAM	1	49		22.19		22.9
10	16QAM	25	0		22.13		
10	16QAM	25	12		22.13		
10	16QAM	25	25		22.09		22.9
10	16QAM	50	0		22.08		
10	64QAM	1	0		21.80		
10	64QAM	1	25		21.90		
10	64QAM	1	49		21.71		
10	64QAM	25	0		21.12		22
10	64QAM	25	12		21.08		
10	64QAM	25	25		21.07		
10	64QAM	50	0		21.10		20.5
10	256QAM	1	0		20.03		
10	256QAM	1	25		19.65		
10	256QAM	1	49		19.66		20.5
10	256QAM	25	0		19.65		
10	256QAM	25	12		19.88		
10	256QAM	25	25		19.69		20.5
10	256QAM	25	25		19.69		
10	256QAM	50	0		19.82		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.13	22.13	22.21	22.9
5	QPSK	1	12	22.11	22.02	22.14	



5	QPSK	1	24	21.83	21.91	21.99	
5	QPSK	12	0	22.20	22.23	22.06	22.9
5	QPSK	12	7	21.94	22.14	21.99	
5	QPSK	12	13	21.94	21.97	22.09	
5	QPSK	25	0	22.12	22.08	21.94	
5	16QAM	1	0	22.21	22.20	22.22	22.9
5	16QAM	1	12	22.19	22.12	22.09	
5	16QAM	1	24	22.01	22.00	22.07	
5	16QAM	12	0	22.01	22.10	22.11	22.9
5	16QAM	12	7	21.97	22.02	21.94	
5	16QAM	12	13	21.99	22.07	22.01	
5	16QAM	25	0	22.04	22.02	21.96	
5	64QAM	1	0	21.79	21.63	21.77	22.9
5	64QAM	1	12	21.72	21.89	21.72	
5	64QAM	1	24	21.59	21.64	21.68	
5	64QAM	12	0	21.03	20.95	21.00	22
5	64QAM	12	7	20.97	20.90	20.88	
5	64QAM	12	13	20.95	21.06	20.99	
5	64QAM	25	0	21.05	21.05	21.04	
5	256QAM	1	0	19.92	19.89	20.03	20.5
5	256QAM	1	12	19.45	19.62	19.53	
5	256QAM	1	24	19.47	19.51	19.47	
5	256QAM	12	0	19.49	19.62	19.64	20.5
5	256QAM	12	7	19.74	19.87	19.70	
5	256QAM	12	13	19.65	19.67	19.69	
5	256QAM	25	0	19.82	19.69	19.70	

FDD LTE Band 30_TX 1 (Index2/3)

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				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		22.99		23.1
10	QPSK	1	25		22.81		
10	QPSK	1	49		22.80		
10	QPSK	25	0		22.64		23
10	QPSK	25	12		22.56		
10	QPSK	25	25		22.62		
10	QPSK	50	0		22.61		23
10	16QAM	1	0		22.87		
10	16QAM	1	25		22.72		
10	16QAM	1	49		22.77		22
10	16QAM	25	0		21.67		
10	16QAM	25	12		21.64		
10	16QAM	25	25		21.63		
10	16QAM	50	0		21.65		22
10	64QAM	1	0		21.89		
10	64QAM	1	25		21.58		
10	64QAM	1	49		21.72		
10	64QAM	25	0		20.67		21
10	64QAM	25	12		20.61		
10	64QAM	25	25		20.61		
10	64QAM	50	0		20.66		
10	256QAM	1	0		18.37		19.5
10	256QAM	1	25		18.66		



10	256QAM	1	49		18.33		
10	256QAM	25	0		18.34		19.5
10	256QAM	25	12		18.38		
10	256QAM	25	25		18.19		
10	256QAM	50	0		18.29		
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	22.78	22.91	22.83	23.1
5	QPSK	1	12	22.80	22.81	22.78	
5	QPSK	1	24	22.77	22.85	22.79	
5	QPSK	12	0	22.42	22.43	22.42	23
5	QPSK	12	7	22.41	22.44	22.45	
5	QPSK	12	13	22.39	22.44	22.41	
5	QPSK	25	0	22.41	22.45	22.44	
5	16QAM	1	0	22.82	22.78	22.67	
5	16QAM	1	12	22.50	22.43	22.56	23
5	16QAM	1	24	22.56	22.57	22.66	
5	16QAM	12	0	21.48	21.46	21.42	
5	16QAM	12	7	21.42	21.42	21.42	22
5	16QAM	12	13	21.39	21.41	21.42	
5	16QAM	25	0	21.45	21.44	21.43	
5	64QAM	1	0	21.76	21.64	21.52	
5	64QAM	1	12	21.53	21.51	21.50	
5	64QAM	1	24	21.45	21.46	21.60	22
5	64QAM	12	0	20.51	20.43	20.44	
5	64QAM	12	7	20.43	20.43	20.46	
5	64QAM	12	13	20.39	20.41	20.42	
5	64QAM	25	0	20.43	20.46	20.44	
5	256QAM	1	0	18.39	18.35	18.30	19.5
5	256QAM	1	12	18.69	18.69	18.67	
5	256QAM	1	24	18.33	18.28	18.29	
5	256QAM	12	0	18.34	18.33	18.33	19.5
5	256QAM	12	7	18.36	18.40	18.32	
5	256QAM	12	13	18.16	18.19	18.21	
5	256QAM	12	0	18.34	18.33	18.33	
5	256QAM	25	0	18.25	18.22	18.29	

FDD LTE Band 66_TX 0 (Index2/3)

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	24.57	24.63	24.60	25.5
20	QPSK	1	49	24.41	24.48	24.47	
20	QPSK	1	99	24.34	24.36	24.34	
20	QPSK	50	0	23.58	23.66	23.60	24.5
20	QPSK	50	24	23.54	23.59	23.59	
20	QPSK	50	50	23.51	23.52	23.53	
20	QPSK	100	0	23.54	23.58	23.57	
20	16QAM	1	0	23.98	23.99	23.93	
20	16QAM	1	49	23.76	23.73	23.67	24.5
20	16QAM	1	99	23.75	23.69	23.65	
20	16QAM	50	0	21.61	21.64	21.63	
20	16QAM	50	24	21.57	21.57	21.61	22.5
20	16QAM	50	50	21.50	21.50	21.55	
20	16QAM	100	0	21.55	21.54	21.57	



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20	64QAM	1	0	22.85	22.91	22.83	23.5
20	64QAM	1	49	22.68	22.71	22.61	
20	64QAM	1	99	22.60	22.66	22.56	
20	64QAM	50	0	21.63	21.67	21.69	22.5
20	64QAM	50	24	21.59	21.60	21.63	
20	64QAM	50	50	21.52	21.52	21.56	
20	64QAM	100	0	21.55	21.57	21.56	20.5
20	256QAM	1	0	19.55	19.43	19.54	
20	256QAM	1	49	19.59	19.51	19.58	
20	256QAM	1	99	19.62	19.58	19.65	19.6
20	256QAM	50	0	18.32	18.30	18.30	
20	256QAM	50	24	18.37	18.26	18.27	
20	256QAM	50	50	18.32	18.30	18.37	
20	256QAM	100	0	18.32	18.24	18.28	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.42	24.45	24.49	25.5
15	QPSK	1	37	24.30	24.30	24.34	
15	QPSK	1	74	24.34	24.32	24.37	
15	QPSK	36	0	23.41	23.50	23.55	24.5
15	QPSK	36	20	23.40	23.45	23.48	
15	QPSK	36	39	23.36	23.39	23.44	
15	QPSK	75	0	23.39	23.44	23.50	24.5
15	16QAM	1	0	23.78	23.87	23.93	
15	16QAM	1	37	23.72	23.76	23.64	
15	16QAM	1	74	23.61	23.73	23.72	22.5
15	16QAM	36	0	21.49	21.52	21.52	
15	16QAM	36	20	21.43	21.46	21.51	
15	16QAM	36	39	21.40	21.39	21.45	
15	16QAM	75	0	21.42	21.44	21.49	
15	64QAM	1	0	22.73	22.69	22.76	23.5
15	64QAM	1	37	22.61	22.73	22.62	
15	64QAM	1	74	22.57	22.55	22.53	
15	64QAM	36	0	21.50	21.52	21.53	22.5
15	64QAM	36	20	21.45	21.47	21.50	
15	64QAM	36	39	21.42	21.43	21.45	
15	64QAM	75	0	21.43	21.45	21.49	20.5
15	256QAM	1	0	19.66	19.58	19.58	
15	256QAM	1	37	19.86	19.48	19.30	
15	256QAM	1	74	19.75	19.59	19.33	19.6
15	256QAM	36	0	18.44	18.48	18.40	
15	256QAM	36	20	18.62	18.46	18.41	
15	256QAM	36	39	18.57	18.49	18.37	
15	256QAM	75	0	18.44	18.45	18.47	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.50	24.52	24.50	25.5
10	QPSK	1	25	24.35	24.27	24.22	
10	QPSK	1	49	24.43	24.40	24.37	
10	QPSK	25	0	23.48	23.50	23.52	24.5
10	QPSK	25	12	23.47	23.47	23.50	
10	QPSK	25	25	23.48	23.45	23.44	
10	QPSK	50	0	23.50	23.49	23.50	24.5
10	16QAM	1	0	23.75	23.82	23.71	
10	16QAM	1	25	23.63	23.55	23.51	
10	16QAM	1	49	23.61	23.53	23.60	



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10	16QAM	25	0	21.56	21.55	21.54	22.5
10	16QAM	25	12	21.57	21.53	21.51	
10	16QAM	25	25	21.54	21.50	21.49	
10	16QAM	50	0	21.49	21.47	21.46	
10	64QAM	1	0	22.68	22.65	22.71	23.5
10	64QAM	1	25	22.50	22.65	22.59	
10	64QAM	1	49	22.56	22.57	22.65	
10	64QAM	25	0	21.55	21.48	21.46	22.5
10	64QAM	25	12	21.52	21.47	21.44	
10	64QAM	25	25	21.48	21.43	21.46	
10	64QAM	50	0	21.51	21.47	21.48	
10	256QAM	1	0	19.48	19.60	19.58	20.5
10	256QAM	1	25	19.51	19.37	19.48	
10	256QAM	1	49	19.56	19.43	19.35	
10	256QAM	25	0	18.41	18.35	18.32	19.6
10	256QAM	25	12	18.47	18.40	18.28	
10	256QAM	25	25	18.43	18.39	18.26	
10	256QAM	50	0	18.47	18.31	18.38	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.53	24.49	24.48	25.5
5	QPSK	1	12	24.45	24.44	24.41	
5	QPSK	1	24	24.48	24.47	24.46	
5	QPSK	12	0	23.54	23.50	23.49	24.5
5	QPSK	12	7	23.52	23.49	23.49	
5	QPSK	12	13	23.50	23.48	23.48	
5	QPSK	25	0	23.54	23.51	23.50	
5	16QAM	1	0	23.80	23.79	23.79	24.5
5	16QAM	1	12	23.69	23.63	23.67	
5	16QAM	1	24	23.72	23.71	23.72	
5	16QAM	12	0	21.58	21.52	21.51	22.5
5	16QAM	12	7	21.57	21.52	21.52	
5	16QAM	12	13	21.53	21.48	21.49	
5	16QAM	25	0	21.56	21.50	21.49	
5	64QAM	1	0	22.69	22.58	22.61	23.5
5	64QAM	1	12	22.62	22.59	22.54	
5	64QAM	1	24	22.67	22.58	22.57	
5	64QAM	12	0	21.55	21.49	21.52	22.5
5	64QAM	12	7	21.51	21.50	21.50	
5	64QAM	12	13	21.51	21.47	21.48	
5	64QAM	25	0	21.54	21.47	21.45	
5	256QAM	1	0	19.46	19.67	19.56	20.5
5	256QAM	1	12	19.68	19.47	19.36	
5	256QAM	1	24	19.66	19.51	19.58	
5	256QAM	12	0	18.48	18.40	18.39	19.6
5	256QAM	12	7	18.59	18.45	18.36	
5	256QAM	12	13	18.55	18.44	18.33	
5	256QAM	25	0	18.46	18.41	18.35	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	24.55	24.49	24.43	25.5
3	QPSK	1	8	24.46	24.37	24.31	
3	QPSK	1	14	24.54	24.45	24.41	
3	QPSK	8	0	23.56	23.47	23.44	24.5
3	QPSK	8	4	23.57	23.46	23.39	
3	QPSK	8	7	23.54	23.50	23.43	



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3	QPSK	15	0	23.55	23.44	23.43	
3	16QAM	1	0	23.87	23.73	23.62	24.5
3	16QAM	1	8	23.73	23.62	23.48	
3	16QAM	1	14	23.78	23.64	23.52	
3	16QAM	8	0	21.60	21.46	21.44	22.5
3	16QAM	8	4	21.62	21.45	21.43	
3	16QAM	8	7	21.61	21.46	21.44	
3	16QAM	15	0	21.56	21.45	21.43	
3	64QAM	1	0	22.68	22.59	22.49	23.5
3	64QAM	1	8	22.60	22.53	22.45	
3	64QAM	1	14	22.65	22.53	22.49	
3	64QAM	8	0	21.59	21.42	21.40	22.5
3	64QAM	8	4	21.49	21.35	21.35	
3	64QAM	8	7	21.63	21.42	21.39	
3	64QAM	15	0	21.58	21.42	21.42	
3	256QAM	1	0	19.61	19.62	19.56	20.5
3	256QAM	1	8	19.69	19.32	19.40	
3	256QAM	1	14	19.55	19.51	19.42	
3	256QAM	8	0	18.48	18.40	18.41	19.6
3	256QAM	8	4	19.49	18.39	18.34	
3	256QAM	8	7	18.52	18.47	18.40	
3	256QAM	15	0	18.49	18.33	18.32	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.48	24.40	24.43	25.5
1.4	QPSK	1	3	24.49	24.40	24.50	
1.4	QPSK	1	5	24.55	24.43	24.46	
1.4	QPSK	3	0	24.45	24.38	24.38	
1.4	QPSK	3	1	24.51	24.42	24.44	
1.4	QPSK	3	3	24.55	24.29	24.45	24.5
1.4	QPSK	6	0	23.57	23.46	23.50	
1.4	16QAM	1	0	23.78	23.66	23.81	24.5
1.4	16QAM	1	3	23.76	23.49	23.73	
1.4	16QAM	1	5	23.76	23.67	23.84	
1.4	16QAM	3	0	23.52	23.40	23.50	
1.4	16QAM	3	1	23.61	23.46	23.52	
1.4	16QAM	3	3	23.61	23.53	23.69	
1.4	16QAM	6	0	21.62	21.43	21.62	22.5
1.4	64QAM	1	0	22.68	22.34	22.69	23.5
1.4	64QAM	1	3	22.64	22.43	22.53	
1.4	64QAM	1	5	22.78	22.46	22.63	
1.4	64QAM	3	0	22.66	22.40	22.53	
1.4	64QAM	3	1	22.69	22.47	22.60	
1.4	64QAM	3	3	22.65	22.51	22.71	
1.4	64QAM	6	0	21.55	21.40	21.58	22.5
1.4	256QAM	1	0	19.63	19.57	19.40	20.5
1.4	256QAM	1	3	19.56	19.38	19.52	
1.4	256QAM	1	5	19.52	19.60	19.49	
1.4	256QAM	3	0	19.40	19.44	19.41	
1.4	256QAM	3	1	19.59	19.49	19.52	
1.4	256QAM	3	3	19.63	19.22	19.38	
1.4	256QAM	6	0	18.32	18.44	19.00	19.6



FDD LTE Band 66_TX 0 (Index2)

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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	17.86	17.91	17.85	19.2
20	QPSK	1	49	17.68	17.71	17.60	
20	QPSK	1	99	17.63	17.77	17.69	
20	QPSK	50	0	17.71	17.78	17.75	19.2
20	QPSK	50	24	17.62	17.69	17.73	
20	QPSK	50	50	17.67	17.73	17.71	
20	QPSK	100	0	17.71	17.70	17.64	19.2
20	16QAM	1	0	17.75	17.81	17.74	
20	16QAM	1	49	17.65	17.69	17.65	
20	16QAM	1	99	17.68	17.69	17.59	19.2
20	16QAM	50	0	17.76	17.80	17.72	
20	16QAM	50	24	17.71	17.79	17.74	
20	16QAM	50	50	17.64	17.68	17.61	19.2
20	16QAM	100	0	17.71	17.72	17.74	
20	64QAM	1	0	17.73	17.86	17.74	
20	64QAM	1	49	17.73	17.76	17.68	
20	64QAM	1	99	17.55	17.61	17.61	
20	64QAM	50	0	17.70	17.72	17.76	19.2
20	64QAM	50	24	17.71	17.74	17.78	
20	64QAM	50	50	17.58	17.72	17.67	
20	64QAM	100	0	17.71	17.78	17.75	19.2
20	256QAM	1	0	17.61	17.75	17.64	
20	256QAM	1	49	17.66	17.67	17.63	
20	256QAM	1	99	17.68	17.66	17.67	19.2
20	256QAM	50	0	17.68	17.72	17.72	
20	256QAM	50	24	17.56	17.71	17.59	
20	256QAM	50	50	17.56	17.59	17.60	19.2
20	256QAM	100	0	17.76	17.77	17.69	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.83	17.90	17.75	19.2
15	QPSK	1	37	17.59	17.71	17.52	
15	QPSK	1	74	17.57	17.73	17.62	
15	QPSK	36	0	17.61	17.77	17.66	19.2
15	QPSK	36	20	17.60	17.68	17.67	
15	QPSK	36	39	17.64	17.66	17.71	
15	QPSK	75	0	17.68	17.61	17.60	19.2
15	16QAM	1	0	17.74	17.74	17.65	
15	16QAM	1	37	17.56	17.68	17.56	
15	16QAM	1	74	17.60	17.69	17.51	19.2
15	16QAM	36	0	17.72	17.73	17.72	
15	16QAM	36	20	17.68	17.74	17.69	
15	16QAM	36	39	17.54	17.60	17.57	19.2
15	16QAM	75	0	17.67	17.68	17.66	
15	64QAM	1	0	17.66	17.77	17.64	
15	64QAM	1	37	17.67	17.74	17.62	
15	64QAM	1	74	17.55	17.60	17.55	
15	64QAM	36	0	17.62	17.68	17.75	19.2
15	64QAM	36	20	17.65	17.74	17.78	
15	64QAM	36	39	17.50	17.63	17.64	



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15	64QAM	75	0	17.63	17.74	17.75	
15	256QAM	1	0	17.59	17.66	17.54	19.2
15	256QAM	1	37	17.61	17.57	17.56	
15	256QAM	1	74	17.58	17.61	17.58	
15	256QAM	36	0	17.65	17.65	17.62	19.2
15	256QAM	36	20	17.50	17.70	17.58	
15	256QAM	36	39	17.55	17.56	17.53	
15	256QAM	75	0	17.71	17.74	17.60	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	17.82	17.81	17.78	19.2
10	QPSK	1	25	17.66	17.64	17.60	
10	QPSK	1	49	17.61	17.68	17.63	
10	QPSK	25	0	17.68	17.71	17.75	19.2
10	QPSK	25	12	17.52	17.67	17.64	
10	QPSK	25	25	17.66	17.72	17.67	
10	QPSK	50	0	17.63	17.64	17.62	
10	16QAM	1	0	17.74	17.79	17.64	19.2
10	16QAM	1	25	17.59	17.60	17.62	
10	16QAM	1	49	17.66	17.61	17.51	
10	16QAM	25	0	17.76	17.70	17.67	19.2
10	16QAM	25	12	17.67	17.74	17.70	
10	16QAM	25	25	17.62	17.62	17.61	
10	16QAM	50	0	17.70	17.72	17.74	
10	64QAM	1	0	17.71	17.86	17.69	19.2
10	64QAM	1	25	17.70	17.69	17.63	
10	64QAM	1	49	17.56	17.61	17.53	
10	64QAM	25	0	17.61	17.72	17.69	19.2
10	64QAM	25	12	17.63	17.74	17.70	
10	64QAM	25	25	17.53	17.63	17.61	
10	64QAM	50	0	17.70	17.71	17.74	
10	256QAM	1	0	17.52	17.73	17.57	19.2
10	256QAM	1	25	17.60	17.64	17.58	
10	256QAM	1	49	17.62	17.64	17.59	
10	256QAM	25	0	17.58	17.67	17.70	19.2
10	256QAM	25	12	17.52	17.61	17.56	
10	256QAM	25	25	17.51	17.54	17.52	
10	256QAM	50	0	17.69	17.70	17.61	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	17.84	17.84	17.84	19.2
5	QPSK	1	12	17.64	17.67	17.51	
5	QPSK	1	24	17.54	17.67	17.59	
5	QPSK	12	0	17.68	17.68	17.68	19.2
5	QPSK	12	7	17.53	17.67	17.64	
5	QPSK	12	13	17.62	17.64	17.67	
5	QPSK	25	0	17.69	17.62	17.60	
5	16QAM	1	0	17.71	17.74	17.65	19.2
5	16QAM	1	12	17.65	17.65	17.62	
5	16QAM	1	24	17.68	17.68	17.59	
5	16QAM	12	0	17.76	17.80	17.64	19.2
5	16QAM	12	7	17.64	17.71	17.67	
5	16QAM	12	13	17.56	17.60	17.54	
5	16QAM	25	0	17.65	17.62	17.66	
5	64QAM	1	0	17.73	17.78	17.68	19.2
5	64QAM	1	12	17.71	17.72	17.64	



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5	64QAM	1	24	17.59	17.54	17.55	19.2
5	64QAM	12	0	17.70	17.72	17.74	
5	64QAM	12	7	17.71	17.72	17.76	
5	64QAM	12	13	17.53	17.68	17.66	
5	64QAM	25	0	17.63	17.78	17.71	
5	256QAM	1	0	17.60	17.75	17.61	19.2
5	256QAM	1	12	17.57	17.64	17.54	
5	256QAM	1	24	17.68	17.60	17.63	
5	256QAM	12	0	17.61	17.70	17.68	19.2
5	256QAM	12	7	17.56	17.63	17.59	
5	256QAM	12	13	17.54	17.58	17.54	
5	256QAM	25	0	17.70	17.72	17.67	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	17.77	17.90	17.79	19.2
3	QPSK	1	8	17.68	17.65	17.54	
3	QPSK	1	14	17.54	17.72	17.65	
3	QPSK	8	0	17.71	17.72	17.74	19.2
3	QPSK	8	4	17.61	17.63	17.73	
3	QPSK	8	7	17.63	17.69	17.71	
3	QPSK	15	0	17.68	17.68	17.54	
3	16QAM	1	0	17.66	17.72	17.65	19.2
3	16QAM	1	8	17.57	17.67	17.61	
3	16QAM	1	14	17.61	17.66	17.51	
3	16QAM	8	0	17.76	17.79	17.72	19.2
3	16QAM	8	4	17.65	17.78	17.67	
3	16QAM	8	7	17.60	17.62	17.54	
3	16QAM	15	0	17.69	17.69	17.70	
3	64QAM	1	0	17.63	17.86	17.69	19.2
3	64QAM	1	8	17.73	17.70	17.65	
3	64QAM	1	14	17.57	17.61	17.51	
3	64QAM	8	0	17.60	17.68	17.76	19.2
3	64QAM	8	4	17.67	17.69	17.69	
3	64QAM	8	7	17.58	17.68	17.57	
3	64QAM	15	0	17.63	17.77	17.69	
3	256QAM	1	0	17.51	17.66	17.55	19.2
3	256QAM	1	8	17.64	17.67	17.54	
3	256QAM	1	14	17.62	17.65	17.66	
3	256QAM	8	0	17.60	17.66	17.63	19.2
3	256QAM	8	4	17.53	17.64	17.50	
3	256QAM	8	7	17.51	17.51	17.51	
3	256QAM	15	0	17.66	17.76	17.59	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	17.85	17.87	17.76	19.2
1.4	QPSK	1	3	17.59	17.64	17.50	
1.4	QPSK	1	5	17.61	17.70	17.61	
1.4	QPSK	3	0	17.66	17.78	17.75	
1.4	QPSK	3	1	17.55	17.68	17.65	
1.4	QPSK	3	3	17.61	17.70	17.71	
1.4	QPSK	6	0	17.71	17.68	17.60	19.2
1.4	16QAM	1	0	17.75	17.80	17.71	19.2
1.4	16QAM	1	3	17.62	17.63	17.61	
1.4	16QAM	1	5	17.59	17.63	17.52	
1.4	16QAM	3	0	17.76	17.70	17.66	
1.4	16QAM	3	1	17.67	17.75	17.68	



1.4	16QAM	3	3	17.57	17.68	17.59	
1.4	16QAM	6	0	17.63	17.62	17.70	19.2
1.4	64QAM	1	0	17.64	17.81	17.70	19.2
1.4	64QAM	1	3	17.70	17.68	17.63	
1.4	64QAM	1	5	17.58	17.61	17.54	
1.4	64QAM	3	0	17.69	17.71	17.74	
1.4	64QAM	3	1	17.61	17.73	17.73	
1.4	64QAM	3	3	17.55	17.69	17.64	
1.4	64QAM	6	0	17.69	17.73	17.67	19.2
1.4	256QAM	1	0	17.60	17.71	17.62	19.2
1.4	256QAM	1	3	17.58	17.63	17.61	
1.4	256QAM	1	5	17.62	17.61	17.62	
1.4	256QAM	3	0	17.58	17.69	17.65	
1.4	256QAM	3	1	17.50	17.62	17.50	
1.4	256QAM	3	3	17.50	17.52	17.55	
1.4	256QAM	6	0	17.72	17.70	17.65	19.2

FDD LTE Band 66_TX 0 (Index3)

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				132072	132322	132572	18
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	17.86	17.91	17.85	
20	QPSK	1	49	17.68	17.71	17.60	18
20	QPSK	1	99	17.63	17.77	17.69	
20	QPSK	50	0	17.71	17.78	17.75	
20	QPSK	50	24	17.62	17.69	17.73	18
20	QPSK	50	50	17.67	17.73	17.71	
20	QPSK	100	0	17.71	17.70	17.64	
20	16QAM	1	0	17.75	17.81	17.74	18
20	16QAM	1	49	17.65	17.69	17.65	
20	16QAM	1	99	17.68	17.69	17.59	
20	16QAM	50	0	17.76	17.80	17.72	18
20	16QAM	50	24	17.71	17.79	17.74	
20	16QAM	50	50	17.64	17.68	17.61	
20	16QAM	100	0	17.71	17.72	17.74	18
20	64QAM	1	0	17.73	17.86	17.74	
20	64QAM	1	49	17.73	17.76	17.68	
20	64QAM	1	99	17.55	17.61	17.61	18
20	64QAM	50	0	17.70	17.72	17.76	
20	64QAM	50	24	17.71	17.74	17.78	
20	64QAM	50	50	17.58	17.72	17.67	18
20	64QAM	100	0	17.71	17.78	17.75	
20	256QAM	1	0	17.61	17.75	17.64	
20	256QAM	1	49	17.66	17.67	17.63	18
20	256QAM	1	99	17.68	17.66	17.67	
20	256QAM	50	0	17.68	17.72	17.72	
20	256QAM	50	24	17.56	17.71	17.59	18
20	256QAM	50	50	17.56	17.59	17.60	
20	256QAM	100	0	17.76	17.77	17.69	
Channel				132047	132322	132597	18
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.83	17.90	17.75	
15	QPSK	1	37	17.59	17.71	17.52	18
15	QPSK	1	74	17.57	17.73	17.62	



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15	QPSK	36	0	17.61	17.77	17.66	18
15	QPSK	36	20	17.60	17.68	17.67	
15	QPSK	36	39	17.64	17.66	17.71	
15	QPSK	75	0	17.68	17.61	17.60	18
15	16QAM	1	0	17.74	17.74	17.65	
15	16QAM	1	37	17.56	17.68	17.56	
15	16QAM	1	74	17.60	17.69	17.51	18
15	16QAM	36	0	17.72	17.73	17.72	
15	16QAM	36	20	17.68	17.74	17.69	
15	16QAM	36	39	17.54	17.60	17.57	18
15	16QAM	75	0	17.67	17.68	17.66	
15	64QAM	1	0	17.66	17.77	17.64	
15	64QAM	1	37	17.67	17.74	17.62	18
15	64QAM	1	74	17.55	17.60	17.55	
15	64QAM	36	0	17.62	17.68	17.75	
15	64QAM	36	20	17.65	17.74	17.78	18
15	64QAM	36	39	17.50	17.63	17.64	
15	64QAM	75	0	17.63	17.74	17.75	
15	256QAM	1	0	17.59	17.66	17.54	18
15	256QAM	1	37	17.61	17.57	17.56	
15	256QAM	1	74	17.58	17.61	17.58	
15	256QAM	36	0	17.65	17.65	17.62	18
15	256QAM	36	20	17.50	17.70	17.58	
15	256QAM	36	39	17.55	17.56	17.53	
15	256QAM	75	0	17.71	17.74	17.60	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	17.82	17.81	17.78	18
10	QPSK	1	25	17.66	17.64	17.60	
10	QPSK	1	49	17.61	17.68	17.63	
10	QPSK	25	0	17.68	17.71	17.75	18
10	QPSK	25	12	17.52	17.67	17.64	
10	QPSK	25	25	17.66	17.72	17.67	
10	QPSK	50	0	17.63	17.64	17.62	18
10	16QAM	1	0	17.74	17.79	17.64	
10	16QAM	1	25	17.59	17.60	17.62	
10	16QAM	1	49	17.66	17.61	17.51	18
10	16QAM	25	0	17.76	17.70	17.67	
10	16QAM	25	12	17.67	17.74	17.70	
10	16QAM	25	25	17.62	17.62	17.61	18
10	16QAM	50	0	17.70	17.72	17.74	
10	64QAM	1	0	17.71	17.86	17.69	
10	64QAM	1	25	17.70	17.69	17.63	18
10	64QAM	1	49	17.56	17.61	17.53	
10	64QAM	25	0	17.61	17.72	17.69	
10	64QAM	25	12	17.63	17.74	17.70	18
10	64QAM	25	25	17.53	17.63	17.61	
10	64QAM	50	0	17.70	17.71	17.74	
10	256QAM	1	0	17.52	17.73	17.57	18
10	256QAM	1	25	17.60	17.64	17.58	
10	256QAM	1	49	17.62	17.64	17.59	
10	256QAM	25	0	17.58	17.67	17.70	18
10	256QAM	25	12	17.52	17.61	17.56	
10	256QAM	25	25	17.51	17.54	17.52	
10	256QAM	50	0	17.69	17.70	17.61	
Channel				131997	132322	132647	



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Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	17.84	17.84	17.84	18
5	QPSK	1	12	17.64	17.67	17.51	
5	QPSK	1	24	17.54	17.67	17.59	
5	QPSK	12	0	17.68	17.68	17.68	18
5	QPSK	12	7	17.53	17.67	17.64	
5	QPSK	12	13	17.62	17.64	17.67	
5	QPSK	25	0	17.69	17.62	17.60	18
5	16QAM	1	0	17.71	17.74	17.65	
5	16QAM	1	12	17.65	17.65	17.62	
5	16QAM	1	24	17.68	17.68	17.59	18
5	16QAM	12	0	17.76	17.80	17.64	
5	16QAM	12	7	17.64	17.71	17.67	
5	16QAM	12	13	17.56	17.60	17.54	18
5	16QAM	25	0	17.65	17.62	17.66	
5	64QAM	1	0	17.73	17.78	17.68	
5	64QAM	1	12	17.71	17.72	17.64	18
5	64QAM	1	24	17.59	17.54	17.55	
5	64QAM	12	0	17.70	17.72	17.74	
5	64QAM	12	7	17.71	17.72	17.76	18
5	64QAM	12	13	17.53	17.68	17.66	
5	64QAM	25	0	17.63	17.78	17.71	
5	256QAM	1	0	17.60	17.75	17.61	18
5	256QAM	1	12	17.57	17.64	17.54	
5	256QAM	1	24	17.68	17.60	17.63	
5	256QAM	12	0	17.61	17.70	17.68	18
5	256QAM	12	7	17.56	17.63	17.59	
5	256QAM	12	13	17.54	17.58	17.54	
5	256QAM	25	0	17.70	17.72	17.67	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	17.77	17.90	17.79	18
3	QPSK	1	8	17.68	17.65	17.54	
3	QPSK	1	14	17.54	17.72	17.65	
3	QPSK	8	0	17.71	17.72	17.74	18
3	QPSK	8	4	17.61	17.63	17.73	
3	QPSK	8	7	17.63	17.69	17.71	
3	QPSK	15	0	17.68	17.68	17.54	18
3	16QAM	1	0	17.66	17.72	17.65	
3	16QAM	1	8	17.57	17.67	17.61	
3	16QAM	1	14	17.61	17.66	17.51	18
3	16QAM	8	0	17.76	17.79	17.72	
3	16QAM	8	4	17.65	17.78	17.67	
3	16QAM	8	7	17.60	17.62	17.54	18
3	16QAM	15	0	17.69	17.69	17.70	
3	64QAM	1	0	17.63	17.86	17.69	
3	64QAM	1	8	17.73	17.70	17.65	18
3	64QAM	1	14	17.57	17.61	17.51	
3	64QAM	8	0	17.60	17.68	17.76	
3	64QAM	8	4	17.67	17.69	17.69	18
3	64QAM	8	7	17.58	17.68	17.57	
3	64QAM	15	0	17.63	17.77	17.69	
3	256QAM	1	0	17.51	17.66	17.55	18
3	256QAM	1	8	17.64	17.67	17.54	
3	256QAM	1	14	17.62	17.65	17.66	
3	256QAM	8	0	17.60	17.66	17.63	18



3	256QAM	8	4	17.53	17.64	17.50	
3	256QAM	8	7	17.51	17.51	17.51	
3	256QAM	15	0	17.66	17.76	17.59	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	17.85	17.87	17.76	18
1.4	QPSK	1	3	17.59	17.64	17.50	
1.4	QPSK	1	5	17.61	17.70	17.61	
1.4	QPSK	3	0	17.66	17.78	17.75	
1.4	QPSK	3	1	17.55	17.68	17.65	
1.4	QPSK	3	3	17.61	17.70	17.71	18
1.4	QPSK	6	0	17.71	17.68	17.60	
1.4	16QAM	1	0	17.75	17.80	17.71	18
1.4	16QAM	1	3	17.62	17.63	17.61	
1.4	16QAM	1	5	17.59	17.63	17.52	
1.4	16QAM	3	0	17.76	17.70	17.66	
1.4	16QAM	3	1	17.67	17.75	17.68	
1.4	16QAM	3	3	17.57	17.68	17.59	18
1.4	16QAM	6	0	17.63	17.62	17.70	
1.4	64QAM	1	0	17.64	17.81	17.70	18
1.4	64QAM	1	3	17.70	17.68	17.63	
1.4	64QAM	1	5	17.58	17.61	17.54	
1.4	64QAM	3	0	17.69	17.71	17.74	
1.4	64QAM	3	1	17.61	17.73	17.73	
1.4	64QAM	3	3	17.55	17.69	17.64	18
1.4	64QAM	6	0	17.69	17.73	17.67	
1.4	256QAM	1	0	17.60	17.71	17.62	18
1.4	256QAM	1	3	17.58	17.63	17.61	
1.4	256QAM	1	5	17.62	17.61	17.62	
1.4	256QAM	3	0	17.58	17.69	17.65	
1.4	256QAM	3	1	17.50	17.62	17.50	
1.4	256QAM	3	3	17.50	17.52	17.55	18
1.4	256QAM	6	0	17.72	17.70	17.65	

FDD LTE Band 66_TX 1 (Index2/3)

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	23.88	23.81	23.58	24.8
20	QPSK	1	49	23.75	23.62	23.42	
20	QPSK	1	99	23.62	23.50	23.31	
20	QPSK	50	0	22.88	22.81	22.64	23.8
20	QPSK	50	24	22.85	22.74	22.60	
20	QPSK	50	50	22.80	22.67	22.53	
20	QPSK	100	0	22.84	22.74	22.60	23.8
20	16QAM	1	0	23.23	23.12	22.91	
20	16QAM	1	49	22.89	22.90	22.65	
20	16QAM	1	99	22.89	22.80	22.66	21.8
20	16QAM	50	0	20.91	20.80	20.64	
20	16QAM	50	24	20.88	20.75	20.62	
20	16QAM	50	50	20.81	20.68	20.58	21.8
20	16QAM	100	0	20.85	20.73	20.61	
20	64QAM	1	0	22.25	22.11	22.05	22.8
20	64QAM	1	49	22.10	21.98	21.90	



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20	64QAM	1	99	22.06	21.83	21.80	
20	64QAM	50	0	20.96	20.86	20.72	21.8
20	64QAM	50	24	20.92	20.81	20.68	
20	64QAM	50	50	20.85	20.71	20.62	
20	64QAM	100	0	20.87	20.74	20.63	
20	256QAM	1	0	18.50	18.45	18.48	19.8
20	256QAM	1	49	18.47	18.49	18.51	
20	256QAM	1	99	18.48	18.45	18.45	
20	256QAM	50	0	17.24	17.23	17.18	18.8
20	256QAM	50	24	17.27	17.32	17.30	
20	256QAM	50	50	17.25	17.26	17.20	
20	256QAM	100	0	17.19	17.23	17.21	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.83	23.67	23.51	24.8
15	QPSK	1	37	23.71	23.56	23.33	
15	QPSK	1	74	23.70	23.51	23.23	
15	QPSK	36	0	22.84	22.71	22.59	23.8
15	QPSK	36	20	22.79	22.65	22.54	
15	QPSK	36	39	22.76	22.61	22.51	
15	QPSK	75	0	22.80	22.67	22.55	
15	16QAM	1	0	23.08	23.04	22.98	23.8
15	16QAM	1	37	22.96	22.84	22.78	
15	16QAM	1	74	22.96	22.84	22.80	
15	16QAM	36	0	20.83	20.71	20.60	21.8
15	16QAM	36	20	20.77	20.65	20.54	
15	16QAM	36	39	20.74	20.61	20.52	
15	16QAM	75	0	20.79	20.64	20.54	
15	64QAM	1	0	22.10	21.94	21.76	22.8
15	64QAM	1	37	21.88	21.76	21.65	
15	64QAM	1	74	21.85	21.72	21.69	
15	64QAM	36	0	20.82	20.71	20.59	21.8
15	64QAM	36	20	20.79	20.65	20.55	
15	64QAM	36	39	20.73	20.59	20.53	
15	64QAM	75	0	20.75	20.64	20.53	
15	256QAM	1	0	18.43	18.41	18.45	19.8
15	256QAM	1	37	18.47	18.44	18.41	
15	256QAM	1	74	18.38	18.37	18.42	
15	256QAM	36	0	17.14	17.21	17.16	18.8
15	256QAM	36	20	17.21	17.27	17.27	
15	256QAM	36	39	17.22	17.18	17.10	
15	256QAM	75	0	17.18	17.15	17.14	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.63	23.54	23.40	24.8
10	QPSK	1	25	23.39	23.31	23.19	
10	QPSK	1	49	23.52	23.40	23.28	
10	QPSK	25	0	22.70	22.58	22.44	23.8
10	QPSK	25	12	22.70	22.54	22.43	
10	QPSK	25	25	22.69	22.52	22.41	
10	QPSK	50	0	22.70	22.56	22.42	
10	16QAM	1	0	23.02	22.87	22.71	23.8
10	16QAM	1	25	22.76	22.73	22.57	
10	16QAM	1	49	22.80	22.68	22.59	
10	16QAM	25	0	20.75	20.61	20.48	21.8
10	16QAM	25	12	20.73	20.56	20.46	



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10	16QAM	25	25	20.71	20.53	20.44	
10	16QAM	50	0	20.67	20.52	20.40	
10	64QAM	1	0	21.95	21.75	21.59	22.8
10	64QAM	1	25	21.89	21.58	21.57	
10	64QAM	1	49	21.83	21.65	21.53	
10	64QAM	25	0	20.72	20.55	20.44	21.8
10	64QAM	25	12	20.66	20.52	20.42	
10	64QAM	25	25	20.66	20.50	20.40	
10	64QAM	50	0	20.69	20.52	20.42	
10	256QAM	1	0	18.50	18.39	18.38	19.8
10	256QAM	1	25	18.43	18.45	18.48	
10	256QAM	1	49	18.45	18.38	18.39	
10	256QAM	25	0	17.21	17.21	17.17	18.8
10	256QAM	25	12	17.21	17.22	17.22	
10	256QAM	25	25	17.19	17.25	17.12	
10	256QAM	50	0	17.18	17.17	17.13	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.70	23.55	23.44	24.8
5	QPSK	1	12	23.64	23.49	23.39	
5	QPSK	1	24	23.69	23.55	23.44	
5	QPSK	12	0	22.73	22.60	22.49	23.8
5	QPSK	12	7	22.75	22.58	22.49	
5	QPSK	12	13	22.72	22.54	22.46	
5	QPSK	25	0	22.73	22.58	22.46	
5	16QAM	1	0	23.05	22.93	22.83	23.8
5	16QAM	1	12	22.87	22.78	22.75	
5	16QAM	1	24	23.00	22.83	22.77	
5	16QAM	12	0	20.79	20.62	20.52	21.8
5	16QAM	12	7	20.75	20.58	20.51	
5	16QAM	12	13	20.73	20.57	20.51	
5	16QAM	25	0	20.71	20.59	20.48	
5	64QAM	1	0	21.86	21.80	21.71	
5	64QAM	1	12	21.74	21.73	21.49	22.8
5	64QAM	1	24	21.80	21.68	21.62	
5	64QAM	12	0	20.74	20.59	20.55	
5	64QAM	12	7	20.73	20.58	20.47	21.8
5	64QAM	12	13	20.71	20.57	20.46	
5	64QAM	25	0	20.71	20.56	20.46	
5	256QAM	1	0	18.43	18.36	18.44	
5	256QAM	1	12	18.37	18.39	18.47	19.8
5	256QAM	1	24	18.45	18.44	18.43	
5	256QAM	12	0	17.15	17.20	17.13	
5	256QAM	12	7	17.25	17.22	17.24	18.8
5	256QAM	12	13	17.16	17.23	17.12	
5	256QAM	25	0	17.16	17.16	17.12	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.79	23.63	23.49	24.8
3	QPSK	1	8	23.65	23.48	23.36	
3	QPSK	1	14	23.75	23.57	23.46	
3	QPSK	8	0	22.74	22.58	22.46	23.8
3	QPSK	8	4	22.76	22.59	22.44	
3	QPSK	8	7	22.73	22.55	22.44	
3	QPSK	15	0	22.71	22.55	22.43	
3	16QAM	1	0	23.07	22.89	22.76	23.8



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3	16QAM	1	8	22.96	22.76	22.62	21.8
3	16QAM	1	14	23.05	22.87	22.72	
3	16QAM	8	0	20.75	20.56	20.45	
3	16QAM	8	4	20.75	20.55	20.46	
3	16QAM	8	7	20.76	20.56	20.49	
3	16QAM	15	0	20.72	20.50	20.42	
3	64QAM	1	0	21.92	21.70	21.64	22.8
3	64QAM	1	8	21.84	21.64	21.51	
3	64QAM	1	14	21.88	21.67	21.58	
3	64QAM	8	0	20.72	20.52	20.41	21.8
3	64QAM	8	4	20.68	20.51	20.40	
3	64QAM	8	7	20.75	20.57	20.49	
3	64QAM	15	0	20.72	20.52	20.43	
3	256QAM	1	0	18.45	18.45	18.43	19.8
3	256QAM	1	8	18.42	18.39	18.45	
3	256QAM	1	14	18.47	18.35	18.37	
3	256QAM	8	0	17.18	17.21	17.14	18.8
3	256QAM	8	4	17.22	17.27	17.26	
3	256QAM	8	7	17.24	17.17	17.17	
3	256QAM	15	0	17.09	17.21	17.16	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.75	23.59	23.45	24.8
1.4	QPSK	1	3	23.64	23.46	23.39	
1.4	QPSK	1	5	23.76	23.59	23.46	
1.4	QPSK	3	0	23.67	23.48	23.36	
1.4	QPSK	3	1	23.78	23.54	23.52	
1.4	QPSK	3	3	23.65	23.64	23.45	
1.4	QPSK	6	0	22.78	22.58	22.51	23.8
1.4	16QAM	1	0	23.01	22.75	22.89	23.8
1.4	16QAM	1	3	22.80	22.73	22.72	
1.4	16QAM	1	5	22.99	22.80	22.84	
1.4	16QAM	3	0	22.79	22.61	22.58	
1.4	16QAM	3	1	22.84	22.55	22.64	
1.4	16QAM	3	3	22.77	22.66	22.52	
1.4	16QAM	6	0	20.80	20.59	20.61	21.8
1.4	64QAM	1	0	21.89	21.71	21.77	22.8
1.4	64QAM	1	3	21.93	21.57	21.71	
1.4	64QAM	1	5	21.92	21.68	21.77	
1.4	64QAM	3	0	21.73	21.54	21.58	
1.4	64QAM	3	1	21.81	21.64	21.61	
1.4	64QAM	3	3	21.86	21.65	21.67	
1.4	64QAM	6	0	20.67	20.51	20.41	21.8
1.4	256QAM	1	0	18.50	18.39	18.41	19.8
1.4	256QAM	1	3	18.47	18.45	18.43	
1.4	256QAM	1	5	18.40	18.41	18.37	
1.4	256QAM	3	0	18.50	18.38	18.32	
1.4	256QAM	3	1	18.37	18.36	18.38	
1.4	256QAM	3	3	18.40	18.32	18.32	
1.4	256QAM	6	0	17.17	17.21	17.14	18.8



FDD LTE Band 66_TX 1 (Index2)

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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	25.08	25.02	24.78	25.3
20	QPSK	1	49	24.96	24.90	24.61	
20	QPSK	1	99	24.76	24.80	24.47	
20	QPSK	50	0	24.02	23.96	23.65	24.3
20	QPSK	50	24	23.89	23.91	23.64	
20	QPSK	50	50	23.93	23.87	23.61	
20	QPSK	100	0	23.93	23.92	23.66	24.3
20	16QAM	1	0	24.19	24.23	23.98	
20	16QAM	1	49	24.00	24.03	23.72	
20	16QAM	1	99	23.99	23.99	23.67	23.3
20	16QAM	50	0	22.91	22.91	22.65	
20	16QAM	50	24	22.83	22.87	22.63	
20	16QAM	50	50	22.85	22.85	22.55	23.3
20	16QAM	100	0	22.96	22.91	22.65	
20	64QAM	1	0	23.17	23.14	22.80	
20	64QAM	1	49	22.94	22.92	22.68	
20	64QAM	1	99	22.89	22.87	22.59	
20	64QAM	50	0	21.98	21.93	21.67	22.3
20	64QAM	50	24	21.90	21.92	21.62	
20	64QAM	50	50	21.84	21.83	21.59	
20	64QAM	100	0	21.94	21.88	21.63	20.3
20	256QAM	1	0	20.07	20.07	19.82	
20	256QAM	1	49	19.94	19.91	19.65	
20	256QAM	1	99	19.90	19.85	19.54	20.3
20	256QAM	50	0	19.98	19.93	19.62	
20	256QAM	50	24	19.90	19.86	19.59	
20	256QAM	50	50	19.76	19.78	19.45	20.3
20	256QAM	100	0	19.84	19.83	19.59	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	25.03	24.97	24.68	25.3
15	QPSK	1	37	24.87	24.76	24.53	
15	QPSK	1	74	24.72	24.65	24.35	
15	QPSK	36	0	23.90	23.87	23.56	24.3
15	QPSK	36	20	23.73	23.87	23.53	
15	QPSK	36	39	23.80	23.77	23.45	
15	QPSK	75	0	23.76	23.84	23.48	24.3
15	16QAM	1	0	24.01	24.08	23.82	
15	16QAM	1	37	23.82	23.92	23.58	
15	16QAM	1	74	23.92	23.88	23.65	23.3
15	16QAM	36	0	22.75	22.78	22.48	
15	16QAM	36	20	22.72	22.87	22.57	
15	16QAM	36	39	22.71	22.75	22.55	23.3
15	16QAM	75	0	22.80	22.89	22.59	
15	64QAM	1	0	23.17	23.09	22.77	
15	64QAM	1	37	22.79	22.83	22.53	
15	64QAM	1	74	22.85	22.71	22.41	
15	64QAM	36	0	21.78	21.76	21.60	22.3
15	64QAM	36	20	21.84	21.74	21.50	
15	64QAM	36	39	21.66	21.82	21.42	



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15	64QAM	75	0	21.93	21.77	21.56	
15	256QAM	1	0	19.89	20.01	19.78	20.3
15	256QAM	1	37	19.86	19.73	19.62	
15	256QAM	1	74	19.77	19.73	19.47	
15	256QAM	36	0	19.86	19.88	19.61	20.3
15	256QAM	36	20	19.87	19.76	19.39	
15	256QAM	36	39	19.61	19.64	19.31	
15	256QAM	75	0	19.84	19.63	19.50	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.89	24.94	24.74	25.3
10	QPSK	1	25	24.87	24.80	24.58	
10	QPSK	1	49	24.60	24.71	24.37	
10	QPSK	25	0	23.87	23.85	23.55	24.3
10	QPSK	25	12	23.77	23.72	23.60	
10	QPSK	25	25	23.86	23.84	23.49	
10	QPSK	50	0	23.89	23.79	23.58	
10	16QAM	1	0	24.06	24.08	23.92	24.3
10	16QAM	1	25	23.96	23.89	23.68	
10	16QAM	1	49	23.96	23.96	23.66	
10	16QAM	25	0	22.71	22.76	22.47	23.3
10	16QAM	25	12	22.81	22.76	22.51	
10	16QAM	25	25	22.65	22.83	22.41	
10	16QAM	50	0	22.84	22.80	22.53	
10	64QAM	1	0	23.00	23.07	22.72	23.3
10	64QAM	1	25	22.78	22.79	22.53	
10	64QAM	1	49	22.81	22.69	22.46	
10	64QAM	25	0	21.80	21.90	21.67	22.3
10	64QAM	25	12	21.71	21.85	21.52	
10	64QAM	25	25	21.82	21.66	21.53	
10	64QAM	50	0	21.75	21.75	21.62	
10	256QAM	1	0	19.92	20.03	19.74	20.3
10	256QAM	1	25	19.80	19.72	19.65	
10	256QAM	1	49	19.90	19.66	19.43	
10	256QAM	25	0	19.84	19.75	19.47	20.3
10	256QAM	25	12	19.76	19.68	19.44	
10	256QAM	25	25	19.75	19.66	19.39	
10	256QAM	50	0	19.79	19.79	19.47	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.97	24.83	24.66	25.3
5	QPSK	1	12	24.84	24.89	24.51	
5	QPSK	1	24	24.72	24.78	24.41	
5	QPSK	12	0	23.84	23.78	23.60	24.3
5	QPSK	12	7	23.85	23.73	23.53	
5	QPSK	12	13	23.82	23.75	23.49	
5	QPSK	25	0	23.73	23.73	23.59	
5	16QAM	1	0	24.06	24.20	23.98	24.3
5	16QAM	1	12	23.96	23.98	23.57	
5	16QAM	1	24	23.83	23.89	23.56	
5	16QAM	12	0	22.86	22.86	22.59	23.3
5	16QAM	12	7	22.69	22.82	22.49	
5	16QAM	12	13	22.65	22.82	22.36	
5	16QAM	25	0	22.94	22.84	22.65	
5	64QAM	1	0	22.99	23.03	22.80	23.3
5	64QAM	1	12	22.85	22.81	22.63	



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5	64QAM	1	24	22.87	22.74	22.45	
5	64QAM	12	0	21.82	21.91	21.60	22.3
5	64QAM	12	7	21.82	21.74	21.58	
5	64QAM	12	13	21.80	21.70	21.39	
5	64QAM	25	0	21.81	21.69	21.53	
5	256QAM	1	0	19.96	20.07	19.79	20.3
5	256QAM	1	12	19.92	19.79	19.57	
5	256QAM	1	24	19.78	19.72	19.36	
5	256QAM	12	0	19.89	19.92	19.55	20.3
5	256QAM	12	7	19.72	19.68	19.54	
5	256QAM	12	13	19.70	19.71	19.38	
5	256QAM	25	0	19.74	19.65	19.59	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	25.03	24.88	24.60	25.3
3	QPSK	1	8	24.80	24.79	24.56	
3	QPSK	1	14	24.62	24.69	24.43	
3	QPSK	8	0	23.91	23.77	23.56	24.3
3	QPSK	8	4	23.70	23.77	23.57	
3	QPSK	8	7	23.93	23.70	23.46	
3	QPSK	15	0	23.91	23.78	23.54	
3	16QAM	1	0	24.09	24.05	23.97	24.3
3	16QAM	1	8	23.84	23.92	23.52	
3	16QAM	1	14	23.83	23.90	23.52	
3	16QAM	8	0	22.74	22.76	22.56	23.3
3	16QAM	8	4	22.79	22.81	22.46	
3	16QAM	8	7	22.65	22.68	22.39	
3	16QAM	15	0	22.82	22.77	22.64	
3	64QAM	1	0	22.98	23.06	22.71	23.3
3	64QAM	1	8	22.75	22.83	22.53	
3	64QAM	1	14	22.79	22.67	22.59	
3	64QAM	8	0	21.92	21.86	21.50	22.3
3	64QAM	8	4	21.82	21.81	21.47	
3	64QAM	8	7	21.80	21.75	21.53	
3	64QAM	15	0	21.92	21.88	21.51	
3	256QAM	1	0	19.88	19.96	19.64	20.3
3	256QAM	1	8	19.76	19.83	19.60	
3	256QAM	1	14	19.90	19.80	19.50	
3	256QAM	8	0	19.83	19.81	19.43	20.3
3	256QAM	8	4	19.87	19.72	19.56	
3	256QAM	8	7	19.57	19.64	19.36	
3	256QAM	15	0	19.66	19.67	19.40	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	25.02	24.97	24.59	25.3
1.4	QPSK	1	3	24.85	24.77	24.49	
1.4	QPSK	1	5	24.72	24.75	24.43	
1.4	QPSK	3	0	25.06	24.92	24.58	
1.4	QPSK	3	1	24.93	24.89	24.58	
1.4	QPSK	3	3	24.61	24.78	24.34	
1.4	QPSK	6	0	23.82	23.81	23.63	24.3
1.4	16QAM	1	0	23.88	23.90	23.58	24.3
1.4	16QAM	1	3	23.74	23.83	23.49	
1.4	16QAM	1	5	23.84	23.75	23.55	
1.4	16QAM	3	0	24.13	24.22	23.79	
1.4	16QAM	3	1	23.86	23.94	23.57	



1.4	16QAM	3	3	23.97	23.92	23.56	
1.4	16QAM	6	0	22.81	22.90	22.61	23.3
1.4	64QAM	1	0	22.79	22.71	22.52	23.3
1.4	64QAM	1	3	22.81	22.68	22.51	
1.4	64QAM	1	5	22.78	22.82	22.46	
1.4	64QAM	3	0	23.05	23.11	22.75	
1.4	64QAM	3	1	22.90	22.92	22.66	
1.4	64QAM	3	3	22.74	22.77	22.51	
1.4	64QAM	6	0	21.89	21.87	21.54	22.3
1.4	256QAM	1	0	20.07	20.06	19.75	20.3
1.4	256QAM	1	3	19.92	19.84	19.53	
1.4	256QAM	1	5	19.71	19.81	19.52	
1.4	256QAM	3	0	19.83	19.82	19.43	
1.4	256QAM	3	1	19.75	19.73	19.48	
1.4	256QAM	3	3	19.67	19.75	19.35	
1.4	256QAM	6	0	19.81	19.80	19.49	20.3

FDD LTE Band 66_TX 1 (Index3)

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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	25.08	25.02	24.78	
20	QPSK	1	49	24.96	24.90	24.61	
20	QPSK	1	99	24.76	24.80	24.47	
20	QPSK	50	0	24.02	23.96	23.65	24.3
20	QPSK	50	24	23.89	23.91	23.64	
20	QPSK	50	50	23.93	23.87	23.61	
20	QPSK	100	0	23.93	23.92	23.66	24.3
20	16QAM	1	0	24.19	24.23	23.98	
20	16QAM	1	49	24.00	24.03	23.72	
20	16QAM	1	99	23.99	23.99	23.67	23.3
20	16QAM	50	0	22.91	22.91	22.65	
20	16QAM	50	24	22.83	22.87	22.63	
20	16QAM	50	50	22.85	22.85	22.55	23.3
20	16QAM	100	0	22.96	22.91	22.65	
20	64QAM	1	0	23.17	23.14	22.80	
20	64QAM	1	49	22.94	22.92	22.68	
20	64QAM	1	99	22.89	22.87	22.59	
20	64QAM	50	0	21.98	21.93	21.67	22.3
20	64QAM	50	24	21.90	21.92	21.62	
20	64QAM	50	50	21.84	21.83	21.59	
20	64QAM	100	0	21.94	21.88	21.63	20.3
20	256QAM	1	0	20.07	20.07	19.82	
20	256QAM	1	49	19.94	19.91	19.65	
20	256QAM	1	99	19.90	19.85	19.54	20.3
20	256QAM	50	0	19.98	19.93	19.62	
20	256QAM	50	24	19.90	19.86	19.59	
20	256QAM	50	50	19.76	19.78	19.45	20.3
20	256QAM	100	0	19.84	19.83	19.59	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	25.03	24.97	24.68	25.1
15	QPSK	1	37	24.87	24.76	24.53	
15	QPSK	1	74	24.72	24.65	24.35	



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15	QPSK	36	0	23.90	23.87	23.56	24.3
15	QPSK	36	20	23.73	23.87	23.53	
15	QPSK	36	39	23.80	23.77	23.45	
15	QPSK	75	0	23.76	23.84	23.48	24.3
15	16QAM	1	0	24.01	24.08	23.82	
15	16QAM	1	37	23.82	23.92	23.58	
15	16QAM	1	74	23.92	23.88	23.65	23.3
15	16QAM	36	0	22.75	22.78	22.48	
15	16QAM	36	20	22.72	22.87	22.57	
15	16QAM	36	39	22.71	22.75	22.55	23.3
15	16QAM	75	0	22.80	22.89	22.59	
15	64QAM	1	0	23.17	23.09	22.77	
15	64QAM	1	37	22.79	22.83	22.53	22.3
15	64QAM	1	74	22.85	22.71	22.41	
15	64QAM	36	0	21.78	21.76	21.60	
15	64QAM	36	20	21.84	21.74	21.50	20.3
15	64QAM	36	39	21.66	21.82	21.42	
15	64QAM	75	0	21.93	21.77	21.56	
15	256QAM	1	0	19.89	20.01	19.78	20.3
15	256QAM	1	37	19.86	19.73	19.62	
15	256QAM	1	74	19.77	19.73	19.47	
15	256QAM	36	0	19.86	19.88	19.61	20.3
15	256QAM	36	20	19.87	19.76	19.39	
15	256QAM	36	39	19.61	19.64	19.31	
15	256QAM	75	0	19.84	19.63	19.50	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.89	24.94	24.74	25.1
10	QPSK	1	25	24.87	24.80	24.58	
10	QPSK	1	49	24.60	24.71	24.37	
10	QPSK	25	0	23.87	23.85	23.55	24.3
10	QPSK	25	12	23.77	23.72	23.60	
10	QPSK	25	25	23.86	23.84	23.49	
10	QPSK	50	0	23.89	23.79	23.58	24.3
10	16QAM	1	0	24.06	24.08	23.92	
10	16QAM	1	25	23.96	23.89	23.68	
10	16QAM	1	49	23.96	23.96	23.66	23.3
10	16QAM	25	0	22.71	22.76	22.47	
10	16QAM	25	12	22.81	22.76	22.51	
10	16QAM	25	25	22.65	22.83	22.41	23.3
10	16QAM	50	0	22.84	22.80	22.53	
10	64QAM	1	0	23.00	23.07	22.72	
10	64QAM	1	25	22.78	22.79	22.53	23.3
10	64QAM	1	49	22.81	22.69	22.46	
10	64QAM	25	0	21.80	21.90	21.67	
10	64QAM	25	12	21.71	21.85	21.52	22.3
10	64QAM	25	25	21.82	21.66	21.53	
10	64QAM	50	0	21.75	21.75	21.62	
10	256QAM	1	0	19.92	20.03	19.74	20.3
10	256QAM	1	25	19.80	19.72	19.65	
10	256QAM	1	49	19.90	19.66	19.43	
10	256QAM	25	0	19.84	19.75	19.47	20.3
10	256QAM	25	12	19.76	19.68	19.44	
10	256QAM	25	25	19.75	19.66	19.39	
10	256QAM	50	0	19.79	19.79	19.47	
Channel				131997	132322	132647	



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Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.97	24.83	24.66	25.1
5	QPSK	1	12	24.84	24.89	24.51	
5	QPSK	1	24	24.72	24.78	24.41	
5	QPSK	12	0	23.84	23.78	23.60	24.3
5	QPSK	12	7	23.85	23.73	23.53	
5	QPSK	12	13	23.82	23.75	23.49	
5	QPSK	25	0	23.73	23.73	23.59	24.3
5	16QAM	1	0	24.06	24.20	23.98	
5	16QAM	1	12	23.96	23.98	23.57	
5	16QAM	1	24	23.83	23.89	23.56	23.3
5	16QAM	12	0	22.86	22.86	22.59	
5	16QAM	12	7	22.69	22.82	22.49	
5	16QAM	12	13	22.65	22.82	22.36	23.3
5	16QAM	25	0	22.94	22.84	22.65	
5	64QAM	1	0	22.99	23.03	22.80	
5	64QAM	1	12	22.85	22.81	22.63	23.3
5	64QAM	1	24	22.87	22.74	22.45	
5	64QAM	12	0	21.82	21.91	21.60	
5	64QAM	12	7	21.82	21.74	21.58	22.3
5	64QAM	12	13	21.80	21.70	21.39	
5	64QAM	25	0	21.81	21.69	21.53	
5	256QAM	1	0	19.96	20.07	19.79	20.3
5	256QAM	1	12	19.92	19.79	19.57	
5	256QAM	1	24	19.78	19.72	19.36	
5	256QAM	12	0	19.89	19.92	19.55	20.3
5	256QAM	12	7	19.72	19.68	19.54	
5	256QAM	12	13	19.70	19.71	19.38	
5	256QAM	25	0	19.74	19.65	19.59	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	25.03	24.88	24.60	25.1
3	QPSK	1	8	24.80	24.79	24.56	
3	QPSK	1	14	24.62	24.69	24.43	
3	QPSK	8	0	23.91	23.77	23.56	24.3
3	QPSK	8	4	23.70	23.77	23.57	
3	QPSK	8	7	23.93	23.70	23.46	
3	QPSK	15	0	23.91	23.78	23.54	24.3
3	16QAM	1	0	24.09	24.05	23.97	
3	16QAM	1	8	23.84	23.92	23.52	
3	16QAM	1	14	23.83	23.90	23.52	23.3
3	16QAM	8	0	22.74	22.76	22.56	
3	16QAM	8	4	22.79	22.81	22.46	
3	16QAM	8	7	22.65	22.68	22.39	23.3
3	16QAM	15	0	22.82	22.77	22.64	
3	64QAM	1	0	22.98	23.06	22.71	
3	64QAM	1	8	22.75	22.83	22.53	23.3
3	64QAM	1	14	22.79	22.67	22.59	
3	64QAM	8	0	21.92	21.86	21.50	
3	64QAM	8	4	21.82	21.81	21.47	22.3
3	64QAM	8	7	21.80	21.75	21.53	
3	64QAM	15	0	21.92	21.88	21.51	
3	256QAM	1	0	19.88	19.96	19.64	20.3
3	256QAM	1	8	19.76	19.83	19.60	
3	256QAM	1	14	19.90	19.80	19.50	
3	256QAM	8	0	19.83	19.81	19.43	20.3



3	256QAM	8	4	19.87	19.72	19.56	
3	256QAM	8	7	19.57	19.64	19.36	
3	256QAM	15	0	19.66	19.67	19.40	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	25.02	24.97	24.59	25.1
1.4	QPSK	1	3	24.85	24.77	24.49	
1.4	QPSK	1	5	24.72	24.75	24.43	
1.4	QPSK	3	0	25.06	24.92	24.58	
1.4	QPSK	3	1	24.93	24.89	24.58	
1.4	QPSK	3	3	24.61	24.78	24.34	24.3
1.4	QPSK	6	0	23.82	23.81	23.63	
1.4	16QAM	1	0	23.88	23.90	23.58	24.3
1.4	16QAM	1	3	23.74	23.83	23.49	
1.4	16QAM	1	5	23.84	23.75	23.55	
1.4	16QAM	3	0	24.13	24.22	23.79	
1.4	16QAM	3	1	23.86	23.94	23.57	
1.4	16QAM	3	3	23.97	23.92	23.56	23.3
1.4	16QAM	6	0	22.81	22.90	22.61	
1.4	64QAM	1	0	22.79	22.71	22.52	23.3
1.4	64QAM	1	3	22.81	22.68	22.51	
1.4	64QAM	1	5	22.78	22.82	22.46	
1.4	64QAM	3	0	23.05	23.11	22.75	
1.4	64QAM	3	1	22.90	22.92	22.66	
1.4	64QAM	3	3	22.74	22.77	22.51	22.3
1.4	64QAM	6	0	21.89	21.87	21.54	
1.4	256QAM	1	0	20.07	20.06	19.75	20.3
1.4	256QAM	1	3	19.92	19.84	19.53	
1.4	256QAM	1	5	19.71	19.81	19.52	
1.4	256QAM	3	0	19.83	19.82	19.43	
1.4	256QAM	3	1	19.75	19.73	19.48	
1.4	256QAM	3	3	19.67	19.75	19.35	
1.4	256QAM	6	0	19.81	19.80	19.49	20.3

FDD LTE Band 71_TX 0 (Index2/3)

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				133222	133297	133372	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	25.00	24.96	24.91	25.5
20	QPSK	1	49	24.82	24.74	24.58	
20	QPSK	1	99	24.72	24.66	24.59	
20	QPSK	50	0	23.95	23.82	23.81	24.5
20	QPSK	50	24	23.90	23.78	23.75	
20	QPSK	50	50	23.83	23.73	23.72	
20	QPSK	100	0	23.90	23.76	23.73	24.5
20	16QAM	1	0	24.21	24.04	24.22	
20	16QAM	1	49	24.14	23.79	24.04	
20	16QAM	1	99	24.13	23.94	23.83	23.5
20	16QAM	50	0	22.97	22.88	22.87	
20	16QAM	50	24	22.91	22.87	22.84	
20	16QAM	50	50	22.88	22.83	22.77	23.5
20	16QAM	100	0	22.88	22.82	22.80	
20	64QAM	1	0	23.05	23.10	23.24	
20	64QAM	1	49	23.03	23.03	23.11	23.5



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20	64QAM	1	99	23.00	22.96	23.00	
20	64QAM	50	0	21.98	21.96	21.93	22.5
20	64QAM	50	24	21.98	21.89	21.89	
20	64QAM	50	50	21.93	21.85	21.82	
20	64QAM	100	0	21.91	21.84	21.81	
20	256QAM	1	0	19.88	19.93	20.02	20.5
20	256QAM	1	49	19.65	19.79	19.85	
20	256QAM	1	99	19.64	19.70	19.79	
20	256QAM	50	0	19.66	19.75	19.76	20.5
20	256QAM	50	24	19.56	19.67	19.72	
20	256QAM	50	50	19.47	19.52	19.57	
20	256QAM	100	0	19.65	19.74	19.75	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.96	24.81	24.79	25.5
15	QPSK	1	37	24.84	24.69	24.65	
15	QPSK	1	74	24.82	24.67	24.70	
15	QPSK	36	0	24.01	23.94	23.92	24.5
15	QPSK	36	20	23.99	23.92	23.88	
15	QPSK	36	39	23.93	23.85	23.84	
15	QPSK	75	0	23.93	23.83	23.83	
15	16QAM	1	0	24.37	24.22	24.31	24.5
15	16QAM	1	37	24.07	24.12	24.27	
15	16QAM	1	74	24.21	24.03	24.10	
15	16QAM	36	0	23.01	22.93	22.96	23.5
15	16QAM	36	20	22.99	22.96	22.92	
15	16QAM	36	39	22.98	22.91	22.86	
15	16QAM	75	0	23.00	22.93	22.89	
15	64QAM	1	0	23.27	23.05	23.06	23.5
15	64QAM	1	37	23.13	22.82	23.02	
15	64QAM	1	74	23.04	22.92	22.88	
15	64QAM	36	0	22.02	22.00	22.00	22.5
15	64QAM	36	20	22.05	21.96	21.95	
15	64QAM	36	39	22.03	21.95	21.93	
15	64QAM	75	0	22.00	21.89	21.91	
15	256QAM	1	0	20.24	20.30	20.26	20.5
15	256QAM	1	37	20.15	20.08	19.93	
15	256QAM	1	74	19.98	19.86	19.77	
15	256QAM	36	0	20.10	19.95	19.94	20.5
15	256QAM	36	20	19.91	19.86	19.82	
15	256QAM	36	39	19.84	19.69	19.73	
15	256QAM	75	0	19.96	19.95	19.85	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.98	24.99	24.95	25.5
10	QPSK	1	25	24.98	24.86	24.77	
10	QPSK	1	49	24.99	24.85	24.83	
10	QPSK	25	0	24.00	23.91	23.91	24.5
10	QPSK	25	12	23.98	23.92	23.90	
10	QPSK	25	25	23.96	23.86	23.89	
10	QPSK	50	0	24.02	23.92	23.92	
10	16QAM	1	0	24.19	24.23	24.16	24.5
10	16QAM	1	25	24.14	24.22	24.18	
10	16QAM	1	49	24.27	24.24	24.12	
10	16QAM	25	0	22.99	22.98	22.97	23.5
10	16QAM	25	12	22.99	22.97	22.96	



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10	16QAM	25	25	22.99	22.94	22.93	
10	16QAM	50	0	23.02	22.96	22.97	
10	64QAM	1	0	23.22	23.19	23.02	23.5
10	64QAM	1	25	23.11	23.23	23.14	
10	64QAM	1	49	23.15	23.15	23.01	
10	64QAM	25	0	22.05	22.01	21.97	22.5
10	64QAM	25	12	22.01	21.96	21.97	
10	64QAM	25	25	22.01	21.96	21.98	
10	64QAM	50	0	22.06	22.03	22.03	
10	256QAM	1	0	20.13	20.20	20.19	20.5
10	256QAM	1	25	20.00	19.99	19.95	
10	256QAM	1	49	19.78	19.93	19.75	
10	256QAM	25	0	20.03	20.06	19.95	20.5
10	256QAM	25	12	19.92	19.82	19.84	
10	256QAM	25	25	19.87	19.74	19.82	
10	256QAM	50	0	19.94	19.94	19.84	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.95	24.96	24.90	25.5
5	QPSK	1	12	24.89	24.88	24.83	
5	QPSK	1	24	24.99	24.91	24.85	
5	QPSK	12	0	24.02	23.98	23.95	24.5
5	QPSK	12	7	24.01	24.00	23.96	
5	QPSK	12	13	24.02	23.98	23.92	
5	QPSK	25	0	23.95	23.94	23.87	
5	16QAM	1	0	24.46	24.34	24.32	24.5
5	16QAM	1	12	24.33	24.26	24.20	
5	16QAM	1	24	24.40	24.36	24.22	
5	16QAM	12	0	23.04	23.06	23.01	23.5
5	16QAM	12	7	23.10	23.08	23.00	
5	16QAM	12	13	23.11	23.04	22.97	
5	16QAM	25	0	23.02	22.99	22.95	
5	64QAM	1	0	23.23	23.16	23.18	23.5
5	64QAM	1	12	23.16	23.08	23.07	
5	64QAM	1	24	23.17	23.11	22.96	
5	64QAM	12	0	22.08	22.07	22.04	22.5
5	64QAM	12	7	22.11	22.07	21.99	
5	64QAM	12	13	22.12	22.08	21.93	
5	64QAM	25	0	22.04	21.99	21.94	
5	256QAM	1	0	19.98	19.99	19.96	20.5
5	256QAM	1	12	20.04	19.85	19.90	
5	256QAM	1	24	19.96	19.84	19.85	
5	256QAM	12	0	19.95	19.97	19.82	20.5
5	256QAM	12	7	19.95	19.85	19.82	
5	256QAM	12	13	19.92	19.84	19.82	
5	256QAM	25	0	19.94	19.85	19.80	



FDD LTE Band 71_TX 1 (Index2)

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				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.36	23.37	23.02	25
20	QPSK	1	49	23.23	23.08	23.02	
20	QPSK	1	99	23.31	23.15	23.03	
20	QPSK	50	0	23.32	23.32	22.83	24.5
20	QPSK	50	24	23.31	23.17	22.83	
20	QPSK	50	50	23.30	23.14	22.83	
20	QPSK	100	0	23.23	23.10	22.76	24.5
20	16QAM	1	0	23.23	23.17	23.21	
20	16QAM	1	49	23.22	23.15	23.12	
20	16QAM	1	99	23.24	23.25	23.18	23.5
20	16QAM	50	0	22.87	22.69	22.39	
20	16QAM	50	24	22.88	22.70	22.41	
20	16QAM	50	50	22.88	22.70	22.39	23.5
20	16QAM	100	0	22.78	22.65	22.32	
20	64QAM	1	0	23.01	22.85	22.53	
20	64QAM	1	49	22.94	22.71	22.47	23.5
20	64QAM	1	99	23.06	22.80	22.49	
20	64QAM	50	0	21.86	21.68	21.45	
20	64QAM	50	24	21.93	21.73	21.47	22.5
20	64QAM	50	50	21.94	21.70	21.43	
20	64QAM	100	0	21.78	21.63	21.32	
20	256QAM	1	0	19.51	19.35	19.03	20.5
20	256QAM	1	49	19.44	19.21	18.97	
20	256QAM	1	99	19.56	19.30	18.99	
20	256QAM	50	0	19.36	19.18	18.95	20.5
20	256QAM	50	24	19.43	19.23	18.97	
20	256QAM	50	50	19.44	19.20	18.93	
20	256QAM	100	0	19.28	19.13	18.82	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.36	23.21	23.04	25
15	QPSK	1	37	23.06	23.03	23.00	
15	QPSK	1	74	23.20	23.09	23.07	
15	QPSK	36	0	23.21	23.23	22.72	24.5
15	QPSK	36	20	23.26	23.02	22.76	
15	QPSK	36	39	23.13	23.14	22.72	
15	QPSK	75	0	23.09	22.91	22.76	24.5
15	16QAM	1	0	23.09	23.09	23.06	
15	16QAM	1	37	23.03	23.00	23.05	
15	16QAM	1	74	23.22	23.21	23.13	23.5
15	16QAM	36	0	22.87	22.56	22.36	
15	16QAM	36	20	22.73	22.59	22.25	
15	16QAM	36	39	22.75	22.57	22.25	23.5
15	16QAM	75	0	22.65	22.45	22.26	
15	64QAM	1	0	22.99	22.71	22.41	
15	64QAM	1	37	22.81	22.68	22.30	23.5
15	64QAM	1	74	23.06	22.77	22.43	
15	64QAM	36	0	21.79	21.66	21.43	
15	64QAM	36	20	21.87	21.72	21.43	22.5
15	64QAM	36	39	21.93	21.67	21.43	



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15	64QAM	75	0	21.65	21.51	21.14	
15	256QAM	1	0	19.36	19.21	18.90	20.5
15	256QAM	1	37	19.26	19.19	18.87	
15	256QAM	1	74	19.41	19.16	18.90	
15	256QAM	36	0	19.19	19.02	18.86	20.5
15	256QAM	36	20	19.28	19.05	18.94	
15	256QAM	36	39	19.25	19.00	18.75	
15	256QAM	75	0	19.24	19.09	18.70	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	23.34	23.25	23.00	25
10	QPSK	1	25	23.12	23.06	23.05	
10	QPSK	1	49	23.25	23.07	23.08	
10	QPSK	25	0	23.18	23.23	22.70	24.5
10	QPSK	25	12	23.19	23.15	22.65	
10	QPSK	25	25	23.20	23.00	22.80	
10	QPSK	50	0	23.20	22.99	22.74	
10	16QAM	1	0	23.14	23.04	23.10	24.5
10	16QAM	1	25	23.16	23.02	23.11	
10	16QAM	1	49	23.19	23.08	23.06	
10	16QAM	25	0	22.83	22.60	22.34	23.5
10	16QAM	25	12	22.80	22.60	22.26	
10	16QAM	25	25	22.76	22.57	22.19	
10	16QAM	50	0	22.60	22.51	22.28	
10	64QAM	1	0	22.95	22.74	22.39	23.5
10	64QAM	1	25	22.88	22.56	22.29	
10	64QAM	1	49	23.05	22.66	22.34	
10	64QAM	25	0	21.75	21.51	21.29	22.5
10	64QAM	25	12	21.75	21.56	21.38	
10	64QAM	25	25	21.83	21.67	21.27	
10	64QAM	50	0	21.72	21.50	21.18	
10	256QAM	1	0	19.48	19.18	18.89	20.5
10	256QAM	1	25	19.39	19.01	18.92	
10	256QAM	1	49	19.52	19.18	18.79	
10	256QAM	25	0	19.30	18.98	18.84	20.5
10	256QAM	25	12	19.29	19.08	18.86	
10	256QAM	25	25	19.44	19.09	18.84	
10	256QAM	50	0	19.27	18.94	18.79	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	23.22	23.29	23.06	25
5	QPSK	1	12	23.09	23.12	23.05	
5	QPSK	1	24	23.15	23.11	23.01	
5	QPSK	12	0	23.29	23.32	22.74	24.5
5	QPSK	12	7	23.16	23.13	22.73	
5	QPSK	12	13	23.22	22.99	22.83	
5	QPSK	25	0	23.05	23.01	22.58	
5	16QAM	1	0	23.20	23.17	23.13	24.5
5	16QAM	1	12	23.04	23.07	22.92	
5	16QAM	1	24	23.22	23.25	23.13	
5	16QAM	12	0	22.79	22.66	22.21	23.5
5	16QAM	12	7	22.77	22.53	22.40	
5	16QAM	12	13	22.73	22.59	22.20	
5	16QAM	25	0	22.66	22.51	22.27	
5	64QAM	1	0	22.97	22.81	22.36	23.5
5	64QAM	1	12	22.78	22.51	22.31	



5	64QAM	1	24	23.01	22.70	22.46	
5	64QAM	12	0	21.80	21.49	21.33	22.5
5	64QAM	12	7	21.93	21.67	21.27	
5	64QAM	12	13	21.91	21.59	21.25	
5	64QAM	25	0	21.62	21.43	21.25	
5	256QAM	1	0	19.40	19.25	18.97	20.5
5	256QAM	1	12	19.32	19.14	18.86	
5	256QAM	1	24	19.46	19.28	18.92	
5	256QAM	12	0	19.35	19.04	18.79	20.5
5	256QAM	12	7	19.29	19.10	18.94	
5	256QAM	12	13	19.34	19.18	18.82	
5	256QAM	25	0	19.19	19.05	18.73	

FDD LTE Band 71_TX 1 (Index3)

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				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.36	23.37	23.02	23.8
20	QPSK	1	49	23.23	23.08	23.02	
20	QPSK	1	99	23.31	23.15	23.03	
20	QPSK	50	0	23.32	23.32	22.83	23.8
20	QPSK	50	24	23.31	23.17	22.83	
20	QPSK	50	50	23.30	23.14	22.83	
20	QPSK	100	0	23.23	23.10	22.76	
20	16QAM	1	0	23.23	23.17	23.21	23.8
20	16QAM	1	49	23.22	23.15	23.12	
20	16QAM	1	99	23.24	23.25	23.18	
20	16QAM	50	0	22.87	22.69	22.39	23.5
20	16QAM	50	24	22.88	22.70	22.41	
20	16QAM	50	50	22.88	22.70	22.39	
20	16QAM	100	0	22.78	22.65	22.32	
20	64QAM	1	0	23.01	22.85	22.53	23.5
20	64QAM	1	49	22.94	22.71	22.47	
20	64QAM	1	99	23.06	22.80	22.49	
20	64QAM	50	0	21.86	21.68	21.45	22.5
20	64QAM	50	24	21.93	21.73	21.47	
20	64QAM	50	50	21.94	21.70	21.43	
20	64QAM	100	0	21.78	21.63	21.32	
20	256QAM	1	0	19.51	19.35	19.03	20.5
20	256QAM	1	49	19.44	19.21	18.97	
20	256QAM	1	99	19.56	19.30	18.99	
20	256QAM	50	0	19.36	19.18	18.95	20.5
20	256QAM	50	24	19.43	19.23	18.97	
20	256QAM	50	50	19.44	19.20	18.93	
20	256QAM	100	0	19.28	19.13	18.82	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.36	23.21	23.04	23.8
15	QPSK	1	37	23.06	23.03	23.00	
15	QPSK	1	74	23.20	23.09	23.07	
15	QPSK	36	0	23.21	23.23	22.72	23.8
15	QPSK	36	20	23.26	23.02	22.76	
15	QPSK	36	39	23.13	23.14	22.72	
15	QPSK	75	0	23.09	22.91	22.76	



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15	16QAM	1	0	23.09	23.09	23.06	23.8
15	16QAM	1	37	23.03	23.00	23.05	
15	16QAM	1	74	23.22	23.21	23.13	
15	16QAM	36	0	22.87	22.56	22.36	23.5
15	16QAM	36	20	22.73	22.59	22.25	
15	16QAM	36	39	22.75	22.57	22.25	
15	16QAM	75	0	22.65	22.45	22.26	23.5
15	64QAM	1	0	22.99	22.71	22.41	
15	64QAM	1	37	22.81	22.68	22.30	
15	64QAM	1	74	23.06	22.77	22.43	22.5
15	64QAM	36	0	21.79	21.66	21.43	
15	64QAM	36	20	21.87	21.72	21.43	
15	64QAM	36	39	21.93	21.67	21.43	20.5
15	64QAM	75	0	21.65	21.51	21.14	
15	256QAM	1	0	19.36	19.21	18.90	
15	256QAM	1	37	19.26	19.19	18.87	20.5
15	256QAM	1	74	19.41	19.16	18.90	
15	256QAM	36	0	19.19	19.02	18.86	
15	256QAM	36	20	19.28	19.05	18.94	20.5
15	256QAM	36	39	19.25	19.00	18.75	
15	256QAM	75	0	19.24	19.09	18.70	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	23.34	23.25	23.00	23.8
10	QPSK	1	25	23.12	23.06	23.05	
10	QPSK	1	49	23.25	23.07	23.08	
10	QPSK	25	0	23.18	23.23	22.70	23.8
10	QPSK	25	12	23.19	23.15	22.65	
10	QPSK	25	25	23.20	23.00	22.80	
10	QPSK	50	0	23.20	22.99	22.74	23.8
10	16QAM	1	0	23.14	23.04	23.10	
10	16QAM	1	25	23.16	23.02	23.11	
10	16QAM	1	49	23.19	23.08	23.06	23.5
10	16QAM	25	0	22.83	22.60	22.34	
10	16QAM	25	12	22.80	22.60	22.26	
10	16QAM	25	25	22.76	22.57	22.19	23.5
10	16QAM	50	0	22.60	22.51	22.28	
10	64QAM	1	0	22.95	22.74	22.39	
10	64QAM	1	25	22.88	22.56	22.29	23.5
10	64QAM	1	49	23.05	22.66	22.34	
10	64QAM	25	0	21.75	21.51	21.29	
10	64QAM	25	12	21.75	21.56	21.38	22.5
10	64QAM	25	25	21.83	21.67	21.27	
10	64QAM	50	0	21.72	21.50	21.18	
10	256QAM	1	0	19.48	19.18	18.89	20.5
10	256QAM	1	25	19.39	19.01	18.92	
10	256QAM	1	49	19.52	19.18	18.79	
10	256QAM	25	0	19.30	18.98	18.84	20.5
10	256QAM	25	12	19.29	19.08	18.86	
10	256QAM	25	25	19.44	19.09	18.84	
10	256QAM	50	0	19.27	18.94	18.79	Tune-up limit (dBm)
Channel				133147	133297	133447	
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	23.22	23.29	23.06	23.8
5	QPSK	1	12	23.09	23.12	23.05	
5	QPSK	1	24	23.15	23.11	23.01	



5	QPSK	12	0	23.29	23.32	22.74	23.8
5	QPSK	12	7	23.16	23.13	22.73	
5	QPSK	12	13	23.22	22.99	22.83	
5	QPSK	25	0	23.05	23.01	22.58	23.8
5	16QAM	1	0	23.20	23.17	23.13	
5	16QAM	1	12	23.04	23.07	22.92	
5	16QAM	1	24	23.22	23.25	23.13	23.5
5	16QAM	12	0	22.79	22.66	22.21	
5	16QAM	12	7	22.77	22.53	22.40	
5	16QAM	12	13	22.73	22.59	22.20	23.5
5	16QAM	25	0	22.66	22.51	22.27	
5	64QAM	1	0	22.97	22.81	22.36	
5	64QAM	1	12	22.78	22.51	22.31	22.5
5	64QAM	1	24	23.01	22.70	22.46	
5	64QAM	12	0	21.80	21.49	21.33	
5	64QAM	12	7	21.93	21.67	21.27	20.5
5	64QAM	12	13	21.91	21.59	21.25	
5	64QAM	25	0	21.62	21.43	21.25	
5	256QAM	1	0	19.40	19.25	18.97	20.5
5	256QAM	1	12	19.32	19.14	18.86	
5	256QAM	1	24	19.46	19.28	18.92	
5	256QAM	12	0	19.35	19.04	18.79	20.5
5	256QAM	12	7	19.29	19.10	18.94	
5	256QAM	12	13	19.34	19.18	18.82	
5	256QAM	25	0	19.19	19.05	18.73	

TDD LTE Band 38 PC3_TX 0 (Index2/3)

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	24.47	24.26	24.17	25.5
20	QPSK	1	49	24.31	24.11	24.01	
20	QPSK	1	99	24.35	24.13	24.06	
20	QPSK	50	0	22.41	22.15	22.08	23.5
20	QPSK	50	24	22.42	22.23	22.11	
20	QPSK	50	50	22.43	22.21	22.13	
20	QPSK	100	0	22.46	22.23	22.14	23.5
20	16QAM	1	0	22.48	22.22	22.16	
20	16QAM	1	49	22.33	22.06	21.98	
20	16QAM	1	99	22.42	22.14	22.08	22.5
20	16QAM	50	0	21.43	21.20	21.14	
20	16QAM	50	24	21.43	21.19	21.11	
20	16QAM	50	50	21.42	21.20	21.10	21.5
20	16QAM	100	0	21.44	21.23	21.15	
20	64QAM	1	0	21.26	20.99	20.98	
20	64QAM	1	49	21.06	20.79	20.84	22
20	64QAM	1	99	21.20	20.97	20.91	
20	64QAM	50	0	20.42	20.18	20.09	
20	64QAM	50	24	20.40	20.16	20.06	22
20	64QAM	50	50	20.39	20.16	20.07	
20	64QAM	100	0	20.40	20.19	20.12	
20	256QAM	1	0	21.53	21.21	21.12	22
20	256QAM	1	49	21.23	21.00	20.82	
20	256QAM	1	99	21.25	21.03	20.91	



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20	256QAM	50	0	20.41	20.13	20.01	21.5
20	256QAM	50	24	20.39	20.08	19.91	
20	256QAM	50	50	20.37	20.05	19.89	
20	256QAM	100	0	20.45	20.13	19.95	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.30	24.04	23.94	25.5
15	QPSK	1	37	24.45	24.12	24.10	
15	QPSK	1	74	24.33	24.07	23.97	
15	QPSK	36	0	22.27	22.03	21.96	23.5
15	QPSK	36	20	22.28	22.03	21.95	
15	QPSK	36	39	22.27	22.02	21.95	
15	QPSK	75	0	22.28	22.05	21.95	
15	16QAM	1	0	22.38	22.11	21.97	23.5
15	16QAM	1	37	22.25	21.87	21.92	
15	16QAM	1	74	22.32	22.04	22.02	
15	16QAM	36	0	21.21	20.96	20.88	22.5
15	16QAM	36	20	21.20	20.95	20.89	
15	16QAM	36	39	21.20	20.94	20.87	
15	16QAM	75	0	21.30	21.03	20.95	
15	64QAM	1	0	21.18	20.88	20.82	22.5
15	64QAM	1	37	21.41	21.01	21.11	
15	64QAM	1	74	21.09	20.81	20.82	
15	64QAM	36	0	20.21	20.01	19.90	21.5
15	64QAM	36	20	20.21	19.95	19.88	
15	64QAM	36	39	20.20	19.99	19.90	
15	64QAM	75	0	20.24	19.99	19.96	
15	256QAM	1	0	21.04	21.00	20.82	22
15	256QAM	1	37	20.93	20.97	20.81	
15	256QAM	1	74	20.82	20.87	20.69	
15	256QAM	36	0	19.82	19.84	19.65	21.5
15	256QAM	36	20	19.72	19.77	19.53	
15	256QAM	36	39	19.70	19.76	19.56	
15	256QAM	75	0	19.84	19.83	19.62	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.15	23.95	23.93	25.5
10	QPSK	1	25	24.37	24.09	24.11	
10	QPSK	1	49	24.15	23.94	23.93	
10	QPSK	25	0	22.17	21.95	21.90	23.5
10	QPSK	25	12	22.18	21.94	21.89	
10	QPSK	25	25	22.18	21.96	21.90	
10	QPSK	50	0	22.21	21.97	21.92	
10	16QAM	1	0	22.19	21.91	21.90	23.5
10	16QAM	1	25	22.27	22.15	22.01	
10	16QAM	1	49	22.18	21.95	21.92	
10	16QAM	25	0	21.23	21.01	20.92	22.5
10	16QAM	25	12	21.24	20.97	20.90	
10	16QAM	25	25	21.24	21.01	20.93	
10	16QAM	50	0	21.19	20.93	20.90	
10	64QAM	1	0	21.03	20.79	20.73	22.5
10	64QAM	1	25	21.05	20.79	20.62	
10	64QAM	1	49	21.05	20.78	20.68	
10	64QAM	25	0	20.15	19.91	19.88	21.5
10	64QAM	25	12	20.17	19.92	19.89	
10	64QAM	25	25	20.14	19.94	19.89	



10	64QAM	50	0	20.20	19.93	19.88	
10	256QAM	1	0	20.96	20.81	20.78	22
10	256QAM	1	25	20.99	20.85	20.81	
10	256QAM	1	49	21.06	20.92	20.81	
10	256QAM	25	0	19.96	19.83	19.76	21.5
10	256QAM	25	12	19.88	19.81	19.76	
10	256QAM	25	25	19.87	19.79	19.75	
10	256QAM	50	0	19.86	19.76	19.64	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.21	23.92	23.90	25.5
5	QPSK	1	12	24.35	24.19	24.25	
5	QPSK	1	24	24.23	23.93	23.90	
5	QPSK	12	0	22.21	21.91	21.88	23.5
5	QPSK	12	7	22.21	21.91	21.86	
5	QPSK	12	13	22.20	21.92	21.89	
5	QPSK	25	0	22.22	21.94	21.90	23.5
5	16QAM	1	0	22.20	21.87	21.87	
5	16QAM	1	12	22.21	21.98	21.94	
5	16QAM	1	24	22.24	21.94	21.92	
5	16QAM	12	0	21.14	20.81	20.80	22.5
5	16QAM	12	7	21.14	20.82	20.78	
5	16QAM	12	13	21.13	20.80	20.80	
5	16QAM	25	0	21.27	20.99	20.93	22.5
5	64QAM	1	0	21.10	20.69	20.72	
5	64QAM	1	12	21.34	20.98	20.91	
5	64QAM	1	24	21.05	20.69	20.75	
5	64QAM	12	0	20.12	19.84	19.77	21.5
5	64QAM	12	7	20.13	19.85	19.78	
5	64QAM	12	13	20.13	19.83	19.80	
5	64QAM	25	0	20.23	19.92	19.85	22
5	256QAM	1	0	20.99	20.78	20.69	
5	256QAM	1	12	21.16	21.02	20.91	
5	256QAM	1	24	20.97	20.82	20.73	
5	256QAM	12	0	19.83	19.72	19.59	21.5
5	256QAM	12	7	19.88	19.71	19.61	
5	256QAM	12	13	19.87	19.69	19.57	
5	256QAM	25	0	19.98	19.78	19.62	

TDD LTE Band 38 PC2_TX 0 (Index2/3)

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	25.98	25.74	25.62	26.9
20	QPSK	1	49	25.82	25.59	25.49	
20	QPSK	1	99	25.93	25.66	25.59	
20	QPSK	50	0	23.98	23.75	23.63	24.9
20	QPSK	50	24	23.97	23.71	23.63	
20	QPSK	50	50	23.96	23.70	23.60	
20	QPSK	100	0	23.94	23.71	23.61	24.9
20	16QAM	1	0	24.27	24.07	23.94	
20	16QAM	1	49	23.89	23.60	23.79	
20	16QAM	1	99	24.19	23.86	23.86	24.9
20	16QAM	50	0	22.96	22.70	22.59	



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20	16QAM	50	24	22.93	22.68	22.59	
20	16QAM	50	50	22.90	22.66	22.56	
20	16QAM	100	0	22.96	22.70	22.60	
20	64QAM	1	0	23.01	22.82	22.65	23.9
20	64QAM	1	49	22.91	22.64	22.47	
20	64QAM	1	99	22.99	22.72	22.64	
20	64QAM	50	0	21.97	21.71	21.59	22.9
20	64QAM	50	24	21.91	21.66	21.58	
20	64QAM	50	50	21.90	21.65	21.56	
20	64QAM	100	0	21.91	21.67	21.57	
20	256QAM	1	0	22.88	22.58	22.72	23.9
20	256QAM	1	49	22.35	22.14	22.24	
20	256QAM	1	99	22.38	22.16	22.24	
20	256QAM	50	0	21.80	21.59	21.65	22.9
20	256QAM	50	24	21.77	21.52	21.60	
20	256QAM	50	50	21.76	21.48	21.53	
20	256QAM	100	0	21.70	21.50	21.55	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.68	25.40	25.30	26.9
15	QPSK	1	37	25.58	25.29	25.22	
15	QPSK	1	74	25.65	25.36	25.30	
15	QPSK	36	0	23.72	23.44	23.34	24.9
15	QPSK	36	20	23.68	23.41	23.36	
15	QPSK	36	39	23.71	23.42	23.35	
15	QPSK	75	0	23.69	23.42	23.32	
15	16QAM	1	0	23.96	23.80	23.66	24.9
15	16QAM	1	37	24.04	23.84	23.72	
15	16QAM	1	74	24.10	23.78	23.71	
15	16QAM	36	0	22.69	22.38	22.30	23.9
15	16QAM	36	20	22.61	22.34	22.24	
15	16QAM	36	39	22.62	22.36	22.27	
15	16QAM	75	0	22.70	22.40	22.34	
15	64QAM	1	0	22.74	22.60	22.42	23.9
15	64QAM	1	37	22.37	22.08	22.00	
15	64QAM	1	74	22.89	22.62	22.54	
15	64QAM	36	0	21.69	21.41	21.32	22.9
15	64QAM	36	20	21.65	21.36	21.30	
15	64QAM	36	39	21.65	21.36	21.31	
15	64QAM	75	0	21.67	21.35	21.31	
15	256QAM	1	0	22.78	22.40	22.57	23.9
15	256QAM	1	37	22.29	22.08	22.09	
15	256QAM	1	74	22.19	22.07	22.07	
15	256QAM	36	0	21.77	21.57	21.53	22.9
15	256QAM	36	20	21.67	21.39	21.48	
15	256QAM	36	39	21.58	21.48	21.34	
15	256QAM	75	0	21.65	21.49	21.46	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.68	25.38	25.28	26.9
10	QPSK	1	25	25.90	25.60	25.49	
10	QPSK	1	49	25.65	25.37	25.30	
10	QPSK	25	0	23.73	23.41	23.33	24.9
10	QPSK	25	12	23.71	23.40	23.31	
10	QPSK	25	25	23.71	23.38	23.32	
10	QPSK	50	0	23.78	23.45	23.39	



10	16QAM	1	0	23.91	23.77	23.68	24.9
10	16QAM	1	25	23.43	23.64	23.51	
10	16QAM	1	49	23.77	23.76	23.69	
10	16QAM	25	0	22.67	22.38	22.28	23.9
10	16QAM	25	12	22.65	22.36	22.28	
10	16QAM	25	25	22.65	22.34	22.29	
10	16QAM	50	0	22.73	22.41	22.35	23.9
10	64QAM	1	0	22.78	22.49	22.40	
10	64QAM	1	25	23.09	23.10	22.71	
10	64QAM	1	49	22.74	22.48	22.35	22.9
10	64QAM	25	0	21.70	21.38	21.29	
10	64QAM	25	12	21.70	21.41	21.31	
10	64QAM	25	25	21.70	21.40	21.35	23.9
10	64QAM	50	0	21.71	21.39	21.36	
10	256QAM	1	0	22.84	22.38	22.69	
10	256QAM	1	25	22.16	22.11	22.07	22.9
10	256QAM	1	49	22.19	21.99	22.04	
10	256QAM	25	0	21.67	21.45	21.60	
10	256QAM	25	12	21.76	21.38	21.57	22.9
10	256QAM	25	25	21.76	21.38	21.40	
10	256QAM	50	0	21.58	21.39	21.35	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.65	25.32	25.28	26.9
5	QPSK	1	12	25.44	25.14	25.09	
5	QPSK	1	24	25.61	25.29	25.26	
5	QPSK	12	0	23.72	23.39	23.34	24.9
5	QPSK	12	7	23.73	23.42	23.36	
5	QPSK	12	13	23.73	23.39	23.36	
5	QPSK	25	0	23.74	23.36	23.32	24.9
5	16QAM	1	0	23.67	23.73	23.27	
5	16QAM	1	12	24.20	23.78	23.36	
5	16QAM	1	24	24.11	23.76	23.72	23.9
5	16QAM	12	0	22.73	22.34	22.35	
5	16QAM	12	7	22.77	22.41	22.38	
5	16QAM	12	13	22.76	22.40	22.37	23.9
5	16QAM	25	0	22.77	22.43	22.35	
5	64QAM	1	0	22.75	22.39	22.30	
5	64QAM	1	12	22.18	21.94	21.97	23.9
5	64QAM	1	24	22.81	22.61	22.45	
5	64QAM	12	0	21.78	21.38	21.31	
5	64QAM	12	7	21.77	21.41	21.38	22.9
5	64QAM	12	13	21.73	21.39	21.35	
5	64QAM	25	0	21.73	21.37	21.28	
5	256QAM	1	0	22.88	22.52	22.58	23.9
5	256QAM	1	12	22.21	22.00	22.11	
5	256QAM	1	24	22.25	21.96	22.23	
5	256QAM	12	0	21.79	21.59	21.60	22.9
5	256QAM	12	7	21.65	21.44	21.53	
5	256QAM	12	13	21.69	21.36	21.45	
5	256QAM	25	0	21.51	21.33	21.51	

TDD LTE Band 38 PC3_TX 1 (Index2/3)

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	24.83	24.53	24.31	25.1
20	QPSK	1	49	24.59	24.36	24.17	
20	QPSK	1	99	24.70	24.48	24.29	
20	QPSK	50	0	22.79	22.54	22.29	23.5
20	QPSK	50	24	22.77	22.51	22.24	
20	QPSK	50	50	22.81	22.55	22.31	
20	QPSK	100	0	22.76	22.49	22.25	
20	16QAM	1	0	22.76	22.45	22.29	23.5
20	16QAM	1	49	22.56	22.36	22.16	
20	16QAM	1	99	22.70	22.48	22.24	
20	16QAM	50	0	21.76	21.48	21.25	22.5
20	16QAM	50	24	21.73	21.46	21.23	
20	16QAM	50	50	21.54	21.46	21.21	
20	16QAM	100	0	21.73	21.49	21.26	
20	64QAM	1	0	22.69	21.33	21.14	22.8
20	64QAM	1	49	22.51	21.16	20.96	
20	64QAM	1	99	22.61	21.29	21.15	
20	64QAM	50	0	21.75	20.45	20.23	22
20	64QAM	50	24	21.74	20.43	20.20	
20	64QAM	50	50	21.74	20.43	20.20	
20	64QAM	100	0	21.76	20.48	20.24	
20	256QAM	1	0	21.81	21.60	21.48	22.8
20	256QAM	1	49	21.62	21.46	21.30	
20	256QAM	1	99	21.82	21.61	21.43	
20	256QAM	50	0	20.72	20.61	20.39	21.8
20	256QAM	50	24	20.71	20.58	20.36	
20	256QAM	50	50	20.74	20.57	20.39	
20	256QAM	100	0	20.74	20.62	20.47	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.60	24.31	24.07	25.1
15	QPSK	1	37	24.71	24.46	24.11	
15	QPSK	1	74	24.62	24.35	24.09	
15	QPSK	36	0	22.61	22.35	22.09	23.5
15	QPSK	36	20	22.64	22.34	22.07	
15	QPSK	36	39	22.63	22.35	22.11	
15	QPSK	75	0	22.66	22.37	22.11	
15	16QAM	1	0	22.64	22.34	22.14	23.5
15	16QAM	1	37	22.65	22.30	21.93	
15	16QAM	1	74	22.51	22.40	22.05	
15	16QAM	36	0	21.57	21.25	21.05	22.5
15	16QAM	36	20	21.53	21.26	21.05	
15	16QAM	36	39	21.57	21.29	21.05	
15	16QAM	75	0	21.61	21.33	21.12	
15	64QAM	1	0	21.55	21.16	20.96	22.8
15	64QAM	1	37	21.71	21.17	21.13	
15	64QAM	1	74	21.56	21.14	20.97	
15	64QAM	36	0	20.60	20.32	20.09	22
15	64QAM	36	20	20.59	20.30	20.07	
15	64QAM	36	39	20.61	20.31	20.08	
15	64QAM	75	0	20.60	20.32	20.09	
15	256QAM	1	0	21.20	21.28	21.23	22.8
15	256QAM	1	37	21.33	21.43	21.37	
15	256QAM	1	74	21.09	21.24	21.18	



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15	256QAM	36	0	20.13	20.27	20.20	21.8
15	256QAM	36	20	20.10	20.22	20.09	
15	256QAM	36	39	20.06	20.21	20.16	
15	256QAM	75	0	20.14	20.31	20.25	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.63	24.35	24.11	25.1
10	QPSK	1	25	24.72	24.44	24.18	
10	QPSK	1	49	24.68	24.36	24.02	
10	QPSK	25	0	22.66	22.35	22.00	23.5
10	QPSK	25	12	22.68	22.36	22.05	
10	QPSK	25	25	22.68	22.35	22.06	
10	QPSK	50	0	22.73	22.41	22.06	
10	16QAM	1	0	22.47	22.26	22.13	23.5
10	16QAM	1	25	22.46	22.34	22.21	
10	16QAM	1	49	22.54	22.24	22.13	
10	16QAM	25	0	21.69	21.38	21.11	22.5
10	16QAM	25	12	21.68	21.37	21.12	
10	16QAM	25	25	21.68	21.37	21.14	
10	16QAM	50	0	21.65	21.34	21.02	
10	64QAM	1	0	21.47	21.05	20.92	22.8
10	64QAM	1	25	21.30	21.06	21.02	
10	64QAM	1	49	21.39	21.07	20.90	
10	64QAM	25	0	20.61	20.29	20.01	22
10	64QAM	25	12	20.65	20.29	20.03	
10	64QAM	25	25	20.62	20.32	20.05	
10	64QAM	50	0	20.68	20.29	20.03	
10	256QAM	1	0	21.41	21.32	21.11	22.8
10	256QAM	1	25	21.35	21.34	21.05	
10	256QAM	1	49	21.30	21.28	21.07	
10	256QAM	25	0	20.36	20.33	20.10	21.8
10	256QAM	25	12	20.32	20.31	20.07	
10	256QAM	25	25	20.41	20.32	20.09	
10	256QAM	50	0	20.38	20.30	20.06	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.79	24.71	24.40	25.1
5	QPSK	1	12	24.80	24.81	24.63	
5	QPSK	1	24	24.78	24.62	24.23	
5	QPSK	12	0	22.86	22.58	22.24	23.5
5	QPSK	12	7	22.94	22.66	22.28	
5	QPSK	12	13	22.94	22.65	22.33	
5	QPSK	25	0	23.01	22.71	22.40	
5	16QAM	1	0	22.88	22.61	22.38	23.5
5	16QAM	1	12	22.91	22.47	22.13	
5	16QAM	1	24	22.96	22.67	22.41	
5	16QAM	12	0	22.00	21.58	21.36	22.5
5	16QAM	12	7	21.98	21.59	21.35	
5	16QAM	12	13	21.99	21.61	21.35	
5	16QAM	25	0	22.10	21.70	21.41	
5	64QAM	1	0	21.89	21.47	21.06	22.8
5	64QAM	1	12	22.07	21.41	21.35	
5	64QAM	1	24	21.85	21.49	21.17	
5	64QAM	12	0	20.97	20.61	20.29	22
5	64QAM	12	7	20.94	20.60	20.31	
5	64QAM	12	13	20.95	20.61	20.31	



5	64QAM	25	0	21.00	20.65	20.35	
5	256QAM	1	0	21.43	21.28	21.00	22.8
5	256QAM	1	12	21.47	21.38	21.05	
5	256QAM	1	24	21.48	21.33	20.99	
5	256QAM	12	0	20.41	20.28	19.91	21.8
5	256QAM	12	7	20.42	20.27	19.99	
5	256QAM	12	13	20.36	20.26	19.95	
5	256QAM	25	0	20.47	20.35	20.00	

TDD LTE Band 38 PC2_TX 1 (Index2/3)

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	26.36	26.03	25.81	26.5
20	QPSK	1	49	26.18	25.87	25.68	
20	QPSK	1	99	26.25	26.00	25.77	
20	QPSK	50	0	24.43	24.15	23.87	24.8
20	QPSK	50	24	24.41	24.11	23.83	
20	QPSK	50	50	24.42	24.08	23.83	
20	QPSK	100	0	24.40	24.07	23.81	24.8
20	16QAM	1	0	24.59	24.43	24.06	
20	16QAM	1	49	24.42	24.24	23.82	
20	16QAM	1	99	24.70	24.13	23.91	23.8
20	16QAM	50	0	23.43	23.10	22.83	
20	16QAM	50	24	23.39	23.11	22.80	
20	16QAM	50	50	23.35	23.06	22.82	23.8
20	16QAM	100	0	23.39	23.10	22.84	
20	64QAM	1	0	23.67	23.05	22.94	
20	64QAM	1	49	23.44	22.84	22.63	23.8
20	64QAM	1	99	23.52	22.93	22.70	
20	64QAM	50	0	22.37	22.07	21.82	
20	64QAM	50	24	22.35	22.04	21.77	22.8
20	64QAM	50	50	22.34	22.02	21.79	
20	64QAM	100	0	22.35	22.01	21.78	
20	256QAM	1	0	23.46	23.33	23.01	23.8
20	256QAM	1	49	23.24	23.15	22.75	
20	256QAM	1	99	23.27	23.19	22.84	
20	256QAM	50	0	22.15	22.02	21.69	22.8
20	256QAM	50	24	22.09	22.05	21.68	
20	256QAM	50	50	22.23	22.09	21.75	
20	256QAM	100	0	22.26	22.12	21.73	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	26.22	25.79	25.63	26.5
15	QPSK	1	37	26.01	25.69	25.44	
15	QPSK	1	74	26.07	25.83	25.58	
15	QPSK	36	0	24.18	23.90	23.61	24.8
15	QPSK	36	20	24.22	23.85	23.60	
15	QPSK	36	39	24.23	23.86	23.61	
15	QPSK	75	0	24.23	23.84	23.59	24.8
15	16QAM	1	0	24.55	24.28	23.93	
15	16QAM	1	37	24.46	24.08	23.78	
15	16QAM	1	74	24.59	24.25	24.05	24.8
15	16QAM	36	0	23.23	22.86	22.60	



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15	16QAM	36	20	23.23	22.59	22.58	
15	16QAM	36	39	23.18	22.83	22.57	
15	16QAM	75	0	23.24	22.85	22.58	
15	64QAM	1	0	23.12	22.99	22.49	23.8
15	64QAM	1	37	22.75	22.38	22.27	
15	64QAM	1	74	23.33	23.00	22.77	
15	64QAM	36	0	22.21	21.83	21.56	22.8
15	64QAM	36	20	22.17	21.96	21.57	
15	64QAM	36	39	22.16	21.81	21.57	
15	64QAM	75	0	22.18	21.81	21.58	
15	256QAM	1	0	23.07	22.87	22.77	23.8
15	256QAM	1	37	22.83	22.65	22.51	
15	256QAM	1	74	22.82	22.71	22.54	
15	256QAM	36	0	21.98	21.82	21.65	22.8
15	256QAM	36	20	21.92	21.77	21.59	
15	256QAM	36	39	21.98	21.81	21.66	
15	256QAM	75	0	21.83	21.70	21.56	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	26.20	25.82	25.50	26.5
10	QPSK	1	25	26.29	25.98	25.70	
10	QPSK	1	49	26.09	25.83	25.53	
10	QPSK	25	0	24.17	23.85	23.55	24.8
10	QPSK	25	12	24.17	23.85	23.54	
10	QPSK	25	25	24.15	23.85	23.57	
10	QPSK	50	0	24.19	23.88	23.59	
10	16QAM	1	0	24.58	24.18	23.72	24.8
10	16QAM	1	25	24.05	23.71	23.50	
10	16QAM	1	49	24.59	24.21	23.66	
10	16QAM	25	0	23.31	22.91	22.55	23.8
10	16QAM	25	12	23.29	22.90	22.55	
10	16QAM	25	25	23.29	22.89	22.54	
10	16QAM	50	0	23.26	22.87	22.60	
10	64QAM	1	0	23.51	23.09	22.44	23.8
10	64QAM	1	25	23.58	23.22	22.62	
10	64QAM	1	49	23.21	22.83	22.70	
10	64QAM	25	0	22.23	21.84	21.56	22.8
10	64QAM	25	12	22.21	21.84	21.57	
10	64QAM	25	25	22.17	21.81	21.58	
10	64QAM	50	0	22.22	21.84	21.54	
10	256QAM	1	0	23.14	22.95	22.66	23.8
10	256QAM	1	25	22.55	22.45	22.29	
10	256QAM	1	49	22.83	22.64	22.27	
10	256QAM	25	0	21.79	21.66	21.29	22.8
10	256QAM	25	12	21.95	21.80	21.46	
10	256QAM	25	25	21.98	21.78	21.49	
10	256QAM	50	0	22.00	21.85	21.53	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	26.11	25.76	25.43	26.5
5	QPSK	1	12	25.96	25.63	25.31	
5	QPSK	1	24	26.10	25.71	25.43	
5	QPSK	12	0	24.25	23.84	23.50	24.8
5	QPSK	12	7	24.24	23.83	23.50	
5	QPSK	12	13	24.24	23.83	23.52	
5	QPSK	25	0	24.24	23.81	23.53	



5	16QAM	1	0	24.18	23.98	23.46	24.8
5	16QAM	1	12	24.45	24.31	23.72	
5	16QAM	1	24	24.54	24.21	23.92	
5	16QAM	12	0	23.25	22.85	22.55	23.8
5	16QAM	12	7	23.26	22.82	22.51	
5	16QAM	12	13	23.28	22.81	22.52	
5	16QAM	25	0	23.30	22.84	22.56	23.8
5	64QAM	1	0	23.35	22.86	22.55	
5	64QAM	1	12	23.00	22.57	22.27	
5	64QAM	1	24	23.35	22.95	22.64	23.8
5	64QAM	12	0	22.32	21.86	21.62	
5	64QAM	12	7	22.31	21.78	21.48	
5	64QAM	12	13	22.18	21.78	21.53	22.8
5	64QAM	25	0	22.20	21.74	21.51	
5	256QAM	1	0	23.16	22.91	22.65	
5	256QAM	1	12	22.45	22.79	22.54	23.8
5	256QAM	1	24	22.33	22.62	22.29	
5	256QAM	12	0	21.43	21.70	21.40	
5	256QAM	12	7	21.37	21.72	21.41	22.8
5	256QAM	12	13	21.51	21.80	21.49	
5	256QAM	25	0	21.53	21.85	21.54	



TDD LTE Band 41 PC3_TX 0 (Index2/3)

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	24.19	24.60	24.32	24.45	24.55	25.5
20	QPSK	1	49	23.90	24.42	24.08	24.20	24.28	
20	QPSK	1	99	23.89	24.50	24.14	24.22	24.33	
20	QPSK	50	0	22.01	22.51	22.15	22.23	22.34	23.5
20	QPSK	50	24	21.96	22.50	22.16	22.25	22.35	
20	QPSK	50	50	22.04	22.57	22.21	22.26	22.37	
20	QPSK	100	0	22.09	22.58	22.27	22.35	22.42	23.5
20	16QAM	1	0	22.12	22.59	22.30	22.39	22.49	
20	16QAM	1	49	21.93	22.45	22.10	22.22	22.29	
20	16QAM	1	99	22.02	22.57	22.18	22.34	22.40	22.5
20	16QAM	50	0	21.09	21.58	21.25	21.36	21.45	
20	16QAM	50	24	21.05	21.63	21.23	21.32	21.42	
20	16QAM	50	50	21.06	21.64	21.22	21.31	21.42	22.5
20	16QAM	100	0	21.06	21.65	21.24	21.36	21.45	
20	64QAM	1	0	20.96	21.44	20.92	21.09	21.21	
20	64QAM	1	49	20.76	21.23	20.77	20.92	20.99	22.5
20	64QAM	1	99	20.85	21.37	20.90	21.04	21.09	
20	64QAM	50	0	20.06	20.63	20.22	20.31	20.47	
20	64QAM	50	24	20.03	20.59	20.18	20.30	20.47	21.5
20	64QAM	50	50	20.07	20.61	20.20	20.27	20.48	
20	64QAM	100	0	19.92	20.62	20.22	20.33	20.55	
20	256QAM	1	0	21.21	21.53	21.23	21.37	21.39	22
20	256QAM	1	49	21.02	21.28	21.01	21.10	21.09	
20	256QAM	1	99	20.98	21.24	21.04	21.18	21.19	
20	256QAM	50	0	20.13	20.44	20.14	20.20	20.26	21.5
20	256QAM	50	24	20.08	20.36	20.09	20.21	20.25	
20	256QAM	50	50	19.98	20.30	20.05	20.11	20.15	
20	256QAM	100	0	20.13	20.40	20.12	20.17	20.19	
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	24.01	24.45	24.07	24.17	24.29	25.50
15	QPSK	1	37	23.93	24.52	24.21	24.27	24.36	
15	QPSK	1	74	23.84	24.35	24.04	24.10	24.22	
15	QPSK	36	0	21.89	22.38	22.06	22.14	22.18	23.5
15	QPSK	36	20	21.84	22.41	22.05	22.12	22.24	
15	QPSK	36	39	21.87	22.48	22.07	22.13	22.27	
15	QPSK	75	0	21.96	22.49	22.07	22.14	22.28	23.5
15	16QAM	1	0	22.00	22.67	22.20	22.24	22.27	
15	16QAM	1	37	21.62	22.41	22.07	21.99	22.10	
15	16QAM	1	74	21.95	22.68	22.19	22.21	22.28	22.5
15	16QAM	36	0	20.88	21.40	20.99	21.09	21.20	
15	16QAM	36	20	20.88	21.38	20.97	21.05	21.21	
15	16QAM	36	39	20.88	21.43	20.99	21.07	21.21	22.5
15	16QAM	75	0	20.97	21.48	21.05	21.15	21.28	
15	64QAM	1	0	20.93	21.16	20.94	20.94	21.10	
15	64QAM	1	37	20.93	21.29	21.18	21.00	21.51	22.5
15	64QAM	1	74	20.71	21.12	20.87	20.92	21.08	
15	64QAM	36	0	19.91	20.40	20.02	20.12	20.25	
15	64QAM	36	20	19.67	20.40	19.77	20.09	20.23	21.5
15	64QAM	36	39	19.91	20.42	20.00	20.10	20.28	



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15	64QAM	75	0	19.97	20.44	20.03	20.12	20.27	
15	256QAM	1	0	20.83	21.22	20.90	21.07	21.00	22
15	256QAM	1	37	20.93	21.30	21.00	21.11	21.01	
15	256QAM	1	74	20.67	21.04	20.79	20.91	20.81	
15	256QAM	36	0	19.69	20.06	19.83	19.99	19.89	21.5
15	256QAM	36	20	19.69	20.01	19.78	19.90	19.88	
15	256QAM	36	39	19.63	19.98	19.75	19.90	19.82	
15	256QAM	75	0	19.68	20.11	19.80	19.96	19.87	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.92	24.40	24.01	24.13	24.23	25.50
10	QPSK	1	25	23.87	24.47	24.19	24.34	24.41	
10	QPSK	1	49	23.74	24.33	24.00	24.09	24.14	
10	QPSK	25	0	21.80	22.33	22.02	22.11	22.14	23.5
10	QPSK	25	12	21.76	22.42	22.02	22.12	22.16	
10	QPSK	25	25	21.81	22.41	22.01	22.12	22.25	
10	QPSK	50	0	21.86	22.40	22.02	22.14	22.27	
10	16QAM	1	0	21.90	22.35	22.05	22.19	22.25	23.5
10	16QAM	1	25	21.87	22.51	22.13	22.22	22.32	
10	16QAM	1	49	21.80	22.37	22.03	22.16	22.23	
10	16QAM	25	0	20.90	21.43	21.03	21.12	21.28	22.5
10	16QAM	25	12	20.87	21.44	21.06	21.12	21.27	
10	16QAM	25	25	20.88	21.45	21.02	21.13	21.27	
10	16QAM	50	0	20.85	21.37	20.98	21.12	21.22	
10	64QAM	1	0	20.55	21.24	20.81	20.88	20.96	22.5
10	64QAM	1	25	20.63	21.22	20.74	20.69	20.93	
10	64QAM	1	49	20.55	21.29	20.79	20.84	21.02	
10	64QAM	25	0	19.83	20.38	19.98	20.06	20.22	21.5
10	64QAM	25	12	19.84	20.37	20.00	20.08	20.23	
10	64QAM	25	25	19.92	20.36	19.99	20.09	20.23	
10	64QAM	50	0	19.92	20.39	19.97	20.08	20.24	
10	256QAM	1	0	20.79	21.12	20.78	21.02	20.95	22
10	256QAM	1	25	20.75	21.10	20.80	21.03	20.94	
10	256QAM	1	49	20.63	20.99	20.71	20.92	20.80	
10	256QAM	25	0	19.84	20.11	19.83	20.03	19.95	21.5
10	256QAM	25	12	19.80	20.09	19.81	20.05	19.96	
10	256QAM	25	25	19.74	20.05	19.79	20.02	19.91	
10	256QAM	50	0	19.78	20.09	19.78	19.92	19.95	
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	23.84	24.34	23.74	24.08	24.19	25.50
5	QPSK	1	12	24.09	24.54	24.30	24.41	24.47	
5	QPSK	1	24	23.64	24.26	23.96	24.09	24.16	
5	QPSK	12	0	21.66	22.28	21.98	22.10	22.14	23.5
5	QPSK	12	7	21.72	22.34	21.96	22.08	22.16	
5	QPSK	12	13	21.72	22.38	21.96	22.09	22.22	
5	QPSK	25	0	21.79	22.39	21.99	22.10	22.24	
5	16QAM	1	0	21.76	22.37	22.02	22.16	22.23	23.5
5	16QAM	1	12	21.59	22.22	21.71	21.85	22.02	
5	16QAM	1	24	21.74	22.49	22.05	22.23	22.26	
5	16QAM	12	0	20.70	21.25	20.87	20.98	21.13	22.5
5	16QAM	12	7	20.76	21.26	20.66	20.99	21.14	
5	16QAM	12	13	20.74	21.28	20.87	21.01	21.12	
5	16QAM	25	0	20.89	21.40	21.00	21.15	21.24	
5	64QAM	1	0	20.57	21.04	20.86	20.85	20.99	22.5
5	64QAM	1	12	20.77	21.31	21.09	21.29	21.35	



5	64QAM	1	24	20.51	21.04	20.81	20.87	20.94	21.5
5	64QAM	12	0	19.77	20.25	19.91	20.01	20.17	
5	64QAM	12	7	19.74	20.27	19.91	20.00	20.16	
5	64QAM	12	13	19.72	20.26	19.90	20.00	20.13	
5	64QAM	25	0	19.80	20.36	19.97	20.08	20.20	
5	256QAM	1	0	20.71	21.09	20.86	20.94	21.00	22
5	256QAM	1	12	20.76	21.11	20.95	20.95	21.03	
5	256QAM	1	24	20.57	20.98	20.76	20.76	20.87	
5	256QAM	12	0	19.52	19.90	19.72	19.80	19.80	21.5
5	256QAM	12	7	19.53	19.91	19.69	19.72	19.77	
5	256QAM	12	13	19.57	19.92	19.70	19.77	19.80	
5	256QAM	25	0	19.63	19.95	19.79	19.77	19.90	

TDD LTE Band 41 PC2_TX 0 (Index2/3)

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	26.09	26.66	26.32	26.34	26.51	27.5
20	QPSK	1	49	25.87	26.48	26.07	26.21	26.36	27
20	QPSK	1	99	25.99	26.53	26.14	26.26	26.38	
20	QPSK	50	0	24.08	24.57	24.20	24.28	24.46	25.5
20	QPSK	50	24	24.05	24.55	24.17	24.27	24.44	
20	QPSK	50	50	24.09	24.62	24.25	24.34	24.52	
20	QPSK	100	0	24.04	24.61	24.16	24.27	24.41	25.5
20	16QAM	1	0	24.34	24.98	24.48	24.48	24.66	
20	16QAM	1	49	24.09	24.75	24.27	24.33	24.48	
20	16QAM	1	99	24.14	24.82	24.31	24.50	24.53	24.5
20	16QAM	50	0	23.06	23.61	23.18	23.26	23.39	
20	16QAM	50	24	23.07	23.61	23.21	23.23	23.40	
20	16QAM	50	50	23.05	23.60	23.20	23.26	23.38	24.5
20	16QAM	100	0	23.02	23.63	23.23	23.28	23.40	
20	64QAM	1	0	23.19	23.68	23.31	23.33	23.44	
20	64QAM	1	49	22.98	23.48	23.10	23.15	23.29	24.5
20	64QAM	1	99	23.14	23.57	23.19	23.24	23.36	
20	64QAM	50	0	22.05	22.65	22.25	22.34	22.50	
20	64QAM	50	24	22.07	22.68	22.19	22.30	22.48	23.5
20	64QAM	50	50	22.11	22.67	22.18	22.31	22.52	
20	64QAM	100	0	22.10	22.66	22.20	22.30	22.52	
20	256QAM	1	0	23.05	23.70	23.18	23.49	23.56	24.5
20	256QAM	1	49	22.70	23.40	22.93	23.13	23.22	
20	256QAM	1	99	22.78	23.39	22.96	23.18	23.33	
20	256QAM	50	0	21.94	22.61	22.15	22.41	22.50	23.5
20	256QAM	50	24	21.92	22.53	22.08	22.36	22.44	
20	256QAM	50	50	21.91	22.54	22.04	22.32	22.34	
20	256QAM	100	0	21.95	22.52	22.05	22.33	22.40	
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	25.91	26.44	25.97	26.06	26.25	27.5
15	QPSK	1	37	25.61	26.23	25.74	25.83	26.01	27
15	QPSK	1	74	25.82	26.44	25.96	26.06	26.22	
15	QPSK	36	0	23.87	24.45	24.01	24.10	24.30	25.5
15	QPSK	36	20	23.85	24.46	24.00	24.09	24.29	
15	QPSK	36	39	23.86	24.46	24.00	24.12	24.28	
15	QPSK	75	0	23.85	24.45	23.97	24.09	24.25	



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15	16QAM	1	0	23.78	24.77	24.30	24.37	24.57	25.5
15	16QAM	1	37	23.93	24.57	24.00	24.21	24.52	
15	16QAM	1	74	23.77	24.42	23.91	24.03	24.55	
15	16QAM	36	0	22.81	23.41	22.92	23.08	23.23	24.5
15	16QAM	36	20	22.76	23.44	22.95	23.07	23.26	
15	16QAM	36	39	22.78	23.42	22.94	23.07	23.23	
15	16QAM	75	0	22.83	23.45	22.98	23.08	23.29	24.5
15	64QAM	1	0	22.95	23.52	23.05	23.11	23.16	
15	64QAM	1	37	22.59	22.84	22.54	22.59	22.54	
15	64QAM	1	74	23.03	23.60	23.10	23.24	23.18	23.5
15	64QAM	36	0	21.91	22.44	21.94	22.04	22.24	
15	64QAM	36	20	21.88	22.41	21.95	22.05	22.22	
15	64QAM	36	39	21.91	22.42	21.92	22.04	22.25	24.5
15	64QAM	75	0	21.89	22.40	21.92	22.03	22.24	
15	256QAM	1	0	22.78	23.03	22.85	22.98	22.83	
15	256QAM	1	37	22.71	22.96	22.78	22.82	22.72	23.5
15	256QAM	1	74	22.51	22.73	22.64	22.74	22.58	
15	256QAM	36	0	21.68	21.98	21.82	21.94	21.79	
15	256QAM	36	20	21.64	21.83	21.75	21.83	21.73	24.5
15	256QAM	36	39	21.56	21.82	21.71	21.79	21.60	
15	256QAM	75	0	21.67	21.87	21.78	21.87	21.76	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.77	26.39	25.90	25.98	26.16	27.5
10	QPSK	1	25	25.82	26.47	25.98	26.09	26.24	27
10	QPSK	1	49	25.68	26.35	25.87	26.02	26.14	
10	QPSK	25	0	23.77	24.43	23.93	24.05	24.24	25.5
10	QPSK	25	12	23.75	24.46	23.93	24.06	24.23	
10	QPSK	25	25	23.78	24.43	23.94	24.09	24.24	
10	QPSK	50	0	23.81	24.43	24.00	24.13	24.31	25.5
10	16QAM	1	0	24.08	24.75	24.22	24.02	24.52	
10	16QAM	1	25	23.58	24.03	23.56	23.56	23.73	
10	16QAM	1	49	23.66	24.36	23.85	24.01	24.14	24.5
10	16QAM	25	0	22.75	23.42	22.92	23.05	23.26	
10	16QAM	25	12	22.74	23.39	22.92	23.06	23.26	
10	16QAM	25	25	22.73	23.40	22.90	23.06	23.22	24.5
10	16QAM	50	0	22.83	23.47	23.01	23.13	23.28	
10	64QAM	1	0	22.90	23.53	23.02	23.20	23.31	
10	64QAM	1	25	23.09	23.78	23.25	23.44	23.51	24.5
10	64QAM	1	49	22.86	23.54	22.90	23.14	23.36	
10	64QAM	25	0	21.87	22.40	21.91	22.03	22.20	
10	64QAM	25	12	21.83	22.39	21.88	22.02	22.23	23.5
10	64QAM	25	25	21.81	22.37	21.89	22.03	22.22	
10	64QAM	50	0	21.86	22.43	21.93	22.07	22.23	
10	256QAM	1	0	22.74	23.11	22.72	22.98	22.81	24.5
10	256QAM	1	25	22.55	22.92	22.62	22.85	22.63	
10	256QAM	1	49	22.57	22.95	22.65	22.91	22.69	
10	256QAM	25	0	21.78	22.13	21.76	21.94	21.75	23.5
10	256QAM	25	12	21.70	22.09	21.75	21.93	21.81	
10	256QAM	25	25	21.70	22.01	21.71	21.94	21.78	
10	256QAM	50	0	21.71	22.06	21.74	21.95	21.77	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.70	26.27	25.91	26.01	26.15	27.5
5	QPSK	1	12	25.58	25.94	25.56	25.62	25.81	27
5	QPSK	1	24	25.58	26.29	25.88	25.99	26.08	



5	QPSK	12	0	23.72	24.37	23.99	24.09	24.17	25.5
5	QPSK	12	7	23.70	24.36	23.99	24.08	24.16	
5	QPSK	12	13	23.69	24.38	23.99	24.10	24.19	
5	QPSK	25	0	23.71	24.38	23.96	24.09	24.16	25.5
5	16QAM	1	0	23.76	24.51	23.90	24.15	24.23	
5	16QAM	1	12	23.89	24.58	23.92	24.06	24.44	
5	16QAM	1	24	23.73	24.44	23.93	24.04	24.27	24.5
5	16QAM	12	0	22.69	23.48	22.96	23.14	23.24	
5	16QAM	12	7	22.64	23.39	22.93	23.11	23.23	
5	16QAM	12	13	22.69	23.43	23.03	23.17	23.25	24.5
5	16QAM	25	0	22.69	23.49	22.95	23.09	23.21	
5	64QAM	1	0	22.75	23.37	23.04	23.17	23.06	
5	64QAM	1	12	22.51	22.98	22.55	22.57	22.50	24.5
5	64QAM	1	24	22.82	23.59	23.10	23.24	23.17	
5	64QAM	12	0	21.69	22.42	21.94	21.99	22.13	
5	64QAM	12	7	21.80	22.42	21.96	22.04	22.24	23.5
5	64QAM	12	13	21.78	22.42	21.93	22.08	22.24	
5	64QAM	25	0	21.74	22.39	21.90	22.04	22.22	
5	256QAM	1	0	22.74	22.97	22.75	22.88	22.68	24.5
5	256QAM	1	12	22.70	22.90	22.73	22.82	22.59	
5	256QAM	1	24	22.62	22.88	22.67	22.78	22.56	
5	256QAM	12	0	21.75	21.94	21.82	21.86	21.67	23.5
5	256QAM	12	7	21.71	21.91	21.77	21.89	21.62	
5	256QAM	12	13	21.65	21.92	21.75	21.83	21.67	
5	256QAM	25	0	21.53	21.72	21.60	21.71	21.55	

TDD LTE Band 41 PC3_TX 1 (Index2/3)

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	24.29	24.88	24.67	24.38	24.99	25.1
20	QPSK	1	49	24.01	24.64	24.53	24.16	24.82	
20	QPSK	1	99	24.03	24.74	24.63	24.23	24.86	
20	QPSK	50	0	22.17	22.76	22.68	22.25	22.93	24.1
20	QPSK	50	24	22.16	22.77	22.66	22.30	22.97	
20	QPSK	50	50	22.24	22.87	22.70	22.33	23.00	
20	QPSK	100	0	22.26	22.84	22.65	22.37	22.97	24.1
20	16QAM	1	0	22.29	22.93	22.60	22.49	22.96	
20	16QAM	1	49	22.13	22.79	22.44	22.30	22.87	
20	16QAM	1	99	22.26	22.94	22.55	22.33	23.01	23.1
20	16QAM	50	0	21.24	21.80	21.62	21.32	22.02	
20	16QAM	50	24	21.20	21.78	21.59	21.30	22.01	
20	16QAM	50	50	21.21	21.81	21.60	21.29	22.02	23.1
20	16QAM	100	0	21.22	21.82	21.61	21.34	22.05	
20	64QAM	1	0	21.15	21.66	21.43	21.20	21.73	
20	64QAM	1	49	21.15	21.52	21.24	21.11	21.59	22.1
20	64QAM	1	99	21.25	21.60	21.36	21.21	21.77	
20	64QAM	50	0	20.22	20.79	20.59	20.31	21.01	
20	64QAM	50	24	20.15	20.76	20.53	20.24	21.01	22.8
20	64QAM	50	50	20.19	20.80	20.54	20.27	20.99	
20	64QAM	100	0	20.20	20.81	20.56	20.30	20.99	
20	256QAM	1	0	21.37	21.76	21.59	21.50	22.00	22.8
20	256QAM	1	49	21.56	21.58	21.43	21.25	21.81	
20	256QAM	1	99	21.64	21.60	21.45	21.36	21.84	



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20	256QAM	50	0	20.83	20.75	20.66	20.56	20.96	21.8
20	256QAM	50	24	20.83	20.69	20.62	20.49	21.00	
20	256QAM	50	50	20.80	20.68	20.61	20.43	20.93	
20	256QAM	100	0	20.77	20.74	20.65	20.55	21.00	
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	23.57	24.65	24.34	24.17	24.74	25.10
15	QPSK	1	37	23.99	24.70	24.45	24.04	24.86	
15	QPSK	1	74	23.74	24.53	24.14	23.94	24.63	
15	QPSK	36	0	22.15	22.45	22.21	22.22	22.53	24.1
15	QPSK	36	20	22.14	22.57	22.27	22.17	22.64	
15	QPSK	36	39	22.22	22.67	22.28	22.31	22.75	
15	QPSK	75	0	22.26	22.67	22.36	22.29	22.69	
15	16QAM	1	0	22.11	22.62	22.27	22.16	22.69	24.1
15	16QAM	1	37	22.11	22.34	22.18	22.15	22.42	
15	16QAM	1	74	22.20	22.43	22.34	22.23	22.49	
15	16QAM	36	0	21.24	21.57	21.30	21.26	21.66	23.1
15	16QAM	36	20	21.23	21.64	21.35	21.29	21.71	
15	16QAM	36	39	21.22	21.66	21.32	21.33	21.80	
15	16QAM	75	0	21.29	21.64	21.46	21.40	21.75	
15	64QAM	1	0	21.15	21.51	21.12	21.18	21.60	23.1
15	64QAM	1	37	21.23	21.59	21.27	21.20	21.79	
15	64QAM	1	74	21.15	21.50	21.28	21.15	21.60	
15	64QAM	36	0	20.25	20.66	20.36	20.37	20.74	22.1
15	64QAM	36	20	20.24	20.70	20.33	20.28	20.70	
15	64QAM	36	39	20.29	20.67	20.34	20.28	20.73	
15	64QAM	75	0	20.16	20.40	20.43	20.15	20.82	
15	256QAM	1	0	21.14	21.40	21.25	21.38	21.48	22.8
15	256QAM	1	37	21.15	21.49	21.35	21.42	21.48	
15	256QAM	1	74	21.04	21.34	21.24	21.29	21.40	
15	256QAM	36	0	20.18	20.47	20.37	20.45	20.50	21.8
15	256QAM	36	20	20.21	20.45	20.33	20.46	20.55	
15	256QAM	36	39	20.12	20.42	20.30	20.42	20.53	
15	256QAM	75	0	20.18	20.44	20.31	20.34	20.49	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.00	24.46	24.40	24.16	24.77	25.10
10	QPSK	1	25	23.87	24.38	24.44	24.15	24.78	
10	QPSK	1	49	23.77	24.38	24.26	23.94	24.59	
10	QPSK	25	0	22.12	22.58	22.55	22.15	22.82	24.1
10	QPSK	25	12	22.15	22.70	22.61	22.23	22.88	
10	QPSK	25	25	22.19	22.71	22.65	22.24	22.95	
10	QPSK	50	0	22.15	22.72	22.70	22.32	22.98	
10	16QAM	1	0	22.18	22.72	22.61	22.29	22.92	24.1
10	16QAM	1	25	22.11	22.75	22.56	22.28	22.87	
10	16QAM	1	49	22.13	22.82	22.58	22.31	22.90	
10	16QAM	25	0	21.18	21.80	21.66	21.36	21.98	23.1
10	16QAM	25	12	21.19	21.81	21.66	21.36	22.00	
10	16QAM	25	25	21.17	21.79	21.67	21.34	21.99	
10	16QAM	50	0	21.11	21.74	21.64	21.28	21.93	
10	64QAM	1	0	21.13	21.50	21.19	21.16	21.54	23.1
10	64QAM	1	25	21.19	21.59	21.34	21.12	21.78	
10	64QAM	1	49	21.17	21.52	21.23	21.18	21.72	
10	64QAM	25	0	20.18	20.80	20.58	20.32	21.00	22.1
10	64QAM	25	12	20.19	20.80	20.60	20.35	21.02	
10	64QAM	25	25	20.18	20.82	20.61	20.36	21.01	



10	64QAM	50	0	20.21	20.80	20.62	20.36	21.01	
10	256QAM	1	0	21.10	21.40	21.44	21.24	21.54	22.8
10	256QAM	1	25	21.00	21.24	21.38	21.12	21.46	
10	256QAM	1	49	20.98	21.25	21.34	21.04	21.37	
10	256QAM	25	0	20.04	20.29	20.40	20.17	20.45	21.8
10	256QAM	25	12	20.03	20.33	20.39	20.13	20.43	
10	256QAM	25	25	19.92	20.22	20.35	20.09	20.36	
10	256QAM	50	0	19.96	20.24	20.37	20.12	20.43	
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	24.27	24.72	24.70	24.50	24.98	25.10
5	QPSK	1	12	24.36	24.94	24.92	24.65	24.86	
5	QPSK	1	24	24.02	24.62	24.59	24.26	24.81	
5	QPSK	12	0	22.26	22.60	22.56	22.20	22.87	24.1
5	QPSK	12	7	22.27	22.67	22.62	22.29	22.95	
5	QPSK	12	13	22.11	22.72	22.64	22.31	22.96	
5	QPSK	25	0	22.16	22.78	22.77	22.35	23.04	
5	16QAM	1	0	22.13	22.79	22.73	22.41	23.08	24.1
5	16QAM	1	12	22.18	22.54	22.58	22.27	22.72	
5	16QAM	1	24	22.15	22.87	22.79	22.52	23.11	
5	16QAM	12	0	21.18	21.81	21.67	21.36	22.01	23.1
5	16QAM	12	7	21.19	21.81	21.65	21.37	22.04	
5	16QAM	12	13	21.15	21.83	21.66	21.37	22.04	
5	16QAM	25	0	21.27	21.90	21.78	21.49	22.11	
5	64QAM	1	0	21.14	21.65	21.44	21.15	21.75	23.1
5	64QAM	1	12	21.16	21.73	21.69	21.30	22.02	
5	64QAM	1	24	21.11	21.70	21.42	21.19	21.80	
5	64QAM	12	0	21.18	20.75	20.66	20.36	21.04	22.1
5	64QAM	12	7	20.14	20.76	20.66	20.41	21.09	
5	64QAM	12	13	20.14	20.82	20.66	20.44	21.12	
5	64QAM	25	0	20.28	20.92	20.69	20.48	21.12	
5	256QAM	1	0	21.10	21.32	21.33	21.03	21.64	22.8
5	256QAM	1	12	21.42	21.60	21.66	21.31	21.84	
5	256QAM	1	24	21.11	21.35	21.40	21.03	21.61	
5	256QAM	12	0	20.00	20.30	20.31	19.96	20.55	21.8
5	256QAM	12	7	19.99	20.20	20.30	19.91	20.53	
5	256QAM	12	13	19.97	20.17	20.28	19.88	20.53	
5	256QAM	25	0	20.07	20.27	20.38	19.98	20.62	

TDD LTE Band 41 PC2_TX 1 (Index2/3)

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	26.03	26.78	26.63	26.32	27.00	27.1
20	QPSK	1	49	25.94	26.60	26.49	26.12	26.86	
20	QPSK	1	99	26.00	26.72	26.54	26.21	26.93	
20	QPSK	50	0	24.18	24.83	24.70	24.28	25.09	25.2
20	QPSK	50	24	24.13	24.82	24.70	24.32	25.08	
20	QPSK	50	50	24.24	24.85	24.77	24.34	25.10	
20	QPSK	100	0	24.13	24.80	24.67	24.22	25.09	
20	16QAM	1	0	24.40	24.92	24.94	24.56	25.01	25.2
20	16QAM	1	49	24.07	24.79	24.62	24.17	24.89	
20	16QAM	1	99	24.18	25.07	24.70	24.28	25.14	
20	16QAM	50	0	23.14	23.87	23.72	23.24	24.08	24.2



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20	16QAM	50	24	23.11	23.89	23.67	23.25	24.07		
20	16QAM	50	50	23.10	23.89	23.65	23.31	24.06		
20	16QAM	100	0	23.20	23.87	23.64	23.32	24.13		
20	64QAM	1	0	23.33	24.01	23.81	23.51	24.13	24.2	
20	64QAM	1	49	23.10	23.90	23.66	23.30	24.16		
20	64QAM	1	99	23.29	23.98	23.77	23.43	24.20		
20	64QAM	50	0	22.22	22.86	22.65	22.29	23.13	23.2	
20	64QAM	50	24	22.17	22.94	22.60	22.32	23.14		
20	64QAM	50	50	22.24	22.92	22.58	22.35	23.19		
20	64QAM	100	0	22.24	22.90	22.63	22.34	23.18	24.2	
20	256QAM	1	0	23.19	23.76	23.84	23.30	24.16		
20	256QAM	1	49	22.89	23.47	23.57	23.01	23.79		
20	256QAM	1	99	22.95	23.44	23.62	23.06	23.91	23.2	
20	256QAM	50	0	21.84	22.40	22.55	21.98	22.78		
20	256QAM	50	24	21.88	22.41	22.58	21.95	22.79		
20	256QAM	50	50	21.89	22.55	22.64	22.02	22.91	23.2	
20	256QAM	100	0	21.91	22.58	22.66	22.05	22.91		
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	25.50	26.49	26.33	26.07	26.74	27.10	
15	QPSK	1	37	25.82	26.53	26.31	25.96	26.60		
15	QPSK	1	74	25.87	26.46	26.34	25.98	26.72		
15	QPSK	36	0	23.94	24.49	24.38	24.01	24.79	25.2	
15	QPSK	36	20	23.89	24.57	24.40	23.96	24.82		
15	QPSK	36	39	23.92	24.61	24.35	24.03	24.79		
15	QPSK	75	0	23.94	24.58	24.38	23.99	24.80	25.2	
15	16QAM	1	0	23.88	24.83	24.72	24.29	24.73		
15	16QAM	1	37	23.99	24.62	24.31	23.94	24.78		
15	16QAM	1	74	23.82	24.50	24.36	23.97	24.72	24.2	
15	16QAM	36	0	22.87	23.54	23.40	22.95	23.76		
15	16QAM	36	20	22.82	23.51	23.39	22.97	23.75		
15	16QAM	36	39	22.89	23.54	23.38	22.97	23.78	24.2	
15	16QAM	75	0	22.95	23.55	23.41	23.00	23.79		
15	64QAM	1	0	23.08	23.60	23.32	22.87	23.72		
15	64QAM	1	37	22.53	22.99	22.61	22.55	23.04	24.2	
15	64QAM	1	74	22.91	23.52	23.47	22.96	23.76		
15	64QAM	36	0	22.00	22.61	22.43	22.03	22.85		
15	64QAM	36	20	21.95	22.61	22.39	22.07	22.88	23.2	
15	64QAM	36	39	22.03	22.73	22.38	22.13	22.95		
15	64QAM	75	0	22.17	22.70	22.37	22.13	22.92		
15	256QAM	1	0	23.00	23.69	23.57	23.29	23.74	24.2	
15	256QAM	1	37	22.84	23.48	23.46	23.10	23.60		
15	256QAM	1	74	22.76	23.44	23.35	23.04	23.41		
15	256QAM	36	0	21.75	22.33	22.31	22.00	22.43	23.2	
15	256QAM	36	20	21.70	22.35	22.32	22.05	22.46		
15	256QAM	36	39	21.81	22.42	22.36	22.06	22.45		
15	256QAM	75	0	21.75	22.49	22.38	22.05	22.46	23.2	
Channel				39700	40160	40620	41080	41540		Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.87	26.46	26.29	26.05	26.70	27.10	
10	QPSK	1	25	25.93	26.51	26.48	26.14	26.86		
10	QPSK	1	49	25.81	26.38	26.32	25.97	26.65		
10	QPSK	25	0	23.90	24.46	24.36	24.01	24.68	25.2	
10	QPSK	25	12	23.88	24.45	24.38	24.02	24.78		
10	QPSK	25	25	23.89	24.53	24.36	24.03	24.79		
10	QPSK	50	0	23.97	24.59	24.43	24.08	24.81	25.2	



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10	16QAM	1	0	23.97	24.49	24.67	24.37	24.92	25.2
10	16QAM	1	25	23.59	24.18	24.01	23.99	24.26	
10	16QAM	1	49	23.93	24.58	24.36	24.38	24.67	
10	16QAM	25	0	22.92	23.60	23.47	23.07	23.81	24.2
10	16QAM	25	12	22.91	23.58	23.46	23.08	23.84	
10	16QAM	25	25	22.84	23.60	23.48	23.09	23.85	
10	16QAM	50	0	22.94	23.55	23.46	23.04	23.80	24.2
10	64QAM	1	0	23.05	23.70	23.66	23.04	24.00	
10	64QAM	1	25	23.18	23.90	23.88	23.15	24.20	
10	64QAM	1	49	22.92	23.55	23.60	23.07	23.77	23.2
10	64QAM	25	0	21.98	22.56	22.40	22.06	22.79	
10	64QAM	25	12	21.97	22.58	22.38	22.10	22.86	
10	64QAM	25	25	22.13	22.62	22.39	22.18	22.86	24.2
10	64QAM	50	0	22.04	22.69	22.40	22.17	22.90	
10	256QAM	1	0	22.95	23.35	23.28	23.22	23.77	
10	256QAM	1	25	22.61	22.83	22.78	22.65	23.16	23.2
10	256QAM	1	49	22.68	23.17	23.11	23.02	23.52	
10	256QAM	25	0	21.81	22.22	22.20	22.04	22.65	
10	256QAM	25	12	21.88	22.29	22.27	22.17	22.75	23.2
10	256QAM	25	25	21.85	22.23	22.23	22.12	22.62	
10	256QAM	50	0	21.94	22.38	22.37	22.23	22.82	
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	25.88	26.42	26.30	26.06	26.67	27.10
5	QPSK	1	12	25.38	26.06	25.99	25.65	26.35	
5	QPSK	1	24	25.74	26.39	26.29	25.96	26.59	
5	QPSK	12	0	23.84	24.47	24.36	24.00	24.68	25.2
5	QPSK	12	7	23.82	24.46	24.37	24.00	24.72	
5	QPSK	12	13	23.88	24.52	24.36	24.03	24.71	
5	QPSK	25	0	23.87	24.52	24.33	24.03	24.67	25.2
5	16QAM	1	0	23.85	24.61	24.44	24.10	24.80	
5	16QAM	1	12	24.00	24.86	24.54	24.26	24.98	
5	16QAM	1	24	23.90	24.50	24.31	24.07	24.64	24.2
5	16QAM	12	0	22.79	23.59	23.43	22.99	23.76	
5	16QAM	12	7	22.84	23.55	23.45	23.00	23.85	
5	16QAM	12	13	22.87	23.60	23.43	23.06	23.80	24.2
5	16QAM	25	0	22.92	23.63	23.47	23.07	23.82	
5	64QAM	1	0	23.06	23.68	23.74	23.18	24.04	
5	64QAM	1	12	22.59	23.34	23.10	22.79	23.57	24.2
5	64QAM	1	24	22.94	23.70	23.62	23.25	24.00	
5	64QAM	12	0	22.01	22.48	22.37	22.04	22.79	
5	64QAM	12	7	22.11	22.54	22.35	22.12	22.86	23.2
5	64QAM	12	13	22.11	22.60	22.35	22.11	22.87	
5	64QAM	25	0	21.99	22.63	22.34	22.11	22.88	
5	256QAM	1	0	22.98	23.35	23.27	23.24	23.78	24.2
5	256QAM	1	12	23.07	23.45	23.43	23.37	23.89	
5	256QAM	1	24	22.88	23.33	23.25	23.22	23.72	
5	256QAM	12	0	21.92	22.27	22.28	22.21	22.73	23.2
5	256QAM	12	7	21.99	22.31	22.29	22.22	22.70	
5	256QAM	12	13	21.92	22.30	22.28	22.15	22.76	
5	256QAM	25	0	21.99	22.34	22.30	22.20	22.71	



TDD LTE Band 48_TX 0 (Index2/3)

Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	24.30	24.59	24.58	24.42	24.7
20	QPSK	1	49	24.14	24.38	24.39	24.18	
20	QPSK	1	99	24.15	24.34	24.37	24.13	
20	QPSK	50	0	23.63	23.79	23.78	23.63	24.5
20	QPSK	50	24	23.55	23.77	23.77	23.55	
20	QPSK	50	50	23.53	23.71	23.72	23.47	
20	QPSK	100	0	23.57	23.74	23.73	23.56	24.5
20	16QAM	1	0	23.63	23.94	23.98	23.69	
20	16QAM	1	49	23.47	23.70	23.77	23.46	
20	16QAM	1	99	23.50	23.74	23.72	23.44	23.5
20	16QAM	50	0	22.54	22.87	22.84	22.60	
20	16QAM	50	24	22.52	22.83	22.81	22.52	
20	16QAM	50	50	22.45	22.76	22.72	22.43	23.5
20	16QAM	100	0	22.50	22.78	22.76	22.52	
20	64QAM	1	0	22.49	22.64	22.76	22.55	
20	64QAM	1	49	22.33	22.55	22.48	22.38	
20	64QAM	1	99	22.30	22.52	22.49	22.39	
20	64QAM	50	0	21.55	21.84	21.83	21.59	22.5
20	64QAM	50	24	21.39	21.84	21.75	21.50	
20	64QAM	50	50	21.47	21.75	21.70	21.45	
20	64QAM	100	0	21.47	21.73	21.73	21.51	20.5
20	256QAM	1	0	18.94	18.97	19.14	18.98	
20	256QAM	1	49	19.12	19.20	19.36	19.37	
20	256QAM	1	99	19.17	19.20	19.33	19.31	20.5
20	256QAM	50	0	19.35	19.42	19.51	19.49	
20	256QAM	50	24	19.35	19.40	19.49	19.52	
20	256QAM	50	50	19.44	19.54	19.69	19.68	20.5
20	256QAM	100	0	19.35	19.39	19.46	19.51	
Channel				55315	55820	56160	56665	
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	24.24	24.58	24.48	24.32	24.7
15	QPSK	1	37	24.00	24.32	24.30	24.12	
15	QPSK	1	74	24.01	24.16	24.28	24.02	
15	QPSK	36	0	23.32	23.39	23.31	23.30	24.5
15	QPSK	36	20	23.15	23.32	23.36	23.17	
15	QPSK	36	39	23.17	23.32	23.36	23.07	
15	QPSK	75	0	23.08	23.43	23.39	23.09	24.5
15	16QAM	1	0	23.82	24.03	24.00	23.75	
15	16QAM	1	37	24.23	24.18	24.33	24.15	
15	16QAM	1	74	23.70	23.83	23.84	23.60	23.5
15	16QAM	36	0	22.68	22.88	22.94	22.74	
15	16QAM	36	20	22.65	22.81	22.87	22.70	
15	16QAM	36	39	22.60	22.79	22.82	22.78	23.5
15	16QAM	75	0	22.65	22.86	22.91	22.63	
15	64QAM	1	0	22.55	22.82	22.84	22.58	
15	64QAM	1	37	22.70	23.10	22.85	22.70	
15	64QAM	1	74	22.41	22.64	22.62	22.45	
15	64QAM	36	0	21.70	21.88	21.91	21.72	22.5
15	64QAM	36	20	21.63	21.81	21.88	21.58	
15	64QAM	36	39	21.61	21.79	21.83	21.55	



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15	64QAM	75	0	21.65	21.85	21.87	21.60	
15	256QAM	1	0	19.38	19.65	19.58	19.42	20.5
15	256QAM	1	37	19.44	19.68	19.58	19.48	
15	256QAM	1	74	19.34	19.53	19.49	19.28	
15	256QAM	36	0	19.48	19.70	19.66	19.50	20.5
15	256QAM	36	20	19.50	19.69	19.63	19.47	
15	256QAM	36	39	19.48	19.68	19.62	19.48	
15	256QAM	75	0	19.53	19.80	19.68	19.57	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	24.30	24.53	24.38	24.41	24.7
10	QPSK	1	25	24.08	24.19	24.23	24.09	
10	QPSK	1	49	24.11	24.33	24.31	23.96	
10	QPSK	25	0	23.25	23.30	23.41	23.15	24.5
10	QPSK	25	12	23.22	23.30	23.45	23.24	
10	QPSK	25	25	23.18	23.22	23.29	23.13	
10	QPSK	50	0	23.22	23.26	23.31	23.07	
10	16QAM	1	0	23.68	23.92	24.06	23.83	24.5
10	16QAM	1	25	23.96	24.17	24.35	24.07	
10	16QAM	1	49	23.61	23.81	23.86	23.66	
10	16QAM	25	0	22.69	22.95	22.97	22.79	23.5
10	16QAM	25	12	22.68	22.91	22.88	22.72	
10	16QAM	25	25	22.66	22.86	22.87	22.69	
10	16QAM	50	0	22.65	22.94	22.93	22.66	
10	64QAM	1	0	22.56	22.78	22.78	22.57	23.5
10	64QAM	1	25	22.70	22.97	22.94	22.94	
10	64QAM	1	49	22.44	22.66	22.67	22.41	
10	64QAM	25	0	21.63	21.83	21.91	21.70	22.5
10	64QAM	25	12	21.58	21.80	21.86	21.80	
10	64QAM	25	25	21.56	21.81	21.83	21.75	
10	64QAM	50	0	21.60	21.94	21.89	21.83	
10	256QAM	1	0	19.45	19.57	19.59	19.49	20.5
10	256QAM	1	25	19.57	19.69	19.62	19.54	
10	256QAM	1	49	19.35	19.39	19.43	19.35	
10	256QAM	25	0	19.51	19.59	19.60	19.55	20.5
10	256QAM	25	12	19.49	19.58	19.60	19.50	
10	256QAM	25	25	19.48	19.53	19.55	19.49	
10	256QAM	50	0	19.54	19.63	19.58	19.49	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	24.30	24.47	24.40	24.25	24.7
5	QPSK	1	12	24.08	24.22	24.39	23.98	
5	QPSK	1	24	23.97	24.32	24.19	24.13	
5	QPSK	12	0	23.17	23.46	23.39	23.26	24.5
5	QPSK	12	7	23.17	23.47	23.41	23.16	
5	QPSK	12	13	23.07	23.23	23.22	23.00	
5	QPSK	25	0	23.15	23.42	23.38	23.08	
5	16QAM	1	0	23.65	23.82	24.04	23.91	24.5
5	16QAM	1	12	24.03	24.22	24.43	24.15	
5	16QAM	1	24	23.59	23.86	23.94	23.71	
5	16QAM	12	0	22.55	22.82	22.86	22.64	23.5
5	16QAM	12	7	22.54	22.74	22.85	22.59	
5	16QAM	12	13	22.53	22.78	22.80	22.62	
5	16QAM	25	0	22.65	22.85	22.93	22.70	
5	64QAM	1	0	22.47	22.74	22.71	22.45	23.5
5	64QAM	1	12	22.63	23.14	22.78	22.83	



5	64QAM	1	24	22.42	22.68	22.70	22.36	22.5
5	64QAM	12	0	21.53	21.75	21.83	21.61	
5	64QAM	12	7	21.52	21.73	21.76	21.60	
5	64QAM	12	13	21.48	21.71	21.79	21.57	
5	64QAM	25	0	21.56	21.81	21.83	21.60	20.5
5	256QAM	1	0	19.45	19.48	19.54	19.69	
5	256QAM	1	12	19.72	19.71	19.74	19.96	
5	256QAM	1	24	19.39	19.41	19.44	19.60	20.5
5	256QAM	12	0	19.50	19.49	19.55	19.66	
5	256QAM	12	7	19.51	19.53	19.59	19.69	
5	256QAM	12	13	19.43	19.38	19.47	19.64	
5	256QAM	25	0	19.50	19.43	19.49	19.69	

TDD LTE Band 48_TX 1 (Index2/3)

Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	22.96	23.17	23.36	23.46	24.2
20	QPSK	1	49	22.93	23.04	23.24	23.36	
20	QPSK	1	99	22.96	23.16	23.31	23.37	
20	QPSK	50	0	22.06	22.20	22.49	22.55	23.2
20	QPSK	50	24	21.96	22.04	22.43	22.45	
20	QPSK	50	50	21.98	22.17	22.39	22.75	
20	QPSK	100	0	21.99	22.36	22.22	22.52	23.2
20	16QAM	1	0	21.98	22.34	22.35	22.47	
20	16QAM	1	49	21.97	22.01	22.29	22.54	
20	16QAM	1	99	21.91	22.05	22.11	22.49	22.2
20	16QAM	50	0	20.97	21.19	21.25	21.35	
20	16QAM	50	24	21.05	21.04	21.40	21.41	
20	16QAM	50	50	20.91	21.18	21.36	21.34	22.2
20	16QAM	100	0	20.91	21.15	21.35	21.41	
20	64QAM	1	0	20.92	21.18	21.26	21.65	
20	64QAM	1	49	20.95	21.05	21.05	21.20	22.2
20	64QAM	1	99	20.99	20.99	21.17	21.11	
20	64QAM	50	0	20.09	20.22	20.49	20.61	
20	64QAM	50	24	19.99	20.33	20.39	20.71	21.2
20	64QAM	50	50	19.97	20.12	20.43	20.47	
20	64QAM	100	0	20.03	19.98	20.15	20.65	
20	256QAM	1	0	17.90	18.19	18.18	18.27	19.2
20	256QAM	1	49	17.90	17.99	17.98	18.16	
20	256QAM	1	99	17.92	17.97	18.00	18.66	
20	256QAM	50	0	17.92	18.25	18.31	18.50	19.2
20	256QAM	50	24	18.06	18.14	18.19	18.46	
20	256QAM	50	50	17.90	18.13	18.12	18.44	
20	256QAM	100	0	17.96	18.39	18.41	18.27	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	22.96	23.13	23.28	23.40	24.2
15	QPSK	1	37	22.91	22.96	23.18	23.36	
15	QPSK	1	74	22.94	23.12	23.27	23.36	
15	QPSK	36	0	22.03	22.12	22.48	22.47	23.2
15	QPSK	36	20	21.93	22.01	22.41	22.45	
15	QPSK	36	39	21.93	22.10	22.36	22.72	
15	QPSK	75	0	21.95	22.32	22.20	22.48	



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15	16QAM	1	0	21.97	22.29	22.31	22.39	23.2
15	16QAM	1	37	21.91	21.91	22.26	22.45	
15	16QAM	1	74	21.93	22.02	22.04	22.44	
15	16QAM	36	0	20.92	21.11	21.25	21.26	22.2
15	16QAM	36	20	20.98	20.95	21.34	21.34	
15	16QAM	36	39	20.95	21.09	21.35	21.28	
15	16QAM	75	0	20.94	21.07	21.29	21.36	22.2
15	64QAM	1	0	20.93	21.14	21.25	21.59	
15	64QAM	1	37	20.95	21.04	20.97	21.18	
15	64QAM	1	74	20.94	20.97	21.07	21.01	21.2
15	64QAM	36	0	20.06	20.17	20.49	20.58	
15	64QAM	36	20	19.91	20.30	20.30	20.68	
15	64QAM	36	39	19.98	20.10	20.37	20.40	19.2
15	64QAM	75	0	20.02	19.90	20.15	20.57	
15	256QAM	1	0	17.97	18.13	18.15	18.24	
15	256QAM	1	37	17.92	17.90	17.90	18.14	19.2
15	256QAM	1	74	17.92	17.95	17.90	18.64	
15	256QAM	36	0	17.92	18.21	18.28	18.43	
15	256QAM	36	20	17.98	18.07	18.10	18.38	19.2
15	256QAM	36	39	17.99	18.06	18.08	18.37	
15	256QAM	75	0	18.01	18.38	18.32	18.25	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	22.95	23.08	23.35	23.45	24.2
10	QPSK	1	25	22.92	22.99	23.16	23.35	
10	QPSK	1	49	22.95	23.06	23.29	23.28	
10	QPSK	25	0	22.02	22.15	22.44	22.54	23.2
10	QPSK	25	12	21.90	21.98	22.40	22.41	
10	QPSK	25	25	21.99	22.10	22.38	22.67	
10	QPSK	50	0	21.98	22.31	22.18	22.50	23.2
10	16QAM	1	0	21.98	22.27	22.31	22.39	
10	16QAM	1	25	21.97	21.93	22.29	22.50	
10	16QAM	1	49	21.91	22.00	22.04	22.44	22.2
10	16QAM	25	0	20.90	21.18	21.22	21.29	
10	16QAM	25	12	20.98	21.04	21.40	21.36	
10	16QAM	25	25	20.95	21.10	21.33	21.27	22.2
10	16QAM	50	0	20.97	21.14	21.33	21.34	
10	64QAM	1	0	20.92	21.08	21.17	21.56	
10	64QAM	1	25	20.95	20.99	20.95	21.19	22.2
10	64QAM	1	49	20.95	20.98	21.12	21.06	
10	64QAM	25	0	20.01	20.17	20.39	20.58	
10	64QAM	25	12	19.91	20.28	20.37	20.67	21.2
10	64QAM	25	25	19.93	20.04	20.40	20.42	
10	64QAM	50	0	20.02	19.98	20.07	20.58	
10	256QAM	1	0	17.96	18.13	18.16	18.25	19.2
10	256QAM	1	25	17.99	17.98	17.95	18.14	
10	256QAM	1	49	17.91	17.97	17.96	18.62	
10	256QAM	25	0	17.96	18.15	18.29	18.44	19.2
10	256QAM	25	12	18.05	18.11	18.13	18.43	
10	256QAM	25	25	17.98	18.09	18.02	18.42	
10	256QAM	50	0	18.01	18.33	18.37	18.25	Tune-up limit (dBm)
Channel				55265	55810	56170	56715	
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	22.94	23.07	23.29	23.42	24.2
5	QPSK	1	12	22.93	23.01	23.21	23.33	
5	QPSK	1	24	22.94	23.13	23.29	23.31	



5	QPSK	12	0	22.01	22.12	22.40	22.45	23.2
5	QPSK	12	7	21.91	21.95	22.39	22.39	
5	QPSK	12	13	21.95	22.13	22.39	22.75	
5	QPSK	25	0	21.90	22.33	22.16	22.49	
5	16QAM	1	0	21.94	22.25	22.33	22.37	23.2
5	16QAM	1	12	21.93	21.98	22.20	22.45	
5	16QAM	1	24	21.96	21.95	22.05	22.39	
5	16QAM	12	0	20.93	21.12	21.24	21.27	22.2
5	16QAM	12	7	20.97	20.98	21.36	21.36	
5	16QAM	12	13	20.91	21.16	21.33	21.31	
5	16QAM	25	0	20.97	21.15	21.29	21.33	
5	64QAM	1	0	20.96	21.08	21.22	21.62	22.2
5	64QAM	1	12	20.93	20.98	21.05	21.16	
5	64QAM	1	24	20.91	20.91	21.13	21.07	
5	64QAM	12	0	20.05	20.18	20.45	20.51	21.2
5	64QAM	12	7	19.99	20.28	20.33	20.65	
5	64QAM	12	13	19.90	20.04	20.33	20.43	
5	64QAM	25	0	20.03	19.92	20.12	20.60	
5	256QAM	1	0	17.99	18.15	18.12	18.22	19.2
5	256QAM	1	12	17.98	17.96	17.94	18.11	
5	256QAM	1	24	17.98	17.98	17.94	18.57	
5	256QAM	12	0	17.99	18.18	18.21	18.49	19.2
5	256QAM	12	7	18.03	18.13	18.14	18.42	
5	256QAM	12	13	18.03	18.07	18.09	18.38	
5	256QAM	25	0	17.98	18.34	18.37	18.19	

FDD FR1 n2_TX 0 (Index2)

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				372000	376000	380000	17.5
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	15.93	15.95	15.94	
20	PI/2 BPSK	1	53	15.87	15.90	15.85	17.5
20	PI/2 BPSK	1	104	15.84	15.86	15.86	
20	PI/2 BPSK	50	0	15.79	15.86	15.86	
20	PI/2 BPSK	50	28	15.82	15.88	15.87	17.5
20	PI/2 BPSK	50	56	15.75	15.81	15.80	
20	PI/2 BPSK	100	0	15.93	15.94	15.85	
20	QPSK	1	1	15.76	15.85	15.77	17.5
20	QPSK	1	53	15.71	15.81	15.71	
20	QPSK	1	104	15.77	15.83	15.74	
20	QPSK	50	0	15.76	15.83	15.82	17.5
20	QPSK	50	28	15.70	15.81	15.78	
20	QPSK	50	56	15.85	15.88	15.83	
20	QPSK	100	0	15.80	15.83	15.83	17.5
20	16QAM	1	1	15.72	15.81	15.72	
20	64QAM	1	1	15.79	15.83	15.75	
20	256QAM	1	1	15.68	15.74	15.64	17.5
Channel				371500	376000	380500	17.5
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	15.90	15.85	15.89	
Channel				371000	376000	381000	



Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	15.93	15.94	15.94	17.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	15.89	15.90	15.84	17.5

FDD FR1 n2_TX 0 (Index3)

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				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	15.93	15.95	15.94	16.3
20	PI/2 BPSK	1	53	15.87	15.90	15.85	
20	PI/2 BPSK	1	104	15.84	15.86	15.86	
20	PI/2 BPSK	50	0	15.79	15.86	15.86	16.3
20	PI/2 BPSK	50	28	15.82	15.88	15.87	16.3
20	PI/2 BPSK	50	56	15.75	15.81	15.80	16.3
20	PI/2 BPSK	100	0	15.93	15.94	15.85	
20	QPSK	1	1	15.76	15.85	15.77	16.3
20	QPSK	1	53	15.71	15.81	15.71	
20	QPSK	1	104	15.77	15.83	15.74	
20	QPSK	50	0	15.76	15.83	15.82	16.3
20	QPSK	50	28	15.70	15.81	15.78	16.3
20	QPSK	50	56	15.85	15.88	15.83	16.3
20	QPSK	100	0	15.80	15.83	15.83	
20	16QAM	1	1	15.72	15.81	15.72	16.3
20	64QAM	1	1	15.79	15.83	15.75	16.3
20	256QAM	1	1	15.68	15.74	15.64	16.3
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	15.90	15.85	15.89	16.3
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	15.93	15.94	15.94	16.3
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	15.89	15.90	15.84	16.3

FDD FR1 n2_TX 1 (Index2)

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				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.42	23.44	23.41	25.3
20	PI/2 BPSK	1	53	23.37	23.38	23.35	
20	PI/2 BPSK	1	104	23.37	23.37	23.34	
20	PI/2 BPSK	50	0	22.88	22.91	22.81	24.8
20	PI/2 BPSK	50	28	23.30	23.33	23.30	25.3
20	PI/2 BPSK	50	56	23.30	23.38	23.30	24.8
20	PI/2 BPSK	100	0	23.18	23.22	23.12	
20	QPSK	1	1	23.30	23.38	23.33	24.8
20	QPSK	1	53	23.22	23.27	23.18	
20	QPSK	1	104	23.27	23.29	23.16	



20	QPSK	50	0	22.60	22.66	22.55	23.0
20	QPSK	50	28	22.95	23.04	22.94	24.8
20	QPSK	50	56	22.24	22.23	22.20	23.0
20	QPSK	100	0	22.44	22.48	22.40	
20	16QAM	1	1	22.80	22.85	22.77	24.3
20	64QAM	1	1	22.17	22.28	22.21	22.8
20	256QAM	1	1	18.83	18.92	18.89	20.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.35	23.34	23.38	25.3
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.39	23.37	23.32	25.3
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.31	23.38	23.39	25.3

FDD FR1 n2_TX 1 (Index3)

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				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.42	23.44	23.41	24.3
20	PI/2 BPSK	1	53	23.37	23.38	23.35	
20	PI/2 BPSK	1	104	23.37	23.37	23.34	
20	PI/2 BPSK	50	0	22.88	22.91	22.81	24.3
20	PI/2 BPSK	50	28	23.30	23.33	23.30	24.3
20	PI/2 BPSK	50	56	23.30	23.38	23.30	24.3
20	PI/2 BPSK	100	0	23.18	23.22	23.12	
20	QPSK	1	1	23.30	23.38	23.33	24.3
20	QPSK	1	53	23.22	23.27	23.18	
20	QPSK	1	104	23.27	23.29	23.16	
20	QPSK	50	0	22.60	22.66	22.55	23.0
20	QPSK	50	28	22.95	23.04	22.94	24.3
20	QPSK	50	56	22.24	22.23	22.20	23.0
20	QPSK	100	0	22.44	22.48	22.40	
20	16QAM	1	1	22.80	22.85	22.77	24.3
20	64QAM	1	1	22.17	22.28	22.21	22.8
20	256QAM	1	1	18.83	18.92	18.89	20.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.35	23.34	23.38	24.3
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.39	23.37	23.32	24.3
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.31	23.28	23.29	24.3

FDD FR1 n5_TX 0 (Index2/3)

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				166800	167300	167800	Tune-up limit (dBm)



Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.58	24.54	24.56	25.5
20	PI/2 BPSK	1	53	24.61	24.67	24.64	
20	PI/2 BPSK	1	104	24.53	24.51	24.44	
20	PI/2 BPSK	50	0	23.95	23.96	23.94	25.0
20	PI/2 BPSK	50	28	24.48	24.48	24.43	25.5
20	PI/2 BPSK	50	56	24.05	24.02	23.98	25.0
20	PI/2 BPSK	100	0	23.96	23.95	23.95	
20	QPSK	1	1	24.49	24.48	24.50	
20	QPSK	1	53	24.61	24.65	24.57	25.5
20	QPSK	1	104	24.50	24.50	24.51	
20	QPSK	50	0	23.04	23.03	22.95	
20	QPSK	50	28	24.43	24.46	24.46	24.5
20	QPSK	50	56	23.04	23.00	22.95	24.5
20	QPSK	100	0	23.01	23.00	22.94	
20	16QAM	1	1	23.56	23.57	23.55	
20	64QAM	1	1	20.87	20.89	20.88	21.6
20	256QAM	1	1	18.45	18.51	18.43	19.1
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.66	24.63	24.64	25.5
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.62	24.65	24.52	25.5
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.58	24.62	24.58	25.5

FDD FR1 n5_TX 1 (Index2)

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	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.19	23.18	23.18	25.0
20	PI/2 BPSK	1	53	23.21	23.28	23.19	
20	PI/2 BPSK	1	104	23.15	23.18	23.09	
20	PI/2 BPSK	50	0	22.66	22.65	22.58	24.5
20	PI/2 BPSK	50	28	23.10	23.16	23.09	25.0
20	PI/2 BPSK	50	56	22.56	22.65	22.61	24.5
20	PI/2 BPSK	100	0	22.59	22.62	22.62	
20	QPSK	1	1	23.14	23.15	23.12	
20	QPSK	1	53	23.24	23.27	23.27	25.0
20	QPSK	1	104	23.13	23.17	23.13	
20	QPSK	50	0	22.76	22.77	22.72	
20	QPSK	50	28	23.08	23.13	23.12	24.5
20	QPSK	50	56	22.82	22.86	22.83	24.5
20	QPSK	100	0	22.77	22.83	22.74	
20	16QAM	1	1	23.17	23.18	23.10	
20	64QAM	1	1	20.67	20.68	20.58	21.1
20	256QAM	1	1	18.30	18.33	18.26	19.1
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.23	23.27	23.27	25.0
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	



10	PI/2 BPSK	1	1	23.25	23.26	23.27	25.0
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.26	23.23	23.27	25.0

FDD FR1 n5_TX 1 (Index3)

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	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.19	23.18	23.18	23.8
20	PI/2 BPSK	1	53	23.21	23.28	23.19	
20	PI/2 BPSK	1	104	23.15	23.18	23.09	
20	PI/2 BPSK	50	0	22.66	22.65	22.58	23.8
20	PI/2 BPSK	50	28	23.10	23.16	23.09	23.8
20	PI/2 BPSK	50	56	22.56	22.65	22.61	23.8
20	PI/2 BPSK	100	0	22.59	22.62	22.62	
20	QPSK	1	1	23.14	23.15	23.12	23.8
20	QPSK	1	53	23.24	23.27	23.27	
20	QPSK	1	104	23.13	23.17	23.13	
20	QPSK	50	0	22.76	22.77	22.72	23.8
20	QPSK	50	28	23.08	23.13	23.12	23.8
20	QPSK	50	56	22.82	22.86	22.83	23.8
20	QPSK	100	0	22.77	22.83	22.74	
20	16QAM	1	1	23.17	23.18	23.10	23.8
20	64QAM	1	1	20.67	20.68	20.58	21.1
20	256QAM	1	1	18.30	18.33	18.26	19.1
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.23	23.27	23.27	23.8
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.25	23.26	23.27	23.8
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.26	23.23	23.27	23.8

FDD FR1 n7_TX 0 (Index2)

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	Tune-up limit (dBm)
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	24.96	25.06	24.89	25.5
50	PI/2 BPSK	1	135	24.73	24.89	24.65	
50	PI/2 BPSK	1	268	24.69	24.84	24.60	
50	PI/2 BPSK	135	0	24.19	24.39	24.16	25.0
50	PI/2 BPSK	135	68	24.57	24.69	24.46	25.5
50	PI/2 BPSK	135	135	24.11	24.25	24.08	25.0
50	PI/2 BPSK	270	0	24.23	24.35	24.18	
50	QPSK	1	1	24.88	25.05	24.83	25.5
50	QPSK	1	135	24.69	24.84	24.61	
50	QPSK	1	268	24.59	24.77	24.53	
50	QPSK	135	0	22.27	22.32	22.19	22.6



50	QPSK	135	68	24.43	24.58	24.31	25.5
50	QPSK	135	135	22.09	22.28	22.03	22.6
50	QPSK	270	0	22.16	22.33	22.07	
50	16QAM	1	1	23.93	24.12	23.85	24.5
50	64QAM	1	1	22.53	22.66	22.39	23.0
50	256QAM	1	1	19.04	19.18	19.08	21.0
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	24.86	24.97	24.93	25.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	24.86	24.91	24.72	25.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	24.83	24.82	24.67	25.5
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	25.03	24.86	24.91	25.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	24.95	24.98	24.75	25.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	24.94	24.91	24.86	25.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	24.97	24.89	24.89	25.5

FDD FR1 n7_TX 0 (Index3)

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	Tune-up limit (dBm)
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	24.96	25.06	24.89	25.1
50	PI/2 BPSK	1	135	24.73	24.89	24.65	
50	PI/2 BPSK	1	268	24.69	24.84	24.60	
50	PI/2 BPSK	135	0	24.19	24.39	24.16	25.0
50	PI/2 BPSK	135	68	24.57	24.69	24.46	25.1
50	PI/2 BPSK	135	135	24.11	24.25	24.08	25.0
50	PI/2 BPSK	270	0	24.23	24.35	24.18	
50	QPSK	1	1	24.88	25.05	24.83	25.1
50	QPSK	1	135	24.69	24.84	24.61	
50	QPSK	1	268	24.59	24.77	24.53	
50	QPSK	135	0	22.27	22.32	22.19	22.6
50	QPSK	135	68	24.43	24.58	24.31	25.1
50	QPSK	135	135	22.09	22.28	22.03	22.6
50	QPSK	270	0	22.16	22.33	22.07	
50	16QAM	1	1	23.93	24.12	23.85	24.5
50	64QAM	1	1	22.53	22.66	22.39	23.0
50	256QAM	1	1	19.04	19.18	19.08	21.0
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	24.86	24.97	24.93	25.1
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	



30	PI/2 BPSK	1	1	24.86	24.91	24.72	25.1
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	24.83	24.82	24.67	25.1
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	25.03	24.86	24.91	25.1
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	24.95	24.98	24.75	25.1
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	24.94	24.91	24.86	25.1
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	24.97	24.89	24.89	25.1

FDD FR1 n7_TX 1 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	23.96	24.04	23.93	25.1
50	PI/2 BPSK	1	135	23.66	23.82	23.71	
50	PI/2 BPSK	1	268	23.64	23.80	23.67	
50	PI/2 BPSK	135	0	23.33	23.41	23.23	24.6
50	PI/2 BPSK	135	68	23.67	23.96	23.70	25.1
50	PI/2 BPSK	135	135	23.11	23.24	23.10	24.6
50	PI/2 BPSK	270	0	23.25	23.33	23.20	
50	QPSK	1	1	23.89	24.03	23.85	25.1
50	QPSK	1	135	23.83	24.00	23.81	
50	QPSK	1	268	23.74	23.90	23.70	
50	QPSK	135	0	21.41	21.52	21.37	22.1
50	QPSK	135	68	23.57	23.95	23.69	25.1
50	QPSK	135	135	21.20	21.31	21.13	22.1
50	QPSK	270	0	21.30	21.47	21.35	
50	16QAM	1	1	23.21	23.32	23.18	24.1
50	64QAM	1	1	21.52	21.65	21.53	22.6
50	256QAM	1	1	18.01	18.15	17.98	19.1
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	24.03	24.01	24.01	25.1
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.94	23.91	23.89	25.1
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.97	23.95	23.99	25.1
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.98	23.96	23.98	25.1
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	24.02	23.94	23.92	25.1
Channel				501000	507000	513000	



Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	24.00	23.92	23.91	25.1
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	24.03	23.90	23.87	25.1

FDD FR1 n12_TX 0 (Index2/3)

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				141300	141500	141700	25.5
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	24.52	24.57	24.49	
15	PI/2 BPSK	1	40	24.37	24.46	24.33	25.0
15	PI/2 BPSK	1	77	24.52	24.56	24.42	
15	PI/2 BPSK	36	0	23.94	24.01	23.97	25.5
15	PI/2 BPSK	36	22	24.50	24.51	24.39	
15	PI/2 BPSK	36	43	23.92	24.02	23.95	25.0
15	PI/2 BPSK	75	0	23.96	23.98	23.87	
15	QPSK	1	1	24.40	24.49	24.38	25.5
15	QPSK	1	40	24.32	24.42	24.34	
15	QPSK	1	77	24.48	24.54	24.48	
15	QPSK	36	0	22.82	22.88	22.81	24.5
15	QPSK	36	22	24.46	24.47	24.41	25.5
15	QPSK	36	43	22.88	22.95	22.82	24.5
15	QPSK	75	0	22.85	22.96	22.88	
15	16QAM	1	1	23.47	23.51	23.38	24.5
15	64QAM	1	1	20.85	20.86	20.85	22.1
	256QAM	1	1	18.49	18.51	18.44	19.1
Channel				140800	141500	142200	25.5
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.46	24.48	24.51	25.5
Channel				140300	141500	142700	25.5
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.49	24.52	24.52	25.5

FDD FR1 n12_TX 1 (Index2/3)

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	25.5
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	24.67	24.68	24.66	
15	PI/2 BPSK	1	40	24.51	24.53	24.52	25.0
15	PI/2 BPSK	1	77	24.61	24.64	24.56	
15	PI/2 BPSK	36	0	24.05	24.09	24.06	25.5
15	PI/2 BPSK	36	22	24.48	24.55	24.54	
15	PI/2 BPSK	36	43	23.98	24.06	23.97	25.0
15	PI/2 BPSK	75	0	24.07	24.08	24.04	
15	QPSK	1	1	24.56	24.56	24.56	25.5
15	QPSK	1	40	24.53	24.54	24.54	
15	QPSK	1	77	24.59	24.60	24.56	
15	QPSK	36	0	22.93	22.98	22.88	24.5
15	QPSK	36	22	24.47	24.56	24.48	25.5
15	QPSK	36	43	23.00	23.05	23.03	24.5



15	QPSK	75	0	23.00	23.05	23.02	
15	16QAM	1	1	23.50	23.56	23.48	24.5
15	64QAM	1	1	20.84	20.86	20.84	21.6
	256QAM	1	1	18.45	18.54	18.54	19.6
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.66	24.67	24.66	25.5
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.60	24.67	24.63	25.5

FDD FR1 n14_TX 0 (Index2/3)

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					158600		Tune-up limit (dBm)
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		25.10		25.5
10	PI/2 BPSK	1	26		25.04		
10	PI/2 BPSK	1	50		25.02		
10	PI/2 BPSK	25	0		24.56		25.0
10	PI/2 BPSK	25	14		24.95		25.5
10	PI/2 BPSK	25	27		24.57		25.0
10	PI/2 BPSK	50	0		24.58		
10	QPSK	1	1		25.00		25.5
10	QPSK	1	26		24.97		
10	QPSK	1	50		24.98		
10	QPSK	25	0		24.08		24.5
10	QPSK	25	14		24.96		25.5
10	QPSK	25	27		24.03		24.5
10	QPSK	50	0		24.04		
10	16QAM	1	1		24.02		24.5
10	64QAM	1	1		22.51		23.0
10	256QAM	1	1		20.53		21.0
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	25.09	25.04	25.08	25.5

FDD FR1 n14_TX 1 (Index2)

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					158600		Tune-up limit (dBm)
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		22.97		24.5
10	PI/2 BPSK	1	26		22.91		
10	PI/2 BPSK	1	50		22.89		
10	PI/2 BPSK	25	0		22.80		24.0
10	PI/2 BPSK	25	14		22.84		24.5
10	PI/2 BPSK	25	27		22.71		24.0
10	PI/2 BPSK	50	0		22.73		
10	QPSK	1	1		22.94		24.5
10	QPSK	1	26		22.89		
10	QPSK	1	50		22.86		
10	QPSK	25	0		22.26		23.5



10	QPSK	25	14		22.82		24.5
10	QPSK	25	27		22.29		23.5
10	QPSK	50	0		21.94		
10	16QAM	1	1		21.96		23.5
10	64QAM	1	1		21.43		23.0
10	256QAM	1	1		19.35		21.0
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	22.93	22.90	22.94	24.5

FDD FR1 n14_TX 1 (Index3)

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					158600		Tune-up limit (dBm)
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		22.97		23.3
10	PI/2 BPSK	1	26		22.91		
10	PI/2 BPSK	1	50		22.89		
10	PI/2 BPSK	25	0		22.80		23.3
10	PI/2 BPSK	25	14		22.84		23.3
10	PI/2 BPSK	25	27		22.71		23.3
10	PI/2 BPSK	50	0		22.73		
10	QPSK	1	1		22.94		23.3
10	QPSK	1	26		22.89		
10	QPSK	1	50		22.86		
10	QPSK	25	0		22.26		23.3
10	QPSK	25	14		22.82		23.3
10	QPSK	25	27		22.29		23.3
10	QPSK	50	0		21.94		
10	16QAM	1	1		21.96		23.3
10	64QAM	1	1		21.43		23.0
10	256QAM	1	1		19.35		21.0
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	22.93	22.90	22.94	23.3

FDD FR1 n25_TX 0 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	24.34	24.69	24.37	25.5
40	PI/2 BPSK	1	108	24.64	24.99	24.62	
40	PI/2 BPSK	1	214	24.16	24.56	24.14	
40	PI/2 BPSK	108	0	23.83	24.25	23.87	25.0
40	PI/2 BPSK	108	54	24.44	24.85	24.51	25.5
40	PI/2 BPSK	108	108	23.91	24.30	23.95	25.0
40	PI/2 BPSK	216	0	23.96	24.37	24.01	
40	QPSK	1	1	24.42	24.81	24.49	25.5
40	QPSK	1	108	24.62	24.98	24.60	
40	QPSK	1	214	24.25	24.67	24.30	
40	QPSK	108	0	21.87	22.25	21.90	23.1
40	QPSK	108	54	24.43	24.86	24.44	25.5



40	QPSK	108	108	22.01	22.38	22.00	23.1
40	QPSK	216	0	21.98	22.34	21.99	
40	16QAM	1	1	23.45	23.89	23.51	24.5
40	64QAM	1	1	21.78	22.23	21.84	23.0
40	256QAM	1	1	18.29	18.71	18.39	19.6
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	24.89	24.91	24.94	25.5
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	24.75	24.79	24.85	25.5
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	24.89	24.92	24.87	25.5
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	24.73	24.82	24.78	25.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	24.83	24.86	24.92	25.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	24.92	24.91	24.85	25.5

FDD FR1 n25_TX 1 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	24.15	24.09	24.07	25.3
40	PI/2 BPSK	1	108	24.35	24.37	24.27	
40	PI/2 BPSK	1	214	23.85	23.86	23.80	
40	PI/2 BPSK	108	0	23.59	23.60	23.56	24.8
40	PI/2 BPSK	108	54	24.18	24.12	24.04	25.3
40	PI/2 BPSK	108	108	23.47	23.49	23.45	24.8
40	PI/2 BPSK	216	0	23.63	23.66	23.54	
40	QPSK	1	1	24.04	24.08	24.02	25.3
40	QPSK	1	108	24.33	24.35	24.24	
40	QPSK	1	214	23.88	23.87	23.79	
40	QPSK	108	0	21.58	21.53	21.44	22.6
40	QPSK	108	54	24.17	24.13	24.09	25.3
40	QPSK	108	108	21.55	21.53	21.41	22.6
40	QPSK	216	0	21.60	21.57	21.54	
40	16QAM	1	1	23.12	23.06	23.02	24.3
40	64QAM	1	1	21.56	21.52	21.40	22.8
40	256QAM	1	1	18.03	17.99	17.88	19.1
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	24.31	24.18	24.23	25.3
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	24.27	24.35	24.30	25.3
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	24.27	24.16	24.34	25.3



Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	24.34	24.36	23.89	25.3
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	24.34	24.27	24.33	25.3
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	24.12	24.30	24.07	25.3

FDD FR1 n30_TX 0 (Index2/3)

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					462000		Tune-up limit (dBm)
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.19		22.9
10	PI/2 BPSK	1	26		22.32		
10	PI/2 BPSK	1	50		22.23		
10	PI/2 BPSK	25	0		22.20		22.9
10	PI/2 BPSK	25	14		22.26		22.9
10	PI/2 BPSK	25	27		22.23		22.9
10	PI/2 BPSK	50	0		22.24		
10	QPSK	1	1		22.25		22.9
10	QPSK	1	26		22.25		
10	QPSK	1	50		22.21		
10	QPSK	25	0		22.28		22.9
10	QPSK	25	14		22.21		22.9
10	QPSK	25	27		22.28		22.9
10	QPSK	50	0		22.27		
10	16QAM	1	1		22.17		22.9
10	64QAM	1	1		22.29		22.9
10	256QAM	1	1		18.75		20.1
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.08	22.08	22.00	22.9

FDD FR1 n30_TX 1 (Index2/3)

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					462000		Tune-up limit (dBm)
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.78		23.1
10	PI/2 BPSK	1	26		22.80		
10	PI/2 BPSK	1	50		22.64		
10	PI/2 BPSK	25	0		22.22		23.1
10	PI/2 BPSK	25	14		22.69		23.1
10	PI/2 BPSK	25	27		22.18		23.1
10	PI/2 BPSK	50	0		22.27		
10	QPSK	1	1		22.76		23.1
10	QPSK	1	26		22.75		
10	QPSK	1	50		22.68		
10	QPSK	25	0		21.23		22.3
10	QPSK	25	14		22.66		23.1



10	QPSK	25	27		21.24		22.3
10	QPSK	50	0		21.24		
10	16QAM	1	1		22.55		23.1
10	64QAM	1	1		21.27		22.6
10	256QAM	1	1		17.68		18.8
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.78	22.70	22.74	23.1

FDD FR1 n66_TX 0 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	25.00	24.95	24.85	25.5
40	PI/2 BPSK	1	108	25.06	25.07	24.89	
40	PI/2 BPSK	1	214	24.78	24.76	24.56	
40	PI/2 BPSK	108	0	24.39	24.39	24.24	25.0
40	PI/2 BPSK	108	54	24.88	24.89	24.76	25.5
40	PI/2 BPSK	108	108	24.30	24.26	24.14	25.0
40	PI/2 BPSK	216	0	24.30	24.31	24.12	
40	QPSK	1	1	24.76	24.79	24.63	25.5
40	QPSK	1	108	24.95	24.97	24.84	
40	QPSK	1	214	24.63	24.65	24.48	
40	QPSK	108	0	22.26	22.26	22.11	23.1
40	QPSK	108	54	24.83	24.80	24.62	25.5
40	QPSK	108	108	22.19	22.24	22.09	23.1
40	QPSK	216	0	22.22	22.26	22.06	
40	16QAM	1	1	23.89	23.92	23.74	24.5
40	64QAM	1	1	22.30	22.32	22.20	23.0
40	256QAM	1	1	18.81	18.79	18.68	20.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.87	24.89	24.73	25.5
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	24.96	24.82	24.72	25.5
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	25.05	24.91	24.93	25.5
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	25.02	24.91	24.86	25.5
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	25.01	24.94	24.82	25.5
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.91	24.90	24.81	25.5

FDD FR1 n66_TX 0 (Index2)

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				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	16.42	16.50	16.38	17.8
40	PI/2 BPSK	1	108	16.30	16.48	16.29	
40	PI/2 BPSK	1	214	16.32	16.45	16.23	
40	PI/2 BPSK	108	0	16.28	16.46	16.14	17.8
40	PI/2 BPSK	108	54	16.32	16.42	16.24	17.8
40	PI/2 BPSK	108	108	16.33	16.41	16.27	17.8
40	PI/2 BPSK	216	0	16.14	16.41	16.11	
40	QPSK	1	1	16.32	16.48	16.31	17.8
40	QPSK	1	108	16.33	16.45	16.21	
40	QPSK	1	214	16.22	16.41	16.17	
40	QPSK	108	0	16.24	16.43	16.29	17.8
40	QPSK	108	54	16.18	16.42	16.19	17.8
40	QPSK	108	108	16.21	16.45	16.15	17.8
40	QPSK	216	0	16.27	16.43	16.27	
40	16QAM	1	1	16.18	16.43	16.17	17.8
40	64QAM	1	1	16.22	16.47	16.20	17.8
40	256QAM	1	1	16.19	16.39	16.19	17.8
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	16.23	16.39	16.28	17.8
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	16.23	16.41	16.24	17.8
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	16.30	16.42	16.36	17.8
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	16.33	16.31	16.23	17.8
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	16.28	16.39	16.32	17.8
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	16.32	16.25	16.35	17.8

FDD FR1 n66_TX 0 (Index3)

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				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	16.42	16.50	16.38	16.6
40	PI/2 BPSK	1	108	16.30	16.48	16.29	
40	PI/2 BPSK	1	214	16.32	16.45	16.23	
40	PI/2 BPSK	108	0	16.28	16.46	16.14	16.6
40	PI/2 BPSK	108	54	16.32	16.42	16.24	16.6
40	PI/2 BPSK	108	108	16.33	16.41	16.27	16.6
40	PI/2 BPSK	216	0	16.14	16.41	16.11	
40	QPSK	1	1	16.32	16.48	16.31	16.6
40	QPSK	1	108	16.33	16.45	16.21	
40	QPSK	1	214	16.22	16.41	16.17	
40	QPSK	108	0	16.24	16.43	16.29	16.6
40	QPSK	108	54	16.18	16.42	16.19	16.6



40	QPSK	108	108	16.21	16.45	16.15	16.6
40	QPSK	216	0	16.27	16.43	16.27	
40	16QAM	1	1	16.18	16.43	16.17	16.6
40	64QAM	1	1	16.22	16.47	16.20	16.6
40	256QAM	1	1	16.19	16.39	16.19	16.6
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	16.23	16.39	16.28	16.6
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	16.23	16.41	16.24	16.6
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	16.30	16.42	16.36	16.6
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	16.33	16.31	16.23	16.6
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	16.28	16.39	16.32	16.6
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	16.32	16.25	16.35	16.6

FDD FR1 n66_TX 1 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	24.06	23.85	23.97	25.3
40	PI/2 BPSK	1	108	24.28	24.29	24.19	
40	PI/2 BPSK	1	214	23.93	23.82	23.88	
40	PI/2 BPSK	108	0	23.63	23.44	23.48	24.8
40	PI/2 BPSK	108	54	24.18	24.20	24.07	25.3
40	PI/2 BPSK	108	108	23.57	23.39	23.49	24.8
40	PI/2 BPSK	216	0	23.58	23.38	23.49	
40	QPSK	1	1	24.13	23.96	24.00	25.3
40	QPSK	1	108	24.25	24.11	24.15	
40	QPSK	1	214	24.05	23.90	24.02	
40	QPSK	108	0	21.61	21.45	21.50	22.6
40	QPSK	108	54	24.14	23.98	24.06	25.3
40	QPSK	108	108	21.53	21.40	21.51	22.6
40	QPSK	216	0	21.47	21.36	21.38	
40	16QAM	1	1	23.15	23.01	23.08	24.3
40	64QAM	1	1	21.49	21.36	21.47	22.8
40	256QAM	1	1	18.05	17.94	18.03	19.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.25	24.19	24.28	25.3
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	24.26	24.22	24.16	25.3
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	24.23	24.17	24.21	25.3



Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.21	24.14	24.18	25.3
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.18	24.17	24.25	25.3
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.07	24.06	24.16	25.3

FDD FR1 n66_TX 1 (Index2/3)

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				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	24.22	24.30	24.12	25.3
40	PI/2 BPSK	1	108	24.10	24.28	24.05	
40	PI/2 BPSK	1	214	23.97	24.05	23.80	
40	PI/2 BPSK	108	0	24.14	24.26	24.00	24.8
40	PI/2 BPSK	108	54	24.07	24.15	23.92	25.3
40	PI/2 BPSK	108	108	24.04	24.12	23.87	24.8
40	PI/2 BPSK	216	0	23.99	24.14	23.89	
40	QPSK	1	1	24.09	24.19	23.96	25.3
40	QPSK	1	108	24.12	24.24	23.99	
40	QPSK	1	214	23.96	24.04	23.82	
40	QPSK	108	0	22.17	22.35	22.08	23.0
40	QPSK	108	54	24.10	24.21	23.94	25.3
40	QPSK	108	108	22.11	22.25	22.06	23.0
40	QPSK	216	0	22.03	22.21	21.93	
40	16QAM	1	1	23.69	23.81	23.62	24.3
40	64QAM	1	1	22.09	22.20	22.02	22.8
40	256QAM	1	1	18.64	18.82	18.64	20.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.11	24.25	24.08	25.3
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	24.12	24.28	24.09	25.3
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	24.09	24.18	24.04	25.3
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.15	24.15	24.10	25.3
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.08	24.12	24.06	25.3
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.17	24.23	24.12	25.3



FDD FR1 n71_TX 0 (Index2/3)

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				134600	136100	137600	25.5
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.47	24.54	24.46	25.5
20	PI/2 BPSK	1	53	24.50	24.62	24.53	
20	PI/2 BPSK	1	104	24.36	24.48	24.30	
20	PI/2 BPSK	50	0	23.92	23.99	23.82	25.0
20	PI/2 BPSK	50	28	24.29	24.45	24.32	25.5
20	PI/2 BPSK	50	56	23.87	23.96	23.83	25.0
20	PI/2 BPSK	100	0	23.81	23.98	23.84	
20	QPSK	1	1	24.39	24.54	24.37	25.5
20	QPSK	1	53	24.52	24.61	24.53	
20	QPSK	1	104	24.33	24.45	24.28	
20	QPSK	50	0	22.75	22.92	22.75	24.5
20	QPSK	50	28	24.36	24.43	24.35	25.5
20	QPSK	50	56	22.85	22.92	22.80	24.5
20	QPSK	100	0	22.79	22.92	22.77	
20	16QAM	1	1	23.37	23.53	23.42	24.5
20	64QAM	1	1	20.77	20.84	20.80	22.1
20	256QAM	1	1	18.36	18.53	18.36	19.6
Channel				134100	136100	138100	25.5
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.48	24.52	24.48	25.5
Channel				133600	136100	138600	25.5
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.49	24.56	24.47	25.5
Channel				133100	136100	139100	25.5
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.52	24.51	24.49	25.5

FDD FR1 n71_TX 1 (Index2)

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				134600	136100	137600	24.8
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.19	23.16	23.15	24.8
20	PI/2 BPSK	1	53	23.36	23.25	23.19	
20	PI/2 BPSK	1	104	23.04	22.92	22.85	
20	PI/2 BPSK	50	0	23.19	23.13	23.10	24.8
20	PI/2 BPSK	50	28	23.21	23.16	23.10	24.8
20	PI/2 BPSK	50	56	23.04	23.00	22.95	24.8
20	PI/2 BPSK	100	0	23.12	23.07	22.99	
20	QPSK	1	1	23.19	23.18	23.12	24.8
20	QPSK	1	53	23.20	23.20	23.10	
20	QPSK	1	104	23.06	22.92	22.85	
20	QPSK	50	0	23.25	23.15	23.04	24.5
20	QPSK	50	28	23.16	23.08	22.98	24.8
20	QPSK	50	56	23.01	22.96	22.85	24.5
20	QPSK	100	0	23.06	23.06	23.01	
20	16QAM	1	1	23.30	23.18	23.10	24.5
20	64QAM	1	1	21.40	21.29	21.18	22.1



20	256QAM	1	1	18.89	18.78	18.70	19.6
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.04	23.01	23.06	24.8
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	22.98	23.10	23.12	24.8
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	22.95	22.99	23.01	24.8

FDD FR1 n71_TX 1 (Index3)

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				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.19	23.16	23.15	23.6
20	PI/2 BPSK	1	53	23.36	23.25	23.19	
20	PI/2 BPSK	1	104	23.04	22.92	22.85	
20	PI/2 BPSK	50	0	23.19	23.13	23.10	23.6
20	PI/2 BPSK	50	28	23.21	23.16	23.10	23.6
20	PI/2 BPSK	50	56	23.04	23.00	22.95	23.6
20	PI/2 BPSK	100	0	23.12	23.07	22.99	
20	QPSK	1	1	23.19	23.18	23.12	23.6
20	QPSK	1	53	23.20	23.20	23.10	
20	QPSK	1	104	23.06	22.92	22.85	
20	QPSK	50	0	23.25	23.15	23.04	23.6
20	QPSK	50	28	23.16	23.08	22.98	23.6
20	QPSK	50	56	23.01	22.96	22.85	23.6
20	QPSK	100	0	23.06	23.06	23.01	
20	16QAM	1	1	23.30	23.18	23.10	23.6
20	64QAM	1	1	21.40	21.29	21.18	22.1
20	256QAM	1	1	18.89	18.78	18.70	19.6
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.04	23.01	23.06	23.6
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	22.98	23.10	23.12	23.6
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	22.95	22.99	23.01	23.6



TDD FR1 n38 PC3_TX 0 (Index2)

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				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	17.01	17.05	16.97	18.7
20	PI/2 BPSK	1	26	16.92	16.96	16.88	
20	PI/2 BPSK	1	49	16.86	16.97	16.89	
20	PI/2 BPSK	25	0	16.88	16.98	16.82	18.7
20	PI/2 BPSK	25	13	16.91	16.96	16.84	18.7
20	PI/2 BPSK	25	26	16.79	16.90	16.82	18.7
20	PI/2 BPSK	50	0	16.83	16.96	16.79	
20	QPSK	1	1	16.80	16.93	16.79	18.7
20	QPSK	1	26	16.82	16.92	16.78	
20	QPSK	1	49	16.78	16.88	16.75	
20	QPSK	25	0	16.91	16.97	16.85	18.7
20	QPSK	25	13	16.75	16.88	16.79	
20	QPSK	25	26	16.86	16.93	16.85	
20	QPSK	50	0	16.88	16.94	16.78	18.7
20	16QAM	1	1	16.90	17.00	16.90	18.7
20	64QAM	1	1	16.85	16.94	16.82	18.7
20	256QAM	1	1	16.82	16.92	16.79	18.7
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	16.98	16.99	16.92	18.7
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	16.92	16.98	16.94	18.7

TDD FR1 n38 PC3_TX 0 (Index3)

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	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	17.01	17.05	16.97	17.5
20	PI/2 BPSK	1	26	16.92	16.96	16.88	
20	PI/2 BPSK	1	49	16.86	16.97	16.89	
20	PI/2 BPSK	25	0	16.88	16.98	16.82	17.5
20	PI/2 BPSK	25	13	16.91	16.96	16.84	17.5
20	PI/2 BPSK	25	26	16.79	16.90	16.82	17.5
20	PI/2 BPSK	50	0	16.83	16.96	16.79	
20	QPSK	1	1	16.80	16.93	16.79	17.5
20	QPSK	1	26	16.82	16.92	16.78	
20	QPSK	1	49	16.78	16.88	16.75	
20	QPSK	25	0	16.91	16.97	16.85	17.5
20	QPSK	25	13	16.75	16.88	16.79	
20	QPSK	25	26	16.86	16.93	16.85	
20	QPSK	50	0	16.88	16.94	16.78	17.5
20	16QAM	1	1	16.90	17.00	16.90	17.5
20	64QAM	1	1	16.85	16.94	16.82	17.5
20	256QAM	1	1	16.82	16.92	16.79	17.5
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	16.98	16.99	16.92	17.5



Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	16.92	16.98	16.94	17.5

TDD FR1 n38 PC3_TX 0 (Index2/3)

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	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	24.44	24.33	24.23	25.5
20	PI/2 BPSK	1	26	24.37	24.26	24.09	
20	PI/2 BPSK	1	49	24.34	24.20	24.06	
20	PI/2 BPSK	25	0	23.83	23.63	23.61	25.0
20	PI/2 BPSK	25	13	24.22	24.07	23.97	25.5
20	PI/2 BPSK	25	26	23.79	23.62	23.48	
20	PI/2 BPSK	50	0	23.82	23.61	23.58	25.0
20	QPSK	1	1	24.27	24.15	24.02	
20	QPSK	1	26	24.22	24.03	23.95	25.5
20	QPSK	1	49	24.20	24.03	23.91	
20	QPSK	25	0	22.00	21.81	21.70	
20	QPSK	25	13	24.15	24.00	23.94	25.5
20	QPSK	25	26	21.98	21.86	21.72	22.5
20	QPSK	50	0	22.09	21.90	21.86	23.5
20	16QAM	1	1	23.44	23.29	23.19	24.5
20	64QAM	1	1	22.23	22.08	21.94	23.0
20	256QAM	1	1	18.83	18.64	18.57	20.5
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	24.37	24.25	24.06	25.5
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	24.21	24.14	24.04	25.5

TDD FR1 n38 PC3_TX 1 (Index2)

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				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.38	22.44	22.39	24.2
20	PI/2 BPSK	1	26	22.21	22.37	22.25	
20	PI/2 BPSK	1	49	22.25	22.38	22.27	
20	PI/2 BPSK	25	0	22.23	22.36	22.25	24.2
20	PI/2 BPSK	25	13	22.32	22.38	22.30	24.2
20	PI/2 BPSK	25	26	22.33	22.42	22.34	
20	PI/2 BPSK	50	0	22.24	22.38	22.28	24.2
20	QPSK	1	1	22.31	22.41	22.30	
20	QPSK	1	26	22.24	22.35	22.23	24.2
20	QPSK	1	49	22.33	22.40	22.33	
20	QPSK	25	0	22.22	22.38	22.27	
20	QPSK	25	13	22.36	22.42	22.33	24.2
20	QPSK	25	26	22.27	22.35	22.22	
20	QPSK	50	0	22.25	22.37	22.26	24.1
20	16QAM	1	1	22.30	22.43	22.37	24.1



20	64QAM	1	1	21.94	22.00	21.89	22.6
20	256QAM	1	1	18.42	18.49	18.40	20.0
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	22.27	22.41	22.42	24.2
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	22.32	22.37	22.30	24.2

TDD FR1 n38 PC3_TX 1 (Index3)

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				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.38	22.44	22.39	23.0
20	PI/2 BPSK	1	26	22.21	22.37	22.25	
20	PI/2 BPSK	1	49	22.25	22.38	22.27	
20	PI/2 BPSK	25	0	22.23	22.36	22.25	23.0
20	PI/2 BPSK	25	13	22.32	22.38	22.30	23.0
20	PI/2 BPSK	25	26	22.33	22.42	22.34	23.0
20	PI/2 BPSK	50	0	22.24	22.38	22.28	
20	QPSK	1	1	22.31	22.41	22.30	23.0
20	QPSK	1	26	22.24	22.35	22.23	
20	QPSK	1	49	22.33	22.40	22.33	
20	QPSK	25	0	22.22	22.38	22.27	23.0
20	QPSK	25	13	22.36	22.42	22.33	
20	QPSK	25	26	22.27	22.35	22.22	
20	QPSK	50	0	22.25	22.37	22.26	23.0
20	16QAM	1	1	22.30	22.43	22.37	23.0
20	64QAM	1	1	21.94	22.00	21.89	22.6
20	256QAM	1	1	18.42	18.49	18.40	20.0
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	22.27	22.41	22.42	23.0
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	22.32	22.37	22.30	23.0

TDD FR1 n38 PC3_TX 1 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.75	23.68	23.49	24.5
20	PI/2 BPSK	1	26	23.46	23.45	23.17	
20	PI/2 BPSK	1	49	23.39	23.36	23.09	
20	PI/2 BPSK	25	0	23.20	23.14	22.90	24.0
20	PI/2 BPSK	25	13	23.48	23.45	23.21	24.5
20	PI/2 BPSK	25	26	22.94	22.91	22.65	24.0
20	PI/2 BPSK	50	0	23.16	23.15	22.89	
20	QPSK	1	1	23.65	23.63	23.36	24.5
20	QPSK	1	26	23.55	23.51	23.24	
20	QPSK	1	49	23.27	23.28	23.09	



20	QPSK	25	0	21.90	21.93	21.73	22.6
20	QPSK	25	13	23.62	23.57	23.35	24.5
20	QPSK	25	26	21.70	21.72	21.48	22.6
20	QPSK	50	0	21.82	21.84	21.61	22.6
20	16QAM	1	1	23.23	23.23	22.96	24.1
20	64QAM	1	1	21.96	21.99	21.78	22.6
20	256QAM	1	1	19.64	19.58	19.32	20.6
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	23.69	23.63	23.44	24.5
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	23.64	23.65	23.38	24.5

TDD FR1 n41 PC3_TX 0 (Index2)

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				509202	518598	528000	18.7
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.38	17.37	17.40	18.7
100	PI/2 BPSK	1	137	16.85	16.87	16.85	
100	PI/2 BPSK	1	271	16.86	16.95	16.96	
100	PI/2 BPSK	135	0	16.85	16.90	16.89	18.7
100	PI/2 BPSK	135	69	16.80	16.89	16.84	18.7
100	PI/2 BPSK	135	138	16.72	16.71	16.88	18.7
100	PI/2 BPSK	270	0	16.77	16.81	16.84	
100	QPSK	1	1	17.19	17.28	17.23	18.7
100	QPSK	1	137	16.76	16.85	16.88	
100	QPSK	1	271	16.95	16.95	16.94	
100	QPSK	135	0	16.95	16.94	16.97	18.7
100	QPSK	135	69	16.84	16.72	16.72	
100	QPSK	135	138	16.80	16.87	16.70	
100	QPSK	270	0	16.83	16.84	16.82	18.7
100	16QAM	1	1	17.28	17.33	17.34	18.7
100	64QAM	1	1	17.20	17.27	17.26	18.7
100	256QAM	1	1	17.26	17.31	17.33	18.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.18	17.33	17.35	18.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.19	17.32	17.35	18.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.29	17.30	17.33	18.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.23	17.37	17.38	18.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	17.18	17.17	17.37	18.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.20	17.24	17.35	18.7
Channel				501204	518598	535998	



Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.33	17.18	17.34	18.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.38	17.24	17.24	18.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.32	17.23	17.20	18.7

TDD FR1 n41 PC2_TX 0 (Index2)

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				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.36	20.43	20.42	21.7
100	PI/2 BPSK	1	137	19.78	19.73	19.84	
100	PI/2 BPSK	1	271	19.80	19.95	19.88	
100	PI/2 BPSK	135	0	19.84	19.98	19.90	21.7
100	PI/2 BPSK	135	69	19.76	19.73	19.72	21.7
100	PI/2 BPSK	135	138	19.72	19.89	19.87	21.7
100	PI/2 BPSK	270	0	19.75	19.88	19.79	
100	QPSK	1	1	20.23	20.37	20.36	21.7
100	QPSK	1	137	19.84	19.74	19.70	
100	QPSK	1	271	19.84	19.92	19.87	
100	QPSK	135	0	19.78	19.95	19.91	21.7
100	QPSK	135	69	19.83	19.71	19.88	
100	QPSK	135	138	19.75	19.75	19.76	
100	QPSK	270	0	19.78	19.86	19.77	21.7
100	16QAM	1	1	20.34	20.41	20.37	21.7
100	64QAM	1	1	20.19	20.31	20.22	21.7
100	256QAM	1	1	20.16	20.32	20.25	21.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.25	20.26	20.40	21.7
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.35	20.42	20.27	21.7
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.33	20.38	20.31	21.7
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.27	20.41	20.25	21.7
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.31	20.35	20.25	21.7
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.31	20.41	20.24	21.7
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.17	20.40	20.39	21.7
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	



15	PI/2 BPSK	1	1	20.26	20.23	20.38	21.7
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.21	20.32	20.31	21.7

TDD FR1 n41 MIMO PC1.5_TX 0 (Index2)

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				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	QPSK	1	1	23.28	23.25	23.24	24.7

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	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	QPSK	1	1	26.18	26.26	26.23	26.5

TDD FR1 n41 PC3_TX 0 (Index3)

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				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.38	17.37	17.40	17.5
100	PI/2 BPSK	1	137	16.85	16.87	16.85	
100	PI/2 BPSK	1	271	16.86	16.95	16.96	
100	PI/2 BPSK	135	0	16.85	16.90	16.89	17.5
100	PI/2 BPSK	135	69	16.80	16.89	16.84	17.5
100	PI/2 BPSK	135	138	16.72	16.71	16.88	17.5
100	PI/2 BPSK	270	0	16.77	16.81	16.84	
100	QPSK	1	1	17.19	17.28	17.23	17.5
100	QPSK	1	137	16.76	16.85	16.88	
100	QPSK	1	271	16.95	16.95	16.94	
100	QPSK	135	0	16.95	16.94	16.97	17.5
100	QPSK	135	69	16.84	16.72	16.72	
100	QPSK	135	138	16.80	16.87	16.70	
100	QPSK	270	0	16.83	16.84	16.82	17.5
100	16QAM	1	1	17.28	17.33	17.34	17.5
100	64QAM	1	1	17.20	17.27	17.26	17.5
100	256QAM	1	1	17.26	17.31	17.33	17.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.18	17.33	17.35	17.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.19	17.32	17.35	17.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.29	17.30	17.33	17.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.23	17.37	17.38	17.5



Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	17.18	17.17	17.37	17.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.20	17.24	17.35	17.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.33	17.18	17.34	17.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.38	17.24	17.24	17.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.32	17.23	17.20	17.5

TDD FR1 n41 PC2_TX 0 (Index3)

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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.36	20.43	20.42	20.5
100	PI/2 BPSK	1	137	19.78	19.73	19.84	
100	PI/2 BPSK	1	271	19.80	19.95	19.88	
100	PI/2 BPSK	135	0	19.84	19.98	19.90	20.5
100	PI/2 BPSK	135	69	19.76	19.73	19.72	20.5
100	PI/2 BPSK	135	138	19.72	19.89	19.87	20.5
100	PI/2 BPSK	270	0	19.75	19.88	19.79	
100	QPSK	1	1	20.23	20.37	20.36	20.5
100	QPSK	1	137	19.84	19.74	19.70	
100	QPSK	1	271	19.84	19.92	19.87	
100	QPSK	135	0	19.78	19.95	19.91	20.5
100	QPSK	135	69	19.83	19.71	19.88	
100	QPSK	135	138	19.75	19.75	19.76	
100	QPSK	270	0	19.78	19.86	19.77	20.5
100	16QAM	1	1	20.34	20.41	20.37	20.5
100	64QAM	1	1	20.19	20.31	20.22	20.5
100	256QAM	1	1	20.16	20.32	20.25	20.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.25	20.26	20.40	20.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.35	20.42	20.27	20.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.33	20.38	20.31	20.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.27	20.41	20.25	20.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.31	20.35	20.25	20.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	



30	PI/2 BPSK	1	1	20.31	20.41	20.24	20.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.17	20.40	20.39	20.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.26	20.23	20.38	20.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.21	20.32	20.31	20.5

TDD FR1 n41 MIMO PC1.5_TX 0 (Index3)

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				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.28	23.25	23.24	23.5

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	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.18	26.26	26.23	26.5

TDD FR1 n41 PC3_TX 0 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.85	24.63	24.47	25.5
100	PI/2 BPSK	1	137	23.71	23.87	23.69	
100	PI/2 BPSK	1	271	24.03	24.24	24.03	
100	PI/2 BPSK	135	0	23.90	24.13	23.96	25.0
100	PI/2 BPSK	135	69	23.69	23.88	23.71	25.5
100	PI/2 BPSK	135	138	23.66	23.87	23.68	25.0
100	PI/2 BPSK	270	0	23.75	23.92	23.76	
100	QPSK	1	1	24.35	24.58	24.41	25.5
100	QPSK	1	137	23.68	23.87	23.68	
100	QPSK	1	271	24.09	24.26	24.02	
100	QPSK	135	0	23.86	24.08	23.92	25.5
100	QPSK	135	69	23.54	23.77	23.58	
100	QPSK	135	138	23.56	23.75	23.56	
100	QPSK	270	0	23.62	23.78	23.54	24.5
100	16QAM	1	1	24.36	24.40	24.36	25.5
100	64QAM	1	1	23.91	24.07	23.81	24.5
100	256QAM	1	1	22.32	22.55	22.38	23.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.80	24.22	24.18	25.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.77	24.18	24.19	25.5



Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.65	24.25	24.19	25.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.72	24.13	24.05	25.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.75	24.20	24.09	25.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.67	24.23	24.11	25.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.74	24.24	24.16	25.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.79	24.18	24.08	25.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.65	24.21	24.15	25.5

TDD FR1 n41 PC2_TX 0 (Index2/3)

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	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.90	26.88	26.79	27.5
100	PI/2 BPSK	1	137	26.45	26.73	26.40	
100	PI/2 BPSK	1	271	26.83	26.82	26.79	
100	PI/2 BPSK	135	0	26.36	26.32	26.30	27.0
100	PI/2 BPSK	135	69	26.51	26.69	26.51	27.5
100	PI/2 BPSK	135	138	26.07	26.25	26.04	27.0
100	PI/2 BPSK	270	0	26.10	26.37	26.08	
100	QPSK	1	1	26.89	26.77	26.88	27.5
100	QPSK	1	137	26.48	26.75	26.40	
100	QPSK	1	271	26.83	26.82	26.79	
100	QPSK	135	0	26.38	26.58	26.32	27.0
100	QPSK	135	69	26.49	26.68	26.47	27.5
100	QPSK	135	138	26.08	26.32	25.99	27.0
100	QPSK	270	0	26.11	26.38	26.02	26.5
100	16QAM	1	1	26.09	26.28	26.06	26.5
100	64QAM	1	1	24.72	24.94	24.66	25.0
100	256QAM	1	1	22.75	22.93	22.72	23.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.73	26.69	26.61	27.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.88	26.78	26.63	27.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.74	26.74	26.59	27.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	



50	PI/2 BPSK	1	1	26.72	26.69	26.71	27.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.81	26.72	26.59	27.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.78	26.86	26.69	27.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.78	26.88	26.62	27.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	26.77	26.82	26.76	27.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	26.79	26.88	26.66	27.5

TDD FR1 n41 PC3_TX 1 (Index2)

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				509202	518598	528000	24.2
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.99	22.89	22.75	24.2
100	PI/2 BPSK	1	137	22.24	22.42	22.29	
100	PI/2 BPSK	1	271	22.43	22.43	22.26	
100	PI/2 BPSK	135	0	22.46	22.40	22.25	24.2
100	PI/2 BPSK	135	69	22.30	22.22	22.30	24.2
100	PI/2 BPSK	135	138	22.24	22.22	22.35	24.2
100	PI/2 BPSK	270	0	22.34	22.34	22.41	
100	QPSK	1	1	22.92	22.88	22.67	24.2
100	QPSK	1	137	22.49	22.45	22.28	
100	QPSK	1	271	22.47	22.45	22.28	
100	QPSK	135	0	22.40	22.40	22.24	24.2
100	QPSK	135	69	22.48	22.47	22.27	
100	QPSK	135	138	22.24	22.49	22.25	
100	QPSK	270	0	22.32	22.28	22.37	24.1
100	16QAM	1	1	22.90	22.88	22.67	24.1
100	64QAM	1	1	21.84	21.77	21.62	22.6
100	256QAM	1	1	19.89	19.76	19.65	20.6
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.83	22.73	22.70	24.2
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.79	22.71	22.64	24.2
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.81	22.79	22.62	24.2
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.95	22.87	22.59	24.2
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.95	22.71	22.60	24.2
Channel				502200	518598	534996	



Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.96	22.76	22.61	24.2
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.97	22.80	22.55	24.2
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.81	22.84	22.57	24.2
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.95	22.76	22.73	24.2

TDD FR1 n41 PC2_TX 1 (Index2)

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				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.74	25.68	25.40	26.5
100	PI/2 BPSK	1	137	25.25	25.25	25.10	26.5
100	PI/2 BPSK	1	271	25.08	25.11	24.78	26.0
100	PI/2 BPSK	135	0	25.10	25.14	24.76	26.0
100	PI/2 BPSK	135	69	24.96	24.90	24.57	26.5
100	PI/2 BPSK	135	138	25.00	24.94	24.66	26.0
100	PI/2 BPSK	270	0	25.04	25.07	24.73	
100	QPSK	1	1	25.60	25.63	25.34	26.5
100	QPSK	1	137	24.85	24.83	24.57	
100	QPSK	1	271	25.14	25.15	24.81	
100	QPSK	135	0	25.16	25.10	24.72	26.5
100	QPSK	135	69	24.85	24.85	24.51	
100	QPSK	135	138	24.84	24.86	24.51	
100	QPSK	270	0	25.10	25.07	24.76	25.5
100	16QAM	1	1	24.63	24.61	24.25	25.5
100	64QAM	1	1	23.51	23.54	23.22	24.0
100	256QAM	1	1	21.61	21.51	21.29	22.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.70	25.48	25.21	26.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.56	25.67	25.20	26.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.66	25.52	25.24	26.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.56	25.64	25.23	26.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.57	25.57	25.39	26.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.55	25.59	25.27	26.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	



20	PI/2 BPSK	1	1	25.59	25.66	25.30	26.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.55	25.67	25.35	26.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.66	25.53	25.27	26.5

TDD FR1 n41 MIMO PC1.5_TX 1 (Index2)

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	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	QPSK	1	1	25.32	25.15	25.14	26.5

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				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	QPSK	1	1	24.21	24.09	24.14	25.5

TDD FR1 n41 PC3_TX 1 (Index3)

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				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.99	22.89	22.75	23.0
100	PI/2 BPSK	1	137	22.24	22.42	22.29	
100	PI/2 BPSK	1	271	22.43	22.43	22.26	
100	PI/2 BPSK	135	0	22.46	22.40	22.25	23.0
100	PI/2 BPSK	135	69	22.30	22.22	22.30	23.0
100	PI/2 BPSK	135	138	22.24	22.22	22.35	23.0
100	PI/2 BPSK	270	0	22.34	22.34	22.41	
100	QPSK	1	1	22.92	22.88	22.67	23.0
100	QPSK	1	137	22.49	22.45	22.28	
100	QPSK	1	271	22.47	22.45	22.28	
100	QPSK	135	0	22.40	22.40	22.24	23.0
100	QPSK	135	69	22.48	22.47	22.27	
100	QPSK	135	138	22.24	22.49	22.25	
100	QPSK	270	0	22.32	22.28	22.37	23.0
100	16QAM	1	1	22.90	22.88	22.67	23.0
100	64QAM	1	1	21.84	21.77	21.62	22.6
100	256QAM	1	1	19.89	19.76	19.65	20.6
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.83	22.73	22.70	23.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.79	22.71	22.64	23.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.81	22.79	22.62	23.0



Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.95	22.87	22.59	23.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.95	22.71	22.60	23.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.96	22.76	22.61	23.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.97	22.80	22.55	23.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.81	22.84	22.57	23.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.95	22.76	22.73	23.0

TDD FR1 n41 PC2_TX 1 (Index3)

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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.74	25.68	25.40	26.0
100	PI/2 BPSK	1	137	25.25	25.25	25.10	
100	PI/2 BPSK	1	271	25.08	25.11	24.78	
100	PI/2 BPSK	135	0	25.10	25.14	24.76	26.0
100	PI/2 BPSK	135	69	24.96	24.90	24.57	26.0
100	PI/2 BPSK	135	138	25.00	24.94	24.66	26.0
100	PI/2 BPSK	270	0	25.04	25.07	24.73	
100	QPSK	1	1	25.60	25.63	25.34	
100	QPSK	1	137	24.85	24.83	24.57	26.0
100	QPSK	1	271	25.14	25.15	24.81	
100	QPSK	135	0	25.16	25.10	24.72	
100	QPSK	135	69	24.85	24.85	24.51	26.0
100	QPSK	135	138	24.84	24.86	24.51	
100	QPSK	270	0	25.10	25.07	24.76	
100	16QAM	1	1	24.63	24.61	24.25	25.5
100	64QAM	1	1	23.51	23.54	23.22	24.0
100	256QAM	1	1	21.61	21.51	21.29	22.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.70	25.48	25.21	26.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.56	25.67	25.20	26.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.66	25.52	25.24	26.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.56	25.64	25.23	26.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	



40	PI/2 BPSK	1	1	25.57	25.57	25.39	26.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.55	25.59	25.27	26.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.59	25.66	25.30	26.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.55	25.67	25.35	26.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.66	25.53	25.27	26.0

TDD FR1 n41 MIMO PC1.5_TX 1 (Index3)

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	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	QPSK	1	1	25.32	25.15	25.14	26.5

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				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	QPSK	1	1	24.21	24.09	24.14	25.5

TDD FR1 n41 PC3_TX 1 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.24	23.30	23.81	24.5
100	PI/2 BPSK	1	137	22.87	23.00	23.48	
100	PI/2 BPSK	1	271	22.88	22.99	23.48	
100	PI/2 BPSK	135	0	22.27	22.43	22.87	24.0
100	PI/2 BPSK	135	69	22.67	22.83	23.33	24.0
100	PI/2 BPSK	135	138	22.10	22.25	22.75	23.5
100	PI/2 BPSK	270	0	22.32	22.41	22.89	
100	QPSK	1	1	23.21	23.27	23.78	24.5
100	QPSK	1	137	22.86	23.01	23.51	
100	QPSK	1	271	22.85	22.98	23.49	
100	QPSK	135	0	22.01	22.08	22.57	23.5
100	QPSK	135	69	22.70	22.85	23.36	24.0
100	QPSK	135	138	21.74	21.83	22.32	23.5
100	QPSK	270	0	21.91	21.97	22.48	23.5
100	16QAM	1	1	22.46	22.61	23.02	24.1
100	64QAM	1	1	21.53	21.68	22.18	22.6
100	256QAM	1	1	19.96	20.02	20.47	20.6
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.16	23.25	22.80	24.5



Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.17	23.30	22.74	24.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.22	23.17	22.71	24.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.24	23.29	22.81	24.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.17	23.19	22.64	24.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.12	23.25	22.78	24.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.07	23.14	22.77	24.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.08	23.25	22.69	24.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.16	23.18	22.77	24.5

TDD FR1 n41 PC2_TX 1 (Index2/3)

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	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.92	26.27	26.44	27.5
100	PI/2 BPSK	1	137	25.56	25.65	25.72	
100	PI/2 BPSK	1	271	25.77	25.88	25.98	
100	PI/2 BPSK	135	0	25.23	25.30	25.40	27.0
100	PI/2 BPSK	135	69	25.75	25.70	25.87	27.5
100	PI/2 BPSK	135	138	25.24	25.24	25.37	27.0
100	PI/2 BPSK	270	0	25.20	25.28	25.44	
100	QPSK	1	1	25.87	26.22	26.29	27.5
100	QPSK	1	137	25.50	25.64	25.76	
100	QPSK	1	271	25.58	25.97	26.07	
100	QPSK	135	0	24.63	24.91	24.98	26.1
100	QPSK	135	69	25.33	25.68	25.82	27.1
100	QPSK	135	138	24.60	24.79	24.86	26.1
100	QPSK	270	0	24.69	24.84	24.94	26.5
100	16QAM	1	1	25.03	25.38	25.47	26.5
100	64QAM	1	1	23.54	23.95	23.98	25.0
100	256QAM	1	1	21.56	21.93	21.95	23.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.83	26.11	26.31	27.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.78	26.13	26.36	27.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	



60	PI/2 BPSK	1	1	25.85	26.24	26.32	27.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.91	26.26	26.31	27.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.74	26.22	26.34	27.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.74	26.08	26.31	27.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.77	26.09	26.42	27.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.83	26.27	26.40	27.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.91	26.27	26.34	27.5

TDD FR1 n48_TX 0 (Index2/3)

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)		
							Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Hi Power Ch. / Freq.
Channel				637000	641666	646332	637000	641666	646332
Frequency (MHz)				3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	24.65	24.68	24.57	24.70	24.70	24.70
10	PI/2 BPSK	1	22	24.55	24.68	24.59	24.70	24.70	24.70
10	PI/2 BPSK	12	6	24.69	24.68	24.51	24.70	24.70	24.70
10	PI/2 BPSK	1	0	24.40	24.35	24.27	24.70	24.70	24.70
10	PI/2 BPSK	1	23	24.30	24.52	24.21	24.70	24.70	24.70
10	PI/2 BPSK	24	0	24.31	24.53	24.22	24.70	24.70	24.70
10	QPSK	1	1	24.68	24.57	24.54	24.70	24.70	24.70
10	QPSK	1	22	24.62	24.68	24.61	24.70	24.70	24.70
10	QPSK	12	6	24.62	24.68	24.50	24.70	24.70	24.70
10	QPSK	1	0	23.87	23.86	23.74	24.50	24.70	24.50
10	QPSK	1	23	23.75	23.94	23.64	24.50	24.70	24.50
10	QPSK	24	0	23.82	24.00	23.70	24.50	24.70	24.50
10	16QAM	1	1	24.02	24.04	23.90	24.50	24.70	24.50
10	64QAM	1	1	22.40	22.34	22.12	22.50	22.50	22.50
10	256QAM	1	1	20.34	20.35	20.25	20.50	20.50	20.50
Channel				637168	641666	646166	637168	641666	646166
Frequency (MHz)				3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.95	24.65	24.57	21.00	24.70	24.70
15	PI/2 BPSK	1	36	24.39	24.68	20.64	24.70	24.70	21.00
15	PI/2 BPSK	18	9	24.52	24.68	24.55	24.70	24.70	24.70
15	PI/2 BPSK	1	0	20.92	24.41	24.16	21.00	24.70	24.70
15	PI/2 BPSK	1	37	24.11	24.48	20.67	24.70	24.70	21.00
15	PI/2 BPSK	36	0	20.83	24.50	20.73	21.00	24.70	21.00
15	QPSK	1	1	20.94	24.67	24.62	21.00	24.70	24.70
15	QPSK	1	36	24.54	24.67	20.61	24.70	24.70	21.00
15	QPSK	18	9	24.61	24.69	24.52	24.70	24.70	24.70
15	QPSK	1	0	20.94	23.95	23.60	24.70	24.50	24.50
15	QPSK	1	37	23.65	23.95	20.61	24.70	24.70	21.00



15	QPSK	36	0	20.94	24.01	20.70	21.00	24.70	21.00
15	16QAM	1	1	19.97	23.99	23.81	20.00	24.70	24.70
15	64QAM	1	1	19.84	22.31	22.20	20.00	23.00	23.00
15	256QAM	1	1	20.91	20.40	20.16	21.00	21.00	21.00
Channel				637334	641666	646000	637334	641666	646000
Frequency (MHz)				3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.98	24.68	24.57	21.00	24.70	24.70
20	PI/2 BPSK	1	49	24.52	24.68	20.63	24.70	24.70	21.00
20	PI/2 BPSK	25	12	24.69	24.68	24.51	24.70	24.70	24.70
20	PI/2 BPSK	1	0	20.80	24.46	24.16	21.00	24.70	24.70
20	PI/2 BPSK	1	50	24.21	24.42	20.64	24.70	24.70	21.00
20	PI/2 BPSK	50	0	20.84	24.51	20.70	21.00	24.70	21.00
20	QPSK	1	1	20.95	24.68	24.68	21.00	24.70	24.70
20	QPSK	1	49	24.61	24.67	20.65	24.70	24.70	21.00
20	QPSK	25	12	24.67	24.68	24.68	24.70	24.70	24.70
20	QPSK	1	0	20.95	23.92	23.74	24.70	24.50	24.50
20	QPSK	1	50	23.67	23.91	20.61	24.70	24.70	21.00
20	QPSK	50	0	20.88	24.00	20.71	21.00	24.70	21.00
20	16QAM	1	1	19.94	24.00	23.76	20.00	24.70	24.70
20	64QAM	1	1	19.91	22.49	22.14	20.00	23.00	23.00
20	256QAM	1	1	20.41	20.41	20.10	21.00	21.00	21.00
Channel				638000	641666	645332	638000	641666	645332
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	14.53	21.21	14.35	15.00	22.00	15.00
40	PI/2 BPSK	1	104	14.26	20.78	14.04	15.00	21.00	15.00
40	PI/2 BPSK	50	25	14.22	24.67	14.00	15.00	24.70	15.00
40	PI/2 BPSK	1	0	14.60	21.15	14.36	15.00	22.00	15.00
40	PI/2 BPSK	1	105	14.25	20.76	14.05	15.00	21.50	15.00
40	PI/2 BPSK	100	0	14.26	20.37	14.09	15.00	21.50	15.00
40	QPSK	1	1	14.54	21.17	14.40	15.00	21.50	15.00
40	QPSK	1	104	14.25	20.77	14.06	15.00	21.50	15.00
40	QPSK	50	25	14.21	24.65	14.13	15.00	24.70	15.00
40	QPSK	1	0	14.51	21.17	14.35	15.00	21.50	15.00
40	QPSK	1	105	14.25	20.79	14.08	15.00	21.50	15.00
40	QPSK	100	0	14.22	20.40	14.14	15.00	21.00	15.00
40	16QAM	1	1	14.03	21.16	13.92	15.00	21.50	15.00
40	64QAM	1	1	14.17	21.21	13.74	15.00	21.50	15.00
40	256QAM	1	1	14.12	20.61	13.84	15.00	21.00	15.00



TDD FR1 n48_TX 0 (Index2)

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)		
							Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				637000	641666	646332	637000	641666	646332
Frequency (MHz)				3555	3624.99	3694.98	3555	3624.99	3694.98
10	QPSK	1	1	19.82	19.90	19.84	21.10	21.10	21.10
10	QPSK	1	22	19.17	19.12	19.25	21.10	21.10	21.10
10	QPSK	12	6	19.81	19.90	19.86	21.10	21.10	21.10
10	QPSK	1	0	18.37	18.57	18.52	19.50	19.50	19.50
10	QPSK	1	23	18.28	18.52	18.60	19.50	19.50	19.50
10	QPSK	24	0	19.81	18.56	19.82	19.50	19.50	19.50
10	16QAM	1	1	19.31	19.64	19.70	20.50	20.50	20.50
10	64QAM	1	1	17.90	17.89	18.04	18.50	18.50	18.50
10	256QAM	1	1	14.84	15.07	15.05	15.50	15.50	15.50
Channel				637168	641666	646166	637168	641666	646166
Frequency (MHz)				3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	QPSK	1	1	15.35	19.90	19.84	16.00	21.10	21.10
15	QPSK	1	36	19.82	19.82	15.59	21.10	21.10	16.00
15	QPSK	19	9	19.90	18.81	19.86	21.10	21.10	21.10
15	QPSK	1	0	15.38	18.59	18.62	16.00	19.50	19.50
15	QPSK	1	37	18.45	18.51	15.57	19.50	19.50	16.00
15	QPSK	38	0	15.37	18.56	15.49	16.00	19.50	16.00
15	16QAM	1	1	15.40	19.52	19.56	16.00	20.50	20.50
15	64QAM	1	1	15.42	18.05	17.99	16.00	18.50	18.50
15	256QAM	1	1	14.85	15.15	15.20	15.50	15.50	15.50
Channel				637334	641666	646000	637334	641666	646000
Frequency (MHz)				3560.01	3624.99	3690	3560.01	3624.99	3690
20	QPSK	1	1	15.42	19.88	19.84	16.00	21.10	21.10
20	QPSK	1	49	19.84	19.82	15.42	21.10	21.10	16.00
20	QPSK	25	12	19.86	19.84	19.80	21.10	21.10	21.10
20	QPSK	1	0	15.49	18.65	18.63	16.00	19.50	19.50
20	QPSK	1	50	18.45	18.56	15.43	19.50	19.50	16.00
20	QPSK	51	0	15.42	18.53	15.44	16.00	19.50	16.00
20	16QAM	1	1	15.55	19.63	19.62	16.00	20.50	20.50
20	64QAM	1	1	15.42	18.06	18.15	16.00	18.50	18.50
20	256QAM	1	1	14.85	15.06	15.27	15.50	15.50	15.50
Channel				638000	641666	645332	638000	641666	645332
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98
40	QPSK	1	1	9.99	17.67	10.06	10.50	18.50	10.50
40	QPSK	1	104	9.85	17.54	9.88	10.50	18.50	10.50
40	QPSK	53	26	10.02	19.80	9.99	10.50	21.10	10.50
40	QPSK	1	0	10.07	17.68	10.10	10.50	18.50	10.50
40	QPSK	1	105	9.85	17.51	9.91	10.50	18.50	10.50
40	QPSK	106	0	9.99	17.04	10.01	10.50	18.50	10.50
40	16QAM	1	1	10.01	17.77	10.02	10.50	18.50	10.50
40	64QAM	1	1	9.85	17.66	10.03	10.50	18.50	10.50
40	256QAM	1	1	10.06	15.11	10.10	10.50	15.50	10.50



TDD FR1 n48_TX 0 (Index3)

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)		
							Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				637000	641666	646332	637000	641666	646332
Frequency (MHz)				3555	3624.99	3694.98	3555	3624.99	3694.98
10	QPSK	1	1	19.82	19.90	19.84	19.90	19.90	19.90
10	QPSK	1	22	19.17	19.12	19.25	19.90	19.90	19.90
10	QPSK	12	6	19.81	19.90	19.86	19.90	19.90	19.90
10	QPSK	1	0	18.37	18.57	18.52	19.50	19.50	19.50
10	QPSK	1	23	18.28	18.52	18.60	19.50	19.50	19.50
10	QPSK	24	0	19.81	19.90	19.82	19.50	19.50	19.50
10	16QAM	1	1	19.31	19.64	19.70	19.90	19.90	19.90
10	64QAM	1	1	17.90	17.89	18.04	18.50	18.50	18.50
10	256QAM	1	1	14.84	15.07	15.05	15.50	15.50	15.50
Channel				637168	641666	646166	637168	641666	646166
Frequency (MHz)				3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	QPSK	1	1	15.35	19.90	19.84	16.00	19.90	19.90
15	QPSK	1	36	19.82	19.82	15.59	19.90	19.90	16.00
15	QPSK	19	9	19.90	18.81	19.86	19.90	19.90	19.90
15	QPSK	1	0	15.38	18.59	18.62	16.00	19.90	19.90
15	QPSK	1	37	18.45	18.51	15.57	19.90	19.90	16.00
15	QPSK	38	0	15.37	18.56	15.49	16.00	19.50	16.00
15	16QAM	1	1	15.40	19.52	19.56	16.00	20.50	20.50
15	64QAM	1	1	15.42	18.05	17.99	16.00	18.50	18.50
15	256QAM	1	1	14.85	15.15	15.20	15.50	15.50	15.50
Channel				637334	641666	646000	637334	641666	646000
Frequency (MHz)				3560.01	3624.99	3690	3560.01	3624.99	3690
20	QPSK	1	1	15.42	19.88	19.84	16.00	19.90	19.90
20	QPSK	1	49	19.84	19.82	15.42	19.90	19.90	16.00
20	QPSK	25	12	19.86	19.84	19.80	19.90	19.90	19.90
20	QPSK	1	0	15.49	18.65	18.63	16.00	19.50	19.50
20	QPSK	1	50	18.45	18.56	15.43	19.50	19.50	16.00
20	QPSK	51	0	15.42	18.53	15.44	16.00	19.50	16.00
20	16QAM	1	1	15.55	19.63	19.62	16.00	19.90	19.90
20	64QAM	1	1	15.42	18.06	18.15	16.00	18.50	18.50
20	256QAM	1	1	14.85	15.06	15.27	15.50	15.50	15.50
Channel				638000	641666	645332	638000	641666	645332
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98
40	QPSK	1	1	9.99	17.67	10.06	10.50	18.50	10.50
40	QPSK	1	104	9.85	17.54	9.88	10.50	18.50	10.50
40	QPSK	53	26	10.02	19.80	9.99	10.50	19.90	10.50
40	QPSK	1	0	10.07	17.68	10.10	10.50	18.50	10.50
40	QPSK	1	105	9.85	17.51	9.91	10.50	18.50	10.50
40	QPSK	106	0	9.99	17.04	10.01	10.50	18.50	10.50
40	16QAM	1	1	10.01	17.77	10.02	10.50	18.50	10.50
40	64QAM	1	1	9.85	17.66	10.03	10.50	18.50	10.50
40	256QAM	1	1	10.06	15.11	10.10	10.50	15.50	10.50

TDD FR1 n48_TX 1 (Index2/3)

Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset					Tune-up limit (dBm)	



				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				637000	641666	646332	637000	641666	646332
Frequency (MHz)				3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	22.90	23.00	22.89	24.20	24.20	24.20
10	PI/2 BPSK	1	22	22.47	22.62	22.29	24.20	24.20	24.20
10	PI/2 BPSK	12	6	22.71	22.73	22.70	24.20	24.20	24.20
10	PI/2 BPSK	1	0	22.97	22.26	22.91	24.20	24.20	24.20
10	PI/2 BPSK	1	23	22.96	22.25	22.82	24.20	24.20	24.20
10	PI/2 BPSK	24	0	22.14	22.20	22.10	24.20	24.20	24.20
10	QPSK	1	1	22.51	22.28	22.32	24.20	24.20	24.20
10	QPSK	1	22	22.48	22.33	22.25	24.20	24.20	24.20
10	QPSK	12	6	22.52	22.32	22.35	24.20	24.20	24.20
10	QPSK	1	0	22.51	22.74	22.37	23.90	23.90	23.90
10	QPSK	1	23	22.48	22.58	22.28	23.90	23.90	23.90
10	QPSK	24	0	22.51	22.61	22.35	23.90	23.90	23.90
10	16QAM	1	1	22.52	22.81	22.41	23.90	23.90	23.90
10	64QAM	1	1	20.94	21.21	20.55	21.50	21.50	21.50
10	256QAM	1	1	18.94	19.15	18.75	19.50	19.50	19.50
Channel				637168	641666	646166	637168	641666	646166
Frequency (MHz)				3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	19.53	22.76	22.74	20.00	24.20	24.20
15	PI/2 BPSK	1	36	22.47	22.61	22.57	24.20	24.20	24.20
15	PI/2 BPSK	18	9	22.52	22.62	22.64	24.20	24.20	24.20
15	PI/2 BPSK	1	0	19.54	22.30	22.21	20.00	24.20	24.20
15	PI/2 BPSK	1	37	22.96	22.07	22.79	24.20	24.20	24.20
15	PI/2 BPSK	36	0	19.53	22.14	22.12	20.00	24.20	24.20
15	QPSK	1	1	19.54	22.72	21.72	20.00	24.20	24.20
15	QPSK	1	36	22.47	22.61	21.61	24.20	24.20	24.20
15	QPSK	18	9	22.51	22.61	21.61	24.20	24.20	24.20
15	QPSK	1	0	19.52	22.77	22.76	20.00	23.90	23.90
15	QPSK	1	37	22.45	22.57	22.59	23.90	23.90	23.90
15	QPSK	36	0	19.55	22.50	22.64	20.00	23.90	23.90
15	16QAM	1	1	18.57	22.71	22.78	19.00	23.90	23.90
15	64QAM	1	1	18.54	21.20	21.17	19.00	21.50	21.50
15	256QAM	1	1	19.00	19.19	19.11	19.00	19.50	19.50
Channel				637334	641666	646000	637334	641666	646000
Frequency (MHz)				3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	19.59	22.73	22.26	20.00	24.20	24.20
20	PI/2 BPSK	1	49	22.48	22.45	19.17	24.90	24.20	20.00
20	PI/2 BPSK	25	12	22.56	22.62	22.25	24.20	24.20	24.20
20	PI/2 BPSK	1	0	19.61	22.24	22.78	20.00	24.20	24.20
20	PI/2 BPSK	1	50	23.00	22.97	19.12	24.20	24.20	20.00
20	PI/2 BPSK	50	0	19.54	22.12	19.28	20.00	24.20	20.00
20	QPSK	1	1	19.56	22.77	22.31	20.00	24.20	24.20
20	QPSK	1	49	22.52	22.45	19.14	24.20	24.20	20.00
20	QPSK	25	12	22.54	22.68	22.27	24.20	24.20	24.20
20	QPSK	1	0	19.59	22.75	22.35	20.00	23.90	23.90
20	QPSK	1	50	22.52	22.47	19.14	23.90	23.90	20.00
20	QPSK	50	0	19.55	22.62	19.27	20.00	23.90	20.00
20	16QAM	1	1	18.61	22.78	22.34	19.00	23.90	23.90
20	64QAM	1	1	18.44	21.22	20.72	19.00	21.50	21.50
20	256QAM	1	1	18.99	19.10	18.81	19.00	19.50	19.50
Channel				638000	641666	645332	638000	641666	645332
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	13.17	19.85	13.12	13.50	20.00	13.50



40	PI/2 BPSK	1	104	12.94	19.56	12.66	13.50	20.00	13.50
40	PI/2 BPSK	50	25	13.04	22.73	12.77	13.50	24.20	13.50
40	PI/2 BPSK	1	0	13.16	19.85	13.12	13.50	20.00	13.50
40	PI/2 BPSK	1	105	12.96	19.54	12.67	13.50	20.00	13.50
40	PI/2 BPSK	100	0	13.04	19.23	12.78	13.50	20.00	13.50
40	QPSK	1	1	13.15	19.78	13.12	13.50	20.00	13.50
40	QPSK	1	104	12.96	19.49	12.64	13.50	21.50	13.50
40	QPSK	50	25	13.04	22.89	12.76	13.50	24.20	13.50
40	QPSK	1	0	13.14	19.78	13.10	13.50	20.00	13.50
40	QPSK	1	105	12.95	19.53	12.63	13.50	20.00	13.50
40	QPSK	100	0	13.04	19.21	12.76	13.50	20.00	13.50
40	16QAM	1	1	12.64	19.87	12.54	13.50	20.00	13.50
40	64QAM	1	1	12.61	19.87	12.50	13.50	20.00	13.50
40	256QAM	1	1	12.47	19.25	12.56	13.50	20.00	13.50

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)		
							Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				637000	641666	646332	637000	641666	646332
Frequency (MHz)				3555	3624.99	3694.98	3555	3624.99	3694.98
10	QPSK	1	1	20.10	20.15	20.03	20.40	20.40	20.40
10	QPSK	1	22	19.94	20.02	20.00	20.40	20.40	20.40
10	QPSK	12	6	20.12	20.16	20.12	20.40	20.40	20.40
10	QPSK	1	0	16.79	17.00	17.00	17.00	17.00	17.00
10	QPSK	1	23	16.67	16.82	16.94	17.00	17.00	17.00
10	QPSK	24	0	16.54	16.93	16.88	17.00	17.00	17.00
10	16QAM	1	1	17.62	18.00	18.16	18.50	18.50	18.50
10	64QAM	1	1	16.37	16.34	16.44	17.00	17.00	17.00
10	256QAM	1	1	13.26	13.52	13.46	14.00	14.00	14.00
Channel				637168	641666	646166	637168	641666	646166
Frequency (MHz)				3558	3625	3692	3558	3625	3692
15	QPSK	1	1	13.68	20.05	20.08	14.00	20.40	20.40
15	QPSK	1	36	20.04	20.04	13.95	20.40	20.40	14.00
15	QPSK	19	9	20.06	20.06	20.04	20.40	20.40	20.40
15	QPSK	1	0	13.70	17.00	17.07	14.00	17.50	17.50
15	QPSK	1	37	16.80	16.86	13.89	17.00	17.00	14.00
15	QPSK	38	0	13.71	17.00	13.88	14.00	18.00	14.00
15	16QAM	1	1	13.81	17.97	17.91	14.00	18.00	18.00
15	64QAM	1	1	13.89	16.50	16.45	14.00	17.00	17.00
15	256QAM	1	1	13.29	13.50	13.61	14.00	14.00	14.00
Channel				637334	641666	646000	637334	641666	646000
Frequency (MHz)				3560	3625	3690	3560	3625	3690
20	QPSK	1	1	13.85	20.02	20.15	14.00	20.40	20.40
20	QPSK	1	49	20.10	20.03	13.80	20.40	20.40	20.40
20	QPSK	25	12	20.08	20.06	20.16	20.40	20.40	20.40
20	QPSK	1	0	13.85	16.95	17.10	14.00	17.00	18.00
20	QPSK	1	50	16.82	16.97	13.79	17.00	17.00	14.00
20	QPSK	51	0	13.79	16.86	13.79	14.00	17.00	14.00
20	16QAM	1	1	13.91	20.04	20.04	14.00	20.40	20.40
20	64QAM	1	1	13.74	16.48	16.52	14.00	17.00	17.00
20	256QAM	1	1	13.29	13.52	13.70	14.00	14.00	14.00
Channel				638000	641666	645332	638000	641666	645332
Frequency (MHz)				3570	3625	3680	3570	3625	3680
40	QPSK	1	1	8.44	16.05	8.48	9.00	17.00	9.00



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40	QPSK	1	104	8.32	16.04	8.36	9.00	17.00	9.00
40	QPSK	53	26	8.51	20.01	8.33	9.00	20.40	9.00
40	QPSK	1	0	8.45	16.14	8.58	9.00	17.00	9.00
40	QPSK	1	105	8.20	15.91	8.28	9.00	17.00	9.00
40	QPSK	106	0	8.32	15.41	8.47	9.00	17.00	9.00
40	16QAM	1	1	8.35	16.07	8.34	9.00	17.00	9.00
40	64QAM	1	1	8.22	16.08	8.45	9.00	17.00	9.00
40	256QAM	1	1	8.54	13.57	8.53	9.00	14.00	9.00



TDD FR1 Par 270 n77 PC3_TX 0 (Index2/3)

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	24.1
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.98	23.99	23.96	24.1
100	PI/2 BPSK	1	137	23.36	23.39	23.33	
100	PI/2 BPSK	1	271	23.43	23.43	23.38	
100	PI/2 BPSK	135	0	23.14	23.26	23.24	23.6
100	PI/2 BPSK	135	69	23.26	23.43	23.35	24.1
100	PI/2 BPSK	135	138	22.69	22.77	22.84	23.6
100	PI/2 BPSK	270	0	22.85	22.92	22.90	
100	QPSK	1	1	23.95	23.97	23.91	24.1
100	QPSK	1	137	23.47	23.40	23.49	
100	QPSK	1	271	23.45	23.45	23.35	
100	QPSK	135	0	22.62	22.77	22.73	24.1
100	QPSK	135	69	23.21	23.40	23.29	
100	QPSK	135	138	22.30	22.29	22.25	
100	QPSK	270	0	22.51	22.45	22.54	23.1
100	16QAM	1	1	23.10	23.03	23.08	23.1
100	64QAM	1	1	21.46	21.51	21.42	21.6
100	256QAM	1	1	19.56	19.47	19.42	19.6
Channel				649668	656000	662332	24.1
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.98	23.83	23.88	24.1
Channel				649334	656000	662666	24.1
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.88	23.84	23.58	24.1
Channel				649000	656000	663000	24.1
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.51	23.69	23.49	24.1
Channel				648668	656000	663332	24.1
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.35	23.71	23.16	24.1
Channel				648334	656000	663666	24.1
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.35	23.63	23.08	24.1
Channel				648000	656000	664000	24.1
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.34	23.58	23.18	24.1
Channel				647668	656000	664332	24.1
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.40	23.56	23.13	24.1
Channel				647500	656000	664500	24.1
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.31	23.40	22.98	24.1
Channel				647334	656000	664666	24.1
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.38	23.38	22.96	24.1
Channel				647168	656000	664832	24.1
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.37	23.35	22.91	24.1
Channel				647000	656000	665000	24.1
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.39	23.30	22.93	24.1



TDD FR1 Par 270 n77 PC2_TX 0 (Index2/3)

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	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	27.04	26.88	26.94	27.1
100	PI/2 BPSK	1	137	26.19	26.26	26.27	
100	PI/2 BPSK	1	271	26.18	26.14	26.16	
100	PI/2 BPSK	135	0	26.06	26.03	26.00	26.6
100	PI/2 BPSK	135	69	26.23	26.34	26.10	27.1
100	PI/2 BPSK	135	138	25.68	25.62	25.60	26.6
100	PI/2 BPSK	270	0	25.80	25.76	25.74	
100	QPSK	1	1	27.01	27.00	26.96	27.1
100	QPSK	1	137	26.23	26.16	26.14	
100	QPSK	1	271	26.25	26.19	26.22	
100	QPSK	135	0	25.54	25.45	25.46	27.1
100	QPSK	135	69	26.22	26.16	26.16	
100	QPSK	135	138	25.20	25.19	25.15	
100	QPSK	270	0	25.36	25.34	25.28	26.1
100	16QAM	1	1	26.09	26.00	26.08	26.1
100	64QAM	1	1	24.51	24.45	24.50	24.6
100	256QAM	1	1	22.55	22.37	22.47	22.6
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	26.86	26.75	26.94	27.1
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.96	26.72	26.74	27.1
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.93	26.87	26.90	27.1
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.99	26.68	26.91	27.1
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.88	26.70	26.90	27.1
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	26.92	26.69	26.88	27.1
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	26.91	26.88	26.80	27.1
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	26.88	26.85	26.84	27.1
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	26.99	26.83	26.90	27.1
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.88	26.81	26.85	27.1
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.86	26.72	26.78	27.1



TDD FR1 Par 270 n77 PC3_TX 0 (Index2)

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	20.1
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.89	18.65	18.76	20.1
100	PI/2 BPSK	1	137	18.26	18.49	18.16	
100	PI/2 BPSK	1	271	18.21	18.45	18.49	
100	PI/2 BPSK	135	0	18.36	18.21	18.23	20.1
100	PI/2 BPSK	135	69	18.31	18.15	18.26	20.1
100	PI/2 BPSK	135	138	18.42	18.19	18.25	20.1
100	PI/2 BPSK	270	0	18.34	18.20	18.21	
100	QPSK	1	1	18.68	18.53	18.59	20.1
100	QPSK	1	137	18.31	18.12	18.19	
100	QPSK	1	271	18.24	18.46	18.12	
100	QPSK	135	0	18.32	18.15	18.20	20.1
100	QPSK	135	69	18.31	18.17	18.24	
100	QPSK	135	138	18.37	18.17	18.27	
100	QPSK	270	0	18.40	18.22	18.24	20.1
100	16QAM	1	1	18.81	18.64	18.70	20.1
100	64QAM	1	1	18.81	18.61	18.62	20.1
100	256QAM	1	1	18.74	18.59	18.66	20.1
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.73	18.49	18.65	20.1
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.79	18.59	18.63	20.1
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.77	18.64	18.69	20.1
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.78	18.50	18.74	20.1
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.87	18.65	18.58	20.1
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.87	18.60	18.71	20.1
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	18.85	18.45	18.69	20.1
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	18.75	18.46	18.59	20.1
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.69	18.65	18.64	20.1
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.84	18.49	18.73	20.1
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.79	18.57	18.63	20.1



TDD FR1 Par 270 n77 PC3_TX 0 (Index3)

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	18.9
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.89	18.65	18.76	18.9
100	PI/2 BPSK	1	137	18.26	18.49	18.16	
100	PI/2 BPSK	1	271	18.21	18.45	18.49	
100	PI/2 BPSK	135	0	18.36	18.21	18.23	18.9
100	PI/2 BPSK	135	69	18.31	18.15	18.26	18.9
100	PI/2 BPSK	135	138	18.42	18.19	18.25	18.9
100	PI/2 BPSK	270	0	18.34	18.20	18.21	
100	QPSK	1	1	18.68	18.53	18.59	18.9
100	QPSK	1	137	18.31	18.12	18.19	
100	QPSK	1	271	18.24	18.46	18.12	
100	QPSK	135	0	18.32	18.15	18.20	18.9
100	QPSK	135	69	18.31	18.17	18.24	
100	QPSK	135	138	18.37	18.17	18.27	
100	QPSK	270	0	18.40	18.22	18.24	
100	16QAM	1	1	18.81	18.64	18.70	18.9
100	64QAM	1	1	18.81	18.61	18.62	18.9
100	256QAM	1	1	18.74	18.59	18.66	18.9
Channel				649668	656000	662332	18.9
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.73	18.49	18.65	18.9
Channel				649334	656000	662666	18.9
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.79	18.59	18.63	18.9
Channel				649000	656000	663000	18.9
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.77	18.64	18.69	18.9
Channel				648668	656000	663332	18.9
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.78	18.50	18.74	18.9
Channel				648334	656000	663666	18.9
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.87	18.65	18.58	18.9
Channel				648000	656000	664000	18.9
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.87	18.60	18.71	18.9
Channel				647668	656000	664332	18.9
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	18.85	18.45	18.69	18.9
Channel				647500	656000	664500	18.9
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	18.75	18.46	18.59	18.9
Channel				647334	656000	664666	18.9
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.69	18.65	18.64	18.9
Channel				647168	656000	664832	18.9
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.84	18.49	18.73	18.9
Channel				647000	656000	665000	18.9
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.79	18.57	18.63	18.9



TDD FR1 Par 270 n77 PC3_TX 1 (Index2/3)

Ant 7							
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	24.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.65	22.68	22.62	24.0
100	PI/2 BPSK	1	137	22.02	22.05	22.04	
100	PI/2 BPSK	1	271	22.00	22.09	22.07	
100	PI/2 BPSK	135	0	21.84	21.91	21.87	23.5
100	PI/2 BPSK	135	69	22.06	22.10	22.16	24.0
100	PI/2 BPSK	135	138	21.58	21.52	21.51	23.5
100	PI/2 BPSK	270	0	21.56	21.56	21.56	
100	QPSK	1	1	22.57	22.65	22.58	24.0
100	QPSK	1	137	22.16	22.05	22.05	
100	QPSK	1	271	22.08	22.06	22.11	
100	QPSK	135	0	22.19	22.10	22.05	24.0
100	QPSK	135	69	22.05	22.09	22.14	
100	QPSK	135	138	22.07	22.05	22.16	
100	QPSK	270	0	21.02	21.06	21.10	23.0
100	16QAM	1	1	21.60	21.66	21.63	23.0
100	64QAM	1	1	20.12	20.15	20.15	21.5
100	256QAM	1	1	18.04	18.07	17.98	19.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.59	22.63	22.57	24.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.45	22.51	22.50	24.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.58	22.48	22.49	24.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.62	22.57	22.48	24.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.62	22.63	22.55	24.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.46	22.64	22.56	24.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.53	22.57	22.44	24.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.59	22.56	22.59	24.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.64	22.49	22.62	24.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.55	22.58	22.56	24.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.65	22.64	22.61	24.0



TDD FR1 Par 270 n77 PC2_TX 1 (Index2/3)

Ant 7							
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	26.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.75	25.59	25.62	26.5
100	PI/2 BPSK	1	137	24.92	25.10	24.78	
100	PI/2 BPSK	1	271	24.88	25.02	24.56	25.5
100	PI/2 BPSK	135	0	24.73	24.92	24.49	26.0
100	PI/2 BPSK	135	69	24.95	25.11	24.78	26.5
100	PI/2 BPSK	135	138	24.43	24.41	24.15	26.0
100	PI/2 BPSK	270	0	24.54	24.59	24.31	
100	QPSK	1	1	25.72	25.61	25.64	26.5
100	QPSK	1	137	24.93	25.08	24.72	
100	QPSK	1	271	24.92	25.03	24.58	26.5
100	QPSK	135	0	24.51	24.53	24.52	
100	QPSK	135	69	24.92	25.12	24.78	26.5
100	QPSK	135	138	24.51	24.52	24.51	
100	QPSK	270	0	24.03	24.11	23.82	25.5
100	16QAM	1	1	24.83	24.65	24.66	25.5
100	64QAM	1	1	23.23	23.12	23.17	24.0
100	256QAM	1	1	21.27	21.16	21.23	22.0
Channel				649668	656000	662332	26.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.55	25.59	25.50	26.5
Channel				649334	656000	662666	26.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.71	25.51	25.62	26.5
Channel				649000	656000	663000	26.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.67	25.43	25.61	26.5
Channel				648668	656000	663332	26.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.74	25.51	25.60	26.5
Channel				648334	656000	663666	26.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.69	25.50	25.51	26.5
Channel				648000	656000	664000	26.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.73	25.42	25.47	26.5
Channel				647668	656000	664332	26.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.71	25.51	25.52	26.5
Channel				647500	656000	664500	26.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.69	25.50	25.53	26.5
Channel				647334	656000	664666	26.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.60	25.39	25.52	26.5
Channel				647168	656000	664832	26.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.57	25.49	25.50	26.5
Channel				647000	656000	665000	26.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.59	25.41	25.45	26.5



TDD FR1 Par 270 n77 PC3_TX 1 (Index2)

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	21.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.22	19.69	19.78	21.0
100	PI/2 BPSK	1	137	19.04	19.47	19.54	
100	PI/2 BPSK	1	271	19.22	19.61	19.77	
100	PI/2 BPSK	135	0	19.14	19.71	19.75	21.0
100	PI/2 BPSK	135	69	19.04	19.52	19.57	21.0
100	PI/2 BPSK	135	138	19.00	19.56	19.63	21.0
100	PI/2 BPSK	270	0	19.11	19.63	19.63	
100	QPSK	1	1	19.12	19.65	19.66	21.0
100	QPSK	1	137	19.05	19.46	19.54	
100	QPSK	1	271	19.15	19.64	19.68	
100	QPSK	135	0	19.17	19.70	19.72	21.0
100	QPSK	135	69	19.08	19.52	19.57	
100	QPSK	135	138	19.05	19.55	19.59	
100	QPSK	270	0	19.11	19.60	19.59	21.0
100	16QAM	1	1	19.11	19.64	19.68	21.0
100	64QAM	1	1	19.02	19.58	19.63	21.0
100	256QAM	1	1	19.18	19.63	19.63	20.4
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.12	19.65	19.72	21.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.02	19.55	19.75	21.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.16	19.61	19.60	21.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.22	19.54	19.64	21.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.20	19.61	19.61	21.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.18	19.49	19.64	21.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.08	19.49	19.61	21.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.08	19.50	19.77	21.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.18	19.59	19.68	21.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.16	19.64	19.69	21.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.08	19.54	19.74	21.0



TDD FR1 Par 270 n77 PC3_TX 1 (Index3)

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	19.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.22	19.69	19.78	19.8
100	PI/2 BPSK	1	137	19.04	19.47	19.54	
100	PI/2 BPSK	1	271	19.22	19.61	19.77	
100	PI/2 BPSK	135	0	19.14	19.71	19.75	19.8
100	PI/2 BPSK	135	69	19.04	19.52	19.57	19.8
100	PI/2 BPSK	135	138	19.00	19.56	19.63	19.8
100	PI/2 BPSK	270	0	19.11	19.63	19.63	
100	QPSK	1	1	19.12	19.65	19.66	19.8
100	QPSK	1	137	19.05	19.46	19.54	
100	QPSK	1	271	19.15	19.64	19.68	
100	QPSK	135	0	19.17	19.70	19.72	19.8
100	QPSK	135	69	19.08	19.52	19.57	
100	QPSK	135	138	19.05	19.55	19.59	
100	QPSK	270	0	19.11	19.60	19.59	19.8
100	16QAM	1	1	19.11	19.64	19.68	19.8
100	64QAM	1	1	19.02	19.58	19.63	19.8
100	256QAM	1	1	19.18	19.63	19.63	19.8
Channel				649668	656000	662332	19.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.12	19.65	19.72	19.8
Channel				649334	656000	662666	19.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.02	19.55	19.75	19.8
Channel				649000	656000	663000	19.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.16	19.61	19.60	19.8
Channel				648668	656000	663332	19.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.22	19.54	19.64	19.8
Channel				648334	656000	663666	19.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.20	19.61	19.61	19.8
Channel				648000	656000	664000	19.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.18	19.49	19.64	19.8
Channel				647668	656000	664332	19.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.08	19.49	19.61	19.8
Channel				647500	656000	664500	19.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.08	19.50	19.77	19.8
Channel				647334	656000	664666	19.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.18	19.59	19.68	19.8
Channel				647168	656000	664832	19.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.16	19.64	19.69	19.8
Channel				647000	656000	665000	19.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.08	19.54	19.74	19.8



TDD FR1 Par 27Q n77 PC3_TX 0 (Index2/3)

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		24.1
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.37		23.6
100	PI/2 BPSK	1	137		23.21		
100	PI/2 BPSK	1	271		22.44		
100	PI/2 BPSK	135	0		22.83		24.1
100	PI/2 BPSK	135	69		23.22		
100	PI/2 BPSK	135	138		22.76		23.6
100	PI/2 BPSK	270	0		22.84		
100	QPSK	1	1		23.23		24.1
100	QPSK	1	137		23.19		
100	QPSK	1	271		22.64		
100	QPSK	135	0		22.26		24.1
100	QPSK	135	69		23.17		
100	QPSK	135	138		22.13		23.1
100	QPSK	270	0		22.32		
100	16QAM	1	1		22.48		23.1
100	64QAM	1	1		20.98		21.6
100	256QAM	1	1		19.35		19.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.21	23.33	23.33	24.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.23	23.28	23.22	24.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.23	23.35	23.21	24.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.23	23.30	23.23	24.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.35	23.28	23.30	24.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.29	23.33	23.26	24.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.30	23.28	23.24	24.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.20	23.18	23.25	24.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.31	23.15	23.30	24.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.25	23.14	23.28	24.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.27	23.26	23.10	24.1



TDD FR1 Par 27Q n77 PC2_TX 0 (Index2/3)

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		27.1
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.86		26.6
100	PI/2 BPSK	1	137		26.20		
100	PI/2 BPSK	1	271		25.86		
100	PI/2 BPSK	135	0		25.78		27.1
100	PI/2 BPSK	135	69		26.22		
100	PI/2 BPSK	135	138		25.72		26.6
100	PI/2 BPSK	270	0		25.81		
100	QPSK	1	1		26.81		27.1
100	QPSK	1	137		26.19		
100	QPSK	1	271		25.81		
100	QPSK	135	0		25.32		27.1
100	QPSK	135	69		26.23		
100	QPSK	135	138		25.27		
100	QPSK	270	0		25.32		26.1
100	16QAM	1	1		25.91		26.1
100	64QAM	1	1		24.23		24.6
100	256QAM	1	1		22.27		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.71	26.78	26.78	27.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.82	26.70	26.75	27.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.72	26.66	26.85	27.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.76	26.73	26.80	27.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.69	26.68	26.69	27.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.69	26.68	26.82	27.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.70	26.78	26.79	27.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.79	26.81	26.69	27.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.67	26.73	26.70	27.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.81	26.71	26.82	27.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.76	26.85	26.68	27.1



TDD FR1 Par 27Q n77 PC3_TX 0 (Index2)

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		20.1
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.82		20.1
100	PI/2 BPSK	1	137		18.56		
100	PI/2 BPSK	1	271		18.18		
100	PI/2 BPSK	135	0		18.57		20.1
100	PI/2 BPSK	135	69		18.55		20.1
100	PI/2 BPSK	135	138		18.56		20.1
100	PI/2 BPSK	270	0		18.54		
100	QPSK	1	1		18.78		20.1
100	QPSK	1	137		18.49		
100	QPSK	1	271		18.10		
100	QPSK	135	0		18.51		20.1
100	QPSK	135	69		18.51		
100	QPSK	135	138		18.55		
100	QPSK	270	0		18.15		20.1
100	16QAM	1	1		18.81		20.1
100	64QAM	1	1		18.78		20.1
100	256QAM	1	1		18.72		20.1
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.76	18.76	18.80	20.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.81	18.77	18.68	20.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.80	18.69	18.66	20.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.65	18.64	18.67	20.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.74	18.73	18.62	20.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.72	18.81	18.80	20.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.81	18.62	18.62	20.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.76	18.64	18.68	20.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.80	18.81	18.81	20.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.69	18.66	18.77	20.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.75	18.77	18.76	20.1



TDD FR1 Par 27Q n77 PC3_TX 0 (Index3)

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		18.9
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.82		18.9
100	PI/2 BPSK	1	137		18.56		
100	PI/2 BPSK	1	271		18.18		
100	PI/2 BPSK	135	0		18.57		18.9
100	PI/2 BPSK	135	69		18.55		18.9
100	PI/2 BPSK	135	138		18.56		18.9
100	PI/2 BPSK	270	0		18.54		
100	QPSK	1	1		18.78		18.9
100	QPSK	1	137		18.49		
100	QPSK	1	271		18.10		
100	QPSK	135	0		18.51		18.9
100	QPSK	135	69		18.51		
100	QPSK	135	138		18.55		
100	QPSK	270	0		18.15		18.9
100	16QAM	1	1		18.81		18.9
100	64QAM	1	1		18.78		18.9
100	256QAM	1	1		18.72		18.9
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.76	18.76	18.80	18.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.81	18.77	18.68	18.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.80	18.69	18.66	18.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.65	18.64	18.67	18.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.74	18.73	18.62	18.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.72	18.81	18.80	18.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.81	18.62	18.62	18.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.76	18.64	18.68	18.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.80	18.81	18.81	18.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.69	18.66	18.77	18.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.75	18.77	18.76	18.9



TDD FR1 Par 27Q n77 PC3_TX 1 (Index2/3)

Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	24.0
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		23.10		24.0
100	PI/2 BPSK	1	137		22.34		
100	PI/2 BPSK	1	271		22.81		
100	PI/2 BPSK	135	0		22.04		23.5
100	PI/2 BPSK	135	69		22.35		24.0
100	PI/2 BPSK	135	138		21.87		23.5
100	PI/2 BPSK	270	0		22.04		
100	QPSK	1	1		23.06		24.0
100	QPSK	1	137		22.35		
100	QPSK	1	271		22.77		
100	QPSK	135	0		22.17		24.0
100	QPSK	135	69		22.30		
100	QPSK	135	138		22.15		
100	QPSK	270	0		21.51		23.0
100	16QAM	1	1		22.15		23.0
100	64QAM	1	1		20.58		21.5
100	256QAM	1	1		18.65		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.90	23.09	23.07	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.99	23.05	22.96	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.94	23.06	22.94	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.95	22.94	23.01	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.09	22.91	22.94	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.92	23.07	22.90	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.98	22.90	23.08	24.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.05	22.93	23.06	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.07	22.92	22.97	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.04	23.01	23.09	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.03	22.99	23.06	24.0



TDD FR1 Par 27Q n77 PC2_TX 1 (Index2/3)

Ant 7							
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		26.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.20		26.5
100	PI/2 BPSK	1	137		25.45		
100	PI/2 BPSK	1	271		25.95		
100	PI/2 BPSK	135	0		25.23		26.0
100	PI/2 BPSK	135	69		25.50		26.5
100	PI/2 BPSK	135	138		25.08		26.0
100	PI/2 BPSK	270	0		25.17		26.5
100	QPSK	1	1		26.15		
100	QPSK	1	137		25.48		
100	QPSK	1	271		26.00		26.5
100	QPSK	135	0		24.82		
100	QPSK	135	69		25.51		
100	QPSK	135	138		24.79		25.5
100	QPSK	270	0		24.65		
100	16QAM	1	1		25.24		
100	64QAM	1	1		23.60		24.0
100	256QAM	1	1		21.63		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.01	26.08	26.15	26.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.15	26.10	26.13	26.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.19	26.17	26.14	26.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.03	26.00	26.03	26.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.19	26.15	26.15	26.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.11	26.11	26.16	26.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.15	26.02	26.11	26.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.13	26.06	26.13	26.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.17	26.13	26.09	26.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.00	26.07	26.05	26.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	



10	PI/2 BPSK	1	1	26.07	26.10	26.02	26.5
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TDD FR1 Par 27Q n77 PC3_TX 1 (Index2)

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				633334	633332	633332	
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		19.56		21.0
100	PI/2 BPSK	1	137		19.01		
100	PI/2 BPSK	1	271		19.16		
100	PI/2 BPSK	135	0		19.12		21.0
100	PI/2 BPSK	135	69		19.03		21.0
100	PI/2 BPSK	135	138		19.11		21.0
100	PI/2 BPSK	270	0		19.14		
100	QPSK	1	1		19.53		21.0
100	QPSK	1	137		19.01		
100	QPSK	1	271		19.01		
100	QPSK	135	0		19.09		21.0
100	QPSK	135	69		19.04		
100	QPSK	135	138		19.15		
100	QPSK	270	0		19.17		21.0
100	16QAM	1	1		19.55		21.0
100	64QAM	1	1		19.44		21.0
100	256QAM	1	1		19.28		20.4
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.49	19.41	19.45	21.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.43	19.45	19.55	21.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.54	19.55	19.50	21.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.37	19.51	19.52	21.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.40	19.51	19.47	21.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.42	19.41	19.49	21.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.45	19.48	19.46	21.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.55	19.42	19.49	21.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.40	19.46	19.40	21.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.38	19.41	19.55	21.0
Channel				630334	633332	636332	



Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.49	19.55	19.47	21.0

TDD FR1 Par 27Q n77 PC3_TX 1 (Index3)

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				633334	633332	633332	
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		19.56		19.8
100	PI/2 BPSK	1	137		19.01		
100	PI/2 BPSK	1	271		19.16		
100	PI/2 BPSK	135	0		19.12		19.8
100	PI/2 BPSK	135	69		19.03		19.8
100	PI/2 BPSK	135	138		19.11		19.8
100	PI/2 BPSK	270	0		19.14		
100	QPSK	1	1		19.53		19.8
100	QPSK	1	137		19.01		
100	QPSK	1	271		19.01		
100	QPSK	135	0		19.09		19.8
100	QPSK	135	69		19.04		
100	QPSK	135	138		19.15		
100	QPSK	270	0		19.17		19.8
100	16QAM	1	1		19.55		19.8
100	64QAM	1	1		19.44		19.8
100	256QAM	1	1		19.28		19.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.49	19.41	19.45	19.8
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.43	19.45	19.55	19.8
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.54	19.55	19.50	19.8
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.37	19.51	19.52	19.8
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.40	19.51	19.47	19.8
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.42	19.41	19.49	19.8
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.45	19.48	19.46	19.8
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.55	19.42	19.49	19.8
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.40	19.46	19.40	19.8
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	



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15	PI/2 BPSK	1	1	19.38	19.41	19.55	19.8
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.49	19.55	19.47	19.8



GSM850_TX 0 (Index4)

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	30.38	30.31	30.30	30.50	21.38	21.31	21.30	30.38
GPRS 1 Tx slot	30.39	30.33	30.31	30.50	21.39	21.33	21.31	30.39
GPRS 2 Tx slots	29.89	29.64	29.79	30.00	23.89	23.64	23.79	29.89
GPRS 3 Tx slots	28.25	28.09	28.12	28.50	23.99	23.83	23.86	28.25
GPRS 4 Tx slots	27.05	26.74	26.72	27.50	24.05	23.74	23.72	27.05
EDGE 1 Tx slot	27.26	27.31	27.34	28.00	18.26	18.31	18.34	27.26
EDGE 2 Tx slots	26.60	26.69	26.67	27.50	20.60	20.69	20.67	26.60
EDGE 3 Tx slots	26.48	26.53	26.41	27.50	22.22	22.27	22.15	26.48
EDGE 4 Tx slots	23.77	23.70	23.54	25.50	20.77	20.70	20.54	23.77

GSM850_TX 1 (Index4)

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	32.98	32.98	32.75	33.50	23.98	23.98	23.75	24.50
GPRS 1 Tx slot	32.99	32.99	32.77	33.50	23.99	23.99	23.77	24.50
GPRS 2 Tx slots	31.84	31.72	31.64	32.50	25.84	25.72	25.64	26.50
GPRS 3 Tx slots	30.44	30.06	29.98	31.50	26.18	25.80	25.72	27.24
GPRS 4 Tx slots	28.96	28.73	28.56	30.50	25.96	25.73	25.56	27.50
EDGE 1 Tx slot	27.29	27.11	26.99	28.00	18.29	18.11	17.99	19.00
EDGE 2 Tx slots	26.48	26.52	26.73	27.50	20.48	20.52	20.73	21.50
EDGE 3 Tx slots	26.65	26.64	26.48	27.50	22.39	22.38	22.22	23.24
EDGE 4 Tx slots	23.72	23.75	23.63	25.50	20.72	20.75	20.63	22.50

GSM1900_TX 0 (Index4)

Ant 2								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.28	30.31	30.20	31.00	21.28	21.31	21.20	22.00
GPRS 1 Tx slot	30.40	30.46	30.25	31.00	21.40	21.46	21.25	22.00
GPRS 2 Tx slots	27.54	27.76	27.50	28.20	21.54	21.76	21.50	22.20
GPRS 3 Tx slots	26.13	26.05	26.23	26.40	21.87	21.79	21.97	22.14
GPRS 4 Tx slots	24.84	25.07	24.81	25.20	21.84	22.07	21.81	22.20
EDGE 1 Tx slot	25.14	25.15	25.11	26.00	16.14	16.15	16.11	17.00
EDGE 2 Tx slots	23.86	23.76	23.70	25.00	17.86	17.76	17.70	19.00
EDGE 3 Tx slots	23.83	23.64	23.74	25.00	19.57	19.38	19.48	20.74
EDGE 4 Tx slots	22.00	22.02	22.04	24.00	19.00	19.02	19.04	21.00



GSM1900_TX 1 (Index4)

Ant 0								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	Frequency (MHz)	1850.2	1880		1909.8	1850.2	1880	
GSM 1 Tx slot	25.01	24.95	24.71	25.20	16.01	15.95	15.71	16.20
GPRS 1 Tx slot	24.92	24.98	24.81	25.20	15.92	15.98	15.81	16.20
GPRS 2 Tx slots	23.58	23.51	23.39	23.70	17.58	17.51	17.39	17.70
GPRS 3 Tx slots	22.49	22.54	22.52	22.70	18.23	18.28	18.26	18.44
GPRS 4 Tx slots	21.50	21.54	21.48	21.70	18.50	18.54	18.48	18.70
EDGE 1 Tx slot	23.23	22.87	23.01	23.30	14.23	13.87	14.01	14.30
EDGE 2 Tx slots	21.98	21.70	21.71	22.30	15.98	15.70	15.71	16.30
EDGE 3 Tx slots	21.63	21.76	21.73	22.30	17.37	17.50	17.47	18.04
EDGE 4 Tx slots	21.29	21.24	21.23	21.30	18.29	18.24	18.23	18.30

UMTS_TX 0 (Index4)

Band TX Channel	WCDMA II_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9662	9800		9938	1537	1638		1738	4357	4407	
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99 AMR 12.2Kbps	23.16	23.35	23.29	23.50	23.38	23.54	23.64	24.10	23.10	22.95	22.91	23.50
3GPP Rel 99 RMC 12.2Kbps	23.21	23.39	23.34	23.50	23.49	23.61	23.70	24.10	23.18	23.04	23.02	23.50
3GPP Rel 6 HSDPA Subtest-1	23.11	23.38	23.24	23.50	23.46	23.54	23.54	24.10	22.94	22.93	22.99	23.50
3GPP Rel 6 HSDPA Subtest-2	23.08	23.31	23.28	23.50	23.49	23.49	23.58	24.10	23.06	22.97	23.03	23.50
3GPP Rel 6 HSDPA Subtest-3	23.06	23.38	23.25	23.50	23.46	23.48	23.55	24.10	23.03	23.05	23.01	23.50
3GPP Rel 6 HSDPA Subtest-4	23.05	23.31	23.28	23.50	23.50	23.52	23.58	24.10	22.97	23.09	23.05	23.50
3GPP Rel 6 HSUPA Subtest-1	21.97	22.41	22.28	23.50	22.62	22.64	22.47	24.10	21.99	22.01	21.99	23.50
3GPP Rel 6 HSUPA Subtest-2	21.89	22.44	22.28	23.50	21.63	21.55	21.56	23.50	21.94	22.03	22.03	23.50
3GPP Rel 6 HSUPA Subtest-3	21.96	22.49	22.32	23.50	22.71	22.65	22.41	24.10	22.01	22.08	22.06	23.50
3GPP Rel 6 HSUPA Subtest-4	21.94	22.49	22.33	23.50	21.59	21.96	21.77	23.50	22.00	22.08	22.01	23.50
3GPP Rel 6 HSUPA Subtest-5	22.87	23.37	23.21	23.50	23.60	23.60	23.40	24.10	23.10	23.00	22.90	23.50

UMTS_TX 1 (Index4)

Band TX Channel	WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9662	9800		9938	1537	1638		1738	4357	4407	
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99 AMR 12.2Kbps	18.48	18.46	18.48	18.90	19.14	19.12	19.21	19.40	24.57	24.56	24.48	25.50
3GPP Rel 99 RMC 12.2Kbps	18.52	18.54	18.55	18.90	19.20	19.19	19.23	19.40	24.58	24.57	24.49	25.50
3GPP Rel 6 HSDPA Subtest-1	18.51	18.48	18.55	18.90	19.05	19.10	19.11	19.40	24.50	24.57	24.41	25.50
3GPP Rel 6 HSDPA Subtest-2	18.52	18.52	18.55	18.90	19.07	19.09	19.13	19.40	24.56	24.56	24.43	25.50
3GPP Rel 6 HSDPA Subtest-3	18.51	18.51	18.54	18.90	19.04	19.13	19.10	19.40	24.16	24.10	23.96	25.00
3GPP Rel 6 HSDPA Subtest-4	18.53	18.52	18.49	18.90	19.08	19.09	19.14	19.40	24.04	24.09	23.89	25.00
3GPP Rel 6 HSUPA Subtest-2	17.65	17.47	17.61	18.90	18.20	18.17	18.28	19.40	22.30	22.18	21.91	23.50
3GPP Rel 6 HSUPA Subtest-3	17.54	17.51	17.61	18.90	18.13	18.20	18.27	19.40	23.38	23.23	22.88	24.50
3GPP Rel 6 HSUPA Subtest-4	17.54	17.58	17.58	18.90	18.11	18.12	18.34	19.40	22.32	22.17	21.88	23.50
3GPP Rel 6 HSUPA Subtest-5	18.50	18.50	18.50	18.90	19.05	19.15	19.15	19.40	24.50	24.50	24.20	25.50



FDD LTE Band 2_TX 0 (Index4)

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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.36	20.51	20.43	21.2
20	QPSK	1	49	20.22	20.43	20.28	
20	QPSK	1	99	20.28	20.39	20.24	
20	QPSK	50	0	20.34	20.42	20.41	21.2
20	QPSK	50	24	20.29	20.41	20.37	
20	QPSK	50	50	20.28	20.33	20.24	
20	QPSK	100	0	20.18	20.35	20.27	21.2
20	16QAM	1	0	20.44	20.48	20.46	
20	16QAM	1	49	20.23	20.40	20.21	
20	16QAM	1	99	20.32	20.39	20.33	21.2
20	16QAM	50	0	20.24	20.46	20.26	
20	16QAM	50	24	20.24	20.37	20.20	
20	16QAM	50	50	20.25	20.28	20.23	21.2
20	16QAM	100	0	20.30	20.32	20.28	
20	64QAM	1	0	20.33	20.46	20.37	
20	64QAM	1	49	20.34	20.33	20.26	
20	64QAM	1	99	20.30	20.30	20.31	
20	64QAM	50	0	20.29	20.40	20.20	21.2
20	64QAM	50	24	20.34	20.37	20.32	
20	64QAM	50	50	20.27	20.28	20.23	
20	64QAM	100	0	20.27	20.33	20.23	20.5
20	256QAM	1	0	19.92	20.14	20.14	
20	256QAM	1	49	19.97	20.00	19.95	
20	256QAM	1	99	19.87	19.85	20.13	20.5
20	256QAM	50	0	19.98	19.96	19.96	
20	256QAM	50	24	19.99	19.89	19.98	
20	256QAM	50	50	19.94	19.79	20.01	20.5
20	256QAM	100	0	20.02	19.91	20.01	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.32	20.41	20.43	21.2
15	QPSK	1	37	20.12	20.43	20.23	
15	QPSK	1	74	20.25	20.31	20.17	
15	QPSK	36	0	20.34	20.38	20.38	21.2
15	QPSK	36	20	20.28	20.40	20.29	
15	QPSK	36	39	20.27	20.29	20.14	
15	QPSK	75	0	20.12	20.34	20.19	21.2
15	16QAM	1	0	20.38	20.45	20.44	
15	16QAM	1	37	20.14	20.33	20.16	
15	16QAM	1	74	20.27	20.36	20.31	21.2
15	16QAM	36	0	20.24	20.42	20.19	
15	16QAM	36	20	20.17	20.32	20.15	
15	16QAM	36	39	20.22	20.19	20.15	21.2
15	16QAM	75	0	20.23	20.23	20.28	
15	64QAM	1	0	20.31	20.41	20.32	
15	64QAM	1	37	20.31	20.30	20.23	
15	64QAM	1	74	20.23	20.25	20.29	
15	64QAM	36	0	20.28	20.33	20.17	21.2
15	64QAM	36	20	20.24	20.32	20.24	
15	64QAM	36	39	20.19	20.27	20.23	



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15	64QAM	75	0	20.20	20.30	20.23	
15	256QAM	1	0	19.88	20.08	20.14	20.5
15	256QAM	1	37	19.91	19.98	19.93	
15	256QAM	1	74	19.79	19.78	20.10	
15	256QAM	36	0	19.95	19.92	19.92	20.5
15	256QAM	36	20	19.89	19.85	19.95	
15	256QAM	36	39	19.92	19.77	19.96	
15	256QAM	75	0	20.01	19.82	20.01	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.29	20.42	20.36	21.2
10	QPSK	1	25	20.15	20.38	20.27	
10	QPSK	1	49	20.27	20.36	20.20	
10	QPSK	25	0	20.24	20.41	20.40	21.2
10	QPSK	25	12	20.28	20.35	20.27	
10	QPSK	25	25	20.21	20.25	20.20	
10	QPSK	50	0	20.08	20.29	20.24	
10	16QAM	1	0	20.44	20.38	20.39	21.2
10	16QAM	1	25	20.15	20.39	20.11	
10	16QAM	1	49	20.29	20.37	20.29	
10	16QAM	25	0	20.23	20.38	20.26	21.2
10	16QAM	25	12	20.23	20.31	20.11	
10	16QAM	25	25	20.16	20.28	20.23	
10	16QAM	50	0	20.28	20.26	20.24	
10	64QAM	1	0	20.32	20.39	20.35	21.2
10	64QAM	1	25	20.25	20.29	20.19	
10	64QAM	1	49	20.22	20.27	20.30	
10	64QAM	25	0	20.26	20.31	20.18	21.2
10	64QAM	25	12	20.28	20.32	20.23	
10	64QAM	25	25	20.19	20.21	20.13	
10	64QAM	50	0	20.17	20.28	20.20	
10	256QAM	1	0	19.91	20.09	20.10	20.5
10	256QAM	1	25	19.88	20.00	19.86	
10	256QAM	1	49	19.79	19.80	20.08	
10	256QAM	25	0	19.90	19.94	19.90	20.5
10	256QAM	25	12	19.93	19.83	19.94	
10	256QAM	25	25	19.94	19.71	19.91	
10	256QAM	50	0	20.01	19.85	19.97	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.29	20.50	20.38	21.2
5	QPSK	1	12	20.13	20.35	20.28	
5	QPSK	1	24	20.25	20.34	20.16	
5	QPSK	12	0	20.27	20.33	20.32	21.2
5	QPSK	12	7	20.29	20.36	20.27	
5	QPSK	12	13	20.20	20.25	20.14	
5	QPSK	25	0	20.12	20.29	20.25	
5	16QAM	1	0	20.36	20.40	20.45	21.2
5	16QAM	1	12	20.22	20.39	20.19	
5	16QAM	1	24	20.27	20.29	20.29	
5	16QAM	12	0	20.18	20.36	20.23	21.2
5	16QAM	12	7	20.20	20.37	20.13	
5	16QAM	12	13	20.18	20.24	20.17	
5	16QAM	25	0	20.27	20.32	20.19	
5	64QAM	1	0	20.23	20.37	20.32	21.2
5	64QAM	1	12	20.26	20.33	20.22	



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5	64QAM	1	24	20.25	20.21	20.27	
5	64QAM	12	0	20.26	20.39	20.17	21.2
5	64QAM	12	7	20.29	20.27	20.25	
5	64QAM	12	13	20.19	20.21	20.13	
5	64QAM	25	0	20.19	20.33	20.18	
5	256QAM	1	0	19.90	20.14	20.07	
5	256QAM	1	12	19.91	19.98	19.88	20.5
5	256QAM	1	24	19.81	19.79	20.12	
5	256QAM	12	0	19.94	19.89	19.93	
5	256QAM	12	7	19.97	19.81	19.90	20.5
5	256QAM	12	13	19.87	19.75	19.92	
5	256QAM	25	0	19.97	19.85	19.95	
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.29	20.46	20.39	21.2
3	QPSK	1	8	20.21	20.39	20.24	
3	QPSK	1	14	20.23	20.32	20.18	
3	QPSK	8	0	20.33	20.38	20.40	21.2
3	QPSK	8	4	20.29	20.36	20.28	
3	QPSK	8	7	20.23	20.33	20.21	
3	QPSK	15	0	20.16	20.28	20.24	
3	16QAM	1	0	20.44	20.45	20.42	
3	16QAM	1	8	20.21	20.37	20.12	21.2
3	16QAM	1	14	20.27	20.37	20.26	
3	16QAM	8	0	20.14	20.38	20.21	21.2
3	16QAM	8	4	20.24	20.27	20.15	
3	16QAM	8	7	20.18	20.20	20.23	
3	16QAM	15	0	20.26	20.32	20.20	
3	64QAM	1	0	20.33	20.40	20.35	
3	64QAM	1	8	20.25	20.26	20.23	21.2
3	64QAM	1	14	20.30	20.30	20.25	
3	64QAM	8	0	20.19	20.32	20.14	21.2
3	64QAM	8	4	20.33	20.30	20.30	
3	64QAM	8	7	20.24	20.22	20.16	
3	64QAM	15	0	20.17	20.28	20.13	
3	256QAM	1	0	19.84	20.11	20.11	
3	256QAM	1	8	19.87	19.99	19.85	20.5
3	256QAM	1	14	19.78	19.85	20.06	
3	256QAM	8	0	19.90	19.88	19.89	
3	256QAM	8	4	19.95	19.87	19.97	20.5
3	256QAM	8	7	19.91	19.75	19.97	
3	256QAM	15	0	19.95	19.87	19.96	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.31	20.45	20.40	21.2
1.4	QPSK	1	3	20.21	20.37	20.28	
1.4	QPSK	1	5	20.19	20.31	20.23	
1.4	QPSK	3	0	20.28	20.39	20.40	
1.4	QPSK	3	1	20.20	20.35	20.35	
1.4	QPSK	3	3	20.23	20.28	20.21	
1.4	QPSK	6	0	20.12	20.31	20.26	
1.4	16QAM	1	0	20.42	20.42	20.37	21.2
1.4	16QAM	1	3	20.18	20.36	20.14	
1.4	16QAM	1	5	20.26	20.30	20.23	21.2
1.4	16QAM	3	0	20.20	20.43	20.26	
1.4	16QAM	3	1	20.24	20.33	20.11	



1.4	16QAM	3	3	20.21	20.18	20.19	
1.4	16QAM	6	0	20.23	20.28	20.25	21.2
1.4	64QAM	1	0	20.27	20.44	20.34	21.2
1.4	64QAM	1	3	20.34	20.30	20.26	
1.4	64QAM	1	5	20.26	20.25	20.30	
1.4	64QAM	3	0	20.23	20.34	20.12	
1.4	64QAM	3	1	20.30	20.30	20.32	
1.4	64QAM	3	3	20.22	20.19	20.17	
1.4	64QAM	6	0	20.22	20.31	20.20	
1.4	256QAM	1	0	19.86	20.06	20.06	20.5
1.4	256QAM	1	3	19.93	19.99	19.92	
1.4	256QAM	1	5	19.80	19.80	20.13	
1.4	256QAM	3	0	19.93	19.92	19.93	
1.4	256QAM	3	1	19.96	19.89	19.95	
1.4	256QAM	3	3	19.91	19.69	19.93	
1.4	256QAM	6	0	20.01	19.85	19.96	20.5

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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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.85	23.83	23.80	24
20	QPSK	1	49	23.62	23.57	23.48	
20	QPSK	1	99	23.73	23.64	23.69	
20	QPSK	50	0	23.44	23.38	23.33	24
20	QPSK	50	24	23.36	23.30	23.39	
20	QPSK	50	50	23.32	23.36	23.42	
20	QPSK	100	0	23.38	23.28	23.38	24
20	16QAM	1	0	22.40	22.45	22.46	
20	16QAM	1	49	22.43	22.41	22.35	
20	16QAM	1	99	22.42	22.46	22.55	23.3
20	16QAM	50	0	22.48	22.44	22.40	
20	16QAM	50	24	22.43	22.45	22.37	
20	16QAM	50	50	22.48	22.47	22.47	23.3
20	16QAM	100	0	22.42	22.36	22.34	
20	64QAM	1	0	22.59	22.58	22.53	
20	64QAM	1	49	22.50	22.42	22.36	23.3
20	64QAM	1	99	22.57	22.48	22.47	
20	64QAM	50	0	21.44	21.34	21.29	
20	64QAM	50	24	21.40	21.30	21.31	22.3
20	64QAM	50	50	21.27	21.25	21.31	
20	64QAM	100	0	21.32	21.31	21.29	
20	256QAM	1	0	19.60	19.64	19.73	20.3
20	256QAM	1	49	19.36	19.39	19.38	
20	256QAM	1	99	19.44	19.35	19.29	
20	256QAM	50	0	19.20	19.28	19.28	20.3
20	256QAM	50	24	19.17	19.24	19.32	
20	256QAM	50	50	19.14	19.20	19.15	
20	256QAM	100	0	19.26	19.28	19.20	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.84	23.78	23.80	24
15	QPSK	1	37	23.53	23.48	23.42	
15	QPSK	1	74	23.70	23.54	23.69	



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15	QPSK	36	0	23.35	23.38	23.24	24
15	QPSK	36	20	23.35	23.27	23.35	
15	QPSK	36	39	23.30	23.34	23.38	
15	QPSK	75	0	23.35	23.27	23.31	
15	16QAM	1	0	22.35	22.43	22.44	24
15	16QAM	1	37	22.33	22.33	22.31	
15	16QAM	1	74	22.33	22.37	22.54	
15	16QAM	36	0	22.45	22.39	22.31	23.3
15	16QAM	36	20	22.39	22.38	22.33	
15	16QAM	36	39	22.38	22.46	22.47	
15	16QAM	75	0	22.38	22.28	22.33	
15	64QAM	1	0	22.56	22.57	22.45	23.3
15	64QAM	1	37	22.48	22.40	22.26	
15	64QAM	1	74	22.53	22.42	22.40	
15	64QAM	36	0	21.42	21.25	21.27	22.3
15	64QAM	36	20	21.39	21.26	21.23	
15	64QAM	36	39	21.24	21.20	21.27	
15	64QAM	75	0	21.23	21.24	21.29	
15	256QAM	1	0	19.52	19.57	19.73	20.3
15	256QAM	1	37	19.36	19.31	19.33	
15	256QAM	1	74	19.39	19.26	19.24	
15	256QAM	36	0	19.17	19.25	19.26	20.3
15	256QAM	36	20	19.10	19.23	19.32	
15	256QAM	36	39	19.05	19.14	19.15	
15	256QAM	75	0	19.21	19.28	19.13	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.76	23.74	23.71	24
10	QPSK	1	25	23.59	23.51	23.42	
10	QPSK	1	49	23.72	23.64	23.65	
10	QPSK	25	0	23.44	23.30	23.24	24
10	QPSK	25	12	23.30	23.25	23.34	
10	QPSK	25	25	23.22	23.35	23.35	
10	QPSK	50	0	23.33	23.23	23.36	
10	16QAM	1	0	22.31	22.42	22.41	24
10	16QAM	1	25	22.36	22.35	22.31	
10	16QAM	1	49	22.35	22.37	22.48	
10	16QAM	25	0	22.40	22.40	22.40	23.3
10	16QAM	25	12	22.33	22.45	22.33	
10	16QAM	25	25	22.41	22.38	22.39	
10	16QAM	50	0	22.36	22.30	22.34	
10	64QAM	1	0	22.59	22.54	22.47	23.3
10	64QAM	1	25	22.50	22.36	22.31	
10	64QAM	1	49	22.48	22.39	22.43	
10	64QAM	25	0	21.36	21.30	21.22	22.3
10	64QAM	25	12	21.34	21.25	21.25	
10	64QAM	25	25	21.26	21.20	21.28	
10	64QAM	50	0	21.27	21.24	21.20	
10	256QAM	1	0	19.55	19.59	19.72	20.3
10	256QAM	1	25	19.36	19.30	19.29	
10	256QAM	1	49	19.36	19.31	19.23	
10	256QAM	25	0	19.10	19.21	19.28	20.3
10	256QAM	25	12	19.16	19.24	19.31	
10	256QAM	25	25	19.10	19.11	19.10	
10	256QAM	50	0	19.21	19.25	19.19	
Channel				18625	18900	19175	



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Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.84	23.79	23.75	24
5	QPSK	1	12	23.60	23.55	23.46	
5	QPSK	1	24	23.73	23.63	23.65	
5	QPSK	12	0	23.43	23.36	23.29	24
5	QPSK	12	7	23.26	23.28	23.33	
5	QPSK	12	13	23.24	23.33	23.42	
5	QPSK	25	0	23.32	23.25	23.35	24
5	16QAM	1	0	22.31	22.41	22.44	
5	16QAM	1	12	22.37	22.35	22.29	
5	16QAM	1	24	22.42	22.44	22.50	23.3
5	16QAM	12	0	22.40	22.38	22.38	
5	16QAM	12	7	22.34	22.41	22.35	
5	16QAM	12	13	22.48	22.37	22.37	23.3
5	16QAM	25	0	22.39	22.27	22.25	
5	64QAM	1	0	22.54	22.49	22.46	
5	64QAM	1	12	22.43	22.38	22.28	22.3
5	64QAM	1	24	22.48	22.38	22.38	
5	64QAM	12	0	21.41	21.28	21.29	
5	64QAM	12	7	21.39	21.24	21.23	20.3
5	64QAM	12	13	21.22	21.19	21.26	
5	64QAM	25	0	21.32	21.29	21.29	
5	256QAM	1	0	19.59	19.57	19.71	20.3
5	256QAM	1	12	19.34	19.39	19.31	
5	256QAM	1	24	19.35	19.28	19.20	
5	256QAM	12	0	19.12	19.24	19.23	20.3
5	256QAM	12	7	19.15	19.15	19.23	
5	256QAM	12	13	19.13	19.17	19.10	
5	256QAM	25	0	19.20	19.18	19.14	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.83	23.80	23.72	24
3	QPSK	1	8	23.53	23.53	23.39	
3	QPSK	1	14	23.65	23.57	23.64	
3	QPSK	8	0	23.44	23.33	23.25	24
3	QPSK	8	4	23.34	23.22	23.33	
3	QPSK	8	7	23.28	23.36	23.40	
3	QPSK	15	0	23.31	23.28	23.38	24
3	16QAM	1	0	22.34	22.39	22.39	
3	16QAM	1	8	22.41	22.39	22.25	
3	16QAM	1	14	22.40	22.36	22.47	23.3
3	16QAM	8	0	22.39	22.44	22.39	
3	16QAM	8	4	22.41	22.37	22.33	
3	16QAM	8	7	22.47	22.41	22.43	23.3
3	16QAM	15	0	22.36	22.36	22.34	
3	64QAM	1	0	22.59	22.48	22.43	
3	64QAM	1	8	22.48	22.37	22.33	22.3
3	64QAM	1	14	22.55	22.39	22.46	
3	64QAM	8	0	21.41	21.28	21.21	
3	64QAM	8	4	21.30	21.30	21.27	20.3
3	64QAM	8	7	21.25	21.18	21.21	
3	64QAM	15	0	21.28	21.24	21.29	
3	256QAM	1	0	19.51	19.57	19.69	20.3
3	256QAM	1	8	19.26	19.30	19.34	
3	256QAM	1	14	19.38	19.34	19.19	
3	256QAM	8	0	19.18	19.18	19.27	20.3



3	256QAM	8	4	19.13	19.16	19.30	
3	256QAM	8	7	19.08	19.16	19.15	
3	256QAM	15	0	19.20	19.24	19.19	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.80	23.70	23.77	24
1.4	QPSK	1	3	23.58	23.58	23.60	
1.4	QPSK	1	5	23.79	23.80	23.76	
1.4	QPSK	3	0	23.63	23.50	23.83	
1.4	QPSK	3	1	23.58	23.77	23.77	
1.4	QPSK	3	3	23.75	23.48	23.67	
1.4	QPSK	6	0	23.24	23.22	23.53	24
1.4	16QAM	1	0	23.49	23.31	23.20	24
1.4	16QAM	1	3	23.54	23.38	23.23	
1.4	16QAM	1	5	23.40	23.21	23.44	
1.4	16QAM	3	0	23.24	23.23	23.34	
1.4	16QAM	3	1	23.15	23.33	23.33	
1.4	16QAM	3	3	23.34	23.42	23.39	
1.4	16QAM	6	0	22.49	22.40	22.46	23.3
1.4	64QAM	1	0	22.30	22.58	22.29	23.3
1.4	64QAM	1	3	22.25	22.59	22.50	
1.4	64QAM	1	5	22.30	22.60	22.24	
1.4	64QAM	3	0	22.50	22.27	22.34	
1.4	64QAM	3	1	22.49	22.27	22.36	
1.4	64QAM	3	3	22.48	22.42	22.26	
1.4	64QAM	6	0	21.24	21.48	21.32	22.3
1.4	256QAM	1	0	19.17	19.51	19.41	20.3
1.4	256QAM	1	3	19.34	19.33	19.22	
1.4	256QAM	1	5	19.25	19.38	19.51	
1.4	256QAM	3	0	19.57	19.17	19.49	
1.4	256QAM	3	1	19.39	19.29	19.39	
1.4	256QAM	3	3	19.05	19.29	19.19	
1.4	256QAM	6	0	19.27	19.16	18.98	20.3

FDD LTE Band 4_TX 0 (Index4)

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	23.51	23.36	23.42	23.7
20	QPSK	1	49	23.09	23.12	23.09	
20	QPSK	1	99	22.99	23.03	22.99	
20	QPSK	50	0	23.30	23.32	23.19	23.7
20	QPSK	50	24	23.25	23.24	23.17	
20	QPSK	50	50	23.15	23.15	23.22	
20	QPSK	100	0	23.27	23.18	23.21	23.7
20	16QAM	1	0	23.56	23.59	23.53	
20	16QAM	1	49	23.45	23.41	23.36	
20	16QAM	1	99	23.40	23.42	23.38	23.5
20	16QAM	50	0	22.26	22.25	22.32	
20	16QAM	50	24	22.23	22.22	22.20	
20	16QAM	50	50	22.11	22.10	22.22	23.5
20	16QAM	100	0	22.21	22.19	22.27	
20	64QAM	1	0	22.53	22.50	22.56	
20	64QAM	1	49	22.42	22.35	22.42	23.5



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20	64QAM	1	99	22.34	22.27	22.29	
20	64QAM	50	0	21.33	21.24	21.29	22.5
20	64QAM	50	24	21.21	21.22	21.33	
20	64QAM	50	50	21.15	21.17	21.22	
20	64QAM	100	0	21.17	21.22	21.17	
20	256QAM	1	0	19.25	19.31	19.25	20.5
20	256QAM	1	49	19.17	19.31	19.12	
20	256QAM	1	99	19.18	19.19	19.08	
20	256QAM	50	0	18.77	18.99	18.86	20.5
20	256QAM	50	24	18.73	18.95	18.91	
20	256QAM	50	50	18.82	18.95	18.91	
20	256QAM	100	0	18.82	18.98	18.96	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.44	23.29	23.37	23.7
15	QPSK	1	37	23.03	23.07	22.97	
15	QPSK	1	74	22.90	23.00	22.85	
15	QPSK	36	0	23.29	23.31	23.13	23.7
15	QPSK	36	20	23.20	23.04	23.05	
15	QPSK	36	39	23.08	23.05	23.12	
15	QPSK	75	0	23.27	23.01	23.01	
15	16QAM	1	0	23.40	23.43	23.37	23.7
15	16QAM	1	37	23.38	23.21	23.34	
15	16QAM	1	74	23.36	23.22	23.20	
15	16QAM	36	0	22.11	22.06	22.29	23.5
15	16QAM	36	20	22.10	22.19	22.20	
15	16QAM	36	39	21.91	21.97	22.13	
15	16QAM	75	0	22.21	22.17	22.20	
15	64QAM	1	0	22.51	22.33	22.40	23.5
15	64QAM	1	37	22.33	22.20	22.29	
15	64QAM	1	74	22.26	22.18	22.26	
15	64QAM	36	0	21.24	21.07	21.21	22.5
15	64QAM	36	20	21.16	21.06	21.18	
15	64QAM	36	39	20.99	21.17	21.02	
15	64QAM	75	0	21.06	21.11	21.14	
15	256QAM	1	0	19.09	19.14	19.20	20.5
15	256QAM	1	37	19.10	19.28	19.08	
15	256QAM	1	74	19.00	19.12	18.94	
15	256QAM	36	0	18.71	18.82	18.85	20.5
15	256QAM	36	20	18.62	18.91	18.86	
15	256QAM	36	39	18.69	18.90	18.71	
15	256QAM	75	0	18.68	18.85	18.86	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.36	23.30	23.42	23.7
10	QPSK	1	25	23.06	22.97	22.94	
10	QPSK	1	49	22.97	23.02	22.86	
10	QPSK	25	0	23.29	23.25	23.04	23.7
10	QPSK	25	12	23.17	23.13	23.03	
10	QPSK	25	25	23.07	23.07	23.11	
10	QPSK	50	0	23.19	23.04	23.14	
10	16QAM	1	0	23.46	23.50	23.51	23.7
10	16QAM	1	25	23.29	23.37	23.32	
10	16QAM	1	49	23.40	23.34	23.21	
10	16QAM	25	0	22.20	22.23	22.21	23.5
10	16QAM	25	12	22.09	22.03	22.00	



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10	16QAM	25	25	21.96	22.01	22.09	
10	16QAM	50	0	22.03	22.07	22.14	
10	64QAM	1	0	22.48	22.44	22.46	23.5
10	64QAM	1	25	22.32	22.30	22.30	
10	64QAM	1	49	22.17	22.17	22.09	
10	64QAM	25	0	21.20	21.11	21.09	22.5
10	64QAM	25	12	21.07	21.09	21.33	
10	64QAM	25	25	21.13	21.17	21.06	
10	64QAM	50	0	21.14	21.20	21.17	
10	256QAM	1	0	19.13	19.30	19.21	20.5
10	256QAM	1	25	19.01	19.16	19.07	
10	256QAM	1	49	19.08	19.05	18.92	
10	256QAM	25	0	18.67	18.87	18.66	20.5
10	256QAM	25	12	18.57	18.77	18.89	
10	256QAM	25	25	18.75	18.77	18.81	
10	256QAM	50	0	18.68	18.93	18.84	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.38	23.29	23.41	23.7
5	QPSK	1	12	22.98	23.10	23.09	
5	QPSK	1	24	22.82	23.03	22.87	
5	QPSK	12	0	23.23	23.27	23.15	23.7
5	QPSK	12	7	23.17	23.19	23.13	
5	QPSK	12	13	23.08	23.05	23.08	
5	QPSK	25	0	23.13	22.99	23.17	
5	16QAM	1	0	23.42	23.39	23.37	23.7
5	16QAM	1	12	23.34	23.27	23.26	
5	16QAM	1	24	23.20	23.23	23.32	
5	16QAM	12	0	22.10	22.06	22.28	23.5
5	16QAM	12	7	22.12	22.11	22.06	
5	16QAM	12	13	22.06	22.07	22.21	
5	16QAM	25	0	22.06	22.13	22.07	
5	64QAM	1	0	22.52	22.43	22.48	23.5
5	64QAM	1	12	22.29	22.22	22.26	
5	64QAM	1	24	22.33	22.07	22.14	
5	64QAM	12	0	21.23	21.13	21.20	22.5
5	64QAM	12	7	21.01	21.19	21.18	
5	64QAM	12	13	20.96	21.10	21.22	
5	64QAM	25	0	21.16	21.14	21.10	
5	256QAM	1	0	19.16	19.26	19.05	20.5
5	256QAM	1	12	19.07	19.29	18.95	
5	256QAM	1	24	19.14	19.15	19.05	
5	256QAM	12	0	18.58	18.81	18.71	20.5
5	256QAM	12	7	18.53	18.79	18.79	
5	256QAM	12	13	18.79	18.83	18.73	
5	256QAM	25	0	18.75	18.92	18.83	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.32	23.34	23.38	23.7
3	QPSK	1	8	22.91	23.01	22.98	
3	QPSK	1	14	22.89	23.01	22.95	
3	QPSK	8	0	23.18	23.25	23.17	23.7
3	QPSK	8	4	23.21	23.16	23.15	
3	QPSK	8	7	22.98	22.96	23.13	
3	QPSK	15	0	23.07	23.14	23.15	
3	16QAM	1	0	23.45	23.50	23.44	23.7



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3	16QAM	1	8	23.33	23.37	23.30	
3	16QAM	1	14	23.36	23.24	23.26	
3	16QAM	8	0	22.19	22.07	22.15	23.5
3	16QAM	8	4	22.08	22.08	22.19	
3	16QAM	8	7	22.01	21.93	22.11	
3	16QAM	15	0	22.13	22.18	22.27	
3	64QAM	1	0	22.47	22.43	22.49	
3	64QAM	1	8	22.33	22.15	22.23	23.5
3	64QAM	1	14	22.25	22.19	22.10	
3	64QAM	8	0	21.21	21.19	21.20	22.5
3	64QAM	8	4	21.19	21.12	21.28	
3	64QAM	8	7	21.06	21.15	21.10	
3	64QAM	15	0	21.08	21.17	21.13	
3	256QAM	1	0	19.10	19.28	19.15	
3	256QAM	1	8	19.02	19.30	19.01	
3	256QAM	1	14	19.14	19.08	19.01	
3	256QAM	8	0	18.70	18.82	18.76	20.5
3	256QAM	8	4	18.64	18.76	18.80	
3	256QAM	8	7	18.64	18.95	18.76	
3	256QAM	15	0	18.78	18.95	18.94	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.48	23.21	23.41	23.7
1.4	QPSK	1	3	22.94	23.06	22.94	
1.4	QPSK	1	5	22.80	22.96	22.81	
1.4	QPSK	3	0	23.22	23.14	23.13	
1.4	QPSK	3	1	23.24	23.14	23.17	
1.4	QPSK	3	3	23.01	23.09	23.07	
1.4	QPSK	6	0	23.17	23.14	23.12	23.7
1.4	16QAM	1	0	23.46	23.40	23.51	23.7
1.4	16QAM	1	3	23.44	23.36	23.28	
1.4	16QAM	1	5	23.38	23.30	23.38	
1.4	16QAM	3	0	23.45	23.19	23.26	
1.4	16QAM	3	1	22.94	23.06	23.03	
1.4	16QAM	3	3	22.99	22.97	22.98	
1.4	16QAM	6	0	22.17	22.21	22.24	
1.4	64QAM	1	0	22.07	22.02	22.10	23.5
1.4	64QAM	1	3	22.39	22.35	22.55	
1.4	64QAM	1	5	22.37	22.22	22.39	
1.4	64QAM	3	0	22.05	22.01	22.22	
1.4	64QAM	3	1	22.47	22.34	22.56	
1.4	64QAM	3	3	22.27	22.18	22.33	
1.4	64QAM	6	0	22.09	22.20	22.08	
1.4	256QAM	1	0	19.16	19.23	19.17	20.5
1.4	256QAM	1	3	19.04	19.18	19.05	
1.4	256QAM	1	5	19.06	19.16	18.94	
1.4	256QAM	3	0	19.06	19.24	19.16	
1.4	256QAM	3	1	19.11	19.29	19.07	
1.4	256QAM	3	3	19.03	19.17	19.08	
1.4	256QAM	6	0	18.71	18.86	18.83	



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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.07	23.19	23.04	23.3	
20	QPSK	1	49	23.12	23.10	23.16		
20	QPSK	1	99	23.05	23.05	23.04		
20	QPSK	50	0	23.02	23.10	23.00	23.3	
20	QPSK	50	24	23.09	23.12	23.06		
20	QPSK	50	50	23.14	23.06	23.12		
20	QPSK	100	0	23.03	23.01	23.03	23.3	
20	16QAM	1	0	23.01	23.12	23.11		
20	16QAM	1	49	23.06	23.01	23.07		
20	16QAM	1	99	23.04	23.08	23.02	23.3	
20	16QAM	50	0	23.17	22.98	23.02		
20	16QAM	50	24	23.03	23.06	23.05		
20	16QAM	50	50	23.15	23.09	23.12	23.3	
20	16QAM	100	0	23.02	22.99	23.09		
20	64QAM	1	0	23.01	23.12	23.14		
20	64QAM	1	49	23.03	23.05	23.11	23.3	
20	64QAM	1	99	23.12	23.09	23.09		
20	64QAM	50	0	22.16	22.06	22.14		
20	64QAM	50	24	22.05	21.94	21.98	22.5	
20	64QAM	50	50	21.97	21.92	21.94		
20	64QAM	100	0	22.08	22.11	22.05		
20	256QAM	1	0	20.05	20.02	20.01	20.5	
20	256QAM	1	49	20.08	20.04	20.01		
20	256QAM	1	99	20.08	20.07	20.08		
20	256QAM	50	0	20.11	20.07	20.04	20.5	
20	256QAM	50	24	20.01	20.06	19.91		
20	256QAM	50	50	20.16	19.96	20.06		
20	256QAM	100	0	20.01	20.04	20.01	20.5	
Channel				20025	20175	20325		Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.16	23.14	23.05	23.3	
15	QPSK	1	37	23.09	23.14	23.13		
15	QPSK	1	74	23.05	23.06	23.10		
15	QPSK	36	0	23.01	23.11	23.03	23.3	
15	QPSK	36	20	23.10	23.15	23.04		
15	QPSK	36	39	23.08	23.07	23.12		
15	QPSK	75	0	23.06	23.10	23.08	23.3	
15	16QAM	1	0	23.07	23.02	23.06		
15	16QAM	1	37	23.06	23.09	23.10		
15	16QAM	1	74	23.03	23.08	23.01	23.3	
15	16QAM	36	0	23.07	23.03	23.05		
15	16QAM	36	20	23.10	23.05	23.12		
15	16QAM	36	39	23.09	23.02	23.09	23.3	
15	16QAM	75	0	22.99	23.07	23.02		
15	64QAM	1	0	23.05	23.10	23.15		
15	64QAM	1	37	23.13	23.12	23.08	23.3	
15	64QAM	1	74	23.10	23.06	23.06		
15	64QAM	36	0	22.08	22.10	22.09		22.5
15	64QAM	36	20	22.04	21.94	21.96		
15	64QAM	36	39	22.01	21.98	21.95		
15	64QAM	75	0	22.09	22.11	22.10	22.5	



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15	256QAM	1	0	20.07	20.11	20.04	20.5
15	256QAM	1	37	20.10	20.05	20.05	
15	256QAM	1	74	20.05	20.03	20.08	
15	256QAM	36	0	20.11	20.02	20.03	20.5
15	256QAM	36	20	20.10	20.03	19.99	
15	256QAM	36	39	20.12	19.96	20.00	
15	256QAM	75	0	20.02	20.08	20.02	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.07	23.14	23.07	23.3
10	QPSK	1	25	23.09	23.08	23.08	
10	QPSK	1	49	23.02	23.05	23.10	
10	QPSK	25	0	23.02	23.05	23.01	23.3
10	QPSK	25	12	23.09	23.15	23.04	
10	QPSK	25	25	23.11	23.05	23.09	
10	QPSK	50	0	23.09	23.03	23.04	
10	16QAM	1	0	23.08	23.06	23.08	23.3
10	16QAM	1	25	23.14	23.06	23.07	
10	16QAM	1	49	23.10	23.09	23.03	
10	16QAM	25	0	23.09	23.07	23.07	23.3
10	16QAM	25	12	23.03	23.02	23.07	
10	16QAM	25	25	23.14	23.00	23.06	
10	16QAM	50	0	23.07	23.05	23.00	
10	64QAM	1	0	23.06	23.07	23.07	23.3
10	64QAM	1	25	23.09	23.07	23.05	
10	64QAM	1	49	23.09	23.07	23.04	
10	64QAM	25	0	22.07	22.12	22.12	22.5
10	64QAM	25	12	22.03	21.88	21.96	
10	64QAM	25	25	22.00	21.94	22.03	
10	64QAM	50	0	22.15	22.07	22.00	
10	256QAM	1	0	20.05	20.12	20.02	20.5
10	256QAM	1	25	20.14	20.05	20.09	
10	256QAM	1	49	20.11	20.04	19.99	
10	256QAM	25	0	20.17	20.09	20.00	20.5
10	256QAM	25	12	20.05	20.00	19.92	
10	256QAM	25	25	20.14	20.00	20.02	
10	256QAM	50	0	19.98	20.06	20.03	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.06	23.16	23.07	23.3
5	QPSK	1	12	23.14	23.07	23.14	
5	QPSK	1	24	23.04	23.05	23.04	
5	QPSK	12	0	23.10	23.02	23.08	23.3
5	QPSK	12	7	23.10	23.05	23.13	
5	QPSK	12	13	23.14	23.04	23.10	
5	QPSK	25	0	23.09	23.05	23.03	
5	16QAM	1	0	23.03	23.12	23.10	23.3
5	16QAM	1	12	23.11	23.09	23.03	
5	16QAM	1	24	23.02	23.12	23.04	
5	16QAM	12	0	23.08	23.03	23.10	23.3
5	16QAM	12	7	23.05	23.09	23.09	
5	16QAM	12	13	23.13	23.05	23.09	
5	16QAM	25	0	23.08	23.02	23.06	
5	64QAM	1	0	23.10	23.06	23.09	23.3
5	64QAM	1	12	23.07	23.11	23.09	
5	64QAM	1	24	23.06	23.08	23.11	



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5	64QAM	12	0	22.14	22.12	22.05	22.5
5	64QAM	12	7	22.09	21.91	21.99	
5	64QAM	12	13	22.03	21.97	21.94	
5	64QAM	25	0	22.12	22.14	22.07	
5	256QAM	1	0	20.09	20.10	20.03	20.5
5	256QAM	1	12	20.11	20.06	20.10	
5	256QAM	1	24	20.13	20.01	19.99	
5	256QAM	12	0	20.17	20.02	20.03	20.5
5	256QAM	12	7	20.00	20.02	19.99	
5	256QAM	12	13	20.16	19.99	20.06	
5	256QAM	25	0	20.04	20.05	19.97	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.02	23.18	23.10	23.3
3	QPSK	1	8	23.07	23.13	23.09	
3	QPSK	1	14	23.07	23.06	23.07	
3	QPSK	8	0	23.02	23.05	23.05	23.3
3	QPSK	8	4	23.08	23.13	23.05	
3	QPSK	8	7	23.08	23.07	23.12	
3	QPSK	15	0	23.10	23.03	23.10	
3	16QAM	1	0	23.09	23.07	23.02	23.3
3	16QAM	1	8	23.10	23.04	23.08	
3	16QAM	1	14	23.09	23.07	23.07	
3	16QAM	8	0	23.12	23.05	23.07	23.3
3	16QAM	8	4	23.01	23.08	23.04	
3	16QAM	8	7	23.09	23.07	23.09	
3	16QAM	15	0	23.01	23.03	23.05	
3	64QAM	1	0	23.03	23.12	23.07	23.3
3	64QAM	1	8	23.06	23.14	23.04	
3	64QAM	1	14	23.13	23.02	23.13	
3	64QAM	8	0	22.07	22.11	22.12	22.5
3	64QAM	8	4	22.02	21.91	21.96	
3	64QAM	8	7	21.97	21.98	22.04	
3	64QAM	15	0	22.11	22.14	22.07	
3	256QAM	1	0	20.14	20.02	20.01	20.5
3	256QAM	1	8	20.09	20.10	20.03	
3	256QAM	1	14	20.03	20.01	20.04	
3	256QAM	8	0	20.15	20.01	20.06	20.5
3	256QAM	8	4	20.09	20.06	19.92	
3	256QAM	8	7	20.10	19.95	20.02	
3	256QAM	15	0	19.98	20.11	19.99	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.08	23.10	23.02	23.3
1.4	QPSK	1	3	23.05	23.11	23.09	
1.4	QPSK	1	5	23.01	23.10	23.12	
1.4	QPSK	3	0	23.03	23.06	23.03	
1.4	QPSK	3	1	23.03	23.07	23.11	
1.4	QPSK	3	3	23.12	23.10	23.05	
1.4	QPSK	6	0	23.01	23.00	23.06	23.3
1.4	16QAM	1	0	23.09	23.03	23.07	23.3
1.4	16QAM	1	3	23.13	23.09	23.06	
1.4	16QAM	1	5	23.07	23.12	23.02	
1.4	16QAM	3	0	23.08	23.05	23.06	
1.4	16QAM	3	1	23.06	23.01	23.12	
1.4	16QAM	3	3	23.14	23.05	23.11	



1.4	16QAM	6	0	22.99	23.08	23.02	23.3
1.4	64QAM	1	0	23.00	23.07	23.13	23.3
1.4	64QAM	1	3	23.07	23.07	23.11	
1.4	64QAM	1	5	23.08	23.04	23.11	
1.4	64QAM	3	0	23.02	23.09	23.05	
1.4	64QAM	3	1	23.08	23.11	23.13	
1.4	64QAM	3	3	23.03	23.13	23.04	
1.4	64QAM	6	0	22.12	22.05	22.08	22.5
1.4	256QAM	1	0	20.07	20.09	20.00	20.5
1.4	256QAM	1	3	20.13	20.09	20.09	
1.4	256QAM	1	5	20.06	19.99	20.08	
1.4	256QAM	3	0	20.17	20.05	20.05	
1.4	256QAM	3	1	20.00	20.07	19.92	
1.4	256QAM	3	3	20.06	19.90	20.02	
1.4	256QAM	6	0	20.05	20.05	19.97	20.5

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	20
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	19.20	19.10	19.12	
20	QPSK	1	49	19.02	18.91	18.88	20
20	QPSK	1	99	18.96	18.87	18.80	
20	QPSK	50	0	19.23	19.18	19.14	
20	QPSK	50	24	19.18	19.11	19.09	20
20	QPSK	50	50	19.12	19.06	19.01	
20	QPSK	100	0	19.16	19.10	19.06	
20	16QAM	1	0	19.50	19.53	19.46	20
20	16QAM	1	49	19.28	19.24	19.19	
20	16QAM	1	99	19.22	19.11	19.08	
20	16QAM	50	0	19.21	19.18	19.11	20
20	16QAM	50	24	19.18	19.14	19.08	
20	16QAM	50	50	19.11	19.05	19.01	
20	16QAM	100	0	19.15	19.10	19.05	20
20	64QAM	1	0	19.45	19.40	19.38	
20	64QAM	1	49	19.33	19.16	19.17	
20	64QAM	1	99	19.24	19.08	19.07	20
20	64QAM	50	0	19.25	19.20	19.15	
20	64QAM	50	24	19.19	19.15	19.07	
20	64QAM	50	50	19.13	19.06	19.00	19.8
20	64QAM	100	0	19.14	19.10	19.03	
20	256QAM	1	0	18.64	18.65	18.59	
20	256QAM	1	49	18.60	18.57	18.59	19.8
20	256QAM	1	99	18.58	18.52	18.45	
20	256QAM	50	0	18.36	18.21	18.16	
20	256QAM	50	24	18.17	18.18	18.17	20
20	256QAM	50	50	18.37	18.32	18.31	
20	256QAM	100	0	18.16	18.15	18.20	
Channel				20025	20175	20325	20
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.12	18.96	19.10	
15	QPSK	1	37	18.91	18.89	18.68	20
15	QPSK	1	74	18.88	18.85	18.76	
15	QPSK	36	0	19.04	19.15	18.98	



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15	QPSK	36	20	19.17	19.06	18.95	
15	QPSK	36	39	18.92	18.86	18.93	
15	QPSK	75	0	18.96	18.95	18.90	
15	16QAM	1	0	19.47	19.42	19.36	20
15	16QAM	1	37	19.12	19.05	19.03	
15	16QAM	1	74	19.15	19.03	18.93	
15	16QAM	36	0	19.09	18.99	18.92	20
15	16QAM	36	20	19.03	18.94	18.97	
15	16QAM	36	39	18.97	18.89	19.01	
15	16QAM	75	0	19.05	19.00	18.93	
15	64QAM	1	0	19.26	19.24	19.35	20
15	64QAM	1	37	19.19	19.03	19.09	
15	64QAM	1	74	19.07	18.93	18.93	
15	64QAM	36	0	19.12	19.09	19.12	20
15	64QAM	36	20	19.07	19.15	18.91	
15	64QAM	36	39	19.08	18.99	18.80	
15	64QAM	75	0	19.07	19.02	18.99	
15	256QAM	1	0	18.53	18.57	18.54	19.8
15	256QAM	1	37	18.52	18.46	18.51	
15	256QAM	1	74	18.45	18.36	18.29	
15	256QAM	36	0	18.24	18.15	18.12	19.8
15	256QAM	36	20	18.08	18.09	18.00	
15	256QAM	36	39	18.21	18.16	18.25	
15	256QAM	75	0	18.16	18.00	18.08	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	19.07	18.92	19.08	20
10	QPSK	1	25	18.96	18.78	18.80	
10	QPSK	1	49	18.92	18.75	18.76	
10	QPSK	25	0	19.20	19.09	19.05	20
10	QPSK	25	12	19.04	18.99	18.89	
10	QPSK	25	25	19.09	18.92	18.83	
10	QPSK	50	0	19.07	18.92	18.88	
10	16QAM	1	0	19.46	19.46	19.43	20
10	16QAM	1	25	19.16	19.04	19.12	
10	16QAM	1	49	19.18	19.06	19.00	
10	16QAM	25	0	19.01	18.99	18.96	20
10	16QAM	25	12	19.16	19.09	19.02	
10	16QAM	25	25	19.08	18.85	18.81	
10	16QAM	50	0	19.07	18.98	19.04	
10	64QAM	1	0	19.25	19.32	19.28	20
10	64QAM	1	25	19.29	19.00	19.04	
10	64QAM	1	49	19.05	19.05	19.01	
10	64QAM	25	0	19.12	19.02	18.95	20
10	64QAM	25	12	19.12	19.12	18.96	
10	64QAM	25	25	19.05	18.94	18.97	
10	64QAM	50	0	18.97	19.08	19.02	
10	256QAM	1	0	18.46	18.60	18.42	19.8
10	256QAM	1	25	18.45	18.45	18.41	
10	256QAM	1	49	18.44	18.44	18.38	
10	256QAM	25	0	18.16	18.08	18.09	19.8
10	256QAM	25	12	18.07	17.98	18.14	
10	256QAM	25	25	18.34	18.17	18.25	
10	256QAM	50	0	18.10	18.05	18.12	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	



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5	QPSK	1	0	19.08	18.95	18.94	20
5	QPSK	1	12	18.96	18.74	18.71	
5	QPSK	1	24	18.85	18.68	18.62	
5	QPSK	12	0	19.17	19.01	19.13	20
5	QPSK	12	7	18.98	19.07	19.05	
5	QPSK	12	13	18.97	19.04	18.92	
5	QPSK	25	0	19.06	19.03	19.03	20
5	16QAM	1	0	19.46	19.44	19.32	
5	16QAM	1	12	19.21	19.17	18.99	
5	16QAM	1	24	19.13	18.91	19.08	20
5	16QAM	12	0	19.17	18.99	19.07	
5	16QAM	12	7	19.15	19.03	18.97	
5	16QAM	12	13	19.02	18.86	18.93	20
5	16QAM	25	0	19.09	19.01	19.01	
5	64QAM	1	0	19.35	19.27	19.18	
5	64QAM	1	12	19.28	19.04	19.13	20
5	64QAM	1	24	19.15	18.93	19.01	
5	64QAM	12	0	19.18	19.00	19.12	
5	64QAM	12	7	19.12	18.96	19.06	20
5	64QAM	12	13	19.06	18.92	18.99	
5	64QAM	25	0	19.03	18.93	19.02	
5	256QAM	1	0	18.48	18.53	18.58	19.8
5	256QAM	1	12	18.53	18.52	18.49	
5	256QAM	1	24	18.56	18.42	18.43	
5	256QAM	12	0	18.23	18.16	17.99	19.8
5	256QAM	12	7	18.10	18.09	18.12	
5	256QAM	12	13	18.20	18.31	18.31	
5	256QAM	25	0	18.08	17.95	18.01	Tune-up limit (dBm)
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	19.15	19.02	18.97	20
3	QPSK	1	8	18.94	18.82	18.75	
3	QPSK	1	14	18.90	18.83	18.72	
3	QPSK	8	0	19.23	19.00	19.02	20
3	QPSK	8	4	19.12	19.01	19.08	
3	QPSK	8	7	19.04	18.92	19.01	
3	QPSK	15	0	19.03	19.03	18.96	20
3	16QAM	1	0	19.46	19.51	19.30	
3	16QAM	1	8	19.15	19.21	19.19	
3	16QAM	1	14	19.09	19.11	19.05	20
3	16QAM	8	0	19.04	19.17	19.02	
3	16QAM	8	4	19.10	19.14	19.05	
3	16QAM	8	7	18.99	18.97	18.84	20
3	16QAM	15	0	19.02	18.98	18.86	
3	64QAM	1	0	19.41	19.22	19.18	
3	64QAM	1	8	19.27	19.16	19.12	20
3	64QAM	1	14	19.05	18.96	18.97	
3	64QAM	8	0	19.24	19.14	19.14	
3	64QAM	8	4	19.12	19.13	18.93	20
3	64QAM	8	7	19.10	18.87	18.85	
3	64QAM	15	0	19.10	19.05	18.96	
3	256QAM	1	0	18.47	18.63	18.45	19.8
3	256QAM	1	8	18.56	18.46	18.42	
3	256QAM	1	14	18.45	18.42	18.39	
3	256QAM	8	0	18.22	18.21	18.03	19.8
3	256QAM	8	4	18.03	18.10	17.97	



Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
3	256QAM	8	7	18.36	18.22	18.15	
3	256QAM	15	0	18.04	18.05	18.09	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.10	18.96	19.07	20
1.4	QPSK	1	3	19.01	18.89	18.87	
1.4	QPSK	1	5	18.87	18.79	18.78	
1.4	QPSK	3	0	19.19	19.05	18.97	
1.4	QPSK	3	1	19.01	19.07	18.91	
1.4	QPSK	3	3	19.06	18.92	18.97	
1.4	QPSK	6	0	19.16	19.07	18.97	20
1.4	16QAM	1	0	19.45	19.48	19.35	20
1.4	16QAM	1	3	19.22	19.11	19.02	
1.4	16QAM	1	5	19.13	19.01	19.02	
1.4	16QAM	3	0	19.11	19.05	19.08	
1.4	16QAM	3	1	19.16	19.00	19.08	
1.4	16QAM	3	3	18.94	19.04	18.85	
1.4	16QAM	6	0	19.13	19.04	19.02	20
1.4	64QAM	1	0	19.30	19.24	19.19	20
1.4	64QAM	1	3	19.20	19.07	19.11	
1.4	64QAM	1	5	19.21	18.89	19.02	
1.4	64QAM	3	0	19.17	19.09	19.11	
1.4	64QAM	3	1	19.07	19.10	18.97	
1.4	64QAM	3	3	19.11	19.02	18.90	
1.4	64QAM	6	0	19.08	19.00	18.92	20
1.4	256QAM	1	0	18.48	18.54	18.48	19.8
1.4	256QAM	1	3	18.53	18.38	18.58	
1.4	256QAM	1	5	18.58	18.51	18.37	
1.4	256QAM	3	0	18.47	18.53	18.42	
1.4	256QAM	3	1	18.40	18.47	18.58	
1.4	256QAM	3	3	18.49	18.37	18.33	
1.4	256QAM	6	0	18.24	18.09	18.12	19.8

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.98	25.03	25.08	25.3
20	QPSK	1	49	24.65	24.76	24.73	
20	QPSK	1	99	24.70	24.77	24.82	
20	QPSK	50	0	23.76	23.83	23.85	24.3
20	QPSK	50	24	23.74	23.80	23.83	
20	QPSK	50	50	23.65	23.77	23.73	
20	QPSK	100	0	23.77	23.82	23.82	24.3
20	16QAM	1	0	23.84	23.95	23.94	
20	16QAM	1	49	23.68	23.82	23.78	
20	16QAM	1	99	23.78	23.83	23.78	23.3
20	16QAM	50	0	22.67	22.80	22.84	
20	16QAM	50	24	22.74	22.83	22.85	
20	16QAM	50	50	22.57	22.72	22.69	23.3
20	16QAM	100	0	22.70	22.78	22.82	
20	64QAM	1	0	22.84	22.91	22.89	
20	64QAM	1	49	22.68	22.78	22.74	23.3
20	64QAM	1	99	22.67	22.76	22.80	
20	64QAM	50	0	21.66	21.77	21.74	



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20	64QAM	50	24	21.73	21.79	21.77	
20	64QAM	50	50	21.64	21.69	21.68	
20	64QAM	100	0	21.70	21.78	21.75	
20	256QAM	1	0	19.84	19.90	19.86	20.3
20	256QAM	1	49	19.71	19.85	19.90	
20	256QAM	1	99	19.73	19.81	19.78	
20	256QAM	50	0	19.57	19.72	19.67	20.3
20	256QAM	50	24	19.57	19.70	19.68	
20	256QAM	50	50	19.67	19.74	19.78	
20	256QAM	100	0	19.61	19.73	19.71	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.79	24.86	25.04	25.3
15	QPSK	1	37	24.46	24.59	24.68	
15	QPSK	1	74	24.51	24.74	24.77	
15	QPSK	36	0	23.74	23.71	23.80	24.3
15	QPSK	36	20	23.59	23.74	23.65	
15	QPSK	36	39	23.47	23.63	23.63	
15	QPSK	75	0	23.74	23.78	23.69	
15	16QAM	1	0	23.65	23.93	23.86	24.3
15	16QAM	1	37	23.65	23.71	23.65	
15	16QAM	1	74	23.63	23.78	23.66	
15	16QAM	36	0	22.54	22.75	22.69	23.3
15	16QAM	36	20	22.74	22.82	22.82	
15	16QAM	36	39	22.39	22.71	22.63	
15	16QAM	75	0	22.57	22.76	22.62	
15	64QAM	1	0	22.78	22.81	22.78	23.3
15	64QAM	1	37	22.49	22.71	22.59	
15	64QAM	1	74	22.56	22.66	22.67	
15	64QAM	36	0	21.51	21.60	21.57	22.3
15	64QAM	36	20	21.60	21.74	21.60	
15	64QAM	36	39	21.60	21.55	21.57	
15	64QAM	75	0	21.57	21.62	21.75	
15	256QAM	1	0	19.71	19.76	19.72	20.3
15	256QAM	1	37	19.51	19.67	19.73	
15	256QAM	1	74	19.71	19.75	19.76	
15	256QAM	36	0	19.42	19.66	19.52	20.3
15	256QAM	36	20	19.54	19.60	19.65	
15	256QAM	36	39	19.58	19.73	19.61	
15	256QAM	75	0	19.43	19.71	19.55	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.79	24.96	24.96	25.3
10	QPSK	1	25	24.57	24.63	24.63	
10	QPSK	1	49	24.65	24.62	24.70	
10	QPSK	25	0	23.75	23.75	23.65	24.3
10	QPSK	25	12	23.54	23.61	23.66	
10	QPSK	25	25	23.64	23.64	23.63	
10	QPSK	50	0	23.60	23.75	23.79	
10	16QAM	1	0	23.81	23.86	23.86	24.3
10	16QAM	1	25	23.68	23.72	23.64	
10	16QAM	1	49	23.73	23.76	23.65	
10	16QAM	25	0	22.51	22.70	22.65	23.3
10	16QAM	25	12	22.59	22.77	22.78	
10	16QAM	25	25	22.52	22.69	22.59	
10	16QAM	50	0	22.68	22.66	22.82	



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10	64QAM	1	0	22.65	22.74	22.77	23.3
10	64QAM	1	25	22.49	22.76	22.55	
10	64QAM	1	49	22.51	22.57	22.77	
10	64QAM	25	0	21.46	21.73	21.61	22.3
10	64QAM	25	12	21.73	21.66	21.59	
10	64QAM	25	25	21.54	21.52	21.64	
10	64QAM	50	0	21.50	21.78	21.75	20.3
10	256QAM	1	0	19.70	19.84	19.70	
10	256QAM	1	25	19.59	19.74	19.87	
10	256QAM	1	49	19.68	19.77	19.76	20.3
10	256QAM	25	0	19.43	19.55	19.52	
10	256QAM	25	12	19.48	19.60	19.61	
10	256QAM	25	25	19.59	19.68	19.68	Tune-up limit (dBm)
10	256QAM	50	0	19.57	19.60	19.68	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.83	24.98	25.02	25.3
5	QPSK	1	12	24.57	24.72	24.66	
5	QPSK	1	24	24.60	24.65	24.68	
5	QPSK	12	0	23.71	23.74	23.77	24.3
5	QPSK	12	7	23.56	23.60	23.77	
5	QPSK	12	13	23.61	23.76	23.67	
5	QPSK	25	0	23.62	23.76	23.70	24.3
5	16QAM	1	0	23.80	23.79	23.90	
5	16QAM	1	12	23.55	23.65	23.63	
5	16QAM	1	24	23.67	23.67	23.64	23.3
5	16QAM	12	0	22.49	22.72	22.80	
5	16QAM	12	7	22.74	22.63	22.81	
5	16QAM	12	13	22.39	22.69	22.55	23.3
5	16QAM	25	0	22.62	22.74	22.66	
5	64QAM	1	0	22.84	22.90	22.81	
5	64QAM	1	12	22.51	22.76	22.67	23.3
5	64QAM	1	24	22.60	22.74	22.60	
5	64QAM	12	0	21.53	21.67	21.65	
5	64QAM	12	7	21.73	21.73	21.61	22.3
5	64QAM	12	13	21.49	21.51	21.67	
5	64QAM	25	0	21.69	21.58	21.71	
5	256QAM	1	0	19.83	19.89	19.75	20.3
5	256QAM	1	12	19.64	19.85	19.70	
5	256QAM	1	24	19.69	19.77	19.71	
5	256QAM	12	0	19.46	19.60	19.65	20.3
5	256QAM	12	7	19.48	19.65	19.63	
5	256QAM	12	13	19.64	19.66	19.60	
5	256QAM	25	0	19.46	19.64	19.55	Tune-up limit (dBm)
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.91	24.89	25.00	25.3
3	QPSK	1	8	24.45	24.63	24.54	
3	QPSK	1	14	24.61	24.62	24.76	
3	QPSK	8	0	23.60	23.83	23.82	24.3
3	QPSK	8	4	23.61	23.67	23.67	
3	QPSK	8	7	23.59	23.66	23.71	
3	QPSK	15	0	23.62	23.63	23.82	24.3
3	16QAM	1	0	23.70	23.95	23.80	
3	16QAM	1	8	23.67	23.67	23.72	
3	16QAM	1	14	23.75	23.73	23.63	



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3	16QAM	8	0	22.61	22.71	22.67	23.3
3	16QAM	8	4	22.60	22.82	22.79	
3	16QAM	8	7	22.51	22.56	22.69	
3	16QAM	15	0	22.67	22.77	22.76	
3	64QAM	1	0	22.83	22.76	22.78	23.3
3	64QAM	1	8	22.60	22.72	22.70	
3	64QAM	1	14	22.50	22.64	22.80	
3	64QAM	8	0	21.58	21.75	21.54	22.3
3	64QAM	8	4	21.73	21.78	21.62	
3	64QAM	8	7	21.55	21.69	21.59	
3	64QAM	15	0	21.58	21.72	21.70	
3	256QAM	1	0	19.80	19.81	19.86	20.3
3	256QAM	1	8	19.69	19.84	19.72	
3	256QAM	1	14	19.63	19.81	19.66	
3	256QAM	8	0	19.51	19.55	19.54	20.3
3	256QAM	8	4	19.41	19.70	19.50	
3	256QAM	8	7	19.55	19.54	19.62	
3	256QAM	15	0	19.48	19.71	19.57	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.93	24.97	25.02	25.3
1.4	QPSK	1	3	24.59	24.59	24.55	
1.4	QPSK	1	5	24.56	24.77	24.81	
1.4	QPSK	3	0	24.88	24.90	24.88	
1.4	QPSK	3	1	24.53	24.58	24.65	
1.4	QPSK	3	3	24.55	24.67	24.67	
1.4	QPSK	6	0	23.77	23.72	23.64	24.3
1.4	16QAM	1	0	23.83	23.75	23.92	24.3
1.4	16QAM	1	3	23.62	23.64	23.72	
1.4	16QAM	1	5	23.64	23.70	23.70	
1.4	16QAM	3	0	23.68	23.62	23.68	
1.4	16QAM	3	1	23.52	23.64	23.62	
1.4	16QAM	3	3	23.75	23.70	23.75	
1.4	16QAM	6	0	22.54	22.62	22.74	23.3
1.4	64QAM	1	0	22.79	22.81	22.82	23.3
1.4	64QAM	1	3	22.64	22.75	22.73	
1.4	64QAM	1	5	22.48	22.72	22.73	
1.4	64QAM	3	0	22.67	22.77	22.79	
1.4	64QAM	3	1	22.65	22.69	22.73	
1.4	64QAM	3	3	22.56	22.75	22.68	
1.4	64QAM	6	0	21.62	21.64	21.73	22.3
1.4	256QAM	1	0	19.83	19.74	19.75	20.3
1.4	256QAM	1	3	19.65	19.73	19.82	
1.4	256QAM	1	5	19.71	19.79	19.69	
1.4	256QAM	3	0	19.49	19.65	19.61	
1.4	256QAM	3	1	19.38	19.51	19.59	
1.4	256QAM	3	3	19.59	19.68	19.64	
1.4	256QAM	6	0	19.51	19.68	19.62	20.3



FDD LTE Band 5_TX 0 (Index4)

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	24.68	24.60	24.56	25.5
10	QPSK	1	25	24.36	24.36	24.35	
10	QPSK	1	49	24.38	24.36	24.29	
10	QPSK	25	0	23.50	23.47	23.49	24.5
10	QPSK	25	12	23.49	23.46	23.48	
10	QPSK	25	25	23.45	23.44	23.44	
10	QPSK	50	0	23.48	23.47	23.46	24.5
10	16QAM	1	0	23.76	23.77	23.74	
10	16QAM	1	25	23.67	23.68	23.67	
10	16QAM	1	49	23.76	23.71	23.64	23.5
10	16QAM	25	0	22.51	22.52	22.51	
10	16QAM	25	12	22.50	22.50	22.49	
10	16QAM	25	25	22.48	22.47	22.45	23.5
10	16QAM	50	0	22.46	22.47	22.45	
10	64QAM	1	0	22.69	22.66	22.67	
10	64QAM	1	25	22.54	22.54	22.48	
10	64QAM	1	49	22.76	22.55	22.50	
10	64QAM	25	0	21.51	21.45	21.47	22.5
10	64QAM	25	12	21.45	21.44	21.43	
10	64QAM	25	25	21.40	21.41	21.39	
10	64QAM	50	0	21.43	21.48	21.46	20.5
10	256QAM	1	0	19.32	19.45	19.27	
10	256QAM	1	25	19.01	19.21	18.96	
10	256QAM	1	49	19.10	19.29	19.10	20.5
10	256QAM	25	0	19.12	19.27	19.04	
10	256QAM	25	12	19.05	19.19	18.94	
10	256QAM	25	25	18.97	19.16	18.95	20.5
10	256QAM	50	0	19.04	19.22	19.02	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.50	24.54	24.48	25.5
5	QPSK	1	12	24.49	24.50	24.47	
5	QPSK	1	24	24.52	24.55	24.50	
5	QPSK	12	0	23.52	23.57	23.57	24.5
5	QPSK	12	7	23.57	23.57	23.57	
5	QPSK	12	13	23.57	23.56	23.56	
5	QPSK	25	0	23.56	23.53	23.54	24.5
5	16QAM	1	0	23.83	23.87	23.86	
5	16QAM	1	12	23.79	23.84	23.81	
5	16QAM	1	24	23.88	23.86	23.82	23.5
5	16QAM	12	0	22.58	22.60	22.60	
5	16QAM	12	7	22.59	22.61	22.61	
5	16QAM	12	13	22.58	22.61	22.60	23.5
5	16QAM	25	0	22.57	22.53	22.50	
5	64QAM	1	0	22.78	22.63	22.66	
5	64QAM	1	12	22.71	22.59	22.61	
5	64QAM	1	24	22.75	22.62	22.65	
5	64QAM	12	0	21.63	21.54	21.57	22.5
5	64QAM	12	7	21.58	21.59	21.53	
5	64QAM	12	13	21.57	21.59	21.52	



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5	64QAM	25	0	21.57	21.52	21.53	
5	256QAM	1	0	19.39	19.56	19.57	20.5
5	256QAM	1	12	19.54	19.49	19.37	
5	256QAM	1	24	19.45	19.58	19.40	
5	256QAM	12	0	19.56	19.52	19.55	20.5
5	256QAM	12	7	19.54	19.50	19.40	
5	256QAM	12	13	19.49	19.49	19.41	
5	256QAM	25	0	19.50	19.48	19.45	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.56	24.53	24.53	25.5
3	QPSK	1	8	24.38	24.38	24.37	
3	QPSK	1	14	24.45	24.47	24.45	
3	QPSK	8	0	23.45	23.48	23.47	24.5
3	QPSK	8	4	23.49	23.49	23.48	
3	QPSK	8	7	23.51	23.51	23.50	
3	QPSK	15	0	23.53	23.52	23.52	24.5
3	16QAM	1	0	23.84	23.78	23.83	
3	16QAM	1	8	23.68	23.68	23.67	
3	16QAM	1	14	23.81	23.75	23.72	23.5
3	16QAM	8	0	22.53	22.52	22.51	
3	16QAM	8	4	22.57	22.57	22.53	
3	16QAM	8	7	22.58	22.52	22.49	23.5
3	16QAM	15	0	22.49	22.50	22.48	
3	64QAM	1	0	22.62	22.49	22.58	
3	64QAM	1	8	22.59	22.52	22.48	22.5
3	64QAM	1	14	22.72	22.60	22.49	
3	64QAM	8	0	21.52	21.52	21.45	
3	64QAM	8	4	21.52	21.50	21.46	20.5
3	64QAM	8	7	21.56	21.58	21.46	
3	64QAM	15	0	21.53	21.53	21.49	
3	256QAM	1	0	19.52	19.45	19.63	20.5
3	256QAM	1	8	19.59	19.50	19.44	
3	256QAM	1	14	19.64	19.69	19.47	
3	256QAM	8	0	19.64	19.57	19.58	20.5
3	256QAM	8	4	19.57	19.56	19.47	
3	256QAM	8	7	19.56	19.57	19.54	
3	256QAM	15	0	19.52	19.54	19.52	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.49	24.47	24.46	25.5
1.4	QPSK	1	3	24.40	24.37	24.35	
1.4	QPSK	1	5	24.44	24.49	24.48	
1.4	QPSK	3	0	24.37	24.39	24.38	24.5
1.4	QPSK	3	1	24.46	24.51	24.49	
1.4	QPSK	3	3	24.50	24.51	24.51	
1.4	QPSK	6	0	23.50	23.51	23.52	23.5
1.4	16QAM	1	0	23.69	23.74	23.77	24.5
1.4	16QAM	1	3	23.64	23.59	23.65	
1.4	16QAM	1	5	23.80	23.70	23.84	
1.4	16QAM	3	0	23.52	23.51	23.50	23.5
1.4	16QAM	3	1	23.56	23.52	23.61	
1.4	16QAM	3	3	23.58	23.53	23.52	
1.4	16QAM	6	0	22.59	22.57	22.59	23.5
1.4	64QAM	1	0	22.62	22.55	22.63	23.5
1.4	64QAM	1	3	22.49	22.57	22.51	



1.4	64QAM	1	5	22.60	22.54	22.56	
1.4	64QAM	3	0	22.53	22.48	22.50	
1.4	64QAM	3	1	22.66	22.61	22.61	
1.4	64QAM	3	3	22.55	22.59	22.56	22.5
1.4	64QAM	6	0	21.46	21.50	21.46	
1.4	256QAM	1	0	19.52	19.52	19.43	20.5
1.4	256QAM	1	3	19.49	19.49	19.48	
1.4	256QAM	1	5	19.60	19.60	19.60	
1.4	256QAM	3	0	19.54	19.46	19.53	
1.4	256QAM	3	1	19.56	19.56	19.48	
1.4	256QAM	3	3	19.43	19.60	19.49	
1.4	256QAM	6	0	19.42	19.59	19.51	20.5

FDD LTE Band 5_TX 1 (Index4)

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	24.60	24.55	24.46	25.5
10	QPSK	1	25	24.44	24.43	24.29	
10	QPSK	1	49	24.57	24.48	24.36	
10	QPSK	25	0	23.73	23.68	23.59	24.5
10	QPSK	25	12	23.70	23.68	23.56	
10	QPSK	25	25	23.67	23.66	23.54	
10	QPSK	50	0	23.71	23.69	23.57	24.5
10	16QAM	1	0	24.00	23.97	23.80	
10	16QAM	1	25	24.01	23.82	23.74	
10	16QAM	1	49	24.00	23.74	23.67	23.5
10	16QAM	25	0	22.79	22.70	22.60	
10	16QAM	25	12	22.77	22.69	22.58	
10	16QAM	25	25	22.77	22.65	22.56	23.5
10	16QAM	50	0	22.77	22.67	22.57	
10	64QAM	1	0	23.01	22.98	22.76	
10	64QAM	1	25	22.93	22.73	22.53	23.5
10	64QAM	1	49	22.94	22.67	22.52	
10	64QAM	25	0	21.76	21.67	21.57	
10	64QAM	25	12	21.74	21.64	21.55	22.5
10	64QAM	25	25	21.72	21.65	21.53	
10	64QAM	50	0	21.78	21.66	21.56	
10	256QAM	1	0	19.54	19.49	19.41	20.5
10	256QAM	1	25	19.45	19.45	19.37	
10	256QAM	1	49	19.36	19.33	19.22	
10	256QAM	25	0	19.35	19.33	19.22	20.5
10	256QAM	25	12	19.37	19.36	19.26	
10	256QAM	25	25	19.25	19.28	19.11	
10	256QAM	50	0	19.27	19.23	19.05	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.53	24.44	24.33	25.5
5	QPSK	1	12	24.45	24.38	24.28	
5	QPSK	1	24	24.54	24.44	24.35	
5	QPSK	12	0	23.66	23.58	23.48	24.5
5	QPSK	12	7	23.69	23.60	23.49	
5	QPSK	12	13	23.68	23.57	23.46	
5	QPSK	25	0	23.68	23.55	23.45	



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5	16QAM	1	0	23.94	23.88	23.74	24.5
5	16QAM	1	12	23.86	23.74	23.64	
5	16QAM	1	24	24.01	23.84	23.72	
5	16QAM	12	0	22.75	22.65	22.53	23.5
5	16QAM	12	7	22.76	22.62	22.55	
5	16QAM	12	13	22.76	22.59	22.51	
5	16QAM	25	0	22.70	22.55	22.47	23.5
5	64QAM	1	0	22.75	22.71	22.61	
5	64QAM	1	12	22.77	22.59	22.55	
5	64QAM	1	24	22.89	22.64	22.53	22.5
5	64QAM	12	0	21.71	21.61	21.51	
5	64QAM	12	7	21.71	21.60	21.49	
5	64QAM	12	13	21.70	21.55	21.47	20.5
5	64QAM	25	0	21.65	21.50	21.41	
5	256QAM	1	0	19.94	19.56	19.50	
5	256QAM	1	12	19.85	19.53	19.68	20.5
5	256QAM	1	24	19.85	19.74	19.56	
5	256QAM	12	0	19.82	19.62	19.58	
5	256QAM	12	7	19.86	19.68	19.57	20.5
5	256QAM	12	13	19.82	19.64	19.51	
5	256QAM	25	0	19.80	19.66	19.59	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.49	24.47	24.29	25.5
3	QPSK	1	8	24.47	24.38	24.23	
3	QPSK	1	14	24.53	24.44	24.34	
3	QPSK	8	0	23.64	23.52	23.45	24.5
3	QPSK	8	4	23.70	23.53	23.48	
3	QPSK	8	7	23.62	23.55	23.47	
3	QPSK	15	0	23.62	23.51	23.43	24.5
3	16QAM	1	0	23.94	23.91	23.68	
3	16QAM	1	8	23.87	23.73	23.58	
3	16QAM	1	14	23.97	23.77	23.74	23.5
3	16QAM	8	0	22.76	22.68	22.52	
3	16QAM	8	4	22.75	22.62	22.58	
3	16QAM	8	7	22.76	22.60	22.48	23.5
3	16QAM	15	0	22.67	22.48	22.43	
3	64QAM	1	0	22.68	22.69	22.64	
3	64QAM	1	8	22.78	22.60	22.57	23.5
3	64QAM	1	14	22.83	22.60	22.53	
3	64QAM	8	0	21.66	21.59	21.53	
3	64QAM	8	4	21.65	21.53	21.52	22.5
3	64QAM	8	7	21.64	21.55	21.46	
3	64QAM	15	0	21.66	21.43	21.34	
3	256QAM	1	0	19.91	19.59	19.53	20.5
3	256QAM	1	8	19.84	19.54	19.71	
3	256QAM	1	14	19.83	19.76	19.52	
3	256QAM	8	0	19.80	19.59	19.51	20.5
3	256QAM	8	4	19.83	19.70	19.53	
3	256QAM	8	7	19.75	19.61	19.46	
3	256QAM	15	0	19.77	19.66	19.52	25.5
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.52	24.40	24.23	25.5
1.4	QPSK	1	3	24.34	24.29	24.13	
1.4	QPSK	1	5	24.51	24.35	24.22	



1.4	QPSK	3	0	24.44	24.26	24.20	
1.4	QPSK	3	1	24.50	24.43	24.26	
1.4	QPSK	3	3	24.43	24.41	24.27	
1.4	QPSK	6	0	23.51	23.40	23.31	24.5
1.4	16QAM	1	0	23.76	23.72	23.52	24.5
1.4	16QAM	1	3	23.63	23.50	23.44	
1.4	16QAM	1	5	23.76	23.68	23.54	
1.4	16QAM	3	0	23.47	23.36	23.33	
1.4	16QAM	3	1	23.56	23.53	23.36	
1.4	16QAM	3	3	23.61	23.40	23.30	
1.4	16QAM	6	0	22.60	22.47	22.36	23.5
1.4	64QAM	1	0	22.63	22.49	22.33	23.5
1.4	64QAM	1	3	22.64	22.47	22.41	
1.4	64QAM	1	5	22.59	22.48	22.42	
1.4	64QAM	3	0	22.58	22.30	22.29	
1.4	64QAM	3	1	22.59	22.47	22.38	
1.4	64QAM	3	3	22.59	22.36	22.34	
1.4	64QAM	6	0	21.41	21.27	21.24	22.5
1.4	256QAM	1	0	19.93	19.61	19.51	20.5
1.4	256QAM	1	3	19.86	19.49	19.74	
1.4	256QAM	1	5	19.83	19.75	19.49	
1.4	256QAM	3	0	19.74	19.61	19.54	
1.4	256QAM	3	1	19.80	19.67	19.53	
1.4	256QAM	3	3	19.76	19.64	19.46	
1.4	256QAM	6	0	19.80	19.63	19.48	20.5

FDD LTE Band 7_TX 0 (Index4)

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	21.20	21.24	21.32	21.5
20	QPSK	1	49	21.18	21.12	21.20	
20	QPSK	1	99	21.35	21.27	21.42	
20	QPSK	50	0	21.41	21.34	21.41	21.5
20	QPSK	50	24	21.43	21.38	21.44	
20	QPSK	50	50	21.40	21.37	21.40	
20	QPSK	100	0	21.40	21.34	21.48	21.5
20	16QAM	1	0	21.41	21.43	21.48	
20	16QAM	1	49	21.48	21.42	21.49	
20	16QAM	1	99	21.48	21.44	20.70	21.5
20	16QAM	50	0	21.40	21.37	21.43	
20	16QAM	50	24	21.45	21.34	21.45	
20	16QAM	50	50	21.44	21.40	21.41	21.5
20	16QAM	100	0	21.48	21.34	21.42	
20	64QAM	1	0	21.46	21.43	21.29	
20	64QAM	1	49	21.46	21.43	21.45	
20	64QAM	1	99	21.44	21.44	21.47	
20	64QAM	50	0	21.44	21.39	21.45	21.5
20	64QAM	50	24	21.42	21.37	21.43	
20	64QAM	50	50	21.45	21.39	21.48	
20	64QAM	100	0	21.39	21.38	21.47	20.5
20	256QAM	1	0	20.13	20.14	20.12	
20	256QAM	1	49	19.69	19.94	19.72	
20	256QAM	1	99	19.55	19.76	19.50	



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20	256QAM	50	0	19.42	19.58	19.40	20.5
20	256QAM	50	24	19.36	19.55	19.39	
20	256QAM	50	50	19.52	19.63	19.61	
20	256QAM	100	0	19.36	19.52	19.37	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.16	21.07	21.20	21.5
15	QPSK	1	37	20.99	21.00	21.11	
15	QPSK	1	74	21.29	21.14	21.25	
15	QPSK	36	0	21.34	21.17	21.36	21.5
15	QPSK	36	20	21.29	21.30	21.25	
15	QPSK	36	39	21.43	21.19	21.37	
15	QPSK	75	0	21.37	21.17	21.48	
15	16QAM	1	0	21.22	21.23	21.36	21.5
15	16QAM	1	37	21.41	21.25	21.43	
15	16QAM	1	74	21.45	21.39	20.60	
15	16QAM	36	0	21.34	21.20	21.31	21.5
15	16QAM	36	20	21.33	21.14	21.27	
15	16QAM	36	39	21.27	21.22	21.29	
15	16QAM	75	0	21.35	21.31	21.41	
15	64QAM	1	0	21.44	21.42	21.26	21.5
15	64QAM	1	37	21.40	21.37	21.41	
15	64QAM	1	74	21.28	21.34	21.40	
15	64QAM	36	0	21.33	21.20	21.30	21.5
15	64QAM	36	20	21.40	21.30	21.39	
15	64QAM	36	39	21.28	21.20	21.39	
15	64QAM	75	0	21.24	21.20	21.39	
15	256QAM	1	0	20.13	19.95	20.12	20.5
15	256QAM	1	37	19.69	19.74	19.68	
15	256QAM	1	74	19.49	19.64	19.48	
15	256QAM	36	0	19.38	19.54	19.34	20.5
15	256QAM	36	20	19.28	19.55	19.20	
15	256QAM	36	39	19.50	19.53	19.55	
15	256QAM	75	0	19.21	19.36	19.37	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.13	21.12	21.20	21.5
10	QPSK	1	25	21.11	21.09	21.12	
10	QPSK	1	49	21.22	21.14	21.27	
10	QPSK	25	0	21.35	21.33	21.21	21.5
10	QPSK	25	12	21.30	21.26	21.31	
10	QPSK	25	25	21.30	21.18	21.34	
10	QPSK	50	0	21.30	21.14	21.32	
10	16QAM	1	0	21.33	21.41	21.33	21.5
10	16QAM	1	25	21.38	21.37	21.43	
10	16QAM	1	49	21.43	21.28	20.70	
10	16QAM	25	0	21.28	21.31	21.40	21.5
10	16QAM	25	12	21.41	21.21	21.40	
10	16QAM	25	25	21.37	21.27	21.24	
10	16QAM	50	0	21.28	21.28	21.23	
10	64QAM	1	0	21.43	21.34	21.29	21.5
10	64QAM	1	25	21.34	21.33	21.37	
10	64QAM	1	49	21.40	21.42	21.31	
10	64QAM	25	0	21.27	21.31	21.35	21.5
10	64QAM	25	12	21.42	21.18	21.31	
10	64QAM	25	25	21.41	21.24	21.40	



10	64QAM	50	0	21.39	21.32	21.40	
10	256QAM	1	0	19.97	20.02	20.10	20.5
10	256QAM	1	25	19.66	19.74	19.63	
10	256QAM	1	49	19.45	19.58	19.38	
10	256QAM	25	0	19.31	19.49	19.27	20.5
10	256QAM	25	12	19.18	19.41	19.32	
10	256QAM	25	25	19.49	19.58	19.56	
10	256QAM	50	0	19.23	19.43	19.23	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.11	21.19	21.31	21.5
5	QPSK	1	12	20.99	21.11	21.17	
5	QPSK	1	24	21.25	21.20	21.27	
5	QPSK	12	0	21.27	21.28	21.30	21.5
5	QPSK	12	7	21.44	21.30	21.41	
5	QPSK	12	13	21.30	21.27	21.26	
5	QPSK	25	0	21.32	21.15	21.41	
5	16QAM	1	0	21.27	21.35	21.44	21.5
5	16QAM	1	12	21.30	21.41	21.29	
5	16QAM	1	24	21.41	21.32	20.66	
5	16QAM	12	0	21.26	21.36	21.38	21.5
5	16QAM	12	7	21.40	21.27	21.42	
5	16QAM	12	13	21.42	21.38	21.25	
5	16QAM	25	0	21.32	21.20	21.39	
5	64QAM	1	0	21.26	21.40	21.09	21.5
5	64QAM	1	12	21.43	21.32	21.30	
5	64QAM	1	24	21.36	21.35	21.44	
5	64QAM	12	0	21.24	21.22	21.40	21.5
5	64QAM	12	7	21.22	21.31	21.42	
5	64QAM	12	13	21.43	21.23	21.41	
5	64QAM	25	0	21.31	21.33	21.36	
5	256QAM	1	0	20.07	20.01	19.94	20.5
5	256QAM	1	12	19.64	19.90	19.59	
5	256QAM	1	24	19.40	19.71	19.42	
5	256QAM	12	0	19.24	19.55	19.40	20.5
5	256QAM	12	7	19.35	19.54	19.23	
5	256QAM	12	13	19.33	19.46	19.50	
5	256QAM	25	0	19.20	19.39	19.31	

FDD LTE Band 7_TX 1 (Index4)

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	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	18.23	18.43	18.21	19.1
20	QPSK	1	49	18.33	18.35	18.24	
20	QPSK	1	99	18.59	18.47	18.44	
20	QPSK	50	0	18.50	18.49	18.49	19.1
20	QPSK	50	24	18.48	18.48	18.45	
20	QPSK	50	50	18.48	18.42	18.48	
20	QPSK	100	0	18.48	18.47	18.45	
20	16QAM	1	0	18.39	18.53	18.56	19.1
20	16QAM	1	49	18.50	18.50	18.49	
20	16QAM	1	99	18.55	18.57	18.57	
20	16QAM	50	0	18.40	18.46	18.42	19.1



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20	16QAM	50	24	18.45	18.49	18.41	
20	16QAM	50	50	18.58	18.51	18.54	
20	16QAM	100	0	18.44	18.45	18.43	
20	64QAM	1	0	18.52	18.53	18.53	19.1
20	64QAM	1	49	18.50	18.49	18.49	
20	64QAM	1	99	18.51	18.57	18.56	
20	64QAM	50	0	18.44	18.51	18.39	19.1
20	64QAM	50	24	18.47	18.49	18.45	
20	64QAM	50	50	18.57	18.52	18.49	
20	64QAM	100	0	18.42	18.49	18.42	
20	256QAM	1	0	18.22	18.37	18.20	19.1
20	256QAM	1	49	18.28	18.25	18.19	
20	256QAM	1	99	18.54	18.41	18.42	
20	256QAM	50	0	18.48	18.47	18.39	19.1
20	256QAM	50	24	18.44	18.48	18.38	
20	256QAM	50	50	18.41	18.42	18.48	
20	256QAM	100	0	18.41	18.41	18.35	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	18.18	18.27	18.14	19.1
15	QPSK	1	37	18.17	18.20	18.10	
15	QPSK	1	74	18.39	18.37	18.37	
15	QPSK	36	0	18.33	18.36	18.47	19.1
15	QPSK	36	20	18.39	18.41	18.42	
15	QPSK	36	39	18.31	18.36	18.31	
15	QPSK	75	0	18.47	18.44	18.45	
15	16QAM	1	0	18.37	18.35	18.44	19.1
15	16QAM	1	37	18.38	18.40	18.34	
15	16QAM	1	74	18.40	18.49	18.47	
15	16QAM	36	0	18.40	18.33	18.24	19.1
15	16QAM	36	20	18.39	18.39	18.30	
15	16QAM	36	39	18.57	18.38	18.54	
15	16QAM	75	0	18.31	18.26	18.39	
15	64QAM	1	0	18.43	18.44	18.37	19.1
15	64QAM	1	37	18.49	18.40	18.42	
15	64QAM	1	74	18.33	18.49	18.38	
15	64QAM	36	0	18.38	18.49	18.25	19.1
15	64QAM	36	20	18.29	18.37	18.41	
15	64QAM	36	39	18.51	18.45	18.48	
15	64QAM	75	0	18.29	18.43	18.40	
15	256QAM	1	0	18.15	18.34	18.20	19.1
15	256QAM	1	37	18.23	18.19	18.05	
15	256QAM	1	74	18.45	18.32	18.38	
15	256QAM	36	0	18.48	18.41	18.21	19.1
15	256QAM	36	20	18.37	18.33	18.18	
15	256QAM	36	39	18.30	18.23	18.34	
15	256QAM	75	0	18.38	18.27	18.26	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	18.03	18.37	18.18	19.1
10	QPSK	1	25	18.32	18.33	18.17	
10	QPSK	1	49	18.39	18.33	18.35	
10	QPSK	25	0	18.47	18.47	18.35	19.1
10	QPSK	25	12	18.30	18.47	18.30	
10	QPSK	25	25	18.33	18.28	18.44	
10	QPSK	50	0	18.29	18.29	18.45	



10	16QAM	1	0	18.21	18.42	18.51	19.1
10	16QAM	1	25	18.39	18.30	18.37	
10	16QAM	1	49	18.42	18.54	18.48	
10	16QAM	25	0	18.38	18.33	18.42	19.1
10	16QAM	25	12	18.36	18.49	18.31	
10	16QAM	25	25	18.48	18.46	18.49	
10	16QAM	50	0	18.40	18.41	18.37	19.1
10	64QAM	1	0	18.52	18.33	18.38	
10	64QAM	1	25	18.31	18.43	18.48	
10	64QAM	1	49	18.51	18.56	18.37	19.1
10	64QAM	25	0	18.42	18.33	18.23	
10	64QAM	25	12	18.46	18.37	18.42	
10	64QAM	25	25	18.43	18.51	18.48	19.1
10	64QAM	50	0	18.41	18.36	18.40	
10	256QAM	1	0	18.16	18.25	18.06	
10	256QAM	1	25	18.20	18.17	18.17	19.1
10	256QAM	1	49	18.53	18.40	18.39	
10	256QAM	25	0	18.40	18.44	18.27	
10	256QAM	25	12	18.24	18.36	18.21	19.1
10	256QAM	25	25	18.34	18.35	18.31	
10	256QAM	50	0	18.38	18.35	18.31	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	18.09	18.37	18.13	19.1
5	QPSK	1	12	18.29	18.34	18.18	
5	QPSK	1	24	18.56	18.39	18.39	
5	QPSK	12	0	18.41	18.30	18.32	19.1
5	QPSK	12	7	18.35	18.39	18.31	
5	QPSK	12	13	18.30	18.38	18.31	
5	QPSK	25	0	18.28	18.27	18.35	19.1
5	16QAM	1	0	18.26	18.52	18.48	
5	16QAM	1	12	18.48	18.40	18.42	
5	16QAM	1	24	18.52	18.40	18.53	19.1
5	16QAM	12	0	18.35	18.43	18.39	
5	16QAM	12	7	18.37	18.33	18.32	
5	16QAM	12	13	18.50	18.32	18.38	19.1
5	16QAM	25	0	18.26	18.42	18.40	
5	64QAM	1	0	18.52	18.46	18.34	
5	64QAM	1	12	18.32	18.42	18.45	19.1
5	64QAM	1	24	18.35	18.54	18.54	
5	64QAM	12	0	18.27	18.40	18.38	
5	64QAM	12	7	18.31	18.29	18.36	19.1
5	64QAM	12	13	18.44	18.38	18.31	
5	64QAM	25	0	18.26	18.33	18.37	
5	256QAM	1	0	18.08	18.33	18.16	19.1
5	256QAM	1	12	18.19	18.23	18.13	
5	256QAM	1	24	18.40	18.33	18.34	
5	256QAM	12	0	18.29	18.28	18.23	19.1
5	256QAM	12	7	18.40	18.34	18.18	
5	256QAM	12	13	18.35	18.24	18.34	
5	256QAM	25	0	18.41	18.41	18.35	



FDD LTE Band 12_TX 0 (Index4)

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	24.78	24.87	24.80	25.5
10	QPSK	1	25	24.70	24.73	24.66	
10	QPSK	1	49	24.75	24.74	24.69	
10	QPSK	25	0	23.79	23.84	23.80	24.5
10	QPSK	25	12	23.75	23.83	23.75	
10	QPSK	25	25	23.78	23.82	23.80	
10	QPSK	50	0	23.78	23.82	23.81	24.5
10	16QAM	1	0	24.09	24.07	24.10	
10	16QAM	1	25	24.04	24.08	24.01	
10	16QAM	1	49	24.08	24.17	24.06	23.5
10	16QAM	25	0	22.79	22.80	22.81	
10	16QAM	25	12	22.78	22.80	22.82	
10	16QAM	25	25	22.77	22.83	22.83	23.5
10	16QAM	50	0	22.79	22.80	22.80	
10	64QAM	1	0	22.98	23.03	23.00	
10	64QAM	1	25	23.05	22.97	22.99	
10	64QAM	1	49	23.02	23.04	22.98	
10	64QAM	25	0	21.80	21.81	21.78	22.5
10	64QAM	25	12	21.78	21.85	21.77	
10	64QAM	25	25	21.78	21.85	21.78	
10	64QAM	50	0	21.78	21.85	21.81	20.5
10	256QAM	1	0	19.92	19.96	19.80	
10	256QAM	1	25	19.57	19.66	19.42	
10	256QAM	1	49	19.65	19.74	19.51	20.5
10	256QAM	25	0	19.57	19.62	19.41	
10	256QAM	25	12	19.46	19.54	19.29	
10	256QAM	25	25	19.44	19.53	19.29	20.5
10	256QAM	50	0	19.47	19.58	19.40	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.72	24.77	24.76	25.5
5	QPSK	1	12	24.77	24.72	24.76	
5	QPSK	1	24	24.70	24.71	24.68	
5	QPSK	12	0	23.93	23.87	23.92	24.5
5	QPSK	12	7	23.92	23.94	23.94	
5	QPSK	12	13	23.95	23.92	23.95	
5	QPSK	25	0	23.92	23.90	23.90	24.5
5	16QAM	1	0	24.23	24.18	24.31	
5	16QAM	1	12	24.13	24.12	24.28	
5	16QAM	1	24	24.24	24.23	24.26	23.5
5	16QAM	12	0	22.98	22.92	23.00	
5	16QAM	12	7	22.97	22.96	22.99	
5	16QAM	12	13	22.94	22.97	22.96	23.5
5	16QAM	25	0	22.90	22.89	22.91	
5	64QAM	1	0	23.14	23.09	23.11	
5	64QAM	1	12	22.98	23.02	23.12	
5	64QAM	1	24	22.92	23.13	23.09	
5	64QAM	12	0	21.95	21.89	21.99	22.5
5	64QAM	12	7	21.97	21.92	22.02	
5	64QAM	12	13	21.99	21.90	22.03	



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5	64QAM	25	0	21.89	21.85	21.91	
5	256QAM	1	0	20.01	19.92	19.98	20.5
5	256QAM	1	12	19.78	19.76	19.83	
5	256QAM	1	24	19.70	19.69	19.89	
5	256QAM	12	0	19.83	19.85	19.77	20.5
5	256QAM	12	7	19.76	19.89	19.76	
5	256QAM	12	13	19.77	19.76	19.76	
5	256QAM	25	0	19.74	19.81	19.74	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.77	24.80	24.71	25.5
3	QPSK	1	8	24.72	24.65	24.65	
3	QPSK	1	14	24.72	24.74	24.71	
3	QPSK	8	0	23.95	23.90	23.87	24.5
3	QPSK	8	4	23.98	23.92	23.89	
3	QPSK	8	7	23.95	23.94	23.92	
3	QPSK	15	0	23.92	23.91	23.89	
3	16QAM	1	0	24.24	24.22	24.26	24.5
3	16QAM	1	8	24.09	24.10	24.10	
3	16QAM	1	14	24.15	24.19	24.16	
3	16QAM	8	0	22.98	22.94	22.97	23.5
3	16QAM	8	4	22.99	22.98	22.97	
3	16QAM	8	7	22.99	22.97	22.96	
3	16QAM	15	0	22.95	22.89	22.93	
3	64QAM	1	0	23.02	23.02	23.14	23.5
3	64QAM	1	8	22.98	22.96	23.07	
3	64QAM	1	14	23.07	22.97	23.09	
3	64QAM	8	0	21.99	21.92	22.01	22.5
3	64QAM	8	4	21.96	21.95	21.97	
3	64QAM	8	7	21.95	22.00	21.99	
3	64QAM	15	0	21.97	21.97	22.00	
3	256QAM	1	0	19.92	19.94	19.96	20.5
3	256QAM	1	8	19.89	19.68	19.90	
3	256QAM	1	14	19.90	19.81	19.87	
3	256QAM	8	0	19.81	19.84	19.73	20.5
3	256QAM	8	4	19.79	19.73	19.85	
3	256QAM	8	7	19.79	19.76	19.84	
3	256QAM	15	0	19.76	19.74	19.77	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.75	24.79	24.77	25.5
1.4	QPSK	1	3	24.79	24.75	24.64	
1.4	QPSK	1	5	24.78	24.79	24.80	
1.4	QPSK	3	0	24.71	24.64	24.62	
1.4	QPSK	3	1	24.67	24.73	24.70	
1.4	QPSK	3	3	24.71	24.77	24.79	
1.4	QPSK	6	0	23.98	23.96	23.94	24.5
1.4	16QAM	1	0	24.20	24.19	24.19	24.5
1.4	16QAM	1	3	24.04	24.13	24.13	
1.4	16QAM	1	5	24.15	24.19	24.10	
1.4	16QAM	3	0	23.92	23.90	23.91	
1.4	16QAM	3	1	23.97	23.96	23.97	
1.4	16QAM	3	3	24.07	23.99	23.95	
1.4	16QAM	6	0	23.03	23.00	22.98	23.5
1.4	64QAM	1	0	23.03	23.07	23.06	23.5
1.4	64QAM	1	3	23.02	22.99	22.99	



1.4	64QAM	1	5	23.11	23.03	23.03	
1.4	64QAM	3	0	22.94	22.94	22.96	
1.4	64QAM	3	1	23.06	23.02	23.04	
1.4	64QAM	3	3	23.06	23.04	22.99	
1.4	64QAM	6	0	21.97	21.90	21.96	22.5
1.4	256QAM	1	0	19.89	20.07	19.95	20.5
1.4	256QAM	1	3	19.79	19.75	19.80	
1.4	256QAM	1	5	19.85	19.91	19.77	
1.4	256QAM	3	0	19.76	19.82	19.74	
1.4	256QAM	3	1	19.77	19.77	19.81	
1.4	256QAM	3	3	19.81	19.76	19.94	
1.4	256QAM	6	0	19.74	19.77	19.76	20.5

FDD LTE Band 12_TX 1 (Index4)

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	24.95	24.96	24.86	25.5
10	QPSK	1	25	24.87	24.80	24.68	
10	QPSK	1	49	24.92	24.88	24.82	
10	QPSK	25	0	23.93	23.98	23.93	24.5
10	QPSK	25	12	23.94	23.98	23.92	
10	QPSK	25	25	23.96	23.98	23.92	
10	QPSK	50	0	23.92	24.00	23.93	
10	16QAM	1	0	24.31	24.29	24.19	24.5
10	16QAM	1	25	24.25	24.20	24.12	
10	16QAM	1	49	24.33	24.24	24.09	
10	16QAM	25	0	23.05	22.99	22.92	23.5
10	16QAM	25	12	23.05	22.99	22.92	
10	16QAM	25	25	23.06	22.98	22.92	
10	16QAM	50	0	23.01	22.96	22.90	
10	64QAM	1	0	23.25	23.04	23.09	23.5
10	64QAM	1	25	23.25	23.23	23.11	
10	64QAM	1	49	23.31	23.14	23.06	
10	64QAM	25	0	21.97	21.96	21.91	22.5
10	64QAM	25	12	22.00	21.94	21.87	
10	64QAM	25	25	22.01	21.95	21.90	
10	64QAM	50	0	22.03	21.97	21.91	
10	256QAM	1	0	20.15	20.15	19.92	20.5
10	256QAM	1	25	19.88	19.94	19.66	
10	256QAM	1	49	19.67	19.71	19.43	
10	256QAM	25	0	19.75	19.84	19.52	20.5
10	256QAM	25	12	19.66	19.71	19.40	
10	256QAM	25	25	19.49	19.58	19.27	
10	256QAM	50	0	19.64	19.72	19.46	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.85	24.75	24.67	25.5
5	QPSK	1	12	24.78	24.67	24.60	
5	QPSK	1	24	24.84	24.85	24.85	
5	QPSK	12	0	24.11	24.02	23.93	24.5
5	QPSK	12	7	24.11	24.02	23.93	
5	QPSK	12	13	24.11	24.02	23.93	
5	QPSK	25	0	24.12	24.01	23.91	



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5	16QAM	1	0	24.36	24.24	24.29	24.5
5	16QAM	1	12	24.29	24.15	24.17	
5	16QAM	1	24	24.36	24.28	24.20	
5	16QAM	12	0	23.15	23.05	22.97	23.5
5	16QAM	12	7	23.18	23.07	22.99	
5	16QAM	12	13	23.17	23.10	22.97	
5	16QAM	25	0	23.09	23.03	22.95	23.5
5	64QAM	1	0	23.16	23.19	23.13	
5	64QAM	1	12	23.15	23.00	23.03	
5	64QAM	1	24	23.24	23.18	23.10	22.5
5	64QAM	12	0	22.15	22.04	21.98	
5	64QAM	12	7	22.16	22.06	21.97	
5	64QAM	12	13	22.14	22.05	21.98	20.5
5	64QAM	25	0	22.11	22.06	21.92	
5	256QAM	1	0	20.16	20.05	20.02	
5	256QAM	1	12	20.21	20.25	20.04	20.5
5	256QAM	1	24	20.13	20.12	19.89	
5	256QAM	12	0	20.15	20.02	19.94	
5	256QAM	12	7	20.12	20.02	19.92	20.5
5	256QAM	12	13	20.12	19.95	19.88	
5	256QAM	25	0	19.98	19.97	19.84	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.82	24.75	24.63	25.5
3	QPSK	1	8	24.71	24.62	24.63	
3	QPSK	1	14	24.79	24.86	24.83	
3	QPSK	8	0	24.05	24.05	23.94	24.5
3	QPSK	8	4	24.11	24.06	23.96	
3	QPSK	8	7	24.06	23.95	23.94	
3	QPSK	15	0	24.15	23.95	23.87	24.5
3	16QAM	1	0	24.39	24.27	24.27	
3	16QAM	1	8	24.27	24.17	24.17	
3	16QAM	1	14	24.29	24.25	24.17	23.5
3	16QAM	8	0	23.09	22.99	22.99	
3	16QAM	8	4	23.16	23.02	22.94	
3	16QAM	8	7	23.10	23.10	22.97	23.5
3	16QAM	15	0	23.03	22.98	22.96	
3	64QAM	1	0	23.17	23.19	23.11	
3	64QAM	1	8	23.16	22.94	22.97	23.5
3	64QAM	1	14	23.18	23.19	23.05	
3	64QAM	8	0	22.14	22.06	21.94	
3	64QAM	8	4	22.14	22.03	21.95	22.5
3	64QAM	8	7	22.10	22.02	21.97	
3	64QAM	15	0	22.04	22.02	21.89	
3	256QAM	1	0	20.12	20.06	20.00	20.5
3	256QAM	1	8	20.24	20.20	19.98	
3	256QAM	1	14	20.13	20.11	19.82	
3	256QAM	8	0	20.14	20.03	19.97	20.5
3	256QAM	8	4	20.05	20.03	19.87	
3	256QAM	8	7	20.06	19.90	19.83	
3	256QAM	15	0	19.95	19.97	19.86	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.81	24.90	24.86	25.5
1.4	QPSK	1	3	24.80	24.93	24.90	
1.4	QPSK	1	5	24.89	24.90	24.86	



1.4	QPSK	3	0	23.90	23.96	23.87	
1.4	QPSK	3	1	23.89	23.94	23.85	
1.4	QPSK	3	3	23.86	23.90	23.86	
1.4	QPSK	6	0	23.82	24.03	23.86	24.5
1.4	16QAM	1	0	24.18	24.23	24.16	24.5
1.4	16QAM	1	3	23.99	24.17	23.93	
1.4	16QAM	1	5	24.04	24.23	24.15	
1.4	16QAM	3	0	22.86	22.98	22.88	
1.4	16QAM	3	1	22.91	22.94	22.96	
1.4	16QAM	3	3	23.02	22.97	22.95	
1.4	16QAM	6	0	22.94	23.00	22.97	23.5
1.4	64QAM	1	0	23.15	23.07	22.94	23.5
1.4	64QAM	1	3	22.99	23.10	23.05	
1.4	64QAM	1	5	23.14	23.13	23.12	
1.4	64QAM	3	0	21.88	22.01	21.94	
1.4	64QAM	3	1	21.94	22.05	22.00	
1.4	64QAM	3	3	21.93	21.94	22.03	
1.4	64QAM	6	0	21.99	22.00	21.93	22.5
1.4	256QAM	1	0	20.07	20.00	19.95	20.5
1.4	256QAM	1	3	20.25	20.13	19.97	
1.4	256QAM	1	5	20.16	20.06	19.84	
1.4	256QAM	3	0	20.10	19.98	19.97	
1.4	256QAM	3	1	20.06	20.02	19.84	
1.4	256QAM	3	3	20.09	19.84	19.81	
1.4	256QAM	6	0	19.95	19.93	19.81	20.5

FDD LTE Band 13_TX 0 (Index4)

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				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.73		25.5
10	QPSK	1	25		24.57		
10	QPSK	1	49		24.57		
10	QPSK	25	0		23.80		24.5
10	QPSK	25	12		23.77		
10	QPSK	25	25		23.72		
10	QPSK	50	0		23.80		24.5
10	16QAM	1	0		23.99		
10	16QAM	1	25		24.00		
10	16QAM	1	49		23.95		23.5
10	16QAM	25	0		22.81		
10	16QAM	25	12		22.77		
10	16QAM	25	25		22.76		23.5
10	16QAM	50	0		22.76		
10	64QAM	1	0		22.89		
10	64QAM	1	25		22.87		23.5
10	64QAM	1	49		22.93		
10	64QAM	25	0		21.78		
10	64QAM	25	12		21.81		22.5
10	64QAM	25	25		21.77		
10	64QAM	50	0		21.81		
10	256QAM	1	0		20.03		20.5
10	256QAM	1	25		19.82		
10	256QAM	1	49		19.77		



10	256QAM	25	0		19.89		20.5
10	256QAM	25	12		19.69		
10	256QAM	25	25		19.60		
10	256QAM	50	0		19.61		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.70	24.72	24.69	25.5
5	QPSK	1	12	24.66	24.69	24.67	
5	QPSK	1	24	24.72	24.68	24.64	
5	QPSK	12	0	23.70	23.70	23.67	24.5
5	QPSK	12	7	23.72	23.67	23.67	
5	QPSK	12	13	23.71	23.62	23.64	
5	QPSK	25	0	23.76	23.65	23.66	
5	16QAM	1	0	23.84	23.90	23.91	24.5
5	16QAM	1	12	23.80	23.88	23.84	
5	16QAM	1	24	23.94	23.93	23.92	
5	16QAM	12	0	22.71	22.70	22.71	23.5
5	16QAM	12	7	22.75	22.78	22.73	
5	16QAM	12	13	22.73	22.79	22.73	
5	16QAM	25	0	22.74	22.71	22.68	
5	64QAM	1	0	22.82	22.83	22.89	23.5
5	64QAM	1	12	22.74	22.79	22.77	
5	64QAM	1	24	22.76	22.79	22.75	
5	64QAM	12	0	21.65	21.74	21.74	22.5
5	64QAM	12	7	21.69	21.79	21.72	
5	64QAM	12	13	21.76	21.80	21.74	
5	64QAM	25	0	21.69	21.69	21.68	
5	256QAM	1	0	19.97	20.16	20.07	20.5
5	256QAM	1	12	19.94	19.90	19.98	
5	256QAM	1	24	19.82	19.97	19.89	
5	256QAM	12	0	19.92	19.94	19.93	20.5
5	256QAM	12	7	19.91	19.90	19.88	
5	256QAM	12	13	19.85	19.96	19.85	
5	256QAM	25	0	19.88	19.88	19.87	

FDD LTE Band 13_TX 1 (Index4)

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				23230			Tune-up limit (dBm)
Frequency (MHz)				782			
10	QPSK	1	0		24.77		25.5
10	QPSK	1	25		24.69		
10	QPSK	1	49		24.69		
10	QPSK	25	0		23.89		24.5
10	QPSK	25	12		23.89		
10	QPSK	25	25		23.83		
10	QPSK	50	0		23.90		24.5
10	16QAM	1	0		24.08		
10	16QAM	1	25		24.04		
10	16QAM	1	49		24.19		24.5
10	16QAM	25	0		22.88		
10	16QAM	25	12		22.87		
10	16QAM	25	25		22.86		23.5
10	16QAM	50	0		22.87		
10	64QAM	1	0		22.93		23.5



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10	64QAM	1	25		23.00		
10	64QAM	1	49		23.09		
10	64QAM	25	0		21.85		22.5
10	64QAM	25	12		21.82		
10	64QAM	25	25		21.86		
10	64QAM	50	0		21.89		
10	256QAM	1	0		19.97		
10	256QAM	1	25		19.96		
10	256QAM	1	49		19.72		
10	256QAM	25	0		19.78		20.5
10	256QAM	25	12		19.66		
10	256QAM	25	25		19.64		
10	256QAM	50	0		19.76		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.73	24.74	24.72	25.5
5	QPSK	1	12	24.71	24.70	24.73	
5	QPSK	1	24	24.73	24.73	24.69	
5	QPSK	12	0	24.09	24.09	24.04	24.5
5	QPSK	12	7	24.10	24.07	24.04	
5	QPSK	12	13	24.08	24.06	24.03	
5	QPSK	25	0	24.14	24.08	24.04	
5	16QAM	1	0	24.24	24.34	24.23	24.5
5	16QAM	1	12	24.21	24.24	24.20	
5	16QAM	1	24	24.28	24.40	24.27	
5	16QAM	12	0	23.11	23.11	23.05	23.5
5	16QAM	12	7	23.15	23.10	23.11	
5	16QAM	12	13	23.14	23.13	23.10	
5	16QAM	25	0	23.10	23.10	23.04	
5	64QAM	1	0	23.15	23.27	23.15	23.5
5	64QAM	1	12	23.12	23.22	23.12	
5	64QAM	1	24	23.25	23.28	23.19	
5	64QAM	12	0	22.14	22.12	22.06	22.5
5	64QAM	12	7	22.18	22.13	22.10	
5	64QAM	12	13	22.17	22.14	22.11	
5	64QAM	25	0	22.14	22.09	22.06	
5	256QAM	1	0	20.17	19.85	20.05	20.5
5	256QAM	1	12	20.23	19.93	19.98	
5	256QAM	1	24	20.05	20.06	20.20	
5	256QAM	12	0	20.07	19.67	20.07	20.5
5	256QAM	12	7	20.03	20.23	20.07	
5	256QAM	12	13	19.99	20.10	20.03	
5	256QAM	25	0	19.98	19.81	19.97	



FDD LTE Band 14_TX 0 (Index4)

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				23330			25.5
Frequency (MHz)				793			
10	QPSK	1	0		24.77		25.5
10	QPSK	1	25		24.68		
10	QPSK	1	49		24.64		
10	QPSK	25	0		23.84		24.5
10	QPSK	25	12		23.84		
10	QPSK	25	25		23.78		
10	QPSK	50	0		23.85		24.5
10	16QAM	1	0		24.23		
10	16QAM	1	25		24.13		
10	16QAM	1	49		24.00		23.5
10	16QAM	25	0		22.87		
10	16QAM	25	12		22.84		
10	16QAM	25	25		22.82		23.5
10	16QAM	50	0		22.84		
10	64QAM	1	0		23.07		
10	64QAM	1	25		22.98		23.5
10	64QAM	1	49		22.91		
10	64QAM	25	0		21.87		
10	64QAM	25	12		21.81		22.5
10	64QAM	25	25		21.79		
10	64QAM	50	0		21.87		
10	256QAM	1	0		19.83		20.5
10	256QAM	1	25		19.62		
10	256QAM	1	49		19.71		
10	256QAM	25	0		19.76		20.5
10	256QAM	25	12		19.65		
10	256QAM	25	25		19.59		
10	256QAM	50	0		19.68		20.5
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	24.67	24.72	24.72	25.5
5	QPSK	1	12	24.70	24.75	24.74	
5	QPSK	1	24	24.71	24.74	24.76	
5	QPSK	12	0	23.73	23.75	23.71	24.5
5	QPSK	12	7	23.78	23.73	23.70	
5	QPSK	12	13	23.73	23.70	23.68	
5	QPSK	25	0	23.69	23.71	23.69	24.5
5	16QAM	1	0	23.99	24.04	24.00	
5	16QAM	1	12	24.01	23.96	23.92	
5	16QAM	1	24	24.02	23.95	23.96	23.5
5	16QAM	12	0	22.72	22.72	22.72	
5	16QAM	12	7	22.77	22.72	22.71	
5	16QAM	12	13	22.75	22.68	22.68	23.5
5	16QAM	25	0	22.75	22.70	22.68	
5	64QAM	1	0	22.78	22.88	22.90	
5	64QAM	1	12	22.69	22.68	22.73	23.5
5	64QAM	1	24	22.80	22.72	22.71	
5	64QAM	12	0	21.79	21.78	21.75	
5	64QAM	12	7	21.80	21.68	21.70	22.5
5	64QAM	12	13	21.78	21.66	21.66	



5	64QAM	25	0	21.69	21.64	21.68	
5	256QAM	1	0	19.87	19.93	20.06	20.5
5	256QAM	1	12	19.93	19.85	19.91	
5	256QAM	1	24	19.95	19.86	19.84	
5	256QAM	12	0	19.98	19.97	19.98	20.5
5	256QAM	12	7	19.97	19.91	19.89	
5	256QAM	12	13	19.80	19.93	19.82	
5	256QAM	25	0	19.88	19.91	19.92	

FDD LTE Band 14_TX 1 (Index4)

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				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.91		25.5
10	QPSK	1	25		24.79		
10	QPSK	1	49		24.80		
10	QPSK	25	0		23.97		24.5
10	QPSK	25	12		23.94		
10	QPSK	25	25		23.92		
10	QPSK	50	0		23.99		24.5
10	16QAM	1	0		24.26		
10	16QAM	1	25		24.11		
10	16QAM	1	49		24.08		23.5
10	16QAM	25	0		22.97		
10	16QAM	25	12		22.95		
10	16QAM	25	25		22.92		23.5
10	16QAM	50	0		22.94		
10	64QAM	1	0		23.15		
10	64QAM	1	25		23.10		
10	64QAM	1	49		23.07		
10	64QAM	25	0		21.94		22.5
10	64QAM	25	12		21.93		
10	64QAM	25	25		21.93		
10	64QAM	50	0		21.98		20.5
10	256QAM	1	0		19.77		
10	256QAM	1	25		19.75		
10	256QAM	1	49		19.65		20.5
10	256QAM	25	0		19.63		
10	256QAM	25	12		19.69		
10	256QAM	25	25		19.71		20.5
10	256QAM	50	0		19.72		
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.90	24.85	24.78	25.5
5	QPSK	1	12	24.84	24.90	24.73	
5	QPSK	1	24	24.90	24.84	24.90	
5	QPSK	12	0	24.16	24.11	24.07	24.5
5	QPSK	12	7	24.16	24.10	24.07	
5	QPSK	12	13	24.14	24.09	24.05	
5	QPSK	25	0	24.12	24.09	24.04	24.5
5	16QAM	1	0	24.44	24.43	24.41	
5	16QAM	1	12	24.36	24.36	24.37	
5	16QAM	1	24	24.40	24.39	24.40	24.5
5	16QAM	12	0	23.14	23.11	23.10	



5	16QAM	12	7	23.18	23.14	23.10	
5	16QAM	12	13	23.16	23.16	23.10	
5	16QAM	25	0	23.13	23.13	23.07	
5	64QAM	1	0	23.23	23.16	23.22	23.5
5	64QAM	1	12	23.16	23.12	23.14	
5	64QAM	1	24	23.21	23.13	23.22	
5	64QAM	12	0	22.14	22.19	22.08	22.5
5	64QAM	12	7	22.18	22.12	22.09	
5	64QAM	12	13	22.13	22.10	22.10	
5	64QAM	25	0	22.13	22.10	22.06	20.5
5	256QAM	1	0	20.06	20.14	20.04	
5	256QAM	1	12	20.17	20.12	19.92	
5	256QAM	1	24	19.98	20.03	19.84	20.5
5	256QAM	12	0	20.18	20.11	20.09	
5	256QAM	12	7	20.07	20.05	19.94	
5	256QAM	12	13	20.01	19.99	19.97	20.5
5	256QAM	25	0	20.04	19.98	19.91	

FDD LTE Band 17_TX 0 (Index4)

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	24.85	24.85	24.86	
10	QPSK	1	25	24.79	24.80	24.82	
10	QPSK	1	49	24.84	24.83	24.85	
10	QPSK	25	0	23.92	23.86	24.02	24.5
10	QPSK	25	12	23.91	23.84	24.02	
10	QPSK	25	25	23.88	23.86	24.01	
10	QPSK	50	0	23.91	23.85	23.98	24.5
10	16QAM	1	0	24.09	24.07	24.22	
10	16QAM	1	25	24.07	23.97	24.17	
10	16QAM	1	49	24.16	24.03	24.17	23.5
10	16QAM	25	0	22.91	22.92	23.00	
10	16QAM	25	12	22.92	22.91	22.98	
10	16QAM	25	25	22.93	22.91	22.99	23.5
10	16QAM	50	0	22.89	22.91	22.96	
10	64QAM	1	0	23.05	23.07	23.20	
10	64QAM	1	25	23.13	23.01	23.13	
10	64QAM	1	49	23.10	23.10	23.12	
10	64QAM	25	0	21.91	21.89	21.97	22.5
10	64QAM	25	12	21.95	21.89	21.95	
10	64QAM	25	25	21.93	21.90	21.97	
10	64QAM	50	0	21.96	21.93	22.00	20.5
10	256QAM	1	0	20.00	20.25	20.16	
10	256QAM	1	25	19.43	19.78	19.64	
10	256QAM	1	49	19.50	19.85	19.75	20.5
10	256QAM	25	0	19.66	19.92	19.80	
10	256QAM	25	12	19.33	19.61	19.50	
10	256QAM	25	25	19.31	19.57	19.42	20.5
10	256QAM	25	25	19.31	19.57	19.42	
10	256QAM	50	0	19.39	19.70	19.56	25.5
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.75	24.77	24.81	25.5
5	QPSK	1	12	24.70	24.70	24.72	



5	QPSK	1	24	24.80	24.83	24.76	
5	QPSK	12	0	23.80	23.82	23.85	24.5
5	QPSK	12	7	23.79	23.82	23.87	
5	QPSK	12	13	23.80	23.83	23.83	
5	QPSK	25	0	23.81	23.82	23.81	
5	16QAM	1	0	24.02	24.15	24.15	24.5
5	16QAM	1	12	24.05	24.02	24.04	
5	16QAM	1	24	24.10	24.11	24.06	
5	16QAM	12	0	22.81	22.88	22.91	23.5
5	16QAM	12	7	22.81	22.88	22.91	
5	16QAM	12	13	22.82	22.87	22.89	
5	16QAM	25	0	22.80	22.79	22.82	
5	64QAM	1	0	22.86	22.93	22.94	23.5
5	64QAM	1	12	22.81	22.93	22.91	
5	64QAM	1	24	22.90	22.96	22.87	
5	64QAM	12	0	21.79	21.82	21.89	22.5
5	64QAM	12	7	21.81	21.84	21.92	
5	64QAM	12	13	21.83	21.85	21.89	
5	64QAM	25	0	21.79	21.79	21.85	
5	256QAM	1	0	20.13	20.11	20.09	20.5
5	256QAM	1	12	20.03	19.93	20.00	
5	256QAM	1	24	20.04	19.90	20.06	
5	256QAM	12	0	20.07	19.98	19.91	20.5
5	256QAM	12	7	19.94	19.92	19.88	
5	256QAM	12	13	19.89	19.88	19.87	
5	256QAM	25	0	19.93	19.93	19.81	

FDD LTE Band 17_TX 1 (Index4)

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	24.95	24.86	24.89	25.5
10	QPSK	1	25	24.84	24.78	24.81	
10	QPSK	1	49	24.85	24.84	24.83	
10	QPSK	25	0	24.00	24.01	23.99	24.5
10	QPSK	25	12	24.01	24.00	23.99	
10	QPSK	25	25	23.99	24.00	23.99	
10	QPSK	50	0	24.03	24.00	24.00	
10	16QAM	1	0	24.23	24.19	24.24	24.5
10	16QAM	1	25	24.15	24.20	24.12	
10	16QAM	1	49	24.21	24.29	24.23	
10	16QAM	25	0	23.00	23.02	22.99	23.5
10	16QAM	25	12	23.01	23.00	22.97	
10	16QAM	25	25	23.02	23.01	22.98	
10	16QAM	50	0	22.98	22.98	22.96	
10	64QAM	1	0	23.20	23.14	23.19	23.5
10	64QAM	1	25	23.11	23.04	23.13	
10	64QAM	1	49	23.12	23.14	23.12	
10	64QAM	25	0	22.01	21.99	21.98	22.5
10	64QAM	25	12	22.02	21.99	21.97	
10	64QAM	25	25	22.02	22.01	22.00	
10	64QAM	50	0	22.04	22.04	22.03	
10	256QAM	1	0	20.02	19.92	19.95	20.5
10	256QAM	1	25	19.98	19.92	19.90	



10	256QAM	1	49	19.89	19.87	19.84	20.5
10	256QAM	25	0	20.06	19.96	19.94	
10	256QAM	25	12	19.79	19.77	19.80	
10	256QAM	25	25	19.72	19.65	19.63	
10	256QAM	50	0	19.90	19.83	19.86	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.92	24.92	24.86	25.5
5	QPSK	1	12	24.91	24.85	24.82	
5	QPSK	1	24	24.92	24.94	24.92	
5	QPSK	12	0	24.21	24.15	24.10	24.5
5	QPSK	12	7	24.20	24.15	24.10	
5	QPSK	12	13	24.20	24.12	24.10	
5	QPSK	25	0	24.19	24.11	24.09	24.5
5	16QAM	1	0	24.49	24.43	24.38	
5	16QAM	1	12	24.40	24.32	24.34	
5	16QAM	1	24	24.42	24.38	24.35	23.5
5	16QAM	12	0	23.23	23.16	23.13	
5	16QAM	12	7	23.26	23.22	23.13	
5	16QAM	12	13	23.28	23.19	23.13	23.5
5	16QAM	25	0	23.23	23.18	23.09	
5	64QAM	1	0	23.35	23.31	23.28	
5	64QAM	1	12	23.28	23.14	23.20	23.5
5	64QAM	1	24	23.36	23.25	23.27	
5	64QAM	12	0	22.23	22.23	22.17	
5	64QAM	12	7	22.24	22.18	22.16	22.5
5	64QAM	12	13	22.25	22.16	22.15	
5	64QAM	25	0	22.22	22.16	22.10	
5	256QAM	1	0	20.23	20.21	20.14	20.5
5	256QAM	1	12	20.01	19.98	20.03	
5	256QAM	1	24	20.08	20.22	19.92	
5	256QAM	12	0	20.01	20.02	19.90	20.5
5	256QAM	12	7	19.94	19.88	20.06	
5	256QAM	12	13	19.98	19.87	19.88	
5	256QAM	25	0	19.91	19.92	19.86	

FDD LTE Band 25_TX 0 (Index4)

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	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.41	23.44	23.39	23.5
20	QPSK	1	49	23.31	23.34	23.22	
20	QPSK	1	99	23.33	23.35	23.18	
20	QPSK	50	0	23.45	23.46	23.30	23.5
20	QPSK	50	24	23.39	23.42	23.25	
20	QPSK	50	50	23.38	23.42	23.24	
20	QPSK	100	0	23.40	23.41	23.26	23.5
20	16QAM	1	0	23.45	23.34	23.41	
20	16QAM	1	49	23.31	23.28	23.31	
20	16QAM	1	99	23.32	23.48	23.40	23.5
20	16QAM	50	0	22.40	22.42	22.27	
20	16QAM	50	24	22.39	22.45	22.27	
20	16QAM	50	50	22.33	22.35	22.26	23.5
20	16QAM	100	0	22.36	22.41	22.27	



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20	64QAM	1	0	22.67	22.72	22.56	23.5
20	64QAM	1	49	22.38	22.57	22.32	
20	64QAM	1	99	22.58	22.49	22.35	
20	64QAM	50	0	21.46	21.51	21.32	22.5
20	64QAM	50	24	21.42	21.46	21.35	
20	64QAM	50	50	21.41	21.44	21.30	
20	64QAM	100	0	21.42	21.47	21.31	20.5
20	256QAM	1	0	19.28	19.40	19.38	
20	256QAM	1	49	19.02	19.11	19.08	
20	256QAM	1	99	19.04	19.14	19.07	20.5
20	256QAM	50	0	18.86	19.10	19.02	
20	256QAM	50	24	18.86	18.99	18.94	
20	256QAM	50	50	18.87	18.98	18.80	Tune-up limit (dBm)
20	256QAM	100	0	18.92	19.07	18.99	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.31	23.36	23.28	23.5
15	QPSK	1	37	23.29	23.29	23.03	
15	QPSK	1	74	23.13	23.18	23.05	
15	QPSK	36	0	23.33	23.35	23.29	23.5
15	QPSK	36	20	23.35	23.42	23.05	
15	QPSK	36	39	23.34	23.28	23.18	
15	QPSK	75	0	23.29	23.26	23.18	23.5
15	16QAM	1	0	23.31	23.17	23.34	
15	16QAM	1	37	23.24	23.12	23.17	
15	16QAM	1	74	23.12	23.35	23.23	23.5
15	16QAM	36	0	22.30	22.30	22.27	
15	16QAM	36	20	22.35	22.43	22.17	
15	16QAM	36	39	22.21	22.27	22.25	23.5
15	16QAM	75	0	22.26	22.35	22.27	
15	64QAM	1	0	22.67	22.58	22.40	
15	64QAM	1	37	22.32	22.44	22.16	23.5
15	64QAM	1	74	22.41	22.49	22.32	
15	64QAM	36	0	21.45	21.50	21.15	
15	64QAM	36	20	21.41	21.31	21.24	22.5
15	64QAM	36	39	21.21	21.31	21.22	
15	64QAM	75	0	21.27	21.45	21.25	
15	256QAM	1	0	19.17	19.26	19.35	20.5
15	256QAM	1	37	18.97	19.08	19.02	
15	256QAM	1	74	18.86	18.98	19.07	
15	256QAM	36	0	18.83	18.97	18.99	20.5
15	256QAM	36	20	18.73	18.89	18.90	
15	256QAM	36	39	18.84	18.78	18.65	
15	256QAM	75	0	18.84	18.97	18.82	Tune-up limit (dBm)
Channel				26090	26340	26640	
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.31	23.39	23.37	23.5
10	QPSK	1	25	23.29	23.21	23.08	
10	QPSK	1	49	23.16	23.22	23.04	
10	QPSK	25	0	23.45	23.26	23.25	23.5
10	QPSK	25	12	23.34	23.36	23.25	
10	QPSK	25	25	23.26	23.23	23.06	
10	QPSK	50	0	23.40	23.24	23.10	23.5
10	16QAM	1	0	23.33	23.17	23.36	
10	16QAM	1	25	23.14	23.18	23.23	
10	16QAM	1	49	23.25	23.47	23.20	



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10	16QAM	25	0	22.26	22.42	22.15	23.5
10	16QAM	25	12	22.33	22.34	22.22	
10	16QAM	25	25	22.16	22.18	22.22	
10	16QAM	50	0	22.24	22.25	22.18	
10	64QAM	1	0	22.53	22.53	22.49	23.5
10	64QAM	1	25	22.36	22.42	22.30	
10	64QAM	1	49	22.50	22.46	22.33	
10	64QAM	25	0	21.39	21.41	21.22	22.5
10	64QAM	25	12	21.22	21.33	21.20	
10	64QAM	25	25	21.24	21.39	21.30	
10	64QAM	50	0	21.24	21.37	21.22	
10	256QAM	1	0	19.27	19.39	19.23	20.5
10	256QAM	1	25	18.83	19.02	18.90	
10	256QAM	1	49	18.97	18.99	19.06	
10	256QAM	25	0	18.66	18.94	19.01	20.5
10	256QAM	25	12	18.73	18.79	18.94	
10	256QAM	25	25	18.80	18.90	18.60	
10	256QAM	50	0	18.89	18.87	18.89	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.41	23.28	23.34	23.5
5	QPSK	1	12	23.14	23.32	23.03	
5	QPSK	1	24	23.16	23.22	23.05	
5	QPSK	12	0	23.25	23.33	23.23	23.5
5	QPSK	12	7	23.39	23.41	23.07	
5	QPSK	12	13	23.20	23.22	23.20	
5	QPSK	25	0	23.20	23.33	23.21	
5	16QAM	1	0	23.39	23.16	23.41	23.5
5	16QAM	1	12	23.12	23.09	23.30	
5	16QAM	1	24	23.12	23.34	23.32	
5	16QAM	12	0	22.35	22.26	22.27	23.5
5	16QAM	12	7	22.22	22.40	22.27	
5	16QAM	12	13	22.16	22.16	22.18	
5	16QAM	25	0	22.18	22.23	22.25	
5	64QAM	1	0	22.47	22.56	22.42	23.5
5	64QAM	1	12	22.37	22.57	22.21	
5	64QAM	1	24	22.58	22.37	22.30	
5	64QAM	12	0	21.43	21.40	21.26	22.5
5	64QAM	12	7	21.42	21.32	21.15	
5	64QAM	12	13	21.39	21.42	21.23	
5	64QAM	25	0	21.35	21.33	21.22	
5	256QAM	1	0	19.11	19.29	19.35	20.5
5	256QAM	1	12	18.91	18.92	18.88	
5	256QAM	1	24	18.85	19.08	19.01	
5	256QAM	12	0	18.78	18.99	19.00	20.5
5	256QAM	12	7	18.69	18.88	18.90	
5	256QAM	12	13	18.86	18.79	18.74	
5	256QAM	25	0	18.74	19.02	18.81	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.26	23.39	23.30	23.5
3	QPSK	1	8	23.13	23.33	23.16	
3	QPSK	1	14	23.26	23.31	23.14	
3	QPSK	8	0	23.43	23.31	23.17	23.5
3	QPSK	8	4	23.20	23.24	23.20	
3	QPSK	8	7	23.30	23.33	23.13	



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3	QPSK	15	0	23.40	23.26	23.08	
3	16QAM	1	0	23.29	23.27	23.22	23.5
3	16QAM	1	8	23.28	23.16	23.13	
3	16QAM	1	14	23.15	23.43	23.22	
3	16QAM	8	0	22.22	22.29	22.14	23.5
3	16QAM	8	4	22.32	22.28	22.18	
3	16QAM	8	7	22.25	22.35	22.09	
3	16QAM	15	0	22.33	22.35	22.15	
3	64QAM	1	0	22.54	22.63	22.44	23.5
3	64QAM	1	8	22.31	22.39	22.23	
3	64QAM	1	14	22.57	22.32	22.33	
3	64QAM	8	0	21.41	21.43	21.31	22.5
3	64QAM	8	4	21.24	21.30	21.22	
3	64QAM	8	7	21.30	21.30	21.17	
3	64QAM	15	0	21.39	21.47	21.20	
3	256QAM	1	0	19.09	19.27	19.25	20.5
3	256QAM	1	8	18.82	19.04	18.94	
3	256QAM	1	14	19.02	19.06	19.04	
3	256QAM	8	0	18.80	18.99	18.90	20.5
3	256QAM	8	4	18.84	18.98	18.83	
3	256QAM	8	7	18.86	18.85	18.64	
3	256QAM	15	0	18.76	18.91	18.94	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.11	23.21	23.22	23.5
1.4	QPSK	1	3	23.03	23.14	23.14	
1.4	QPSK	1	5	23.10	23.11	22.95	
1.4	QPSK	3	0	23.36	23.31	23.11	
1.4	QPSK	3	1	23.01	23.22	23.10	
1.4	QPSK	3	3	23.16	23.19	22.97	
1.4	QPSK	6	0	23.33	23.11	23.00	23.5
1.4	16QAM	1	0	23.27	23.10	23.03	23.5
1.4	16QAM	1	3	23.16	23.08	22.93	
1.4	16QAM	1	5	23.03	23.30	23.06	
1.4	16QAM	3	0	23.13	23.39	23.21	
1.4	16QAM	3	1	23.03	23.17	23.08	
1.4	16QAM	3	3	23.13	23.15	23.01	
1.4	16QAM	6	0	22.06	22.21	22.10	23.5
1.4	64QAM	1	0	22.06	22.16	21.95	23.5
1.4	64QAM	1	3	22.13	22.19	22.08	
1.4	64QAM	1	5	22.46	22.61	22.38	
1.4	64QAM	3	0	22.15	22.23	22.02	
1.4	64QAM	3	1	22.19	22.21	21.95	
1.4	64QAM	3	3	22.52	22.47	22.34	
1.4	64QAM	6	0	22.29	22.15	22.10	22.5
1.4	256QAM	1	0	19.01	19.21	19.20	20.5
1.4	256QAM	1	3	18.63	18.91	18.86	
1.4	256QAM	1	5	19.00	18.87	19.00	
1.4	256QAM	3	0	19.06	19.10	19.10	
1.4	256QAM	3	1	18.62	19.02	18.90	
1.4	256QAM	3	3	18.82	19.06	18.93	
1.4	256QAM	6	0	18.64	18.76	18.83	20.5



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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	18.49	18.51	18.32	19.2
20	QPSK	1	49	18.29	18.16	18.16	
20	QPSK	1	99	18.31	18.23	18.11	
20	QPSK	50	0	18.44	18.45	18.29	19.2
20	QPSK	50	24	18.36	18.37	18.28	
20	QPSK	50	50	18.41	18.30	18.20	
20	QPSK	100	0	18.34	18.36	18.24	
20	16QAM	1	0	18.79	18.81	18.69	19.2
20	16QAM	1	49	18.63	18.71	18.50	
20	16QAM	1	99	18.78	18.68	18.61	
20	16QAM	50	0	18.47	18.37	18.27	19.2
20	16QAM	50	24	18.45	18.32	18.27	
20	16QAM	50	50	18.42	18.32	18.17	
20	16QAM	100	0	18.43	18.32	18.25	
20	64QAM	1	0	18.68	18.64	18.67	19.2
20	64QAM	1	49	18.59	18.29	18.39	
20	64QAM	1	99	18.58	18.29	18.32	
20	64QAM	50	0	18.54	18.42	18.35	19.2
20	64QAM	50	24	18.44	18.34	18.29	
20	64QAM	50	50	18.41	18.34	18.24	
20	64QAM	100	0	18.45	18.34	18.27	
20	256QAM	1	0	18.32	18.13	17.96	19.2
20	256QAM	1	49	17.92	17.75	17.64	
20	256QAM	1	99	17.94	17.91	17.69	
20	256QAM	50	0	17.95	17.80	17.73	19.2
20	256QAM	50	24	17.88	17.79	17.62	
20	256QAM	50	50	17.87	17.67	17.68	
20	256QAM	100	0	17.96	17.89	17.61	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.38	18.42	18.27	
15	QPSK	1	37	18.23	18.12	18.14	
15	QPSK	1	74	18.30	18.10	18.11	
15	QPSK	36	0	18.34	18.41	18.15	19.2
15	QPSK	36	20	18.17	18.21	18.13	
15	QPSK	36	39	18.31	18.16	18.02	
15	QPSK	75	0	18.27	18.27	18.15	
15	16QAM	1	0	18.68	18.75	18.51	19.2
15	16QAM	1	37	18.48	18.66	18.31	
15	16QAM	1	74	18.76	18.61	18.57	
15	16QAM	36	0	18.30	18.35	18.19	19.2
15	16QAM	36	20	18.37	18.22	18.15	
15	16QAM	36	39	18.37	18.25	18.16	
15	16QAM	75	0	18.34	18.30	18.21	
15	64QAM	1	0	18.59	18.62	18.49	19.2
15	64QAM	1	37	18.54	18.29	18.30	
15	64QAM	1	74	18.53	18.18	18.24	
15	64QAM	36	0	18.47	18.42	18.21	19.2
15	64QAM	36	20	18.41	18.20	18.12	
15	64QAM	36	39	18.21	18.31	18.11	



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15	64QAM	75	0	18.31	18.21	18.11	
15	256QAM	1	0	18.13	18.07	17.88	19.2
15	256QAM	1	37	17.72	17.69	17.59	
15	256QAM	1	74	17.80	17.86	17.55	
15	256QAM	36	0	17.82	17.75	17.65	19.2
15	256QAM	36	20	17.71	17.61	17.42	
15	256QAM	36	39	17.71	17.59	17.60	
15	256QAM	75	0	17.78	17.72	17.44	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	18.31	18.42	18.24	19.2
10	QPSK	1	25	18.19	18.12	18.09	
10	QPSK	1	49	18.23	18.20	18.04	
10	QPSK	25	0	18.33	18.39	18.11	19.2
10	QPSK	25	12	18.23	18.17	18.24	
10	QPSK	25	25	18.37	18.22	18.08	
10	QPSK	50	0	18.18	18.17	18.23	
10	16QAM	1	0	18.69	18.68	18.61	19.2
10	16QAM	1	25	18.60	18.71	18.41	
10	16QAM	1	49	18.63	18.48	18.59	
10	16QAM	25	0	18.44	18.28	18.25	19.2
10	16QAM	25	12	18.42	18.13	18.18	
10	16QAM	25	25	18.28	18.30	18.15	
10	16QAM	50	0	18.24	18.22	18.10	
10	64QAM	1	0	18.59	18.46	18.67	19.2
10	64QAM	1	25	18.39	18.13	18.21	
10	64QAM	1	49	18.47	18.11	18.16	
10	64QAM	25	0	18.48	18.23	18.28	19.2
10	64QAM	25	12	18.38	18.19	18.22	
10	64QAM	25	25	18.24	18.32	18.10	
10	64QAM	50	0	18.25	18.20	18.13	
10	256QAM	1	0	18.28	18.07	17.84	19.2
10	256QAM	1	25	17.88	17.66	17.62	
10	256QAM	1	49	17.93	17.86	17.50	
10	256QAM	25	0	17.77	17.62	17.61	19.2
10	256QAM	25	12	17.82	17.59	17.59	
10	256QAM	25	25	17.74	17.54	17.67	
10	256QAM	50	0	17.85	17.80	17.54	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	18.41	18.40	18.17	19.2
5	QPSK	1	12	18.24	18.06	18.05	
5	QPSK	1	24	18.27	18.08	18.03	
5	QPSK	12	0	18.43	18.35	18.15	19.2
5	QPSK	12	7	18.34	18.23	18.24	
5	QPSK	12	13	18.28	18.21	18.14	
5	QPSK	25	0	18.23	18.27	18.09	
5	16QAM	1	0	18.79	18.65	18.67	19.2
5	16QAM	1	12	18.63	18.64	18.36	
5	16QAM	1	24	18.61	18.68	18.41	
5	16QAM	12	0	18.37	18.24	18.23	19.2
5	16QAM	12	7	18.30	18.20	18.22	
5	16QAM	12	13	18.28	18.12	17.97	
5	16QAM	25	0	18.40	18.30	18.05	
5	64QAM	1	0	18.68	18.44	18.61	19.2
5	64QAM	1	12	18.48	18.15	18.29	



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5	64QAM	1	24	18.53	18.17	18.22	19.2
5	64QAM	12	0	18.44	18.24	18.19	
5	64QAM	12	7	18.30	18.15	18.20	
5	64QAM	12	13	18.26	18.20	18.24	
5	64QAM	25	0	18.41	18.23	18.11	
5	256QAM	1	0	18.21	18.12	17.94	19.2
5	256QAM	1	12	17.78	17.63	17.51	
5	256QAM	1	24	17.82	17.80	17.54	
5	256QAM	12	0	17.93	17.63	17.69	19.2
5	256QAM	12	7	17.78	17.74	17.46	
5	256QAM	12	13	17.76	17.59	17.63	
5	256QAM	25	0	17.78	17.82	17.54	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	18.37	18.47	18.15	19.2
3	QPSK	1	8	18.15	18.16	18.12	
3	QPSK	1	14	18.21	18.12	17.93	
3	QPSK	8	0	18.33	18.34	18.15	19.2
3	QPSK	8	4	18.31	18.29	18.08	
3	QPSK	8	7	18.35	18.22	18.18	
3	QPSK	15	0	18.22	18.24	18.11	
3	16QAM	1	0	18.66	18.80	18.66	19.2
3	16QAM	1	8	18.56	18.66	18.35	
3	16QAM	1	14	18.72	18.65	18.49	
3	16QAM	8	0	18.40	18.26	18.26	19.2
3	16QAM	8	4	18.41	18.19	18.16	
3	16QAM	8	7	18.38	18.26	18.16	
3	16QAM	15	0	18.25	18.25	18.15	
3	64QAM	1	0	18.62	18.50	18.52	19.2
3	64QAM	1	8	18.50	18.09	18.19	
3	64QAM	1	14	18.43	18.16	18.15	
3	64QAM	8	0	18.53	18.24	18.34	19.2
3	64QAM	8	4	18.36	18.25	18.16	
3	64QAM	8	7	18.39	18.18	18.19	
3	64QAM	15	0	18.36	18.25	18.14	
3	256QAM	1	0	18.26	17.98	17.76	19.2
3	256QAM	1	8	17.88	17.66	17.48	
3	256QAM	1	14	17.79	17.78	17.68	
3	256QAM	8	0	17.81	17.65	17.70	19.2
3	256QAM	8	4	17.78	17.62	17.47	
3	256QAM	8	7	17.75	17.49	17.60	
3	256QAM	15	0	17.93	17.88	17.53	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	18.35	18.42	18.26	19.2
1.4	QPSK	1	3	18.29	18.10	18.05	
1.4	QPSK	1	5	18.20	18.21	18.11	
1.4	QPSK	3	0	18.30	18.31	18.28	
1.4	QPSK	3	1	18.29	18.24	18.14	
1.4	QPSK	3	3	18.23	18.29	18.02	
1.4	QPSK	6	0	18.22	18.34	18.17	19.2
1.4	16QAM	1	0	18.66	18.66	18.69	19.2
1.4	16QAM	1	3	18.61	18.69	18.32	
1.4	16QAM	1	5	18.58	18.67	18.56	
1.4	16QAM	3	0	18.34	18.33	18.26	
1.4	16QAM	3	1	18.35	18.26	18.13	



1.4	16QAM	3	3	18.35	18.17	18.07	
1.4	16QAM	6	0	18.43	18.13	18.22	19.2
1.4	64QAM	1	0	18.59	18.50	18.62	19.2
1.4	64QAM	1	3	18.49	18.20	18.34	
1.4	64QAM	1	5	18.50	18.11	18.19	
1.4	64QAM	3	0	18.40	18.24	18.29	
1.4	64QAM	3	1	18.29	18.24	18.28	
1.4	64QAM	3	3	18.36	18.14	18.22	
1.4	64QAM	6	0	18.41	18.16	18.09	19.2
1.4	256QAM	1	0	18.39	18.25	18.29	19.2
1.4	256QAM	1	3	18.48	18.13	18.30	
1.4	256QAM	1	5	18.41	18.41	18.35	
1.4	256QAM	3	0	18.42	18.18	18.29	
1.4	256QAM	3	1	18.40	18.15	18.07	
1.4	256QAM	3	3	18.25	18.17	18.14	
1.4	256QAM	6	0	18.20	17.93	17.93	19.2

FDD LTE Band 26_TX 0 (Index4)

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				26765	26865	26965	25.5
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.82	24.76	24.76	
15	QPSK	1	37	24.45	24.37	24.47	24.5
15	QPSK	1	74	24.46	24.48	24.38	
15	QPSK	36	0	23.63	23.62	23.61	
15	QPSK	36	20	23.61	23.60	23.59	24.5
15	QPSK	36	39	23.59	23.56	23.56	
15	QPSK	75	0	23.61	23.57	23.59	
15	16QAM	1	0	23.91	23.86	23.95	24.5
15	16QAM	1	37	23.89	23.91	23.90	
15	16QAM	1	74	23.86	23.95	23.82	
15	16QAM	36	0	22.66	22.60	22.64	23.5
15	16QAM	36	20	22.63	22.60	22.60	
15	16QAM	36	39	22.59	22.59	22.56	
15	16QAM	75	0	22.60	22.57	22.58	23.5
15	64QAM	1	0	22.77	22.87	22.85	
15	64QAM	1	37	22.81	22.81	22.80	
15	64QAM	1	74	22.69	22.75	22.54	22.5
15	64QAM	36	0	21.65	21.59	21.03	
15	64QAM	36	20	21.63	21.57	21.06	
15	64QAM	36	39	21.57	21.56	21.08	20.5
15	64QAM	75	0	21.58	21.51	21.04	
15	256QAM	1	0	19.66	19.65	19.57	
15	256QAM	1	37	19.68	19.69	19.57	19.5
15	256QAM	1	74	19.58	19.63	19.49	
15	256QAM	36	0	18.51	18.53	18.54	
15	256QAM	36	20	18.51	18.52	18.47	25.5
15	256QAM	36	39	18.52	18.54	18.48	
15	256QAM	75	0	18.58	18.58	18.54	
Channel				26740	26865	26990	25.5
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.63	24.62	24.56	25.5
10	QPSK	1	25	24.51	24.49	24.49	
10	QPSK	1	49	24.54	24.55	24.48	



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10	QPSK	25	0	23.64	23.72	23.70	24.5
10	QPSK	25	12	23.60	23.68	23.68	
10	QPSK	25	25	23.64	23.66	23.65	
10	QPSK	50	0	23.65	23.69	23.69	24.5
10	16QAM	1	0	23.81	23.86	23.97	
10	16QAM	1	25	23.98	23.80	23.78	
10	16QAM	1	49	23.89	23.84	23.65	23.5
10	16QAM	25	0	22.74	22.72	22.75	
10	16QAM	25	12	22.72	22.73	22.70	
10	16QAM	25	25	22.69	22.73	22.69	23.5
10	16QAM	50	0	22.70	22.68	22.67	
10	64QAM	1	0	22.81	22.81	22.88	
10	64QAM	1	25	22.87	22.78	22.81	23.5
10	64QAM	1	49	22.83	22.87	22.70	
10	64QAM	25	0	21.72	21.69	21.68	
10	64QAM	25	12	21.71	21.67	21.64	22.5
10	64QAM	25	25	21.66	21.66	21.62	
10	64QAM	50	0	21.73	21.68	21.68	
10	256QAM	1	0	19.81	19.92	19.78	20.5
10	256QAM	1	25	19.43	19.69	19.74	
10	256QAM	1	49	19.70	19.77	19.69	
10	256QAM	25	0	18.68	19.02	18.80	19.5
10	256QAM	25	12	18.64	18.65	18.65	
10	256QAM	25	25	18.58	18.65	18.63	
10	256QAM	50	0	18.75	18.77	18.69	Tune-up limit (dBm)
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.65	24.69	24.72	25.5
5	QPSK	1	12	24.62	24.65	24.64	
5	QPSK	1	24	24.64	24.71	24.69	
5	QPSK	12	0	23.65	23.72	23.72	24.5
5	QPSK	12	7	23.67	23.71	23.74	
5	QPSK	12	13	23.64	23.71	23.69	
5	QPSK	25	0	23.61	23.68	23.68	24.5
5	16QAM	1	0	23.81	24.01	23.99	
5	16QAM	1	12	23.85	23.99	23.86	
5	16QAM	1	24	23.95	24.00	23.86	23.5
5	16QAM	12	0	22.68	22.75	22.74	
5	16QAM	12	7	22.76	22.74	22.78	
5	16QAM	12	13	22.75	22.75	22.73	23.5
5	16QAM	25	0	22.68	22.69	22.68	
5	64QAM	1	0	22.76	22.87	22.91	
5	64QAM	1	12	22.72	22.77	22.74	23.5
5	64QAM	1	24	22.85	22.81	22.71	
5	64QAM	12	0	21.70	21.72	21.77	
5	64QAM	12	7	21.78	21.77	21.77	22.5
5	64QAM	12	13	21.80	21.80	21.73	
5	64QAM	25	0	21.68	21.68	21.66	
5	256QAM	1	0	19.71	19.77	19.70	20.5
5	256QAM	1	12	19.55	19.65	19.60	
5	256QAM	1	24	19.67	19.61	19.63	
5	256QAM	12	0	18.76	18.72	18.76	19.5
5	256QAM	12	7	18.61	18.54	18.65	
5	256QAM	12	13	18.62	18.55	18.52	
5	256QAM	25	0	18.68	18.57	18.59	Channel
Channel				26705	26865	27025	



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Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.69	24.68	24.44	25.5
3	QPSK	1	8	24.64	24.59	24.49	
3	QPSK	1	14	24.71	24.69	24.59	
3	QPSK	8	0	23.62	23.65	23.63	24.5
3	QPSK	8	4	23.60	23.62	23.58	
3	QPSK	8	7	23.63	23.64	23.66	
3	QPSK	15	0	23.58	23.61	23.61	
3	16QAM	1	0	23.77	23.86	23.88	24.5
3	16QAM	1	8	23.71	23.73	23.64	
3	16QAM	1	14	23.89	23.82	23.88	
3	16QAM	8	0	22.63	22.65	22.67	23.5
3	16QAM	8	4	22.67	22.66	22.66	
3	16QAM	8	7	22.72	22.68	22.64	
3	16QAM	15	0	22.62	22.62	22.59	
3	64QAM	1	0	22.81	22.70	22.88	23.5
3	64QAM	1	8	22.80	22.71	22.74	
3	64QAM	1	14	22.88	22.81	22.74	
3	64QAM	8	0	21.65	21.66	21.59	22.5
3	64QAM	8	4	21.68	21.61	21.57	
3	64QAM	8	7	21.67	21.67	21.59	
3	64QAM	15	0	21.62	21.61	21.59	
3	256QAM	1	0	19.62	19.58	19.72	20.5
3	256QAM	1	8	19.64	19.54	19.50	
3	256QAM	1	14	19.79	19.72	19.62	
3	256QAM	8	0	18.81	18.72	18.64	19.5
3	256QAM	8	4	18.73	18.68	18.59	
3	256QAM	8	7	18.76	18.73	18.55	
3	256QAM	15	0	18.75	18.67	18.55	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.63	23.59	23.51	25.5
1.4	QPSK	1	3	23.61	23.63	23.56	
1.4	QPSK	1	5	23.68	23.66	23.60	
1.4	QPSK	3	0	23.55	23.50	23.50	
1.4	QPSK	3	1	23.67	23.63	23.52	
1.4	QPSK	3	3	23.65	23.66	23.60	24.5
1.4	QPSK	6	0	22.63	22.61	22.60	
1.4	16QAM	1	0	22.78	22.70	22.54	24.5
1.4	16QAM	1	3	22.80	22.74	22.64	
1.4	16QAM	1	5	22.94	22.78	22.77	
1.4	16QAM	3	0	22.60	22.64	22.65	
1.4	16QAM	3	1	22.80	22.73	22.69	
1.4	16QAM	3	3	22.74	22.72	22.69	23.5
1.4	16QAM	6	0	21.67	21.64	21.61	
1.4	64QAM	1	0	21.72	21.75	21.67	23.5
1.4	64QAM	1	3	21.75	21.63	21.64	
1.4	64QAM	1	5	21.79	21.77	21.60	
1.4	64QAM	3	0	21.72	21.68	21.51	
1.4	64QAM	3	1	21.88	21.81	21.79	
1.4	64QAM	3	3	21.78	21.69	21.67	22.5
1.4	64QAM	6	0	20.58	20.67	20.50	
1.4	256QAM	1	0	18.58	18.72	18.67	20.5
1.4	256QAM	1	3	18.62	18.75	18.69	
1.4	256QAM	1	5	18.72	19.71	18.72	
1.4	256QAM	3	0	18.72	18.77	18.76	



1.4	256QAM	3	1	18.77	18.75	18.77	
1.4	256QAM	3	3	18.85	18.77	18.79	
1.4	256QAM	6	0	17.74	17.80	17.77	

FDD LTE Band 26_TX 1 (Index4)

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				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.62	24.54	24.47	25.5
15	QPSK	1	37	24.49	24.48	24.47	
15	QPSK	1	74	24.59	24.51	24.41	
15	QPSK	36	0	23.68	23.69	23.63	24.5
15	QPSK	36	20	23.67	23.66	23.60	
15	QPSK	36	39	23.65	23.64	23.57	
15	QPSK	75	0	23.69	23.64	23.60	24.5
15	16QAM	1	0	23.87	23.92	23.97	
15	16QAM	1	37	23.83	23.96	23.76	
15	16QAM	1	74	23.83	23.74	23.63	23.5
15	16QAM	36	0	22.74	22.70	22.62	
15	16QAM	36	20	22.70	22.66	22.59	
15	16QAM	36	39	22.70	22.67	22.56	23.5
15	16QAM	75	0	22.75	22.66	22.60	
15	64QAM	1	0	22.94	22.82	22.78	
15	64QAM	1	37	22.85	22.77	22.70	23.5
15	64QAM	1	74	22.82	22.70	22.61	
15	64QAM	36	0	21.79	21.70	21.62	
15	64QAM	36	20	21.74	21.68	21.57	22.5
15	64QAM	36	39	21.73	21.65	21.56	
15	64QAM	75	0	21.73	21.62	21.54	
15	256QAM	1	0	19.75	19.34	19.61	20.5
15	256QAM	1	37	19.63	19.24	19.47	
15	256QAM	1	74	19.69	19.35	19.52	
15	256QAM	36	0	18.91	18.51	18.70	19.5
15	256QAM	36	20	18.79	18.42	18.66	
15	256QAM	36	39	18.83	18.42	18.68	
15	256QAM	75	0	19.03	18.64	18.86	19.5
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.57	24.49	24.50	25.5
10	QPSK	1	25	24.42	24.45	24.44	
10	QPSK	1	49	24.51	24.51	24.38	
10	QPSK	25	0	23.64	23.70	23.65	24.5
10	QPSK	25	12	23.65	23.64	23.62	
10	QPSK	25	25	23.66	23.57	23.54	
10	QPSK	50	0	23.65	23.65	23.59	24.5
10	16QAM	1	0	23.86	23.95	23.99	
10	16QAM	1	25	23.82	23.92	23.70	
10	16QAM	1	49	23.82	23.70	23.64	23.5
10	16QAM	25	0	22.77	22.66	22.65	
10	16QAM	25	12	22.70	22.66	22.58	
10	16QAM	25	25	22.73	22.65	22.58	23.5
10	16QAM	50	0	22.76	22.62	22.58	
10	64QAM	1	0	22.96	22.78	22.74	
10	64QAM	1	25	22.86	22.80	22.69	23.5



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10	64QAM	1	49	22.80	22.73	22.60	
10	64QAM	25	0	21.77	21.70	21.61	22.5
10	64QAM	25	12	21.75	21.64	21.60	
10	64QAM	25	25	21.68	21.67	21.49	
10	64QAM	50	0	21.66	21.62	21.57	
10	256QAM	1	0	20.11	19.79	19.69	20.5
10	256QAM	1	25	19.89	19.71	19.60	
10	256QAM	1	49	19.96	19.83	19.61	
10	256QAM	25	0	19.02	18.89	19.01	19.5
10	256QAM	25	12	18.95	18.68	18.49	
10	256QAM	25	25	18.89	18.67	18.43	
10	256QAM	50	0	18.92	18.83	18.65	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.58	24.41	24.52	25.5
5	QPSK	1	12	24.53	24.58	24.22	
5	QPSK	1	24	24.58	24.43	24.47	
5	QPSK	12	0	23.93	23.79	23.61	24.5
5	QPSK	12	7	23.95	23.76	23.61	
5	QPSK	12	13	23.93	23.77	23.58	
5	QPSK	25	0	23.93	23.72	23.58	
5	16QAM	1	0	24.21	24.12	23.90	24.5
5	16QAM	1	12	24.17	24.04	23.79	
5	16QAM	1	24	24.17	24.15	23.82	
5	16QAM	12	0	22.97	22.85	22.68	23.5
5	16QAM	12	7	22.98	22.86	22.67	
5	16QAM	12	13	22.97	22.84	22.64	
5	16QAM	25	0	22.92	22.74	22.58	
5	64QAM	1	0	23.06	23.01	22.78	23.5
5	64QAM	1	12	22.89	22.91	22.75	
5	64QAM	1	24	22.92	22.94	22.74	
5	64QAM	12	0	21.97	21.85	21.63	22.5
5	64QAM	12	7	21.96	21.84	21.66	
5	64QAM	12	13	21.92	21.80	21.63	
5	64QAM	25	0	21.88	21.69	21.52	
5	256QAM	1	0	19.86	19.87	19.51	20.5
5	256QAM	1	12	19.89	19.68	19.54	
5	256QAM	1	24	19.97	19.64	19.57	
5	256QAM	12	0	19.02	18.89	18.62	19.5
5	256QAM	12	7	18.97	18.79	18.66	
5	256QAM	12	13	19.01	18.75	18.64	
5	256QAM	25	0	18.97	18.74	18.61	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.56	24.41	24.55	25.5
3	QPSK	1	8	24.48	24.51	24.23	
3	QPSK	1	14	24.53	24.44	24.40	
3	QPSK	8	0	23.87	23.73	23.55	24.5
3	QPSK	8	4	23.89	23.77	23.57	
3	QPSK	8	7	23.87	23.76	23.57	
3	QPSK	15	0	23.88	23.69	23.55	
3	16QAM	1	0	24.21	24.07	23.89	24.5
3	16QAM	1	8	24.19	24.00	23.81	
3	16QAM	1	14	24.15	24.15	23.81	
3	16QAM	8	0	22.95	22.79	22.71	23.5
3	16QAM	8	4	22.95	22.83	22.67	



3	16QAM	8	7	22.96	22.79	22.59	
3	16QAM	15	0	22.88	22.70	22.57	
3	64QAM	1	0	23.01	22.98	22.76	
3	64QAM	1	8	22.92	22.94	22.71	23.5
3	64QAM	1	14	22.88	22.95	22.72	
3	64QAM	8	0	21.92	21.84	21.59	
3	64QAM	8	4	21.99	21.83	21.66	22.5
3	64QAM	8	7	21.87	21.75	21.63	
3	64QAM	15	0	21.88	21.69	21.45	
3	256QAM	1	0	20.09	19.65	19.76	20.5
3	256QAM	1	8	19.97	19.86	19.74	
3	256QAM	1	14	20.00	19.89	19.88	
3	256QAM	8	0	19.18	18.89	18.70	19.5
3	256QAM	8	4	19.03	18.84	18.76	
3	256QAM	8	7	19.09	18.80	18.46	
3	256QAM	15	0	19.04	18.85	18.56	
Channel				26697	26865	27033	
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	24.46	24.60	24.59	25.5
1.4	QPSK	1	3	24.46	24.01	24.51	
1.4	QPSK	1	5	24.58	24.60	24.50	
1.4	QPSK	3	0	23.60	23.61	23.60	
1.4	QPSK	3	1	23.55	23.59	23.57	
1.4	QPSK	3	3	23.50	23.63	23.60	
1.4	QPSK	6	0	23.46	23.74	23.59	24.5
1.4	16QAM	1	0	23.88	23.88	23.89	24.5
1.4	16QAM	1	3	23.66	23.84	23.62	
1.4	16QAM	1	5	23.73	23.90	23.87	
1.4	16QAM	3	0	22.59	22.69	22.56	
1.4	16QAM	3	1	22.55	22.60	22.69	
1.4	16QAM	3	3	22.66	22.68	22.63	
1.4	16QAM	6	0	22.60	22.73	22.70	23.5
1.4	64QAM	1	0	22.88	22.76	22.65	23.5
1.4	64QAM	1	3	22.67	22.82	22.74	
1.4	64QAM	1	5	22.80	22.78	22.76	
1.4	64QAM	3	0	21.59	21.73	21.62	
1.4	64QAM	3	1	21.67	21.69	21.65	
1.4	64QAM	3	3	21.57	21.67	21.74	
1.4	64QAM	6	0	21.65	21.72	21.63	22.5
1.4	256QAM	1	0	20.07	19.66	19.73	20.5
1.4	256QAM	1	3	19.90	19.87	19.68	
1.4	256QAM	1	5	20.01	19.87	19.87	
1.4	256QAM	3	0	19.13	18.86	18.68	
1.4	256QAM	3	1	19.02	18.79	18.70	
1.4	256QAM	3	3	19.02	18.76	18.59	
1.4	256QAM	6	0	19.07	18.80	18.57	19.5

FDD LTE Band 30_TX 0 (Index4)

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				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		20.78		20.9
10	QPSK	1	25		20.68		
10	QPSK	1	49		20.52		



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10	QPSK	25	0		20.73		20.9
10	QPSK	25	12		20.64		
10	QPSK	25	25		20.62		
10	QPSK	50	0		20.64		
10	16QAM	1	0		20.74		20.9
10	16QAM	1	25		20.77		
10	16QAM	1	49		20.69		
10	16QAM	25	0		20.63		20.9
10	16QAM	25	12		20.63		
10	16QAM	25	25		20.59		
10	16QAM	50	0		20.58		
10	64QAM	1	0		20.30		20.9
10	64QAM	1	25		20.40		
10	64QAM	1	49		20.21		
10	64QAM	25	0		20.12		20.9
10	64QAM	25	12		20.18		
10	64QAM	25	25		20.17		
10	64QAM	50	0		20.10		
10	256QAM	1	0		20.06		20.5
10	256QAM	1	25		19.67		
10	256QAM	1	49		19.66		
10	256QAM	25	0		19.73		20.5
10	256QAM	25	12		19.93		
10	256QAM	25	25		19.77		
10	256QAM	50	0		19.85		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	20.63	20.63	20.71	20.9
5	QPSK	1	12	20.61	20.52	20.64	
5	QPSK	1	24	20.33	20.41	20.49	
5	QPSK	12	0	20.70	20.73	20.56	20.9
5	QPSK	12	7	20.44	20.64	20.49	
5	QPSK	12	13	20.44	20.47	20.59	
5	QPSK	25	0	20.62	20.58	20.44	
5	16QAM	1	0	20.71	20.70	20.72	20.9
5	16QAM	1	12	20.69	20.62	20.59	
5	16QAM	1	24	20.51	20.50	20.57	
5	16QAM	12	0	20.51	20.60	20.61	20.9
5	16QAM	12	7	20.47	20.52	20.44	
5	16QAM	12	13	20.49	20.57	20.51	
5	16QAM	25	0	20.54	20.52	20.46	
5	64QAM	1	0	20.29	20.13	20.27	20.9
5	64QAM	1	12	20.22	20.39	20.22	
5	64QAM	1	24	20.09	20.14	20.18	
5	64QAM	12	0	20.03	19.95	20.00	20.9
5	64QAM	12	7	19.97	19.90	19.88	
5	64QAM	12	13	19.95	20.06	19.99	
5	64QAM	25	0	20.05	20.05	20.04	
5	256QAM	1	0	19.84	19.82	20.07	20.5
5	256QAM	1	12	19.40	19.59	19.44	
5	256QAM	1	24	19.37	19.61	19.46	
5	256QAM	12	0	19.57	19.60	19.62	20.5
5	256QAM	12	7	19.81	19.92	19.66	
5	256QAM	12	13	19.56	19.64	19.76	
5	256QAM	25	0	19.90	19.63	19.76	



FDD LTE Band 30_TX 1 (Index4)

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				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		19.01		19.2
10	QPSK	1	25		18.82		
10	QPSK	1	49		18.67		
10	QPSK	25	0		18.86		19.2
10	QPSK	25	12		18.87		
10	QPSK	25	25		18.85		
10	QPSK	50	0		18.86		19.2
10	16QAM	1	0		18.73		
10	16QAM	1	25		18.62		
10	16QAM	1	49		18.82		19.2
10	16QAM	25	0		18.88		
10	16QAM	25	12		18.84		
10	16QAM	25	25		18.83		19.2
10	16QAM	50	0		18.84		
10	64QAM	1	0		18.73		
10	64QAM	1	25		18.99		
10	64QAM	1	49		18.91		
10	64QAM	25	0		18.84		19.2
10	64QAM	25	12		18.84		
10	64QAM	25	25		18.83		
10	64QAM	50	0		18.85		19.2
10	256QAM	1	0		18.73		
10	256QAM	1	25		18.77		
10	256QAM	1	49		18.85		19.2
10	256QAM	25	0		18.73		
10	256QAM	25	12		18.52		
10	256QAM	25	25		18.49		19.2
10	256QAM	50	0		18.63		
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	18.93	18.91	18.85	19.2
5	QPSK	1	12	18.64	18.71	18.72	
5	QPSK	1	24	18.58	18.60	18.51	
5	QPSK	12	0	18.77	18.73	18.74	19.2
5	QPSK	12	7	18.70	18.80	18.79	
5	QPSK	12	13	18.68	18.85	18.67	
5	QPSK	25	0	18.71	18.72	18.70	19.2
5	16QAM	1	0	18.57	18.67	18.63	
5	16QAM	1	12	18.55	18.54	18.48	
5	16QAM	1	24	18.69	18.82	18.74	19.2
5	16QAM	12	0	18.77	18.83	18.69	
5	16QAM	12	7	18.72	18.67	18.82	
5	16QAM	12	13	18.68	18.75	18.75	19.2
5	16QAM	25	0	18.72	18.72	18.75	
5	64QAM	1	0	18.54	18.61	18.56	
5	64QAM	1	12	18.89	18.90	18.86	
5	64QAM	1	24	18.72	18.88	18.88	
5	64QAM	12	0	18.72	18.70	18.66	19.2
5	64QAM	12	7	18.73	18.70	18.84	
5	64QAM	12	13	18.68	18.83	18.68	



5	64QAM	25	0	18.82	18.74	18.66	
5	256QAM	1	0	18.68	18.70	18.60	19.2
5	256QAM	1	12	18.64	18.65	18.64	
5	256QAM	1	24	18.75	18.71	18.80	
5	256QAM	12	0	18.62	18.65	18.69	19.2
5	256QAM	12	7	18.37	18.41	18.34	
5	256QAM	12	13	18.44	18.44	18.41	
5	256QAM	25	0	18.43	18.48	18.45	

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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	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.47	23.49	23.47	23.7
20	QPSK	1	49	23.28	23.27	23.24	
20	QPSK	1	99	23.24	23.23	23.24	
20	QPSK	50	0	23.42	23.52	23.42	23.7
20	QPSK	50	24	23.36	23.42	23.38	
20	QPSK	50	50	23.41	23.37	23.35	
20	QPSK	100	0	23.38	23.40	23.38	23.7
20	16QAM	1	0	23.57	23.60	23.58	
20	16QAM	1	49	23.56	23.58	23.47	
20	16QAM	1	99	23.50	23.50	23.50	22.5
20	16QAM	50	0	21.46	21.42	21.42	
20	16QAM	50	24	21.43	21.41	21.37	
20	16QAM	50	50	21.39	21.35	21.38	
20	16QAM	100	0	21.43	21.39	21.33	23.5
20	64QAM	1	0	22.65	22.69	22.48	
20	64QAM	1	49	22.56	22.46	22.40	
20	64QAM	1	99	22.56	22.43	22.41	22.5
20	64QAM	50	0	21.53	21.46	21.43	
20	64QAM	50	24	21.50	21.43	21.38	
20	64QAM	50	50	21.46	21.34	21.36	
20	64QAM	100	0	21.42	21.42	21.41	20.5
20	256QAM	1	0	19.53	19.40	19.49	
20	256QAM	1	49	19.55	19.45	19.51	
20	256QAM	1	99	19.62	19.53	19.59	
20	256QAM	50	0	18.26	18.22	18.29	19.6
20	256QAM	50	24	18.30	18.18	18.24	
20	256QAM	50	50	18.31	18.28	18.31	
20	256QAM	100	0	18.26	18.21	18.20	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.38	23.29	23.30	23.7
15	QPSK	1	37	23.11	23.23	23.19	
15	QPSK	1	74	23.06	23.07	23.09	
15	QPSK	36	0	23.36	23.51	23.38	23.7
15	QPSK	36	20	23.33	23.25	23.24	
15	QPSK	36	39	23.26	23.18	23.33	
15	QPSK	75	0	23.27	23.29	23.19	
15	16QAM	1	0	23.45	23.47	23.52	23.7
15	16QAM	1	37	23.50	23.52	23.33	
15	16QAM	1	74	23.48	23.47	23.33	
15	16QAM	36	0	21.35	21.41	21.24	22.5



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15	16QAM	36	20	21.31	21.31	21.23	
15	16QAM	36	39	21.39	21.27	21.31	
15	16QAM	75	0	21.42	21.24	21.17	
15	64QAM	1	0	22.51	22.69	22.28	23.5
15	64QAM	1	37	22.36	22.32	22.34	
15	64QAM	1	74	22.55	22.42	22.27	
15	64QAM	36	0	21.49	21.42	21.36	22.5
15	64QAM	36	20	21.33	21.27	21.21	
15	64QAM	36	39	21.33	21.24	21.25	
15	64QAM	75	0	21.30	21.30	21.25	
15	256QAM	1	0	19.37	19.32	19.34	20.5
15	256QAM	1	37	19.40	19.27	19.39	
15	256QAM	1	74	19.62	19.53	19.49	
15	256QAM	36	0	18.16	18.02	18.15	19.6
15	256QAM	36	20	18.23	18.01	18.07	
15	256QAM	36	39	18.24	18.17	18.20	
15	256QAM	75	0	18.16	18.20	18.11	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.34	23.40	23.30	23.7
10	QPSK	1	25	23.21	23.11	23.08	
10	QPSK	1	49	23.04	23.19	23.06	
10	QPSK	25	0	23.28	23.46	23.28	23.7
10	QPSK	25	12	23.31	23.27	23.31	
10	QPSK	25	25	23.39	23.35	23.19	
10	QPSK	50	0	23.26	23.32	23.21	
10	16QAM	1	0	23.48	23.43	23.42	23.7
10	16QAM	1	25	23.42	23.46	23.27	
10	16QAM	1	49	23.35	23.30	23.40	
10	16QAM	25	0	21.38	21.40	21.38	22.5
10	16QAM	25	12	21.42	21.41	21.35	
10	16QAM	25	25	21.19	21.19	21.23	
10	16QAM	50	0	21.39	21.32	21.31	
10	64QAM	1	0	22.47	22.55	22.38	23.5
10	64QAM	1	25	22.53	22.31	22.26	
10	64QAM	1	49	22.52	22.27	22.35	
10	64QAM	25	0	21.52	21.32	21.26	22.5
10	64QAM	25	12	21.50	21.31	21.20	
10	64QAM	25	25	21.28	21.24	21.24	
10	64QAM	50	0	21.39	21.29	21.31	
10	256QAM	1	0	19.46	19.27	19.29	20.5
10	256QAM	1	25	19.53	19.26	19.40	
10	256QAM	1	49	19.45	19.46	19.40	
10	256QAM	25	0	18.14	18.08	18.20	19.6
10	256QAM	25	12	18.15	18.01	18.20	
10	256QAM	25	25	18.22	18.16	18.13	
10	256QAM	50	0	18.06	18.01	18.09	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.40	23.32	23.33	23.7
5	QPSK	1	12	23.18	23.23	23.17	
5	QPSK	1	24	23.13	23.10	23.12	
5	QPSK	12	0	23.28	23.48	23.38	23.7
5	QPSK	12	7	23.31	23.22	23.38	
5	QPSK	12	13	23.24	23.22	23.16	
5	QPSK	25	0	23.29	23.27	23.32	



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5	16QAM	1	0	23.54	23.42	23.40	23.7
5	16QAM	1	12	23.45	23.39	23.33	
5	16QAM	1	24	23.34	23.32	23.31	
5	16QAM	12	0	21.43	21.23	21.22	22.5
5	16QAM	12	7	21.29	21.28	21.25	
5	16QAM	12	13	21.37	21.35	21.38	
5	16QAM	25	0	21.41	21.35	21.26	23.5
5	64QAM	1	0	22.53	22.52	22.41	
5	64QAM	1	12	22.52	22.29	22.32	
5	64QAM	1	24	22.55	22.29	22.34	22.5
5	64QAM	12	0	21.44	21.36	21.35	
5	64QAM	12	7	21.33	21.40	21.26	
5	64QAM	12	13	21.26	21.20	21.34	20.5
5	64QAM	25	0	21.24	21.29	21.38	
5	256QAM	1	0	19.44	19.22	19.34	
5	256QAM	1	12	19.43	19.31	19.34	19.6
5	256QAM	1	24	19.61	19.52	19.41	
5	256QAM	12	0	18.09	18.03	18.12	
5	256QAM	12	7	18.24	17.99	18.12	19.6
5	256QAM	12	13	18.22	18.10	18.31	
5	256QAM	25	0	18.23	18.09	18.00	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.28	23.42	23.42	23.7
3	QPSK	1	8	23.13	23.11	23.06	
3	QPSK	1	14	23.24	23.08	23.12	
3	QPSK	8	0	23.40	23.50	23.27	23.7
3	QPSK	8	4	23.31	23.26	23.20	
3	QPSK	8	7	23.24	23.21	23.25	
3	QPSK	15	0	23.29	23.23	23.35	23.7
3	16QAM	1	0	23.42	23.40	23.47	
3	16QAM	1	8	23.52	23.58	23.37	
3	16QAM	1	14	23.34	23.36	23.50	22.5
3	16QAM	8	0	21.39	21.34	21.24	
3	16QAM	8	4	21.30	21.36	21.25	
3	16QAM	8	7	21.22	21.27	21.34	23.5
3	16QAM	15	0	21.32	21.27	21.22	
3	64QAM	1	0	22.64	22.50	22.33	
3	64QAM	1	8	22.38	22.36	22.34	22.5
3	64QAM	1	14	22.37	22.25	22.24	
3	64QAM	8	0	21.33	21.32	21.42	
3	64QAM	8	4	21.31	21.34	21.37	20.5
3	64QAM	8	7	21.43	21.17	21.31	
3	64QAM	15	0	21.29	21.40	21.25	
3	256QAM	1	0	19.41	19.28	19.47	19.6
3	256QAM	1	8	19.49	19.39	19.31	
3	256QAM	1	14	19.47	19.33	19.49	
3	256QAM	8	0	18.19	18.19	18.29	19.6
3	256QAM	8	4	18.11	18.03	18.18	
3	256QAM	8	7	18.13	18.27	18.26	
3	256QAM	15	0	18.11	18.18	18.10	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.39	23.34	23.28	23.7
1.4	QPSK	1	3	23.24	23.25	23.20	
1.4	QPSK	1	5	23.05	23.21	23.05	



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1.4	QPSK	3	0	23.23	23.49	23.22	
1.4	QPSK	3	1	23.36	23.29	23.35	
1.4	QPSK	3	3	23.29	23.23	23.33	
1.4	QPSK	6	0	23.37	23.27	23.26	23.7
1.4	16QAM	1	0	23.53	23.42	23.45	23.7
1.4	16QAM	1	3	23.55	23.46	23.34	
1.4	16QAM	1	5	23.39	23.50	23.32	
1.4	16QAM	3	0	23.36	23.32	23.32	
1.4	16QAM	3	1	23.10	23.20	23.05	
1.4	16QAM	3	3	23.13	23.17	23.06	
1.4	16QAM	6	0	21.26	21.42	21.22	22.5
1.4	64QAM	1	0	22.63	22.68	22.44	23.5
1.4	64QAM	1	3	22.52	22.40	22.25	
1.4	64QAM	1	5	22.37	22.37	22.27	
1.4	64QAM	3	0	22.53	22.59	22.47	
1.4	64QAM	3	1	22.39	22.42	22.20	
1.4	64QAM	3	3	22.45	22.34	22.31	
1.4	64QAM	6	0	21.37	21.32	21.21	22.5
1.4	256QAM	1	0	19.43	19.38	19.29	20.5
1.4	256QAM	1	3	19.41	19.36	19.38	
1.4	256QAM	1	5	19.43	19.41	19.46	
1.4	256QAM	3	0	19.47	19.40	19.36	
1.4	256QAM	3	1	19.35	19.34	19.43	
1.4	256QAM	3	3	19.48	19.33	19.48	
1.4	256QAM	6	0	18.21	18.19	18.20	19.6

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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.07	23.23	23.11	
20	QPSK	1	49	23.14	23.17	23.16	
20	QPSK	1	99	23.07	23.08	23.14	
20	QPSK	50	0	23.07	23.12	23.09	23.3
20	QPSK	50	24	23.12	23.15	23.14	
20	QPSK	50	50	23.17	23.10	23.12	
20	QPSK	100	0	23.10	23.08	23.07	23.3
20	16QAM	1	0	23.09	23.12	23.12	
20	16QAM	1	49	23.16	23.09	23.13	
20	16QAM	1	99	23.11	23.14	23.08	23.3
20	16QAM	50	0	23.17	23.07	23.11	
20	16QAM	50	24	23.10	23.09	23.12	
20	16QAM	50	50	23.17	23.09	23.16	23.3
20	16QAM	100	0	23.09	23.09	23.10	
20	64QAM	1	0	23.10	23.16	23.16	
20	64QAM	1	49	23.13	23.15	23.13	23.3
20	64QAM	1	99	23.16	23.12	23.14	
20	64QAM	50	0	22.17	22.12	22.14	
20	64QAM	50	24	22.10	21.97	22.00	22.5
20	64QAM	50	50	22.07	22.02	22.04	
20	64QAM	100	0	22.15	22.14	22.10	
20	256QAM	1	0	20.14	20.12	20.10	20.5
20	256QAM	1	49	20.18	20.11	20.10	
20	256QAM	1	99	20.13	20.09	20.08	
20	256QAM	50	0	20.17	20.11	20.10	20.5



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20	256QAM	50	24	20.10	20.08	20.01	
20	256QAM	50	50	20.16	20.00	20.08	
20	256QAM	100	0	20.08	20.11	20.05	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.17	23.08	23.13	23.3
15	QPSK	1	37	23.15	23.10	23.16	
15	QPSK	1	74	23.09	23.17	23.16	
15	QPSK	36	0	23.08	23.15	23.07	23.3
15	QPSK	36	20	23.15	23.08	23.11	
15	QPSK	36	39	23.11	23.12	23.09	
15	QPSK	75	0	23.10	23.12	23.08	23.3
15	16QAM	1	0	23.15	23.08	23.14	
15	16QAM	1	37	23.08	23.13	23.09	
15	16QAM	1	74	23.10	23.17	23.11	23.3
15	16QAM	36	0	23.13	23.14	23.09	
15	16QAM	36	20	23.15	23.13	23.11	
15	16QAM	36	39	23.08	23.09	23.16	23.3
15	16QAM	75	0	23.17	23.17	23.07	
15	64QAM	1	0	23.09	23.10	23.16	
15	64QAM	1	37	23.14	23.14	23.08	
15	64QAM	1	74	23.11	23.16	23.11	
15	64QAM	36	0	22.13	22.03	22.07	22.5
15	64QAM	36	20	22.07	21.87	21.93	
15	64QAM	36	39	22.00	21.97	21.96	
15	64QAM	75	0	22.12	22.04	22.05	20.5
15	256QAM	1	0	20.11	20.08	20.05	
15	256QAM	1	37	20.17	20.04	20.04	
15	256QAM	1	74	20.11	20.09	19.99	20.5
15	256QAM	36	0	20.11	20.09	20.06	
15	256QAM	36	20	20.07	19.98	19.96	
15	256QAM	36	39	20.12	19.93	20.04	20.5
15	256QAM	75	0	20.06	20.10	19.97	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.08	23.15	23.13	23.3
10	QPSK	1	25	23.15	23.08	23.17	
10	QPSK	1	49	23.09	23.16	23.10	
10	QPSK	25	0	23.14	23.17	23.10	23.3
10	QPSK	25	12	23.17	23.07	23.10	
10	QPSK	25	25	23.10	23.07	23.10	
10	QPSK	50	0	23.12	23.09	23.17	23.3
10	16QAM	1	0	23.12	23.12	23.13	
10	16QAM	1	25	23.07	23.09	23.16	
10	16QAM	1	49	23.07	23.14	23.17	23.3
10	16QAM	25	0	23.14	23.15	23.17	
10	16QAM	25	12	23.14	23.08	23.09	
10	16QAM	25	25	23.07	23.13	23.08	23.3
10	16QAM	50	0	23.07	23.16	23.15	
10	64QAM	1	0	23.13	23.12	23.11	
10	64QAM	1	25	23.09	23.14	23.14	
10	64QAM	1	49	23.16	23.07	23.17	
10	64QAM	25	0	22.12	22.12	22.05	22.5
10	64QAM	25	12	22.04	21.97	21.91	
10	64QAM	25	25	21.98	22.00	22.00	
10	64QAM	50	0	22.14	22.13	22.03	



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10	256QAM	1	0	20.04	20.05	20.04	20.5
10	256QAM	1	25	20.18	20.06	20.07	
10	256QAM	1	49	20.08	20.02	20.05	
10	256QAM	25	0	20.14	20.07	20.09	20.5
10	256QAM	25	12	20.01	20.06	19.99	
10	256QAM	25	25	20.10	19.96	20.04	
10	256QAM	50	0	20.02	20.03	20.00	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.17	23.09	23.09	23.3
5	QPSK	1	12	23.10	23.14	23.13	
5	QPSK	1	24	23.09	23.10	23.09	
5	QPSK	12	0	23.17	23.14	23.08	23.3
5	QPSK	12	7	23.10	23.09	23.10	
5	QPSK	12	13	23.12	23.09	23.16	
5	QPSK	25	0	23.12	23.15	23.17	
5	16QAM	1	0	23.15	23.10	23.09	23.3
5	16QAM	1	12	23.15	23.11	23.07	
5	16QAM	1	24	23.16	23.12	23.17	
5	16QAM	12	0	23.08	23.11	23.08	23.3
5	16QAM	12	7	23.13	23.13	23.07	
5	16QAM	12	13	23.07	23.08	23.09	
5	16QAM	25	0	23.11	23.15	23.12	
5	64QAM	1	0	23.11	23.14	23.13	23.3
5	64QAM	1	12	23.13	23.07	23.16	
5	64QAM	1	24	23.09	23.12	23.07	
5	64QAM	12	0	22.12	22.10	22.05	22.5
5	64QAM	12	7	22.08	21.89	21.97	
5	64QAM	12	13	21.98	22.01	22.04	
5	64QAM	25	0	22.09	22.05	22.05	
5	256QAM	1	0	20.07	20.10	20.06	20.5
5	256QAM	1	12	20.15	20.04	20.02	
5	256QAM	1	24	20.12	20.00	20.01	
5	256QAM	12	0	20.10	20.09	20.10	20.5
5	256QAM	12	7	20.07	20.00	20.01	
5	256QAM	12	13	20.10	19.97	20.02	
5	256QAM	25	0	20.05	20.07	20.02	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.09	23.17	23.02	23.3
3	QPSK	1	8	23.16	23.10	23.08	
3	QPSK	1	14	23.03	23.12	23.06	
3	QPSK	8	0	23.07	23.04	23.05	23.3
3	QPSK	8	4	23.08	23.14	23.03	
3	QPSK	8	7	23.01	23.07	23.09	
3	QPSK	15	0	23.00	23.03	23.07	
3	16QAM	1	0	23.11	23.12	23.02	23.3
3	16QAM	1	8	23.04	23.08	23.06	
3	16QAM	1	14	23.12	23.04	23.02	
3	16QAM	8	0	22.99	22.93	22.94	23.3
3	16QAM	8	4	22.95	22.91	23.02	
3	16QAM	8	7	23.01	22.87	22.95	
3	16QAM	15	0	23.02	22.90	22.97	
3	64QAM	1	0	22.87	22.81	22.92	23.3
3	64QAM	1	8	22.97	22.92	22.94	
3	64QAM	1	14	23.01	22.92	22.95	



3	64QAM	8	0	22.16	21.97	22.05	22.5
3	64QAM	8	4	22.00	21.96	21.95	
3	64QAM	8	7	21.87	21.95	21.91	
3	64QAM	15	0	22.10	22.07	22.08	20.5
3	256QAM	1	0	20.00	20.05	20.00	
3	256QAM	1	8	20.02	20.07	20.00	
3	256QAM	1	14	20.06	20.00	20.02	20.5
3	256QAM	8	0	20.08	19.97	20.00	
3	256QAM	8	4	19.99	19.95	19.86	
3	256QAM	8	7	20.12	19.94	20.00	
3	256QAM	15	0	20.02	19.98	19.96	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.14	23.14	23.08	23.3
1.4	QPSK	1	3	23.11	23.08	23.12	
1.4	QPSK	1	5	23.08	23.17	23.09	
1.4	QPSK	3	0	23.12	23.14	23.10	
1.4	QPSK	3	1	23.07	23.13	23.14	
1.4	QPSK	3	3	23.11	23.15	23.13	23.3
1.4	QPSK	6	0	23.17	23.10	23.16	23.3
1.4	16QAM	1	0	23.12	23.14	23.07	
1.4	16QAM	1	3	23.16	23.13	23.14	
1.4	16QAM	1	5	23.14	23.08	23.15	
1.4	16QAM	3	0	23.08	23.11	23.17	
1.4	16QAM	3	1	23.07	23.10	23.09	
1.4	16QAM	3	3	23.09	23.10	23.11	
1.4	16QAM	6	0	23.09	23.15	23.10	23.3
1.4	64QAM	1	0	23.12	23.11	23.16	23.3
1.4	64QAM	1	3	23.17	23.12	23.09	
1.4	64QAM	1	5	23.17	23.07	23.13	
1.4	64QAM	3	0	23.12	23.12	23.15	
1.4	64QAM	3	1	23.14	23.17	23.15	
1.4	64QAM	3	3	23.14	23.15	23.10	
1.4	64QAM	6	0	22.10	21.90	22.00	22.5
1.4	256QAM	1	0	20.14	20.04	20.08	20.5
1.4	256QAM	1	3	20.14	20.09	20.09	
1.4	256QAM	1	5	20.09	19.99	20.08	
1.4	256QAM	3	0	20.08	20.07	20.10	
1.4	256QAM	3	1	20.05	19.98	20.01	
1.4	256QAM	3	3	20.11	19.98	20.04	
1.4	256QAM	6	0	20.06	20.08	20.02	20.5

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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	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.47	19.38	19.26	20
20	QPSK	1	49	19.29	19.17	19.07	
20	QPSK	1	99	19.25	19.10	19.04	
20	QPSK	50	0	19.50	19.42	19.32	20
20	QPSK	50	24	19.46	19.36	19.27	
20	QPSK	50	50	19.42	19.29	19.19	
20	QPSK	100	0	19.45	19.35	19.25	
20	16QAM	1	0	19.93	19.76	19.59	20



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20	16QAM	1	49	19.67	19.51	19.40	
20	16QAM	1	99	19.59	19.44	19.39	
20	16QAM	50	0	19.52	19.43	19.28	
20	16QAM	50	24	19.47	19.36	19.26	20
20	16QAM	50	50	19.39	19.29	19.20	
20	16QAM	100	0	19.42	19.33	19.20	
20	64QAM	1	0	19.61	19.58	19.59	20
20	64QAM	1	49	19.51	19.34	19.36	
20	64QAM	1	99	19.44	19.29	19.34	
20	64QAM	50	0	19.59	19.45	19.33	20
20	64QAM	50	24	19.52	19.37	19.28	
20	64QAM	50	50	19.45	19.30	19.21	
20	64QAM	100	0	19.46	19.34	19.23	
20	256QAM	1	0	18.57	18.47	18.43	
20	256QAM	1	49	18.57	18.50	18.48	19.8
20	256QAM	1	99	18.47	18.43	18.47	
20	256QAM	50	0	17.21	17.32	17.22	
20	256QAM	50	24	17.33	17.22	17.25	18.8
20	256QAM	50	50	17.31	17.35	17.14	
20	256QAM	100	0	17.15	17.32	17.31	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.41	19.18	19.06	20
15	QPSK	1	37	19.10	19.14	18.95	
15	QPSK	1	74	19.18	18.90	18.84	
15	QPSK	36	0	19.33	19.42	19.17	20
15	QPSK	36	20	19.33	19.29	19.20	
15	QPSK	36	39	19.32	19.17	19.14	
15	QPSK	75	0	19.45	19.23	19.14	
15	16QAM	1	0	19.92	19.73	19.41	
15	16QAM	1	37	19.60	19.47	19.21	20
15	16QAM	1	74	19.54	19.40	19.38	
15	16QAM	36	0	19.42	19.27	19.10	
15	16QAM	36	20	19.44	19.32	19.18	20
15	16QAM	36	39	19.37	19.27	19.03	
15	16QAM	75	0	19.38	19.30	19.17	
15	64QAM	1	0	19.47	19.55	19.39	
15	64QAM	1	37	19.36	19.32	19.29	
15	64QAM	1	74	19.37	19.12	19.22	20
15	64QAM	36	0	19.58	19.36	19.30	
15	64QAM	36	20	19.34	19.19	19.25	
15	64QAM	36	39	19.31	19.25	19.13	20
15	64QAM	75	0	19.39	19.18	19.21	
15	256QAM	1	0	18.40	18.47	18.35	
15	256QAM	1	37	18.41	18.50	18.33	
15	256QAM	1	74	18.34	18.32	18.40	
15	256QAM	36	0	17.15	17.19	17.09	18.8
15	256QAM	36	20	17.30	17.21	17.17	
15	256QAM	36	39	17.23	17.33	17.03	
15	256QAM	75	0	17.15	17.19	17.16	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.38	19.22	19.20	20
10	QPSK	1	25	19.22	19.10	18.90	
10	QPSK	1	49	19.09	19.05	18.90	
10	QPSK	25	0	19.41	19.36	19.13	20



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10	QPSK	25	12	19.36	19.16	19.13	
10	QPSK	25	25	19.41	19.19	19.04	
10	QPSK	50	0	19.26	19.33	19.05	
10	16QAM	1	0	19.91	19.61	19.52	20
10	16QAM	1	25	19.57	19.48	19.20	
10	16QAM	1	49	19.42	19.28	19.22	
10	16QAM	25	0	19.49	19.25	19.21	20
10	16QAM	25	12	19.32	19.26	19.15	
10	16QAM	25	25	19.35	19.27	19.05	
10	16QAM	50	0	19.40	19.21	19.13	20
10	64QAM	1	0	19.57	19.58	19.55	
10	64QAM	1	25	19.32	19.30	19.22	
10	64QAM	1	49	19.37	19.09	19.28	20
10	64QAM	25	0	19.56	19.37	19.23	
10	64QAM	25	12	19.44	19.34	19.27	
10	64QAM	25	25	19.27	19.27	19.19	20
10	64QAM	50	0	19.38	19.21	19.16	
10	256QAM	1	0	18.50	18.37	18.40	
10	256QAM	1	25	18.45	18.49	18.48	
10	256QAM	1	49	18.44	18.25	18.35	
10	256QAM	25	0	17.07	17.13	17.17	18.8
10	256QAM	25	12	17.21	17.13	17.12	
10	256QAM	25	25	17.13	17.32	17.09	
10	256QAM	50	0	16.99	17.12	17.21	Tune-up limit (dBm)
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	19.35	19.24	19.22	20
5	QPSK	1	12	19.09	19.16	18.90	
5	QPSK	1	24	19.15	18.98	19.04	
5	QPSK	12	0	19.41	19.40	19.18	20
5	QPSK	12	7	19.36	19.32	19.08	
5	QPSK	12	13	19.22	19.09	19.16	
5	QPSK	25	0	19.44	19.27	19.23	20
5	16QAM	1	0	19.92	19.69	19.42	
5	16QAM	1	12	19.59	19.45	19.39	
5	16QAM	1	24	19.58	19.32	19.25	20
5	16QAM	12	0	19.48	19.42	19.24	
5	16QAM	12	7	19.38	19.36	19.22	
5	16QAM	12	13	19.34	19.27	19.16	20
5	16QAM	25	0	19.22	19.16	19.19	
5	64QAM	1	0	19.54	19.51	19.44	
5	64QAM	1	12	19.43	19.32	19.35	20
5	64QAM	1	24	19.27	19.24	19.30	
5	64QAM	12	0	19.42	19.37	19.31	
5	64QAM	12	7	19.36	19.17	19.15	20
5	64QAM	12	13	19.38	19.20	19.02	
5	64QAM	25	0	19.41	19.14	19.17	
5	256QAM	1	0	18.42	18.40	18.32	19.8
5	256QAM	1	12	18.41	18.42	18.31	
5	256QAM	1	24	18.32	18.43	18.29	
5	256QAM	12	0	17.05	17.19	17.05	18.8
5	256QAM	12	7	17.19	17.12	17.19	
5	256QAM	12	13	17.12	17.23	16.95	
5	256QAM	25	0	17.09	17.25	17.26	Tune-up limit (dBm)
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	19.37	19.23	19.16	20
3	QPSK	1	8	19.24	19.11	19.00	
3	QPSK	1	14	19.23	18.98	18.88	
3	QPSK	8	0	19.34	19.42	19.30	20
3	QPSK	8	4	19.32	19.18	19.11	
3	QPSK	8	7	19.27	19.23	19.16	
3	QPSK	15	0	19.35	19.20	19.20	20
3	16QAM	1	0	19.74	19.59	19.48	
3	16QAM	1	8	19.50	19.44	19.40	
3	16QAM	1	14	19.50	19.41	19.19	20
3	16QAM	8	0	19.37	19.32	19.16	
3	16QAM	8	4	19.46	19.25	19.17	
3	16QAM	8	7	19.24	19.25	19.03	20
3	16QAM	15	0	19.34	19.27	19.09	
3	64QAM	1	0	19.56	19.57	19.54	
3	64QAM	1	8	19.51	19.30	19.17	20
3	64QAM	1	14	19.38	19.11	19.20	
3	64QAM	8	0	19.59	19.39	19.24	
3	64QAM	8	4	19.47	19.24	19.26	20
3	64QAM	8	7	19.39	19.27	19.02	
3	64QAM	15	0	19.43	19.24	19.04	
3	256QAM	1	0	18.57	18.32	18.40	19.8
3	256QAM	1	8	18.43	18.42	18.31	
3	256QAM	1	14	18.46	18.27	18.44	
3	256QAM	8	0	17.07	17.15	17.15	18.8
3	256QAM	8	4	17.32	17.11	17.16	
3	256QAM	8	7	17.15	17.16	17.05	
3	256QAM	15	0	17.05	17.14	17.14	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.29	19.21	19.09	20
1.4	QPSK	1	3	19.21	18.99	18.91	
1.4	QPSK	1	5	19.07	18.91	18.84	
1.4	QPSK	3	0	19.32	19.29	19.21	
1.4	QPSK	3	1	19.30	19.25	19.23	
1.4	QPSK	3	3	19.39	19.13	19.09	
1.4	QPSK	6	0	19.32	19.33	19.10	20
1.4	16QAM	1	0	19.84	19.73	19.54	20
1.4	16QAM	1	3	19.55	19.41	19.23	
1.4	16QAM	1	5	19.58	19.30	19.22	
1.4	16QAM	3	0	19.51	19.41	19.20	
1.4	16QAM	3	1	19.39	19.21	19.09	
1.4	16QAM	3	3	19.30	19.20	19.12	
1.4	16QAM	6	0	19.23	19.19	19.03	20
1.4	64QAM	1	0	19.47	19.57	19.56	20
1.4	64QAM	1	3	19.47	19.16	19.25	
1.4	64QAM	1	5	19.30	19.11	19.23	
1.4	64QAM	3	0	19.55	19.37	19.19	
1.4	64QAM	3	1	19.43	19.19	19.15	
1.4	64QAM	3	3	19.45	19.28	19.13	
1.4	64QAM	6	0	19.35	19.19	19.19	20
1.4	256QAM	1	0	18.54	18.31	18.42	19.8
1.4	256QAM	1	3	18.50	18.33	18.31	
1.4	256QAM	1	5	18.42	18.34	18.31	
1.4	256QAM	3	0	18.48	18.45	18.35	
1.4	256QAM	3	1	18.53	18.47	18.33	



1.4	256QAM	3	3	18.41	18.27	18.33	
1.4	256QAM	6	0	17.05	17.20	17.07	18.8

Art 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	25.08	25.02	24.78	25.3
20	QPSK	1	49	24.96	24.90	24.61	
20	QPSK	1	99	24.76	24.80	24.47	
20	QPSK	50	0	24.02	23.96	23.65	24.3
20	QPSK	50	24	23.89	23.91	23.64	
20	QPSK	50	50	23.93	23.87	23.61	
20	QPSK	100	0	23.93	23.92	23.66	24.3
20	16QAM	1	0	24.19	24.23	23.98	
20	16QAM	1	49	24.00	24.03	23.72	
20	16QAM	1	99	23.99	23.99	23.67	23.3
20	16QAM	50	0	22.91	22.91	22.65	
20	16QAM	50	24	22.83	22.87	22.63	
20	16QAM	50	50	22.85	22.85	22.55	23.3
20	16QAM	100	0	22.96	22.91	22.65	
20	64QAM	1	0	23.17	23.14	22.80	
20	64QAM	1	49	22.94	22.92	22.68	23.3
20	64QAM	1	99	22.89	22.87	22.59	
20	64QAM	50	0	21.98	21.93	21.67	
20	64QAM	50	24	21.90	21.92	21.62	22.3
20	64QAM	50	50	21.84	21.83	21.59	
20	64QAM	100	0	21.94	21.88	21.63	
20	256QAM	1	0	20.07	20.07	19.82	20.3
20	256QAM	1	49	19.94	19.91	19.65	
20	256QAM	1	99	19.90	19.85	19.54	
20	256QAM	50	0	19.98	19.93	19.62	20.3
20	256QAM	50	24	19.90	19.86	19.59	
20	256QAM	50	50	19.76	19.78	19.45	
20	256QAM	100	0	19.84	19.83	19.59	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)
15	QPSK	1	0	24.99	24.89	24.63	25.3
15	QPSK	1	37	24.84	24.74	24.41	
15	QPSK	1	74	24.67	24.74	24.40	
15	QPSK	36	0	23.95	23.81	23.64	24.3
15	QPSK	36	20	23.88	23.81	23.51	
15	QPSK	36	39	23.86	23.77	23.42	
15	QPSK	75	0	23.86	23.87	23.51	24.3
15	16QAM	1	0	24.09	24.07	23.87	
15	16QAM	1	37	23.89	23.98	23.57	
15	16QAM	1	74	23.92	23.85	23.58	23.3
15	16QAM	36	0	22.72	22.76	22.63	
15	16QAM	36	20	22.66	22.70	22.45	
15	16QAM	36	39	22.70	22.83	22.37	23.3
15	16QAM	75	0	22.86	22.91	22.49	
15	64QAM	1	0	22.97	23.10	22.77	
15	64QAM	1	37	22.89	22.79	22.48	23.3
15	64QAM	1	74	22.79	22.87	22.56	
15	64QAM	36	0	21.88	21.84	21.50	



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15	64QAM	36	20	21.75	21.72	21.60	
15	64QAM	36	39	21.71	21.78	21.49	
15	64QAM	75	0	21.87	21.78	21.43	
15	256QAM	1	0	19.98	19.99	19.62	20.3
15	256QAM	1	37	19.74	19.82	19.55	
15	256QAM	1	74	19.82	19.65	19.40	
15	256QAM	36	0	19.94	19.82	19.62	20.3
15	256QAM	36	20	19.82	19.70	19.52	
15	256QAM	36	39	19.65	19.59	19.33	
15	256QAM	75	0	19.65	19.74	19.50	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	25.05	24.97	24.75	25.3
10	QPSK	1	25	24.84	24.71	24.53	
10	QPSK	1	49	24.71	24.71	24.35	
10	QPSK	25	0	23.93	23.85	23.65	24.3
10	QPSK	25	12	23.86	23.81	23.52	
10	QPSK	25	25	23.86	23.74	23.48	
10	QPSK	50	0	23.77	23.83	23.47	
10	16QAM	1	0	24.10	24.16	23.83	24.3
10	16QAM	1	25	23.84	23.97	23.52	
10	16QAM	1	49	23.89	23.97	23.51	
10	16QAM	25	0	22.74	22.86	22.45	23.3
10	16QAM	25	12	22.66	22.83	22.54	
10	16QAM	25	25	22.71	22.79	22.51	
10	16QAM	50	0	22.78	22.79	22.59	
10	64QAM	1	0	23.17	23.00	22.75	23.3
10	64QAM	1	25	22.76	22.88	22.50	
10	64QAM	1	49	22.71	22.77	22.49	
10	64QAM	25	0	21.93	21.73	21.54	22.3
10	64QAM	25	12	21.77	21.79	21.43	
10	64QAM	25	25	21.80	21.79	21.43	
10	64QAM	50	0	21.78	21.76	21.57	
10	256QAM	1	0	20.07	19.97	19.71	20.3
10	256QAM	1	25	19.75	19.87	19.45	
10	256QAM	1	49	19.70	19.66	19.36	
10	256QAM	25	0	19.81	19.92	19.42	20.3
10	256QAM	25	12	19.86	19.70	19.42	
10	256QAM	25	25	19.68	19.58	19.28	
10	256QAM	50	0	19.75	19.82	19.47	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	25.07	24.86	24.67	25.3
5	QPSK	1	12	24.86	24.79	24.59	
5	QPSK	1	24	24.74	24.75	24.44	
5	QPSK	12	0	23.87	23.81	23.48	24.3
5	QPSK	12	7	23.76	23.85	23.49	
5	QPSK	12	13	23.81	23.77	23.43	
5	QPSK	25	0	23.75	23.75	23.63	
5	16QAM	1	0	24.09	24.16	23.90	24.3
5	16QAM	1	12	24.00	24.03	23.65	
5	16QAM	1	24	23.80	23.88	23.56	
5	16QAM	12	0	22.71	22.84	22.45	23.3
5	16QAM	12	7	22.72	22.78	22.61	
5	16QAM	12	13	22.79	22.74	22.46	
5	16QAM	25	0	22.84	22.81	22.62	



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5	64QAM	1	0	23.17	22.96	22.70	23.3
5	64QAM	1	12	22.90	22.76	22.63	
5	64QAM	1	24	22.75	22.73	22.49	
5	64QAM	12	0	21.81	21.82	21.49	22.3
5	64QAM	12	7	21.70	21.77	21.59	
5	64QAM	12	13	21.82	21.65	21.58	
5	64QAM	25	0	21.83	21.86	21.51	20.3
5	256QAM	1	0	20.03	19.96	19.69	
5	256QAM	1	12	19.92	19.79	19.63	
5	256QAM	1	24	19.85	19.80	19.41	20.3
5	256QAM	12	0	19.87	19.84	19.50	
5	256QAM	12	7	19.70	19.82	19.57	
5	256QAM	12	13	19.72	19.70	19.37	Tune-up limit (dBm)
5	256QAM	25	0	19.64	19.68	19.55	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	25.07	25.00	24.62	25.3
3	QPSK	1	8	24.88	24.81	24.61	
3	QPSK	1	14	24.70	24.79	24.45	
3	QPSK	8	0	23.99	23.96	23.54	24.3
3	QPSK	8	4	23.71	23.77	23.51	
3	QPSK	8	7	23.79	23.73	23.46	
3	QPSK	15	0	23.89	23.85	23.61	24.3
3	16QAM	1	0	24.13	24.22	23.80	
3	16QAM	1	8	23.86	23.88	23.70	
3	16QAM	1	14	23.95	23.84	23.57	23.3
3	16QAM	8	0	22.71	22.78	22.49	
3	16QAM	8	4	22.64	22.79	22.61	
3	16QAM	8	7	22.73	22.70	22.48	23.3
3	16QAM	15	0	22.82	22.90	22.63	
3	64QAM	1	0	22.98	23.04	22.61	
3	64QAM	1	8	22.91	22.82	22.63	23.3
3	64QAM	1	14	22.72	22.85	22.39	
3	64QAM	8	0	21.93	21.84	21.62	
3	64QAM	8	4	21.89	21.90	21.51	22.3
3	64QAM	8	7	21.76	21.64	21.41	
3	64QAM	15	0	21.75	21.78	21.48	
3	256QAM	1	0	20.04	19.91	19.71	20.3
3	256QAM	1	8	19.83	19.87	19.60	
3	256QAM	1	14	19.71	19.75	19.45	
3	256QAM	8	0	19.94	19.86	19.51	20.3
3	256QAM	8	4	19.72	19.68	19.43	
3	256QAM	8	7	19.74	19.61	19.37	
3	256QAM	15	0	19.82	19.69	19.51	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.98	25.00	24.61	25.3
1.4	QPSK	1	3	24.95	24.75	24.60	
1.4	QPSK	1	5	24.70	24.65	24.39	
1.4	QPSK	3	0	24.88	24.91	24.69	24.3
1.4	QPSK	3	1	24.94	24.85	24.47	
1.4	QPSK	3	3	24.59	24.74	24.29	
1.4	QPSK	6	0	23.92	23.79	23.56	24.3
1.4	16QAM	1	0	23.86	23.72	23.60	
1.4	16QAM	1	3	23.81	23.68	23.45	
1.4	16QAM	1	5	23.80	23.72	23.46	24.3



1.4	16QAM	3	0	23.91	23.87	23.46	
1.4	16QAM	3	1	22.83	22.72	22.45	
1.4	16QAM	3	3	22.84	22.68	22.44	
1.4	16QAM	6	0	22.86	22.73	22.46	23.3
1.4	64QAM	1	0	23.13	23.05	22.73	23.3
1.4	64QAM	1	3	22.78	22.80	22.57	
1.4	64QAM	1	5	22.78	22.86	22.55	
1.4	64QAM	3	0	22.75	22.80	22.45	
1.4	64QAM	3	1	22.77	22.90	22.58	
1.4	64QAM	3	3	23.09	22.96	22.64	
1.4	64QAM	6	0	21.81	21.87	21.61	22.3
1.4	256QAM	1	0	19.95	20.02	19.63	20.3
1.4	256QAM	1	3	19.84	19.77	19.49	
1.4	256QAM	1	5	19.90	19.81	19.54	
1.4	256QAM	3	0	19.93	19.80	19.59	
1.4	256QAM	3	1	19.71	19.70	19.51	
1.4	256QAM	3	3	19.72	19.60	19.36	
1.4	256QAM	6	0	19.73	19.80	19.40	20.3

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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				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	25.00	24.96	24.91	
20	QPSK	1	49	24.82	24.74	24.58	
20	QPSK	1	99	24.72	24.66	24.59	
20	QPSK	50	0	23.95	23.82	23.81	24.5
20	QPSK	50	24	23.90	23.78	23.75	
20	QPSK	50	50	23.83	23.73	23.72	
20	QPSK	100	0	23.90	23.76	23.73	24.5
20	16QAM	1	0	24.21	24.04	24.22	
20	16QAM	1	49	24.14	23.79	24.04	
20	16QAM	1	99	24.13	23.94	23.83	23.5
20	16QAM	50	0	22.97	22.88	22.87	
20	16QAM	50	24	22.91	22.87	22.84	
20	16QAM	50	50	22.88	22.83	22.77	23.5
20	16QAM	100	0	22.88	22.82	22.80	
20	64QAM	1	0	23.05	23.10	23.24	
20	64QAM	1	49	23.03	23.03	23.11	23.5
20	64QAM	1	99	23.00	22.96	23.00	
20	64QAM	50	0	21.98	21.96	21.93	
20	64QAM	50	24	21.98	21.89	21.89	22.5
20	64QAM	50	50	21.93	21.85	21.82	
20	64QAM	100	0	21.91	21.84	21.81	
20	256QAM	1	0	19.88	19.93	20.02	20.5
20	256QAM	1	49	19.65	19.79	19.85	
20	256QAM	1	99	19.64	19.70	19.79	
20	256QAM	50	0	19.66	19.75	19.76	20.5
20	256QAM	50	24	19.56	19.67	19.72	
20	256QAM	50	50	19.47	19.52	19.57	
20	256QAM	100	0	19.65	19.74	19.75	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.96	24.81	24.79	



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15	QPSK	1	37	24.84	24.69	24.65	
15	QPSK	1	74	24.82	24.67	24.70	
15	QPSK	36	0	24.01	23.94	23.92	
15	QPSK	36	20	23.99	23.92	23.88	24.5
15	QPSK	36	39	23.93	23.85	23.84	
15	QPSK	75	0	23.93	23.83	23.83	
15	16QAM	1	0	24.37	24.22	24.31	24.5
15	16QAM	1	37	24.07	24.12	24.27	
15	16QAM	1	74	24.21	24.03	24.10	
15	16QAM	36	0	23.01	22.93	22.96	23.5
15	16QAM	36	20	22.99	22.96	22.92	
15	16QAM	36	39	22.98	22.91	22.86	
15	16QAM	75	0	23.00	22.93	22.89	23.5
15	64QAM	1	0	23.27	23.05	23.06	
15	64QAM	1	37	23.13	22.82	23.02	
15	64QAM	1	74	23.04	22.92	22.88	22.5
15	64QAM	36	0	22.02	22.00	22.00	
15	64QAM	36	20	22.05	21.96	21.95	
15	64QAM	36	39	22.03	21.95	21.93	20.5
15	64QAM	75	0	22.00	21.89	21.91	
15	256QAM	1	0	20.24	20.30	20.26	
15	256QAM	1	37	20.15	20.08	19.93	20.5
15	256QAM	1	74	19.98	19.86	19.77	
15	256QAM	36	0	20.10	19.95	19.94	
15	256QAM	36	20	19.91	19.86	19.82	20.5
15	256QAM	36	39	19.84	19.69	19.73	
15	256QAM	75	0	19.96	19.95	19.85	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.98	24.99	24.95	25.5
10	QPSK	1	25	24.98	24.86	24.77	
10	QPSK	1	49	24.99	24.85	24.83	
10	QPSK	25	0	24.00	23.91	23.91	24.5
10	QPSK	25	12	23.98	23.92	23.90	
10	QPSK	25	25	23.96	23.86	23.89	
10	QPSK	50	0	24.02	23.92	23.92	24.5
10	16QAM	1	0	24.19	24.23	24.16	
10	16QAM	1	25	24.14	24.22	24.18	
10	16QAM	1	49	24.27	24.24	24.12	23.5
10	16QAM	25	0	22.99	22.98	22.97	
10	16QAM	25	12	22.99	22.97	22.96	
10	16QAM	25	25	22.99	22.94	22.93	23.5
10	16QAM	50	0	23.02	22.96	22.97	
10	64QAM	1	0	23.22	23.19	23.02	
10	64QAM	1	25	23.11	23.23	23.14	23.5
10	64QAM	1	49	23.15	23.15	23.01	
10	64QAM	25	0	22.05	22.01	21.97	
10	64QAM	25	12	22.01	21.96	21.97	22.5
10	64QAM	25	25	22.01	21.96	21.98	
10	64QAM	50	0	22.06	22.03	22.03	
10	256QAM	1	0	20.13	20.20	20.19	20.5
10	256QAM	1	25	20.00	19.99	19.95	
10	256QAM	1	49	19.78	19.93	19.75	
10	256QAM	25	0	20.03	20.06	19.95	20.5
10	256QAM	25	12	19.92	19.82	19.84	
10	256QAM	25	25	19.87	19.74	19.82	



10	256QAM	50	0	19.94	19.94	19.84	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.95	24.96	24.90	25.5
5	QPSK	1	12	24.89	24.88	24.83	
5	QPSK	1	24	24.99	24.91	24.85	
5	QPSK	12	0	24.02	23.98	23.95	24.5
5	QPSK	12	7	24.01	24.00	23.96	
5	QPSK	12	13	24.02	23.98	23.92	
5	QPSK	25	0	23.95	23.94	23.87	
5	16QAM	1	0	24.46	24.34	24.32	24.5
5	16QAM	1	12	24.33	24.26	24.20	
5	16QAM	1	24	24.40	24.36	24.22	
5	16QAM	12	0	23.04	23.06	23.01	23.5
5	16QAM	12	7	23.10	23.08	23.00	
5	16QAM	12	13	23.11	23.04	22.97	
5	16QAM	25	0	23.02	22.99	22.95	
5	64QAM	1	0	23.23	23.16	23.18	23.5
5	64QAM	1	12	23.16	23.08	23.07	
5	64QAM	1	24	23.17	23.11	22.96	
5	64QAM	12	0	22.08	22.07	22.04	22.5
5	64QAM	12	7	22.11	22.07	21.99	
5	64QAM	12	13	22.12	22.08	21.93	
5	64QAM	25	0	22.04	21.99	21.94	
5	256QAM	1	0	19.98	19.99	19.96	20.5
5	256QAM	1	12	20.04	19.85	19.90	
5	256QAM	1	24	19.96	19.84	19.85	
5	256QAM	12	0	19.95	19.97	19.82	20.5
5	256QAM	12	7	19.95	19.85	19.82	
5	256QAM	12	13	19.92	19.84	19.82	
5	256QAM	25	0	19.94	19.85	19.80	

FDD LTE Band 71_TX 1 (Index4)

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				133222	133297	133372	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	25.04	24.98	24.77	25.5
20	QPSK	1	49	24.97	24.89	24.61	
20	QPSK	1	99	24.90	24.76	24.58	
20	QPSK	50	0	24.17	23.98	23.79	24.5
20	QPSK	50	24	24.14	23.92	23.75	
20	QPSK	50	50	24.04	23.87	23.72	
20	QPSK	100	0	24.09	23.87	23.73	
20	16QAM	1	0	24.38	24.28	24.23	24.5
20	16QAM	1	49	24.32	24.32	24.12	
20	16QAM	1	99	24.36	24.35	24.01	
20	16QAM	50	0	23.12	22.98	22.83	23.5
20	16QAM	50	24	23.12	22.96	22.83	
20	16QAM	50	50	23.05	22.93	22.78	
20	16QAM	100	0	23.07	22.92	22.76	
20	64QAM	1	0	23.29	23.09	23.29	23.5
20	64QAM	1	49	23.21	23.06	23.00	
20	64QAM	1	99	23.23	22.99	22.83	
20	64QAM	50	0	22.19	22.02	21.89	22.5



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20	64QAM	50	24	22.17	22.02	21.88	
20	64QAM	50	50	22.13	21.98	21.83	
20	64QAM	100	0	22.08	21.94	21.81	
20	256QAM	1	0	20.11	20.20	19.84	20.5
20	256QAM	1	49	19.68	19.87	19.48	
20	256QAM	1	99	19.52	19.70	19.25	
20	256QAM	50	0	19.64	19.78	19.40	20.5
20	256QAM	50	24	19.70	19.80	19.34	
20	256QAM	50	50	19.61	19.71	19.28	
20	256QAM	100	0	19.77	19.92	19.46	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.97	24.92	24.78	25.5
15	QPSK	1	37	24.98	24.84	24.54	
15	QPSK	1	74	24.88	24.77	24.54	
15	QPSK	36	0	24.15	24.01	23.82	24.5
15	QPSK	36	20	24.15	23.90	23.71	
15	QPSK	36	39	23.97	23.90	23.74	
15	QPSK	75	0	24.09	23.84	23.76	
15	16QAM	1	0	24.37	24.23	24.17	24.5
15	16QAM	1	37	24.33	24.33	24.06	
15	16QAM	1	74	24.29	24.33	24.04	
15	16QAM	36	0	23.10	22.94	22.83	23.5
15	16QAM	36	20	23.08	22.93	22.78	
15	16QAM	36	39	23.06	22.94	22.77	
15	16QAM	75	0	23.02	22.87	22.72	
15	64QAM	1	0	23.26	23.10	23.31	23.5
15	64QAM	1	37	23.15	23.02	22.96	
15	64QAM	1	74	23.18	22.94	22.82	
15	64QAM	36	0	22.13	22.01	21.86	22.5
15	64QAM	36	20	22.10	22.03	21.91	
15	64QAM	36	39	22.14	21.97	21.79	
15	64QAM	75	0	22.02	21.94	21.79	
15	256QAM	1	0	20.32	20.14	20.10	20.5
15	256QAM	1	37	20.25	19.99	19.94	
15	256QAM	1	74	20.00	19.70	19.59	
15	256QAM	36	0	20.24	20.03	19.88	20.5
15	256QAM	36	20	20.05	19.85	19.81	
15	256QAM	36	39	19.96	19.75	19.65	
15	256QAM	75	0	20.09	19.94	19.75	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.90	24.87	24.81	25.5
10	QPSK	1	25	24.96	24.80	24.47	
10	QPSK	1	49	24.86	24.74	24.53	
10	QPSK	25	0	24.15	23.99	23.76	24.5
10	QPSK	25	12	24.15	23.84	23.71	
10	QPSK	25	25	23.95	23.87	23.75	
10	QPSK	50	0	24.08	23.78	23.70	
10	16QAM	1	0	24.37	24.23	24.18	24.5
10	16QAM	1	25	24.35	24.30	24.09	
10	16QAM	1	49	24.30	24.33	23.99	
10	16QAM	25	0	23.12	22.91	22.86	23.5
10	16QAM	25	12	23.01	22.90	22.73	
10	16QAM	25	25	23.01	22.95	22.70	
10	16QAM	50	0	23.04	22.82	22.67	



10	64QAM	1	0	23.20	23.03	23.34	23.5
10	64QAM	1	25	23.12	22.95	22.93	
10	64QAM	1	49	23.14	22.94	22.78	
10	64QAM	25	0	22.16	21.94	21.82	22.5
10	64QAM	25	12	22.04	22.06	21.94	
10	64QAM	25	25	22.08	21.97	21.76	
10	64QAM	50	0	22.00	21.91	21.73	20.5
10	256QAM	1	0	20.02	19.99	20.02	
10	256QAM	1	25	20.27	19.91	19.72	
10	256QAM	1	49	20.12	19.83	19.72	20.5
10	256QAM	25	0	20.13	20.01	19.88	
10	256QAM	25	12	20.05	19.84	19.70	
10	256QAM	25	25	19.99	19.75	19.54	20.5
10	256QAM	50	0	20.18	20.09	19.68	
Channel				133147	133297	133447	
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	25.03	24.98	24.75	25.5
5	QPSK	1	12	25.01	24.91	24.69	
5	QPSK	1	24	24.98	24.95	24.73	
5	QPSK	12	0	24.26	24.05	23.80	24.5
5	QPSK	12	7	24.28	24.04	23.81	
5	QPSK	12	13	24.26	24.02	23.81	
5	QPSK	25	0	24.19	23.94	23.74	24.5
5	16QAM	1	0	24.45	24.28	24.11	
5	16QAM	1	12	24.45	24.18	23.96	
5	16QAM	1	24	24.50	24.28	24.01	23.5
5	16QAM	12	0	23.27	23.10	22.87	
5	16QAM	12	7	23.32	23.13	22.87	
5	16QAM	12	13	23.32	23.11	22.83	23.5
5	16QAM	25	0	23.24	23.04	22.79	
5	64QAM	1	0	23.32	23.25	22.97	
5	64QAM	1	12	23.26	23.13	22.96	23.5
5	64QAM	1	24	23.45	23.25	23.00	
5	64QAM	12	0	22.27	22.09	21.87	
5	64QAM	12	7	22.32	22.15	21.88	22.5
5	64QAM	12	13	22.33	22.16	21.87	
5	64QAM	25	0	22.27	22.05	21.77	
5	256QAM	1	0	20.27	20.17	19.85	20.5
5	256QAM	1	12	20.17	19.70	19.80	
5	256QAM	1	24	20.26	19.69	19.76	
5	256QAM	12	0	20.09	20.13	19.81	20.5
5	256QAM	12	7	20.11	19.86	19.70	
5	256QAM	12	13	20.09	19.90	19.65	
5	256QAM	25	0	20.12	19.96	19.66	20.5



TDD LTE Band 38 PC3_TX 0 (Index4)

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	23.44	23.46	23.41	23.9
20	QPSK	1	49	23.29	23.19	23.09	
20	QPSK	1	99	23.35	23.21	23.15	
20	QPSK	50	0	21.43	21.26	21.16	21.9
20	QPSK	50	24	21.39	21.21	21.20	
20	QPSK	50	50	21.37	21.24	21.23	
20	QPSK	100	0	21.40	21.30	21.25	21.9
20	16QAM	1	0	21.42	21.40	21.30	
20	16QAM	1	49	21.32	21.30	21.06	
20	16QAM	1	99	21.37	21.25	21.20	20.9
20	16QAM	50	0	20.39	20.29	20.31	
20	16QAM	50	24	20.38	20.26	20.30	
20	16QAM	50	50	20.35	20.26	20.23	20.9
20	16QAM	100	0	20.41	20.30	20.29	
20	64QAM	1	0	20.40	20.08	20.11	
20	64QAM	1	49	20.16	20.02	19.78	
20	64QAM	1	99	20.23	19.89	20.04	
20	64QAM	50	0	19.39	19.31	19.30	19.9
20	64QAM	50	24	19.40	19.36	19.25	
20	64QAM	50	50	19.38	19.33	19.26	
20	64QAM	100	0	19.39	19.37	19.34	20.4
20	256QAM	1	0	20.23	20.25	20.21	
20	256QAM	1	49	20.35	20.31	20.28	
20	256QAM	1	99	20.29	20.26	20.21	19.9
20	256QAM	50	0	19.41	19.37	19.26	
20	256QAM	50	24	19.41	19.34	19.24	
20	256QAM	50	50	19.29	19.28	19.15	19.9
20	256QAM	100	0	19.35	19.35	19.26	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.35	23.29	23.40	23.9
15	QPSK	1	37	23.24	23.15	22.89	
15	QPSK	1	74	23.24	23.13	23.13	
15	QPSK	36	0	21.31	21.06	21.11	21.9
15	QPSK	36	20	21.33	21.06	21.06	
15	QPSK	36	39	21.35	21.10	21.14	
15	QPSK	75	0	21.23	21.28	21.05	21.9
15	16QAM	1	0	21.38	21.31	21.14	
15	16QAM	1	37	21.23	21.24	20.97	
15	16QAM	1	74	21.30	21.20	21.18	20.9
15	16QAM	36	0	20.33	20.10	20.25	
15	16QAM	36	20	20.34	20.25	20.19	
15	16QAM	36	39	20.21	20.08	20.04	20.9
15	16QAM	75	0	20.29	20.22	20.22	
15	64QAM	1	0	20.30	20.00	19.96	
15	64QAM	1	37	20.11	19.93	19.69	
15	64QAM	1	74	20.12	19.88	19.84	
15	64QAM	36	0	19.39	19.17	19.24	19.9
15	64QAM	36	20	19.40	19.33	19.10	
15	64QAM	36	39	19.19	19.20	19.14	



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15	64QAM	75	0	19.21	19.25	19.28	
15	256QAM	1	0	20.07	20.15	20.03	20.4
15	256QAM	1	37	20.31	20.11	20.11	
15	256QAM	1	74	20.24	20.17	20.17	
15	256QAM	36	0	19.33	19.34	19.08	19.9
15	256QAM	36	20	19.41	19.28	19.09	
15	256QAM	36	39	19.17	19.09	18.98	
15	256QAM	75	0	19.20	19.29	19.21	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.42	23.45	23.40	23.9
10	QPSK	1	25	23.16	23.14	23.09	
10	QPSK	1	49	23.23	23.02	23.12	
10	QPSK	25	0	21.41	21.14	21.11	21.9
10	QPSK	25	12	21.22	21.08	21.03	
10	QPSK	25	25	21.26	21.14	21.17	
10	QPSK	50	0	21.24	21.22	21.08	
10	16QAM	1	0	21.38	21.27	21.16	21.9
10	16QAM	1	25	21.15	21.28	20.99	
10	16QAM	1	49	21.17	21.10	21.00	
10	16QAM	25	0	20.37	20.26	20.27	20.9
10	16QAM	25	12	20.27	20.12	20.15	
10	16QAM	25	25	20.24	20.22	20.06	
10	16QAM	50	0	20.22	20.22	20.25	
10	64QAM	1	0	20.33	19.92	20.06	20.9
10	64QAM	1	25	20.12	19.87	19.76	
10	64QAM	1	49	20.05	19.70	19.91	
10	64QAM	25	0	19.28	19.17	19.20	19.9
10	64QAM	25	12	19.34	19.24	19.08	
10	64QAM	25	25	19.23	19.22	19.06	
10	64QAM	50	0	19.19	19.29	19.22	
10	256QAM	1	0	20.16	20.18	20.09	
10	256QAM	1	25	20.29	20.20	20.24	20.4
10	256QAM	1	49	20.11	20.23	20.11	
10	256QAM	25	0	19.41	19.34	19.22	
10	256QAM	25	12	19.36	19.26	19.15	19.9
10	256QAM	25	25	19.26	19.20	19.14	
10	256QAM	50	0	19.20	19.25	19.09	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.42	23.37	23.39	23.9
5	QPSK	1	12	23.15	23.00	22.89	
5	QPSK	1	24	23.24	23.11	23.11	
5	QPSK	12	0	21.38	21.23	21.14	21.9
5	QPSK	12	7	21.25	21.08	21.16	
5	QPSK	12	13	21.35	21.10	21.09	
5	QPSK	25	0	21.24	21.17	21.19	
5	16QAM	1	0	21.27	21.37	21.16	21.9
5	16QAM	1	12	21.16	21.12	20.99	
5	16QAM	1	24	21.33	21.13	21.00	
5	16QAM	12	0	20.36	20.24	20.16	20.9
5	16QAM	12	7	20.33	20.21	20.28	
5	16QAM	12	13	20.35	20.13	20.08	
5	16QAM	25	0	20.36	20.17	20.21	
5	64QAM	1	0	20.39	20.03	20.06	20.9
5	64QAM	1	12	20.01	19.90	19.74	



5	64QAM	1	24	20.15	19.85	19.88	
5	64QAM	12	0	19.23	19.22	19.23	19.9
5	64QAM	12	7	19.32	19.35	19.15	
5	64QAM	12	13	19.36	19.26	19.23	
5	64QAM	25	0	19.19	19.32	19.33	
5	256QAM	1	0	20.09	20.07	20.02	20.4
5	256QAM	1	12	20.25	20.18	20.25	
5	256QAM	1	24	20.20	20.15	20.21	
5	256QAM	12	0	19.22	19.34	19.12	19.9
5	256QAM	12	7	19.21	19.28	19.13	
5	256QAM	12	13	19.26	19.10	19.05	
5	256QAM	25	0	19.25	19.30	19.16	

TDD LTE Band 38 PC2_TX 0 (Index4)

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	24.84	24.87	24.80	25.4
20	QPSK	1	49	24.74	24.65	24.57	
20	QPSK	1	99	24.78	24.67	24.68	
20	QPSK	50	0	24.37	24.29	24.23	24.9
20	QPSK	50	24	24.29	24.27	24.20	
20	QPSK	50	50	24.33	24.25	24.23	
20	QPSK	100	0	24.30	24.22	24.25	24.9
20	16QAM	1	0	24.85	24.47	24.49	
20	16QAM	1	49	24.61	24.52	24.47	
20	16QAM	1	99	24.66	24.64	24.63	23.9
20	16QAM	50	0	23.29	23.25	23.22	
20	16QAM	50	24	23.27	23.18	23.16	
20	16QAM	50	50	23.25	23.19	23.18	23.9
20	16QAM	100	0	23.25	23.21	23.23	
20	64QAM	1	0	23.34	23.15	23.15	
20	64QAM	1	49	23.17	23.07	23.08	23.9
20	64QAM	1	99	23.22	23.15	23.15	
20	64QAM	50	0	22.28	22.22	22.17	
20	64QAM	50	24	22.40	22.31	22.19	22.9
20	64QAM	50	50	22.26	22.31	22.24	
20	64QAM	100	0	22.34	22.27	22.24	
20	256QAM	1	0	23.12	23.37	23.11	23.9
20	256QAM	1	49	23.54	23.11	23.30	
20	256QAM	1	99	23.25	23.47	23.05	
20	256QAM	50	0	22.22	22.04	22.23	22.9
20	256QAM	50	24	22.60	22.27	22.21	
20	256QAM	50	50	22.10	22.28	22.24	
20	256QAM	100	0	22.33	22.19	22.06	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.82	24.86	24.76	25.4
15	QPSK	1	37	24.68	24.54	24.57	
15	QPSK	1	74	24.77	24.47	24.68	
15	QPSK	36	0	24.27	24.09	24.18	24.9
15	QPSK	36	20	24.21	24.18	24.18	
15	QPSK	36	39	24.21	24.18	24.19	
15	QPSK	75	0	24.29	24.13	24.22	



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15	16QAM	1	0	24.71	24.32	24.36	24.9
15	16QAM	1	37	24.49	24.48	24.28	
15	16QAM	1	74	24.56	24.64	24.52	
15	16QAM	36	0	23.11	23.11	23.05	23.9
15	16QAM	36	20	23.13	22.99	23.12	
15	16QAM	36	39	23.21	23.11	23.17	
15	16QAM	75	0	23.18	23.07	23.15	23.9
15	64QAM	1	0	23.17	23.08	23.05	
15	64QAM	1	37	23.14	22.94	22.89	
15	64QAM	1	74	23.13	23.07	22.97	22.9
15	64QAM	36	0	22.15	22.18	22.05	
15	64QAM	36	20	22.24	22.11	22.17	
15	64QAM	36	39	22.16	22.30	22.14	23.9
15	64QAM	75	0	22.14	22.11	22.16	
15	256QAM	1	0	23.05	23.22	23.11	
15	256QAM	1	37	23.36	22.94	23.11	22.9
15	256QAM	1	74	23.09	23.44	22.86	
15	256QAM	36	0	22.06	21.92	22.05	
15	256QAM	36	20	22.47	22.27	22.10	22.9
15	256QAM	36	39	22.10	22.20	22.21	
15	256QAM	75	0	22.32	22.12	22.06	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.77	24.84	24.62	25.4
10	QPSK	1	25	24.57	24.51	24.46	
10	QPSK	1	49	24.78	24.52	24.56	
10	QPSK	25	0	24.21	24.14	24.14	24.9
10	QPSK	25	12	24.29	24.13	24.06	
10	QPSK	25	25	24.17	24.22	24.23	
10	QPSK	50	0	24.22	24.11	24.20	24.9
10	16QAM	1	0	24.82	24.31	24.41	
10	16QAM	1	25	24.50	24.48	24.33	
10	16QAM	1	49	24.57	24.60	24.50	23.9
10	16QAM	25	0	23.23	23.12	23.20	
10	16QAM	25	12	23.17	23.01	23.10	
10	16QAM	25	25	23.24	23.14	23.16	23.9
10	16QAM	50	0	23.21	23.06	23.11	
10	64QAM	1	0	23.18	22.98	23.12	
10	64QAM	1	25	23.05	22.91	23.03	23.9
10	64QAM	1	49	23.04	23.05	22.97	
10	64QAM	25	0	22.27	22.15	22.07	
10	64QAM	25	12	22.38	22.20	22.09	22.9
10	64QAM	25	25	22.11	22.16	22.07	
10	64QAM	50	0	22.33	22.24	22.08	
10	256QAM	1	0	23.04	23.27	23.03	23.9
10	256QAM	1	25	23.42	22.93	23.24	
10	256QAM	1	49	23.17	23.27	22.93	
10	256QAM	25	0	22.09	21.92	22.22	22.9
10	256QAM	25	12	22.49	22.10	22.21	
10	256QAM	25	25	22.06	22.09	22.20	
10	256QAM	50	0	22.27	22.08	21.94	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.79	24.68	24.75	25.4
5	QPSK	1	12	24.74	24.53	24.50	
5	QPSK	1	24	24.64	24.50	24.67	



5	QPSK	12	0	24.31	24.28	24.18	24.9
5	QPSK	12	7	24.26	24.12	24.19	
5	QPSK	12	13	24.33	24.08	24.03	
5	QPSK	25	0	24.22	24.03	24.14	24.9
5	16QAM	1	0	24.75	24.38	24.36	
5	16QAM	1	12	24.52	24.49	24.37	
5	16QAM	1	24	24.59	24.59	24.56	23.9
5	16QAM	12	0	23.26	23.09	23.06	
5	16QAM	12	7	23.26	23.10	23.00	
5	16QAM	12	13	23.05	23.18	23.13	
5	16QAM	25	0	23.08	23.04	23.08	23.9
5	64QAM	1	0	23.22	23.03	23.07	
5	64QAM	1	12	22.99	22.94	22.89	
5	64QAM	1	24	23.13	22.99	22.96	22.9
5	64QAM	12	0	22.27	22.04	22.12	
5	64QAM	12	7	22.28	22.17	22.09	
5	64QAM	12	13	22.13	22.16	22.07	
5	64QAM	25	0	22.32	22.25	22.14	23.9
5	256QAM	1	0	22.92	23.30	23.07	
5	256QAM	1	12	23.37	22.94	23.28	
5	256QAM	1	24	23.25	23.30	22.94	22.9
5	256QAM	12	0	22.17	21.84	22.08	
5	256QAM	12	7	22.50	22.14	22.03	
5	256QAM	12	13	22.10	22.14	22.22	
5	256QAM	25	0	22.24	22.01	22.01	

TDD LTE Band 38 PC3_TX 1 (Index4)

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	22.04	22.09	22.05	22.8
20	QPSK	1	49	21.93	21.93	21.89	
20	QPSK	1	99	22.03	22.06	22.03	
20	QPSK	50	0	20.08	20.15	20.11	21.2
20	QPSK	50	24	20.11	20.12	20.08	
20	QPSK	50	50	20.08	20.06	19.99	
20	QPSK	100	0	20.10	20.10	20.06	21.2
20	16QAM	1	0	19.98	20.13	20.12	
20	16QAM	1	49	19.83	19.94	19.91	
20	16QAM	1	99	20.09	20.11	19.98	20.2
20	16QAM	50	0	19.10	19.09	19.03	
20	16QAM	50	24	19.04	19.04	19.00	
20	16QAM	50	50	19.07	19.04	18.99	20.5
20	16QAM	100	0	19.10	19.12	19.05	
20	64QAM	1	0	18.82	18.87	18.77	
20	64QAM	1	49	18.74	18.65	18.58	19.7
20	64QAM	1	99	18.78	18.78	18.71	
20	64QAM	50	0	18.08	18.09	18.05	
20	64QAM	50	24	18.06	18.06	18.01	20.5
20	64QAM	50	50	18.08	18.03	17.98	
20	64QAM	100	0	18.09	18.08	18.01	
20	256QAM	1	0	19.08	18.99	19.03	20.5
20	256QAM	1	49	19.02	19.01	19.07	
20	256QAM	1	99	19.11	19.10	19.04	