



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	16.51	16.65	16.56	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.83	16.89	16.95	18.5
10	QPSK	1	25	16.74	16.83	16.87	
10	QPSK	1	49	16.71	16.81	16.81	
10	QPSK	25	0	16.53	16.55	16.62	18.5
10	QPSK	25	12	16.50	16.59	16.51	
10	QPSK	25	25	16.51	16.51	16.53	
10	QPSK	50	0	16.62	16.61	16.59	18.5
10	16QAM	1	0	16.60	16.51	16.60	
10	16QAM	1	25	16.55	16.52	16.55	
10	16QAM	1	49	16.52	16.51	16.56	18.5
10	16QAM	25	0	16.61	16.61	16.60	
10	16QAM	25	12	16.56	16.54	16.52	
10	16QAM	25	25	16.51	16.53	16.53	18.5
10	16QAM	50	0	16.52	16.50	16.58	
10	64QAM	1	0	16.67	16.77	16.84	
10	64QAM	1	25	16.70	16.88	16.84	18.5
10	64QAM	1	49	16.73	16.69	16.68	
10	64QAM	25	0	16.52	16.56	16.59	
10	64QAM	25	12	16.51	16.62	16.63	18.5
10	64QAM	25	25	16.50	16.54	16.52	
10	64QAM	50	0	16.58	16.58	16.59	
10	256QAM	1	0	16.61	16.77	16.72	18.5
10	256QAM	1	25	16.68	16.77	16.74	
10	256QAM	1	49	16.65	16.68	16.67	
10	256QAM	25	0	16.62	16.54	16.59	18.5
10	256QAM	25	12	16.60	16.53	16.53	
10	256QAM	25	25	16.55	16.52	16.52	
10	256QAM	50	0	16.51	16.57	16.56	Tune-up limit (dBm)
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.84	16.91	16.88	18.5
5	QPSK	1	12	16.75	16.72	16.81	
5	QPSK	1	24	16.72	16.81	16.82	
5	QPSK	12	0	16.56	16.55	16.51	18.5
5	QPSK	12	7	16.54	16.50	16.52	
5	QPSK	12	13	16.52	16.53	16.53	
5	QPSK	25	0	16.51	16.54	16.51	18.5
5	16QAM	1	0	16.53	16.52	16.56	
5	16QAM	1	12	16.50	16.56	16.52	
5	16QAM	1	24	16.54	16.52	16.50	18.5
5	16QAM	12	0	16.53	16.66	16.50	
5	16QAM	12	7	16.51	16.54	16.53	
5	16QAM	12	13	16.55	16.53	16.50	18.5
5	16QAM	25	0	16.53	16.52	16.56	
5	64QAM	1	0	16.68	16.74	16.81	
5	64QAM	1	12	16.79	16.83	16.79	18.5
5	64QAM	1	24	16.76	16.71	16.66	
5	64QAM	12	0	16.53	16.60	16.65	
5	64QAM	12	7	16.52	16.50	16.60	18.5
5	64QAM	12	13	16.51	16.55	16.57	
5	64QAM	25	0	16.52	16.55	16.52	
5	256QAM	1	0	16.69	16.78	16.79	18.5
5	256QAM	1	12	16.74	16.79	16.72	
5	256QAM	1	24	16.72	16.62	16.68	
5	256QAM	12	0	16.54	16.55	16.57	18.5
5	256QAM	12	7	16.53	16.53	16.53	
5	256QAM	12	13	16.52	16.54	16.50	
5	256QAM	25	0	16.50	16.55	16.52	18.5
5	256QAM	25	0	16.50	16.55	16.52	
5	256QAM	25	0	16.50	16.55	16.52	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.82	22.97	23.07	
20	QPSK	1	49	22.61	22.53	22.61	24
20	QPSK	1	99	22.55	22.47	22.53	
20	QPSK	50	0	22.72	22.58	22.73	
20	QPSK	50	24	22.68	22.54	22.57	24
20	QPSK	50	50	22.63	22.50	22.56	
20	QPSK	100	0	22.62	22.56	22.69	
20	16QAM	1	0	22.76	22.67	22.60	24
20	16QAM	1	49	22.86	22.74	22.91	
20	16QAM	1	99	22.86	22.69	22.76	
20	16QAM	50	0	22.34	22.22	22.16	23
20	16QAM	50	24	22.31	22.16	22.15	
20	16QAM	50	50	22.22	22.09	22.17	
20	16QAM	100	0	22.32	22.19	22.17	23
20	64QAM	1	0	22.59	22.52	22.39	
20	64QAM	1	49	22.52	22.36	22.35	
20	64QAM	1	99	22.38	22.25	22.40	22
20	64QAM	50	0	21.35	21.24	21.16	
20	64QAM	50	24	21.33	21.17	21.18	
20	64QAM	50	50	21.30	21.16	21.14	20
20	64QAM	100	0	21.26	21.17	21.18	
20	256QAM	1	0	19.18	19.38	19.19	
20	256QAM	1	49	19.11	19.26	19.15	20
20	256QAM	1	99	19.04	19.18	19.08	
20	256QAM	50	0	18.99	19.17	19.02	
20	256QAM	50	24	18.92	19.12	18.99	20
20	256QAM	50	50	18.94	19.06	18.89	
20	256QAM	100	0	18.93	19.11	18.98	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.89	22.77	22.72	
15	QPSK	1	37	22.49	22.37	22.45	24
15	QPSK	1	74	22.36	22.37	22.35	
15	QPSK	36	0	22.56	22.45	22.48	24
15	QPSK	36	20	22.56	22.42	22.41	
15	QPSK	36	39	22.53	22.35	22.44	
15	QPSK	75	0	22.61	22.46	22.44	24
15	16QAM	1	0	22.65	22.51	22.43	
15	16QAM	1	37	22.75	22.56	22.75	
15	16QAM	1	74	22.70	22.49	22.64	23
15	16QAM	36	0	22.15	22.12	22.04	
15	16QAM	36	20	22.18	22.05	22.02	
15	16QAM	36	39	22.08	21.98	22.00	23
15	16QAM	75	0	22.17	22.09	22.07	
15	64QAM	1	0	22.47	22.38	22.19	
15	64QAM	1	37	22.39	22.20	22.25	22
15	64QAM	1	74	22.24	22.08	22.29	
15	64QAM	36	0	21.21	21.13	20.98	
15	64QAM	36	20	21.19	21.07	20.98	20
15	64QAM	36	39	21.17	20.98	20.99	
15	64QAM	75	0	21.13	20.97	20.98	
15	256QAM	1	0	18.98	19.25	19.04	20
15	256QAM	1	37	18.99	19.16	18.95	
15	256QAM	1	74	18.91	19.00	18.90	
15	256QAM	36	0	18.83	19.02	18.89	20
15	256QAM	36	20	18.77	18.94	18.85	
15	256QAM	36	39	18.84	18.88	18.74	



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	18.81	18.97	18.81	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.95	22.78	22.71	24
10	QPSK	1	25	22.46	22.41	22.45	
10	QPSK	1	49	22.44	22.37	22.33	
10	QPSK	25	0	22.61	22.42	22.43	24
10	QPSK	25	12	22.52	22.35	22.45	
10	QPSK	25	25	22.43	22.34	22.43	
10	QPSK	50	0	22.61	22.36	22.37	24
10	16QAM	1	0	22.64	22.57	22.49	
10	16QAM	1	25	22.69	22.60	22.71	
10	16QAM	1	49	22.76	22.51	22.59	23
10	16QAM	25	0	22.17	22.04	22.02	
10	16QAM	25	12	22.17	22.03	21.97	
10	16QAM	25	25	22.06	21.89	22.05	23
10	16QAM	50	0	22.21	22.01	22.04	
10	64QAM	1	0	22.49	22.40	22.22	
10	64QAM	1	25	22.35	22.20	22.24	23
10	64QAM	1	49	22.22	22.11	22.29	
10	64QAM	25	0	21.24	21.05	21.05	
10	64QAM	25	12	21.23	21.05	21.03	22
10	64QAM	25	25	21.15	21.03	20.96	
10	64QAM	50	0	21.12	20.97	20.98	
10	256QAM	1	0	18.98	19.27	19.08	20
10	256QAM	1	25	18.97	19.13	18.95	
10	256QAM	1	49	18.85	19.04	18.91	
10	256QAM	25	0	18.87	19.04	18.83	20
10	256QAM	25	12	18.81	18.94	18.87	
10	256QAM	25	25	18.81	18.87	18.73	
10	256QAM	50	0	18.76	18.97	18.88	Tune-up limit (dBm)
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.94	22.80	22.64	24
5	QPSK	1	12	22.47	22.42	22.43	
5	QPSK	1	24	22.36	22.28	22.34	
5	QPSK	12	0	22.53	22.43	22.45	24
5	QPSK	12	7	22.53	22.36	22.40	
5	QPSK	12	13	22.48	22.36	22.39	
5	QPSK	25	0	22.59	22.43	22.37	24
5	16QAM	1	0	22.60	22.57	22.45	
5	16QAM	1	12	22.74	22.57	22.81	
5	16QAM	1	24	22.70	22.51	22.57	23
5	16QAM	12	0	22.17	22.12	22.03	
5	16QAM	12	7	22.19	21.96	22.02	
5	16QAM	12	13	22.11	21.90	22.03	23
5	16QAM	25	0	22.20	22.09	22.05	
5	64QAM	1	0	22.49	22.35	22.29	
5	64QAM	1	12	22.32	22.17	22.16	22
5	64QAM	1	24	22.23	22.15	22.27	
5	64QAM	12	0	21.15	21.14	21.05	
5	64QAM	12	7	21.16	21.01	21.07	20
5	64QAM	12	13	21.10	20.98	20.97	
5	64QAM	25	0	21.07	20.99	21.08	
5	256QAM	1	0	19.04	19.22	19.00	20
5	256QAM	1	12	19.01	19.10	18.99	
5	256QAM	1	24	18.86	19.07	18.93	
5	256QAM	12	0	18.85	18.98	18.86	20
5	256QAM	12	7	18.73	19.01	18.89	
5	256QAM	12	13	18.84	18.86	18.75	
5	256QAM	25	0	18.75	19.01	18.86	



<LTE Band 7_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	17.10	17.08	16.92	
20	QPSK	1	49	16.89	17.04	16.82	17.8
20	QPSK	1	99	16.87	17.03	16.73	
20	QPSK	50	0	16.81	16.80	16.74	
20	QPSK	50	24	16.61	16.78	16.69	17.8
20	QPSK	50	50	16.59	16.78	16.61	
20	QPSK	100	0	16.60	16.80	16.71	
20	16QAM	1	0	16.62	16.78	16.77	17.8
20	16QAM	1	49	16.39	16.55	16.47	
20	16QAM	1	99	16.63	16.74	16.60	
20	16QAM	50	0	16.61	16.80	16.74	17.8
20	16QAM	50	24	16.61	16.78	16.71	
20	16QAM	50	50	16.65	16.77	16.70	
20	16QAM	100	0	16.64	16.67	16.76	17.8
20	64QAM	1	0	16.86	17.06	16.98	
20	64QAM	1	49	16.90	17.07	16.96	
20	64QAM	1	99	16.89	16.93	16.87	17.8
20	64QAM	50	0	16.68	16.84	16.79	
20	64QAM	50	24	16.65	16.82	16.75	
20	64QAM	50	50	16.66	16.78	16.72	17.8
20	64QAM	100	0	16.68	16.83	16.73	
20	256QAM	1	0	16.63	16.87	16.75	
20	256QAM	1	49	16.70	16.86	16.75	17.8
20	256QAM	1	99	16.69	16.78	16.62	
20	256QAM	50	0	16.44	16.62	16.56	
20	256QAM	50	24	16.48	16.59	16.60	17.8
20	256QAM	50	50	16.45	16.53	16.53	
20	256QAM	100	0	16.50	16.65	16.52	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.91	16.99	17.00	
15	QPSK	1	37	16.78	16.84	16.80	17.8
15	QPSK	1	74	16.74	16.89	16.84	
15	QPSK	36	0	16.50	16.68	16.60	
15	QPSK	36	20	16.49	16.68	16.51	17.8
15	QPSK	36	39	16.43	16.68	16.48	
15	QPSK	75	0	16.49	16.67	16.60	
15	16QAM	1	0	16.51	16.68	16.64	17.8
15	16QAM	1	37	16.24	16.40	16.32	
15	16QAM	1	74	16.44	16.55	16.49	
15	16QAM	36	0	16.50	16.68	16.62	17.8
15	16QAM	36	20	16.45	16.61	16.59	
15	16QAM	36	39	16.53	16.66	16.58	
15	16QAM	75	0	16.52	16.51	16.59	17.8
15	64QAM	1	0	16.70	16.93	16.86	
15	64QAM	1	37	16.80	16.87	16.86	
15	64QAM	1	74	16.77	16.79	16.68	17.8
15	64QAM	36	0	16.50	16.69	16.63	
15	64QAM	36	20	16.47	16.62	16.55	
15	64QAM	36	39	16.46	16.61	16.57	17.8
15	64QAM	75	0	16.54	16.71	16.62	
15	256QAM	1	0	16.68	16.82	16.76	
15	256QAM	1	37	16.71	16.92	16.71	17.8
15	256QAM	1	74	16.67	16.68	16.68	
15	256QAM	36	0	16.46	16.61	16.62	
15	256QAM	36	20	16.45	16.62	16.55	17.8
15	256QAM	36	39	16.48	16.58	16.49	



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	16.51	16.65	16.56	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.83	16.89	16.95	17.8
10	QPSK	1	25	16.74	16.83	16.87	
10	QPSK	1	49	16.71	16.81	16.81	
10	QPSK	25	0	16.46	16.55	16.62	17.8
10	QPSK	25	12	16.48	16.59	16.51	
10	QPSK	25	25	16.49	16.51	16.48	
10	QPSK	50	0	16.40	16.61	16.59	17.8
10	16QAM	1	0	16.52	16.51	16.60	
10	16QAM	1	25	16.25	16.28	16.27	
10	16QAM	1	49	16.44	16.51	16.38	17.8
10	16QAM	25	0	16.43	16.61	16.60	
10	16QAM	25	12	16.44	16.54	16.52	
10	16QAM	25	25	16.51	16.48	16.48	17.8
10	16QAM	50	0	16.49	16.46	16.58	
10	64QAM	1	0	16.67	16.77	16.84	
10	64QAM	1	25	16.70	16.88	16.84	17.8
10	64QAM	1	49	16.73	16.69	16.68	
10	64QAM	25	0	16.52	16.56	16.59	
10	64QAM	25	12	16.51	16.62	16.63	17.8
10	64QAM	25	25	16.47	16.54	16.52	
10	64QAM	50	0	16.58	16.58	16.59	
10	256QAM	1	0	16.61	16.77	16.72	17.8
10	256QAM	1	25	16.68	16.77	16.74	
10	256QAM	1	49	16.65	16.68	16.67	
10	256QAM	25	0	16.49	16.54	16.59	17.8
10	256QAM	25	12	16.48	16.53	16.48	
10	256QAM	25	25	16.47	16.49	16.49	
10	256QAM	50	0	16.51	16.57	16.56	Tune-up limit (dBm)
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.84	16.91	16.88	17.8
5	QPSK	1	12	16.75	16.72	16.81	
5	QPSK	1	24	16.72	16.81	16.82	
5	QPSK	12	0	16.42	16.55	16.51	17.8
5	QPSK	12	7	16.48	16.50	16.52	
5	QPSK	12	13	16.43	16.48	16.47	
5	QPSK	25	0	16.51	16.54	16.51	17.8
5	16QAM	1	0	16.53	16.52	16.56	
5	16QAM	1	12	16.20	16.30	16.24	
5	16QAM	1	24	16.49	16.46	16.46	17.8
5	16QAM	12	0	16.43	16.48	16.50	
5	16QAM	12	7	16.51	16.49	16.49	
5	16QAM	12	13	16.55	16.47	16.50	17.8
5	16QAM	25	0	16.53	16.42	16.56	
5	64QAM	1	0	16.68	16.74	16.81	
5	64QAM	1	12	16.79	16.83	16.79	17.8
5	64QAM	1	24	16.76	16.71	16.66	
5	64QAM	12	0	16.53	16.60	16.65	
5	64QAM	12	7	16.52	16.50	16.60	17.8
5	64QAM	12	13	16.47	16.55	16.57	
5	64QAM	25	0	16.52	16.55	16.49	
5	256QAM	1	0	16.69	16.78	16.79	17.8
5	256QAM	1	12	16.74	16.79	16.72	
5	256QAM	1	24	16.72	16.62	16.68	
5	256QAM	12	0	16.54	16.55	16.57	17.8
5	256QAM	12	7	16.42	16.47	16.53	
5	256QAM	12	13	16.48	16.42	16.50	
5	256QAM	25	0	16.52	16.47	16.48	



<LTE Band 7_Ant 1_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.82	22.97	23.07	
20	QPSK	1	49	22.61	22.53	22.61	23.3
20	QPSK	1	99	22.55	22.47	22.53	
20	QPSK	50	0	22.72	22.58	22.73	
20	QPSK	50	24	22.68	22.54	22.57	23.3
20	QPSK	50	50	22.63	22.50	22.56	
20	QPSK	100	0	22.62	22.56	22.69	
20	16QAM	1	0	22.76	22.67	22.60	23.3
20	16QAM	1	49	22.86	22.74	22.91	
20	16QAM	1	99	22.86	22.69	22.76	
20	16QAM	50	0	22.34	22.22	22.16	23.1
20	16QAM	50	24	22.31	22.16	22.15	
20	16QAM	50	50	22.22	22.09	22.17	
20	16QAM	100	0	22.32	22.19	22.17	23.1
20	64QAM	1	0	22.59	22.52	22.39	
20	64QAM	1	49	22.52	22.36	22.35	
20	64QAM	1	99	22.38	22.25	22.40	22.1
20	64QAM	50	0	21.35	21.24	21.16	
20	64QAM	50	24	21.33	21.17	21.18	
20	64QAM	50	50	21.30	21.16	21.14	20.1
20	64QAM	100	0	21.26	21.17	21.18	
20	256QAM	1	0	19.18	19.38	19.19	
20	256QAM	1	49	19.11	19.26	19.15	20.1
20	256QAM	1	99	19.04	19.18	19.08	
20	256QAM	50	0	18.99	19.17	19.02	
20	256QAM	50	24	18.92	19.12	18.99	20.1
20	256QAM	50	50	18.94	19.06	18.89	
20	256QAM	100	0	18.93	19.11	18.98	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.89	22.77	22.72	
15	QPSK	1	37	22.49	22.37	22.45	23.3
15	QPSK	1	74	22.36	22.37	22.35	
15	QPSK	36	0	22.56	22.45	22.48	23.3
15	QPSK	36	20	22.56	22.42	22.41	
15	QPSK	36	39	22.53	22.35	22.44	
15	QPSK	75	0	22.61	22.46	22.44	23.3
15	16QAM	1	0	22.65	22.51	22.43	
15	16QAM	1	37	22.75	22.56	22.75	
15	16QAM	1	74	22.70	22.49	22.64	23.1
15	16QAM	36	0	22.15	22.12	22.04	
15	16QAM	36	20	22.18	22.05	22.02	
15	16QAM	36	39	22.08	21.98	22.00	23.1
15	16QAM	75	0	22.17	22.09	22.07	
15	64QAM	1	0	22.47	22.38	22.19	
15	64QAM	1	37	22.39	22.20	22.25	22.1
15	64QAM	1	74	22.24	22.08	22.29	
15	64QAM	36	0	21.21	21.13	20.98	
15	64QAM	36	20	21.19	21.07	20.98	20.1
15	64QAM	36	39	21.17	20.98	20.99	
15	64QAM	75	0	21.13	20.97	20.98	
15	256QAM	1	0	18.98	19.25	19.04	20.1
15	256QAM	1	37	18.99	19.16	18.95	
15	256QAM	1	74	18.91	19.00	18.90	
15	256QAM	36	0	18.83	19.02	18.89	20.1
15	256QAM	36	20	18.77	18.94	18.85	
15	256QAM	36	39	18.84	18.88	18.74	



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	18.81	18.97	18.81	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.95	22.78	22.71	23.3
10	QPSK	1	25	22.46	22.41	22.45	
10	QPSK	1	49	22.44	22.37	22.33	
10	QPSK	25	0	22.61	22.42	22.43	23.3
10	QPSK	25	12	22.52	22.35	22.45	
10	QPSK	25	25	22.43	22.34	22.43	
10	QPSK	50	0	22.61	22.36	22.37	23.3
10	16QAM	1	0	22.64	22.57	22.49	
10	16QAM	1	25	22.69	22.60	22.71	
10	16QAM	1	49	22.76	22.51	22.59	23.1
10	16QAM	25	0	22.17	22.04	22.02	
10	16QAM	25	12	22.17	22.03	21.97	
10	16QAM	25	25	22.06	21.89	22.05	23.1
10	16QAM	50	0	22.21	22.01	22.04	
10	64QAM	1	0	22.49	22.40	22.22	
10	64QAM	1	25	22.35	22.20	22.24	22.1
10	64QAM	1	49	22.22	22.11	22.29	
10	64QAM	25	0	21.24	21.05	21.05	
10	64QAM	25	12	21.23	21.05	21.03	20.1
10	64QAM	25	25	21.15	21.03	20.96	
10	64QAM	50	0	21.12	20.97	20.98	
10	256QAM	1	0	18.98	19.27	19.08	20.1
10	256QAM	1	25	18.97	19.13	18.95	
10	256QAM	1	49	18.85	19.04	18.91	
10	256QAM	25	0	18.87	19.04	18.83	20.1
10	256QAM	25	12	18.81	18.94	18.87	
10	256QAM	25	25	18.81	18.87	18.73	
10	256QAM	50	0	18.76	18.97	18.88	Tune-up limit (dBm)
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.94	22.80	22.64	23.3
5	QPSK	1	12	22.47	22.42	22.43	
5	QPSK	1	24	22.36	22.28	22.34	
5	QPSK	12	0	22.53	22.43	22.45	23.3
5	QPSK	12	7	22.53	22.36	22.40	
5	QPSK	12	13	22.48	22.36	22.39	
5	QPSK	25	0	22.59	22.43	22.37	23.3
5	16QAM	1	0	22.60	22.57	22.45	
5	16QAM	1	12	22.74	22.57	22.81	
5	16QAM	1	24	22.70	22.51	22.57	23.1
5	16QAM	12	0	22.17	22.12	22.03	
5	16QAM	12	7	22.19	21.96	22.02	
5	16QAM	12	13	22.11	21.90	22.03	23.1
5	16QAM	25	0	22.20	22.09	22.05	
5	64QAM	1	0	22.49	22.35	22.29	
5	64QAM	1	12	22.32	22.17	22.16	22.1
5	64QAM	1	24	22.23	22.15	22.27	
5	64QAM	12	0	21.15	21.14	21.05	
5	64QAM	12	7	21.16	21.01	21.07	20.1
5	64QAM	12	13	21.10	20.98	20.97	
5	64QAM	25	0	21.07	20.99	21.08	
5	256QAM	1	0	19.04	19.22	19.00	20.1
5	256QAM	1	12	19.01	19.10	18.99	
5	256QAM	1	24	18.86	19.07	18.93	
5	256QAM	12	0	18.85	18.98	18.86	20.1
5	256QAM	12	7	18.73	19.01	18.89	
5	256QAM	12	13	18.84	18.86	18.75	
5	256QAM	25	0	18.75	19.01	18.86	



<LTE Band 7_Ant 2_Index 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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	24.03	24.17	24.29	
20	QPSK	1	49	23.93	24.04	24.06	25
20	QPSK	1	99	24.08	24.17	24.19	
20	QPSK	50	0	23.11	23.23	23.24	
20	QPSK	50	24	23.05	23.17	23.21	24
20	QPSK	50	50	23.04	23.22	23.19	
20	QPSK	100	0	23.13	23.21	23.22	
20	16QAM	1	0	23.34	23.39	23.58	24
20	16QAM	1	49	23.38	23.51	23.57	
20	16QAM	1	99	23.38	23.58	23.45	
20	16QAM	50	0	22.09	22.23	22.26	23
20	16QAM	50	24	22.09	22.23	22.24	
20	16QAM	50	50	22.09	22.19	22.22	
20	16QAM	100	0	22.09	22.21	22.30	23
20	64QAM	1	0	22.28	22.48	22.53	
20	64QAM	1	49	22.12	22.23	22.25	
20	64QAM	1	99	22.25	22.26	22.31	22
20	64QAM	50	0	21.09	21.23	21.20	
20	64QAM	50	24	21.09	21.16	21.22	
20	64QAM	50	50	21.04	21.18	21.17	20
20	64QAM	100	0	21.04	21.13	21.15	
20	256QAM	1	0	19.17	19.42	19.46	
20	256QAM	1	49	18.84	19.12	19.07	20
20	256QAM	1	99	19.01	19.26	19.29	
20	256QAM	50	0	18.85	19.20	19.19	20
20	256QAM	50	24	18.92	19.24	19.24	
20	256QAM	50	50	18.86	19.18	19.13	
20	256QAM	100	0	18.86	19.20	19.21	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.94	24.05	24.13	
15	QPSK	1	37	23.74	23.92	23.99	25
15	QPSK	1	74	23.96	23.99	24.02	
15	QPSK	36	0	23.07	23.17	23.14	24
15	QPSK	36	20	22.96	23.05	23.16	
15	QPSK	36	39	22.89	23.08	23.15	
15	QPSK	75	0	23.00	23.11	23.10	24
15	16QAM	1	0	23.21	23.33	23.51	
15	16QAM	1	37	23.19	23.37	23.40	
15	16QAM	1	74	23.18	23.58	23.34	23
15	16QAM	36	0	22.02	22.05	22.14	
15	16QAM	36	20	22.06	22.05	22.18	
15	16QAM	36	39	22.02	22.07	22.14	23
15	16QAM	75	0	21.90	22.09	22.26	
15	64QAM	1	0	22.14	22.37	22.43	
15	64QAM	1	37	21.97	22.06	22.24	22
15	64QAM	1	74	22.11	22.20	22.14	
15	64QAM	36	0	20.94	21.13	21.08	
15	64QAM	36	20	20.97	21.05	21.10	20
15	64QAM	36	39	20.95	20.99	21.02	
15	64QAM	75	0	20.96	20.97	21.03	
15	256QAM	1	0	19.02	19.29	19.33	20
15	256QAM	1	37	18.75	18.98	19.06	
15	256QAM	1	74	19.00	19.16	19.29	
15	256QAM	36	0	18.79	19.16	19.11	20
15	256QAM	36	20	18.77	19.12	19.10	
15	256QAM	36	39	18.70	19.17	19.09	



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	18.77	19.05	19.08	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	24.03	23.98	24.19	25
10	QPSK	1	25	23.89	23.87	23.99	
10	QPSK	1	49	24.00	23.99	24.00	
10	QPSK	25	0	23.02	23.18	23.06	24
10	QPSK	25	12	22.90	22.99	23.21	
10	QPSK	25	25	22.99	23.19	23.08	
10	QPSK	50	0	22.99	23.04	23.19	24
10	16QAM	1	0	23.27	23.22	23.38	
10	16QAM	1	25	23.27	23.40	23.54	
10	16QAM	1	49	23.32	23.55	23.42	23
10	16QAM	25	0	22.04	22.13	22.15	
10	16QAM	25	12	22.08	22.21	22.07	
10	16QAM	25	25	22.00	22.19	22.03	23
10	16QAM	50	0	22.01	22.09	22.18	
10	64QAM	1	0	22.14	22.45	22.34	
10	64QAM	1	25	22.10	22.13	22.20	23
10	64QAM	1	49	22.11	22.18	22.17	
10	64QAM	25	0	21.02	21.08	21.13	22
10	64QAM	25	12	20.94	21.10	21.18	
10	64QAM	25	25	20.92	21.02	21.17	
10	64QAM	50	0	20.86	21.06	21.04	20
10	256QAM	1	0	19.09	19.28	19.43	
10	256QAM	1	25	18.83	19.12	18.97	
10	256QAM	1	49	18.89	19.17	19.25	20
10	256QAM	25	0	18.72	19.19	18.99	
10	256QAM	25	12	18.75	19.21	19.19	
10	256QAM	25	25	18.70	19.05	19.00	20
10	256QAM	50	0	18.68	19.10	19.09	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.87	23.99	24.09	25
5	QPSK	1	12	23.88	24.03	23.94	
5	QPSK	1	24	23.99	24.15	24.10	
5	QPSK	12	0	22.91	23.23	23.20	24
5	QPSK	12	7	23.05	23.03	23.02	
5	QPSK	12	13	22.90	23.20	23.19	
5	QPSK	25	0	22.98	23.01	23.05	24
5	16QAM	1	0	23.27	23.32	23.39	
5	16QAM	1	12	23.19	23.31	23.45	
5	16QAM	1	24	23.19	23.38	23.43	23
5	16QAM	12	0	22.03	22.03	22.25	
5	16QAM	12	7	21.90	22.03	22.23	
5	16QAM	12	13	21.91	22.07	22.21	23
5	16QAM	25	0	22.06	22.19	22.24	
5	64QAM	1	0	22.09	22.31	22.34	
5	64QAM	1	12	22.00	22.13	22.25	22
5	64QAM	1	24	22.16	22.23	22.29	
5	64QAM	12	0	20.95	21.15	21.05	
5	64QAM	12	7	21.01	21.12	21.06	20
5	64QAM	12	13	20.85	21.10	21.06	
5	64QAM	25	0	20.88	21.09	21.11	
5	256QAM	1	0	19.07	19.24	19.37	20
5	256QAM	1	12	18.66	19.00	19.05	
5	256QAM	1	24	18.88	19.12	19.11	
5	256QAM	12	0	18.69	19.05	19.09	20
5	256QAM	12	7	18.92	19.10	19.10	
5	256QAM	12	13	18.82	18.99	18.99	
5	256QAM	25	0	18.78	19.04	19.11	



<LTE Band 7_Ant 1_Index 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				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	17.15	17.22	17.07	
20	QPSK	1	49	16.89	17.06	16.77	17.7
20	QPSK	1	99	17.17	16.96	17.09	
20	QPSK	50	0	17.09	17.17	17.07	
20	QPSK	50	24	17.06	17.07	17.06	17.7
20	QPSK	50	50	17.18	17.06	17.03	
20	QPSK	100	0	17.14	17.09	17.06	
20	16QAM	1	0	17.01	17.02	17.10	17.7
20	16QAM	1	49	17.16	16.84	16.93	
20	16QAM	1	99	17.21	17.08	17.01	
20	16QAM	50	0	17.17	17.10	17.01	17.7
20	16QAM	50	24	17.19	17.09	17.14	
20	16QAM	50	50	17.10	16.94	17.06	
20	16QAM	100	0	17.16	17.08	17.06	17.7
20	64QAM	1	0	17.06	17.03	17.03	
20	64QAM	1	49	17.08	16.70	16.82	
20	64QAM	1	99	17.06	17.16	17.21	17.7
20	64QAM	50	0	17.03	17.14	17.09	
20	64QAM	50	24	17.19	17.03	17.04	
20	64QAM	50	50	17.19	17.09	17.13	17.7
20	64QAM	100	0	17.15	17.01	17.06	
20	256QAM	1	0	17.13	17.17	16.97	
20	256QAM	1	49	17.01	17.17	16.88	17.7
20	256QAM	1	99	16.96	17.06	16.90	
20	256QAM	50	0	17.04	17.02	17.06	
20	256QAM	50	24	17.02	17.09	16.96	17.7
20	256QAM	50	50	16.97	17.13	16.90	
20	256QAM	100	0	16.95	17.14	17.02	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	17.12	17.15	17.01	
15	QPSK	1	37	16.72	16.89	16.68	17.7
15	QPSK	1	74	17.04	16.85	16.94	
15	QPSK	36	0	17.02	17.13	16.94	
15	QPSK	36	20	17.03	16.99	16.93	17.7
15	QPSK	36	39	17.04	16.90	16.99	
15	QPSK	75	0	17.01	16.89	16.98	
15	16QAM	1	0	16.92	16.95	16.99	17.7
15	16QAM	1	37	17.03	16.70	16.91	
15	16QAM	1	74	17.03	16.98	16.93	
15	16QAM	36	0	16.98	17.06	16.95	17.7
15	16QAM	36	20	17.05	16.99	17.06	
15	16QAM	36	39	17.08	16.89	17.00	
15	16QAM	75	0	17.11	17.03	16.91	17.7
15	64QAM	1	0	16.98	16.88	16.84	
15	64QAM	1	37	16.97	16.51	16.68	
15	64QAM	1	74	17.03	17.14	17.18	17.7
15	64QAM	36	0	16.86	17.06	17.00	
15	64QAM	36	20	17.13	16.95	16.85	
15	64QAM	36	39	17.00	17.08	17.00	17.7
15	64QAM	75	0	17.11	17.01	16.96	
15	256QAM	1	0	17.05	17.02	16.82	
15	256QAM	1	37	16.82	17.01	16.71	17.7
15	256QAM	1	74	16.96	16.86	16.81	
15	256QAM	36	0	16.96	16.92	16.86	
15	256QAM	36	20	16.96	16.98	16.95	17.7
15	256QAM	36	39	16.97	16.94	16.85	



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	16.78	17.06	16.99	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.99	17.07	16.95	17.7
10	QPSK	1	25	16.69	16.89	16.74	
10	QPSK	1	49	17.06	16.86	16.98	
10	QPSK	25	0	17.09	17.05	17.00	17.7
10	QPSK	25	12	16.88	16.94	16.92	
10	QPSK	25	25	17.13	16.90	16.85	
10	QPSK	50	0	17.04	17.09	16.92	17.7
10	16QAM	1	0	16.81	16.86	16.92	
10	16QAM	1	25	17.01	16.82	16.75	
10	16QAM	1	49	17.15	17.01	16.84	17.7
10	16QAM	25	0	17.15	17.10	16.94	
10	16QAM	25	12	17.01	17.04	17.03	
10	16QAM	25	25	17.08	16.76	17.03	17.7
10	16QAM	50	0	17.12	17.08	16.95	
10	64QAM	1	0	16.90	16.83	16.99	
10	64QAM	1	25	16.98	16.51	16.72	17.7
10	64QAM	1	49	16.94	17.08	17.11	
10	64QAM	25	0	16.93	17.05	16.91	
10	64QAM	25	12	17.00	16.87	17.02	17.7
10	64QAM	25	25	17.15	16.94	17.03	
10	64QAM	50	0	17.06	16.85	16.99	
10	256QAM	1	0	17.03	17.12	16.89	17.7
10	256QAM	1	25	16.92	17.17	16.85	
10	256QAM	1	49	16.89	16.98	16.90	
10	256QAM	25	0	16.92	16.95	16.88	17.7
10	256QAM	25	12	16.85	16.92	16.77	
10	256QAM	25	25	16.84	17.03	16.72	
10	256QAM	50	0	16.79	16.97	16.96	Tune-up limit (dBm)
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.96	17.02	16.96	17.7
5	QPSK	1	12	16.70	16.95	16.72	
5	QPSK	1	24	17.03	16.93	17.07	
5	QPSK	12	0	17.00	16.99	17.01	17.7
5	QPSK	12	7	16.89	16.98	16.95	
5	QPSK	12	13	17.02	17.00	16.87	
5	QPSK	25	0	17.12	16.89	17.02	17.7
5	16QAM	1	0	16.88	17.01	17.02	
5	16QAM	1	12	17.16	16.69	16.74	
5	16QAM	1	24	17.13	17.03	16.83	17.7
5	16QAM	12	0	16.99	17.01	17.00	
5	16QAM	12	7	17.13	16.89	17.14	
5	16QAM	12	13	17.02	16.75	16.99	17.7
5	16QAM	25	0	17.14	16.94	17.06	
5	64QAM	1	0	17.00	16.84	17.00	
5	64QAM	1	12	17.01	16.58	16.80	17.7
5	64QAM	1	24	16.89	17.04	17.09	
5	64QAM	12	0	16.93	16.98	17.09	
5	64QAM	12	7	17.10	16.98	16.99	17.7
5	64QAM	12	13	17.06	16.91	17.13	
5	64QAM	25	0	17.11	16.93	16.98	
5	256QAM	1	0	16.99	17.08	16.89	17.7
5	256QAM	1	12	16.91	16.98	16.76	
5	256QAM	1	24	16.87	16.92	16.78	
5	256QAM	12	0	16.98	16.98	16.89	17.7
5	256QAM	12	7	17.02	17.05	16.79	
5	256QAM	12	13	16.96	17.04	16.90	
5	256QAM	25	0	16.93	17.02	16.86	



<LTE Band 7_Ant 2_Index 9>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	18.56	18.59	18.67	
20	QPSK	1	49	18.31	18.35	18.44	18.9
20	QPSK	1	99	18.46	18.58	18.54	
20	QPSK	50	0	18.46	18.59	18.63	
20	QPSK	50	24	18.37	18.52	18.61	18.9
20	QPSK	50	50	18.45	18.56	18.53	
20	QPSK	100	0	18.47	18.61	18.65	
20	16QAM	1	0	18.36	18.56	18.56	18.9
20	16QAM	1	49	18.26	18.48	18.33	
20	16QAM	1	99	18.42	18.23	18.15	
20	16QAM	50	0	18.46	18.66	18.40	18.9
20	16QAM	50	24	18.45	18.59	18.66	
20	16QAM	50	50	18.50	18.55	18.64	
20	16QAM	100	0	18.60	18.62	17.60	18.9
20	64QAM	1	0	18.40	18.59	18.47	
20	64QAM	1	49	18.56	18.56	18.53	
20	64QAM	1	99	18.58	18.39	18.63	18.9
20	64QAM	50	0	18.45	18.64	18.38	
20	64QAM	50	24	18.55	18.37	18.64	
20	64QAM	50	50	18.53	18.61	18.62	18.9
20	64QAM	100	0	18.52	18.53	18.62	
20	256QAM	1	0	18.42	18.44	18.59	
20	256QAM	1	49	18.47	18.50	18.47	18.9
20	256QAM	1	99	18.39	18.55	18.57	
20	256QAM	50	0	18.55	18.49	18.60	
20	256QAM	50	24	18.51	18.49	18.66	18.9
20	256QAM	50	50	18.41	18.46	18.64	
20	256QAM	100	0	18.50	18.42	18.47	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	18.46	18.51	18.52	
15	QPSK	1	37	18.19	18.27	18.25	18.9
15	QPSK	1	74	18.43	18.38	18.38	
15	QPSK	36	0	18.28	18.56	18.52	
15	QPSK	36	20	18.30	18.33	18.54	18.9
15	QPSK	36	39	18.42	18.51	18.46	
15	QPSK	75	0	18.43	18.57	18.61	
15	16QAM	1	0	18.23	18.47	18.41	18.9
15	16QAM	1	37	18.24	18.43	18.28	
15	16QAM	1	74	18.31	18.17	18.07	
15	16QAM	36	0	18.46	18.48	18.31	18.9
15	16QAM	36	20	18.40	18.56	18.65	
15	16QAM	36	39	18.30	18.49	18.62	
15	16QAM	75	0	18.41	18.57	17.60	18.9
15	64QAM	1	0	18.40	18.39	18.27	
15	64QAM	1	37	18.49	18.46	18.53	
15	64QAM	1	74	18.47	18.37	18.59	18.9
15	64QAM	36	0	18.35	18.51	18.31	
15	64QAM	36	20	18.42	18.36	18.62	
15	64QAM	36	39	18.40	18.55	18.59	18.9
15	64QAM	75	0	18.39	18.36	18.50	
15	256QAM	1	0	18.23	18.25	18.49	
15	256QAM	1	37	18.39	18.32	18.44	18.9
15	256QAM	1	74	18.34	18.55	18.50	
15	256QAM	36	0	18.45	18.35	18.46	
15	256QAM	36	20	18.42	18.39	18.66	18.9
15	256QAM	36	39	18.38	18.33	18.47	



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	18.47	18.38	18.46	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	18.48	18.58	18.66	18.9
10	QPSK	1	25	18.24	18.21	18.43	
10	QPSK	1	49	18.43	18.47	18.44	
10	QPSK	25	0	18.44	18.45	18.54	18.9
10	QPSK	25	12	18.25	18.48	18.48	
10	QPSK	25	25	18.28	18.36	18.49	
10	QPSK	50	0	18.46	18.51	18.64	
10	16QAM	1	0	18.20	18.41	18.56	18.9
10	16QAM	1	25	18.24	18.48	18.30	
10	16QAM	1	49	18.35	18.03	18.10	
10	16QAM	25	0	18.27	18.56	18.25	18.9
10	16QAM	25	12	18.32	18.47	18.47	
10	16QAM	25	25	18.45	18.35	18.57	
10	16QAM	50	0	18.43	18.59	17.48	
10	64QAM	1	0	18.33	18.57	18.42	18.9
10	64QAM	1	25	18.41	18.44	18.48	
10	64QAM	1	49	18.47	18.33	18.47	
10	64QAM	25	0	18.44	18.61	18.27	18.9
10	64QAM	25	12	18.53	18.36	18.61	
10	64QAM	25	25	18.45	18.59	18.58	
10	64QAM	50	0	18.40	18.52	18.55	
10	256QAM	1	0	18.28	18.42	18.55	18.9
10	256QAM	1	25	18.34	18.37	18.40	
10	256QAM	1	49	18.31	18.36	18.43	
10	256QAM	25	0	18.44	18.31	18.59	18.9
10	256QAM	25	12	18.42	18.41	18.52	
10	256QAM	25	25	18.22	18.36	18.53	
10	256QAM	50	0	18.46	18.31	18.36	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	18.54	18.47	18.64	18.9
5	QPSK	1	12	18.15	18.34	18.24	
5	QPSK	1	24	18.46	18.56	18.39	
5	QPSK	12	0	18.29	18.56	18.47	18.9
5	QPSK	12	7	18.36	18.35	18.47	
5	QPSK	12	13	18.31	18.44	18.44	
5	QPSK	25	0	18.39	18.54	18.52	
5	16QAM	1	0	18.18	18.51	18.51	18.9
5	16QAM	1	12	18.19	18.38	18.19	
5	16QAM	1	24	18.36	18.09	17.99	
5	16QAM	12	0	18.38	18.55	18.22	18.9
5	16QAM	12	7	18.41	18.50	18.56	
5	16QAM	12	13	18.31	18.40	18.51	
5	16QAM	25	0	18.60	18.43	17.60	
5	64QAM	1	0	18.39	18.58	18.32	18.9
5	64QAM	1	12	18.38	18.56	18.34	
5	64QAM	1	24	18.46	18.35	18.49	
5	64QAM	12	0	18.36	18.64	18.21	18.9
5	64QAM	12	7	18.49	18.17	18.63	
5	64QAM	12	13	18.40	18.41	18.44	
5	64QAM	25	0	18.43	18.45	18.48	
5	256QAM	1	0	18.35	18.35	18.52	18.9
5	256QAM	1	12	18.43	18.41	18.27	
5	256QAM	1	24	18.39	18.52	18.43	
5	256QAM	12	0	18.46	18.31	18.45	18.9
5	256QAM	12	7	18.32	18.42	18.50	
5	256QAM	12	13	18.33	18.36	18.60	
5	256QAM	25	0	18.38	18.40	18.44	



<LTE Band 7_Ant 1_Index 9>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	20.76	20.65	20.63	
20	QPSK	1	49	20.46	20.26	20.48	21.3
20	QPSK	1	99	20.55	20.56	20.48	
20	QPSK	50	0	20.69	20.59	20.61	
20	QPSK	50	24	20.57	20.52	20.55	21.3
20	QPSK	50	50	20.68	20.44	20.57	
20	QPSK	100	0	20.73	20.47	20.58	
20	16QAM	1	0	20.60	20.75	20.67	21.3
20	16QAM	1	49	20.65	20.75	20.69	
20	16QAM	1	99	20.71	20.69	20.65	
20	16QAM	50	0	20.69	20.63	20.63	21.3
20	16QAM	50	24	20.75	20.62	20.66	
20	16QAM	50	50	20.60	20.49	20.54	
20	16QAM	100	0	20.68	20.58	20.69	21.3
20	64QAM	1	0	20.62	20.56	20.62	
20	64QAM	1	49	20.66	20.61	20.65	
20	64QAM	1	99	20.64	20.67	20.74	21.3
20	64QAM	50	0	20.68	20.60	20.61	
20	64QAM	50	24	20.60	20.63	20.52	
20	64QAM	50	50	20.72	20.63	20.54	21.3
20	64QAM	100	0	20.75	20.56	20.57	
20	256QAM	1	0	19.42	19.42	19.22	20
20	256QAM	1	49	19.15	18.96	18.97	
20	256QAM	1	99	19.05	19.26	19.15	
20	256QAM	50	0	19.01	19.13	18.97	20
20	256QAM	50	24	19.07	19.07	18.92	
20	256QAM	50	50	19.22	19.34	19.26	
20	256QAM	100	0	19.06	19.07	19.05	Tune-up limit (dBm)
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.60	20.62	20.46	21.3
15	QPSK	1	37	20.33	20.20	20.37	
15	QPSK	1	74	20.52	20.49	20.47	
15	QPSK	36	0	20.57	20.48	20.49	21.3
15	QPSK	36	20	20.54	20.38	20.44	
15	QPSK	36	39	20.60	20.33	20.46	
15	QPSK	75	0	20.58	20.38	20.38	21.3
15	16QAM	1	0	20.49	20.69	20.59	
15	16QAM	1	37	20.56	20.70	20.58	
15	16QAM	1	74	20.67	20.55	20.59	21.3
15	16QAM	36	0	20.54	20.46	20.48	
15	16QAM	36	20	20.66	20.44	20.58	
15	16QAM	36	39	20.40	20.44	20.45	21.3
15	16QAM	75	0	20.63	20.53	20.63	
15	64QAM	1	0	20.49	20.44	20.61	
15	64QAM	1	37	20.63	20.51	20.50	21.3
15	64QAM	1	74	20.63	20.65	20.56	
15	64QAM	36	0	20.66	20.42	20.53	
15	64QAM	36	20	20.46	20.58	20.44	21.3
15	64QAM	36	39	20.66	20.47	20.35	
15	64QAM	75	0	20.63	20.48	20.39	
15	256QAM	1	0	19.41	19.33	19.15	20
15	256QAM	1	37	19.03	18.80	18.96	
15	256QAM	1	74	18.88	19.06	18.97	
15	256QAM	36	0	18.98	18.99	18.83	20
15	256QAM	36	20	18.91	19.02	18.79	
15	256QAM	36	39	19.02	19.32	19.25	



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	19.04	19.03	18.99	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.66	20.45	20.52	21.3
10	QPSK	1	25	20.46	20.25	20.34	
10	QPSK	1	49	20.36	20.50	20.44	
10	QPSK	25	0	20.62	20.41	20.59	21.3
10	QPSK	25	12	20.40	20.50	20.48	
10	QPSK	25	25	20.65	20.28	20.41	
10	QPSK	50	0	20.59	20.28	20.43	
10	16QAM	1	0	20.45	20.63	20.53	21.3
10	16QAM	1	25	20.46	20.68	20.66	
10	16QAM	1	49	20.54	20.53	20.61	
10	16QAM	25	0	20.55	20.51	20.55	21.3
10	16QAM	25	12	20.55	20.58	20.57	
10	16QAM	25	25	20.54	20.33	20.40	
10	16QAM	50	0	20.61	20.46	20.63	
10	64QAM	1	0	20.53	20.49	20.52	21.3
10	64QAM	1	25	20.50	20.53	20.55	
10	64QAM	1	49	20.58	20.52	20.60	
10	64QAM	25	0	20.67	20.54	20.54	21.3
10	64QAM	25	12	20.49	20.51	20.43	
10	64QAM	25	25	20.63	20.54	20.37	
10	64QAM	50	0	20.69	20.48	20.37	
10	256QAM	1	0	19.39	19.25	19.20	20
10	256QAM	1	25	19.00	18.76	18.91	
10	256QAM	1	49	19.05	19.20	19.10	
10	256QAM	25	0	18.82	19.02	18.92	20
10	256QAM	25	12	18.99	18.95	18.77	
10	256QAM	25	25	19.22	19.16	19.06	
10	256QAM	50	0	18.96	19.04	18.87	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.68	20.64	20.53	21.3
5	QPSK	1	12	20.45	20.15	20.32	
5	QPSK	1	24	20.41	20.53	20.33	
5	QPSK	12	0	20.51	20.43	20.43	21.3
5	QPSK	12	7	20.41	20.43	20.46	
5	QPSK	12	13	20.68	20.32	20.40	
5	QPSK	25	0	20.54	20.37	20.43	
5	16QAM	1	0	20.56	20.56	20.54	21.3
5	16QAM	1	12	20.63	20.63	20.64	
5	16QAM	1	24	20.57	20.62	20.58	
5	16QAM	12	0	20.67	20.43	20.45	21.3
5	16QAM	12	7	20.65	20.58	20.63	
5	16QAM	12	13	20.55	20.45	20.35	
5	16QAM	25	0	20.48	20.58	20.67	
5	64QAM	1	0	20.62	20.36	20.49	21.3
5	64QAM	1	12	20.58	20.56	20.55	
5	64QAM	1	24	20.58	20.58	20.70	
5	64QAM	12	0	20.65	20.45	20.46	21.3
5	64QAM	12	7	20.43	20.53	20.50	
5	64QAM	12	13	20.52	20.59	20.52	
5	64QAM	25	0	20.72	20.39	20.54	
5	256QAM	1	0	19.34	19.30	19.14	20
5	256QAM	1	12	19.12	18.90	18.88	
5	256QAM	1	24	18.93	19.14	18.95	
5	256QAM	12	0	18.97	19.06	18.79	20
5	256QAM	12	7	18.89	18.95	18.78	
5	256QAM	12	13	19.05	19.32	19.17	
5	256QAM	25	0	18.98	19.03	18.94	



<LTE Band 7_Ant 2_Index 10>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	19.06	19.09	19.17	
20	QPSK	1	49	18.81	18.85	18.94	20.2
20	QPSK	1	99	18.96	19.08	19.04	
20	QPSK	50	0	18.96	19.09	19.13	
20	QPSK	50	24	18.87	19.02	19.11	20.2
20	QPSK	50	50	18.95	19.06	19.03	
20	QPSK	100	0	18.97	19.11	19.15	
20	16QAM	1	0	18.86	19.06	19.06	20.2
20	16QAM	1	49	18.76	18.98	18.83	
20	16QAM	1	99	18.92	18.73	18.65	
20	16QAM	50	0	18.96	19.16	18.90	20.2
20	16QAM	50	24	18.95	19.09	19.16	
20	16QAM	50	50	19.00	19.05	19.14	
20	16QAM	100	0	19.10	19.12	19.10	20.2
20	64QAM	1	0	18.90	19.09	18.97	
20	64QAM	1	49	19.06	19.06	19.03	
20	64QAM	1	99	19.08	18.89	19.13	20.2
20	64QAM	50	0	18.95	19.14	18.88	
20	64QAM	50	24	19.05	18.87	19.14	
20	64QAM	50	50	19.03	19.11	19.12	20
20	64QAM	100	0	19.02	19.03	19.12	
20	256QAM	1	0	18.84	18.98	18.90	
20	256QAM	1	49	18.97	18.92	18.89	20
20	256QAM	1	99	18.94	18.88	18.96	
20	256QAM	50	0	18.87	19.01	18.71	
20	256QAM	50	24	19.03	18.87	18.94	20
20	256QAM	50	50	18.95	18.95	19.10	
20	256QAM	100	0	18.97	19.00	19.11	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	18.88	19.09	19.03	
15	QPSK	1	37	18.65	18.72	18.86	20.2
15	QPSK	1	74	18.79	18.95	19.04	
15	QPSK	36	0	18.96	18.99	19.11	
15	QPSK	36	20	18.71	18.82	18.94	20.2
15	QPSK	36	39	18.82	18.91	18.95	
15	QPSK	75	0	18.97	18.93	18.99	
15	16QAM	1	0	18.67	19.02	18.93	20.2
15	16QAM	1	37	18.75	18.81	18.64	
15	16QAM	1	74	18.77	18.53	18.58	
15	16QAM	36	0	18.82	19.08	18.74	20.2
15	16QAM	36	20	18.91	18.98	19.14	
15	16QAM	36	39	18.81	18.96	19.03	
15	16QAM	75	0	18.99	19.07	19.09	20.2
15	64QAM	1	0	18.72	19.08	18.93	
15	64QAM	1	37	19.06	18.92	19.01	
15	64QAM	1	74	18.99	18.87	19.05	20.2
15	64QAM	36	0	18.91	19.10	18.74	
15	64QAM	36	20	18.92	18.69	19.03	
15	64QAM	36	39	18.93	19.09	18.98	20
15	64QAM	75	0	18.99	18.89	19.06	
15	256QAM	1	0	18.84	18.86	18.79	
15	256QAM	1	37	18.97	18.78	18.69	20
15	256QAM	1	74	18.90	18.78	18.79	
15	256QAM	36	0	18.74	18.90	18.69	
15	256QAM	36	20	18.95	18.85	18.75	20
15	256QAM	36	39	18.80	18.95	18.95	



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	18.77	18.91	18.93	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.00	19.09	19.16	20.2
10	QPSK	1	25	18.74	18.77	18.84	
10	QPSK	1	49	18.96	18.97	18.92	
10	QPSK	25	0	18.88	18.94	19.11	20.2
10	QPSK	25	12	18.71	18.90	18.93	
10	QPSK	25	25	18.77	18.90	18.99	
10	QPSK	50	0	18.93	18.91	18.95	20.2
10	16QAM	1	0	18.75	18.92	18.96	
10	16QAM	1	25	18.68	18.81	18.78	
10	16QAM	1	49	18.84	18.55	18.64	20.2
10	16QAM	25	0	18.95	19.09	18.80	
10	16QAM	25	12	18.88	19.08	19.03	
10	16QAM	25	25	18.83	18.96	19.10	20.2
10	16QAM	50	0	19.10	18.97	18.96	
10	64QAM	1	0	18.87	19.08	18.78	
10	64QAM	1	25	19.04	18.89	18.93	20.2
10	64QAM	1	49	18.97	18.82	18.98	
10	64QAM	25	0	18.86	19.05	18.69	
10	64QAM	25	12	18.89	18.77	19.07	20.2
10	64QAM	25	25	19.02	19.02	18.94	
10	64QAM	50	0	18.94	18.96	18.92	
10	256QAM	1	0	18.69	18.95	18.80	20
10	256QAM	1	25	18.92	18.87	18.70	
10	256QAM	1	49	18.94	18.83	18.94	
10	256QAM	25	0	18.74	18.85	18.67	20
10	256QAM	25	12	18.84	18.67	18.84	
10	256QAM	25	25	18.85	18.84	19.06	
10	256QAM	50	0	18.85	18.85	19.07	Tune-up limit (dBm)
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	18.95	19.04	19.08	20.2
5	QPSK	1	12	18.69	18.68	18.78	
5	QPSK	1	24	18.83	19.08	18.87	
5	QPSK	12	0	18.77	19.09	19.05	20.2
5	QPSK	12	7	18.68	18.94	19.04	
5	QPSK	12	13	18.76	19.02	19.00	
5	QPSK	25	0	18.93	19.10	19.02	20.2
5	16QAM	1	0	18.71	18.99	19.04	
5	16QAM	1	12	18.65	18.81	18.76	
5	16QAM	1	24	18.82	18.54	18.64	20.2
5	16QAM	12	0	18.89	19.13	18.81	
5	16QAM	12	7	18.75	19.08	19.07	
5	16QAM	12	13	18.95	18.99	18.99	20.2
5	16QAM	25	0	18.92	18.97	18.93	
5	64QAM	1	0	18.74	18.91	18.83	
5	64QAM	1	12	19.03	18.94	18.97	20.2
5	64QAM	1	24	18.95	18.87	18.94	
5	64QAM	12	0	18.86	19.04	18.70	
5	64QAM	12	7	18.99	18.84	19.08	20.2
5	64QAM	12	13	18.84	19.07	18.95	
5	64QAM	25	0	18.86	18.84	19.05	
5	256QAM	1	0	18.70	18.92	18.85	20
5	256QAM	1	12	18.85	18.74	18.73	
5	256QAM	1	24	18.78	18.84	18.94	
5	256QAM	12	0	18.75	18.98	18.61	20
5	256QAM	12	7	18.83	18.74	18.93	
5	256QAM	12	13	18.87	18.85	18.90	
5	256QAM	25	0	18.82	18.81	18.99	



<LTE Band 7_Ant 1_Index 10>

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	21.30	21.17	21.12	
20	QPSK	1	49	21.06	20.80	20.75	22.6
20	QPSK	1	99	21.16	20.97	21.09	
20	QPSK	50	0	21.20	21.17	21.06	
20	QPSK	50	24	21.16	21.07	21.04	22.6
20	QPSK	50	50	21.18	21.07	21.04	
20	QPSK	100	0	21.15	21.13	21.07	
20	16QAM	1	0	21.05	21.00	20.95	22.6
20	16QAM	1	49	21.10	20.78	20.90	
20	16QAM	1	99	20.77	20.83	20.68	
20	16QAM	50	0	21.28	21.19	21.14	22.6
20	16QAM	50	24	21.21	21.09	21.10	
20	16QAM	50	50	21.13	20.98	21.08	
20	16QAM	100	0	21.02	21.23	21.08	22.6
20	64QAM	1	0	21.09	21.02	20.74	
20	64QAM	1	49	20.91	20.69	21.11	
20	64QAM	1	99	20.78	20.79	20.93	22
20	64QAM	50	0	21.06	21.16	21.11	
20	64QAM	50	24	21.28	21.22	21.08	
20	64QAM	50	50	21.18	21.11	21.10	20
20	64QAM	100	0	21.22	21.07	21.11	
20	256QAM	1	0	19.36	19.29	19.35	
20	256QAM	1	49	19.06	19.16	18.93	20
20	256QAM	1	99	19.17	19.19	19.13	
20	256QAM	50	0	19.19	19.15	18.95	
20	256QAM	50	24	18.89	19.08	19.06	20
20	256QAM	50	50	19.35	19.23	19.25	
20	256QAM	100	0	18.92	19.03	19.07	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.25	21.00	21.00	
15	QPSK	1	37	20.93	20.61	20.78	22.6
15	QPSK	1	74	21.04	20.83	20.98	
15	QPSK	36	0	21.07	21.08	20.91	
15	QPSK	36	20	21.08	20.87	21.00	22.6
15	QPSK	36	39	21.04	20.96	21.03	
15	QPSK	75	0	20.95	21.10	20.93	
15	16QAM	1	0	20.87	20.85	20.79	22.6
15	16QAM	1	37	21.01	20.65	20.89	
15	16QAM	1	74	20.79	20.63	20.75	
15	16QAM	36	0	21.12	21.07	20.98	22.6
15	16QAM	36	20	21.01	21.09	20.91	
15	16QAM	36	39	20.95	20.80	20.97	
15	16QAM	75	0	20.99	21.06	21.02	22.6
15	64QAM	1	0	20.96	21.00	20.75	
15	64QAM	1	37	20.82	20.62	21.09	
15	64QAM	1	74	20.66	20.67	20.83	22
15	64QAM	36	0	20.99	20.96	21.02	
15	64QAM	36	20	21.24	21.12	20.89	
15	64QAM	36	39	21.15	20.96	20.97	20
15	64QAM	75	0	21.06	20.97	21.06	
15	256QAM	1	0	19.31	19.29	19.25	
15	256QAM	1	37	18.97	19.01	18.78	20
15	256QAM	1	74	19.00	19.08	19.05	
15	256QAM	36	0	19.11	19.02	18.89	
15	256QAM	36	20	18.69	18.93	18.96	20
15	256QAM	36	39	19.16	19.12	19.15	



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	18.82	19.01	19.04	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.29	21.10	20.92	22.6
10	QPSK	1	25	20.92	20.71	20.72	
10	QPSK	1	49	21.05	20.77	20.99	
10	QPSK	25	0	21.20	21.15	21.01	22.6
10	QPSK	25	12	21.14	21.05	20.97	
10	QPSK	25	25	21.05	21.07	20.95	
10	QPSK	50	0	20.98	21.13	20.92	
10	16QAM	1	0	20.86	20.86	20.78	22.6
10	16QAM	1	25	21.01	20.77	20.76	
10	16QAM	1	49	20.75	20.82	20.68	
10	16QAM	25	0	21.27	21.12	20.97	22.6
10	16QAM	25	12	21.07	20.96	21.02	
10	16QAM	25	25	21.12	20.95	20.96	
10	16QAM	50	0	20.86	21.21	21.04	
10	64QAM	1	0	21.04	20.85	20.64	22.6
10	64QAM	1	25	20.76	20.62	20.91	
10	64QAM	1	49	20.67	20.74	20.89	
10	64QAM	25	0	20.87	21.14	20.99	22
10	64QAM	25	12	21.18	21.19	20.99	
10	64QAM	25	25	21.00	20.94	20.90	
10	64QAM	50	0	21.13	20.91	21.06	
10	256QAM	1	0	19.31	19.09	19.17	20
10	256QAM	1	25	18.95	19.16	18.92	
10	256QAM	1	49	19.10	19.19	18.96	
10	256QAM	25	0	19.03	18.97	18.81	20
10	256QAM	25	12	18.88	18.94	18.97	
10	256QAM	25	25	19.33	19.10	19.05	
10	256QAM	50	0	18.73	18.90	18.89	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.11	21.10	20.95	22.6
5	QPSK	1	12	21.04	20.78	20.61	
5	QPSK	1	24	20.96	20.78	20.97	
5	QPSK	12	0	21.10	21.01	20.87	22.6
5	QPSK	12	7	21.10	20.99	20.86	
5	QPSK	12	13	21.03	21.03	20.92	
5	QPSK	25	0	21.03	20.95	20.93	
5	16QAM	1	0	20.89	20.85	20.78	22.6
5	16QAM	1	12	20.94	20.61	20.85	
5	16QAM	1	24	20.72	20.74	20.75	
5	16QAM	12	0	21.26	21.08	20.99	22.6
5	16QAM	12	7	21.17	21.01	20.98	
5	16QAM	12	13	21.04	20.78	20.92	
5	16QAM	25	0	21.00	21.13	21.08	
5	64QAM	1	0	21.03	20.84	20.68	22.6
5	64QAM	1	12	20.89	20.72	20.93	
5	64QAM	1	24	20.74	20.70	20.83	
5	64QAM	12	0	21.05	20.98	20.96	22
5	64QAM	12	7	21.22	21.03	20.99	
5	64QAM	12	13	21.13	20.95	20.91	
5	64QAM	25	0	21.10	20.89	21.04	
5	256QAM	1	0	19.20	19.16	19.35	20
5	256QAM	1	12	19.03	19.12	18.90	
5	256QAM	1	24	18.97	19.19	18.99	
5	256QAM	12	0	19.04	19.09	18.93	20
5	256QAM	12	7	18.72	18.99	18.94	
5	256QAM	12	13	19.31	19.23	19.12	
5	256QAM	25	0	18.76	18.83	19.01	



<LTE Band 7_Ant 2_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	19.06	19.09	19.17	
20	QPSK	1	49	18.81	18.85	18.94	19.5
20	QPSK	1	99	18.96	19.08	19.04	
20	QPSK	50	0	18.96	19.09	19.13	
20	QPSK	50	24	18.87	19.02	19.11	19.5
20	QPSK	50	50	18.95	19.06	19.03	
20	QPSK	100	0	18.97	19.11	19.15	
20	16QAM	1	0	18.86	19.06	19.06	19.5
20	16QAM	1	49	18.76	18.98	18.83	
20	16QAM	1	99	18.92	18.73	18.65	
20	16QAM	50	0	18.96	19.16	18.90	19.5
20	16QAM	50	24	18.95	19.09	19.16	
20	16QAM	50	50	19.00	19.05	19.14	
20	16QAM	100	0	19.10	19.12	19.10	19.5
20	64QAM	1	0	18.90	19.09	18.97	
20	64QAM	1	49	19.06	19.06	19.03	
20	64QAM	1	99	19.08	18.89	19.13	19.5
20	64QAM	50	0	18.95	19.14	18.88	
20	64QAM	50	24	19.05	18.87	19.14	
20	64QAM	50	50	19.03	19.11	19.12	19.5
20	64QAM	100	0	19.02	19.03	19.12	
20	256QAM	1	0	18.84	18.98	18.90	
20	256QAM	1	49	18.97	18.92	18.89	19.5
20	256QAM	1	99	18.94	18.88	18.96	
20	256QAM	50	0	18.87	19.01	18.71	
20	256QAM	50	24	19.03	18.87	18.94	19.5
20	256QAM	50	50	18.95	18.95	19.10	
20	256QAM	100	0	18.97	19.00	19.11	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	18.88	19.09	19.03	
15	QPSK	1	37	18.65	18.72	18.86	19.5
15	QPSK	1	74	18.79	18.95	19.04	
15	QPSK	36	0	18.96	18.99	19.11	
15	QPSK	36	20	18.71	18.82	18.94	19.5
15	QPSK	36	39	18.82	18.91	18.95	
15	QPSK	75	0	18.97	18.93	18.99	
15	16QAM	1	0	18.67	19.02	18.93	19.5
15	16QAM	1	37	18.75	18.81	18.64	
15	16QAM	1	74	18.77	18.53	18.58	
15	16QAM	36	0	18.82	19.08	18.74	19.5
15	16QAM	36	20	18.91	18.98	19.14	
15	16QAM	36	39	18.81	18.96	19.03	
15	16QAM	75	0	18.99	19.07	19.09	19.5
15	64QAM	1	0	18.72	19.08	18.93	
15	64QAM	1	37	19.06	18.92	19.01	
15	64QAM	1	74	18.99	18.87	19.05	19.5
15	64QAM	36	0	18.91	19.10	18.74	
15	64QAM	36	20	18.92	18.69	19.03	
15	64QAM	36	39	18.93	19.09	18.98	19.5
15	64QAM	75	0	18.99	18.89	19.06	
15	256QAM	1	0	18.84	18.86	18.79	
15	256QAM	1	37	18.97	18.78	18.69	19.5
15	256QAM	1	74	18.90	18.78	18.79	
15	256QAM	36	0	18.74	18.90	18.69	
15	256QAM	36	20	18.95	18.85	18.75	19.5
15	256QAM	36	39	18.80	18.95	18.95	



FCC SAR TEST REPORT

Report No. : FA4N0920C

15	256QAM	75	0	18.77	18.91	18.93	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.00	19.09	19.16	19.5
10	QPSK	1	25	18.74	18.77	18.84	
10	QPSK	1	49	18.96	18.97	18.92	
10	QPSK	25	0	18.88	18.94	19.11	19.5
10	QPSK	25	12	18.71	18.90	18.93	
10	QPSK	25	25	18.77	18.90	18.99	
10	QPSK	50	0	18.93	18.91	18.95	19.5
10	16QAM	1	0	18.75	18.92	18.96	
10	16QAM	1	25	18.68	18.81	18.78	
10	16QAM	1	49	18.84	18.55	18.64	19.5
10	16QAM	25	0	18.95	19.09	18.80	
10	16QAM	25	12	18.88	19.08	19.03	
10	16QAM	25	25	18.83	18.96	19.10	19.5
10	16QAM	50	0	19.10	18.97	18.96	
10	64QAM	1	0	18.87	19.08	18.78	
10	64QAM	1	25	19.04	18.89	18.93	19.5
10	64QAM	1	49	18.97	18.82	18.98	
10	64QAM	25	0	18.86	19.05	18.69	
10	64QAM	25	12	18.89	18.77	19.07	19.5
10	64QAM	25	25	19.02	19.02	18.94	
10	64QAM	50	0	18.94	18.96	18.92	
10	256QAM	1	0	18.69	18.95	18.80	19.5
10	256QAM	1	25	18.92	18.87	18.70	
10	256QAM	1	49	18.94	18.83	18.94	
10	256QAM	25	0	18.74	18.85	18.67	19.5
10	256QAM	25	12	18.84	18.67	18.84	
10	256QAM	25	25	18.85	18.84	19.06	
10	256QAM	50	0	18.85	18.85	19.07	Tune-up limit (dBm)
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	18.95	19.04	19.08	19.5
5	QPSK	1	12	18.69	18.68	18.78	
5	QPSK	1	24	18.83	19.08	18.87	
5	QPSK	12	0	18.77	19.09	19.05	19.5
5	QPSK	12	7	18.68	18.94	19.04	
5	QPSK	12	13	18.76	19.02	19.00	
5	QPSK	25	0	18.93	19.10	19.02	19.5
5	16QAM	1	0	18.71	18.99	19.04	
5	16QAM	1	12	18.65	18.81	18.76	
5	16QAM	1	24	18.82	18.54	18.64	19.5
5	16QAM	12	0	18.89	19.13	18.81	
5	16QAM	12	7	18.75	19.08	19.07	
5	16QAM	12	13	18.95	18.99	18.99	19.5
5	16QAM	25	0	18.92	18.97	18.93	
5	64QAM	1	0	18.74	18.91	18.83	
5	64QAM	1	12	19.03	18.94	18.97	19.5
5	64QAM	1	24	18.95	18.87	18.94	
5	64QAM	12	0	18.86	19.04	18.70	
5	64QAM	12	7	18.99	18.84	19.08	19.5
5	64QAM	12	13	18.84	19.07	18.95	
5	64QAM	25	0	18.86	18.84	19.05	
5	256QAM	1	0	18.70	18.92	18.85	19.5
5	256QAM	1	12	18.85	18.74	18.73	
5	256QAM	1	24	18.78	18.84	18.94	
5	256QAM	12	0	18.75	18.98	18.61	19.5
5	256QAM	12	7	18.83	18.74	18.93	
5	256QAM	12	13	18.87	18.85	18.90	
5	256QAM	25	0	18.82	18.81	18.99	



<LTE Band 7_Ant 1_Index 11>

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	21.30	21.17	21.12	
20	QPSK	1	49	21.06	20.80	20.75	21.9
20	QPSK	1	99	21.16	20.97	21.09	
20	QPSK	50	0	21.20	21.17	21.06	
20	QPSK	50	24	21.16	21.07	21.04	21.9
20	QPSK	50	50	21.18	21.07	21.04	
20	QPSK	100	0	21.15	21.13	21.07	
20	16QAM	1	0	21.05	21.00	20.95	21.9
20	16QAM	1	49	21.10	20.78	20.90	
20	16QAM	1	99	20.77	20.83	20.68	
20	16QAM	50	0	21.28	21.19	21.14	21.9
20	16QAM	50	24	21.21	21.09	21.10	
20	16QAM	50	50	21.13	20.98	21.08	
20	16QAM	100	0	21.02	21.23	21.08	21.9
20	64QAM	1	0	21.09	21.02	20.74	
20	64QAM	1	49	20.91	20.69	21.11	
20	64QAM	1	99	20.78	20.79	20.93	21.9
20	64QAM	50	0	21.06	21.16	21.11	
20	64QAM	50	24	21.28	21.22	21.08	
20	64QAM	50	50	21.18	21.11	21.10	20
20	64QAM	100	0	21.22	21.07	21.11	
20	256QAM	1	0	19.36	19.29	19.35	
20	256QAM	1	49	19.06	19.16	18.93	20
20	256QAM	1	99	19.17	19.19	19.13	
20	256QAM	50	0	19.19	19.15	18.95	
20	256QAM	50	24	18.89	19.08	19.06	20
20	256QAM	50	50	19.35	19.23	19.25	
20	256QAM	100	0	18.92	19.03	19.07	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.25	21.00	21.00	
15	QPSK	1	37	20.93	20.61	20.78	21.9
15	QPSK	1	74	21.04	20.83	20.98	
15	QPSK	36	0	21.07	21.08	20.91	
15	QPSK	36	20	21.08	20.87	21.00	21.9
15	QPSK	36	39	21.04	20.96	21.03	
15	QPSK	75	0	20.95	21.10	20.93	
15	16QAM	1	0	20.87	20.85	20.79	21.9
15	16QAM	1	37	21.01	20.65	20.89	
15	16QAM	1	74	20.79	20.63	20.75	
15	16QAM	36	0	21.12	21.07	20.98	21.9
15	16QAM	36	20	21.01	21.09	20.91	
15	16QAM	36	39	20.95	20.80	20.97	
15	16QAM	75	0	20.99	21.06	21.02	21.9
15	64QAM	1	0	20.96	21.00	20.75	
15	64QAM	1	37	20.82	20.62	21.09	
15	64QAM	1	74	20.66	20.67	20.83	21.9
15	64QAM	36	0	20.99	20.96	21.02	
15	64QAM	36	20	21.24	21.12	20.89	
15	64QAM	36	39	21.15	20.96	20.97	20
15	64QAM	75	0	21.06	20.97	21.06	
15	256QAM	1	0	19.31	19.29	19.25	
15	256QAM	1	37	18.97	19.01	18.78	20
15	256QAM	1	74	19.00	19.08	19.05	
15	256QAM	36	0	19.11	19.02	18.89	
15	256QAM	36	20	18.69	18.93	18.96	20
15	256QAM	36	39	19.16	19.12	19.15	



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15	256QAM	75	0	18.82	19.01	19.04	Tune-up limit (dBm)
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.29	21.10	20.92	21.9
10	QPSK	1	25	20.92	20.71	20.72	
10	QPSK	1	49	21.05	20.77	20.99	
10	QPSK	25	0	21.20	21.15	21.01	21.9
10	QPSK	25	12	21.14	21.05	20.97	
10	QPSK	25	25	21.05	21.07	20.95	
10	QPSK	50	0	20.98	21.13	20.92	
10	16QAM	1	0	20.86	20.86	20.78	21.9
10	16QAM	1	25	21.01	20.77	20.76	
10	16QAM	1	49	20.75	20.82	20.68	
10	16QAM	25	0	21.27	21.12	20.97	21.9
10	16QAM	25	12	21.07	20.96	21.02	
10	16QAM	25	25	21.12	20.95	20.96	
10	16QAM	50	0	20.86	21.21	21.04	
10	64QAM	1	0	21.04	20.85	20.64	21.9
10	64QAM	1	25	20.76	20.62	20.91	
10	64QAM	1	49	20.67	20.74	20.89	
10	64QAM	25	0	20.87	21.14	20.99	21.9
10	64QAM	25	12	21.18	21.19	20.99	
10	64QAM	25	25	21.00	20.94	20.90	
10	64QAM	50	0	21.13	20.91	21.06	
10	256QAM	1	0	19.31	19.09	19.17	20
10	256QAM	1	25	18.95	19.16	18.92	
10	256QAM	1	49	19.10	19.19	18.96	
10	256QAM	25	0	19.03	18.97	18.81	20
10	256QAM	25	12	18.88	18.94	18.97	
10	256QAM	25	25	19.33	19.10	19.05	
10	256QAM	50	0	18.73	18.90	18.89	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.11	21.10	20.95	21.9
5	QPSK	1	12	21.04	20.78	20.61	
5	QPSK	1	24	20.96	20.78	20.97	
5	QPSK	12	0	21.10	21.01	20.87	21.9
5	QPSK	12	7	21.10	20.99	20.86	
5	QPSK	12	13	21.03	21.03	20.92	
5	QPSK	25	0	21.03	20.95	20.93	
5	16QAM	1	0	20.89	20.85	20.78	21.9
5	16QAM	1	12	20.94	20.61	20.85	
5	16QAM	1	24	20.72	20.74	20.75	
5	16QAM	12	0	21.26	21.08	20.99	21.9
5	16QAM	12	7	21.17	21.01	20.98	
5	16QAM	12	13	21.04	20.78	20.92	
5	16QAM	25	0	21.00	21.13	21.08	
5	64QAM	1	0	21.03	20.84	20.68	21.9
5	64QAM	1	12	20.89	20.72	20.93	
5	64QAM	1	24	20.74	20.70	20.83	
5	64QAM	12	0	21.05	20.98	20.96	21.9
5	64QAM	12	7	21.22	21.03	20.99	
5	64QAM	12	13	21.13	20.95	20.91	
5	64QAM	25	0	21.10	20.89	21.04	
5	256QAM	1	0	19.20	19.16	19.35	20
5	256QAM	1	12	19.03	19.12	18.90	
5	256QAM	1	24	18.97	19.19	18.99	
5	256QAM	12	0	19.04	19.09	18.93	20
5	256QAM	12	7	18.72	18.99	18.94	
5	256QAM	12	13	19.31	19.23	19.12	
5	256QAM	25	0	18.76	18.83	19.01	



<LTE Band 12_Ant 0_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.13	24.14	24.12	25.3
10	QPSK	1	25	24.08	24.08	24.10	
10	QPSK	1	49	24.04	24.03	24.00	
10	QPSK	25	0	23.14	23.15	23.08	24.3
10	QPSK	25	12	23.14	23.10	23.08	
10	QPSK	25	25	23.09	23.09	23.04	
10	QPSK	50	0	23.13	23.14	23.13	
10	16QAM	1	0	23.40	23.31	23.31	24.3
10	16QAM	1	25	23.32	23.15	23.23	
10	16QAM	1	49	23.13	23.25	23.14	
10	16QAM	25	0	22.17	22.18	22.16	23.3
10	16QAM	25	12	22.14	22.12	22.12	
10	16QAM	25	25	22.10	22.05	22.06	
10	16QAM	50	0	22.15	22.14	22.11	
10	64QAM	1	0	22.41	22.32	22.33	23.3
10	64QAM	1	25	22.23	22.25	22.31	
10	64QAM	1	49	22.13	22.10	22.08	
10	64QAM	25	0	21.19	21.20	21.14	22.3
10	64QAM	25	12	21.11	21.17	21.14	
10	64QAM	25	25	21.11	21.08	21.09	
10	64QAM	50	0	21.12	21.13	21.10	
10	256QAM	1	0	19.22	19.28	19.23	20.3
10	256QAM	1	25	18.80	18.94	18.88	
10	256QAM	1	49	18.72	18.85	18.80	
10	256QAM	25	0	18.98	19.12	19.07	20.3
10	256QAM	25	12	18.92	19.05	18.94	
10	256QAM	25	25	18.91	19.01	18.94	
10	256QAM	50	0	18.99	19.15	19.00	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.06	24.02	24.12	25.3
5	QPSK	1	12	23.97	24.00	24.06	
5	QPSK	1	24	23.86	23.83	23.94	
5	QPSK	12	0	23.03	23.00	22.96	24.3
5	QPSK	12	7	23.01	23.02	22.98	
5	QPSK	12	13	23.03	22.89	22.94	
5	QPSK	25	0	22.97	23.12	23.05	
5	16QAM	1	0	23.29	23.24	23.28	24.3
5	16QAM	1	12	23.15	23.11	23.04	
5	16QAM	1	24	23.00	23.06	22.99	
5	16QAM	12	0	22.05	22.12	22.12	23.3
5	16QAM	12	7	22.11	22.09	21.94	
5	16QAM	12	13	21.95	21.95	21.99	
5	16QAM	25	0	21.98	21.98	22.08	
5	64QAM	1	0	22.22	22.28	22.22	23.3
5	64QAM	1	12	22.13	22.05	22.14	
5	64QAM	1	24	21.94	22.09	21.92	
5	64QAM	12	0	21.18	21.12	21.05	22.3
5	64QAM	12	7	21.05	20.99	21.09	
5	64QAM	12	13	21.06	20.88	21.01	
5	64QAM	25	0	20.99	21.06	21.01	
5	256QAM	1	0	19.20	19.22	19.15	20.3
5	256QAM	1	12	18.78	18.81	18.77	
5	256QAM	1	24	18.52	18.80	18.75	
5	256QAM	12	0	18.95	19.12	18.94	20.3
5	256QAM	12	7	18.81	19.04	18.78	



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5	256QAM	12	13	18.73	18.86	18.92	Tune-up limit (dBm)
5	256QAM	25	0	18.93	19.13	18.91	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.12	24.10	24.05	25.3
3	QPSK	1	8	24.00	24.06	24.03	
3	QPSK	1	14	24.01	23.84	23.91	
3	QPSK	8	0	23.04	23.03	22.91	24.3
3	QPSK	8	4	23.14	23.04	22.92	
3	QPSK	8	7	23.06	22.97	22.92	
3	QPSK	15	0	23.06	23.05	22.96	
3	16QAM	1	0	23.28	23.26	23.21	24.3
3	16QAM	1	8	23.14	23.05	23.09	
3	16QAM	1	14	23.06	23.16	22.94	
3	16QAM	8	0	22.15	22.08	21.96	23.3
3	16QAM	8	4	22.06	22.08	21.93	
3	16QAM	8	7	21.90	21.96	21.86	
3	16QAM	15	0	22.05	22.03	22.01	
3	64QAM	1	0	22.32	22.18	22.26	23.3
3	64QAM	1	8	22.05	22.25	22.14	
3	64QAM	1	14	21.95	21.91	21.88	
3	64QAM	8	0	21.08	21.01	21.14	22.3
3	64QAM	8	4	21.07	21.17	20.97	
3	64QAM	8	7	20.91	21.06	21.07	
3	64QAM	15	0	21.00	20.99	21.08	
3	256QAM	1	0	19.08	19.28	19.22	20.3
3	256QAM	1	8	18.61	18.83	18.78	
3	256QAM	1	14	18.65	18.75	18.64	
3	256QAM	8	0	18.94	18.99	18.98	20.3
3	256QAM	8	4	18.87	18.97	18.83	
3	256QAM	8	7	18.73	18.83	18.86	
3	256QAM	15	0	18.84	19.04	18.91	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.08	23.98	23.99	25.3
1.4	QPSK	1	3	24.03	23.92	23.95	
1.4	QPSK	1	5	23.96	23.96	23.85	
1.4	QPSK	3	0	24.12	24.13	24.09	
1.4	QPSK	3	1	23.95	24.04	24.02	
1.4	QPSK	3	3	23.95	23.83	23.95	24.3
1.4	QPSK	6	0	22.98	23.10	23.01	
1.4	16QAM	1	0	23.08	23.02	22.96	
1.4	16QAM	1	3	22.93	22.95	22.87	24.3
1.4	16QAM	1	5	23.03	23.05	22.96	
1.4	16QAM	3	0	23.27	23.20	23.23	
1.4	16QAM	3	1	23.14	23.07	23.21	
1.4	16QAM	3	3	23.05	23.08	23.02	
1.4	16QAM	6	0	21.99	22.05	22.12	23.3
1.4	64QAM	1	0	22.04	22.07	22.12	23.3
1.4	64QAM	1	3	22.05	21.96	21.89	
1.4	64QAM	1	5	21.96	21.98	21.94	
1.4	64QAM	3	0	22.41	22.12	22.22	
1.4	64QAM	3	1	22.04	22.15	22.18	
1.4	64QAM	3	3	22.12	22.04	22.01	
1.4	64QAM	6	0	21.14	21.11	21.03	22.3
1.4	256QAM	1	0	19.04	19.23	19.21	20.3
1.4	256QAM	1	3	18.60	18.89	18.78	
1.4	256QAM	1	5	18.68	18.76	18.64	
1.4	256QAM	3	0	18.97	18.99	19.04	
1.4	256QAM	3	1	18.73	18.86	18.77	
1.4	256QAM	3	3	18.85	18.85	18.79	
1.4	256QAM	6	0	18.82	19.11	18.95	20.3



<LTE Band 12_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	22.27	22.30	22.28	
10	QPSK	1	25	22.19	22.26	22.16	23.7
10	QPSK	1	49	22.07	22.11	21.75	
10	QPSK	25	0	22.26	22.26	22.09	
10	QPSK	25	12	22.11	22.19	22.12	23.7
10	QPSK	25	25	22.08	22.16	22.07	
10	QPSK	50	0	22.12	22.18	22.12	
10	16QAM	1	0	22.14	22.23	22.18	23.7
10	16QAM	1	25	22.06	21.94	22.00	
10	16QAM	1	49	21.98	22.13	21.94	
10	16QAM	25	0	21.94	22.05	22.03	23.7
10	16QAM	25	12	21.81	21.94	21.77	
10	16QAM	25	25	21.81	21.87	21.79	
10	16QAM	50	0	21.91	21.94	21.93	23.7
10	64QAM	1	0	22.13	22.19	21.62	
10	64QAM	1	25	22.10	22.08	21.91	
10	64QAM	1	49	22.12	22.17	21.78	23.3
10	64QAM	25	0	21.31	21.30	21.32	
10	64QAM	25	12	21.32	21.32	21.34	
10	64QAM	25	25	21.30	21.30	21.33	21.3
10	64QAM	50	0	21.33	21.31	21.32	
10	256QAM	1	0	19.38	19.30	19.35	
10	256QAM	1	25	19.39	19.30	19.39	21.3
10	256QAM	1	49	19.30	19.36	19.35	
10	256QAM	25	0	19.30	19.35	19.36	
10	256QAM	25	12	19.36	19.30	19.34	21.3
10	256QAM	25	25	19.38	19.35	19.32	
10	256QAM	50	0	19.35	19.39	19.31	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.17	22.29	22.19	
5	QPSK	1	12	22.14	22.17	22.08	23.7
5	QPSK	1	24	22.05	22.11	21.73	
5	QPSK	12	0	22.26	22.22	22.02	
5	QPSK	12	7	22.02	22.14	22.04	23.7
5	QPSK	12	13	21.98	22.11	22.06	
5	QPSK	25	0	22.06	22.12	22.09	
5	16QAM	1	0	22.10	22.22	22.15	23.7
5	16QAM	1	12	21.96	21.92	21.91	
5	16QAM	1	24	21.94	22.05	21.84	
5	16QAM	12	0	21.86	22.00	22.01	23.7
5	16QAM	12	7	21.74	21.92	21.73	
5	16QAM	12	13	21.80	21.86	21.72	
5	16QAM	25	0	21.88	21.85	21.92	23.7
5	64QAM	1	0	22.13	22.17	21.76	
5	64QAM	1	12	22.01	21.99	21.83	
5	64QAM	1	24	22.08	22.09	21.76	23.3
5	64QAM	12	0	21.38	21.33	21.40	
5	64QAM	12	7	21.36	21.39	21.36	
5	64QAM	12	13	21.36	21.40	21.38	21.3
5	64QAM	25	0	21.39	21.34	21.38	
5	256QAM	1	0	19.54	19.46	19.50	
5	256QAM	1	12	19.52	19.48	19.51	21.3
5	256QAM	1	24	19.41	19.46	19.45	
5	256QAM	12	0	19.46	19.45	19.49	
5	256QAM	12	7	19.56	19.46	19.45	21.3
5	256QAM	12	13	19.50	19.55	19.49	



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5	256QAM	25	0	19.51	19.56	19.45	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.23	22.21	22.18	23.7
3	QPSK	1	8	22.19	22.17	22.15	
3	QPSK	1	14	22.03	22.08	21.73	
3	QPSK	8	0	22.21	22.16	22.08	23.7
3	QPSK	8	4	22.02	22.12	22.09	
3	QPSK	8	7	22.08	22.15	21.99	
3	QPSK	15	0	22.04	22.18	22.08	23.7
3	16QAM	1	0	22.04	22.15	22.14	
3	16QAM	1	8	22.01	21.93	21.97	
3	16QAM	1	14	21.97	22.12	21.88	23.7
3	16QAM	8	0	21.92	21.99	21.96	
3	16QAM	8	4	21.81	21.89	21.74	
3	16QAM	8	7	21.73	21.87	21.71	23.7
3	16QAM	15	0	21.88	21.94	21.83	
3	64QAM	1	0	22.08	22.11	21.78	
3	64QAM	1	8	22.03	22.01	21.91	23.7
3	64QAM	1	14	22.09	22.13	21.78	
3	64QAM	8	0	21.38	21.40	21.41	
3	64QAM	8	4	21.38	21.41	21.43	23.3
3	64QAM	8	7	21.37	21.36	21.36	
3	64QAM	15	0	21.37	21.34	21.38	
3	256QAM	1	0	19.46	19.36	19.40	21.3
3	256QAM	1	8	19.48	19.34	19.48	
3	256QAM	1	14	19.34	19.44	19.40	
3	256QAM	8	0	19.38	19.45	19.39	21.3
3	256QAM	8	4	19.36	19.32	19.40	
3	256QAM	8	7	19.40	19.41	19.38	
3	256QAM	15	0	19.36	19.41	19.32	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.19	22.15	22.10	23.7
1.4	QPSK	1	3	22.11	22.14	22.01	
1.4	QPSK	1	5	21.83	21.91	21.56	
1.4	QPSK	3	0	22.17	22.13	21.95	23.7
1.4	QPSK	3	1	21.98	22.13	21.96	
1.4	QPSK	3	3	21.85	22.08	21.87	
1.4	QPSK	6	0	21.97	22.06	22.01	23.7
1.4	16QAM	1	0	22.09	21.98	22.06	23.7
1.4	16QAM	1	3	21.93	21.78	21.87	
1.4	16QAM	1	5	21.90	22.06	21.78	
1.4	16QAM	3	0	21.89	21.91	21.91	23.7
1.4	16QAM	3	1	21.72	21.86	21.77	
1.4	16QAM	3	3	21.77	21.72	21.71	
1.4	16QAM	6	0	21.70	21.81	21.77	23.7
1.4	64QAM	1	0	22.01	21.94	21.73	23.7
1.4	64QAM	1	3	21.85	22.00	21.80	
1.4	64QAM	1	5	22.05	21.94	21.74	
1.4	64QAM	3	0	21.76	21.75	21.72	23.3
1.4	64QAM	3	1	21.78	21.70	21.72	
1.4	64QAM	3	3	21.76	21.73	21.74	
1.4	64QAM	6	0	21.33	21.35	21.32	21.3
1.4	256QAM	1	0	19.39	19.32	19.34	
1.4	256QAM	1	3	19.48	19.37	19.45	
1.4	256QAM	1	5	19.38	19.34	19.34	21.3
1.4	256QAM	3	0	19.33	19.42	19.34	
1.4	256QAM	3	1	19.30	19.33	19.30	
1.4	256QAM	3	3	19.33	19.41	19.30	21.3
1.4	256QAM	6	0	19.37	19.31	19.31	



<LTE Band 12_Ant 0_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.13	24.14	24.12	
10	QPSK	1	25	24.08	24.08	24.10	25.3
10	QPSK	1	49	24.04	24.03	24.00	
10	QPSK	25	0	23.14	23.15	23.08	
10	QPSK	25	12	23.14	23.10	23.08	24.3
10	QPSK	25	25	23.09	23.09	23.04	
10	QPSK	50	0	23.13	23.14	23.13	
10	16QAM	1	0	23.40	23.31	23.31	24.3
10	16QAM	1	25	23.32	23.15	23.23	
10	16QAM	1	49	23.13	23.25	23.14	
10	16QAM	25	0	22.17	22.18	22.16	23.3
10	16QAM	25	12	22.14	22.12	22.12	
10	16QAM	25	25	22.10	22.05	22.06	
10	16QAM	50	0	22.15	22.14	22.11	23.3
10	64QAM	1	0	22.41	22.32	22.33	
10	64QAM	1	25	22.23	22.25	22.31	
10	64QAM	1	49	22.13	22.10	22.08	22.3
10	64QAM	25	0	21.19	21.20	21.14	
10	64QAM	25	12	21.11	21.17	21.14	
10	64QAM	25	25	21.11	21.08	21.09	20.3
10	64QAM	50	0	21.12	21.13	21.10	
10	256QAM	1	0	19.22	19.28	19.23	
10	256QAM	1	25	18.80	18.94	18.88	20.3
10	256QAM	1	49	18.72	18.85	18.80	
10	256QAM	25	0	18.98	19.12	19.07	
10	256QAM	25	12	18.92	19.05	18.94	20.3
10	256QAM	25	25	18.91	19.01	18.94	
10	256QAM	50	0	18.99	19.15	19.00	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.06	24.02	24.12	
5	QPSK	1	12	23.97	24.00	24.06	25.3
5	QPSK	1	24	23.86	23.83	23.94	
5	QPSK	12	0	23.03	23.00	22.96	
5	QPSK	12	7	23.01	23.02	22.98	24.3
5	QPSK	12	13	23.03	22.89	22.94	
5	QPSK	25	0	22.97	23.12	23.05	
5	16QAM	1	0	23.29	23.24	23.28	24.3
5	16QAM	1	12	23.15	23.11	23.04	
5	16QAM	1	24	23.00	23.06	22.99	
5	16QAM	12	0	22.05	22.12	22.12	23.3
5	16QAM	12	7	22.11	22.09	21.94	
5	16QAM	12	13	21.95	21.95	21.99	
5	16QAM	25	0	21.98	21.98	22.08	23.3
5	64QAM	1	0	22.22	22.28	22.22	
5	64QAM	1	12	22.13	22.05	22.14	
5	64QAM	1	24	21.94	22.09	21.92	22.3
5	64QAM	12	0	21.18	21.12	21.05	
5	64QAM	12	7	21.05	20.99	21.09	
5	64QAM	12	13	21.06	20.88	21.01	20.3
5	64QAM	25	0	20.99	21.06	21.01	
5	256QAM	1	0	19.20	19.22	19.15	
5	256QAM	1	12	18.78	18.81	18.77	20.3
5	256QAM	1	24	18.52	18.80	18.75	
5	256QAM	12	0	18.95	19.12	18.94	
5	256QAM	12	7	18.81	19.04	18.78	20.3
5	256QAM	12	13	18.73	18.86	18.92	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.93	19.13	18.91	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.12	24.10	24.05	25.3
3	QPSK	1	8	24.00	24.06	24.03	
3	QPSK	1	14	24.01	23.84	23.91	
3	QPSK	8	0	23.04	23.03	22.91	24.3
3	QPSK	8	4	23.14	23.04	22.92	
3	QPSK	8	7	23.06	22.97	22.92	
3	QPSK	15	0	23.06	23.05	22.96	24.3
3	16QAM	1	0	23.28	23.26	23.21	
3	16QAM	1	8	23.14	23.05	23.09	
3	16QAM	1	14	23.06	23.16	22.94	23.3
3	16QAM	8	0	22.15	22.08	21.96	
3	16QAM	8	4	22.06	22.08	21.93	
3	16QAM	8	7	21.90	21.96	21.86	23.3
3	16QAM	15	0	22.05	22.03	22.01	
3	64QAM	1	0	22.32	22.18	22.26	
3	64QAM	1	8	22.05	22.25	22.14	23.3
3	64QAM	1	14	21.95	21.91	21.88	
3	64QAM	8	0	21.08	21.01	21.14	
3	64QAM	8	4	21.07	21.17	20.97	22.3
3	64QAM	8	7	20.91	21.06	21.07	
3	64QAM	15	0	21.00	20.99	21.08	
3	256QAM	1	0	19.08	19.28	19.22	20.3
3	256QAM	1	8	18.61	18.83	18.78	
3	256QAM	1	14	18.65	18.75	18.64	
3	256QAM	8	0	18.94	18.99	18.98	20.3
3	256QAM	8	4	18.87	18.97	18.83	
3	256QAM	8	7	18.73	18.83	18.86	
3	256QAM	15	0	18.84	19.04	18.91	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.08	23.98	23.99	25.3
1.4	QPSK	1	3	24.03	23.92	23.95	
1.4	QPSK	1	5	23.96	23.96	23.85	
1.4	QPSK	3	0	24.12	24.13	24.09	24.3
1.4	QPSK	3	1	23.95	24.04	24.02	
1.4	QPSK	3	3	23.95	23.83	23.95	
1.4	QPSK	6	0	22.98	23.10	23.01	24.3
1.4	16QAM	1	0	23.08	23.02	22.96	
1.4	16QAM	1	3	22.93	22.95	22.87	
1.4	16QAM	1	5	23.03	23.05	22.96	24.3
1.4	16QAM	3	0	23.27	23.20	23.23	
1.4	16QAM	3	1	23.14	23.07	23.21	
1.4	16QAM	3	3	23.05	23.08	23.02	23.3
1.4	16QAM	6	0	21.99	22.05	22.12	
1.4	64QAM	1	0	22.04	22.07	22.12	
1.4	64QAM	1	3	22.05	21.96	21.89	23.3
1.4	64QAM	1	5	21.96	21.98	21.94	
1.4	64QAM	3	0	22.41	22.12	22.22	
1.4	64QAM	3	1	22.04	22.15	22.18	22.3
1.4	64QAM	3	3	22.12	22.04	22.01	
1.4	64QAM	6	0	21.14	21.11	21.03	
1.4	256QAM	1	0	19.04	19.23	19.21	20.3
1.4	256QAM	1	3	18.60	18.89	18.78	
1.4	256QAM	1	5	18.68	18.76	18.64	
1.4	256QAM	3	0	18.97	18.99	19.04	20.3
1.4	256QAM	3	1	18.73	18.86	18.77	
1.4	256QAM	3	3	18.85	18.85	18.79	
1.4	256QAM	6	0	18.82	19.11	18.95	20.3



<LTE Band 12_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	22.27	22.30	22.28	
10	QPSK	1	25	22.19	22.26	22.16	23
10	QPSK	1	49	22.07	22.11	21.75	
10	QPSK	25	0	22.26	22.26	22.09	
10	QPSK	25	12	22.11	22.19	22.12	23
10	QPSK	25	25	22.08	22.16	22.07	
10	QPSK	50	0	22.12	22.18	22.12	
10	16QAM	1	0	22.14	22.23	22.18	23
10	16QAM	1	25	22.06	21.94	22.00	
10	16QAM	1	49	21.98	22.13	21.94	
10	16QAM	25	0	21.94	22.05	22.03	23
10	16QAM	25	12	21.81	21.94	21.77	
10	16QAM	25	25	21.81	21.87	21.79	
10	16QAM	50	0	21.91	21.94	21.93	23
10	64QAM	1	0	22.13	22.19	21.62	
10	64QAM	1	25	22.10	22.08	21.91	
10	64QAM	1	49	22.12	22.17	21.78	22.2
10	64QAM	25	0	21.31	21.30	21.32	
10	64QAM	25	12	21.32	21.32	21.34	
10	64QAM	25	25	21.30	21.30	21.33	20.2
10	64QAM	50	0	21.33	21.31	21.32	
10	256QAM	1	0	19.38	19.30	19.35	
10	256QAM	1	25	19.39	19.30	19.39	20.2
10	256QAM	1	49	19.30	19.36	19.35	
10	256QAM	25	0	19.30	19.35	19.36	
10	256QAM	25	12	19.36	19.30	19.34	20.2
10	256QAM	25	25	19.38	19.35	19.32	
10	256QAM	50	0	19.35	19.39	19.31	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.17	22.29	22.19	
5	QPSK	1	12	22.14	22.17	22.08	23
5	QPSK	1	24	22.05	22.11	21.73	
5	QPSK	12	0	22.26	22.22	22.02	
5	QPSK	12	7	22.02	22.14	22.04	23
5	QPSK	12	13	21.98	22.11	22.06	
5	QPSK	25	0	22.06	22.12	22.09	
5	16QAM	1	0	22.10	22.22	22.15	23
5	16QAM	1	12	21.96	21.92	21.91	
5	16QAM	1	24	21.94	22.05	21.84	
5	16QAM	12	0	21.86	22.00	22.01	23
5	16QAM	12	7	21.74	21.92	21.73	
5	16QAM	12	13	21.80	21.86	21.72	
5	16QAM	25	0	21.88	21.85	21.92	23
5	64QAM	1	0	22.13	22.17	21.76	
5	64QAM	1	12	22.01	21.99	21.83	
5	64QAM	1	24	22.08	22.09	21.76	22.2
5	64QAM	12	0	21.38	21.33	21.40	
5	64QAM	12	7	21.36	21.39	21.36	
5	64QAM	12	13	21.36	21.40	21.38	20.2
5	64QAM	25	0	21.39	21.34	21.38	
5	256QAM	1	0	19.54	19.46	19.50	
5	256QAM	1	12	19.52	19.48	19.51	20.2
5	256QAM	1	24	19.41	19.46	19.45	
5	256QAM	12	0	19.46	19.45	19.49	
5	256QAM	12	7	19.56	19.46	19.45	20.2
5	256QAM	12	13	19.50	19.55	19.49	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	19.51	19.56	19.45	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.23	22.21	22.18	23
3	QPSK	1	8	22.19	22.17	22.15	
3	QPSK	1	14	22.03	22.08	21.73	
3	QPSK	8	0	22.21	22.16	22.08	23
3	QPSK	8	4	22.02	22.12	22.09	
3	QPSK	8	7	22.08	22.15	21.99	
3	QPSK	15	0	22.04	22.18	22.08	23
3	16QAM	1	0	22.04	22.15	22.14	
3	16QAM	1	8	22.01	21.93	21.97	
3	16QAM	1	14	21.97	22.12	21.88	23
3	16QAM	8	0	21.92	21.99	21.96	
3	16QAM	8	4	21.81	21.89	21.74	
3	16QAM	8	7	21.73	21.87	21.71	23
3	16QAM	15	0	21.88	21.94	21.83	
3	64QAM	1	0	22.08	22.11	21.78	
3	64QAM	1	8	22.03	22.01	21.91	23
3	64QAM	1	14	22.09	22.13	21.78	
3	64QAM	8	0	21.38	21.40	21.41	
3	64QAM	8	4	21.38	21.41	21.43	22.2
3	64QAM	8	7	21.37	21.36	21.36	
3	64QAM	15	0	21.37	21.34	21.38	
3	256QAM	1	0	19.46	19.36	19.40	20.2
3	256QAM	1	8	19.48	19.34	19.48	
3	256QAM	1	14	19.34	19.44	19.40	
3	256QAM	8	0	19.38	19.45	19.39	20.2
3	256QAM	8	4	19.36	19.32	19.40	
3	256QAM	8	7	19.40	19.41	19.38	
3	256QAM	15	0	19.36	19.41	19.32	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.19	22.15	22.10	23
1.4	QPSK	1	3	22.11	22.14	22.01	
1.4	QPSK	1	5	21.83	21.91	21.56	
1.4	QPSK	3	0	22.17	22.13	21.95	23
1.4	QPSK	3	1	21.98	22.13	21.96	
1.4	QPSK	3	3	21.85	22.08	21.87	
1.4	QPSK	6	0	21.97	22.06	22.01	23
1.4	16QAM	1	0	22.09	21.98	22.06	23
1.4	16QAM	1	3	21.93	21.78	21.87	
1.4	16QAM	1	5	21.90	22.06	21.78	
1.4	16QAM	3	0	21.89	21.91	21.91	23
1.4	16QAM	3	1	21.72	21.86	21.77	
1.4	16QAM	3	3	21.77	21.72	21.71	
1.4	16QAM	6	0	21.70	21.81	21.77	23
1.4	64QAM	1	0	22.01	21.94	21.73	23
1.4	64QAM	1	3	21.85	22.00	21.80	
1.4	64QAM	1	5	22.05	21.94	21.74	
1.4	64QAM	3	0	21.76	21.75	21.72	23
1.4	64QAM	3	1	21.78	21.70	21.72	
1.4	64QAM	3	3	21.76	21.73	21.74	
1.4	64QAM	6	0	21.33	21.35	21.32	22.2
1.4	256QAM	1	0	19.39	19.32	19.34	20.2
1.4	256QAM	1	3	19.48	19.37	19.45	
1.4	256QAM	1	5	19.38	19.34	19.34	
1.4	256QAM	3	0	19.33	19.42	19.34	20.2
1.4	256QAM	3	1	19.30	19.33	19.30	
1.4	256QAM	3	3	19.33	19.41	19.30	
1.4	256QAM	6	0	19.37	19.31	19.31	20.2



<LTE Band 12_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.13	24.14	24.12	
10	QPSK	1	25	24.08	24.08	24.10	25.3
10	QPSK	1	49	24.04	24.03	24.00	
10	QPSK	25	0	23.14	23.15	23.08	
10	QPSK	25	12	23.14	23.10	23.08	24.3
10	QPSK	25	25	23.09	23.09	23.04	
10	QPSK	50	0	23.13	23.14	23.13	
10	16QAM	1	0	23.40	23.31	23.31	24.3
10	16QAM	1	25	23.32	23.15	23.23	
10	16QAM	1	49	23.13	23.25	23.14	
10	16QAM	25	0	22.17	22.18	22.16	23.3
10	16QAM	25	12	22.14	22.12	22.12	
10	16QAM	25	25	22.10	22.05	22.06	
10	16QAM	50	0	22.15	22.14	22.11	23.3
10	64QAM	1	0	22.41	22.32	22.33	
10	64QAM	1	25	22.23	22.25	22.31	
10	64QAM	1	49	22.13	22.10	22.08	22.3
10	64QAM	25	0	21.19	21.20	21.14	
10	64QAM	25	12	21.11	21.17	21.14	
10	64QAM	25	25	21.11	21.08	21.09	20.3
10	64QAM	50	0	21.12	21.13	21.10	
10	256QAM	1	0	19.22	19.28	19.23	
10	256QAM	1	25	18.80	18.94	18.88	20.3
10	256QAM	1	49	18.72	18.85	18.80	
10	256QAM	25	0	18.98	19.12	19.07	
10	256QAM	25	12	18.92	19.05	18.94	20.3
10	256QAM	25	25	18.91	19.01	18.94	
10	256QAM	50	0	18.99	19.15	19.00	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.06	24.02	24.12	
5	QPSK	1	12	23.97	24.00	24.06	25.3
5	QPSK	1	24	23.86	23.83	23.94	
5	QPSK	12	0	23.03	23.00	22.96	24.3
5	QPSK	12	7	23.01	23.02	22.98	
5	QPSK	12	13	23.03	22.89	22.94	
5	QPSK	25	0	22.97	23.12	23.05	24.3
5	16QAM	1	0	23.29	23.24	23.28	
5	16QAM	1	12	23.15	23.11	23.04	
5	16QAM	1	24	23.00	23.06	22.99	23.3
5	16QAM	12	0	22.05	22.12	22.12	
5	16QAM	12	7	22.11	22.09	21.94	
5	16QAM	12	13	21.95	21.95	21.99	23.3
5	16QAM	25	0	21.98	21.98	22.08	
5	64QAM	1	0	22.22	22.28	22.22	
5	64QAM	1	12	22.13	22.05	22.14	23.3
5	64QAM	1	24	21.94	22.09	21.92	
5	64QAM	12	0	21.18	21.12	21.05	
5	64QAM	12	7	21.05	20.99	21.09	22.3
5	64QAM	12	13	21.06	20.88	21.01	
5	64QAM	25	0	20.99	21.06	21.01	
5	256QAM	1	0	19.20	19.22	19.15	20.3
5	256QAM	1	12	18.78	18.81	18.77	
5	256QAM	1	24	18.52	18.80	18.75	
5	256QAM	12	0	18.95	19.12	18.94	20.3
5	256QAM	12	7	18.81	19.04	18.78	
5	256QAM	12	13	18.73	18.86	18.92	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.93	19.13	18.91	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.12	24.10	24.05	25.3
3	QPSK	1	8	24.00	24.06	24.03	
3	QPSK	1	14	24.01	23.84	23.91	
3	QPSK	8	0	23.04	23.03	22.91	24.3
3	QPSK	8	4	23.14	23.04	22.92	
3	QPSK	8	7	23.06	22.97	22.92	
3	QPSK	15	0	23.06	23.05	22.96	24.3
3	16QAM	1	0	23.28	23.26	23.21	
3	16QAM	1	8	23.14	23.05	23.09	
3	16QAM	1	14	23.06	23.16	22.94	23.3
3	16QAM	8	0	22.15	22.08	21.96	
3	16QAM	8	4	22.06	22.08	21.93	
3	16QAM	8	7	21.90	21.96	21.86	23.3
3	16QAM	15	0	22.05	22.03	22.01	
3	64QAM	1	0	22.32	22.18	22.26	
3	64QAM	1	8	22.05	22.25	22.14	23.3
3	64QAM	1	14	21.95	21.91	21.88	
3	64QAM	8	0	21.08	21.01	21.14	
3	64QAM	8	4	21.07	21.17	20.97	22.3
3	64QAM	8	7	20.91	21.06	21.07	
3	64QAM	15	0	21.00	20.99	21.08	
3	256QAM	1	0	19.08	19.28	19.22	20.3
3	256QAM	1	8	18.61	18.83	18.78	
3	256QAM	1	14	18.65	18.75	18.64	
3	256QAM	8	0	18.94	18.99	18.98	20.3
3	256QAM	8	4	18.87	18.97	18.83	
3	256QAM	8	7	18.73	18.83	18.86	
3	256QAM	15	0	18.84	19.04	18.91	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.08	23.98	23.99	25.3
1.4	QPSK	1	3	24.03	23.92	23.95	
1.4	QPSK	1	5	23.96	23.96	23.85	
1.4	QPSK	3	0	24.12	24.13	24.09	24.3
1.4	QPSK	3	1	23.95	24.04	24.02	
1.4	QPSK	3	3	23.95	23.83	23.95	
1.4	QPSK	6	0	22.98	23.10	23.01	24.3
1.4	16QAM	1	0	23.08	23.02	22.96	
1.4	16QAM	1	3	22.93	22.95	22.87	
1.4	16QAM	1	5	23.03	23.05	22.96	24.3
1.4	16QAM	3	0	23.27	23.20	23.23	
1.4	16QAM	3	1	23.14	23.07	23.21	
1.4	16QAM	3	3	23.05	23.08	23.02	23.3
1.4	16QAM	6	0	21.99	22.05	22.12	
1.4	64QAM	1	0	22.04	22.07	22.12	
1.4	64QAM	1	3	22.05	21.96	21.89	23.3
1.4	64QAM	1	5	21.96	21.98	21.94	
1.4	64QAM	3	0	22.41	22.12	22.22	
1.4	64QAM	3	1	22.04	22.15	22.18	22.3
1.4	64QAM	3	3	22.12	22.04	22.01	
1.4	64QAM	6	0	21.14	21.11	21.03	
1.4	256QAM	1	0	19.04	19.23	19.21	20.3
1.4	256QAM	1	3	18.60	18.89	18.78	
1.4	256QAM	1	5	18.68	18.76	18.64	
1.4	256QAM	3	0	18.97	18.99	19.04	20.3
1.4	256QAM	3	1	18.73	18.86	18.77	
1.4	256QAM	3	3	18.85	18.85	18.79	
1.4	256QAM	6	0	18.82	19.11	18.95	20.3



<LTE Band 12_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.00	23.96	23.92	
10	QPSK	1	25	23.84	23.88	23.90	25.3
10	QPSK	1	49	23.79	23.77	23.81	
10	QPSK	25	0	23.00	22.93	22.90	
10	QPSK	25	12	22.93	22.92	22.86	24.3
10	QPSK	25	25	22.91	22.81	22.86	
10	QPSK	50	0	22.96	22.95	22.89	
10	16QAM	1	0	23.22	23.17	23.12	24.3
10	16QAM	1	25	23.16	22.96	22.97	
10	16QAM	1	49	22.98	23.00	22.99	
10	16QAM	25	0	22.02	22.00	21.93	23.3
10	16QAM	25	12	21.92	21.93	21.91	
10	16QAM	25	25	21.92	21.90	21.87	
10	16QAM	50	0	21.94	21.91	21.86	23.3
10	64QAM	1	0	22.22	22.19	22.18	
10	64QAM	1	25	22.20	22.05	21.81	
10	64QAM	1	49	21.98	21.90	21.92	22.3
10	64QAM	25	0	21.00	21.04	20.96	
10	64QAM	25	12	20.99	20.96	20.87	
10	64QAM	25	25	20.94	20.84	20.87	20.3
10	64QAM	50	0	20.92	20.89	20.86	
10	256QAM	1	0	19.23	19.21	19.18	
10	256QAM	1	25	19.17	19.16	19.12	20.3
10	256QAM	1	49	19.21	19.20	19.07	
10	256QAM	25	0	18.95	18.96	18.85	
10	256QAM	25	12	18.86	18.93	18.80	20.3
10	256QAM	25	25	18.85	18.90	18.87	
10	256QAM	50	0	18.89	18.89	18.86	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.96	23.94	23.91	
5	QPSK	1	12	23.68	23.71	23.78	25.3
5	QPSK	1	24	23.76	23.66	23.81	
5	QPSK	12	0	22.81	22.90	22.83	
5	QPSK	12	7	22.91	22.92	22.74	24.3
5	QPSK	12	13	22.86	22.76	22.77	
5	QPSK	25	0	22.77	22.95	22.75	
5	16QAM	1	0	23.10	23.09	23.01	24.3
5	16QAM	1	12	22.99	22.84	22.78	
5	16QAM	1	24	22.82	22.90	22.98	
5	16QAM	12	0	21.84	21.87	21.92	23.3
5	16QAM	12	7	21.88	21.79	21.88	
5	16QAM	12	13	21.81	21.83	21.72	
5	16QAM	25	0	21.89	21.90	21.83	23.3
5	64QAM	1	0	22.18	22.00	22.17	
5	64QAM	1	12	22.19	21.92	21.69	
5	64QAM	1	24	21.82	21.79	21.86	22.3
5	64QAM	12	0	20.80	20.91	20.88	
5	64QAM	12	7	20.81	20.88	20.72	
5	64QAM	12	13	20.81	20.76	20.84	20.3
5	64QAM	25	0	20.90	20.75	20.70	
5	256QAM	1	0	19.13	19.18	19.12	
5	256QAM	1	12	19.05	19.04	19.12	20.3
5	256QAM	1	24	19.10	19.05	18.91	
5	256QAM	12	0	18.85	18.76	18.67	
5	256QAM	12	7	18.70	18.78	18.77	20.3
5	256QAM	12	13	18.78	18.77	18.80	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.83	18.71	18.84	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.80	23.94	23.81	25.3
3	QPSK	1	8	23.70	23.88	23.89	
3	QPSK	1	14	23.70	23.77	23.68	
3	QPSK	8	0	22.97	22.92	22.74	24.3
3	QPSK	8	4	22.87	22.82	22.73	
3	QPSK	8	7	22.90	22.67	22.76	
3	QPSK	15	0	22.82	22.79	22.87	24.3
3	16QAM	1	0	23.19	23.09	22.98	
3	16QAM	1	8	23.11	22.94	22.84	
3	16QAM	1	14	22.81	22.87	22.91	23.3
3	16QAM	8	0	21.97	21.86	21.89	
3	16QAM	8	4	21.85	21.82	21.75	
3	16QAM	8	7	21.82	21.85	21.69	23.3
3	16QAM	15	0	21.90	21.76	21.67	
3	64QAM	1	0	22.06	22.05	22.18	
3	64QAM	1	8	22.17	22.05	21.64	23.3
3	64QAM	1	14	21.98	21.86	21.85	
3	64QAM	8	0	20.91	20.84	20.92	22.3
3	64QAM	8	4	20.87	20.88	20.70	
3	64QAM	8	7	20.79	20.83	20.80	
3	64QAM	15	0	20.80	20.82	20.85	20.3
3	256QAM	1	0	19.23	19.20	19.03	
3	256QAM	1	8	19.08	19.11	19.07	
3	256QAM	1	14	19.10	19.19	19.06	20.3
3	256QAM	8	0	18.77	18.89	18.74	
3	256QAM	8	4	18.83	18.84	18.71	
3	256QAM	8	7	18.81	18.87	18.69	20.3
3	256QAM	15	0	18.75	18.82	18.81	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.80	23.86	23.90	25.3
1.4	QPSK	1	3	23.64	23.86	23.72	
1.4	QPSK	1	5	23.66	23.61	23.79	
1.4	QPSK	3	0	23.96	23.85	23.76	24.3
1.4	QPSK	3	1	23.71	23.73	23.88	
1.4	QPSK	3	3	23.67	23.64	23.77	
1.4	QPSK	6	0	22.99	22.84	22.77	24.3
1.4	16QAM	1	0	22.74	22.89	22.75	
1.4	16QAM	1	3	22.73	22.65	22.68	
1.4	16QAM	1	5	22.77	22.91	22.76	24.3
1.4	16QAM	3	0	23.03	23.07	23.01	
1.4	16QAM	3	1	23.05	22.82	22.87	
1.4	16QAM	3	3	22.85	22.97	22.92	23.3
1.4	16QAM	6	0	21.90	22.00	21.74	
1.4	64QAM	1	0	21.90	21.79	21.78	
1.4	64QAM	1	3	21.87	21.88	21.82	23.3
1.4	64QAM	1	5	21.92	21.79	21.80	
1.4	64QAM	3	0	22.17	22.06	22.08	
1.4	64QAM	3	1	22.17	22.02	21.66	22.3
1.4	64QAM	3	3	21.78	21.77	21.80	
1.4	64QAM	6	0	20.97	20.91	20.82	
1.4	256QAM	1	0	19.21	19.10	18.98	20.3
1.4	256QAM	1	3	19.05	19.03	18.98	
1.4	256QAM	1	5	19.04	19.17	18.88	
1.4	256QAM	3	0	18.78	18.82	18.75	20.3
1.4	256QAM	3	1	18.86	18.90	18.63	
1.4	256QAM	3	3	18.74	18.89	18.86	
1.4	256QAM	6	0	18.75	18.76	18.69	20.3



<LTE Band 12_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.13	24.14	24.12	
10	QPSK	1	25	24.08	24.08	24.10	25.3
10	QPSK	1	49	24.04	24.03	24.00	
10	QPSK	25	0	23.14	23.15	23.08	
10	QPSK	25	12	23.14	23.10	23.08	24.3
10	QPSK	25	25	23.09	23.09	23.04	
10	QPSK	50	0	23.13	23.14	23.13	
10	16QAM	1	0	23.40	23.31	23.31	24.3
10	16QAM	1	25	23.32	23.15	23.23	
10	16QAM	1	49	23.13	23.25	23.14	
10	16QAM	25	0	22.17	22.18	22.16	23.3
10	16QAM	25	12	22.14	22.12	22.12	
10	16QAM	25	25	22.10	22.05	22.06	
10	16QAM	50	0	22.15	22.14	22.11	23.3
10	64QAM	1	0	22.41	22.32	22.33	
10	64QAM	1	25	22.23	22.25	22.31	
10	64QAM	1	49	22.13	22.10	22.08	22.3
10	64QAM	25	0	21.19	21.20	21.14	
10	64QAM	25	12	21.11	21.17	21.14	
10	64QAM	25	25	21.11	21.08	21.09	20.3
10	64QAM	50	0	21.12	21.13	21.10	
10	256QAM	1	0	19.22	19.28	19.23	
10	256QAM	1	25	18.80	18.94	18.88	20.3
10	256QAM	1	49	18.72	18.85	18.80	
10	256QAM	25	0	18.98	19.12	19.07	
10	256QAM	25	12	18.92	19.05	18.94	20.3
10	256QAM	25	25	18.91	19.01	18.94	
10	256QAM	50	0	18.99	19.15	19.00	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.06	24.02	24.12	
5	QPSK	1	12	23.97	24.00	24.06	25.3
5	QPSK	1	24	23.86	23.83	23.94	
5	QPSK	12	0	23.03	23.00	22.96	24.3
5	QPSK	12	7	23.01	23.02	22.98	
5	QPSK	12	13	23.03	22.89	22.94	
5	QPSK	25	0	22.97	23.12	23.05	24.3
5	16QAM	1	0	23.29	23.24	23.28	
5	16QAM	1	12	23.15	23.11	23.04	
5	16QAM	1	24	23.00	23.06	22.99	23.3
5	16QAM	12	0	22.05	22.12	22.12	
5	16QAM	12	7	22.11	22.09	21.94	
5	16QAM	12	13	21.95	21.95	21.99	23.3
5	16QAM	25	0	21.98	21.98	22.08	
5	64QAM	1	0	22.22	22.28	22.22	
5	64QAM	1	12	22.13	22.05	22.14	23.3
5	64QAM	1	24	21.94	22.09	21.92	
5	64QAM	12	0	21.18	21.12	21.05	
5	64QAM	12	7	21.05	20.99	21.09	22.3
5	64QAM	12	13	21.06	20.88	21.01	
5	64QAM	25	0	20.99	21.06	21.01	
5	256QAM	1	0	19.20	19.22	19.15	20.3
5	256QAM	1	12	18.78	18.81	18.77	
5	256QAM	1	24	18.52	18.80	18.75	
5	256QAM	12	0	18.95	19.12	18.94	20.3
5	256QAM	12	7	18.81	19.04	18.78	
5	256QAM	12	13	18.73	18.86	18.92	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.93	19.13	18.91	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.12	24.10	24.05	25.3
3	QPSK	1	8	24.00	24.06	24.03	
3	QPSK	1	14	24.01	23.84	23.91	
3	QPSK	8	0	23.04	23.03	22.91	24.3
3	QPSK	8	4	23.14	23.04	22.92	
3	QPSK	8	7	23.06	22.97	22.92	
3	QPSK	15	0	23.06	23.05	22.96	24.3
3	16QAM	1	0	23.28	23.26	23.21	
3	16QAM	1	8	23.14	23.05	23.09	
3	16QAM	1	14	23.06	23.16	22.94	23.3
3	16QAM	8	0	22.15	22.08	21.96	
3	16QAM	8	4	22.06	22.08	21.93	
3	16QAM	8	7	21.90	21.96	21.86	23.3
3	16QAM	15	0	22.05	22.03	22.01	
3	64QAM	1	0	22.32	22.18	22.26	
3	64QAM	1	8	22.05	22.25	22.14	23.3
3	64QAM	1	14	21.95	21.91	21.88	
3	64QAM	8	0	21.08	21.01	21.14	
3	64QAM	8	4	21.07	21.17	20.97	22.3
3	64QAM	8	7	20.91	21.06	21.07	
3	64QAM	15	0	21.00	20.99	21.08	
3	256QAM	1	0	19.08	19.28	19.22	20.3
3	256QAM	1	8	18.61	18.83	18.78	
3	256QAM	1	14	18.65	18.75	18.64	
3	256QAM	8	0	18.94	18.99	18.98	20.3
3	256QAM	8	4	18.87	18.97	18.83	
3	256QAM	8	7	18.73	18.83	18.86	
3	256QAM	15	0	18.84	19.04	18.91	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.08	23.98	23.99	25.3
1.4	QPSK	1	3	24.03	23.92	23.95	
1.4	QPSK	1	5	23.96	23.96	23.85	
1.4	QPSK	3	0	24.12	24.13	24.09	24.3
1.4	QPSK	3	1	23.95	24.04	24.02	
1.4	QPSK	3	3	23.95	23.83	23.95	
1.4	QPSK	6	0	22.98	23.10	23.01	24.3
1.4	16QAM	1	0	23.08	23.02	22.96	
1.4	16QAM	1	3	22.93	22.95	22.87	
1.4	16QAM	1	5	23.03	23.05	22.96	24.3
1.4	16QAM	3	0	23.27	23.20	23.23	
1.4	16QAM	3	1	23.14	23.07	23.21	
1.4	16QAM	3	3	23.05	23.08	23.02	23.3
1.4	16QAM	6	0	21.99	22.05	22.12	
1.4	64QAM	1	0	22.04	22.07	22.12	
1.4	64QAM	1	3	22.05	21.96	21.89	23.3
1.4	64QAM	1	5	21.96	21.98	21.94	
1.4	64QAM	3	0	22.41	22.12	22.22	
1.4	64QAM	3	1	22.04	22.15	22.18	22.3
1.4	64QAM	3	3	22.12	22.04	22.01	
1.4	64QAM	6	0	21.14	21.11	21.03	
1.4	256QAM	1	0	19.04	19.23	19.21	20.3
1.4	256QAM	1	3	18.60	18.89	18.78	
1.4	256QAM	1	5	18.68	18.76	18.64	
1.4	256QAM	3	0	18.97	18.99	19.04	20.3
1.4	256QAM	3	1	18.73	18.86	18.77	
1.4	256QAM	3	3	18.85	18.85	18.79	
1.4	256QAM	6	0	18.82	19.11	18.95	20.3



<LTE Band 12_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.00	23.96	23.92	
10	QPSK	1	25	23.84	23.88	23.90	25.3
10	QPSK	1	49	23.79	23.77	23.81	
10	QPSK	25	0	23.00	22.93	22.90	
10	QPSK	25	12	22.93	22.92	22.86	24.3
10	QPSK	25	25	22.91	22.81	22.86	
10	QPSK	50	0	22.96	22.95	22.89	
10	16QAM	1	0	23.22	23.17	23.12	24.3
10	16QAM	1	25	23.16	22.96	22.97	
10	16QAM	1	49	22.98	23.00	22.99	
10	16QAM	25	0	22.02	22.00	21.93	23.3
10	16QAM	25	12	21.92	21.93	21.91	
10	16QAM	25	25	21.92	21.90	21.87	
10	16QAM	50	0	21.94	21.91	21.86	23.3
10	64QAM	1	0	22.22	22.19	22.18	
10	64QAM	1	25	22.20	22.05	21.81	
10	64QAM	1	49	21.98	21.90	21.92	22.3
10	64QAM	25	0	21.00	21.04	20.96	
10	64QAM	25	12	20.99	20.96	20.87	
10	64QAM	25	25	20.94	20.84	20.87	20.3
10	64QAM	50	0	20.92	20.89	20.86	
10	256QAM	1	0	19.23	19.21	19.18	
10	256QAM	1	25	19.17	19.16	19.12	20.3
10	256QAM	1	49	19.21	19.20	19.07	
10	256QAM	25	0	18.95	18.96	18.85	20.3
10	256QAM	25	12	18.86	18.93	18.80	
10	256QAM	25	25	18.85	18.90	18.87	
10	256QAM	50	0	18.89	18.89	18.86	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.96	23.94	23.91	
5	QPSK	1	12	23.68	23.71	23.78	25.3
5	QPSK	1	24	23.76	23.66	23.81	
5	QPSK	12	0	22.81	22.90	22.83	24.3
5	QPSK	12	7	22.91	22.92	22.74	
5	QPSK	12	13	22.86	22.76	22.77	
5	QPSK	25	0	22.77	22.95	22.75	24.3
5	16QAM	1	0	23.10	23.09	23.01	
5	16QAM	1	12	22.99	22.84	22.78	
5	16QAM	1	24	22.82	22.90	22.98	23.3
5	16QAM	12	0	21.84	21.87	21.92	
5	16QAM	12	7	21.88	21.79	21.88	
5	16QAM	12	13	21.81	21.83	21.72	23.3
5	16QAM	25	0	21.89	21.90	21.83	
5	64QAM	1	0	22.18	22.00	22.17	
5	64QAM	1	12	22.19	21.92	21.69	22.3
5	64QAM	1	24	21.82	21.79	21.86	
5	64QAM	12	0	20.80	20.91	20.88	
5	64QAM	12	7	20.81	20.88	20.72	20.3
5	64QAM	12	13	20.81	20.76	20.84	
5	64QAM	25	0	20.90	20.75	20.70	
5	256QAM	1	0	19.13	19.18	19.12	20.3
5	256QAM	1	12	19.05	19.04	19.12	
5	256QAM	1	24	19.10	19.05	18.91	
5	256QAM	12	0	18.85	18.76	18.67	20.3
5	256QAM	12	7	18.70	18.78	18.77	
5	256QAM	12	13	18.78	18.77	18.80	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.83	18.71	18.84	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.80	23.94	23.81	25.3
3	QPSK	1	8	23.70	23.88	23.89	
3	QPSK	1	14	23.70	23.77	23.68	
3	QPSK	8	0	22.97	22.92	22.74	24.3
3	QPSK	8	4	22.87	22.82	22.73	
3	QPSK	8	7	22.90	22.67	22.76	
3	QPSK	15	0	22.82	22.79	22.87	24.3
3	16QAM	1	0	23.19	23.09	22.98	
3	16QAM	1	8	23.11	22.94	22.84	
3	16QAM	1	14	22.81	22.87	22.91	23.3
3	16QAM	8	0	21.97	21.86	21.89	
3	16QAM	8	4	21.85	21.82	21.75	
3	16QAM	8	7	21.82	21.85	21.69	23.3
3	16QAM	15	0	21.90	21.76	21.67	
3	64QAM	1	0	22.06	22.05	22.18	
3	64QAM	1	8	22.17	22.05	21.64	23.3
3	64QAM	1	14	21.98	21.86	21.85	
3	64QAM	8	0	20.91	20.84	20.92	22.3
3	64QAM	8	4	20.87	20.88	20.70	
3	64QAM	8	7	20.79	20.83	20.80	
3	64QAM	15	0	20.80	20.82	20.85	20.3
3	256QAM	1	0	19.23	19.20	19.03	
3	256QAM	1	8	19.08	19.11	19.07	
3	256QAM	1	14	19.10	19.19	19.06	20.3
3	256QAM	8	0	18.77	18.89	18.74	
3	256QAM	8	4	18.83	18.84	18.71	
3	256QAM	8	7	18.81	18.87	18.69	20.3
3	256QAM	15	0	18.75	18.82	18.81	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.80	23.86	23.90	25.3
1.4	QPSK	1	3	23.64	23.86	23.72	
1.4	QPSK	1	5	23.66	23.61	23.79	
1.4	QPSK	3	0	23.96	23.85	23.76	24.3
1.4	QPSK	3	1	23.71	23.73	23.88	
1.4	QPSK	3	3	23.67	23.64	23.77	
1.4	QPSK	6	0	22.99	22.84	22.77	24.3
1.4	16QAM	1	0	22.74	22.89	22.75	
1.4	16QAM	1	3	22.73	22.65	22.68	
1.4	16QAM	1	5	22.77	22.91	22.76	24.3
1.4	16QAM	3	0	23.03	23.07	23.01	
1.4	16QAM	3	1	23.05	22.82	22.87	
1.4	16QAM	3	3	22.85	22.97	22.92	23.3
1.4	16QAM	6	0	21.90	22.00	21.74	
1.4	64QAM	1	0	21.90	21.79	21.78	
1.4	64QAM	1	3	21.87	21.88	21.82	23.3
1.4	64QAM	1	5	21.92	21.79	21.80	
1.4	64QAM	3	0	22.17	22.06	22.08	
1.4	64QAM	3	1	22.17	22.02	21.66	22.3
1.4	64QAM	3	3	21.78	21.77	21.80	
1.4	64QAM	6	0	20.97	20.91	20.82	
1.4	256QAM	1	0	19.21	19.10	18.98	20.3
1.4	256QAM	1	3	19.05	19.03	18.98	
1.4	256QAM	1	5	19.04	19.17	18.88	
1.4	256QAM	3	0	18.78	18.82	18.75	20.3
1.4	256QAM	3	1	18.86	18.90	18.63	
1.4	256QAM	3	3	18.74	18.89	18.86	
1.4	256QAM	6	0	18.75	18.76	18.69	20.3



<LTE Band 12_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.13	24.14	24.12	
10	QPSK	1	25	24.08	24.08	24.10	25.3
10	QPSK	1	49	24.04	24.03	24.00	
10	QPSK	25	0	23.14	23.15	23.08	
10	QPSK	25	12	23.14	23.10	23.08	24.3
10	QPSK	25	25	23.09	23.09	23.04	
10	QPSK	50	0	23.13	23.14	23.13	
10	16QAM	1	0	23.40	23.31	23.31	24.3
10	16QAM	1	25	23.32	23.15	23.23	
10	16QAM	1	49	23.13	23.25	23.14	
10	16QAM	25	0	22.17	22.18	22.16	23.3
10	16QAM	25	12	22.14	22.12	22.12	
10	16QAM	25	25	22.10	22.05	22.06	
10	16QAM	50	0	22.15	22.14	22.11	23.3
10	64QAM	1	0	22.41	22.32	22.33	
10	64QAM	1	25	22.23	22.25	22.31	
10	64QAM	1	49	22.13	22.10	22.08	22.3
10	64QAM	25	0	21.19	21.20	21.14	
10	64QAM	25	12	21.11	21.17	21.14	
10	64QAM	25	25	21.11	21.08	21.09	20.3
10	64QAM	50	0	21.12	21.13	21.10	
10	256QAM	1	0	19.22	19.28	19.23	
10	256QAM	1	25	18.80	18.94	18.88	20.3
10	256QAM	1	49	18.72	18.85	18.80	
10	256QAM	25	0	18.98	19.12	19.07	
10	256QAM	25	12	18.92	19.05	18.94	20.3
10	256QAM	25	25	18.91	19.01	18.94	
10	256QAM	50	0	18.99	19.15	19.00	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.06	24.02	24.12	
5	QPSK	1	12	23.97	24.00	24.06	25.3
5	QPSK	1	24	23.86	23.83	23.94	
5	QPSK	12	0	23.03	23.00	22.96	
5	QPSK	12	7	23.01	23.02	22.98	24.3
5	QPSK	12	13	23.03	22.89	22.94	
5	QPSK	25	0	22.97	23.12	23.05	
5	16QAM	1	0	23.29	23.24	23.28	24.3
5	16QAM	1	12	23.15	23.11	23.04	
5	16QAM	1	24	23.00	23.06	22.99	
5	16QAM	12	0	22.05	22.12	22.12	23.3
5	16QAM	12	7	22.11	22.09	21.94	
5	16QAM	12	13	21.95	21.95	21.99	
5	16QAM	25	0	21.98	21.98	22.08	23.3
5	64QAM	1	0	22.22	22.28	22.22	
5	64QAM	1	12	22.13	22.05	22.14	
5	64QAM	1	24	21.94	22.09	21.92	22.3
5	64QAM	12	0	21.18	21.12	21.05	
5	64QAM	12	7	21.05	20.99	21.09	
5	64QAM	12	13	21.06	20.88	21.01	20.3
5	64QAM	25	0	20.99	21.06	21.01	
5	256QAM	1	0	19.20	19.22	19.15	
5	256QAM	1	12	18.78	18.81	18.77	20.3
5	256QAM	1	24	18.52	18.80	18.75	
5	256QAM	12	0	18.95	19.12	18.94	
5	256QAM	12	7	18.81	19.04	18.78	20.3
5	256QAM	12	13	18.73	18.86	18.92	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.93	19.13	18.91	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.12	24.10	24.05	25.3
3	QPSK	1	8	24.00	24.06	24.03	
3	QPSK	1	14	24.01	23.84	23.91	
3	QPSK	8	0	23.04	23.03	22.91	24.3
3	QPSK	8	4	23.14	23.04	22.92	
3	QPSK	8	7	23.06	22.97	22.92	
3	QPSK	15	0	23.06	23.05	22.96	24.3
3	16QAM	1	0	23.28	23.26	23.21	
3	16QAM	1	8	23.14	23.05	23.09	
3	16QAM	1	14	23.06	23.16	22.94	23.3
3	16QAM	8	0	22.15	22.08	21.96	
3	16QAM	8	4	22.06	22.08	21.93	
3	16QAM	8	7	21.90	21.96	21.86	23.3
3	16QAM	15	0	22.05	22.03	22.01	
3	64QAM	1	0	22.32	22.18	22.26	
3	64QAM	1	8	22.05	22.25	22.14	23.3
3	64QAM	1	14	21.95	21.91	21.88	
3	64QAM	8	0	21.08	21.01	21.14	
3	64QAM	8	4	21.07	21.17	20.97	22.3
3	64QAM	8	7	20.91	21.06	21.07	
3	64QAM	15	0	21.00	20.99	21.08	
3	256QAM	1	0	19.08	19.28	19.22	20.3
3	256QAM	1	8	18.61	18.83	18.78	
3	256QAM	1	14	18.65	18.75	18.64	
3	256QAM	8	0	18.94	18.99	18.98	20.3
3	256QAM	8	4	18.87	18.97	18.83	
3	256QAM	8	7	18.73	18.83	18.86	
3	256QAM	15	0	18.84	19.04	18.91	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.08	23.98	23.99	25.3
1.4	QPSK	1	3	24.03	23.92	23.95	
1.4	QPSK	1	5	23.96	23.96	23.85	
1.4	QPSK	3	0	24.12	24.13	24.09	24.3
1.4	QPSK	3	1	23.95	24.04	24.02	
1.4	QPSK	3	3	23.95	23.83	23.95	
1.4	QPSK	6	0	22.98	23.10	23.01	24.3
1.4	16QAM	1	0	23.08	23.02	22.96	
1.4	16QAM	1	3	22.93	22.95	22.87	
1.4	16QAM	1	5	23.03	23.05	22.96	24.3
1.4	16QAM	3	0	23.27	23.20	23.23	
1.4	16QAM	3	1	23.14	23.07	23.21	
1.4	16QAM	3	3	23.05	23.08	23.02	23.3
1.4	16QAM	6	0	21.99	22.05	22.12	
1.4	64QAM	1	0	22.04	22.07	22.12	
1.4	64QAM	1	3	22.05	21.96	21.89	23.3
1.4	64QAM	1	5	21.96	21.98	21.94	
1.4	64QAM	3	0	22.41	22.12	22.22	
1.4	64QAM	3	1	22.04	22.15	22.18	22.3
1.4	64QAM	3	3	22.12	22.04	22.01	
1.4	64QAM	6	0	21.14	21.11	21.03	
1.4	256QAM	1	0	19.04	19.23	19.21	20.3
1.4	256QAM	1	3	18.60	18.89	18.78	
1.4	256QAM	1	5	18.68	18.76	18.64	
1.4	256QAM	3	0	18.97	18.99	19.04	20.3
1.4	256QAM	3	1	18.73	18.86	18.77	
1.4	256QAM	3	3	18.85	18.85	18.79	
1.4	256QAM	6	0	18.82	19.11	18.95	20.3



<LTE Band 12_Ant 1_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.00	23.96	23.92	
10	QPSK	1	25	23.84	23.88	23.90	25.3
10	QPSK	1	49	23.79	23.77	23.81	
10	QPSK	25	0	23.00	22.93	22.90	
10	QPSK	25	12	22.93	22.92	22.86	24.3
10	QPSK	25	25	22.91	22.81	22.86	
10	QPSK	50	0	22.96	22.95	22.89	
10	16QAM	1	0	23.22	23.17	23.12	24.3
10	16QAM	1	25	23.16	22.96	22.97	
10	16QAM	1	49	22.98	23.00	22.99	
10	16QAM	25	0	22.02	22.00	21.93	23.3
10	16QAM	25	12	21.92	21.93	21.91	
10	16QAM	25	25	21.92	21.90	21.87	
10	16QAM	50	0	21.94	21.91	21.86	23.3
10	64QAM	1	0	22.22	22.19	22.18	
10	64QAM	1	25	22.20	22.05	21.81	
10	64QAM	1	49	21.98	21.90	21.92	22.3
10	64QAM	25	0	21.00	21.04	20.96	
10	64QAM	25	12	20.99	20.96	20.87	
10	64QAM	25	25	20.94	20.84	20.87	20.3
10	64QAM	50	0	20.92	20.89	20.86	
10	256QAM	1	0	19.23	19.21	19.18	
10	256QAM	1	25	19.17	19.16	19.12	20.3
10	256QAM	1	49	19.21	19.20	19.07	
10	256QAM	25	0	18.95	18.96	18.85	
10	256QAM	25	12	18.86	18.93	18.80	20.3
10	256QAM	25	25	18.85	18.90	18.87	
10	256QAM	50	0	18.89	18.89	18.86	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.96	23.94	23.91	
5	QPSK	1	12	23.68	23.71	23.78	25.3
5	QPSK	1	24	23.76	23.66	23.81	
5	QPSK	12	0	22.81	22.90	22.83	
5	QPSK	12	7	22.91	22.92	22.74	24.3
5	QPSK	12	13	22.86	22.76	22.77	
5	QPSK	25	0	22.77	22.95	22.75	
5	16QAM	1	0	23.10	23.09	23.01	24.3
5	16QAM	1	12	22.99	22.84	22.78	
5	16QAM	1	24	22.82	22.90	22.98	
5	16QAM	12	0	21.84	21.87	21.92	23.3
5	16QAM	12	7	21.88	21.79	21.88	
5	16QAM	12	13	21.81	21.83	21.72	
5	16QAM	25	0	21.89	21.90	21.83	23.3
5	64QAM	1	0	22.18	22.00	22.17	
5	64QAM	1	12	22.19	21.92	21.69	
5	64QAM	1	24	21.82	21.79	21.86	22.3
5	64QAM	12	0	20.80	20.91	20.88	
5	64QAM	12	7	20.81	20.88	20.72	
5	64QAM	12	13	20.81	20.76	20.84	20.3
5	64QAM	25	0	20.90	20.75	20.70	
5	256QAM	1	0	19.13	19.18	19.12	
5	256QAM	1	12	19.05	19.04	19.12	20.3
5	256QAM	1	24	19.10	19.05	18.91	
5	256QAM	12	0	18.85	18.76	18.67	
5	256QAM	12	7	18.70	18.78	18.77	20.3
5	256QAM	12	13	18.78	18.77	18.80	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.83	18.71	18.84	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.80	23.94	23.81	25.3
3	QPSK	1	8	23.70	23.88	23.89	
3	QPSK	1	14	23.70	23.77	23.68	
3	QPSK	8	0	22.97	22.92	22.74	24.3
3	QPSK	8	4	22.87	22.82	22.73	
3	QPSK	8	7	22.90	22.67	22.76	
3	QPSK	15	0	22.82	22.79	22.87	24.3
3	16QAM	1	0	23.19	23.09	22.98	
3	16QAM	1	8	23.11	22.94	22.84	
3	16QAM	1	14	22.81	22.87	22.91	23.3
3	16QAM	8	0	21.97	21.86	21.89	
3	16QAM	8	4	21.85	21.82	21.75	
3	16QAM	8	7	21.82	21.85	21.69	23.3
3	16QAM	15	0	21.90	21.76	21.67	
3	64QAM	1	0	22.06	22.05	22.18	
3	64QAM	1	8	22.17	22.05	21.64	23.3
3	64QAM	1	14	21.98	21.86	21.85	
3	64QAM	8	0	20.91	20.84	20.92	22.3
3	64QAM	8	4	20.87	20.88	20.70	
3	64QAM	8	7	20.79	20.83	20.80	
3	64QAM	15	0	20.80	20.82	20.85	20.3
3	256QAM	1	0	19.23	19.20	19.03	
3	256QAM	1	8	19.08	19.11	19.07	
3	256QAM	1	14	19.10	19.19	19.06	20.3
3	256QAM	8	0	18.77	18.89	18.74	
3	256QAM	8	4	18.83	18.84	18.71	
3	256QAM	8	7	18.81	18.87	18.69	20.3
3	256QAM	15	0	18.75	18.82	18.81	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.80	23.86	23.90	25.3
1.4	QPSK	1	3	23.64	23.86	23.72	
1.4	QPSK	1	5	23.66	23.61	23.79	
1.4	QPSK	3	0	23.96	23.85	23.76	24.3
1.4	QPSK	3	1	23.71	23.73	23.88	
1.4	QPSK	3	3	23.67	23.64	23.77	
1.4	QPSK	6	0	22.99	22.84	22.77	24.3
1.4	16QAM	1	0	22.74	22.89	22.75	
1.4	16QAM	1	3	22.73	22.65	22.68	
1.4	16QAM	1	5	22.77	22.91	22.76	24.3
1.4	16QAM	3	0	23.03	23.07	23.01	
1.4	16QAM	3	1	23.05	22.82	22.87	
1.4	16QAM	3	3	22.85	22.97	22.92	23.3
1.4	16QAM	6	0	21.90	22.00	21.74	
1.4	64QAM	1	0	21.90	21.79	21.78	
1.4	64QAM	1	3	21.87	21.88	21.82	23.3
1.4	64QAM	1	5	21.92	21.79	21.80	
1.4	64QAM	3	0	22.17	22.06	22.08	
1.4	64QAM	3	1	22.17	22.02	21.66	22.3
1.4	64QAM	3	3	21.78	21.77	21.80	
1.4	64QAM	6	0	20.97	20.91	20.82	
1.4	256QAM	1	0	19.21	19.10	18.98	20.3
1.4	256QAM	1	3	19.05	19.03	18.98	
1.4	256QAM	1	5	19.04	19.17	18.88	
1.4	256QAM	3	0	18.78	18.82	18.75	20.3
1.4	256QAM	3	1	18.86	18.90	18.63	
1.4	256QAM	3	3	18.74	18.89	18.86	
1.4	256QAM	6	0	18.75	18.76	18.69	20.3



<LTE Band 12_Ant 0_Index 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				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.13	24.14	24.12	
10	QPSK	1	25	24.08	24.08	24.10	25.3
10	QPSK	1	49	24.04	24.03	24.00	
10	QPSK	25	0	23.14	23.15	23.08	
10	QPSK	25	12	23.14	23.10	23.08	24.3
10	QPSK	25	25	23.09	23.09	23.04	
10	QPSK	50	0	23.13	23.14	23.13	
10	16QAM	1	0	23.40	23.31	23.31	24.3
10	16QAM	1	25	23.32	23.15	23.23	
10	16QAM	1	49	23.13	23.25	23.14	
10	16QAM	25	0	22.17	22.18	22.16	23.3
10	16QAM	25	12	22.14	22.12	22.12	
10	16QAM	25	25	22.10	22.05	22.06	
10	16QAM	50	0	22.15	22.14	22.11	23.3
10	64QAM	1	0	22.41	22.32	22.33	
10	64QAM	1	25	22.23	22.25	22.31	
10	64QAM	1	49	22.13	22.10	22.08	22.3
10	64QAM	25	0	21.19	21.20	21.14	
10	64QAM	25	12	21.11	21.17	21.14	
10	64QAM	25	25	21.11	21.08	21.09	20.3
10	64QAM	50	0	21.12	21.13	21.10	
10	256QAM	1	0	19.22	19.28	19.23	
10	256QAM	1	25	18.80	18.94	18.88	20.3
10	256QAM	1	49	18.72	18.85	18.80	
10	256QAM	25	0	18.98	19.12	19.07	
10	256QAM	25	12	18.92	19.05	18.94	20.3
10	256QAM	25	25	18.91	19.01	18.94	
10	256QAM	50	0	18.99	19.15	19.00	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.06	24.02	24.12	
5	QPSK	1	12	23.97	24.00	24.06	25.3
5	QPSK	1	24	23.86	23.83	23.94	
5	QPSK	12	0	23.03	23.00	22.96	
5	QPSK	12	7	23.01	23.02	22.98	24.3
5	QPSK	12	13	23.03	22.89	22.94	
5	QPSK	25	0	22.97	23.12	23.05	
5	16QAM	1	0	23.29	23.24	23.28	24.3
5	16QAM	1	12	23.15	23.11	23.04	
5	16QAM	1	24	23.00	23.06	22.99	
5	16QAM	12	0	22.05	22.12	22.12	23.3
5	16QAM	12	7	22.11	22.09	21.94	
5	16QAM	12	13	21.95	21.95	21.99	
5	16QAM	25	0	21.98	21.98	22.08	23.3
5	64QAM	1	0	22.22	22.28	22.22	
5	64QAM	1	12	22.13	22.05	22.14	
5	64QAM	1	24	21.94	22.09	21.92	22.3
5	64QAM	12	0	21.18	21.12	21.05	
5	64QAM	12	7	21.05	20.99	21.09	
5	64QAM	12	13	21.06	20.88	21.01	20.3
5	64QAM	25	0	20.99	21.06	21.01	
5	256QAM	1	0	19.20	19.22	19.15	
5	256QAM	1	12	18.78	18.81	18.77	20.3
5	256QAM	1	24	18.52	18.80	18.75	
5	256QAM	12	0	18.95	19.12	18.94	
5	256QAM	12	7	18.81	19.04	18.78	20.3
5	256QAM	12	13	18.73	18.86	18.92	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.93	19.13	18.91	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.12	24.10	24.05	25.3
3	QPSK	1	8	24.00	24.06	24.03	
3	QPSK	1	14	24.01	23.84	23.91	
3	QPSK	8	0	23.04	23.03	22.91	24.3
3	QPSK	8	4	23.14	23.04	22.92	
3	QPSK	8	7	23.06	22.97	22.92	
3	QPSK	15	0	23.06	23.05	22.96	24.3
3	16QAM	1	0	23.28	23.26	23.21	
3	16QAM	1	8	23.14	23.05	23.09	
3	16QAM	1	14	23.06	23.16	22.94	23.3
3	16QAM	8	0	22.15	22.08	21.96	
3	16QAM	8	4	22.06	22.08	21.93	
3	16QAM	8	7	21.90	21.96	21.86	23.3
3	16QAM	15	0	22.05	22.03	22.01	
3	64QAM	1	0	22.32	22.18	22.26	
3	64QAM	1	8	22.05	22.25	22.14	23.3
3	64QAM	1	14	21.95	21.91	21.88	
3	64QAM	8	0	21.08	21.01	21.14	
3	64QAM	8	4	21.07	21.17	20.97	22.3
3	64QAM	8	7	20.91	21.06	21.07	
3	64QAM	15	0	21.00	20.99	21.08	
3	256QAM	1	0	19.08	19.28	19.22	20.3
3	256QAM	1	8	18.61	18.83	18.78	
3	256QAM	1	14	18.65	18.75	18.64	
3	256QAM	8	0	18.94	18.99	18.98	20.3
3	256QAM	8	4	18.87	18.97	18.83	
3	256QAM	8	7	18.73	18.83	18.86	
3	256QAM	15	0	18.84	19.04	18.91	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.08	23.98	23.99	25.3
1.4	QPSK	1	3	24.03	23.92	23.95	
1.4	QPSK	1	5	23.96	23.96	23.85	
1.4	QPSK	3	0	24.12	24.13	24.09	24.3
1.4	QPSK	3	1	23.95	24.04	24.02	
1.4	QPSK	3	3	23.95	23.83	23.95	
1.4	QPSK	6	0	22.98	23.10	23.01	24.3
1.4	16QAM	1	0	23.08	23.02	22.96	
1.4	16QAM	1	3	22.93	22.95	22.87	
1.4	16QAM	1	5	23.03	23.05	22.96	24.3
1.4	16QAM	3	0	23.27	23.20	23.23	
1.4	16QAM	3	1	23.14	23.07	23.21	
1.4	16QAM	3	3	23.05	23.08	23.02	23.3
1.4	16QAM	6	0	21.99	22.05	22.12	
1.4	64QAM	1	0	22.04	22.07	22.12	
1.4	64QAM	1	3	22.05	21.96	21.89	23.3
1.4	64QAM	1	5	21.96	21.98	21.94	
1.4	64QAM	3	0	22.41	22.12	22.22	
1.4	64QAM	3	1	22.04	22.15	22.18	22.3
1.4	64QAM	3	3	22.12	22.04	22.01	
1.4	64QAM	6	0	21.14	21.11	21.03	
1.4	256QAM	1	0	19.04	19.23	19.21	20.3
1.4	256QAM	1	3	18.60	18.89	18.78	
1.4	256QAM	1	5	18.68	18.76	18.64	
1.4	256QAM	3	0	18.97	18.99	19.04	20.3
1.4	256QAM	3	1	18.73	18.86	18.77	
1.4	256QAM	3	3	18.85	18.85	18.79	
1.4	256QAM	6	0	18.82	19.11	18.95	20.3



<LTE Band 12_Ant 1_Index 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				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.00	23.96	23.92	
10	QPSK	1	25	23.84	23.88	23.90	25.3
10	QPSK	1	49	23.79	23.77	23.81	
10	QPSK	25	0	23.00	22.93	22.90	
10	QPSK	25	12	22.93	22.92	22.86	24.3
10	QPSK	25	25	22.91	22.81	22.86	
10	QPSK	50	0	22.96	22.95	22.89	
10	16QAM	1	0	23.22	23.17	23.12	24.3
10	16QAM	1	25	23.16	22.96	22.97	
10	16QAM	1	49	22.98	23.00	22.99	
10	16QAM	25	0	22.02	22.00	21.93	23.3
10	16QAM	25	12	21.92	21.93	21.91	
10	16QAM	25	25	21.92	21.90	21.87	
10	16QAM	50	0	21.94	21.91	21.86	23.3
10	64QAM	1	0	22.22	22.19	22.18	
10	64QAM	1	25	22.20	22.05	21.81	
10	64QAM	1	49	21.98	21.90	21.92	22.3
10	64QAM	25	0	21.00	21.04	20.96	
10	64QAM	25	12	20.99	20.96	20.87	
10	64QAM	25	25	20.94	20.84	20.87	20.3
10	64QAM	50	0	20.92	20.89	20.86	
10	256QAM	1	0	19.23	19.21	19.18	
10	256QAM	1	25	19.17	19.16	19.12	20.3
10	256QAM	1	49	19.21	19.20	19.07	
10	256QAM	25	0	18.95	18.96	18.85	
10	256QAM	25	12	18.86	18.93	18.80	20.3
10	256QAM	25	25	18.85	18.90	18.87	
10	256QAM	50	0	18.89	18.89	18.86	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.96	23.94	23.91	
5	QPSK	1	12	23.68	23.71	23.78	25.3
5	QPSK	1	24	23.76	23.66	23.81	
5	QPSK	12	0	22.81	22.90	22.83	
5	QPSK	12	7	22.91	22.92	22.74	24.3
5	QPSK	12	13	22.86	22.76	22.77	
5	QPSK	25	0	22.77	22.95	22.75	
5	16QAM	1	0	23.10	23.09	23.01	24.3
5	16QAM	1	12	22.99	22.84	22.78	
5	16QAM	1	24	22.82	22.90	22.98	
5	16QAM	12	0	21.84	21.87	21.92	23.3
5	16QAM	12	7	21.88	21.79	21.88	
5	16QAM	12	13	21.81	21.83	21.72	
5	16QAM	25	0	21.89	21.90	21.83	23.3
5	64QAM	1	0	22.18	22.00	22.17	
5	64QAM	1	12	22.19	21.92	21.69	
5	64QAM	1	24	21.82	21.79	21.86	22.3
5	64QAM	12	0	20.80	20.91	20.88	
5	64QAM	12	7	20.81	20.88	20.72	
5	64QAM	12	13	20.81	20.76	20.84	20.3
5	64QAM	25	0	20.90	20.75	20.70	
5	256QAM	1	0	19.13	19.18	19.12	
5	256QAM	1	12	19.05	19.04	19.12	20.3
5	256QAM	1	24	19.10	19.05	18.91	
5	256QAM	12	0	18.85	18.76	18.67	
5	256QAM	12	7	18.70	18.78	18.77	20.3
5	256QAM	12	13	18.78	18.77	18.80	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.83	18.71	18.84	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.80	23.94	23.81	25.3
3	QPSK	1	8	23.70	23.88	23.89	
3	QPSK	1	14	23.70	23.77	23.68	
3	QPSK	8	0	22.97	22.92	22.74	24.3
3	QPSK	8	4	22.87	22.82	22.73	
3	QPSK	8	7	22.90	22.67	22.76	
3	QPSK	15	0	22.82	22.79	22.87	24.3
3	16QAM	1	0	23.19	23.09	22.98	
3	16QAM	1	8	23.11	22.94	22.84	
3	16QAM	1	14	22.81	22.87	22.91	23.3
3	16QAM	8	0	21.97	21.86	21.89	
3	16QAM	8	4	21.85	21.82	21.75	
3	16QAM	8	7	21.82	21.85	21.69	23.3
3	16QAM	15	0	21.90	21.76	21.67	
3	64QAM	1	0	22.06	22.05	22.18	
3	64QAM	1	8	22.17	22.05	21.64	23.3
3	64QAM	1	14	21.98	21.86	21.85	
3	64QAM	8	0	20.91	20.84	20.92	22.3
3	64QAM	8	4	20.87	20.88	20.70	
3	64QAM	8	7	20.79	20.83	20.80	
3	64QAM	15	0	20.80	20.82	20.85	20.3
3	256QAM	1	0	19.23	19.20	19.03	
3	256QAM	1	8	19.08	19.11	19.07	
3	256QAM	1	14	19.10	19.19	19.06	20.3
3	256QAM	8	0	18.77	18.89	18.74	
3	256QAM	8	4	18.83	18.84	18.71	
3	256QAM	8	7	18.81	18.87	18.69	20.3
3	256QAM	15	0	18.75	18.82	18.81	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.80	23.86	23.90	25.3
1.4	QPSK	1	3	23.64	23.86	23.72	
1.4	QPSK	1	5	23.66	23.61	23.79	
1.4	QPSK	3	0	23.96	23.85	23.76	24.3
1.4	QPSK	3	1	23.71	23.73	23.88	
1.4	QPSK	3	3	23.67	23.64	23.77	
1.4	QPSK	6	0	22.99	22.84	22.77	24.3
1.4	16QAM	1	0	22.74	22.89	22.75	
1.4	16QAM	1	3	22.73	22.65	22.68	
1.4	16QAM	1	5	22.77	22.91	22.76	24.3
1.4	16QAM	3	0	23.03	23.07	23.01	
1.4	16QAM	3	1	23.05	22.82	22.87	
1.4	16QAM	3	3	22.85	22.97	22.92	23.3
1.4	16QAM	6	0	21.90	22.00	21.74	
1.4	64QAM	1	0	21.90	21.79	21.78	
1.4	64QAM	1	3	21.87	21.88	21.82	23.3
1.4	64QAM	1	5	21.92	21.79	21.80	
1.4	64QAM	3	0	22.17	22.06	22.08	
1.4	64QAM	3	1	22.17	22.02	21.66	22.3
1.4	64QAM	3	3	21.78	21.77	21.80	
1.4	64QAM	6	0	20.97	20.91	20.82	
1.4	256QAM	1	0	19.21	19.10	18.98	20.3
1.4	256QAM	1	3	19.05	19.03	18.98	
1.4	256QAM	1	5	19.04	19.17	18.88	
1.4	256QAM	3	0	18.78	18.82	18.75	20.3
1.4	256QAM	3	1	18.86	18.90	18.63	
1.4	256QAM	3	3	18.74	18.89	18.86	
1.4	256QAM	6	0	18.75	18.76	18.69	20.3



<LTE Band 12_Ant 0_Index 9>

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	24.13	24.14	24.12	
10	QPSK	1	25	24.08	24.08	24.10	25.3
10	QPSK	1	49	24.04	24.03	24.00	
10	QPSK	25	0	23.14	23.15	23.08	
10	QPSK	25	12	23.14	23.10	23.08	24.3
10	QPSK	25	25	23.09	23.09	23.04	
10	QPSK	50	0	23.13	23.14	23.13	
10	16QAM	1	0	23.40	23.31	23.31	24.3
10	16QAM	1	25	23.32	23.15	23.23	
10	16QAM	1	49	23.13	23.25	23.14	
10	16QAM	25	0	22.17	22.18	22.16	23.3
10	16QAM	25	12	22.14	22.12	22.12	
10	16QAM	25	25	22.10	22.05	22.06	
10	16QAM	50	0	22.15	22.14	22.11	23.3
10	64QAM	1	0	22.41	22.32	22.33	
10	64QAM	1	25	22.23	22.25	22.31	
10	64QAM	1	49	22.13	22.10	22.08	22.3
10	64QAM	25	0	21.19	21.20	21.14	
10	64QAM	25	12	21.11	21.17	21.14	
10	64QAM	25	25	21.11	21.08	21.09	20.3
10	64QAM	50	0	21.12	21.13	21.10	
10	256QAM	1	0	19.22	19.28	19.23	
10	256QAM	1	25	18.80	18.94	18.88	20.3
10	256QAM	1	49	18.72	18.85	18.80	
10	256QAM	25	0	18.98	19.12	19.07	
10	256QAM	25	12	18.92	19.05	18.94	20.3
10	256QAM	25	25	18.91	19.01	18.94	
10	256QAM	50	0	18.99	19.15	19.00	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.06	24.02	24.12	
5	QPSK	1	12	23.97	24.00	24.06	25.3
5	QPSK	1	24	23.86	23.83	23.94	
5	QPSK	12	0	23.03	23.00	22.96	
5	QPSK	12	7	23.01	23.02	22.98	24.3
5	QPSK	12	13	23.03	22.89	22.94	
5	QPSK	25	0	22.97	23.12	23.05	
5	16QAM	1	0	23.29	23.24	23.28	24.3
5	16QAM	1	12	23.15	23.11	23.04	
5	16QAM	1	24	23.00	23.06	22.99	
5	16QAM	12	0	22.05	22.12	22.12	23.3
5	16QAM	12	7	22.11	22.09	21.94	
5	16QAM	12	13	21.95	21.95	21.99	
5	16QAM	25	0	21.98	21.98	22.08	23.3
5	64QAM	1	0	22.22	22.28	22.22	
5	64QAM	1	12	22.13	22.05	22.14	
5	64QAM	1	24	21.94	22.09	21.92	22.3
5	64QAM	12	0	21.18	21.12	21.05	
5	64QAM	12	7	21.05	20.99	21.09	
5	64QAM	12	13	21.06	20.88	21.01	20.3
5	64QAM	25	0	20.99	21.06	21.01	
5	256QAM	1	0	19.20	19.22	19.15	
5	256QAM	1	12	18.78	18.81	18.77	20.3
5	256QAM	1	24	18.52	18.80	18.75	
5	256QAM	12	0	18.95	19.12	18.94	
5	256QAM	12	7	18.81	19.04	18.78	20.3
5	256QAM	12	13	18.73	18.86	18.92	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.93	19.13	18.91	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.12	24.10	24.05	25.3
3	QPSK	1	8	24.00	24.06	24.03	
3	QPSK	1	14	24.01	23.84	23.91	
3	QPSK	8	0	23.04	23.03	22.91	24.3
3	QPSK	8	4	23.14	23.04	22.92	
3	QPSK	8	7	23.06	22.97	22.92	
3	QPSK	15	0	23.06	23.05	22.96	24.3
3	16QAM	1	0	23.28	23.26	23.21	
3	16QAM	1	8	23.14	23.05	23.09	
3	16QAM	1	14	23.06	23.16	22.94	23.3
3	16QAM	8	0	22.15	22.08	21.96	
3	16QAM	8	4	22.06	22.08	21.93	
3	16QAM	8	7	21.90	21.96	21.86	23.3
3	16QAM	15	0	22.05	22.03	22.01	
3	64QAM	1	0	22.32	22.18	22.26	
3	64QAM	1	8	22.05	22.25	22.14	23.3
3	64QAM	1	14	21.95	21.91	21.88	
3	64QAM	8	0	21.08	21.01	21.14	
3	64QAM	8	4	21.07	21.17	20.97	22.3
3	64QAM	8	7	20.91	21.06	21.07	
3	64QAM	15	0	21.00	20.99	21.08	
3	256QAM	1	0	19.08	19.28	19.22	20.3
3	256QAM	1	8	18.61	18.83	18.78	
3	256QAM	1	14	18.65	18.75	18.64	
3	256QAM	8	0	18.94	18.99	18.98	20.3
3	256QAM	8	4	18.87	18.97	18.83	
3	256QAM	8	7	18.73	18.83	18.86	
3	256QAM	15	0	18.84	19.04	18.91	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.08	23.98	23.99	25.3
1.4	QPSK	1	3	24.03	23.92	23.95	
1.4	QPSK	1	5	23.96	23.96	23.85	
1.4	QPSK	3	0	24.12	24.13	24.09	24.3
1.4	QPSK	3	1	23.95	24.04	24.02	
1.4	QPSK	3	3	23.95	23.83	23.95	
1.4	QPSK	6	0	22.98	23.10	23.01	24.3
1.4	16QAM	1	0	23.08	23.02	22.96	
1.4	16QAM	1	3	22.93	22.95	22.87	
1.4	16QAM	1	5	23.03	23.05	22.96	24.3
1.4	16QAM	3	0	23.27	23.20	23.23	
1.4	16QAM	3	1	23.14	23.07	23.21	
1.4	16QAM	3	3	23.05	23.08	23.02	23.3
1.4	16QAM	6	0	21.99	22.05	22.12	
1.4	64QAM	1	0	22.04	22.07	22.12	
1.4	64QAM	1	3	22.05	21.96	21.89	23.3
1.4	64QAM	1	5	21.96	21.98	21.94	
1.4	64QAM	3	0	22.41	22.12	22.22	
1.4	64QAM	3	1	22.04	22.15	22.18	22.3
1.4	64QAM	3	3	22.12	22.04	22.01	
1.4	64QAM	6	0	21.14	21.11	21.03	
1.4	256QAM	1	0	19.04	19.23	19.21	20.3
1.4	256QAM	1	3	18.60	18.89	18.78	
1.4	256QAM	1	5	18.68	18.76	18.64	
1.4	256QAM	3	0	18.97	18.99	19.04	20.3
1.4	256QAM	3	1	18.73	18.86	18.77	
1.4	256QAM	3	3	18.85	18.85	18.79	
1.4	256QAM	6	0	18.82	19.11	18.95	20.3



<LTE Band 12_Ant 1_Index 9>

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	24.00	23.96	23.92	
10	QPSK	1	25	23.84	23.88	23.90	25.3
10	QPSK	1	49	23.79	23.77	23.81	
10	QPSK	25	0	23.00	22.93	22.90	
10	QPSK	25	12	22.93	22.92	22.86	24.3
10	QPSK	25	25	22.91	22.81	22.86	
10	QPSK	50	0	22.96	22.95	22.89	
10	16QAM	1	0	23.22	23.17	23.12	24.3
10	16QAM	1	25	23.16	22.96	22.97	
10	16QAM	1	49	22.98	23.00	22.99	
10	16QAM	25	0	22.02	22.00	21.93	23.3
10	16QAM	25	12	21.92	21.93	21.91	
10	16QAM	25	25	21.92	21.90	21.87	
10	16QAM	50	0	21.94	21.91	21.86	23.3
10	64QAM	1	0	22.22	22.19	22.18	
10	64QAM	1	25	22.20	22.05	21.81	
10	64QAM	1	49	21.98	21.90	21.92	22.3
10	64QAM	25	0	21.00	21.04	20.96	
10	64QAM	25	12	20.99	20.96	20.87	
10	64QAM	25	25	20.94	20.84	20.87	20.3
10	64QAM	50	0	20.92	20.89	20.86	
10	256QAM	1	0	19.23	19.21	19.18	
10	256QAM	1	25	19.17	19.16	19.12	20.3
10	256QAM	1	49	19.21	19.20	19.07	
10	256QAM	25	0	18.95	18.96	18.85	
10	256QAM	25	12	18.86	18.93	18.80	20.3
10	256QAM	25	25	18.85	18.90	18.87	
10	256QAM	50	0	18.89	18.89	18.86	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.96	23.94	23.91	
5	QPSK	1	12	23.68	23.71	23.78	25.3
5	QPSK	1	24	23.76	23.66	23.81	
5	QPSK	12	0	22.81	22.90	22.83	
5	QPSK	12	7	22.91	22.92	22.74	24.3
5	QPSK	12	13	22.86	22.76	22.77	
5	QPSK	25	0	22.77	22.95	22.75	
5	16QAM	1	0	23.10	23.09	23.01	24.3
5	16QAM	1	12	22.99	22.84	22.78	
5	16QAM	1	24	22.82	22.90	22.98	
5	16QAM	12	0	21.84	21.87	21.92	23.3
5	16QAM	12	7	21.88	21.79	21.88	
5	16QAM	12	13	21.81	21.83	21.72	
5	16QAM	25	0	21.89	21.90	21.83	23.3
5	64QAM	1	0	22.18	22.00	22.17	
5	64QAM	1	12	22.19	21.92	21.69	
5	64QAM	1	24	21.82	21.79	21.86	22.3
5	64QAM	12	0	20.80	20.91	20.88	
5	64QAM	12	7	20.81	20.88	20.72	
5	64QAM	12	13	20.81	20.76	20.84	20.3
5	64QAM	25	0	20.90	20.75	20.70	
5	256QAM	1	0	19.13	19.18	19.12	
5	256QAM	1	12	19.05	19.04	19.12	20.3
5	256QAM	1	24	19.10	19.05	18.91	
5	256QAM	12	0	18.85	18.76	18.67	
5	256QAM	12	7	18.70	18.78	18.77	20.3
5	256QAM	12	13	18.78	18.77	18.80	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.83	18.71	18.84	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.80	23.94	23.81	25.3
3	QPSK	1	8	23.70	23.88	23.89	
3	QPSK	1	14	23.70	23.77	23.68	
3	QPSK	8	0	22.97	22.92	22.74	24.3
3	QPSK	8	4	22.87	22.82	22.73	
3	QPSK	8	7	22.90	22.67	22.76	
3	QPSK	15	0	22.82	22.79	22.87	24.3
3	16QAM	1	0	23.19	23.09	22.98	
3	16QAM	1	8	23.11	22.94	22.84	
3	16QAM	1	14	22.81	22.87	22.91	23.3
3	16QAM	8	0	21.97	21.86	21.89	
3	16QAM	8	4	21.85	21.82	21.75	
3	16QAM	8	7	21.82	21.85	21.69	23.3
3	16QAM	15	0	21.90	21.76	21.67	
3	64QAM	1	0	22.06	22.05	22.18	
3	64QAM	1	8	22.17	22.05	21.64	23.3
3	64QAM	1	14	21.98	21.86	21.85	
3	64QAM	8	0	20.91	20.84	20.92	22.3
3	64QAM	8	4	20.87	20.88	20.70	
3	64QAM	8	7	20.79	20.83	20.80	
3	64QAM	15	0	20.80	20.82	20.85	20.3
3	256QAM	1	0	19.23	19.20	19.03	
3	256QAM	1	8	19.08	19.11	19.07	
3	256QAM	1	14	19.10	19.19	19.06	20.3
3	256QAM	8	0	18.77	18.89	18.74	
3	256QAM	8	4	18.83	18.84	18.71	
3	256QAM	8	7	18.81	18.87	18.69	20.3
3	256QAM	15	0	18.75	18.82	18.81	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.80	23.86	23.90	25.3
1.4	QPSK	1	3	23.64	23.86	23.72	
1.4	QPSK	1	5	23.66	23.61	23.79	
1.4	QPSK	3	0	23.96	23.85	23.76	24.3
1.4	QPSK	3	1	23.71	23.73	23.88	
1.4	QPSK	3	3	23.67	23.64	23.77	
1.4	QPSK	6	0	22.99	22.84	22.77	24.3
1.4	16QAM	1	0	22.74	22.89	22.75	
1.4	16QAM	1	3	22.73	22.65	22.68	
1.4	16QAM	1	5	22.77	22.91	22.76	24.3
1.4	16QAM	3	0	23.03	23.07	23.01	
1.4	16QAM	3	1	23.05	22.82	22.87	
1.4	16QAM	3	3	22.85	22.97	22.92	23.3
1.4	16QAM	6	0	21.90	22.00	21.74	
1.4	64QAM	1	0	21.90	21.79	21.78	
1.4	64QAM	1	3	21.87	21.88	21.82	23.3
1.4	64QAM	1	5	21.92	21.79	21.80	
1.4	64QAM	3	0	22.17	22.06	22.08	
1.4	64QAM	3	1	22.17	22.02	21.66	22.3
1.4	64QAM	3	3	21.78	21.77	21.80	
1.4	64QAM	6	0	20.97	20.91	20.82	
1.4	256QAM	1	0	19.21	19.10	18.98	20.3
1.4	256QAM	1	3	19.05	19.03	18.98	
1.4	256QAM	1	5	19.04	19.17	18.88	
1.4	256QAM	3	0	18.78	18.82	18.75	20.3
1.4	256QAM	3	1	18.86	18.90	18.63	
1.4	256QAM	3	3	18.74	18.89	18.86	
1.4	256QAM	6	0	18.75	18.76	18.69	20.3



<LTE Band 12_Ant 0_Index 10>

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	24.13	24.14	24.12	
10	QPSK	1	25	24.08	24.08	24.10	25.3
10	QPSK	1	49	24.04	24.03	24.00	
10	QPSK	25	0	23.14	23.15	23.08	
10	QPSK	25	12	23.14	23.10	23.08	24.3
10	QPSK	25	25	23.09	23.09	23.04	
10	QPSK	50	0	23.13	23.14	23.13	
10	16QAM	1	0	23.40	23.31	23.31	24.3
10	16QAM	1	25	23.32	23.15	23.23	
10	16QAM	1	49	23.13	23.25	23.14	
10	16QAM	25	0	22.17	22.18	22.16	23.3
10	16QAM	25	12	22.14	22.12	22.12	
10	16QAM	25	25	22.10	22.05	22.06	
10	16QAM	50	0	22.15	22.14	22.11	23.3
10	64QAM	1	0	22.41	22.32	22.33	
10	64QAM	1	25	22.23	22.25	22.31	
10	64QAM	1	49	22.13	22.10	22.08	22.3
10	64QAM	25	0	21.19	21.20	21.14	
10	64QAM	25	12	21.11	21.17	21.14	
10	64QAM	25	25	21.11	21.08	21.09	20.3
10	64QAM	50	0	21.12	21.13	21.10	
10	256QAM	1	0	19.22	19.28	19.23	
10	256QAM	1	25	18.80	18.94	18.88	20.3
10	256QAM	1	49	18.72	18.85	18.80	
10	256QAM	25	0	18.98	19.12	19.07	
10	256QAM	25	12	18.92	19.05	18.94	20.3
10	256QAM	25	25	18.91	19.01	18.94	
10	256QAM	50	0	18.99	19.15	19.00	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.06	24.02	24.12	
5	QPSK	1	12	23.97	24.00	24.06	25.3
5	QPSK	1	24	23.86	23.83	23.94	
5	QPSK	12	0	23.03	23.00	22.96	
5	QPSK	12	7	23.01	23.02	22.98	24.3
5	QPSK	12	13	23.03	22.89	22.94	
5	QPSK	25	0	22.97	23.12	23.05	
5	16QAM	1	0	23.29	23.24	23.28	24.3
5	16QAM	1	12	23.15	23.11	23.04	
5	16QAM	1	24	23.00	23.06	22.99	
5	16QAM	12	0	22.05	22.12	22.12	23.3
5	16QAM	12	7	22.11	22.09	21.94	
5	16QAM	12	13	21.95	21.95	21.99	
5	16QAM	25	0	21.98	21.98	22.08	23.3
5	64QAM	1	0	22.22	22.28	22.22	
5	64QAM	1	12	22.13	22.05	22.14	
5	64QAM	1	24	21.94	22.09	21.92	22.3
5	64QAM	12	0	21.18	21.12	21.05	
5	64QAM	12	7	21.05	20.99	21.09	
5	64QAM	12	13	21.06	20.88	21.01	20.3
5	64QAM	25	0	20.99	21.06	21.01	
5	256QAM	1	0	19.20	19.22	19.15	
5	256QAM	1	12	18.78	18.81	18.77	20.3
5	256QAM	1	24	18.52	18.80	18.75	
5	256QAM	12	0	18.95	19.12	18.94	
5	256QAM	12	7	18.81	19.04	18.78	20.3
5	256QAM	12	13	18.73	18.86	18.92	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.93	19.13	18.91	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.12	24.10	24.05	25.3
3	QPSK	1	8	24.00	24.06	24.03	
3	QPSK	1	14	24.01	23.84	23.91	
3	QPSK	8	0	23.04	23.03	22.91	24.3
3	QPSK	8	4	23.14	23.04	22.92	
3	QPSK	8	7	23.06	22.97	22.92	
3	QPSK	15	0	23.06	23.05	22.96	24.3
3	16QAM	1	0	23.28	23.26	23.21	
3	16QAM	1	8	23.14	23.05	23.09	
3	16QAM	1	14	23.06	23.16	22.94	23.3
3	16QAM	8	0	22.15	22.08	21.96	
3	16QAM	8	4	22.06	22.08	21.93	
3	16QAM	8	7	21.90	21.96	21.86	23.3
3	16QAM	15	0	22.05	22.03	22.01	
3	64QAM	1	0	22.32	22.18	22.26	
3	64QAM	1	8	22.05	22.25	22.14	23.3
3	64QAM	1	14	21.95	21.91	21.88	
3	64QAM	8	0	21.08	21.01	21.14	
3	64QAM	8	4	21.07	21.17	20.97	22.3
3	64QAM	8	7	20.91	21.06	21.07	
3	64QAM	15	0	21.00	20.99	21.08	
3	256QAM	1	0	19.08	19.28	19.22	20.3
3	256QAM	1	8	18.61	18.83	18.78	
3	256QAM	1	14	18.65	18.75	18.64	
3	256QAM	8	0	18.94	18.99	18.98	20.3
3	256QAM	8	4	18.87	18.97	18.83	
3	256QAM	8	7	18.73	18.83	18.86	
3	256QAM	15	0	18.84	19.04	18.91	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.08	23.98	23.99	25.3
1.4	QPSK	1	3	24.03	23.92	23.95	
1.4	QPSK	1	5	23.96	23.96	23.85	
1.4	QPSK	3	0	24.12	24.13	24.09	24.3
1.4	QPSK	3	1	23.95	24.04	24.02	
1.4	QPSK	3	3	23.95	23.83	23.95	
1.4	QPSK	6	0	22.98	23.10	23.01	24.3
1.4	16QAM	1	0	23.08	23.02	22.96	
1.4	16QAM	1	3	22.93	22.95	22.87	
1.4	16QAM	1	5	23.03	23.05	22.96	24.3
1.4	16QAM	3	0	23.27	23.20	23.23	
1.4	16QAM	3	1	23.14	23.07	23.21	
1.4	16QAM	3	3	23.05	23.08	23.02	23.3
1.4	16QAM	6	0	21.99	22.05	22.12	
1.4	64QAM	1	0	22.04	22.07	22.12	
1.4	64QAM	1	3	22.05	21.96	21.89	23.3
1.4	64QAM	1	5	21.96	21.98	21.94	
1.4	64QAM	3	0	22.41	22.12	22.22	
1.4	64QAM	3	1	22.04	22.15	22.18	22.3
1.4	64QAM	3	3	22.12	22.04	22.01	
1.4	64QAM	6	0	21.14	21.11	21.03	
1.4	256QAM	1	0	19.04	19.23	19.21	20.3
1.4	256QAM	1	3	18.60	18.89	18.78	
1.4	256QAM	1	5	18.68	18.76	18.64	
1.4	256QAM	3	0	18.97	18.99	19.04	20.3
1.4	256QAM	3	1	18.73	18.86	18.77	
1.4	256QAM	3	3	18.85	18.85	18.79	
1.4	256QAM	6	0	18.82	19.11	18.95	20.3



<LTE Band 12_Ant 1_Index 10>

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	24.00	23.96	23.92	
10	QPSK	1	25	23.84	23.88	23.90	25.3
10	QPSK	1	49	23.79	23.77	23.81	
10	QPSK	25	0	23.00	22.93	22.90	
10	QPSK	25	12	22.93	22.92	22.86	24.3
10	QPSK	25	25	22.91	22.81	22.86	
10	QPSK	50	0	22.96	22.95	22.89	
10	16QAM	1	0	23.22	23.17	23.12	24.3
10	16QAM	1	25	23.16	22.96	22.97	
10	16QAM	1	49	22.98	23.00	22.99	
10	16QAM	25	0	22.02	22.00	21.93	23.3
10	16QAM	25	12	21.92	21.93	21.91	
10	16QAM	25	25	21.92	21.90	21.87	
10	16QAM	50	0	21.94	21.91	21.86	23.3
10	64QAM	1	0	22.22	22.19	22.18	
10	64QAM	1	25	22.20	22.05	21.81	
10	64QAM	1	49	21.98	21.90	21.92	22.3
10	64QAM	25	0	21.00	21.04	20.96	
10	64QAM	25	12	20.99	20.96	20.87	
10	64QAM	25	25	20.94	20.84	20.87	20.3
10	64QAM	50	0	20.92	20.89	20.86	
10	256QAM	1	0	19.23	19.21	19.18	
10	256QAM	1	25	19.17	19.16	19.12	20.3
10	256QAM	1	49	19.21	19.20	19.07	
10	256QAM	25	0	18.95	18.96	18.85	
10	256QAM	25	12	18.86	18.93	18.80	20.3
10	256QAM	25	25	18.85	18.90	18.87	
10	256QAM	50	0	18.89	18.89	18.86	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.96	23.94	23.91	
5	QPSK	1	12	23.68	23.71	23.78	25.3
5	QPSK	1	24	23.76	23.66	23.81	
5	QPSK	12	0	22.81	22.90	22.83	
5	QPSK	12	7	22.91	22.92	22.74	24.3
5	QPSK	12	13	22.86	22.76	22.77	
5	QPSK	25	0	22.77	22.95	22.75	
5	16QAM	1	0	23.10	23.09	23.01	24.3
5	16QAM	1	12	22.99	22.84	22.78	
5	16QAM	1	24	22.82	22.90	22.98	
5	16QAM	12	0	21.84	21.87	21.92	23.3
5	16QAM	12	7	21.88	21.79	21.88	
5	16QAM	12	13	21.81	21.83	21.72	
5	16QAM	25	0	21.89	21.90	21.83	23.3
5	64QAM	1	0	22.18	22.00	22.17	
5	64QAM	1	12	22.19	21.92	21.69	
5	64QAM	1	24	21.82	21.79	21.86	22.3
5	64QAM	12	0	20.80	20.91	20.88	
5	64QAM	12	7	20.81	20.88	20.72	
5	64QAM	12	13	20.81	20.76	20.84	20.3
5	64QAM	25	0	20.90	20.75	20.70	
5	256QAM	1	0	19.13	19.18	19.12	
5	256QAM	1	12	19.05	19.04	19.12	20.3
5	256QAM	1	24	19.10	19.05	18.91	
5	256QAM	12	0	18.85	18.76	18.67	
5	256QAM	12	7	18.70	18.78	18.77	20.3
5	256QAM	12	13	18.78	18.77	18.80	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.83	18.71	18.84	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.80	23.94	23.81	25.3
3	QPSK	1	8	23.70	23.88	23.89	
3	QPSK	1	14	23.70	23.77	23.68	
3	QPSK	8	0	22.97	22.92	22.74	24.3
3	QPSK	8	4	22.87	22.82	22.73	
3	QPSK	8	7	22.90	22.67	22.76	
3	QPSK	15	0	22.82	22.79	22.87	24.3
3	16QAM	1	0	23.19	23.09	22.98	
3	16QAM	1	8	23.11	22.94	22.84	
3	16QAM	1	14	22.81	22.87	22.91	23.3
3	16QAM	8	0	21.97	21.86	21.89	
3	16QAM	8	4	21.85	21.82	21.75	
3	16QAM	8	7	21.82	21.85	21.69	23.3
3	16QAM	15	0	21.90	21.76	21.67	
3	64QAM	1	0	22.06	22.05	22.18	
3	64QAM	1	8	22.17	22.05	21.64	23.3
3	64QAM	1	14	21.98	21.86	21.85	
3	64QAM	8	0	20.91	20.84	20.92	22.3
3	64QAM	8	4	20.87	20.88	20.70	
3	64QAM	8	7	20.79	20.83	20.80	
3	64QAM	15	0	20.80	20.82	20.85	20.3
3	256QAM	1	0	19.23	19.20	19.03	
3	256QAM	1	8	19.08	19.11	19.07	
3	256QAM	1	14	19.10	19.19	19.06	20.3
3	256QAM	8	0	18.77	18.89	18.74	
3	256QAM	8	4	18.83	18.84	18.71	
3	256QAM	8	7	18.81	18.87	18.69	20.3
3	256QAM	15	0	18.75	18.82	18.81	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.80	23.86	23.90	25.3
1.4	QPSK	1	3	23.64	23.86	23.72	
1.4	QPSK	1	5	23.66	23.61	23.79	
1.4	QPSK	3	0	23.96	23.85	23.76	24.3
1.4	QPSK	3	1	23.71	23.73	23.88	
1.4	QPSK	3	3	23.67	23.64	23.77	
1.4	QPSK	6	0	22.99	22.84	22.77	24.3
1.4	16QAM	1	0	22.74	22.89	22.75	
1.4	16QAM	1	3	22.73	22.65	22.68	
1.4	16QAM	1	5	22.77	22.91	22.76	24.3
1.4	16QAM	3	0	23.03	23.07	23.01	
1.4	16QAM	3	1	23.05	22.82	22.87	
1.4	16QAM	3	3	22.85	22.97	22.92	23.3
1.4	16QAM	6	0	21.90	22.00	21.74	
1.4	64QAM	1	0	21.90	21.79	21.78	
1.4	64QAM	1	3	21.87	21.88	21.82	23.3
1.4	64QAM	1	5	21.92	21.79	21.80	
1.4	64QAM	3	0	22.17	22.06	22.08	
1.4	64QAM	3	1	22.17	22.02	21.66	22.3
1.4	64QAM	3	3	21.78	21.77	21.80	
1.4	64QAM	6	0	20.97	20.91	20.82	
1.4	256QAM	1	0	19.21	19.10	18.98	20.3
1.4	256QAM	1	3	19.05	19.03	18.98	
1.4	256QAM	1	5	19.04	19.17	18.88	
1.4	256QAM	3	0	18.78	18.82	18.75	20.3
1.4	256QAM	3	1	18.86	18.90	18.63	
1.4	256QAM	3	3	18.74	18.89	18.86	
1.4	256QAM	6	0	18.75	18.76	18.69	20.3



<LTE Band 12_Ant 0_Index 11>

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	24.13	24.14	24.12	
10	QPSK	1	25	24.08	24.08	24.10	25.3
10	QPSK	1	49	24.04	24.03	24.00	
10	QPSK	25	0	23.14	23.15	23.08	
10	QPSK	25	12	23.14	23.10	23.08	24.3
10	QPSK	25	25	23.09	23.09	23.04	
10	QPSK	50	0	23.13	23.14	23.13	
10	16QAM	1	0	23.40	23.31	23.31	24.3
10	16QAM	1	25	23.32	23.15	23.23	
10	16QAM	1	49	23.13	23.25	23.14	
10	16QAM	25	0	22.17	22.18	22.16	23.3
10	16QAM	25	12	22.14	22.12	22.12	
10	16QAM	25	25	22.10	22.05	22.06	
10	16QAM	50	0	22.15	22.14	22.11	23.3
10	64QAM	1	0	22.41	22.32	22.33	
10	64QAM	1	25	22.23	22.25	22.31	
10	64QAM	1	49	22.13	22.10	22.08	22.3
10	64QAM	25	0	21.19	21.20	21.14	
10	64QAM	25	12	21.11	21.17	21.14	
10	64QAM	25	25	21.11	21.08	21.09	20.3
10	64QAM	50	0	21.12	21.13	21.10	
10	256QAM	1	0	19.22	19.28	19.23	
10	256QAM	1	25	18.80	18.94	18.88	20.3
10	256QAM	1	49	18.72	18.85	18.80	
10	256QAM	25	0	18.98	19.12	19.07	
10	256QAM	25	12	18.92	19.05	18.94	20.3
10	256QAM	25	25	18.91	19.01	18.94	
10	256QAM	50	0	18.99	19.15	19.00	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.06	24.02	24.12	
5	QPSK	1	12	23.97	24.00	24.06	25.3
5	QPSK	1	24	23.86	23.83	23.94	
5	QPSK	12	0	23.03	23.00	22.96	
5	QPSK	12	7	23.01	23.02	22.98	24.3
5	QPSK	12	13	23.03	22.89	22.94	
5	QPSK	25	0	22.97	23.12	23.05	
5	16QAM	1	0	23.29	23.24	23.28	24.3
5	16QAM	1	12	23.15	23.11	23.04	
5	16QAM	1	24	23.00	23.06	22.99	
5	16QAM	12	0	22.05	22.12	22.12	23.3
5	16QAM	12	7	22.11	22.09	21.94	
5	16QAM	12	13	21.95	21.95	21.99	
5	16QAM	25	0	21.98	21.98	22.08	23.3
5	64QAM	1	0	22.22	22.28	22.22	
5	64QAM	1	12	22.13	22.05	22.14	
5	64QAM	1	24	21.94	22.09	21.92	22.3
5	64QAM	12	0	21.18	21.12	21.05	
5	64QAM	12	7	21.05	20.99	21.09	
5	64QAM	12	13	21.06	20.88	21.01	20.3
5	64QAM	25	0	20.99	21.06	21.01	
5	256QAM	1	0	19.20	19.22	19.15	
5	256QAM	1	12	18.78	18.81	18.77	20.3
5	256QAM	1	24	18.52	18.80	18.75	
5	256QAM	12	0	18.95	19.12	18.94	
5	256QAM	12	7	18.81	19.04	18.78	20.3
5	256QAM	12	13	18.73	18.86	18.92	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.93	19.13	18.91	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.12	24.10	24.05	25.3
3	QPSK	1	8	24.00	24.06	24.03	
3	QPSK	1	14	24.01	23.84	23.91	
3	QPSK	8	0	23.04	23.03	22.91	24.3
3	QPSK	8	4	23.14	23.04	22.92	
3	QPSK	8	7	23.06	22.97	22.92	
3	QPSK	15	0	23.06	23.05	22.96	24.3
3	16QAM	1	0	23.28	23.26	23.21	
3	16QAM	1	8	23.14	23.05	23.09	
3	16QAM	1	14	23.06	23.16	22.94	23.3
3	16QAM	8	0	22.15	22.08	21.96	
3	16QAM	8	4	22.06	22.08	21.93	
3	16QAM	8	7	21.90	21.96	21.86	23.3
3	16QAM	15	0	22.05	22.03	22.01	
3	64QAM	1	0	22.32	22.18	22.26	
3	64QAM	1	8	22.05	22.25	22.14	23.3
3	64QAM	1	14	21.95	21.91	21.88	
3	64QAM	8	0	21.08	21.01	21.14	
3	64QAM	8	4	21.07	21.17	20.97	22.3
3	64QAM	8	7	20.91	21.06	21.07	
3	64QAM	15	0	21.00	20.99	21.08	
3	256QAM	1	0	19.08	19.28	19.22	20.3
3	256QAM	1	8	18.61	18.83	18.78	
3	256QAM	1	14	18.65	18.75	18.64	
3	256QAM	8	0	18.94	18.99	18.98	20.3
3	256QAM	8	4	18.87	18.97	18.83	
3	256QAM	8	7	18.73	18.83	18.86	
3	256QAM	15	0	18.84	19.04	18.91	Tune-up limit (dBm)
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.08	23.98	23.99	25.3
1.4	QPSK	1	3	24.03	23.92	23.95	
1.4	QPSK	1	5	23.96	23.96	23.85	
1.4	QPSK	3	0	24.12	24.13	24.09	24.3
1.4	QPSK	3	1	23.95	24.04	24.02	
1.4	QPSK	3	3	23.95	23.83	23.95	
1.4	QPSK	6	0	22.98	23.10	23.01	24.3
1.4	16QAM	1	0	23.08	23.02	22.96	
1.4	16QAM	1	3	22.93	22.95	22.87	
1.4	16QAM	1	5	23.03	23.05	22.96	24.3
1.4	16QAM	3	0	23.27	23.20	23.23	
1.4	16QAM	3	1	23.14	23.07	23.21	
1.4	16QAM	3	3	23.05	23.08	23.02	23.3
1.4	16QAM	6	0	21.99	22.05	22.12	
1.4	64QAM	1	0	22.04	22.07	22.12	
1.4	64QAM	1	3	22.05	21.96	21.89	23.3
1.4	64QAM	1	5	21.96	21.98	21.94	
1.4	64QAM	3	0	22.41	22.12	22.22	
1.4	64QAM	3	1	22.04	22.15	22.18	22.3
1.4	64QAM	3	3	22.12	22.04	22.01	
1.4	64QAM	6	0	21.14	21.11	21.03	
1.4	256QAM	1	0	19.04	19.23	19.21	20.3
1.4	256QAM	1	3	18.60	18.89	18.78	
1.4	256QAM	1	5	18.68	18.76	18.64	
1.4	256QAM	3	0	18.97	18.99	19.04	20.3
1.4	256QAM	3	1	18.73	18.86	18.77	
1.4	256QAM	3	3	18.85	18.85	18.79	
1.4	256QAM	6	0	18.82	19.11	18.95	20.3



<LTE Band 12_Ant 1_Index 11>

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	24.00	23.96	23.92	
10	QPSK	1	25	23.84	23.88	23.90	25.3
10	QPSK	1	49	23.79	23.77	23.81	
10	QPSK	25	0	23.00	22.93	22.90	
10	QPSK	25	12	22.93	22.92	22.86	24.3
10	QPSK	25	25	22.91	22.81	22.86	
10	QPSK	50	0	22.96	22.95	22.89	
10	16QAM	1	0	23.22	23.17	23.12	24.3
10	16QAM	1	25	23.16	22.96	22.97	
10	16QAM	1	49	22.98	23.00	22.99	
10	16QAM	25	0	22.02	22.00	21.93	23.3
10	16QAM	25	12	21.92	21.93	21.91	
10	16QAM	25	25	21.92	21.90	21.87	
10	16QAM	50	0	21.94	21.91	21.86	23.3
10	64QAM	1	0	22.22	22.19	22.18	
10	64QAM	1	25	22.20	22.05	21.81	
10	64QAM	1	49	21.98	21.90	21.92	22.3
10	64QAM	25	0	21.00	21.04	20.96	
10	64QAM	25	12	20.99	20.96	20.87	
10	64QAM	25	25	20.94	20.84	20.87	20.3
10	64QAM	50	0	20.92	20.89	20.86	
10	256QAM	1	0	19.23	19.21	19.18	
10	256QAM	1	25	19.17	19.16	19.12	20.3
10	256QAM	1	49	19.21	19.20	19.07	
10	256QAM	25	0	18.95	18.96	18.85	
10	256QAM	25	12	18.86	18.93	18.80	20.3
10	256QAM	25	25	18.85	18.90	18.87	
10	256QAM	50	0	18.89	18.89	18.86	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.96	23.94	23.91	
5	QPSK	1	12	23.68	23.71	23.78	25.3
5	QPSK	1	24	23.76	23.66	23.81	
5	QPSK	12	0	22.81	22.90	22.83	
5	QPSK	12	7	22.91	22.92	22.74	24.3
5	QPSK	12	13	22.86	22.76	22.77	
5	QPSK	25	0	22.77	22.95	22.75	
5	16QAM	1	0	23.10	23.09	23.01	24.3
5	16QAM	1	12	22.99	22.84	22.78	
5	16QAM	1	24	22.82	22.90	22.98	
5	16QAM	12	0	21.84	21.87	21.92	23.3
5	16QAM	12	7	21.88	21.79	21.88	
5	16QAM	12	13	21.81	21.83	21.72	
5	16QAM	25	0	21.89	21.90	21.83	23.3
5	64QAM	1	0	22.18	22.00	22.17	
5	64QAM	1	12	22.19	21.92	21.69	
5	64QAM	1	24	21.82	21.79	21.86	22.3
5	64QAM	12	0	20.80	20.91	20.88	
5	64QAM	12	7	20.81	20.88	20.72	
5	64QAM	12	13	20.81	20.76	20.84	20.3
5	64QAM	25	0	20.90	20.75	20.70	
5	256QAM	1	0	19.13	19.18	19.12	
5	256QAM	1	12	19.05	19.04	19.12	20.3
5	256QAM	1	24	19.10	19.05	18.91	
5	256QAM	12	0	18.85	18.76	18.67	
5	256QAM	12	7	18.70	18.78	18.77	20.3
5	256QAM	12	13	18.78	18.77	18.80	



FCC SAR TEST REPORT

Report No. : FA4N0920C

5	256QAM	25	0	18.83	18.71	18.84	Tune-up limit (dBm)
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.80	23.94	23.81	25.3
3	QPSK	1	8	23.70	23.88	23.89	
3	QPSK	1	14	23.70	23.77	23.68	
3	QPSK	8	0	22.97	22.92	22.74	24.3
3	QPSK	8	4	22.87	22.82	22.73	
3	QPSK	8	7	22.90	22.67	22.76	
3	QPSK	15	0	22.82	22.79	22.87	24.3
3	16QAM	1	0	23.19	23.09	22.98	
3	16QAM	1	8	23.11	22.94	22.84	
3	16QAM	1	14	22.81	22.87	22.91	23.3
3	16QAM	8	0	21.97	21.86	21.89	
3	16QAM	8	4	21.85	21.82	21.75	
3	16QAM	8	7	21.82	21.85	21.69	23.3
3	16QAM	15	0	21.90	21.76	21.67	
3	64QAM	1	0	22.06	22.05	22.18	
3	64QAM	1	8	22.17	22.05	21.64	23.3
3	64QAM	1	14	21.98	21.86	21.85	
3	64QAM	8	0	20.91	20.84	20.92	22.3
3	64QAM	8	4	20.87	20.88	20.70	
3	64QAM	8	7	20.79	20.83	20.80	
3	64QAM	15	0	20.80	20.82	20.85	20.3
3	256QAM	1	0	19.23	19.20	19.03	
3	256QAM	1	8	19.08	19.11	19.07	
3	256QAM	1	14	19.10	19.19	19.06	20.3
3	256QAM	8	0	18.77	18.89	18.74	
3	256QAM	8	4	18.83	18.84	18.71	
3	256QAM	8	7	18.81	18.87	18.69	20.3
3	256QAM	15	0	18.75	18.82	18.81	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.80	23.86	23.90	25.3
1.4	QPSK	1	3	23.64	23.86	23.72	
1.4	QPSK	1	5	23.66	23.61	23.79	
1.4	QPSK	3	0	23.96	23.85	23.76	24.3
1.4	QPSK	3	1	23.71	23.73	23.88	
1.4	QPSK	3	3	23.67	23.64	23.77	
1.4	QPSK	6	0	22.99	22.84	22.77	24.3
1.4	16QAM	1	0	22.74	22.89	22.75	
1.4	16QAM	1	3	22.73	22.65	22.68	
1.4	16QAM	1	5	22.77	22.91	22.76	24.3
1.4	16QAM	3	0	23.03	23.07	23.01	
1.4	16QAM	3	1	23.05	22.82	22.87	
1.4	16QAM	3	3	22.85	22.97	22.92	23.3
1.4	16QAM	6	0	21.90	22.00	21.74	
1.4	64QAM	1	0	21.90	21.79	21.78	
1.4	64QAM	1	3	21.87	21.88	21.82	23.3
1.4	64QAM	1	5	21.92	21.79	21.80	
1.4	64QAM	3	0	22.17	22.06	22.08	
1.4	64QAM	3	1	22.17	22.02	21.66	22.3
1.4	64QAM	3	3	21.78	21.77	21.80	
1.4	64QAM	6	0	20.97	20.91	20.82	
1.4	256QAM	1	0	19.21	19.10	18.98	20.3
1.4	256QAM	1	3	19.05	19.03	18.98	
1.4	256QAM	1	5	19.04	19.17	18.88	
1.4	256QAM	3	0	18.78	18.82	18.75	20.3
1.4	256QAM	3	1	18.86	18.90	18.63	
1.4	256QAM	3	3	18.74	18.89	18.86	
1.4	256QAM	6	0	18.75	18.76	18.69	20.3

**<LTE Band 13_Ant 0_Index 2>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.30		25.3
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.12		
10	QPSK	25	0		23.30		24.3
10	QPSK	25	12		23.28		
10	QPSK	25	25		23.24		
10	QPSK	50	0		23.28		24.3
10	16QAM	1	0		23.47		
10	16QAM	1	25		23.30		
10	16QAM	1	49		23.28		23.3
10	16QAM	25	0		22.31		
10	16QAM	25	12		22.26		
10	16QAM	25	25		22.24		23.3
10	16QAM	50	0		22.24		
10	64QAM	1	0		22.46		
10	64QAM	1	25		22.46		23.3
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.30		
10	64QAM	25	12		21.23		22.3
10	64QAM	25	25		21.20		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.40		20.3
10	256QAM	1	25		19.27		
10	256QAM	1	49		19.12		
10	256QAM	25	0		19.30		20.3
10	256QAM	25	12		19.22		
10	256QAM	25	25		19.14		
10	256QAM	50	0		19.25		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.19	24.19	24.28	25.3
5	QPSK	1	12	24.06	24.16	24.10	
5	QPSK	1	24	23.96	23.94	23.92	
5	QPSK	12	0	23.23	23.26	23.30	24.3
5	QPSK	12	7	23.20	23.28	23.28	
5	QPSK	12	13	23.17	23.13	23.18	
5	QPSK	25	0	23.20	23.11	23.22	24.3
5	16QAM	1	0	23.30	23.34	23.38	
5	16QAM	1	12	23.18	23.28	23.20	
5	16QAM	1	24	23.21	23.21	23.15	23.3
5	16QAM	12	0	22.13	22.21	22.29	
5	16QAM	12	7	22.16	22.15	22.07	
5	16QAM	12	13	22.17	22.14	22.06	23.3
5	16QAM	25	0	22.24	22.04	22.15	
5	64QAM	1	0	22.30	22.38	22.43	
5	64QAM	1	12	22.43	22.39	22.28	23.3
5	64QAM	1	24	22.18	22.15	22.29	
5	64QAM	12	0	21.13	21.29	21.23	
5	64QAM	12	7	21.08	21.21	21.04	22.3
5	64QAM	12	13	21.17	21.01	21.07	
5	64QAM	25	0	21.19	21.08	21.11	
5	256QAM	1	0	19.40	19.34	19.26	20.3
5	256QAM	1	12	19.22	19.26	19.15	
5	256QAM	1	24	19.11	19.10	19.11	
5	256QAM	12	0	19.12	19.15	19.16	20.3
5	256QAM	12	7	19.04	19.06	19.04	
5	256QAM	12	13	18.94	19.01	19.04	
5	256QAM	25	0	19.06	19.22	19.15	



<LTE Band 13_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.24		24.2
10	QPSK	1	25		23.01		
10	QPSK	1	49		23.22		
10	QPSK	25	0		23.01		24.2
10	QPSK	25	12		22.85		
10	QPSK	25	25		22.81		
10	QPSK	50	0		22.88		24.2
10	16QAM	1	0		22.94		
10	16QAM	1	25		22.77		
10	16QAM	1	49		22.64		24.2
10	16QAM	25	0		22.27		
10	16QAM	25	12		22.28		
10	16QAM	25	25		22.28		24.2
10	16QAM	50	0		22.27		
10	64QAM	1	0		22.28		
10	64QAM	1	25		22.26		24.2
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.38		
10	64QAM	25	12		21.32		23.3
10	64QAM	25	25		21.35		
10	64QAM	50	0		21.39		
10	256QAM	1	0		19.35		21.3
10	256QAM	1	25		19.39		
10	256QAM	1	49		19.31		
10	256QAM	25	0		19.35		21.3
10	256QAM	25	12		19.30		
10	256QAM	25	25		19.30		
10	256QAM	50	0		19.34		
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	23.23	23.15	23.17	24.2
5	QPSK	1	12	22.95	22.97	23.00	
5	QPSK	1	24	23.17	23.20	23.18	
5	QPSK	12	0	22.93	22.94	23.01	24.2
5	QPSK	12	7	22.78	22.85	22.81	
5	QPSK	12	13	22.78	22.71	22.81	
5	QPSK	25	0	22.86	22.84	22.87	24.2
5	16QAM	1	0	22.91	22.85	22.92	
5	16QAM	1	12	22.68	22.77	22.68	
5	16QAM	1	24	22.56	22.60	22.57	24.2
5	16QAM	12	0	22.18	22.20	22.26	
5	16QAM	12	7	22.28	22.22	22.22	
5	16QAM	12	13	22.23	22.23	22.25	24.2
5	16QAM	25	0	22.21	22.24	22.20	
5	64QAM	1	0	22.28	22.23	22.20	
5	64QAM	1	12	22.28	22.20	22.26	24.2
5	64QAM	1	24	22.29	22.30	22.26	
5	64QAM	12	0	21.37	21.38	21.35	
5	64QAM	12	7	21.24	21.33	21.28	23.3
5	64QAM	12	13	21.32	21.33	21.34	
5	64QAM	25	0	21.38	21.34	21.32	
5	256QAM	1	0	19.34	19.32	19.27	21.3
5	256QAM	1	12	19.35	19.34	19.31	
5	256QAM	1	24	19.37	19.34	19.30	
5	256QAM	12	0	19.31	19.33	19.30	21.3
5	256QAM	12	7	19.39	19.28	19.35	
5	256QAM	12	13	19.36	19.31	19.39	
5	256QAM	25	0	19.37	19.30	19.34	

**<LTE Band 13_Ant 0_Index 3>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.30		25.3
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.12		
10	QPSK	25	0		23.30		24.3
10	QPSK	25	12		23.28		
10	QPSK	25	25		23.24		
10	QPSK	50	0		23.28		24.3
10	16QAM	1	0		23.47		
10	16QAM	1	25		23.30		
10	16QAM	1	49		23.28		23.3
10	16QAM	25	0		22.31		
10	16QAM	25	12		22.26		
10	16QAM	25	25		22.24		23.3
10	16QAM	50	0		22.24		
10	64QAM	1	0		22.46		
10	64QAM	1	25		22.46		23.3
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.30		
10	64QAM	25	12		21.23		22.3
10	64QAM	25	25		21.20		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.40		20.3
10	256QAM	1	25		19.27		
10	256QAM	1	49		19.12		
10	256QAM	25	0		19.30		20.3
10	256QAM	25	12		19.22		
10	256QAM	25	25		19.14		
10	256QAM	50	0		19.25		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.19	24.19	24.28	25.3
5	QPSK	1	12	24.06	24.16	24.10	
5	QPSK	1	24	23.96	23.94	23.92	
5	QPSK	12	0	23.23	23.26	23.30	24.3
5	QPSK	12	7	23.20	23.28	23.28	
5	QPSK	12	13	23.17	23.13	23.18	
5	QPSK	25	0	23.20	23.11	23.22	24.3
5	16QAM	1	0	23.30	23.34	23.38	
5	16QAM	1	12	23.18	23.28	23.20	
5	16QAM	1	24	23.21	23.21	23.15	23.3
5	16QAM	12	0	22.13	22.21	22.29	
5	16QAM	12	7	22.16	22.15	22.07	
5	16QAM	12	13	22.17	22.14	22.06	23.3
5	16QAM	25	0	22.24	22.04	22.15	
5	64QAM	1	0	22.30	22.38	22.43	
5	64QAM	1	12	22.43	22.39	22.28	23.3
5	64QAM	1	24	22.18	22.15	22.29	
5	64QAM	12	0	21.13	21.29	21.23	
5	64QAM	12	7	21.08	21.21	21.04	22.3
5	64QAM	12	13	21.17	21.01	21.07	
5	64QAM	25	0	21.19	21.08	21.11	
5	256QAM	1	0	19.40	19.34	19.26	20.3
5	256QAM	1	12	19.22	19.26	19.15	
5	256QAM	1	24	19.11	19.10	19.11	
5	256QAM	12	0	19.12	19.15	19.16	20.3
5	256QAM	12	7	19.04	19.06	19.04	
5	256QAM	12	13	18.94	19.01	19.04	
5	256QAM	25	0	19.06	19.22	19.15	

**<LTE Band 13_Ant 1_Index 3>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.24		23.5
10	QPSK	1	25		23.01		
10	QPSK	1	49		23.22		
10	QPSK	25	0		23.01		23.5
10	QPSK	25	12		22.85		
10	QPSK	25	25		22.81		
10	QPSK	50	0		22.88		23.5
10	16QAM	1	0		22.94		
10	16QAM	1	25		22.77		
10	16QAM	1	49		22.64		23.3
10	16QAM	25	0		22.27		
10	16QAM	25	12		22.28		
10	16QAM	25	25		22.28		23.3
10	16QAM	50	0		22.27		
10	64QAM	1	0		22.28		
10	64QAM	1	25		22.26		23.3
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.38		
10	64QAM	25	12		21.32		22.3
10	64QAM	25	25		21.35		
10	64QAM	50	0		21.39		
10	256QAM	1	0		19.35		20.3
10	256QAM	1	25		19.39		
10	256QAM	1	49		19.31		
10	256QAM	25	0		19.35		20.3
10	256QAM	25	12		19.30		
10	256QAM	25	25		19.30		
10	256QAM	50	0		19.34		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.23	23.15	23.17	23.5
5	QPSK	1	12	22.95	22.97	23.00	
5	QPSK	1	24	23.17	23.20	23.18	
5	QPSK	12	0	22.93	22.94	23.01	23.5
5	QPSK	12	7	22.78	22.85	22.81	
5	QPSK	12	13	22.78	22.71	22.81	
5	QPSK	25	0	22.86	22.84	22.87	23.5
5	16QAM	1	0	22.91	22.85	22.92	
5	16QAM	1	12	22.68	22.77	22.68	
5	16QAM	1	24	22.56	22.60	22.57	23.3
5	16QAM	12	0	22.18	22.20	22.26	
5	16QAM	12	7	22.28	22.22	22.22	
5	16QAM	12	13	22.23	22.23	22.25	23.3
5	16QAM	25	0	22.21	22.24	22.20	
5	64QAM	1	0	22.28	22.23	22.20	
5	64QAM	1	12	22.28	22.20	22.26	22.3
5	64QAM	1	24	22.29	22.30	22.26	
5	64QAM	12	0	21.37	21.38	21.35	
5	64QAM	12	7	21.24	21.33	21.28	20.3
5	64QAM	12	13	21.32	21.33	21.34	
5	64QAM	25	0	21.38	21.34	21.32	
5	256QAM	1	0	19.34	19.32	19.27	20.3
5	256QAM	1	12	19.35	19.34	19.31	
5	256QAM	1	24	19.37	19.34	19.30	
5	256QAM	12	0	19.31	19.33	19.30	20.3
5	256QAM	12	7	19.39	19.28	19.35	
5	256QAM	12	13	19.36	19.31	19.39	
5	256QAM	25	0	19.37	19.30	19.34	



<LTE Band 13_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.30		25.3
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.12		
10	QPSK	25	0		23.30		24.3
10	QPSK	25	12		23.28		
10	QPSK	25	25		23.24		
10	QPSK	50	0		23.28		24.3
10	16QAM	1	0		23.47		
10	16QAM	1	25		23.30		
10	16QAM	1	49		23.28		23.3
10	16QAM	25	0		22.31		
10	16QAM	25	12		22.26		
10	16QAM	25	25		22.24		23.3
10	16QAM	50	0		22.24		
10	64QAM	1	0		22.46		
10	64QAM	1	25		22.46		23.3
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.30		
10	64QAM	25	12		21.23		22.3
10	64QAM	25	25		21.20		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.40		20.3
10	256QAM	1	25		19.27		
10	256QAM	1	49		19.12		
10	256QAM	25	0		19.30		20.3
10	256QAM	25	12		19.22		
10	256QAM	25	25		19.14		
10	256QAM	50	0		19.25		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.19	24.19	24.28	25.3
5	QPSK	1	12	24.06	24.16	24.10	
5	QPSK	1	24	23.96	23.94	23.92	
5	QPSK	12	0	23.23	23.26	23.30	24.3
5	QPSK	12	7	23.20	23.28	23.28	
5	QPSK	12	13	23.17	23.13	23.18	
5	QPSK	25	0	23.20	23.11	23.22	24.3
5	16QAM	1	0	23.30	23.34	23.38	
5	16QAM	1	12	23.18	23.28	23.20	
5	16QAM	1	24	23.21	23.21	23.15	23.3
5	16QAM	12	0	22.13	22.21	22.29	
5	16QAM	12	7	22.16	22.15	22.07	
5	16QAM	12	13	22.17	22.14	22.06	23.3
5	16QAM	25	0	22.24	22.04	22.15	
5	64QAM	1	0	22.30	22.38	22.43	
5	64QAM	1	12	22.43	22.39	22.28	23.3
5	64QAM	1	24	22.18	22.15	22.29	
5	64QAM	12	0	21.13	21.29	21.23	
5	64QAM	12	7	21.08	21.21	21.04	22.3
5	64QAM	12	13	21.17	21.01	21.07	
5	64QAM	25	0	21.19	21.08	21.11	
5	256QAM	1	0	19.40	19.34	19.26	20.3
5	256QAM	1	12	19.22	19.26	19.15	
5	256QAM	1	24	19.11	19.10	19.11	
5	256QAM	12	0	19.12	19.15	19.16	20.3
5	256QAM	12	7	19.04	19.06	19.04	
5	256QAM	12	13	18.94	19.01	19.04	
5	256QAM	25	0	19.06	19.22	19.15	



<LTE Band 13_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.17		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.08		
10	QPSK	25	0		23.16		24.3
10	QPSK	25	12		23.13		
10	QPSK	25	25		23.15		
10	QPSK	50	0		23.20		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.24		
10	16QAM	1	49		23.30		23.3
10	16QAM	25	0		22.14		
10	16QAM	25	12		22.14		
10	16QAM	25	25		22.12		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.41		
10	64QAM	1	25		22.25		23.3
10	64QAM	1	49		22.16		
10	64QAM	25	0		21.14		
10	64QAM	25	12		21.08		22.3
10	64QAM	25	25		21.09		
10	64QAM	50	0		21.11		
10	256QAM	1	0		19.35		20.3
10	256QAM	1	25		19.06		
10	256QAM	1	49		19.25		
10	256QAM	25	0		19.20		20.3
10	256QAM	25	12		19.16		
10	256QAM	25	25		19.00		
10	256QAM	50	0		19.19		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.12	24.14	23.98	25.3
5	QPSK	1	12	24.06	24.12	24.10	
5	QPSK	1	24	23.95	24.06	24.07	
5	QPSK	12	0	23.07	23.16	23.14	24.3
5	QPSK	12	7	23.00	22.94	22.97	
5	QPSK	12	13	23.08	23.03	23.07	
5	QPSK	25	0	23.04	23.07	23.12	24.3
5	16QAM	1	0	23.26	23.30	23.30	
5	16QAM	1	12	23.06	23.05	23.05	
5	16QAM	1	24	23.11	23.21	23.30	23.3
5	16QAM	12	0	22.02	22.13	22.05	
5	16QAM	12	7	22.13	22.08	21.95	
5	16QAM	12	13	22.01	21.98	22.06	23.3
5	16QAM	25	0	22.01	22.07	21.98	
5	64QAM	1	0	22.35	22.32	22.38	
5	64QAM	1	12	22.23	22.05	22.07	23.3
5	64QAM	1	24	22.09	22.16	21.98	
5	64QAM	12	0	20.99	21.14	21.00	
5	64QAM	12	7	21.05	20.92	20.96	22.3
5	64QAM	12	13	20.89	20.94	21.05	
5	64QAM	25	0	21.05	21.04	20.91	
5	256QAM	1	0	19.17	19.19	19.32	20.3
5	256QAM	1	12	18.87	18.92	18.94	
5	256QAM	1	24	19.20	19.21	19.24	
5	256QAM	12	0	19.06	19.19	19.00	20.3
5	256QAM	12	7	19.15	19.11	19.10	
5	256QAM	12	13	18.81	18.84	18.83	
5	256QAM	25	0	19.01	19.17	19.04	



<LTE Band 13_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.30		25.3
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.12		
10	QPSK	25	0		23.30		24.3
10	QPSK	25	12		23.28		
10	QPSK	25	25		23.24		
10	QPSK	50	0		23.28		24.3
10	16QAM	1	0		23.47		
10	16QAM	1	25		23.30		
10	16QAM	1	49		23.28		23.3
10	16QAM	25	0		22.31		
10	16QAM	25	12		22.26		
10	16QAM	25	25		22.24		23.3
10	16QAM	50	0		22.24		
10	64QAM	1	0		22.46		
10	64QAM	1	25		22.46		23.3
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.30		
10	64QAM	25	12		21.23		22.3
10	64QAM	25	25		21.20		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.40		20.3
10	256QAM	1	25		19.27		
10	256QAM	1	49		19.12		
10	256QAM	25	0		19.30		20.3
10	256QAM	25	12		19.22		
10	256QAM	25	25		19.14		
10	256QAM	50	0		19.25		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.19	24.19	24.28	25.3
5	QPSK	1	12	24.06	24.16	24.10	
5	QPSK	1	24	23.96	23.94	23.92	
5	QPSK	12	0	23.23	23.26	23.30	24.3
5	QPSK	12	7	23.20	23.28	23.28	
5	QPSK	12	13	23.17	23.13	23.18	
5	QPSK	25	0	23.20	23.11	23.22	24.3
5	16QAM	1	0	23.30	23.34	23.38	
5	16QAM	1	12	23.18	23.28	23.20	
5	16QAM	1	24	23.21	23.21	23.15	23.3
5	16QAM	12	0	22.13	22.21	22.29	
5	16QAM	12	7	22.16	22.15	22.07	
5	16QAM	12	13	22.17	22.14	22.06	23.3
5	16QAM	25	0	22.24	22.04	22.15	
5	64QAM	1	0	22.30	22.38	22.43	
5	64QAM	1	12	22.43	22.39	22.28	23.3
5	64QAM	1	24	22.18	22.15	22.29	
5	64QAM	12	0	21.13	21.29	21.23	
5	64QAM	12	7	21.08	21.21	21.04	22.3
5	64QAM	12	13	21.17	21.01	21.07	
5	64QAM	25	0	21.19	21.08	21.11	
5	256QAM	1	0	19.40	19.34	19.26	20.3
5	256QAM	1	12	19.22	19.26	19.15	
5	256QAM	1	24	19.11	19.10	19.11	
5	256QAM	12	0	19.12	19.15	19.16	20.3
5	256QAM	12	7	19.04	19.06	19.04	
5	256QAM	12	13	18.94	19.01	19.04	
5	256QAM	25	0	19.06	19.22	19.15	



<LTE Band 13_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.17		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.08		
10	QPSK	25	0		23.16		24.3
10	QPSK	25	12		23.13		
10	QPSK	25	25		23.15		
10	QPSK	50	0		23.20		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.24		
10	16QAM	1	49		23.30		23.3
10	16QAM	25	0		22.14		
10	16QAM	25	12		22.14		
10	16QAM	25	25		22.12		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.41		
10	64QAM	1	25		22.25		23.3
10	64QAM	1	49		22.16		
10	64QAM	25	0		21.14		
10	64QAM	25	12		21.08		22.3
10	64QAM	25	25		21.09		
10	64QAM	50	0		21.11		
10	256QAM	1	0		19.35		20.3
10	256QAM	1	25		19.06		
10	256QAM	1	49		19.25		
10	256QAM	25	0		19.20		20.3
10	256QAM	25	12		19.16		
10	256QAM	25	25		19.00		
10	256QAM	50	0		19.19		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.12	24.14	23.98	25.3
5	QPSK	1	12	24.06	24.12	24.10	
5	QPSK	1	24	23.95	24.06	24.07	
5	QPSK	12	0	23.07	23.16	23.14	24.3
5	QPSK	12	7	23.00	22.94	22.97	
5	QPSK	12	13	23.08	23.03	23.07	
5	QPSK	25	0	23.04	23.07	23.12	24.3
5	16QAM	1	0	23.26	23.30	23.30	
5	16QAM	1	12	23.06	23.05	23.05	
5	16QAM	1	24	23.11	23.21	23.30	23.3
5	16QAM	12	0	22.02	22.13	22.05	
5	16QAM	12	7	22.13	22.08	21.95	
5	16QAM	12	13	22.01	21.98	22.06	23.3
5	16QAM	25	0	22.01	22.07	21.98	
5	64QAM	1	0	22.35	22.32	22.38	
5	64QAM	1	12	22.23	22.05	22.07	23.3
5	64QAM	1	24	22.09	22.16	21.98	
5	64QAM	12	0	20.99	21.14	21.00	
5	64QAM	12	7	21.05	20.92	20.96	22.3
5	64QAM	12	13	20.89	20.94	21.05	
5	64QAM	25	0	21.05	21.04	20.91	
5	256QAM	1	0	19.17	19.19	19.32	20.3
5	256QAM	1	12	18.87	18.92	18.94	
5	256QAM	1	24	19.20	19.21	19.24	
5	256QAM	12	0	19.06	19.19	19.00	20.3
5	256QAM	12	7	19.15	19.11	19.10	
5	256QAM	12	13	18.81	18.84	18.83	
5	256QAM	25	0	19.01	19.17	19.04	



<LTE Band 13_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.30		25.3
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.12		
10	QPSK	25	0		23.30		24.3
10	QPSK	25	12		23.28		
10	QPSK	25	25		23.24		
10	QPSK	50	0		23.28		24.3
10	16QAM	1	0		23.47		
10	16QAM	1	25		23.30		
10	16QAM	1	49		23.28		23.3
10	16QAM	25	0		22.31		
10	16QAM	25	12		22.26		
10	16QAM	25	25		22.24		23.3
10	16QAM	50	0		22.24		
10	64QAM	1	0		22.46		
10	64QAM	1	25		22.46		23.3
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.30		
10	64QAM	25	12		21.23		22.3
10	64QAM	25	25		21.20		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.40		20.3
10	256QAM	1	25		19.27		
10	256QAM	1	49		19.12		
10	256QAM	25	0		19.30		20.3
10	256QAM	25	12		19.22		
10	256QAM	25	25		19.14		
10	256QAM	50	0		19.25		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.19	24.19	24.28	25.3
5	QPSK	1	12	24.06	24.16	24.10	
5	QPSK	1	24	23.96	23.94	23.92	
5	QPSK	12	0	23.23	23.26	23.30	24.3
5	QPSK	12	7	23.20	23.28	23.28	
5	QPSK	12	13	23.17	23.13	23.18	
5	QPSK	25	0	23.20	23.11	23.22	24.3
5	16QAM	1	0	23.30	23.34	23.38	
5	16QAM	1	12	23.18	23.28	23.20	
5	16QAM	1	24	23.21	23.21	23.15	23.3
5	16QAM	12	0	22.13	22.21	22.29	
5	16QAM	12	7	22.16	22.15	22.07	
5	16QAM	12	13	22.17	22.14	22.06	23.3
5	16QAM	25	0	22.24	22.04	22.15	
5	64QAM	1	0	22.30	22.38	22.43	
5	64QAM	1	12	22.43	22.39	22.28	23.3
5	64QAM	1	24	22.18	22.15	22.29	
5	64QAM	12	0	21.13	21.29	21.23	
5	64QAM	12	7	21.08	21.21	21.04	22.3
5	64QAM	12	13	21.17	21.01	21.07	
5	64QAM	25	0	21.19	21.08	21.11	
5	256QAM	1	0	19.40	19.34	19.26	20.3
5	256QAM	1	12	19.22	19.26	19.15	
5	256QAM	1	24	19.11	19.10	19.11	
5	256QAM	12	0	19.12	19.15	19.16	20.3
5	256QAM	12	7	19.04	19.06	19.04	
5	256QAM	12	13	18.94	19.01	19.04	
5	256QAM	25	0	19.06	19.22	19.15	

**<LTE Band 13_Ant 1_Index 6>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.17		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.08		
10	QPSK	25	0		23.16		24.3
10	QPSK	25	12		23.13		
10	QPSK	25	25		23.15		
10	QPSK	50	0		23.20		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.24		
10	16QAM	1	49		23.30		23.3
10	16QAM	25	0		22.14		
10	16QAM	25	12		22.14		
10	16QAM	25	25		22.12		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.41		
10	64QAM	1	25		22.25		23.3
10	64QAM	1	49		22.16		
10	64QAM	25	0		21.14		
10	64QAM	25	12		21.08		22.3
10	64QAM	25	25		21.09		
10	64QAM	50	0		21.11		
10	256QAM	1	0		19.35		20.3
10	256QAM	1	25		19.06		
10	256QAM	1	49		19.25		
10	256QAM	25	0		19.20		20.3
10	256QAM	25	12		19.16		
10	256QAM	25	25		19.00		
10	256QAM	50	0		19.19		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.12	24.14	23.98	25.3
5	QPSK	1	12	24.06	24.12	24.10	
5	QPSK	1	24	23.95	24.06	24.07	
5	QPSK	12	0	23.07	23.16	23.14	24.3
5	QPSK	12	7	23.00	22.94	22.97	
5	QPSK	12	13	23.08	23.03	23.07	
5	QPSK	25	0	23.04	23.07	23.12	24.3
5	16QAM	1	0	23.26	23.30	23.30	
5	16QAM	1	12	23.06	23.05	23.05	
5	16QAM	1	24	23.11	23.21	23.30	24.3
5	16QAM	12	0	22.02	22.13	22.05	
5	16QAM	12	7	22.13	22.08	21.95	
5	16QAM	12	13	22.01	21.98	22.06	23.3
5	16QAM	25	0	22.01	22.07	21.98	
5	64QAM	1	0	22.35	22.32	22.38	
5	64QAM	1	12	22.23	22.05	22.07	23.3
5	64QAM	1	24	22.09	22.16	21.98	
5	64QAM	12	0	20.99	21.14	21.00	
5	64QAM	12	7	21.05	20.92	20.96	22.3
5	64QAM	12	13	20.89	20.94	21.05	
5	64QAM	25	0	21.05	21.04	20.91	
5	256QAM	1	0	19.17	19.19	19.32	20.3
5	256QAM	1	12	18.87	18.92	18.94	
5	256QAM	1	24	19.20	19.21	19.24	
5	256QAM	12	0	19.06	19.19	19.00	20.3
5	256QAM	12	7	19.15	19.11	19.10	
5	256QAM	12	13	18.81	18.84	18.83	
5	256QAM	25	0	19.01	19.17	19.04	



<LTE Band 13_Ant 0_Index 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				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.30		25.3
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.12		
10	QPSK	25	0		23.30		24.3
10	QPSK	25	12		23.28		
10	QPSK	25	25		23.24		
10	QPSK	50	0		23.28		24.3
10	16QAM	1	0		23.47		
10	16QAM	1	25		23.30		
10	16QAM	1	49		23.28		23.3
10	16QAM	25	0		22.31		
10	16QAM	25	12		22.26		
10	16QAM	25	25		22.24		23.3
10	16QAM	50	0		22.24		
10	64QAM	1	0		22.46		
10	64QAM	1	25		22.46		23.3
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.30		
10	64QAM	25	12		21.23		22.3
10	64QAM	25	25		21.20		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.40		20.3
10	256QAM	1	25		19.27		
10	256QAM	1	49		19.12		
10	256QAM	25	0		19.30		20.3
10	256QAM	25	12		19.22		
10	256QAM	25	25		19.14		
10	256QAM	50	0		19.25		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.19	24.19	24.28	25.3
5	QPSK	1	12	24.06	24.16	24.10	
5	QPSK	1	24	23.96	23.94	23.92	
5	QPSK	12	0	23.23	23.26	23.30	24.3
5	QPSK	12	7	23.20	23.28	23.28	
5	QPSK	12	13	23.17	23.13	23.18	
5	QPSK	25	0	23.20	23.11	23.22	24.3
5	16QAM	1	0	23.30	23.34	23.38	
5	16QAM	1	12	23.18	23.28	23.20	
5	16QAM	1	24	23.21	23.21	23.15	23.3
5	16QAM	12	0	22.13	22.21	22.29	
5	16QAM	12	7	22.16	22.15	22.07	
5	16QAM	12	13	22.17	22.14	22.06	23.3
5	16QAM	25	0	22.24	22.04	22.15	
5	64QAM	1	0	22.30	22.38	22.43	
5	64QAM	1	12	22.43	22.39	22.28	23.3
5	64QAM	1	24	22.18	22.15	22.29	
5	64QAM	12	0	21.13	21.29	21.23	
5	64QAM	12	7	21.08	21.21	21.04	22.3
5	64QAM	12	13	21.17	21.01	21.07	
5	64QAM	25	0	21.19	21.08	21.11	
5	256QAM	1	0	19.40	19.34	19.26	20.3
5	256QAM	1	12	19.22	19.26	19.15	
5	256QAM	1	24	19.11	19.10	19.11	
5	256QAM	12	0	19.12	19.15	19.16	20.3
5	256QAM	12	7	19.04	19.06	19.04	
5	256QAM	12	13	18.94	19.01	19.04	
5	256QAM	25	0	19.06	19.22	19.15	



<LTE Band 13_Ant 1_Index 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				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.41		23.7
10	QPSK	1	25		23.26		
10	QPSK	1	49		23.29		
10	QPSK	25	0		23.30		23.7
10	QPSK	25	12		23.24		
10	QPSK	25	25		23.24		
10	QPSK	50	0		23.19		23.7
10	16QAM	1	0		23.40		
10	16QAM	1	25		23.35		
10	16QAM	1	49		23.40		23.3
10	16QAM	25	0		22.18		
10	16QAM	25	12		22.11		
10	16QAM	25	25		22.22		23.3
10	16QAM	50	0		22.27		
10	64QAM	1	0		22.58		
10	64QAM	1	25		22.11		23.3
10	64QAM	1	49		22.41		
10	64QAM	25	0		21.15		
10	64QAM	25	12		21.11		22.3
10	64QAM	25	25		21.09		
10	64QAM	50	0		21.17		
10	256QAM	1	0		19.21		20.3
10	256QAM	1	25		18.89		
10	256QAM	1	49		19.08		
10	256QAM	25	0		19.14		20.3
10	256QAM	25	12		18.99		
10	256QAM	25	25		18.88		
10	256QAM	50	0		19.17		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.34	23.24	23.28	23.7
5	QPSK	1	12	23.16	23.10	23.06	
5	QPSK	1	24	23.13	23.19	23.11	
5	QPSK	12	0	23.11	23.14	23.15	23.7
5	QPSK	12	7	23.20	23.20	23.22	
5	QPSK	12	13	23.19	23.21	23.12	
5	QPSK	25	0	22.99	23.01	23.17	23.7
5	16QAM	1	0	23.24	23.29	23.36	
5	16QAM	1	12	23.22	23.28	23.24	
5	16QAM	1	24	23.37	23.33	23.27	23.3
5	16QAM	12	0	22.17	22.08	22.13	
5	16QAM	12	7	21.97	22.11	21.91	
5	16QAM	12	13	22.13	22.15	22.14	23.3
5	16QAM	25	0	22.13	22.21	22.17	
5	64QAM	1	0	22.41	22.47	22.47	
5	64QAM	1	12	22.09	22.05	22.00	23.3
5	64QAM	1	24	22.31	22.27	22.30	
5	64QAM	12	0	20.98	20.98	20.97	
5	64QAM	12	7	20.98	21.05	21.09	22.3
5	64QAM	12	13	21.01	20.92	20.90	
5	64QAM	25	0	21.15	21.08	21.07	
5	256QAM	1	0	19.02	19.03	19.09	20.3
5	256QAM	1	12	18.84	18.81	18.89	
5	256QAM	1	24	18.94	19.04	18.98	
5	256QAM	12	0	19.00	19.00	19.10	20.3
5	256QAM	12	7	18.98	18.87	18.97	
5	256QAM	12	13	18.68	18.78	18.88	
5	256QAM	25	0	19.03	19.01	19.05	



<LTE Band 13_Ant 0_Index 9>

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		24.30		25.1
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.12		
10	QPSK	25	0		23.30		24.3
10	QPSK	25	12		23.28		
10	QPSK	25	25		23.24		
10	QPSK	50	0		23.28		24.3
10	16QAM	1	0		23.47		
10	16QAM	1	25		23.30		
10	16QAM	1	49		23.28		23.3
10	16QAM	25	0		22.31		
10	16QAM	25	12		22.26		
10	16QAM	25	25		22.24		23.3
10	16QAM	50	0		22.24		
10	64QAM	1	0		22.46		
10	64QAM	1	25		22.46		23.3
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.30		
10	64QAM	25	12		21.23		22.3
10	64QAM	25	25		21.20		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.40		20.3
10	256QAM	1	25		19.27		
10	256QAM	1	49		19.12		
10	256QAM	25	0		19.30		20.3
10	256QAM	25	12		19.22		
10	256QAM	25	25		19.14		
10	256QAM	50	0		19.25		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.19	24.19	24.28	25.1
5	QPSK	1	12	24.06	24.16	24.10	
5	QPSK	1	24	23.96	23.94	23.92	
5	QPSK	12	0	23.23	23.26	23.30	24.3
5	QPSK	12	7	23.20	23.28	23.28	
5	QPSK	12	13	23.17	23.13	23.18	
5	QPSK	25	0	23.20	23.11	23.22	24.3
5	16QAM	1	0	23.30	23.34	23.38	
5	16QAM	1	12	23.18	23.28	23.20	
5	16QAM	1	24	23.21	23.21	23.15	23.3
5	16QAM	12	0	22.13	22.21	22.29	
5	16QAM	12	7	22.16	22.15	22.07	
5	16QAM	12	13	22.17	22.14	22.06	23.3
5	16QAM	25	0	22.24	22.04	22.15	
5	64QAM	1	0	22.30	22.38	22.43	
5	64QAM	1	12	22.43	22.39	22.28	23.3
5	64QAM	1	24	22.18	22.15	22.29	
5	64QAM	12	0	21.13	21.29	21.23	
5	64QAM	12	7	21.08	21.21	21.04	22.3
5	64QAM	12	13	21.17	21.01	21.07	
5	64QAM	25	0	21.19	21.08	21.11	
5	256QAM	1	0	19.40	19.34	19.26	20.3
5	256QAM	1	12	19.22	19.26	19.15	
5	256QAM	1	24	19.11	19.10	19.11	
5	256QAM	12	0	19.12	19.15	19.16	20.3
5	256QAM	12	7	19.04	19.06	19.04	
5	256QAM	12	13	18.94	19.01	19.04	
5	256QAM	25	0	19.06	19.22	19.15	



<LTE Band 13_Ant 1_Index 9>

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		24.17		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.08		
10	QPSK	25	0		23.16		24.3
10	QPSK	25	12		23.13		
10	QPSK	25	25		23.15		
10	QPSK	50	0		23.20		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.24		
10	16QAM	1	49		23.30		23.3
10	16QAM	25	0		22.14		
10	16QAM	25	12		22.14		
10	16QAM	25	25		22.12		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.41		
10	64QAM	1	25		22.25		23.3
10	64QAM	1	49		22.16		
10	64QAM	25	0		21.14		
10	64QAM	25	12		21.08		22.3
10	64QAM	25	25		21.09		
10	64QAM	50	0		21.11		
10	256QAM	1	0		19.35		20.3
10	256QAM	1	25		19.06		
10	256QAM	1	49		19.25		
10	256QAM	25	0		19.20		20.3
10	256QAM	25	12		19.16		
10	256QAM	25	25		19.00		
10	256QAM	50	0		19.19		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.12	24.14	23.98	25.3
5	QPSK	1	12	24.06	24.12	24.10	
5	QPSK	1	24	23.95	24.06	24.07	
5	QPSK	12	0	23.07	23.16	23.14	24.3
5	QPSK	12	7	23.00	22.94	22.97	
5	QPSK	12	13	23.08	23.03	23.07	
5	QPSK	25	0	23.04	23.07	23.12	24.3
5	16QAM	1	0	23.26	23.30	23.30	
5	16QAM	1	12	23.06	23.05	23.05	
5	16QAM	1	24	23.11	23.21	23.30	23.3
5	16QAM	12	0	22.02	22.13	22.05	
5	16QAM	12	7	22.13	22.08	21.95	
5	16QAM	12	13	22.01	21.98	22.06	23.3
5	16QAM	25	0	22.01	22.07	21.98	
5	64QAM	1	0	22.35	22.32	22.38	
5	64QAM	1	12	22.23	22.05	22.07	23.3
5	64QAM	1	24	22.09	22.16	21.98	
5	64QAM	12	0	20.99	21.14	21.00	
5	64QAM	12	7	21.05	20.92	20.96	22.3
5	64QAM	12	13	20.89	20.94	21.05	
5	64QAM	25	0	21.05	21.04	20.91	
5	256QAM	1	0	19.17	19.19	19.32	20.3
5	256QAM	1	12	18.87	18.92	18.94	
5	256QAM	1	24	19.20	19.21	19.24	
5	256QAM	12	0	19.06	19.19	19.00	20.3
5	256QAM	12	7	19.15	19.11	19.10	
5	256QAM	12	13	18.81	18.84	18.83	
5	256QAM	25	0	19.01	19.17	19.04	

**<LTE Band 13_Ant 0_Index 10>**

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		24.30		25.3
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.12		
10	QPSK	25	0		23.30		24.3
10	QPSK	25	12		23.28		
10	QPSK	25	25		23.24		
10	QPSK	50	0		23.28		24.3
10	16QAM	1	0		23.47		
10	16QAM	1	25		23.30		
10	16QAM	1	49		23.28		23.3
10	16QAM	25	0		22.31		
10	16QAM	25	12		22.26		
10	16QAM	25	25		22.24		23.3
10	16QAM	50	0		22.24		
10	64QAM	1	0		22.46		
10	64QAM	1	25		22.46		23.3
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.30		
10	64QAM	25	12		21.23		22.3
10	64QAM	25	25		21.20		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.40		20.3
10	256QAM	1	25		19.27		
10	256QAM	1	49		19.12		
10	256QAM	25	0		19.30		20.3
10	256QAM	25	12		19.22		
10	256QAM	25	25		19.14		
10	256QAM	50	0		19.25		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.19	24.19	24.28	25.3
5	QPSK	1	12	24.06	24.16	24.10	
5	QPSK	1	24	23.96	23.94	23.92	
5	QPSK	12	0	23.23	23.26	23.30	24.3
5	QPSK	12	7	23.20	23.28	23.28	
5	QPSK	12	13	23.17	23.13	23.18	
5	QPSK	25	0	23.20	23.11	23.22	24.3
5	16QAM	1	0	23.30	23.34	23.38	
5	16QAM	1	12	23.18	23.28	23.20	
5	16QAM	1	24	23.21	23.21	23.15	23.3
5	16QAM	12	0	22.13	22.21	22.29	
5	16QAM	12	7	22.16	22.15	22.07	
5	16QAM	12	13	22.17	22.14	22.06	23.3
5	16QAM	25	0	22.24	22.04	22.15	
5	64QAM	1	0	22.30	22.38	22.43	
5	64QAM	1	12	22.43	22.39	22.28	23.3
5	64QAM	1	24	22.18	22.15	22.29	
5	64QAM	12	0	21.13	21.29	21.23	
5	64QAM	12	7	21.08	21.21	21.04	22.3
5	64QAM	12	13	21.17	21.01	21.07	
5	64QAM	25	0	21.19	21.08	21.11	
5	256QAM	1	0	19.40	19.34	19.26	20.3
5	256QAM	1	12	19.22	19.26	19.15	
5	256QAM	1	24	19.11	19.10	19.11	
5	256QAM	12	0	19.12	19.15	19.16	20.3
5	256QAM	12	7	19.04	19.06	19.04	
5	256QAM	12	13	18.94	19.01	19.04	
5	256QAM	25	0	19.06	19.22	19.15	



<LTE Band 13_Ant 1_Index 10>

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		24.17		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.08		
10	QPSK	25	0		23.16		24.3
10	QPSK	25	12		23.13		
10	QPSK	25	25		23.15		
10	QPSK	50	0		23.20		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.24		
10	16QAM	1	49		23.30		23.3
10	16QAM	25	0		22.14		
10	16QAM	25	12		22.14		
10	16QAM	25	25		22.12		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.41		
10	64QAM	1	25		22.25		23.3
10	64QAM	1	49		22.16		
10	64QAM	25	0		21.14		
10	64QAM	25	12		21.08		22.3
10	64QAM	25	25		21.09		
10	64QAM	50	0		21.11		
10	256QAM	1	0		19.35		20.3
10	256QAM	1	25		19.06		
10	256QAM	1	49		19.25		
10	256QAM	25	0		19.20		20.3
10	256QAM	25	12		19.16		
10	256QAM	25	25		19.00		
10	256QAM	50	0		19.19		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.12	24.14	23.98	25.3
5	QPSK	1	12	24.06	24.12	24.10	
5	QPSK	1	24	23.95	24.06	24.07	
5	QPSK	12	0	23.07	23.16	23.14	24.3
5	QPSK	12	7	23.00	22.94	22.97	
5	QPSK	12	13	23.08	23.03	23.07	
5	QPSK	25	0	23.04	23.07	23.12	24.3
5	16QAM	1	0	23.26	23.30	23.30	
5	16QAM	1	12	23.06	23.05	23.05	
5	16QAM	1	24	23.11	23.21	23.30	23.3
5	16QAM	12	0	22.02	22.13	22.05	
5	16QAM	12	7	22.13	22.08	21.95	
5	16QAM	12	13	22.01	21.98	22.06	23.3
5	16QAM	25	0	22.01	22.07	21.98	
5	64QAM	1	0	22.35	22.32	22.38	
5	64QAM	1	12	22.23	22.05	22.07	23.3
5	64QAM	1	24	22.09	22.16	21.98	
5	64QAM	12	0	20.99	21.14	21.00	
5	64QAM	12	7	21.05	20.92	20.96	22.3
5	64QAM	12	13	20.89	20.94	21.05	
5	64QAM	25	0	21.05	21.04	20.91	
5	256QAM	1	0	19.17	19.19	19.32	20.3
5	256QAM	1	12	18.87	18.92	18.94	
5	256QAM	1	24	19.20	19.21	19.24	
5	256QAM	12	0	19.06	19.19	19.00	20.3
5	256QAM	12	7	19.15	19.11	19.10	
5	256QAM	12	13	18.81	18.84	18.83	
5	256QAM	25	0	19.01	19.17	19.04	



<LTE Band 13_Ant 0_Index 11>

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		24.30		25.1
10	QPSK	1	25		24.19		
10	QPSK	1	49		24.12		
10	QPSK	25	0		23.30		24.3
10	QPSK	25	12		23.28		
10	QPSK	25	25		23.24		
10	QPSK	50	0		23.28		24.3
10	16QAM	1	0		23.47		
10	16QAM	1	25		23.30		
10	16QAM	1	49		23.28		23.3
10	16QAM	25	0		22.31		
10	16QAM	25	12		22.26		
10	16QAM	25	25		22.24		23.3
10	16QAM	50	0		22.24		
10	64QAM	1	0		22.46		
10	64QAM	1	25		22.46		23.3
10	64QAM	1	49		22.30		
10	64QAM	25	0		21.30		
10	64QAM	25	12		21.23		22.3
10	64QAM	25	25		21.20		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.40		20.3
10	256QAM	1	25		19.27		
10	256QAM	1	49		19.12		
10	256QAM	25	0		19.30		20.3
10	256QAM	25	12		19.22		
10	256QAM	25	25		19.14		
10	256QAM	50	0		19.25		
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	24.19	24.19	24.28	25.1
5	QPSK	1	12	24.06	24.16	24.10	
5	QPSK	1	24	23.96	23.94	23.92	
5	QPSK	12	0	23.23	23.26	23.30	24.3
5	QPSK	12	7	23.20	23.28	23.28	
5	QPSK	12	13	23.17	23.13	23.18	
5	QPSK	25	0	23.20	23.11	23.22	24.3
5	16QAM	1	0	23.30	23.34	23.38	
5	16QAM	1	12	23.18	23.28	23.20	
5	16QAM	1	24	23.21	23.21	23.15	23.3
5	16QAM	12	0	22.13	22.21	22.29	
5	16QAM	12	7	22.16	22.15	22.07	
5	16QAM	12	13	22.17	22.14	22.06	23.3
5	16QAM	25	0	22.24	22.04	22.15	
5	64QAM	1	0	22.30	22.38	22.43	
5	64QAM	1	12	22.43	22.39	22.28	23.3
5	64QAM	1	24	22.18	22.15	22.29	
5	64QAM	12	0	21.13	21.29	21.23	
5	64QAM	12	7	21.08	21.21	21.04	22.3
5	64QAM	12	13	21.17	21.01	21.07	
5	64QAM	25	0	21.19	21.08	21.11	
5	256QAM	1	0	19.40	19.34	19.26	20.3
5	256QAM	1	12	19.22	19.26	19.15	
5	256QAM	1	24	19.11	19.10	19.11	
5	256QAM	12	0	19.12	19.15	19.16	20.3
5	256QAM	12	7	19.04	19.06	19.04	
5	256QAM	12	13	18.94	19.01	19.04	
5	256QAM	25	0	19.06	19.22	19.15	



<LTE Band 13_Ant 1_Index 11>

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		24.17		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.08		
10	QPSK	25	0		23.16		24.3
10	QPSK	25	12		23.13		
10	QPSK	25	25		23.15		
10	QPSK	50	0		23.20		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.24		
10	16QAM	1	49		23.30		23.3
10	16QAM	25	0		22.14		
10	16QAM	25	12		22.14		
10	16QAM	25	25		22.12		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.41		
10	64QAM	1	25		22.25		23.3
10	64QAM	1	49		22.16		
10	64QAM	25	0		21.14		
10	64QAM	25	12		21.08		22.3
10	64QAM	25	25		21.09		
10	64QAM	50	0		21.11		
10	256QAM	1	0		19.35		20.3
10	256QAM	1	25		19.06		
10	256QAM	1	49		19.25		
10	256QAM	25	0		19.20		20.3
10	256QAM	25	12		19.16		
10	256QAM	25	25		19.00		
10	256QAM	50	0		19.19		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.12	24.14	23.98	25.3
5	QPSK	1	12	24.06	24.12	24.10	
5	QPSK	1	24	23.95	24.06	24.07	
5	QPSK	12	0	23.07	23.16	23.14	24.3
5	QPSK	12	7	23.00	22.94	22.97	
5	QPSK	12	13	23.08	23.03	23.07	
5	QPSK	25	0	23.04	23.07	23.12	24.3
5	16QAM	1	0	23.26	23.30	23.30	
5	16QAM	1	12	23.06	23.05	23.05	
5	16QAM	1	24	23.11	23.21	23.30	23.3
5	16QAM	12	0	22.02	22.13	22.05	
5	16QAM	12	7	22.13	22.08	21.95	
5	16QAM	12	13	22.01	21.98	22.06	23.3
5	16QAM	25	0	22.01	22.07	21.98	
5	64QAM	1	0	22.35	22.32	22.38	
5	64QAM	1	12	22.23	22.05	22.07	23.3
5	64QAM	1	24	22.09	22.16	21.98	
5	64QAM	12	0	20.99	21.14	21.00	
5	64QAM	12	7	21.05	20.92	20.96	22.3
5	64QAM	12	13	20.89	20.94	21.05	
5	64QAM	25	0	21.05	21.04	20.91	
5	256QAM	1	0	19.17	19.19	19.32	20.3
5	256QAM	1	12	18.87	18.92	18.94	
5	256QAM	1	24	19.20	19.21	19.24	
5	256QAM	12	0	19.06	19.19	19.00	20.3
5	256QAM	12	7	19.15	19.11	19.10	
5	256QAM	12	13	18.81	18.84	18.83	
5	256QAM	25	0	19.01	19.17	19.04	



<LTE Band 14_Ant 0_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.28		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.27		24.3
10	QPSK	25	12		23.26		
10	QPSK	25	25		23.25		
10	QPSK	50	0		23.30		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.35		
10	16QAM	1	49		23.22		23.3
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.21		23.3
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.37		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.26		22.3
10	64QAM	25	25		21.24		
10	64QAM	50	0		21.25		
10	256QAM	1	0		19.38		20.3
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.28		
10	256QAM	25	0		19.24		20.3
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.24		
10	256QAM	50	0		19.12		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.08	24.18	24.20	25.3
5	QPSK	1	12	24.14	23.98	24.11	
5	QPSK	1	24	23.97	24.09	24.05	
5	QPSK	12	0	23.12	23.16	23.18	24.3
5	QPSK	12	7	23.19	23.11	23.21	
5	QPSK	12	13	23.25	23.22	23.16	
5	QPSK	25	0	23.28	23.26	23.28	24.3
5	16QAM	1	0	23.15	23.11	23.29	
5	16QAM	1	12	23.21	23.34	23.25	
5	16QAM	1	24	23.07	23.16	23.13	23.3
5	16QAM	12	0	22.10	22.14	22.19	
5	16QAM	12	7	22.20	22.18	22.18	
5	16QAM	12	13	22.17	22.10	22.10	23.3
5	16QAM	25	0	22.17	22.19	22.19	
5	64QAM	1	0	22.37	22.28	22.47	
5	64QAM	1	12	22.37	22.20	22.35	23.3
5	64QAM	1	24	22.18	22.22	22.29	
5	64QAM	12	0	21.16	21.12	21.21	
5	64QAM	12	7	21.15	21.12	21.17	22.3
5	64QAM	12	13	21.05	21.15	21.22	
5	64QAM	25	0	21.12	21.13	21.11	
5	256QAM	1	0	19.31	19.24	19.35	20.3
5	256QAM	1	12	19.20	19.27	19.23	
5	256QAM	1	24	19.14	19.24	19.24	
5	256QAM	12	0	19.24	19.06	19.04	20.3
5	256QAM	12	7	19.25	19.15	19.07	
5	256QAM	12	13	19.11	19.14	19.13	
5	256QAM	25	0	18.98	19.08	18.95	

**<LTE Band 14_Ant 1_Index 2>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		23.00		24.2
10	QPSK	1	25		22.99		
10	QPSK	1	49		22.87		
10	QPSK	25	0		22.96		24.2
10	QPSK	25	12		22.91		
10	QPSK	25	25		22.89		
10	QPSK	50	0		22.89		24.2
10	16QAM	1	0		22.80		
10	16QAM	1	25		22.85		
10	16QAM	1	49		22.74		24.2
10	16QAM	25	0		22.29		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.23		24.2
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.38		
10	64QAM	1	25		22.36		24.2
10	64QAM	1	49		22.43		
10	64QAM	25	0		21.38		
10	64QAM	25	12		21.35		23.3
10	64QAM	25	25		21.37		
10	64QAM	50	0		21.40		
10	256QAM	1	0		19.39		21.3
10	256QAM	1	25		19.38		
10	256QAM	1	49		19.33		
10	256QAM	25	0		19.40		21.3
10	256QAM	25	12		19.33		
10	256QAM	25	25		19.37		
10	256QAM	50	0		19.32		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	22.99	22.90	22.96	24.2
5	QPSK	1	12	22.95	22.95	22.89	
5	QPSK	1	24	22.87	22.84	22.79	
5	QPSK	12	0	22.89	22.92	22.93	24.2
5	QPSK	12	7	22.83	22.89	22.82	
5	QPSK	12	13	22.84	22.85	22.80	
5	QPSK	25	0	22.86	22.81	22.80	24.2
5	16QAM	1	0	22.73	22.78	22.73	
5	16QAM	1	12	22.79	22.78	22.79	
5	16QAM	1	24	22.74	22.67	22.73	24.2
5	16QAM	12	0	22.27	22.22	22.29	
5	16QAM	12	7	22.26	22.27	22.20	
5	16QAM	12	13	22.26	22.22	22.24	24.2
5	16QAM	25	0	22.22	22.16	22.18	
5	64QAM	1	0	22.34	22.31	22.35	
5	64QAM	1	12	22.29	22.33	22.35	24.2
5	64QAM	1	24	22.37	22.41	22.35	
5	64QAM	12	0	21.33	21.38	21.31	
5	64QAM	12	7	21.35	21.31	21.37	23.3
5	64QAM	12	13	21.35	21.32	21.34	
5	64QAM	25	0	21.34	21.39	21.39	
5	256QAM	1	0	19.30	19.34	19.39	21.3
5	256QAM	1	12	19.35	19.35	19.36	
5	256QAM	1	24	19.29	19.25	19.32	
5	256QAM	12	0	19.34	19.36	19.32	21.3
5	256QAM	12	7	19.33	19.36	19.37	
5	256QAM	12	13	19.37	19.33	19.39	
5	256QAM	25	0	19.33	19.34	19.31	



<LTE Band 14_Ant 0_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.28		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.27		24.3
10	QPSK	25	12		23.26		
10	QPSK	25	25		23.25		
10	QPSK	50	0		23.30		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.35		
10	16QAM	1	49		23.22		23.3
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.21		23.3
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.37		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.26		22.3
10	64QAM	25	25		21.24		
10	64QAM	50	0		21.25		
10	256QAM	1	0		19.38		20.3
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.28		
10	256QAM	25	0		19.24		20.3
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.24		
10	256QAM	50	0		19.12		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.08	24.18	24.20	25.3
5	QPSK	1	12	24.14	23.98	24.11	
5	QPSK	1	24	23.97	24.09	24.05	
5	QPSK	12	0	23.12	23.16	23.18	24.3
5	QPSK	12	7	23.19	23.11	23.21	
5	QPSK	12	13	23.25	23.22	23.16	
5	QPSK	25	0	23.28	23.26	23.28	24.3
5	16QAM	1	0	23.15	23.11	23.29	
5	16QAM	1	12	23.21	23.34	23.25	
5	16QAM	1	24	23.07	23.16	23.13	24.3
5	16QAM	12	0	22.10	22.14	22.19	
5	16QAM	12	7	22.20	22.18	22.18	
5	16QAM	12	13	22.17	22.10	22.10	23.3
5	16QAM	25	0	22.17	22.19	22.19	
5	64QAM	1	0	22.37	22.28	22.47	
5	64QAM	1	12	22.37	22.20	22.35	23.3
5	64QAM	1	24	22.18	22.22	22.29	
5	64QAM	12	0	21.16	21.12	21.21	
5	64QAM	12	7	21.15	21.12	21.17	22.3
5	64QAM	12	13	21.05	21.15	21.22	
5	64QAM	25	0	21.12	21.13	21.11	
5	256QAM	1	0	19.31	19.24	19.35	20.3
5	256QAM	1	12	19.20	19.27	19.23	
5	256QAM	1	24	19.14	19.24	19.24	
5	256QAM	12	0	19.24	19.06	19.04	20.3
5	256QAM	12	7	19.25	19.15	19.07	
5	256QAM	12	13	19.11	19.14	19.13	
5	256QAM	25	0	18.98	19.08	18.95	



<LTE Band 14_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		23.00		23.5
10	QPSK	1	25		22.99		
10	QPSK	1	49		22.87		
10	QPSK	25	0		22.96		23.5
10	QPSK	25	12		22.91		
10	QPSK	25	25		22.89		
10	QPSK	50	0		22.89		23.5
10	16QAM	1	0		22.80		
10	16QAM	1	25		22.85		
10	16QAM	1	49		22.74		23.3
10	16QAM	25	0		22.19		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.13		23.3
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.38		
10	64QAM	1	25		22.36		22.3
10	64QAM	1	49		22.43		
10	64QAM	25	0		21.38		
10	64QAM	25	12		21.35		22.3
10	64QAM	25	25		21.37		
10	64QAM	50	0		21.30		
10	256QAM	1	0		19.39		20.3
10	256QAM	1	25		19.38		
10	256QAM	1	49		19.33		
10	256QAM	25	0		19.30		20.3
10	256QAM	25	12		19.33		
10	256QAM	25	25		19.37		
10	256QAM	50	0		19.32		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	22.99	22.90	22.96	23.5
5	QPSK	1	12	22.95	22.95	22.89	
5	QPSK	1	24	22.87	22.84	22.79	
5	QPSK	12	0	22.89	22.92	22.93	23.5
5	QPSK	12	7	22.83	22.89	22.82	
5	QPSK	12	13	22.84	22.85	22.80	
5	QPSK	25	0	22.86	22.81	22.80	23.5
5	16QAM	1	0	22.73	22.78	22.73	
5	16QAM	1	12	22.79	22.78	22.79	
5	16QAM	1	24	22.74	22.67	22.73	23.3
5	16QAM	12	0	22.27	22.22	22.29	
5	16QAM	12	7	22.26	22.27	22.20	
5	16QAM	12	13	22.26	22.22	22.24	23.3
5	16QAM	25	0	22.22	22.16	22.18	
5	64QAM	1	0	22.34	22.31	22.35	
5	64QAM	1	12	22.29	22.33	22.35	23.3
5	64QAM	1	24	22.37	22.41	22.35	
5	64QAM	12	0	21.33	21.38	21.31	
5	64QAM	12	7	21.35	21.31	21.37	22.3
5	64QAM	12	13	21.35	21.32	21.34	
5	64QAM	25	0	21.34	21.39	21.39	
5	256QAM	1	0	19.30	19.34	19.39	20.3
5	256QAM	1	12	19.35	19.35	19.36	
5	256QAM	1	24	19.29	19.25	19.32	
5	256QAM	12	0	19.34	19.36	19.32	20.3
5	256QAM	12	7	19.33	19.36	19.37	
5	256QAM	12	13	19.37	19.33	19.39	
5	256QAM	25	0	19.33	19.34	19.31	

**<LTE Band 14_Ant 0_Index 4>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.28		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.27		24.3
10	QPSK	25	12		23.26		
10	QPSK	25	25		23.25		
10	QPSK	50	0		23.30		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.35		
10	16QAM	1	49		23.22		23.3
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.21		23.3
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.37		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.26		22.3
10	64QAM	25	25		21.24		
10	64QAM	50	0		21.25		
10	256QAM	1	0		19.38		20.3
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.28		
10	256QAM	25	0		19.24		20.3
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.24		
10	256QAM	50	0		19.12		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.08	24.18	24.20	25.3
5	QPSK	1	12	24.14	23.98	24.11	
5	QPSK	1	24	23.97	24.09	24.05	
5	QPSK	12	0	23.12	23.16	23.18	24.3
5	QPSK	12	7	23.19	23.11	23.21	
5	QPSK	12	13	23.25	23.22	23.16	
5	QPSK	25	0	23.28	23.26	23.28	24.3
5	16QAM	1	0	23.15	23.11	23.29	
5	16QAM	1	12	23.21	23.34	23.25	
5	16QAM	1	24	23.07	23.16	23.13	23.3
5	16QAM	12	0	22.10	22.14	22.19	
5	16QAM	12	7	22.20	22.18	22.18	
5	16QAM	12	13	22.17	22.10	22.10	23.3
5	16QAM	25	0	22.17	22.19	22.19	
5	64QAM	1	0	22.37	22.28	22.47	
5	64QAM	1	12	22.37	22.20	22.35	23.3
5	64QAM	1	24	22.18	22.22	22.29	
5	64QAM	12	0	21.16	21.12	21.21	
5	64QAM	12	7	21.15	21.12	21.17	22.3
5	64QAM	12	13	21.05	21.15	21.22	
5	64QAM	25	0	21.12	21.13	21.11	
5	256QAM	1	0	19.31	19.24	19.35	20.3
5	256QAM	1	12	19.20	19.27	19.23	
5	256QAM	1	24	19.14	19.24	19.24	
5	256QAM	12	0	19.24	19.06	19.04	20.3
5	256QAM	12	7	19.25	19.15	19.07	
5	256QAM	12	13	19.11	19.14	19.13	
5	256QAM	25	0	18.98	19.08	18.95	



<LTE Band 14_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.17		25.3
10	QPSK	1	25		24.12		
10	QPSK	1	49		24.07		
10	QPSK	25	0		23.24		24.3
10	QPSK	25	12		23.18		
10	QPSK	25	25		23.13		
10	QPSK	50	0		23.21		24.3
10	16QAM	1	0		23.28		
10	16QAM	1	25		23.19		
10	16QAM	1	49		23.19		23.3
10	16QAM	25	0		22.25		
10	16QAM	25	12		22.21		
10	16QAM	25	25		22.13		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.31		
10	64QAM	1	25		22.33		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.22		22.3
10	64QAM	25	25		21.22		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.36		20.3
10	256QAM	1	25		19.12		
10	256QAM	1	49		19.24		
10	256QAM	25	0		19.18		20.3
10	256QAM	25	12		19.15		
10	256QAM	25	25		19.06		
10	256QAM	50	0		19.17		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.03	24.04	24.04	25.3
5	QPSK	1	12	23.94	24.10	24.04	
5	QPSK	1	24	24.04	24.05	23.96	
5	QPSK	12	0	23.12	23.20	23.17	24.3
5	QPSK	12	7	23.04	22.99	23.14	
5	QPSK	12	13	23.13	22.98	22.95	
5	QPSK	25	0	23.21	23.03	23.15	24.3
5	16QAM	1	0	23.09	23.15	23.18	
5	16QAM	1	12	23.07	23.00	23.15	
5	16QAM	1	24	23.07	23.10	23.12	23.3
5	16QAM	12	0	22.25	22.06	22.13	
5	16QAM	12	7	22.01	22.05	22.08	
5	16QAM	12	13	22.07	21.94	21.96	23.3
5	16QAM	25	0	22.16	22.16	22.03	
5	64QAM	1	0	22.28	22.21	22.27	
5	64QAM	1	12	22.19	22.13	22.31	23.3
5	64QAM	1	24	22.19	22.10	22.21	
5	64QAM	12	0	21.22	21.27	21.22	
5	64QAM	12	7	21.03	21.10	21.20	22.3
5	64QAM	12	13	21.20	21.18	21.22	
5	64QAM	25	0	21.13	21.01	21.18	
5	256QAM	1	0	19.35	19.32	19.24	20.3
5	256QAM	1	12	19.10	19.01	19.03	
5	256QAM	1	24	19.05	19.15	19.13	
5	256QAM	12	0	19.07	19.16	19.06	20.3
5	256QAM	12	7	18.96	19.12	19.15	
5	256QAM	12	13	19.02	18.91	18.90	
5	256QAM	25	0	19.17	19.00	18.99	



<LTE Band 14_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.28		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.27		24.3
10	QPSK	25	12		23.26		
10	QPSK	25	25		23.25		
10	QPSK	50	0		23.30		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.35		
10	16QAM	1	49		23.22		23.3
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.21		23.3
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.37		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.26		22.3
10	64QAM	25	25		21.24		
10	64QAM	50	0		21.25		
10	256QAM	1	0		19.38		20.3
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.28		
10	256QAM	25	0		19.24		20.3
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.24		
10	256QAM	50	0		19.12		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.08	24.18	24.20	25.3
5	QPSK	1	12	24.14	23.98	24.11	
5	QPSK	1	24	23.97	24.09	24.05	
5	QPSK	12	0	23.12	23.16	23.18	24.3
5	QPSK	12	7	23.19	23.11	23.21	
5	QPSK	12	13	23.25	23.22	23.16	
5	QPSK	25	0	23.28	23.26	23.28	24.3
5	16QAM	1	0	23.15	23.11	23.29	
5	16QAM	1	12	23.21	23.34	23.25	
5	16QAM	1	24	23.07	23.16	23.13	23.3
5	16QAM	12	0	22.10	22.14	22.19	
5	16QAM	12	7	22.20	22.18	22.18	
5	16QAM	12	13	22.17	22.10	22.10	23.3
5	16QAM	25	0	22.17	22.19	22.19	
5	64QAM	1	0	22.37	22.28	22.47	
5	64QAM	1	12	22.37	22.20	22.35	23.3
5	64QAM	1	24	22.18	22.22	22.29	
5	64QAM	12	0	21.16	21.12	21.21	
5	64QAM	12	7	21.15	21.12	21.17	22.3
5	64QAM	12	13	21.05	21.15	21.22	
5	64QAM	25	0	21.12	21.13	21.11	
5	256QAM	1	0	19.31	19.24	19.35	20.3
5	256QAM	1	12	19.20	19.27	19.23	
5	256QAM	1	24	19.14	19.24	19.24	
5	256QAM	12	0	19.24	19.06	19.04	20.3
5	256QAM	12	7	19.25	19.15	19.07	
5	256QAM	12	13	19.11	19.14	19.13	
5	256QAM	25	0	18.98	19.08	18.95	



<LTE Band 14_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.17		25.3
10	QPSK	1	25		24.12		
10	QPSK	1	49		24.07		
10	QPSK	25	0		23.24		24.3
10	QPSK	25	12		23.18		
10	QPSK	25	25		23.13		
10	QPSK	50	0		23.21		24.3
10	16QAM	1	0		23.28		
10	16QAM	1	25		23.19		
10	16QAM	1	49		23.19		23.3
10	16QAM	25	0		22.25		
10	16QAM	25	12		22.21		
10	16QAM	25	25		22.13		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.31		
10	64QAM	1	25		22.33		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.22		22.3
10	64QAM	25	25		21.22		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.36		20.3
10	256QAM	1	25		19.12		
10	256QAM	1	49		19.24		
10	256QAM	25	0		19.18		20.3
10	256QAM	25	12		19.15		
10	256QAM	25	25		19.06		
10	256QAM	50	0		19.17		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.03	24.04	24.04	25.3
5	QPSK	1	12	23.94	24.10	24.04	
5	QPSK	1	24	24.04	24.05	23.96	
5	QPSK	12	0	23.12	23.20	23.17	24.3
5	QPSK	12	7	23.04	22.99	23.14	
5	QPSK	12	13	23.13	22.98	22.95	
5	QPSK	25	0	23.21	23.03	23.15	24.3
5	16QAM	1	0	23.09	23.15	23.18	
5	16QAM	1	12	23.07	23.00	23.15	
5	16QAM	1	24	23.07	23.10	23.12	23.3
5	16QAM	12	0	22.25	22.06	22.13	
5	16QAM	12	7	22.01	22.05	22.08	
5	16QAM	12	13	22.07	21.94	21.96	23.3
5	16QAM	25	0	22.16	22.16	22.03	
5	64QAM	1	0	22.28	22.21	22.27	
5	64QAM	1	12	22.19	22.13	22.31	23.3
5	64QAM	1	24	22.19	22.10	22.21	
5	64QAM	12	0	21.22	21.27	21.22	
5	64QAM	12	7	21.03	21.10	21.20	22.3
5	64QAM	12	13	21.20	21.18	21.22	
5	64QAM	25	0	21.13	21.01	21.18	
5	256QAM	1	0	19.35	19.32	19.24	20.3
5	256QAM	1	12	19.10	19.01	19.03	
5	256QAM	1	24	19.05	19.15	19.13	
5	256QAM	12	0	19.07	19.16	19.06	20.3
5	256QAM	12	7	18.96	19.12	19.15	
5	256QAM	12	13	19.02	18.91	18.90	
5	256QAM	25	0	19.17	19.00	18.99	



<LTE Band 14_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.28		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.27		24.3
10	QPSK	25	12		23.26		
10	QPSK	25	25		23.25		
10	QPSK	50	0		23.30		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.35		
10	16QAM	1	49		23.22		23.3
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.21		23.3
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.37		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.26		22.3
10	64QAM	25	25		21.24		
10	64QAM	50	0		21.25		
10	256QAM	1	0		19.38		20.3
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.28		
10	256QAM	25	0		19.24		20.3
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.24		
10	256QAM	50	0		19.12		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.08	24.18	24.20	25.3
5	QPSK	1	12	24.14	23.98	24.11	
5	QPSK	1	24	23.97	24.09	24.05	
5	QPSK	12	0	23.12	23.16	23.18	24.3
5	QPSK	12	7	23.19	23.11	23.21	
5	QPSK	12	13	23.25	23.22	23.16	
5	QPSK	25	0	23.28	23.26	23.28	24.3
5	16QAM	1	0	23.15	23.11	23.29	
5	16QAM	1	12	23.21	23.34	23.25	
5	16QAM	1	24	23.07	23.16	23.13	23.3
5	16QAM	12	0	22.10	22.14	22.19	
5	16QAM	12	7	22.20	22.18	22.18	
5	16QAM	12	13	22.17	22.10	22.10	23.3
5	16QAM	25	0	22.17	22.19	22.19	
5	64QAM	1	0	22.37	22.28	22.47	
5	64QAM	1	12	22.37	22.20	22.35	23.3
5	64QAM	1	24	22.18	22.22	22.29	
5	64QAM	12	0	21.16	21.12	21.21	
5	64QAM	12	7	21.15	21.12	21.17	22.3
5	64QAM	12	13	21.05	21.15	21.22	
5	64QAM	25	0	21.12	21.13	21.11	
5	256QAM	1	0	19.31	19.24	19.35	20.3
5	256QAM	1	12	19.20	19.27	19.23	
5	256QAM	1	24	19.14	19.24	19.24	
5	256QAM	12	0	19.24	19.06	19.04	20.3
5	256QAM	12	7	19.25	19.15	19.07	
5	256QAM	12	13	19.11	19.14	19.13	
5	256QAM	25	0	18.98	19.08	18.95	



<LTE Band 14_Ant 1_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.17		25.3
10	QPSK	1	25		24.12		
10	QPSK	1	49		24.07		
10	QPSK	25	0		23.24		24.3
10	QPSK	25	12		23.18		
10	QPSK	25	25		23.13		
10	QPSK	50	0		23.21		24.3
10	16QAM	1	0		23.28		
10	16QAM	1	25		23.19		
10	16QAM	1	49		23.19		23.3
10	16QAM	25	0		22.25		
10	16QAM	25	12		22.21		
10	16QAM	25	25		22.13		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.31		
10	64QAM	1	25		22.33		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.22		22.3
10	64QAM	25	25		21.22		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.36		20.3
10	256QAM	1	25		19.12		
10	256QAM	1	49		19.24		
10	256QAM	25	0		19.18		20.3
10	256QAM	25	12		19.15		
10	256QAM	25	25		19.06		
10	256QAM	50	0		19.17		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.03	24.04	24.04	25.3
5	QPSK	1	12	23.94	24.10	24.04	
5	QPSK	1	24	24.04	24.05	23.96	
5	QPSK	12	0	23.12	23.20	23.17	24.3
5	QPSK	12	7	23.04	22.99	23.14	
5	QPSK	12	13	23.13	22.98	22.95	
5	QPSK	25	0	23.21	23.03	23.15	24.3
5	16QAM	1	0	23.09	23.15	23.18	
5	16QAM	1	12	23.07	23.00	23.15	
5	16QAM	1	24	23.07	23.10	23.12	23.3
5	16QAM	12	0	22.25	22.06	22.13	
5	16QAM	12	7	22.01	22.05	22.08	
5	16QAM	12	13	22.07	21.94	21.96	23.3
5	16QAM	25	0	22.16	22.16	22.03	
5	64QAM	1	0	22.28	22.21	22.27	
5	64QAM	1	12	22.19	22.13	22.31	23.3
5	64QAM	1	24	22.19	22.10	22.21	
5	64QAM	12	0	21.22	21.27	21.22	
5	64QAM	12	7	21.03	21.10	21.20	22.3
5	64QAM	12	13	21.20	21.18	21.22	
5	64QAM	25	0	21.13	21.01	21.18	
5	256QAM	1	0	19.35	19.32	19.24	20.3
5	256QAM	1	12	19.10	19.01	19.03	
5	256QAM	1	24	19.05	19.15	19.13	
5	256QAM	12	0	19.07	19.16	19.06	20.3
5	256QAM	12	7	18.96	19.12	19.15	
5	256QAM	12	13	19.02	18.91	18.90	
5	256QAM	25	0	19.17	19.00	18.99	



<LTE Band 14_Ant 0_Index 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				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.28		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.27		24.3
10	QPSK	25	12		23.26		
10	QPSK	25	25		23.25		
10	QPSK	50	0		23.30		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.35		
10	16QAM	1	49		23.22		23.3
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.21		23.3
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.37		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.26		22.3
10	64QAM	25	25		21.24		
10	64QAM	50	0		21.25		
10	256QAM	1	0		19.38		20.3
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.28		
10	256QAM	25	0		19.24		20.3
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.24		
10	256QAM	50	0		19.12		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.08	24.18	24.20	25.3
5	QPSK	1	12	24.14	23.98	24.11	
5	QPSK	1	24	23.97	24.09	24.05	
5	QPSK	12	0	23.12	23.16	23.18	24.3
5	QPSK	12	7	23.19	23.11	23.21	
5	QPSK	12	13	23.25	23.22	23.16	
5	QPSK	25	0	23.28	23.26	23.28	24.3
5	16QAM	1	0	23.15	23.11	23.29	
5	16QAM	1	12	23.21	23.34	23.25	
5	16QAM	1	24	23.07	23.16	23.13	23.3
5	16QAM	12	0	22.10	22.14	22.19	
5	16QAM	12	7	22.20	22.18	22.18	
5	16QAM	12	13	22.17	22.10	22.10	23.3
5	16QAM	25	0	22.17	22.19	22.19	
5	64QAM	1	0	22.37	22.28	22.47	
5	64QAM	1	12	22.37	22.20	22.35	23.3
5	64QAM	1	24	22.18	22.22	22.29	
5	64QAM	12	0	21.16	21.12	21.21	
5	64QAM	12	7	21.15	21.12	21.17	22.3
5	64QAM	12	13	21.05	21.15	21.22	
5	64QAM	25	0	21.12	21.13	21.11	
5	256QAM	1	0	19.31	19.24	19.35	20.3
5	256QAM	1	12	19.20	19.27	19.23	
5	256QAM	1	24	19.14	19.24	19.24	
5	256QAM	12	0	19.24	19.06	19.04	20.3
5	256QAM	12	7	19.25	19.15	19.07	
5	256QAM	12	13	19.11	19.14	19.13	
5	256QAM	25	0	18.98	19.08	18.95	



<LTE Band 14_Ant 1_Index 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				23330			
Frequency (MHz)				793			
10	QPSK	1	0		24.17		24.3
10	QPSK	1	25		24.12		
10	QPSK	1	49		24.07		
10	QPSK	25	0		23.24		24.3
10	QPSK	25	12		23.18		
10	QPSK	25	25		23.13		
10	QPSK	50	0		23.21		24.3
10	16QAM	1	0		23.28		
10	16QAM	1	25		23.19		
10	16QAM	1	49		23.19		23.3
10	16QAM	25	0		22.25		
10	16QAM	25	12		22.21		
10	16QAM	25	25		22.13		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.31		
10	64QAM	1	25		22.33		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.22		22.3
10	64QAM	25	25		21.22		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.36		20.3
10	256QAM	1	25		19.12		
10	256QAM	1	49		19.24		
10	256QAM	25	0		19.18		20.3
10	256QAM	25	12		19.15		
10	256QAM	25	25		19.06		
10	256QAM	50	0		19.17		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.03	24.04	24.04	24.3
5	QPSK	1	12	23.94	24.10	24.04	
5	QPSK	1	24	24.04	24.05	23.96	
5	QPSK	12	0	23.12	23.20	23.17	24.3
5	QPSK	12	7	23.04	22.99	23.14	
5	QPSK	12	13	23.13	22.98	22.95	
5	QPSK	25	0	23.21	23.03	23.15	24.3
5	16QAM	1	0	23.09	23.15	23.18	
5	16QAM	1	12	23.07	23.00	23.15	
5	16QAM	1	24	23.07	23.10	23.12	23.3
5	16QAM	12	0	22.25	22.06	22.13	
5	16QAM	12	7	22.01	22.05	22.08	
5	16QAM	12	13	22.07	21.94	21.96	23.3
5	16QAM	25	0	22.16	22.16	22.03	
5	64QAM	1	0	22.28	22.21	22.27	
5	64QAM	1	12	22.19	22.13	22.31	23.3
5	64QAM	1	24	22.19	22.10	22.21	
5	64QAM	12	0	21.22	21.27	21.22	
5	64QAM	12	7	21.03	21.10	21.20	22.3
5	64QAM	12	13	21.20	21.18	21.22	
5	64QAM	25	0	21.13	21.01	21.18	
5	256QAM	1	0	19.35	19.32	19.24	20.3
5	256QAM	1	12	19.10	19.01	19.03	
5	256QAM	1	24	19.05	19.15	19.13	
5	256QAM	12	0	19.07	19.16	19.06	20.3
5	256QAM	12	7	18.96	19.12	19.15	
5	256QAM	12	13	19.02	18.91	18.90	
5	256QAM	25	0	19.17	19.00	18.99	



<LTE Band 14_Ant 0_Index 9>

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		24.28		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.27		
10	QPSK	25	12		23.26		24.3
10	QPSK	25	25		23.25		
10	QPSK	50	0		23.30		
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.35		24.3
10	16QAM	1	49		23.22		
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.21		23.3
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.37		
10	64QAM	1	49		22.29		23.3
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.26		
10	64QAM	25	25		21.24		
10	64QAM	50	0		21.25		22.3
10	256QAM	1	0		19.38		
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.28		
10	256QAM	25	0		19.24		20.3
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.24		
10	256QAM	50	0		19.12		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.08	24.18	24.20	25.3
5	QPSK	1	12	24.14	23.98	24.11	
5	QPSK	1	24	23.97	24.09	24.05	
5	QPSK	12	0	23.12	23.16	23.18	
5	QPSK	12	7	23.19	23.11	23.21	24.3
5	QPSK	12	13	23.25	23.22	23.16	
5	QPSK	25	0	23.28	23.26	23.28	
5	16QAM	1	0	23.15	23.11	23.29	
5	16QAM	1	12	23.21	23.34	23.25	24.3
5	16QAM	1	24	23.07	23.16	23.13	
5	16QAM	12	0	22.10	22.14	22.19	
5	16QAM	12	7	22.20	22.18	22.18	
5	16QAM	12	13	22.17	22.10	22.10	23.3
5	16QAM	25	0	22.17	22.19	22.19	
5	64QAM	1	0	22.37	22.28	22.47	
5	64QAM	1	12	22.37	22.20	22.35	
5	64QAM	1	24	22.18	22.22	22.29	23.3
5	64QAM	12	0	21.16	21.12	21.21	
5	64QAM	12	7	21.15	21.12	21.17	
5	64QAM	12	13	21.05	21.15	21.22	
5	64QAM	25	0	21.12	21.13	21.11	22.3
5	256QAM	1	0	19.31	19.24	19.35	
5	256QAM	1	12	19.20	19.27	19.23	
5	256QAM	1	24	19.14	19.24	19.24	
5	256QAM	12	0	19.24	19.06	19.04	20.3
5	256QAM	12	7	19.25	19.15	19.07	
5	256QAM	12	13	19.11	19.14	19.13	
5	256QAM	25	0	18.98	19.08	18.95	



<LTE Band 14_Ant 1_Index 9>

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		24.17		25.3
10	QPSK	1	25		24.12		
10	QPSK	1	49		24.07		
10	QPSK	25	0		23.24		24.3
10	QPSK	25	12		23.18		
10	QPSK	25	25		23.13		
10	QPSK	50	0		23.21		24.3
10	16QAM	1	0		23.28		
10	16QAM	1	25		23.19		
10	16QAM	1	49		23.19		23.3
10	16QAM	25	0		22.25		
10	16QAM	25	12		22.21		
10	16QAM	25	25		22.13		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.31		
10	64QAM	1	25		22.33		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.22		22.3
10	64QAM	25	25		21.22		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.36		20.3
10	256QAM	1	25		19.12		
10	256QAM	1	49		19.24		
10	256QAM	25	0		19.18		20.3
10	256QAM	25	12		19.15		
10	256QAM	25	25		19.06		
10	256QAM	50	0		19.17		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.03	24.04	24.04	25.3
5	QPSK	1	12	23.94	24.10	24.04	
5	QPSK	1	24	24.04	24.05	23.96	
5	QPSK	12	0	23.12	23.20	23.17	24.3
5	QPSK	12	7	23.04	22.99	23.14	
5	QPSK	12	13	23.13	22.98	22.95	
5	QPSK	25	0	23.21	23.03	23.15	24.3
5	16QAM	1	0	23.09	23.15	23.18	
5	16QAM	1	12	23.07	23.00	23.15	
5	16QAM	1	24	23.07	23.10	23.12	23.3
5	16QAM	12	0	22.25	22.06	22.13	
5	16QAM	12	7	22.01	22.05	22.08	
5	16QAM	12	13	22.07	21.94	21.96	23.3
5	16QAM	25	0	22.16	22.16	22.03	
5	64QAM	1	0	22.28	22.21	22.27	
5	64QAM	1	12	22.19	22.13	22.31	23.3
5	64QAM	1	24	22.19	22.10	22.21	
5	64QAM	12	0	21.22	21.27	21.22	
5	64QAM	12	7	21.03	21.10	21.20	22.3
5	64QAM	12	13	21.20	21.18	21.22	
5	64QAM	25	0	21.13	21.01	21.18	
5	256QAM	1	0	19.35	19.32	19.24	20.3
5	256QAM	1	12	19.10	19.01	19.03	
5	256QAM	1	24	19.05	19.15	19.13	
5	256QAM	12	0	19.07	19.16	19.06	20.3
5	256QAM	12	7	18.96	19.12	19.15	
5	256QAM	12	13	19.02	18.91	18.90	
5	256QAM	25	0	19.17	19.00	18.99	



<LTE Band 14_Ant 0_Index 10>

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		24.28		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.27		24.3
10	QPSK	25	12		23.26		
10	QPSK	25	25		23.25		
10	QPSK	50	0		23.30		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.35		
10	16QAM	1	49		23.22		23.3
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.21		23.3
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.37		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.26		22.3
10	64QAM	25	25		21.24		
10	64QAM	50	0		21.25		
10	256QAM	1	0		19.38		20.3
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.28		
10	256QAM	25	0		19.24		20.3
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.24		
10	256QAM	50	0		19.12		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.08	24.18	24.20	25.3
5	QPSK	1	12	24.14	23.98	24.11	
5	QPSK	1	24	23.97	24.09	24.05	
5	QPSK	12	0	23.12	23.16	23.18	24.3
5	QPSK	12	7	23.19	23.11	23.21	
5	QPSK	12	13	23.25	23.22	23.16	
5	QPSK	25	0	23.28	23.26	23.28	24.3
5	16QAM	1	0	23.15	23.11	23.29	
5	16QAM	1	12	23.21	23.34	23.25	
5	16QAM	1	24	23.07	23.16	23.13	23.3
5	16QAM	12	0	22.10	22.14	22.19	
5	16QAM	12	7	22.20	22.18	22.18	
5	16QAM	12	13	22.17	22.10	22.10	23.3
5	16QAM	25	0	22.17	22.19	22.19	
5	64QAM	1	0	22.37	22.28	22.47	
5	64QAM	1	12	22.37	22.20	22.35	23.3
5	64QAM	1	24	22.18	22.22	22.29	
5	64QAM	12	0	21.16	21.12	21.21	
5	64QAM	12	7	21.15	21.12	21.17	22.3
5	64QAM	12	13	21.05	21.15	21.22	
5	64QAM	25	0	21.12	21.13	21.11	
5	256QAM	1	0	19.31	19.24	19.35	20.3
5	256QAM	1	12	19.20	19.27	19.23	
5	256QAM	1	24	19.14	19.24	19.24	
5	256QAM	12	0	19.24	19.06	19.04	20.3
5	256QAM	12	7	19.25	19.15	19.07	
5	256QAM	12	13	19.11	19.14	19.13	
5	256QAM	25	0	18.98	19.08	18.95	



<LTE Band 14_Ant 1_Index 10>

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		24.17		25.3
10	QPSK	1	25		24.12		
10	QPSK	1	49		24.07		
10	QPSK	25	0		23.24		24.3
10	QPSK	25	12		23.18		
10	QPSK	25	25		23.13		
10	QPSK	50	0		23.21		24.3
10	16QAM	1	0		23.28		
10	16QAM	1	25		23.19		
10	16QAM	1	49		23.19		23.3
10	16QAM	25	0		22.25		
10	16QAM	25	12		22.21		
10	16QAM	25	25		22.13		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.31		
10	64QAM	1	25		22.33		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.22		22.3
10	64QAM	25	25		21.22		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.36		20.3
10	256QAM	1	25		19.12		
10	256QAM	1	49		19.24		
10	256QAM	25	0		19.18		20.3
10	256QAM	25	12		19.15		
10	256QAM	25	25		19.06		
10	256QAM	50	0		19.17		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.03	24.04	24.04	25.3
5	QPSK	1	12	23.94	24.10	24.04	
5	QPSK	1	24	24.04	24.05	23.96	
5	QPSK	12	0	23.12	23.20	23.17	24.3
5	QPSK	12	7	23.04	22.99	23.14	
5	QPSK	12	13	23.13	22.98	22.95	
5	QPSK	25	0	23.21	23.03	23.15	24.3
5	16QAM	1	0	23.09	23.15	23.18	
5	16QAM	1	12	23.07	23.00	23.15	
5	16QAM	1	24	23.07	23.10	23.12	23.3
5	16QAM	12	0	22.25	22.06	22.13	
5	16QAM	12	7	22.01	22.05	22.08	
5	16QAM	12	13	22.07	21.94	21.96	23.3
5	16QAM	25	0	22.16	22.16	22.03	
5	64QAM	1	0	22.28	22.21	22.27	
5	64QAM	1	12	22.19	22.13	22.31	23.3
5	64QAM	1	24	22.19	22.10	22.21	
5	64QAM	12	0	21.22	21.27	21.22	
5	64QAM	12	7	21.03	21.10	21.20	22.3
5	64QAM	12	13	21.20	21.18	21.22	
5	64QAM	25	0	21.13	21.01	21.18	
5	256QAM	1	0	19.35	19.32	19.24	20.3
5	256QAM	1	12	19.10	19.01	19.03	
5	256QAM	1	24	19.05	19.15	19.13	
5	256QAM	12	0	19.07	19.16	19.06	20.3
5	256QAM	12	7	18.96	19.12	19.15	
5	256QAM	12	13	19.02	18.91	18.90	
5	256QAM	25	0	19.17	19.00	18.99	



<LTE Band 14_Ant 0_Index 11>

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		24.28		25.3
10	QPSK	1	25		24.16		
10	QPSK	1	49		24.10		
10	QPSK	25	0		23.27		24.3
10	QPSK	25	12		23.26		
10	QPSK	25	25		23.25		
10	QPSK	50	0		23.30		24.3
10	16QAM	1	0		23.31		
10	16QAM	1	25		23.35		
10	16QAM	1	49		23.22		23.3
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.25		
10	16QAM	25	25		22.21		23.3
10	16QAM	50	0		22.22		
10	64QAM	1	0		22.48		
10	64QAM	1	25		22.37		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.29		
10	64QAM	25	12		21.26		22.3
10	64QAM	25	25		21.24		
10	64QAM	50	0		21.25		
10	256QAM	1	0		19.38		20.3
10	256QAM	1	25		19.33		
10	256QAM	1	49		19.28		
10	256QAM	25	0		19.24		20.3
10	256QAM	25	12		19.26		
10	256QAM	25	25		19.24		
10	256QAM	50	0		19.12		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.08	24.18	24.20	25.3
5	QPSK	1	12	24.14	23.98	24.11	
5	QPSK	1	24	23.97	24.09	24.05	
5	QPSK	12	0	23.12	23.16	23.18	24.3
5	QPSK	12	7	23.19	23.11	23.21	
5	QPSK	12	13	23.25	23.22	23.16	
5	QPSK	25	0	23.28	23.26	23.28	24.3
5	16QAM	1	0	23.15	23.11	23.29	
5	16QAM	1	12	23.21	23.34	23.25	
5	16QAM	1	24	23.07	23.16	23.13	23.3
5	16QAM	12	0	22.10	22.14	22.19	
5	16QAM	12	7	22.20	22.18	22.18	
5	16QAM	12	13	22.17	22.10	22.10	23.3
5	16QAM	25	0	22.17	22.19	22.19	
5	64QAM	1	0	22.37	22.28	22.47	
5	64QAM	1	12	22.37	22.20	22.35	23.3
5	64QAM	1	24	22.18	22.22	22.29	
5	64QAM	12	0	21.16	21.12	21.21	
5	64QAM	12	7	21.15	21.12	21.17	22.3
5	64QAM	12	13	21.05	21.15	21.22	
5	64QAM	25	0	21.12	21.13	21.11	
5	256QAM	1	0	19.31	19.24	19.35	20.3
5	256QAM	1	12	19.20	19.27	19.23	
5	256QAM	1	24	19.14	19.24	19.24	
5	256QAM	12	0	19.24	19.06	19.04	20.3
5	256QAM	12	7	19.25	19.15	19.07	
5	256QAM	12	13	19.11	19.14	19.13	
5	256QAM	25	0	18.98	19.08	18.95	



<LTE Band 14_Ant 1_Index 11>

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		24.17		25.3
10	QPSK	1	25		24.12		
10	QPSK	1	49		24.07		
10	QPSK	25	0		23.24		24.3
10	QPSK	25	12		23.18		
10	QPSK	25	25		23.13		
10	QPSK	50	0		23.21		24.3
10	16QAM	1	0		23.28		
10	16QAM	1	25		23.19		
10	16QAM	1	49		23.19		23.3
10	16QAM	25	0		22.25		
10	16QAM	25	12		22.21		
10	16QAM	25	25		22.13		23.3
10	16QAM	50	0		22.16		
10	64QAM	1	0		22.31		
10	64QAM	1	25		22.33		23.3
10	64QAM	1	49		22.29		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.22		22.3
10	64QAM	25	25		21.22		
10	64QAM	50	0		21.19		
10	256QAM	1	0		19.36		20.3
10	256QAM	1	25		19.12		
10	256QAM	1	49		19.24		
10	256QAM	25	0		19.18		20.3
10	256QAM	25	12		19.15		
10	256QAM	25	25		19.06		
10	256QAM	50	0		19.17		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	24.03	24.04	24.04	25.3
5	QPSK	1	12	23.94	24.10	24.04	
5	QPSK	1	24	24.04	24.05	23.96	
5	QPSK	12	0	23.12	23.20	23.17	24.3
5	QPSK	12	7	23.04	22.99	23.14	
5	QPSK	12	13	23.13	22.98	22.95	
5	QPSK	25	0	23.21	23.03	23.15	24.3
5	16QAM	1	0	23.09	23.15	23.18	
5	16QAM	1	12	23.07	23.00	23.15	
5	16QAM	1	24	23.07	23.10	23.12	23.3
5	16QAM	12	0	22.25	22.06	22.13	
5	16QAM	12	7	22.01	22.05	22.08	
5	16QAM	12	13	22.07	21.94	21.96	23.3
5	16QAM	25	0	22.16	22.16	22.03	
5	64QAM	1	0	22.28	22.21	22.27	
5	64QAM	1	12	22.19	22.13	22.31	23.3
5	64QAM	1	24	22.19	22.10	22.21	
5	64QAM	12	0	21.22	21.27	21.22	
5	64QAM	12	7	21.03	21.10	21.20	22.3
5	64QAM	12	13	21.20	21.18	21.22	
5	64QAM	25	0	21.13	21.01	21.18	
5	256QAM	1	0	19.35	19.32	19.24	20.3
5	256QAM	1	12	19.10	19.01	19.03	
5	256QAM	1	24	19.05	19.15	19.13	
5	256QAM	12	0	19.07	19.16	19.06	20.3
5	256QAM	12	7	18.96	19.12	19.15	
5	256QAM	12	13	19.02	18.91	18.90	
5	256QAM	25	0	19.17	19.00	18.99	



<LTE Band 17_Ant 0_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.12	24.11	24.10	25.3
10	QPSK	1	25	24.11	24.08	24.07	
10	QPSK	1	49	24.05	24.00	23.98	
10	QPSK	25	0	23.15	23.09	23.08	24.3
10	QPSK	25	12	23.09	23.11	23.10	
10	QPSK	25	25	23.04	23.05	23.10	
10	QPSK	50	0	23.12	23.11	23.15	24.3
10	16QAM	1	0	23.45	23.28	23.33	
10	16QAM	1	25	23.21	23.15	23.24	
10	16QAM	1	49	23.19	23.25	23.06	23.3
10	16QAM	25	0	22.13	22.14	22.11	
10	16QAM	25	12	22.11	22.11	22.10	
10	16QAM	25	25	22.05	22.02	22.04	23.3
10	16QAM	50	0	22.12	22.09	22.09	
10	64QAM	1	0	22.32	22.28	22.26	
10	64QAM	1	25	22.26	22.22	22.26	22.3
10	64QAM	1	49	22.15	22.07	22.11	
10	64QAM	25	0	21.16	21.16	21.16	
10	64QAM	25	12	21.15	21.12	21.15	20.3
10	64QAM	25	25	21.08	21.08	21.10	
10	64QAM	50	0	21.13	21.08	21.09	
10	256QAM	1	0	19.25	19.20	19.17	20.3
10	256QAM	1	25	19.15	19.13	19.05	
10	256QAM	1	49	19.17	19.18	19.07	
10	256QAM	25	0	19.09	19.07	19.02	20.3
10	256QAM	25	12	18.95	19.00	18.97	
10	256QAM	25	25	18.83	18.88	18.78	
10	256QAM	50	0	19.06	19.05	18.93	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.03	24.03	23.91	25.3
5	QPSK	1	12	23.97	23.97	24.07	
5	QPSK	1	24	23.87	23.88	23.98	
5	QPSK	12	0	23.06	23.08	23.02	24.3
5	QPSK	12	7	22.97	22.97	23.07	
5	QPSK	12	13	23.04	23.03	22.94	
5	QPSK	25	0	22.93	22.93	23.07	24.3
5	16QAM	1	0	23.42	23.15	23.29	
5	16QAM	1	12	23.13	23.11	23.24	
5	16QAM	1	24	23.02	23.24	23.02	23.3
5	16QAM	12	0	21.95	22.12	22.04	
5	16QAM	12	7	22.11	22.09	21.95	
5	16QAM	12	13	22.04	22.01	21.91	23.3
5	16QAM	25	0	22.01	21.89	22.02	
5	64QAM	1	0	22.14	22.18	22.12	
5	64QAM	1	12	22.09	22.13	22.23	22.3
5	64QAM	1	24	22.06	21.95	22.09	
5	64QAM	12	0	21.01	21.10	21.09	
5	64QAM	12	7	21.12	21.12	21.08	20.3
5	64QAM	12	13	20.95	21.02	20.97	
5	64QAM	25	0	20.98	20.95	20.89	
5	256QAM	1	0	19.05	19.18	19.03	20.3
5	256QAM	1	12	19.01	18.95	18.89	
5	256QAM	1	24	19.14	19.17	18.92	
5	256QAM	12	0	19.00	18.90	18.83	20.3
5	256QAM	12	7	18.85	18.81	18.93	
5	256QAM	12	13	18.80	18.72	18.58	
5	256QAM	25	0	19.03	18.99	18.80	



<LTE Band 17_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	22.12	22.09	22.10	
10	QPSK	1	25	22.04	22.07	22.03	23.7
10	QPSK	1	49	21.95	22.01	22.00	
10	QPSK	25	0	22.09	22.20	22.12	
10	QPSK	25	12	22.14	22.03	22.13	23.7
10	QPSK	25	25	22.08	22.01	22.04	
10	QPSK	50	0	22.16	22.08	22.04	
10	16QAM	1	0	22.19	22.26	22.14	23.7
10	16QAM	1	25	22.17	22.23	22.25	
10	16QAM	1	49	22.09	22.14	22.02	
10	16QAM	25	0	22.03	22.05	21.98	23.7
10	16QAM	25	12	21.89	21.85	21.99	
10	16QAM	25	25	21.83	21.85	21.86	
10	16QAM	50	0	21.92	21.97	21.89	23.7
10	64QAM	1	0	22.27	22.24	22.04	
10	64QAM	1	25	22.03	21.96	21.98	
10	64QAM	1	49	21.97	21.96	22.08	23.3
10	64QAM	25	0	21.34	21.34	21.34	
10	64QAM	25	12	21.40	21.34	21.38	
10	64QAM	25	25	21.40	21.25	21.33	21.3
10	64QAM	50	0	21.33	21.36	21.32	
10	256QAM	1	0	19.50	19.35	19.42	
10	256QAM	1	25	19.28	19.39	19.29	21.3
10	256QAM	1	49	19.39	19.41	19.31	
10	256QAM	25	0	19.33	19.32	19.36	
10	256QAM	25	12	19.37	19.33	19.39	21.3
10	256QAM	25	25	19.38	19.34	19.40	
10	256QAM	50	0	19.41	19.35	19.40	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.11	22.04	22.07	
5	QPSK	1	12	22.04	21.97	21.96	23.7
5	QPSK	1	24	21.93	22.00	21.93	
5	QPSK	12	0	22.07	22.20	22.02	
5	QPSK	12	7	22.04	21.97	22.07	23.7
5	QPSK	12	13	22.08	22.01	21.99	
5	QPSK	25	0	22.06	22.05	21.96	
5	16QAM	1	0	22.18	22.20	22.06	23.7
5	16QAM	1	12	22.11	22.21	22.22	
5	16QAM	1	24	22.04	22.13	21.96	
5	16QAM	12	0	21.95	21.96	21.97	23.7
5	16QAM	12	7	21.88	21.83	21.94	
5	16QAM	12	13	21.74	21.82	21.81	
5	16QAM	25	0	21.82	21.95	21.89	23.7
5	64QAM	1	0	22.22	22.15	21.98	
5	64QAM	1	12	21.99	21.91	21.94	
5	64QAM	1	24	21.89	21.90	22.07	23.3
5	64QAM	12	0	21.33	21.34	21.29	
5	64QAM	12	7	21.31	21.34	21.29	
5	64QAM	12	13	21.36	21.37	21.31	21.3
5	64QAM	25	0	21.35	21.36	21.31	
5	256QAM	1	0	19.46	19.35	19.39	
5	256QAM	1	12	19.30	19.32	19.39	21.3
5	256QAM	1	24	19.33	19.38	19.33	
5	256QAM	12	0	19.37	19.31	19.32	
5	256QAM	12	7	19.38	19.37	19.36	21.3
5	256QAM	12	13	19.33	19.39	19.34	
5	256QAM	25	0	19.38	19.34	19.36	



<LTE Band 17_Ant 0_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.12	24.11	24.10	
10	QPSK	1	25	24.11	24.08	24.07	25.3
10	QPSK	1	49	24.05	24.00	23.98	
10	QPSK	25	0	23.15	23.09	23.08	
10	QPSK	25	12	23.09	23.11	23.10	24.3
10	QPSK	25	25	23.04	23.05	23.10	
10	QPSK	50	0	23.12	23.11	23.15	
10	16QAM	1	0	23.45	23.28	23.33	24.3
10	16QAM	1	25	23.21	23.15	23.24	
10	16QAM	1	49	23.19	23.25	23.06	
10	16QAM	25	0	22.13	22.14	22.11	23.3
10	16QAM	25	12	22.11	22.11	22.10	
10	16QAM	25	25	22.05	22.02	22.04	
10	16QAM	50	0	22.12	22.09	22.09	23.3
10	64QAM	1	0	22.32	22.28	22.26	
10	64QAM	1	25	22.26	22.22	22.26	
10	64QAM	1	49	22.15	22.07	22.11	22.3
10	64QAM	25	0	21.16	21.16	21.16	
10	64QAM	25	12	21.15	21.12	21.15	
10	64QAM	25	25	21.08	21.08	21.10	20.3
10	64QAM	50	0	21.13	21.08	21.09	
10	256QAM	1	0	19.25	19.20	19.17	
10	256QAM	1	25	19.15	19.13	19.05	20.3
10	256QAM	1	49	19.17	19.18	19.07	
10	256QAM	25	0	19.09	19.07	19.02	
10	256QAM	25	12	18.95	19.00	18.97	20.3
10	256QAM	25	25	18.83	18.88	18.78	
10	256QAM	50	0	19.06	19.05	18.93	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.03	24.03	23.91	
5	QPSK	1	12	23.97	23.97	24.07	25.3
5	QPSK	1	24	23.87	23.88	23.98	
5	QPSK	12	0	23.06	23.08	23.02	
5	QPSK	12	7	22.97	22.97	23.07	24.3
5	QPSK	12	13	23.04	23.03	22.94	
5	QPSK	25	0	22.93	22.93	23.07	
5	16QAM	1	0	23.42	23.15	23.29	24.3
5	16QAM	1	12	23.13	23.11	23.24	
5	16QAM	1	24	23.02	23.24	23.02	
5	16QAM	12	0	21.95	22.12	22.04	23.3
5	16QAM	12	7	22.11	22.09	21.95	
5	16QAM	12	13	22.04	22.01	21.91	
5	16QAM	25	0	22.01	21.89	22.02	23.3
5	64QAM	1	0	22.14	22.18	22.12	
5	64QAM	1	12	22.09	22.13	22.23	
5	64QAM	1	24	22.06	21.95	22.09	22.3
5	64QAM	12	0	21.01	21.10	21.09	
5	64QAM	12	7	21.12	21.12	21.08	
5	64QAM	12	13	20.95	21.02	20.97	20.3
5	64QAM	25	0	20.98	20.95	20.89	
5	256QAM	1	0	19.05	19.18	19.03	
5	256QAM	1	12	19.01	18.95	18.89	20.3
5	256QAM	1	24	19.14	19.17	18.92	
5	256QAM	12	0	19.00	18.90	18.83	
5	256QAM	12	7	18.85	18.81	18.93	20.3
5	256QAM	12	13	18.80	18.72	18.58	
5	256QAM	25	0	19.03	18.99	18.80	

**<LTE Band 17_Ant 1_Index 3>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	22.12	22.09	22.10	
10	QPSK	1	25	22.04	22.07	22.03	23
10	QPSK	1	49	21.95	22.01	22.00	
10	QPSK	25	0	22.09	22.20	22.12	
10	QPSK	25	12	22.14	22.03	22.13	23
10	QPSK	25	25	22.08	22.01	22.04	
10	QPSK	50	0	22.16	22.08	22.04	
10	16QAM	1	0	22.19	22.26	22.14	23
10	16QAM	1	25	22.17	22.23	22.25	
10	16QAM	1	49	22.09	22.14	22.02	
10	16QAM	25	0	22.03	22.05	21.98	22.7
10	16QAM	25	12	21.89	21.85	21.99	
10	16QAM	25	25	21.83	21.85	21.86	
10	16QAM	50	0	21.92	21.97	21.89	22.7
10	64QAM	1	0	22.27	22.24	22.04	
10	64QAM	1	25	22.03	21.96	21.98	
10	64QAM	1	49	21.97	21.96	22.08	21.7
10	64QAM	25	0	21.34	21.34	21.34	
10	64QAM	25	12	21.40	21.34	21.38	
10	64QAM	25	25	21.40	21.25	21.33	19.7
10	64QAM	50	0	21.33	21.36	21.32	
10	256QAM	1	0	19.50	19.35	19.42	
10	256QAM	1	25	19.28	19.39	19.29	19.7
10	256QAM	1	49	19.39	19.41	19.31	
10	256QAM	25	0	19.33	19.32	19.36	
10	256QAM	25	12	19.37	19.33	19.39	19.7
10	256QAM	25	25	19.38	19.34	19.40	
10	256QAM	50	0	19.41	19.35	19.40	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.11	22.04	22.07	
5	QPSK	1	12	22.04	21.97	21.96	23
5	QPSK	1	24	21.93	22.00	21.93	
5	QPSK	12	0	22.07	22.20	22.02	
5	QPSK	12	7	22.04	21.97	22.07	23
5	QPSK	12	13	22.08	22.01	21.99	
5	QPSK	25	0	22.06	22.05	21.96	
5	16QAM	1	0	22.18	22.20	22.06	23
5	16QAM	1	12	22.11	22.21	22.22	
5	16QAM	1	24	22.04	22.13	21.96	
5	16QAM	12	0	21.95	21.96	21.97	22.7
5	16QAM	12	7	21.88	21.83	21.94	
5	16QAM	12	13	21.74	21.82	21.81	
5	16QAM	25	0	21.82	21.95	21.89	22.7
5	64QAM	1	0	22.22	22.15	21.98	
5	64QAM	1	12	21.99	21.91	21.94	
5	64QAM	1	24	21.89	21.90	22.07	21.7
5	64QAM	12	0	21.33	21.34	21.29	
5	64QAM	12	7	21.31	21.34	21.29	
5	64QAM	12	13	21.36	21.37	21.31	19.7
5	64QAM	25	0	21.35	21.36	21.31	
5	256QAM	1	0	19.46	19.35	19.39	
5	256QAM	1	12	19.30	19.32	19.39	19.7
5	256QAM	1	24	19.33	19.38	19.33	
5	256QAM	12	0	19.37	19.31	19.32	
5	256QAM	12	7	19.38	19.37	19.36	19.7
5	256QAM	12	13	19.33	19.39	19.34	
5	256QAM	25	0	19.38	19.34	19.36	

**<LTE Band 17_Ant 0_Index 4>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.12	24.11	24.10	25.3
10	QPSK	1	25	24.11	24.08	24.07	
10	QPSK	1	49	24.05	24.00	23.98	
10	QPSK	25	0	23.15	23.09	23.08	24.3
10	QPSK	25	12	23.09	23.11	23.10	
10	QPSK	25	25	23.04	23.05	23.10	
10	QPSK	50	0	23.12	23.11	23.15	24.3
10	16QAM	1	0	23.45	23.28	23.33	
10	16QAM	1	25	23.21	23.15	23.24	
10	16QAM	1	49	23.19	23.25	23.06	23.3
10	16QAM	25	0	22.13	22.14	22.11	
10	16QAM	25	12	22.11	22.11	22.10	
10	16QAM	25	25	22.05	22.02	22.04	23.3
10	16QAM	50	0	22.12	22.09	22.09	
10	64QAM	1	0	22.32	22.28	22.26	
10	64QAM	1	25	22.26	22.22	22.26	22.3
10	64QAM	1	49	22.15	22.07	22.11	
10	64QAM	25	0	21.16	21.16	21.16	
10	64QAM	25	12	21.15	21.12	21.15	20.3
10	64QAM	25	25	21.08	21.08	21.10	
10	64QAM	50	0	21.13	21.08	21.09	
10	256QAM	1	0	19.25	19.20	19.17	20.3
10	256QAM	1	25	19.15	19.13	19.05	
10	256QAM	1	49	19.17	19.18	19.07	
10	256QAM	25	0	19.09	19.07	19.02	20.3
10	256QAM	25	12	18.95	19.00	18.97	
10	256QAM	25	25	18.83	18.88	18.78	
10	256QAM	50	0	19.06	19.05	18.93	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.03	24.03	23.91	25.3
5	QPSK	1	12	23.97	23.97	24.07	
5	QPSK	1	24	23.87	23.88	23.98	
5	QPSK	12	0	23.06	23.08	23.02	24.3
5	QPSK	12	7	22.97	22.97	23.07	
5	QPSK	12	13	23.04	23.03	22.94	
5	QPSK	25	0	22.93	22.93	23.07	24.3
5	16QAM	1	0	23.42	23.15	23.29	
5	16QAM	1	12	23.13	23.11	23.24	
5	16QAM	1	24	23.02	23.24	23.02	23.3
5	16QAM	12	0	21.95	22.12	22.04	
5	16QAM	12	7	22.11	22.09	21.95	
5	16QAM	12	13	22.04	22.01	21.91	23.3
5	16QAM	25	0	22.01	21.89	22.02	
5	64QAM	1	0	22.14	22.18	22.12	
5	64QAM	1	12	22.09	22.13	22.23	22.3
5	64QAM	1	24	22.06	21.95	22.09	
5	64QAM	12	0	21.01	21.10	21.09	
5	64QAM	12	7	21.12	21.12	21.08	20.3
5	64QAM	12	13	20.95	21.02	20.97	
5	64QAM	25	0	20.98	20.95	20.89	
5	256QAM	1	0	19.05	19.18	19.03	20.3
5	256QAM	1	12	19.01	18.95	18.89	
5	256QAM	1	24	19.14	19.17	18.92	
5	256QAM	12	0	19.00	18.90	18.83	20.3
5	256QAM	12	7	18.85	18.81	18.93	
5	256QAM	12	13	18.80	18.72	18.58	
5	256QAM	25	0	19.03	18.99	18.80	

**<LTE Band 17_Ant 1_Index 4>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.97	23.93	23.86	25.3
10	QPSK	1	25	23.92	23.79	23.86	
10	QPSK	1	49	23.79	23.76	23.73	
10	QPSK	25	0	22.96	22.94	22.91	24.3
10	QPSK	25	12	22.90	22.91	22.88	
10	QPSK	25	25	22.87	22.86	22.82	
10	QPSK	50	0	22.93	22.91	22.88	24.3
10	16QAM	1	0	23.20	23.12	23.11	
10	16QAM	1	25	23.04	22.94	22.94	
10	16QAM	1	49	23.03	22.90	23.00	23.3
10	16QAM	25	0	21.95	21.94	21.93	
10	16QAM	25	12	21.91	21.89	21.91	
10	16QAM	25	25	21.88	21.84	21.85	23.3
10	16QAM	50	0	21.88	21.88	21.92	
10	64QAM	1	0	22.25	22.20	22.20	
10	64QAM	1	25	21.99	22.09	22.09	22.3
10	64QAM	1	49	21.98	21.94	21.90	
10	64QAM	25	0	21.00	21.00	20.97	
10	64QAM	25	12	20.91	20.88	20.92	20.3
10	64QAM	25	25	20.87	20.83	20.85	
10	64QAM	50	0	20.88	20.89	20.87	
10	256QAM	1	0	19.17	19.16	19.12	20.3
10	256QAM	1	25	18.99	19.05	18.93	
10	256QAM	1	49	18.95	19.04	18.92	
10	256QAM	25	0	18.85	18.92	18.78	20.3
10	256QAM	25	12	18.85	18.90	18.80	
10	256QAM	25	25	18.84	18.87	18.83	
10	256QAM	50	0	18.79	18.79	18.65	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.78	23.82	23.75	25.3
5	QPSK	1	12	23.89	23.74	23.86	
5	QPSK	1	24	23.74	23.56	23.62	
5	QPSK	12	0	22.85	22.84	22.71	24.3
5	QPSK	12	7	22.72	22.90	22.75	
5	QPSK	12	13	22.84	22.78	22.78	
5	QPSK	25	0	22.93	22.88	22.77	24.3
5	16QAM	1	0	23.03	23.01	23.04	
5	16QAM	1	12	23.04	22.89	22.89	
5	16QAM	1	24	22.83	22.75	22.94	23.3
5	16QAM	12	0	21.82	21.81	21.84	
5	16QAM	12	7	21.77	21.80	21.84	
5	16QAM	12	13	21.80	21.65	21.81	23.3
5	16QAM	25	0	21.73	21.82	21.77	
5	64QAM	1	0	22.21	22.14	22.12	
5	64QAM	1	12	21.98	22.08	22.04	22.3
5	64QAM	1	24	21.78	21.81	21.78	
5	64QAM	12	0	20.99	20.91	20.91	
5	64QAM	12	7	20.75	20.74	20.92	20.3
5	64QAM	12	13	20.69	20.66	20.69	
5	64QAM	25	0	20.85	20.71	20.85	
5	256QAM	1	0	19.12	19.02	19.01	20.3
5	256QAM	1	12	18.80	18.91	18.74	
5	256QAM	1	24	18.89	18.89	18.83	
5	256QAM	12	0	18.75	18.74	18.77	20.3
5	256QAM	12	7	18.83	18.79	18.61	
5	256QAM	12	13	18.83	18.69	18.80	
5	256QAM	25	0	18.72	18.62	18.54	



<LTE Band 17_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.12	24.11	24.10	
10	QPSK	1	25	24.11	24.08	24.07	25.3
10	QPSK	1	49	24.05	24.00	23.98	
10	QPSK	25	0	23.15	23.09	23.08	
10	QPSK	25	12	23.09	23.11	23.10	24.3
10	QPSK	25	25	23.04	23.05	23.10	
10	QPSK	50	0	23.12	23.11	23.15	
10	16QAM	1	0	23.45	23.28	23.33	24.3
10	16QAM	1	25	23.21	23.15	23.24	
10	16QAM	1	49	23.19	23.25	23.06	
10	16QAM	25	0	22.13	22.14	22.11	23.3
10	16QAM	25	12	22.11	22.11	22.10	
10	16QAM	25	25	22.05	22.02	22.04	
10	16QAM	50	0	22.12	22.09	22.09	23.3
10	64QAM	1	0	22.32	22.28	22.26	
10	64QAM	1	25	22.26	22.22	22.26	
10	64QAM	1	49	22.15	22.07	22.11	22.3
10	64QAM	25	0	21.16	21.16	21.16	
10	64QAM	25	12	21.15	21.12	21.15	
10	64QAM	25	25	21.08	21.08	21.10	20.3
10	64QAM	50	0	21.13	21.08	21.09	
10	256QAM	1	0	19.25	19.20	19.17	
10	256QAM	1	25	19.15	19.13	19.05	20.3
10	256QAM	1	49	19.17	19.18	19.07	
10	256QAM	25	0	19.09	19.07	19.02	
10	256QAM	25	12	18.95	19.00	18.97	20.3
10	256QAM	25	25	18.83	18.88	18.78	
10	256QAM	50	0	19.06	19.05	18.93	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.03	24.03	23.91	
5	QPSK	1	12	23.97	23.97	24.07	25.3
5	QPSK	1	24	23.87	23.88	23.98	
5	QPSK	12	0	23.06	23.08	23.02	
5	QPSK	12	7	22.97	22.97	23.07	24.3
5	QPSK	12	13	23.04	23.03	22.94	
5	QPSK	25	0	22.93	22.93	23.07	
5	16QAM	1	0	23.42	23.15	23.29	24.3
5	16QAM	1	12	23.13	23.11	23.24	
5	16QAM	1	24	23.02	23.24	23.02	
5	16QAM	12	0	21.95	22.12	22.04	23.3
5	16QAM	12	7	22.11	22.09	21.95	
5	16QAM	12	13	22.04	22.01	21.91	
5	16QAM	25	0	22.01	21.89	22.02	23.3
5	64QAM	1	0	22.14	22.18	22.12	
5	64QAM	1	12	22.09	22.13	22.23	
5	64QAM	1	24	22.06	21.95	22.09	22.3
5	64QAM	12	0	21.01	21.10	21.09	
5	64QAM	12	7	21.12	21.12	21.08	
5	64QAM	12	13	20.95	21.02	20.97	20.3
5	64QAM	25	0	20.98	20.95	20.89	
5	256QAM	1	0	19.05	19.18	19.03	
5	256QAM	1	12	19.01	18.95	18.89	20.3
5	256QAM	1	24	19.14	19.17	18.92	
5	256QAM	12	0	19.00	18.90	18.83	
5	256QAM	12	7	18.85	18.81	18.93	20.3
5	256QAM	12	13	18.80	18.72	18.58	
5	256QAM	25	0	19.03	18.99	18.80	



<LTE Band 17_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.97	23.93	23.86	25.3
10	QPSK	1	25	23.92	23.79	23.86	
10	QPSK	1	49	23.79	23.76	23.73	
10	QPSK	25	0	22.96	22.94	22.91	24.3
10	QPSK	25	12	22.90	22.91	22.88	
10	QPSK	25	25	22.87	22.86	22.82	
10	QPSK	50	0	22.93	22.91	22.88	24.3
10	16QAM	1	0	23.20	23.12	23.11	
10	16QAM	1	25	23.04	22.94	22.94	
10	16QAM	1	49	23.03	22.90	23.00	23.3
10	16QAM	25	0	21.95	21.94	21.93	
10	16QAM	25	12	21.91	21.89	21.91	
10	16QAM	25	25	21.88	21.84	21.85	23.3
10	16QAM	50	0	21.88	21.88	21.92	
10	64QAM	1	0	22.25	22.20	22.20	
10	64QAM	1	25	21.99	22.09	22.09	22.3
10	64QAM	1	49	21.98	21.94	21.90	
10	64QAM	25	0	21.00	21.00	20.97	
10	64QAM	25	12	20.91	20.88	20.92	20.3
10	64QAM	25	25	20.87	20.83	20.85	
10	64QAM	50	0	20.88	20.89	20.87	
10	256QAM	1	0	19.17	19.16	19.12	20.3
10	256QAM	1	25	18.99	19.05	18.93	
10	256QAM	1	49	18.95	19.04	18.92	
10	256QAM	25	0	18.85	18.92	18.78	20.3
10	256QAM	25	12	18.85	18.90	18.80	
10	256QAM	25	25	18.84	18.87	18.83	
10	256QAM	50	0	18.79	18.79	18.65	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.78	23.82	23.75	25.3
5	QPSK	1	12	23.89	23.74	23.86	
5	QPSK	1	24	23.74	23.56	23.62	
5	QPSK	12	0	22.85	22.84	22.71	24.3
5	QPSK	12	7	22.72	22.90	22.75	
5	QPSK	12	13	22.84	22.78	22.78	
5	QPSK	25	0	22.93	22.88	22.77	24.3
5	16QAM	1	0	23.03	23.01	23.04	
5	16QAM	1	12	23.04	22.89	22.89	
5	16QAM	1	24	22.83	22.75	22.94	23.3
5	16QAM	12	0	21.82	21.81	21.84	
5	16QAM	12	7	21.77	21.80	21.84	
5	16QAM	12	13	21.80	21.65	21.81	23.3
5	16QAM	25	0	21.73	21.82	21.77	
5	64QAM	1	0	22.21	22.14	22.12	
5	64QAM	1	12	21.98	22.08	22.04	22.3
5	64QAM	1	24	21.78	21.81	21.78	
5	64QAM	12	0	20.99	20.91	20.91	
5	64QAM	12	7	20.75	20.74	20.92	20.3
5	64QAM	12	13	20.69	20.66	20.69	
5	64QAM	25	0	20.85	20.71	20.85	
5	256QAM	1	0	19.12	19.02	19.01	20.3
5	256QAM	1	12	18.80	18.91	18.74	
5	256QAM	1	24	18.89	18.89	18.83	
5	256QAM	12	0	18.75	18.74	18.77	20.3
5	256QAM	12	7	18.83	18.79	18.61	
5	256QAM	12	13	18.83	18.69	18.80	
5	256QAM	25	0	18.72	18.62	18.54	



<LTE Band 17_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.12	24.11	24.10	25.3
10	QPSK	1	25	24.11	24.08	24.07	
10	QPSK	1	49	24.05	24.00	23.98	
10	QPSK	25	0	23.15	23.09	23.08	24.3
10	QPSK	25	12	23.09	23.11	23.10	
10	QPSK	25	25	23.04	23.05	23.10	
10	QPSK	50	0	23.12	23.11	23.15	24.3
10	16QAM	1	0	23.45	23.28	23.33	
10	16QAM	1	25	23.21	23.15	23.24	
10	16QAM	1	49	23.19	23.25	23.06	23.3
10	16QAM	25	0	22.13	22.14	22.11	
10	16QAM	25	12	22.11	22.11	22.10	
10	16QAM	25	25	22.05	22.02	22.04	23.3
10	16QAM	50	0	22.12	22.09	22.09	
10	64QAM	1	0	22.32	22.28	22.26	
10	64QAM	1	25	22.26	22.22	22.26	22.3
10	64QAM	1	49	22.15	22.07	22.11	
10	64QAM	25	0	21.16	21.16	21.16	
10	64QAM	25	12	21.15	21.12	21.15	20.3
10	64QAM	25	25	21.08	21.08	21.10	
10	64QAM	50	0	21.13	21.08	21.09	
10	256QAM	1	0	19.25	19.20	19.17	20.3
10	256QAM	1	25	19.15	19.13	19.05	
10	256QAM	1	49	19.17	19.18	19.07	
10	256QAM	25	0	19.09	19.07	19.02	20.3
10	256QAM	25	12	18.95	19.00	18.97	
10	256QAM	25	25	18.83	18.88	18.78	
10	256QAM	50	0	19.06	19.05	18.93	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.03	24.03	23.91	25.3
5	QPSK	1	12	23.97	23.97	24.07	
5	QPSK	1	24	23.87	23.88	23.98	
5	QPSK	12	0	23.06	23.08	23.02	24.3
5	QPSK	12	7	22.97	22.97	23.07	
5	QPSK	12	13	23.04	23.03	22.94	
5	QPSK	25	0	22.93	22.93	23.07	24.3
5	16QAM	1	0	23.42	23.15	23.29	
5	16QAM	1	12	23.13	23.11	23.24	
5	16QAM	1	24	23.02	23.24	23.02	23.3
5	16QAM	12	0	21.95	22.12	22.04	
5	16QAM	12	7	22.11	22.09	21.95	
5	16QAM	12	13	22.04	22.01	21.91	23.3
5	16QAM	25	0	22.01	21.89	22.02	
5	64QAM	1	0	22.14	22.18	22.12	
5	64QAM	1	12	22.09	22.13	22.23	22.3
5	64QAM	1	24	22.06	21.95	22.09	
5	64QAM	12	0	21.01	21.10	21.09	
5	64QAM	12	7	21.12	21.12	21.08	20.3
5	64QAM	12	13	20.95	21.02	20.97	
5	64QAM	25	0	20.98	20.95	20.89	
5	256QAM	1	0	19.05	19.18	19.03	20.3
5	256QAM	1	12	19.01	18.95	18.89	
5	256QAM	1	24	19.14	19.17	18.92	
5	256QAM	12	0	19.00	18.90	18.83	20.3
5	256QAM	12	7	18.85	18.81	18.93	
5	256QAM	12	13	18.80	18.72	18.58	
5	256QAM	25	0	19.03	18.99	18.80	

**<LTE Band 17_Ant 1_Index 6>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.97	23.93	23.86	25.3
10	QPSK	1	25	23.92	23.79	23.86	
10	QPSK	1	49	23.79	23.76	23.73	
10	QPSK	25	0	22.96	22.94	22.91	24.3
10	QPSK	25	12	22.90	22.91	22.88	
10	QPSK	25	25	22.87	22.86	22.82	
10	QPSK	50	0	22.93	22.91	22.88	24.3
10	16QAM	1	0	23.20	23.12	23.11	
10	16QAM	1	25	23.04	22.94	22.94	
10	16QAM	1	49	23.03	22.90	23.00	23.3
10	16QAM	25	0	21.95	21.94	21.93	
10	16QAM	25	12	21.91	21.89	21.91	
10	16QAM	25	25	21.88	21.84	21.85	23.3
10	16QAM	50	0	21.88	21.88	21.92	
10	64QAM	1	0	22.25	22.20	22.20	
10	64QAM	1	25	21.99	22.09	22.09	22.3
10	64QAM	1	49	21.98	21.94	21.90	
10	64QAM	25	0	21.00	21.00	20.97	
10	64QAM	25	12	20.91	20.88	20.92	20.3
10	64QAM	25	25	20.87	20.83	20.85	
10	64QAM	50	0	20.88	20.89	20.87	
10	256QAM	1	0	19.17	19.16	19.12	20.3
10	256QAM	1	25	18.99	19.05	18.93	
10	256QAM	1	49	18.95	19.04	18.92	
10	256QAM	25	0	18.85	18.92	18.78	20.3
10	256QAM	25	12	18.85	18.90	18.80	
10	256QAM	25	25	18.84	18.87	18.83	
10	256QAM	50	0	18.79	18.79	18.65	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.78	23.82	23.75	25.3
5	QPSK	1	12	23.89	23.74	23.86	
5	QPSK	1	24	23.74	23.56	23.62	
5	QPSK	12	0	22.85	22.84	22.71	24.3
5	QPSK	12	7	22.72	22.90	22.75	
5	QPSK	12	13	22.84	22.78	22.78	
5	QPSK	25	0	22.93	22.88	22.77	24.3
5	16QAM	1	0	23.03	23.01	23.04	
5	16QAM	1	12	23.04	22.89	22.89	
5	16QAM	1	24	22.83	22.75	22.94	23.3
5	16QAM	12	0	21.82	21.81	21.84	
5	16QAM	12	7	21.77	21.80	21.84	
5	16QAM	12	13	21.80	21.65	21.81	23.3
5	16QAM	25	0	21.73	21.82	21.77	
5	64QAM	1	0	22.21	22.14	22.12	
5	64QAM	1	12	21.98	22.08	22.04	22.3
5	64QAM	1	24	21.78	21.81	21.78	
5	64QAM	12	0	20.99	20.91	20.91	
5	64QAM	12	7	20.75	20.74	20.92	20.3
5	64QAM	12	13	20.69	20.66	20.69	
5	64QAM	25	0	20.85	20.71	20.85	
5	256QAM	1	0	19.12	19.02	19.01	20.3
5	256QAM	1	12	18.80	18.91	18.74	
5	256QAM	1	24	18.89	18.89	18.83	
5	256QAM	12	0	18.75	18.74	18.77	20.3
5	256QAM	12	7	18.83	18.79	18.61	
5	256QAM	12	13	18.83	18.69	18.80	
5	256QAM	25	0	18.72	18.62	18.54	



<LTE Band 17_Ant 0_Index 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				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.12	24.11	24.10	25.3
10	QPSK	1	25	24.11	24.08	24.07	
10	QPSK	1	49	24.05	24.00	23.98	
10	QPSK	25	0	23.15	23.09	23.08	24.3
10	QPSK	25	12	23.09	23.11	23.10	
10	QPSK	25	25	23.04	23.05	23.10	
10	QPSK	50	0	23.12	23.11	23.15	24.3
10	16QAM	1	0	23.45	23.28	23.33	
10	16QAM	1	25	23.21	23.15	23.24	
10	16QAM	1	49	23.19	23.25	23.06	23.3
10	16QAM	25	0	22.13	22.14	22.11	
10	16QAM	25	12	22.11	22.11	22.10	
10	16QAM	25	25	22.05	22.02	22.04	23.3
10	16QAM	50	0	22.12	22.09	22.09	
10	64QAM	1	0	22.32	22.28	22.26	
10	64QAM	1	25	22.26	22.22	22.26	22.3
10	64QAM	1	49	22.15	22.07	22.11	
10	64QAM	25	0	21.16	21.16	21.16	
10	64QAM	25	12	21.15	21.12	21.15	20.3
10	64QAM	25	25	21.08	21.08	21.10	
10	64QAM	50	0	21.13	21.08	21.09	
10	256QAM	1	0	19.25	19.20	19.17	20.3
10	256QAM	1	25	19.15	19.13	19.05	
10	256QAM	1	49	19.17	19.18	19.07	
10	256QAM	25	0	19.09	19.07	19.02	20.3
10	256QAM	25	12	18.95	19.00	18.97	
10	256QAM	25	25	18.83	18.88	18.78	
10	256QAM	50	0	19.06	19.05	18.93	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.03	24.03	23.91	25.3
5	QPSK	1	12	23.97	23.97	24.07	
5	QPSK	1	24	23.87	23.88	23.98	
5	QPSK	12	0	23.06	23.08	23.02	24.3
5	QPSK	12	7	22.97	22.97	23.07	
5	QPSK	12	13	23.04	23.03	22.94	
5	QPSK	25	0	22.93	22.93	23.07	24.3
5	16QAM	1	0	23.42	23.15	23.29	
5	16QAM	1	12	23.13	23.11	23.24	
5	16QAM	1	24	23.02	23.24	23.02	23.3
5	16QAM	12	0	21.95	22.12	22.04	
5	16QAM	12	7	22.11	22.09	21.95	
5	16QAM	12	13	22.04	22.01	21.91	23.3
5	16QAM	25	0	22.01	21.89	22.02	
5	64QAM	1	0	22.14	22.18	22.12	
5	64QAM	1	12	22.09	22.13	22.23	22.3
5	64QAM	1	24	22.06	21.95	22.09	
5	64QAM	12	0	21.01	21.10	21.09	
5	64QAM	12	7	21.12	21.12	21.08	20.3
5	64QAM	12	13	20.95	21.02	20.97	
5	64QAM	25	0	20.98	20.95	20.89	
5	256QAM	1	0	19.05	19.18	19.03	20.3
5	256QAM	1	12	19.01	18.95	18.89	
5	256QAM	1	24	19.14	19.17	18.92	
5	256QAM	12	0	19.00	18.90	18.83	20.3
5	256QAM	12	7	18.85	18.81	18.93	
5	256QAM	12	13	18.80	18.72	18.58	
5	256QAM	25	0	19.03	18.99	18.80	



<LTE Band 17_Ant 1_Index 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				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.97	23.93	23.86	25.3
10	QPSK	1	25	23.92	23.79	23.86	
10	QPSK	1	49	23.79	23.76	23.73	
10	QPSK	25	0	22.96	22.94	22.91	24.3
10	QPSK	25	12	22.90	22.91	22.88	
10	QPSK	25	25	22.87	22.86	22.82	
10	QPSK	50	0	22.93	22.91	22.88	24.3
10	16QAM	1	0	23.20	23.12	23.11	
10	16QAM	1	25	23.04	22.94	22.94	
10	16QAM	1	49	23.03	22.90	23.00	23.3
10	16QAM	25	0	21.95	21.94	21.93	
10	16QAM	25	12	21.91	21.89	21.91	
10	16QAM	25	25	21.88	21.84	21.85	23.3
10	16QAM	50	0	21.88	21.88	21.92	
10	64QAM	1	0	22.25	22.20	22.20	
10	64QAM	1	25	21.99	22.09	22.09	22.3
10	64QAM	1	49	21.98	21.94	21.90	
10	64QAM	25	0	21.00	21.00	20.97	
10	64QAM	25	12	20.91	20.88	20.92	20.3
10	64QAM	25	25	20.87	20.83	20.85	
10	64QAM	50	0	20.88	20.89	20.87	
10	256QAM	1	0	19.17	19.16	19.12	20.3
10	256QAM	1	25	18.99	19.05	18.93	
10	256QAM	1	49	18.95	19.04	18.92	
10	256QAM	25	0	18.85	18.92	18.78	20.3
10	256QAM	25	12	18.85	18.90	18.80	
10	256QAM	25	25	18.84	18.87	18.83	
10	256QAM	50	0	18.79	18.79	18.65	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.78	23.82	23.75	25.3
5	QPSK	1	12	23.89	23.74	23.86	
5	QPSK	1	24	23.74	23.56	23.62	
5	QPSK	12	0	22.85	22.84	22.71	24.3
5	QPSK	12	7	22.72	22.90	22.75	
5	QPSK	12	13	22.84	22.78	22.78	
5	QPSK	25	0	22.93	22.88	22.77	24.3
5	16QAM	1	0	23.03	23.01	23.04	
5	16QAM	1	12	23.04	22.89	22.89	
5	16QAM	1	24	22.83	22.75	22.94	23.3
5	16QAM	12	0	21.82	21.81	21.84	
5	16QAM	12	7	21.77	21.80	21.84	
5	16QAM	12	13	21.80	21.65	21.81	23.3
5	16QAM	25	0	21.73	21.82	21.77	
5	64QAM	1	0	22.21	22.14	22.12	
5	64QAM	1	12	21.98	22.08	22.04	22.3
5	64QAM	1	24	21.78	21.81	21.78	
5	64QAM	12	0	20.99	20.91	20.91	
5	64QAM	12	7	20.75	20.74	20.92	20.3
5	64QAM	12	13	20.69	20.66	20.69	
5	64QAM	25	0	20.85	20.71	20.85	
5	256QAM	1	0	19.12	19.02	19.01	20.3
5	256QAM	1	12	18.80	18.91	18.74	
5	256QAM	1	24	18.89	18.89	18.83	
5	256QAM	12	0	18.75	18.74	18.77	20.3
5	256QAM	12	7	18.83	18.79	18.61	
5	256QAM	12	13	18.83	18.69	18.80	
5	256QAM	25	0	18.72	18.62	18.54	



<LTE Band 17_Ant 0_Index 9>

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	24.12	24.11	24.10	25.3
10	QPSK	1	25	24.11	24.08	24.07	
10	QPSK	1	49	24.05	24.00	23.98	
10	QPSK	25	0	23.15	23.09	23.08	24.3
10	QPSK	25	12	23.09	23.11	23.10	
10	QPSK	25	25	23.04	23.05	23.10	
10	QPSK	50	0	23.12	23.11	23.15	24.3
10	16QAM	1	0	23.45	23.28	23.33	
10	16QAM	1	25	23.21	23.15	23.24	
10	16QAM	1	49	23.19	23.25	23.06	23.3
10	16QAM	25	0	22.13	22.14	22.11	
10	16QAM	25	12	22.11	22.11	22.10	
10	16QAM	25	25	22.05	22.02	22.04	23.3
10	16QAM	50	0	22.12	22.09	22.09	
10	64QAM	1	0	22.32	22.28	22.26	
10	64QAM	1	25	22.26	22.22	22.26	22.3
10	64QAM	1	49	22.15	22.07	22.11	
10	64QAM	25	0	21.16	21.16	21.16	
10	64QAM	25	12	21.15	21.12	21.15	20.3
10	64QAM	25	25	21.08	21.08	21.10	
10	64QAM	50	0	21.13	21.08	21.09	
10	256QAM	1	0	19.25	19.20	19.17	20.3
10	256QAM	1	25	19.15	19.13	19.05	
10	256QAM	1	49	19.17	19.18	19.07	
10	256QAM	25	0	19.09	19.07	19.02	20.3
10	256QAM	25	12	18.95	19.00	18.97	
10	256QAM	25	25	18.83	18.88	18.78	
10	256QAM	50	0	19.06	19.05	18.93	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.03	24.03	23.91	25.3
5	QPSK	1	12	23.97	23.97	24.07	
5	QPSK	1	24	23.87	23.88	23.98	
5	QPSK	12	0	23.06	23.08	23.02	24.3
5	QPSK	12	7	22.97	22.97	23.07	
5	QPSK	12	13	23.04	23.03	22.94	
5	QPSK	25	0	22.93	22.93	23.07	24.3
5	16QAM	1	0	23.42	23.15	23.29	
5	16QAM	1	12	23.13	23.11	23.24	
5	16QAM	1	24	23.02	23.24	23.02	23.3
5	16QAM	12	0	21.95	22.12	22.04	
5	16QAM	12	7	22.11	22.09	21.95	
5	16QAM	12	13	22.04	22.01	21.91	23.3
5	16QAM	25	0	22.01	21.89	22.02	
5	64QAM	1	0	22.14	22.18	22.12	
5	64QAM	1	12	22.09	22.13	22.23	22.3
5	64QAM	1	24	22.06	21.95	22.09	
5	64QAM	12	0	21.01	21.10	21.09	
5	64QAM	12	7	21.12	21.12	21.08	20.3
5	64QAM	12	13	20.95	21.02	20.97	
5	64QAM	25	0	20.98	20.95	20.89	
5	256QAM	1	0	19.05	19.18	19.03	20.3
5	256QAM	1	12	19.01	18.95	18.89	
5	256QAM	1	24	19.14	19.17	18.92	
5	256QAM	12	0	19.00	18.90	18.83	20.3
5	256QAM	12	7	18.85	18.81	18.93	
5	256QAM	12	13	18.80	18.72	18.58	
5	256QAM	25	0	19.03	18.99	18.80	



<LTE Band 17_Ant 1_Index 9>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.97	23.93	23.86	25.3
10	QPSK	1	25	23.92	23.79	23.86	
10	QPSK	1	49	23.79	23.76	23.73	
10	QPSK	25	0	22.96	22.94	22.91	24.3
10	QPSK	25	12	22.90	22.91	22.88	
10	QPSK	25	25	22.87	22.86	22.82	
10	QPSK	50	0	22.93	22.91	22.88	24.3
10	16QAM	1	0	23.20	23.12	23.11	
10	16QAM	1	25	23.04	22.94	22.94	
10	16QAM	1	49	23.03	22.90	23.00	23.3
10	16QAM	25	0	21.95	21.94	21.93	
10	16QAM	25	12	21.91	21.89	21.91	
10	16QAM	25	25	21.88	21.84	21.85	23.3
10	16QAM	50	0	21.88	21.88	21.92	
10	64QAM	1	0	22.25	22.20	22.20	
10	64QAM	1	25	21.99	22.09	22.09	22.3
10	64QAM	1	49	21.98	21.94	21.90	
10	64QAM	25	0	21.00	21.00	20.97	
10	64QAM	25	12	20.91	20.88	20.92	20.3
10	64QAM	25	25	20.87	20.83	20.85	
10	64QAM	50	0	20.88	20.89	20.87	
10	256QAM	1	0	19.17	19.16	19.12	20.3
10	256QAM	1	25	18.99	19.05	18.93	
10	256QAM	1	49	18.95	19.04	18.92	
10	256QAM	25	0	18.85	18.92	18.78	20.3
10	256QAM	25	12	18.85	18.90	18.80	
10	256QAM	25	25	18.84	18.87	18.83	
10	256QAM	50	0	18.79	18.79	18.65	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.78	23.82	23.75	25.3
5	QPSK	1	12	23.89	23.74	23.86	
5	QPSK	1	24	23.74	23.56	23.62	
5	QPSK	12	0	22.85	22.84	22.71	24.3
5	QPSK	12	7	22.72	22.90	22.75	
5	QPSK	12	13	22.84	22.78	22.78	
5	QPSK	25	0	22.93	22.88	22.77	24.3
5	16QAM	1	0	23.03	23.01	23.04	
5	16QAM	1	12	23.04	22.89	22.89	
5	16QAM	1	24	22.83	22.75	22.94	23.3
5	16QAM	12	0	21.82	21.81	21.84	
5	16QAM	12	7	21.77	21.80	21.84	
5	16QAM	12	13	21.80	21.65	21.81	23.3
5	16QAM	25	0	21.73	21.82	21.77	
5	64QAM	1	0	22.21	22.14	22.12	
5	64QAM	1	12	21.98	22.08	22.04	22.3
5	64QAM	1	24	21.78	21.81	21.78	
5	64QAM	12	0	20.99	20.91	20.91	
5	64QAM	12	7	20.75	20.74	20.92	20.3
5	64QAM	12	13	20.69	20.66	20.69	
5	64QAM	25	0	20.85	20.71	20.85	
5	256QAM	1	0	19.12	19.02	19.01	20.3
5	256QAM	1	12	18.80	18.91	18.74	
5	256QAM	1	24	18.89	18.89	18.83	
5	256QAM	12	0	18.75	18.74	18.77	20.3
5	256QAM	12	7	18.83	18.79	18.61	
5	256QAM	12	13	18.83	18.69	18.80	
5	256QAM	25	0	18.72	18.62	18.54	



<LTE Band 17_Ant 0_Index 10>

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	24.12	24.11	24.10	25.3
10	QPSK	1	25	24.11	24.08	24.07	
10	QPSK	1	49	24.05	24.00	23.98	
10	QPSK	25	0	23.15	23.09	23.08	24.3
10	QPSK	25	12	23.09	23.11	23.10	
10	QPSK	25	25	23.04	23.05	23.10	
10	QPSK	50	0	23.12	23.11	23.15	24.3
10	16QAM	1	0	23.45	23.28	23.33	
10	16QAM	1	25	23.21	23.15	23.24	
10	16QAM	1	49	23.19	23.25	23.06	23.3
10	16QAM	25	0	22.13	22.14	22.11	
10	16QAM	25	12	22.11	22.11	22.10	
10	16QAM	25	25	22.05	22.02	22.04	23.3
10	16QAM	50	0	22.12	22.09	22.09	
10	64QAM	1	0	22.32	22.28	22.26	
10	64QAM	1	25	22.26	22.22	22.26	22.3
10	64QAM	1	49	22.15	22.07	22.11	
10	64QAM	25	0	21.16	21.16	21.16	
10	64QAM	25	12	21.15	21.12	21.15	20.3
10	64QAM	25	25	21.08	21.08	21.10	
10	64QAM	50	0	21.13	21.08	21.09	
10	256QAM	1	0	19.25	19.20	19.17	20.3
10	256QAM	1	25	19.15	19.13	19.05	
10	256QAM	1	49	19.17	19.18	19.07	
10	256QAM	25	0	19.09	19.07	19.02	20.3
10	256QAM	25	12	18.95	19.00	18.97	
10	256QAM	25	25	18.83	18.88	18.78	
10	256QAM	50	0	19.06	19.05	18.93	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.03	24.03	23.91	25.3
5	QPSK	1	12	23.97	23.97	24.07	
5	QPSK	1	24	23.87	23.88	23.98	
5	QPSK	12	0	23.06	23.08	23.02	24.3
5	QPSK	12	7	22.97	22.97	23.07	
5	QPSK	12	13	23.04	23.03	22.94	
5	QPSK	25	0	22.93	22.93	23.07	24.3
5	16QAM	1	0	23.42	23.15	23.29	
5	16QAM	1	12	23.13	23.11	23.24	
5	16QAM	1	24	23.02	23.24	23.02	23.3
5	16QAM	12	0	21.95	22.12	22.04	
5	16QAM	12	7	22.11	22.09	21.95	
5	16QAM	12	13	22.04	22.01	21.91	23.3
5	16QAM	25	0	22.01	21.89	22.02	
5	64QAM	1	0	22.14	22.18	22.12	
5	64QAM	1	12	22.09	22.13	22.23	22.3
5	64QAM	1	24	22.06	21.95	22.09	
5	64QAM	12	0	21.01	21.10	21.09	
5	64QAM	12	7	21.12	21.12	21.08	20.3
5	64QAM	12	13	20.95	21.02	20.97	
5	64QAM	25	0	20.98	20.95	20.89	
5	256QAM	1	0	19.05	19.18	19.03	20.3
5	256QAM	1	12	19.01	18.95	18.89	
5	256QAM	1	24	19.14	19.17	18.92	
5	256QAM	12	0	19.00	18.90	18.83	20.3
5	256QAM	12	7	18.85	18.81	18.93	
5	256QAM	12	13	18.80	18.72	18.58	
5	256QAM	25	0	19.03	18.99	18.80	



<LTE Band 17_Ant 1_Index 10>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.97	23.93	23.86	25.3
10	QPSK	1	25	23.92	23.79	23.86	
10	QPSK	1	49	23.79	23.76	23.73	
10	QPSK	25	0	22.96	22.94	22.91	24.3
10	QPSK	25	12	22.90	22.91	22.88	
10	QPSK	25	25	22.87	22.86	22.82	
10	QPSK	50	0	22.93	22.91	22.88	24.3
10	16QAM	1	0	23.20	23.12	23.11	
10	16QAM	1	25	23.04	22.94	22.94	
10	16QAM	1	49	23.03	22.90	23.00	23.3
10	16QAM	25	0	21.95	21.94	21.93	
10	16QAM	25	12	21.91	21.89	21.91	
10	16QAM	25	25	21.88	21.84	21.85	23.3
10	16QAM	50	0	21.88	21.88	21.92	
10	64QAM	1	0	22.25	22.20	22.20	
10	64QAM	1	25	21.99	22.09	22.09	23.3
10	64QAM	1	49	21.98	21.94	21.90	
10	64QAM	25	0	21.00	21.00	20.97	
10	64QAM	25	12	20.91	20.88	20.92	22.3
10	64QAM	25	25	20.87	20.83	20.85	
10	64QAM	50	0	20.88	20.89	20.87	
10	256QAM	1	0	19.17	19.16	19.12	20.3
10	256QAM	1	25	18.99	19.05	18.93	
10	256QAM	1	49	18.95	19.04	18.92	
10	256QAM	25	0	18.85	18.92	18.78	20.3
10	256QAM	25	12	18.85	18.90	18.80	
10	256QAM	25	25	18.84	18.87	18.83	
10	256QAM	50	0	18.79	18.79	18.65	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.78	23.82	23.75	25.3
5	QPSK	1	12	23.89	23.74	23.86	
5	QPSK	1	24	23.74	23.56	23.62	
5	QPSK	12	0	22.85	22.84	22.71	24.3
5	QPSK	12	7	22.72	22.90	22.75	
5	QPSK	12	13	22.84	22.78	22.78	
5	QPSK	25	0	22.93	22.88	22.77	24.3
5	16QAM	1	0	23.03	23.01	23.04	
5	16QAM	1	12	23.04	22.89	22.89	
5	16QAM	1	24	22.83	22.75	22.94	23.3
5	16QAM	12	0	21.82	21.81	21.84	
5	16QAM	12	7	21.77	21.80	21.84	
5	16QAM	12	13	21.80	21.65	21.81	23.3
5	16QAM	25	0	21.73	21.82	21.77	
5	64QAM	1	0	22.21	22.14	22.12	
5	64QAM	1	12	21.98	22.08	22.04	22.3
5	64QAM	1	24	21.78	21.81	21.78	
5	64QAM	12	0	20.99	20.91	20.91	
5	64QAM	12	7	20.75	20.74	20.92	20.3
5	64QAM	12	13	20.69	20.66	20.69	
5	64QAM	25	0	20.85	20.71	20.85	
5	256QAM	1	0	19.12	19.02	19.01	20.3
5	256QAM	1	12	18.80	18.91	18.74	
5	256QAM	1	24	18.89	18.89	18.83	
5	256QAM	12	0	18.75	18.74	18.77	20.3
5	256QAM	12	7	18.83	18.79	18.61	
5	256QAM	12	13	18.83	18.69	18.80	
5	256QAM	25	0	18.72	18.62	18.54	



<LTE Band 17_Ant 0_Index 11>

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	24.12	24.11	24.10	25.3
10	QPSK	1	25	24.11	24.08	24.07	
10	QPSK	1	49	24.05	24.00	23.98	
10	QPSK	25	0	23.15	23.09	23.08	24.3
10	QPSK	25	12	23.09	23.11	23.10	
10	QPSK	25	25	23.04	23.05	23.10	
10	QPSK	50	0	23.12	23.11	23.15	24.3
10	16QAM	1	0	23.45	23.28	23.33	
10	16QAM	1	25	23.21	23.15	23.24	
10	16QAM	1	49	23.19	23.25	23.06	23.3
10	16QAM	25	0	22.13	22.14	22.11	
10	16QAM	25	12	22.11	22.11	22.10	
10	16QAM	25	25	22.05	22.02	22.04	23.3
10	16QAM	50	0	22.12	22.09	22.09	
10	64QAM	1	0	22.32	22.28	22.26	
10	64QAM	1	25	22.26	22.22	22.26	22.3
10	64QAM	1	49	22.15	22.07	22.11	
10	64QAM	25	0	21.16	21.16	21.16	
10	64QAM	25	12	21.15	21.12	21.15	20.3
10	64QAM	25	25	21.08	21.08	21.10	
10	64QAM	50	0	21.13	21.08	21.09	
10	256QAM	1	0	19.25	19.20	19.17	20.3
10	256QAM	1	25	19.15	19.13	19.05	
10	256QAM	1	49	19.17	19.18	19.07	
10	256QAM	25	0	19.09	19.07	19.02	20.3
10	256QAM	25	12	18.95	19.00	18.97	
10	256QAM	25	25	18.83	18.88	18.78	
10	256QAM	50	0	19.06	19.05	18.93	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.03	24.03	23.91	25.3
5	QPSK	1	12	23.97	23.97	24.07	
5	QPSK	1	24	23.87	23.88	23.98	
5	QPSK	12	0	23.06	23.08	23.02	24.3
5	QPSK	12	7	22.97	22.97	23.07	
5	QPSK	12	13	23.04	23.03	22.94	
5	QPSK	25	0	22.93	22.93	23.07	24.3
5	16QAM	1	0	23.42	23.15	23.29	
5	16QAM	1	12	23.13	23.11	23.24	
5	16QAM	1	24	23.02	23.24	23.02	23.3
5	16QAM	12	0	21.95	22.12	22.04	
5	16QAM	12	7	22.11	22.09	21.95	
5	16QAM	12	13	22.04	22.01	21.91	23.3
5	16QAM	25	0	22.01	21.89	22.02	
5	64QAM	1	0	22.14	22.18	22.12	
5	64QAM	1	12	22.09	22.13	22.23	22.3
5	64QAM	1	24	22.06	21.95	22.09	
5	64QAM	12	0	21.01	21.10	21.09	
5	64QAM	12	7	21.12	21.12	21.08	20.3
5	64QAM	12	13	20.95	21.02	20.97	
5	64QAM	25	0	20.98	20.95	20.89	
5	256QAM	1	0	19.05	19.18	19.03	20.3
5	256QAM	1	12	19.01	18.95	18.89	
5	256QAM	1	24	19.14	19.17	18.92	
5	256QAM	12	0	19.00	18.90	18.83	20.3
5	256QAM	12	7	18.85	18.81	18.93	
5	256QAM	12	13	18.80	18.72	18.58	
5	256QAM	25	0	19.03	18.99	18.80	



<LTE Band 17_Ant 1_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.97	23.93	23.86	25.3
10	QPSK	1	25	23.92	23.79	23.86	
10	QPSK	1	49	23.79	23.76	23.73	
10	QPSK	25	0	22.96	22.94	22.91	24.3
10	QPSK	25	12	22.90	22.91	22.88	
10	QPSK	25	25	22.87	22.86	22.82	
10	QPSK	50	0	22.93	22.91	22.88	24.3
10	16QAM	1	0	23.20	23.12	23.11	
10	16QAM	1	25	23.04	22.94	22.94	
10	16QAM	1	49	23.03	22.90	23.00	23.3
10	16QAM	25	0	21.95	21.94	21.93	
10	16QAM	25	12	21.91	21.89	21.91	
10	16QAM	25	25	21.88	21.84	21.85	23.3
10	16QAM	50	0	21.88	21.88	21.92	
10	64QAM	1	0	22.25	22.20	22.20	
10	64QAM	1	25	21.99	22.09	22.09	22.3
10	64QAM	1	49	21.98	21.94	21.90	
10	64QAM	25	0	21.00	21.00	20.97	
10	64QAM	25	12	20.91	20.88	20.92	20.3
10	64QAM	25	25	20.87	20.83	20.85	
10	64QAM	50	0	20.88	20.89	20.87	
10	256QAM	1	0	19.17	19.16	19.12	20.3
10	256QAM	1	25	18.99	19.05	18.93	
10	256QAM	1	49	18.95	19.04	18.92	
10	256QAM	25	0	18.85	18.92	18.78	20.3
10	256QAM	25	12	18.85	18.90	18.80	
10	256QAM	25	25	18.84	18.87	18.83	
10	256QAM	50	0	18.79	18.79	18.65	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.78	23.82	23.75	25.3
5	QPSK	1	12	23.89	23.74	23.86	
5	QPSK	1	24	23.74	23.56	23.62	
5	QPSK	12	0	22.85	22.84	22.71	24.3
5	QPSK	12	7	22.72	22.90	22.75	
5	QPSK	12	13	22.84	22.78	22.78	
5	QPSK	25	0	22.93	22.88	22.77	24.3
5	16QAM	1	0	23.03	23.01	23.04	
5	16QAM	1	12	23.04	22.89	22.89	
5	16QAM	1	24	22.83	22.75	22.94	23.3
5	16QAM	12	0	21.82	21.81	21.84	
5	16QAM	12	7	21.77	21.80	21.84	
5	16QAM	12	13	21.80	21.65	21.81	23.3
5	16QAM	25	0	21.73	21.82	21.77	
5	64QAM	1	0	22.21	22.14	22.12	
5	64QAM	1	12	21.98	22.08	22.04	22.3
5	64QAM	1	24	21.78	21.81	21.78	
5	64QAM	12	0	20.99	20.91	20.91	
5	64QAM	12	7	20.75	20.74	20.92	20.3
5	64QAM	12	13	20.69	20.66	20.69	
5	64QAM	25	0	20.85	20.71	20.85	
5	256QAM	1	0	19.12	19.02	19.01	20.3
5	256QAM	1	12	18.80	18.91	18.74	
5	256QAM	1	24	18.89	18.89	18.83	
5	256QAM	12	0	18.75	18.74	18.77	20.3
5	256QAM	12	7	18.83	18.79	18.61	
5	256QAM	12	13	18.83	18.69	18.80	
5	256QAM	25	0	18.72	18.62	18.54	



<LTE Band 25_Ant 2_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.93	23.98	23.89	
20	QPSK	1	49	23.71	23.86	23.57	25
20	QPSK	1	99	23.79	23.86	23.76	
20	QPSK	50	0	22.83	22.89	22.74	
20	QPSK	50	24	22.80	22.86	22.72	24
20	QPSK	50	50	22.79	22.79	22.73	
20	QPSK	100	0	22.81	22.87	22.78	
20	16QAM	1	0	23.07	23.08	22.95	24
20	16QAM	1	49	23.10	23.08	23.01	
20	16QAM	1	99	23.02	23.16	22.95	
20	16QAM	50	0	21.85	21.89	21.77	23
20	16QAM	50	24	21.79	21.88	21.77	
20	16QAM	50	50	21.78	21.82	21.77	
20	16QAM	100	0	21.80	21.90	21.78	23
20	64QAM	1	0	22.17	22.15	21.96	
20	64QAM	1	49	21.91	22.00	22.20	
20	64QAM	1	99	22.05	22.01	21.90	22
20	64QAM	50	0	20.92	20.98	20.89	
20	64QAM	50	24	20.91	20.99	20.92	
20	64QAM	50	50	20.89	20.91	20.87	20
20	64QAM	100	0	20.85	20.96	20.86	
20	256QAM	1	0	19.08	19.14	18.96	
20	256QAM	1	49	18.73	18.88	18.68	20
20	256QAM	1	99	18.91	18.98	18.75	
20	256QAM	50	0	18.89	18.96	18.70	
20	256QAM	50	24	18.77	18.86	18.61	20
20	256QAM	50	50	18.76	18.90	18.62	
20	256QAM	100	0	18.86	18.92	18.68	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.92	23.85	23.84	
15	QPSK	1	37	23.58	23.82	23.37	25
15	QPSK	1	74	23.65	23.73	23.72	
15	QPSK	36	0	22.67	22.88	22.73	24
15	QPSK	36	20	22.74	22.71	22.60	
15	QPSK	36	39	22.76	22.76	22.68	
15	QPSK	75	0	22.69	22.71	22.68	24
15	16QAM	1	0	22.92	23.02	22.81	
15	16QAM	1	37	23.10	22.94	22.92	
15	16QAM	1	74	23.00	23.11	22.88	23
15	16QAM	36	0	21.65	21.89	21.76	
15	16QAM	36	20	21.67	21.81	21.65	
15	16QAM	36	39	21.75	21.67	21.74	23
15	16QAM	75	0	21.80	21.84	21.59	
15	64QAM	1	0	22.04	21.99	21.80	
15	64QAM	1	37	21.86	21.86	22.00	23
15	64QAM	1	74	21.85	21.85	21.89	
15	64QAM	36	0	20.83	20.89	20.73	22
15	64QAM	36	20	20.71	20.95	20.85	
15	64QAM	36	39	20.81	20.73	20.86	
15	64QAM	75	0	20.71	20.84	20.76	20
15	256QAM	1	0	18.88	18.95	18.92	
15	256QAM	1	37	18.58	18.70	18.66	
15	256QAM	1	74	18.84	18.88	18.58	20
15	256QAM	36	0	18.85	18.82	18.50	
15	256QAM	36	20	18.66	18.69	18.61	



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15	256QAM	36	39	18.72	18.76	18.49	Tune-up limit (dBm)
15	256QAM	75	0	18.82	18.72	18.67	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.94	23.75	25
10	QPSK	1	25	23.55	23.76	23.49	
10	QPSK	1	49	23.75	23.79	23.67	
10	QPSK	25	0	22.81	22.72	22.63	24
10	QPSK	25	12	22.76	22.72	22.69	
10	QPSK	25	25	22.64	22.73	22.73	
10	QPSK	50	0	22.64	22.82	22.66	
10	16QAM	1	0	22.96	22.93	22.84	24
10	16QAM	1	25	22.92	22.91	22.98	
10	16QAM	1	49	22.99	23.06	22.82	23
10	16QAM	25	0	21.77	21.88	21.75	
10	16QAM	25	12	21.64	21.84	21.59	
10	16QAM	25	25	21.63	21.67	21.66	
10	16QAM	50	0	21.73	21.82	21.74	23
10	64QAM	1	0	22.13	21.95	21.95	
10	64QAM	1	25	21.80	21.99	22.05	
10	64QAM	1	49	21.92	21.94	21.73	22
10	64QAM	25	0	20.88	20.78	20.81	
10	64QAM	25	12	20.79	20.94	20.78	
10	64QAM	25	25	20.77	20.71	20.84	
10	64QAM	50	0	20.83	20.92	20.82	20
10	256QAM	1	0	19.04	19.12	18.90	
10	256QAM	1	25	18.64	18.75	18.51	
10	256QAM	1	49	18.74	18.92	18.74	
10	256QAM	25	0	18.79	18.79	18.52	20
10	256QAM	25	12	18.70	18.85	18.44	
10	256QAM	25	25	18.64	18.71	18.60	
10	256QAM	50	0	18.86	18.90	18.48	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.90	23.96	23.72	25
5	QPSK	1	12	23.58	23.70	23.52	
5	QPSK	1	24	23.78	23.73	23.73	
5	QPSK	12	0	22.64	22.76	22.56	24
5	QPSK	12	7	22.63	22.81	22.66	
5	QPSK	12	13	22.77	22.69	22.63	
5	QPSK	25	0	22.66	22.80	22.77	
5	16QAM	1	0	22.90	23.06	22.86	24
5	16QAM	1	12	22.99	22.88	22.81	
5	16QAM	1	24	22.92	23.00	22.85	
5	16QAM	12	0	21.71	21.78	21.75	23
5	16QAM	12	7	21.71	21.87	21.58	
5	16QAM	12	13	21.60	21.63	21.70	
5	16QAM	25	0	21.60	21.75	21.63	
5	64QAM	1	0	22.07	22.09	21.83	23
5	64QAM	1	12	21.71	21.93	22.06	
5	64QAM	1	24	21.99	21.97	21.89	
5	64QAM	12	0	20.86	20.83	20.85	22
5	64QAM	12	7	20.82	20.87	20.77	
5	64QAM	12	13	20.71	20.81	20.67	
5	64QAM	25	0	20.83	20.81	20.71	
5	256QAM	1	0	19.04	18.96	18.96	20
5	256QAM	1	12	18.68	18.74	18.51	
5	256QAM	1	24	18.90	18.92	18.60	
5	256QAM	12	0	18.72	18.95	18.67	20
5	256QAM	12	7	18.57	18.71	18.52	
5	256QAM	12	13	18.67	18.80	18.61	
5	256QAM	25	0	18.77	18.89	18.59	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.80	23.88	23.76	25
3	QPSK	1	8	23.57	23.74	23.55	
3	QPSK	1	14	23.59	23.86	23.59	
3	QPSK	8	0	22.75	22.77	22.73	24
3	QPSK	8	4	22.68	22.76	22.65	
3	QPSK	8	7	22.70	22.67	22.61	
3	QPSK	15	0	22.61	22.79	22.59	
3	16QAM	1	0	22.98	23.06	22.78	24
3	16QAM	1	8	23.03	22.97	22.84	
3	16QAM	1	14	22.82	23.05	22.76	
3	16QAM	8	0	21.68	21.85	21.62	23
3	16QAM	8	4	21.78	21.82	21.60	
3	16QAM	8	7	21.69	21.81	21.60	
3	16QAM	15	0	21.62	21.85	21.64	
3	64QAM	1	0	22.00	22.09	21.88	23
3	64QAM	1	8	21.91	21.98	22.03	
3	64QAM	1	14	21.97	21.95	21.88	
3	64QAM	8	0	20.81	20.98	20.79	22
3	64QAM	8	4	20.91	20.82	20.77	
3	64QAM	8	7	20.79	20.86	20.71	
3	64QAM	15	0	20.84	20.91	20.73	
3	256QAM	1	0	18.90	18.96	18.76	20
3	256QAM	1	8	18.68	18.84	18.48	
3	256QAM	1	14	18.89	18.89	18.57	
3	256QAM	8	0	18.89	18.81	18.63	20
3	256QAM	8	4	18.69	18.86	18.57	
3	256QAM	8	7	18.74	18.78	18.46	
3	256QAM	15	0	18.75	18.80	18.49	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.81	23.82	23.69	25
1.4	QPSK	1	3	23.68	23.77	23.38	
1.4	QPSK	1	5	23.68	23.70	23.60	
1.4	QPSK	3	0	23.75	23.88	23.79	
1.4	QPSK	3	1	23.69	23.82	23.39	
1.4	QPSK	3	3	23.70	23.81	23.65	
1.4	QPSK	6	0	22.76	22.72	22.58	24
1.4	16QAM	1	0	22.77	22.78	22.62	24
1.4	16QAM	1	3	22.77	22.79	22.54	
1.4	16QAM	1	5	22.79	22.81	22.64	
1.4	16QAM	3	0	22.87	22.89	22.91	
1.4	16QAM	3	1	22.96	23.07	22.87	
1.4	16QAM	3	3	22.85	23.08	22.87	23
1.4	16QAM	6	0	21.75	21.80	21.63	
1.4	64QAM	1	0	21.74	21.75	21.58	
1.4	64QAM	1	3	21.70	21.65	21.64	
1.4	64QAM	1	5	21.76	21.73	21.68	
1.4	64QAM	3	0	22.06	21.99	21.93	23
1.4	64QAM	3	1	21.76	21.90	22.11	
1.4	64QAM	3	3	21.93	21.96	21.78	
1.4	64QAM	6	0	20.92	20.78	20.79	
1.4	256QAM	1	0	19.01	19.07	18.81	
1.4	256QAM	1	3	18.63	18.74	18.51	20
1.4	256QAM	1	5	18.75	18.81	18.68	
1.4	256QAM	3	0	18.86	18.89	18.51	
1.4	256QAM	3	1	18.69	18.71	18.42	
1.4	256QAM	3	3	18.74	18.77	18.54	
1.4	256QAM	6	0	18.75	18.92	18.55	20

**<LTE Band 25 Ant 1 Index 2>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	20.93	20.82	20.89	22.2
20	QPSK	1	49	20.71	20.81	20.20	
20	QPSK	1	99	20.78	20.66	20.42	
20	QPSK	50	0	20.60	20.56	20.36	22.2
20	QPSK	50	24	20.51	20.47	20.42	
20	QPSK	50	50	20.53	20.55	20.33	
20	QPSK	100	0	20.49	20.47	20.41	
20	16QAM	1	0	20.63	20.55	20.40	22.2
20	16QAM	1	49	20.32	20.46	20.43	
20	16QAM	1	99	20.54	20.50	20.31	
20	16QAM	50	0	20.47	20.59	20.23	22.2
20	16QAM	50	24	20.43	20.53	20.32	
20	16QAM	50	50	20.47	20.48	20.26	
20	16QAM	100	0	20.49	20.51	20.42	
20	64QAM	1	0	20.53	20.52	20.62	22.2
20	64QAM	1	49	20.76	20.77	20.29	
20	64QAM	1	99	20.86	20.65	20.31	
20	64QAM	50	0	20.66	20.64	20.64	22
20	64QAM	50	24	20.54	20.65	20.42	
20	64QAM	50	50	20.58	20.74	20.42	
20	64QAM	100	0	20.53	20.68	20.53	
20	256QAM	1	0	18.49	18.56	18.33	20
20	256QAM	1	49	18.37	18.50	18.55	
20	256QAM	1	99	18.32	18.55	18.38	
20	256QAM	50	0	18.13	18.36	18.22	20
20	256QAM	50	24	18.07	18.14	18.18	
20	256QAM	50	50	18.10	18.33	18.04	
20	256QAM	100	0	18.32	18.44	18.14	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	20.79	20.72	20.81	22.2
15	QPSK	1	37	20.57	20.59	19.97	
15	QPSK	1	74	20.71	20.45	20.33	
15	QPSK	36	0	20.50	20.40	20.31	22.2
15	QPSK	36	20	20.41	20.23	20.37	
15	QPSK	36	39	20.48	20.35	20.24	
15	QPSK	75	0	20.27	20.32	20.36	
15	16QAM	1	0	20.43	20.44	20.18	22.2
15	16QAM	1	37	20.27	20.39	20.23	
15	16QAM	1	74	20.32	20.32	20.14	
15	16QAM	36	0	20.34	20.53	20.11	22.2
15	16QAM	36	20	20.27	20.37	20.09	
15	16QAM	36	39	20.26	20.34	20.18	
15	16QAM	75	0	20.38	20.26	20.24	
15	64QAM	1	0	20.33	20.38	20.43	22.2
15	64QAM	1	37	20.64	20.56	20.12	
15	64QAM	1	74	20.63	20.43	20.24	
15	64QAM	36	0	20.45	20.59	20.39	22
15	64QAM	36	20	20.32	20.50	20.26	
15	64QAM	36	39	20.47	20.57	20.18	
15	64QAM	75	0	20.31	20.59	20.47	
15	256QAM	1	0	18.44	18.36	18.23	20
15	256QAM	1	37	18.30	18.43	18.33	
15	256QAM	1	74	18.18	18.42	18.26	
15	256QAM	36	0	17.99	18.11	18.06	20
15	256QAM	36	20	17.95	17.98	18.01	
15	256QAM	36	39	17.99	18.08	17.94	



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15	256QAM	75	0	18.23	18.35	18.06	Tune-up limit (dBm)
Channel				26090	26340	26640	
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	20.81	20.57	20.81	22.2
10	QPSK	1	25	20.57	20.56	20.07	
10	QPSK	1	49	20.65	20.43	20.17	
10	QPSK	25	0	20.54	20.51	20.14	22.2
10	QPSK	25	12	20.33	20.22	20.35	
10	QPSK	25	25	20.39	20.42	20.23	
10	QPSK	50	0	20.41	20.40	20.22	22.2
10	16QAM	1	0	20.46	20.35	20.35	
10	16QAM	1	25	20.26	20.35	20.29	
10	16QAM	1	49	20.29	20.32	20.06	22.2
10	16QAM	25	0	20.33	20.45	20.18	
10	16QAM	25	12	20.30	20.47	20.23	
10	16QAM	25	25	20.35	20.32	20.01	22.2
10	16QAM	50	0	20.30	20.33	20.27	
10	64QAM	1	0	20.42	20.42	20.52	
10	64QAM	1	25	20.70	20.60	20.20	22.2
10	64QAM	1	49	20.71	20.53	20.19	
10	64QAM	25	0	20.50	20.59	20.54	
10	64QAM	25	12	20.35	20.56	20.32	22
10	64QAM	25	25	20.45	20.59	20.30	
10	64QAM	50	0	20.28	20.49	20.30	
10	256QAM	1	0	18.41	18.36	18.11	20
10	256QAM	1	25	18.12	18.25	18.45	
10	256QAM	1	49	18.12	18.46	18.16	
10	256QAM	25	0	17.90	18.14	17.97	20
10	256QAM	25	12	17.84	18.01	17.98	
10	256QAM	25	25	17.90	18.22	17.97	
10	256QAM	50	0	18.12	18.28	18.00	Tune-up limit (dBm)
Channel				26065	26340	26665	
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	20.88	20.75	20.73	22.2
5	QPSK	1	12	20.62	20.75	19.98	
5	QPSK	1	24	20.59	20.41	20.33	
5	QPSK	12	0	20.36	20.33	20.12	22.2
5	QPSK	12	7	20.42	20.27	20.22	
5	QPSK	12	13	20.34	20.45	20.14	
5	QPSK	25	0	20.29	20.30	20.25	22.2
5	16QAM	1	0	20.57	20.30	20.22	
5	16QAM	1	12	20.12	20.37	20.26	
5	16QAM	1	24	20.38	20.35	20.17	22.2
5	16QAM	12	0	20.37	20.41	20.02	
5	16QAM	12	7	20.24	20.34	20.15	
5	16QAM	12	13	20.31	20.34	20.13	22.2
5	16QAM	25	0	20.32	20.45	20.21	
5	64QAM	1	0	20.39	20.35	20.46	
5	64QAM	1	12	20.61	20.62	20.20	22.2
5	64QAM	1	24	20.80	20.55	20.26	
5	64QAM	12	0	20.41	20.40	20.47	
5	64QAM	12	7	20.42	20.48	20.26	22
5	64QAM	12	13	20.49	20.68	20.19	
5	64QAM	25	0	20.35	20.53	20.42	
5	256QAM	1	0	18.44	18.49	18.08	20
5	256QAM	1	12	18.24	18.37	18.50	
5	256QAM	1	24	18.13	18.43	18.26	
5	256QAM	12	0	18.05	18.21	17.99	20
5	256QAM	12	7	17.95	18.09	18.05	
5	256QAM	12	13	17.95	18.22	17.93	
5	256QAM	25	0	18.15	18.37	17.93	Tune-up limit (dBm)
Channel				26055	26340	26675	
Frequency (MHz)				1851.5	1880	1913.5	



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3	QPSK	1	0	20.70	20.67	20.79	22.2
3	QPSK	1	8	20.65	20.59	20.05	
3	QPSK	1	14	20.61	20.58	20.33	
3	QPSK	8	0	20.44	20.34	20.18	22.2
3	QPSK	8	4	20.44	20.25	20.27	
3	QPSK	8	7	20.45	20.39	20.27	
3	QPSK	15	0	20.35	20.36	20.35	
3	16QAM	1	0	20.52	20.48	20.23	22.2
3	16QAM	1	8	20.12	20.28	20.37	
3	16QAM	1	14	20.47	20.35	20.14	
3	16QAM	8	0	20.39	20.44	20.01	22.2
3	16QAM	8	4	20.18	20.35	20.21	
3	16QAM	8	7	20.26	20.30	20.20	
3	16QAM	15	0	20.42	20.34	20.30	
3	64QAM	1	0	20.36	20.43	20.37	22.2
3	64QAM	1	8	20.58	20.59	20.10	
3	64QAM	1	14	20.79	20.54	20.23	
3	64QAM	8	0	20.47	20.53	20.51	22
3	64QAM	8	4	20.47	20.50	20.19	
3	64QAM	8	7	20.38	20.55	20.27	
3	64QAM	15	0	20.28	20.59	20.29	
3	256QAM	1	0	18.37	18.49	18.08	20
3	256QAM	1	8	18.24	18.38	18.33	
3	256QAM	1	14	18.27	18.46	18.13	
3	256QAM	8	0	18.01	18.20	18.01	20
3	256QAM	8	4	17.92	17.93	18.01	
3	256QAM	8	7	17.92	18.19	17.86	
3	256QAM	15	0	18.16	18.31	17.94	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	20.73	20.58	20.72	22.2
1.4	QPSK	1	3	20.60	20.61	20.03	
1.4	QPSK	1	5	20.60	20.48	20.17	
1.4	QPSK	3	0	20.49	20.46	20.15	
1.4	QPSK	3	1	20.27	20.39	20.34	
1.4	QPSK	3	3	20.48	20.31	20.25	
1.4	QPSK	6	0	20.28	20.32	20.27	22.2
1.4	16QAM	1	0	20.49	20.39	20.35	22.2
1.4	16QAM	1	3	20.09	20.29	20.29	
1.4	16QAM	1	5	20.37	20.36	20.09	
1.4	16QAM	3	0	20.34	20.50	20.01	
1.4	16QAM	3	1	20.25	20.29	20.17	
1.4	16QAM	3	3	20.26	20.32	20.18	
1.4	16QAM	6	0	20.39	20.43	20.19	22.2
1.4	64QAM	1	0	20.34	20.31	20.45	22.2
1.4	64QAM	1	3	20.68	20.63	20.08	
1.4	64QAM	1	5	20.76	20.48	20.14	
1.4	64QAM	3	0	20.43	20.57	20.51	
1.4	64QAM	3	1	20.48	20.40	20.34	
1.4	64QAM	3	3	20.34	20.53	20.28	
1.4	64QAM	6	0	20.35	20.51	20.42	22
1.4	256QAM	1	0	18.24	18.37	18.22	20
1.4	256QAM	1	3	18.23	18.35	18.41	
1.4	256QAM	1	5	18.09	18.46	18.28	
1.4	256QAM	3	0	18.03	18.13	17.98	
1.4	256QAM	3	1	17.91	18.02	17.95	
1.4	256QAM	3	3	17.96	18.09	17.89	
1.4	256QAM	6	0	18.22	18.23	18.04	20



<LTE Band 25_Ant 0_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	24.26	24.31	24.18	
20	QPSK	1	49	23.94	24.08	23.94	25
20	QPSK	1	99	24.17	24.22	24.02	
20	QPSK	50	0	23.11	23.19	23.15	
20	QPSK	50	24	23.14	23.27	23.10	24
20	QPSK	50	50	23.19	23.29	23.07	
20	QPSK	100	0	23.24	23.26	23.17	
20	16QAM	1	0	23.53	23.61	23.51	24
20	16QAM	1	49	23.44	23.51	23.40	
20	16QAM	1	99	23.56	23.46	23.38	
20	16QAM	50	0	22.22	22.25	22.17	23
20	16QAM	50	24	22.12	22.24	22.11	
20	16QAM	50	50	22.21	22.18	22.07	
20	16QAM	100	0	22.18	22.26	22.15	23
20	64QAM	1	0	22.43	22.55	22.46	
20	64QAM	1	49	22.34	22.48	22.28	
20	64QAM	1	99	22.48	22.42	22.25	22
20	64QAM	50	0	21.19	21.29	21.15	
20	64QAM	50	24	21.24	21.25	21.02	
20	64QAM	50	50	21.13	21.21	21.03	20
20	64QAM	100	0	21.14	21.21	21.09	
20	256QAM	1	0	19.44	19.54	19.48	
20	256QAM	1	49	18.97	19.15	19.01	20
20	256QAM	1	99	19.19	19.31	19.18	
20	256QAM	50	0	19.04	19.21	19.11	20
20	256QAM	50	24	19.16	19.29	19.23	
20	256QAM	50	50	19.14	19.27	19.14	
20	256QAM	100	0	19.08	19.24	19.15	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	24.23	24.13	24.09	
15	QPSK	1	37	23.76	23.92	23.83	25
15	QPSK	1	74	24.02	24.22	23.84	
15	QPSK	36	0	22.93	23.08	22.95	24
15	QPSK	36	20	23.10	23.17	23.01	
15	QPSK	36	39	23.17	23.21	22.94	
15	QPSK	75	0	23.10	23.25	23.16	24
15	16QAM	1	0	23.39	23.42	23.51	
15	16QAM	1	37	23.28	23.31	23.39	
15	16QAM	1	74	23.39	23.40	23.34	23
15	16QAM	36	0	22.14	22.20	21.98	
15	16QAM	36	20	22.06	22.17	21.93	
15	16QAM	36	39	22.19	22.03	21.92	23
15	16QAM	75	0	22.10	22.10	22.00	
15	64QAM	1	0	22.23	22.41	22.44	
15	64QAM	1	37	22.33	22.47	22.28	22
15	64QAM	1	74	22.40	22.36	22.25	
15	64QAM	36	0	21.08	21.18	20.95	
15	64QAM	36	20	21.04	21.25	20.89	20
15	64QAM	36	39	20.96	21.12	20.94	
15	64QAM	75	0	20.95	21.15	20.97	
15	256QAM	1	0	19.28	19.40	19.41	20
15	256QAM	1	37	18.96	19.11	18.85	
15	256QAM	1	74	19.09	19.27	19.02	
15	256QAM	36	0	18.94	19.07	18.95	20
15	256QAM	36	20	19.15	19.25	19.21	



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15	256QAM	36	39	19.14	19.17	19.14	Tune-up limit (dBm)
15	256QAM	75	0	18.90	19.17	18.99	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	24.24	24.19	24.12	25
10	QPSK	1	25	23.86	23.98	23.88	
10	QPSK	1	49	24.04	24.02	23.93	
10	QPSK	25	0	23.11	23.15	23.12	24
10	QPSK	25	12	22.95	23.10	23.06	
10	QPSK	25	25	23.17	23.26	22.95	
10	QPSK	50	0	23.10	23.17	23.10	
10	16QAM	1	0	23.52	23.61	23.44	24
10	16QAM	1	25	23.27	23.36	23.37	
10	16QAM	1	49	23.50	23.31	23.34	
10	16QAM	25	0	22.17	22.05	22.02	23
10	16QAM	25	12	22.01	22.10	22.00	
10	16QAM	25	25	22.20	22.11	21.99	
10	16QAM	50	0	22.02	22.22	22.13	
10	64QAM	1	0	22.35	22.54	22.40	23
10	64QAM	1	25	22.19	22.37	22.13	
10	64QAM	1	49	22.45	22.32	22.07	
10	64QAM	25	0	21.18	21.15	21.04	22
10	64QAM	25	12	21.16	21.11	20.83	
10	64QAM	25	25	20.96	21.07	21.00	
10	64QAM	50	0	20.99	21.15	20.94	
10	256QAM	1	0	19.29	19.38	19.40	20
10	256QAM	1	25	18.96	19.07	18.93	
10	256QAM	1	49	19.07	19.21	19.11	
10	256QAM	25	0	18.91	19.17	18.94	20
10	256QAM	25	12	19.12	19.16	19.11	
10	256QAM	25	25	19.10	19.26	19.05	
10	256QAM	50	0	19.02	19.11	19.14	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	24.11	24.16	24.11	25
5	QPSK	1	12	23.74	23.94	23.84	
5	QPSK	1	24	24.02	24.18	23.92	
5	QPSK	12	0	22.99	23.19	23.10	24
5	QPSK	12	7	23.10	23.19	23.06	
5	QPSK	12	13	23.05	23.11	23.04	
5	QPSK	25	0	23.04	23.12	23.04	
5	16QAM	1	0	23.43	23.45	23.33	24
5	16QAM	1	12	23.40	23.40	23.37	
5	16QAM	1	24	23.46	23.38	23.38	
5	16QAM	12	0	22.09	22.11	21.99	23
5	16QAM	12	7	22.09	22.19	21.94	
5	16QAM	12	13	22.11	22.06	21.91	
5	16QAM	25	0	22.16	22.07	22.02	
5	64QAM	1	0	22.24	22.43	22.46	23
5	64QAM	1	12	22.34	22.48	22.17	
5	64QAM	1	24	22.42	22.29	22.19	
5	64QAM	12	0	20.99	21.11	21.08	22
5	64QAM	12	7	21.19	21.19	20.94	
5	64QAM	12	13	20.96	21.14	20.97	
5	64QAM	25	0	21.01	21.12	20.99	
5	256QAM	1	0	19.35	19.41	19.30	20
5	256QAM	1	12	18.88	19.11	18.83	
5	256QAM	1	24	19.13	19.12	18.98	
5	256QAM	12	0	18.88	19.01	19.08	20
5	256QAM	12	7	19.04	19.21	19.06	
5	256QAM	12	13	19.08	19.19	19.01	
5	256QAM	25	0	18.97	19.20	19.07	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	24.12	24.15	24.17	25
3	QPSK	1	8	23.76	24.02	23.85	
3	QPSK	1	14	24.16	24.07	23.88	
3	QPSK	8	0	22.92	23.06	22.97	24
3	QPSK	8	4	22.96	23.22	22.91	
3	QPSK	8	7	23.18	23.18	22.94	
3	QPSK	15	0	23.20	23.26	23.03	24
3	16QAM	1	0	23.46	23.42	23.41	
3	16QAM	1	8	23.37	23.33	23.35	
3	16QAM	1	14	23.42	23.39	23.24	23
3	16QAM	8	0	22.06	22.15	22.05	
3	16QAM	8	4	21.95	22.07	22.10	
3	16QAM	8	7	22.20	21.99	22.02	23
3	16QAM	15	0	22.01	22.19	22.00	
3	64QAM	1	0	22.42	22.50	22.45	
3	64QAM	1	8	22.27	22.29	22.14	22
3	64QAM	1	14	22.47	22.33	22.14	
3	64QAM	8	0	21.00	21.26	20.97	
3	64QAM	8	4	21.05	21.12	20.93	20
3	64QAM	8	7	21.09	21.05	20.94	
3	64QAM	15	0	21.00	21.05	20.90	
3	256QAM	1	0	19.30	19.39	19.37	20
3	256QAM	1	8	18.94	19.11	18.98	
3	256QAM	1	14	19.16	19.28	19.04	
3	256QAM	8	0	19.00	19.01	19.04	20
3	256QAM	8	4	19.04	19.16	19.10	
3	256QAM	8	7	19.03	19.17	19.08	
3	256QAM	15	0	18.95	19.05	18.98	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	25
1.4	QPSK	1	0	24.26	24.19	24.05	
1.4	QPSK	1	3	23.78	23.94	23.92	
1.4	QPSK	1	5	24.06	24.10	23.87	24
1.4	QPSK	3	0	24.19	24.27	24.03	
1.4	QPSK	3	1	23.77	23.93	23.94	
1.4	QPSK	3	3	24.15	24.13	23.87	24
1.4	QPSK	6	0	22.91	23.09	22.99	
1.4	16QAM	1	0	23.04	23.20	22.96	
1.4	16QAM	1	3	23.18	23.14	22.91	23
1.4	16QAM	1	5	23.13	23.23	23.03	
1.4	16QAM	3	0	23.45	23.50	23.36	
1.4	16QAM	3	1	23.44	23.34	23.24	23
1.4	16QAM	3	3	23.52	23.29	23.19	
1.4	16QAM	6	0	22.16	22.12	22.09	
1.4	64QAM	1	0	22.03	22.07	22.00	23
1.4	64QAM	1	3	22.04	22.14	22.04	
1.4	64QAM	1	5	22.18	22.14	22.09	
1.4	64QAM	3	0	22.23	22.55	22.29	22
1.4	64QAM	3	1	22.28	22.33	22.15	
1.4	64QAM	3	3	22.37	22.27	22.23	
1.4	64QAM	6	0	20.99	21.15	20.98	20
1.4	256QAM	1	0	19.35	19.45	19.44	
1.4	256QAM	1	3	18.87	19.03	18.92	
1.4	256QAM	1	5	19.15	19.21	18.99	20
1.4	256QAM	3	0	18.88	19.08	19.05	
1.4	256QAM	3	1	19.03	19.13	19.14	
1.4	256QAM	3	3	19.07	19.23	18.98	20
1.4	256QAM	6	0	18.88	19.07	19.00	



<LTE Band 25_Ant 5_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.93	23.85	23.83	
20	QPSK	1	49	23.87	23.84	23.55	25
20	QPSK	1	99	23.77	23.79	23.71	
20	QPSK	50	0	22.86	22.85	22.67	
20	QPSK	50	24	22.84	22.81	22.66	24
20	QPSK	50	50	22.85	22.84	22.74	
20	QPSK	100	0	22.79	22.70	22.76	
20	16QAM	1	0	23.08	23.18	23.06	24
20	16QAM	1	49	23.05	23.18	23.06	
20	16QAM	1	99	23.08	23.15	22.99	
20	16QAM	50	0	21.89	21.87	21.77	23
20	16QAM	50	24	21.79	21.83	21.76	
20	16QAM	50	50	21.84	21.80	21.68	
20	16QAM	100	0	21.70	21.89	21.69	23
20	64QAM	1	0	22.26	22.09	22.04	
20	64QAM	1	49	22.16	22.14	21.91	
20	64QAM	1	99	22.01	22.04	21.90	22
20	64QAM	50	0	20.81	20.84	20.74	
20	64QAM	50	24	20.80	20.79	20.66	
20	64QAM	50	50	20.75	20.80	20.71	20
20	64QAM	100	0	20.77	20.79	20.68	
20	256QAM	1	0	18.79	18.97	18.89	
20	256QAM	1	49	18.28	18.52	18.34	20
20	256QAM	1	99	18.56	18.79	18.61	
20	256QAM	50	0	18.56	18.76	18.65	20
20	256QAM	50	24	18.43	18.70	18.52	
20	256QAM	50	50	18.50	18.68	18.54	
20	256QAM	100	0	18.40	18.68	18.59	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.88	23.67	23.83	25
15	QPSK	1	37	23.86	23.77	23.52	
15	QPSK	1	74	23.69	23.63	23.67	
15	QPSK	36	0	22.74	22.81	22.58	24
15	QPSK	36	20	22.77	22.79	22.66	
15	QPSK	36	39	22.73	22.74	22.60	
15	QPSK	75	0	22.66	22.51	22.64	24
15	16QAM	1	0	23.05	22.98	23.01	
15	16QAM	1	37	22.98	23.06	22.99	
15	16QAM	1	74	22.91	23.02	22.81	23
15	16QAM	36	0	21.73	21.87	21.57	
15	16QAM	36	20	21.64	21.64	21.66	
15	16QAM	36	39	21.72	21.60	21.57	23
15	16QAM	75	0	21.64	21.69	21.60	
15	64QAM	1	0	22.09	21.95	21.94	
15	64QAM	1	37	22.10	22.02	21.81	23
15	64QAM	1	74	21.88	22.04	21.71	
15	64QAM	36	0	20.71	20.83	20.72	22
15	64QAM	36	20	20.66	20.73	20.60	
15	64QAM	36	39	20.64	20.69	20.66	
15	64QAM	75	0	20.77	20.72	20.58	20
15	256QAM	1	0	18.67	18.83	18.70	
15	256QAM	1	37	18.24	18.43	18.25	
15	256QAM	1	74	18.55	18.71	18.45	20
15	256QAM	36	0	18.50	18.59	18.53	
15	256QAM	36	20	18.25	18.54	18.41	



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15	256QAM	36	39	18.33	18.49	18.36	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.68	18.49	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.79	23.69	25
10	QPSK	1	25	23.79	23.75	23.52	
10	QPSK	1	49	23.61	23.62	23.60	
10	QPSK	25	0	22.71	22.73	22.64	24
10	QPSK	25	12	22.76	22.77	22.56	
10	QPSK	25	25	22.81	22.73	22.70	
10	QPSK	50	0	22.61	22.56	22.61	
10	16QAM	1	0	22.95	23.03	22.99	24
10	16QAM	1	25	22.88	23.12	22.88	
10	16QAM	1	49	22.96	23.09	22.95	
10	16QAM	25	0	21.82	21.82	21.60	23
10	16QAM	25	12	21.74	21.63	21.66	
10	16QAM	25	25	21.65	21.63	21.48	
10	16QAM	50	0	21.55	21.78	21.63	
10	64QAM	1	0	22.08	21.97	22.01	23
10	64QAM	1	25	22.04	22.14	21.77	
10	64QAM	1	49	21.85	21.90	21.89	
10	64QAM	25	0	20.73	20.76	20.62	22
10	64QAM	25	12	20.65	20.73	20.62	
10	64QAM	25	25	20.67	20.74	20.51	
10	64QAM	50	0	20.62	20.67	20.49	
10	256QAM	1	0	18.62	18.89	18.89	20
10	256QAM	1	25	18.17	18.36	18.29	
10	256QAM	1	49	18.40	18.77	18.60	
10	256QAM	25	0	18.48	18.68	18.49	20
10	256QAM	25	12	18.36	18.53	18.49	
10	256QAM	25	25	18.33	18.58	18.35	
10	256QAM	50	0	18.24	18.59	18.58	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.86	23.78	23.79	25
5	QPSK	1	12	23.72	23.67	23.40	
5	QPSK	1	24	23.57	23.75	23.61	
5	QPSK	12	0	22.58	22.78	22.67	24
5	QPSK	12	7	22.69	22.77	22.50	
5	QPSK	12	13	22.81	22.71	22.62	
5	QPSK	25	0	22.60	22.54	22.75	
5	16QAM	1	0	23.06	23.01	22.96	24
5	16QAM	1	12	22.92	23.16	22.87	
5	16QAM	1	24	22.95	23.15	22.88	
5	16QAM	12	0	21.72	21.68	21.73	23
5	16QAM	12	7	21.77	21.73	21.72	
5	16QAM	12	13	21.68	21.66	21.58	
5	16QAM	25	0	21.69	21.71	21.55	
5	64QAM	1	0	22.19	22.01	21.90	23
5	64QAM	1	12	22.10	22.02	21.88	
5	64QAM	1	24	21.97	21.95	21.73	
5	64QAM	12	0	20.81	20.66	20.60	22
5	64QAM	12	7	20.69	20.59	20.66	
5	64QAM	12	13	20.69	20.69	20.51	
5	64QAM	25	0	20.70	20.64	20.66	
5	256QAM	1	0	18.69	18.88	18.77	20
5	256QAM	1	12	18.18	18.38	18.22	
5	256QAM	1	24	18.53	18.76	18.45	
5	256QAM	12	0	18.48	18.68	18.55	20
5	256QAM	12	7	18.37	18.58	18.40	
5	256QAM	12	13	18.35	18.56	18.45	
5	256QAM	25	0	18.24	18.55	18.42	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.84	23.68	23.68	25
3	QPSK	1	8	23.74	23.77	23.48	
3	QPSK	1	14	23.59	23.68	23.51	
3	QPSK	8	0	22.61	22.66	22.59	24
3	QPSK	8	4	22.67	22.77	22.58	
3	QPSK	8	7	22.70	22.81	22.67	
3	QPSK	15	0	22.65	22.68	22.68	24
3	16QAM	1	0	23.08	22.98	23.02	
3	16QAM	1	8	22.92	23.07	22.94	
3	16QAM	1	14	23.00	23.07	22.93	23
3	16QAM	8	0	21.81	21.73	21.64	
3	16QAM	8	4	21.60	21.71	21.56	
3	16QAM	8	7	21.72	21.77	21.58	23
3	16QAM	15	0	21.60	21.73	21.50	
3	64QAM	1	0	22.18	21.98	22.00	
3	64QAM	1	8	22.04	21.98	21.71	22
3	64QAM	1	14	22.01	21.93	21.83	
3	64QAM	8	0	20.64	20.74	20.71	
3	64QAM	8	4	20.70	20.78	20.56	20
3	64QAM	8	7	20.73	20.76	20.62	
3	64QAM	15	0	20.60	20.62	20.63	
3	256QAM	1	0	18.75	18.93	18.72	20
3	256QAM	1	8	18.17	18.44	18.14	
3	256QAM	1	14	18.40	18.69	18.56	
3	256QAM	8	0	18.45	18.65	18.60	20
3	256QAM	8	4	18.36	18.67	18.44	
3	256QAM	8	7	18.47	18.61	18.37	
3	256QAM	15	0	18.36	18.52	18.57	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	25
1.4	QPSK	1	0	23.91	23.76	23.82	
1.4	QPSK	1	3	23.81	23.72	23.46	
1.4	QPSK	1	5	23.67	23.63	23.65	24
1.4	QPSK	3	0	23.90	23.78	23.80	
1.4	QPSK	3	1	23.72	23.72	23.37	
1.4	QPSK	3	3	23.60	23.75	23.65	24
1.4	QPSK	6	0	22.58	22.85	22.55	
1.4	16QAM	1	0	22.79	22.76	22.59	
1.4	16QAM	1	3	22.80	22.73	22.72	23
1.4	16QAM	1	5	22.70	22.61	22.61	
1.4	16QAM	3	0	23.06	23.17	22.97	
1.4	16QAM	3	1	22.86	23.15	23.04	23
1.4	16QAM	3	3	22.89	23.04	22.79	
1.4	16QAM	6	0	21.81	21.85	21.65	
1.4	64QAM	1	0	21.62	21.63	21.61	22
1.4	64QAM	1	3	21.76	21.71	21.49	
1.4	64QAM	1	5	21.52	21.84	21.52	
1.4	64QAM	3	0	22.24	22.02	21.91	20
1.4	64QAM	3	1	22.00	22.08	21.77	
1.4	64QAM	3	3	21.89	21.93	21.70	
1.4	64QAM	6	0	20.80	20.78	20.54	20
1.4	256QAM	1	0	18.73	18.96	18.71	
1.4	256QAM	1	3	18.21	18.39	18.20	
1.4	256QAM	1	5	18.41	18.65	18.50	20
1.4	256QAM	3	0	18.37	18.58	18.65	
1.4	256QAM	3	1	18.27	18.56	18.37	
1.4	256QAM	3	3	18.46	18.55	18.47	20
1.4	256QAM	6	0	18.32	18.56	18.51	



<LTE Band 25_Ant 2_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.93	23.98	23.89	
20	QPSK	1	49	23.71	23.86	23.57	25
20	QPSK	1	99	23.79	23.86	23.76	
20	QPSK	50	0	22.83	22.89	22.74	
20	QPSK	50	24	22.80	22.86	22.72	24
20	QPSK	50	50	22.79	22.79	22.73	
20	QPSK	100	0	22.81	22.87	22.78	
20	16QAM	1	0	23.07	23.08	22.95	24
20	16QAM	1	49	23.10	23.08	23.01	
20	16QAM	1	99	23.02	23.16	22.95	
20	16QAM	50	0	21.85	21.89	21.77	23
20	16QAM	50	24	21.79	21.88	21.77	
20	16QAM	50	50	21.78	21.82	21.77	
20	16QAM	100	0	21.80	21.90	21.78	23
20	64QAM	1	0	22.17	22.15	21.96	
20	64QAM	1	49	21.91	22.00	22.20	
20	64QAM	1	99	22.05	22.01	21.90	22
20	64QAM	50	0	20.92	20.98	20.89	
20	64QAM	50	24	20.91	20.99	20.92	
20	64QAM	50	50	20.89	20.91	20.87	20
20	64QAM	100	0	20.85	20.96	20.86	
20	256QAM	1	0	19.08	19.14	18.96	
20	256QAM	1	49	18.73	18.88	18.68	20
20	256QAM	1	99	18.91	18.98	18.75	
20	256QAM	50	0	18.89	18.96	18.70	
20	256QAM	50	24	18.77	18.86	18.61	20
20	256QAM	50	50	18.76	18.90	18.62	
20	256QAM	100	0	18.86	18.92	18.68	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.92	23.85	23.84	
15	QPSK	1	37	23.58	23.82	23.37	25
15	QPSK	1	74	23.65	23.73	23.72	
15	QPSK	36	0	22.67	22.88	22.73	24
15	QPSK	36	20	22.74	22.71	22.60	
15	QPSK	36	39	22.76	22.76	22.68	
15	QPSK	75	0	22.69	22.71	22.68	24
15	16QAM	1	0	22.92	23.02	22.81	
15	16QAM	1	37	23.10	22.94	22.92	
15	16QAM	1	74	23.00	23.11	22.88	23
15	16QAM	36	0	21.65	21.89	21.76	
15	16QAM	36	20	21.67	21.81	21.65	
15	16QAM	36	39	21.75	21.67	21.74	23
15	16QAM	75	0	21.80	21.84	21.59	
15	64QAM	1	0	22.04	21.99	21.80	
15	64QAM	1	37	21.86	21.86	22.00	23
15	64QAM	1	74	21.85	21.85	21.89	
15	64QAM	36	0	20.83	20.89	20.73	22
15	64QAM	36	20	20.71	20.95	20.85	
15	64QAM	36	39	20.81	20.73	20.86	
15	64QAM	75	0	20.71	20.84	20.76	20
15	256QAM	1	0	18.88	18.95	18.92	
15	256QAM	1	37	18.58	18.70	18.66	
15	256QAM	1	74	18.84	18.88	18.58	20
15	256QAM	36	0	18.85	18.82	18.50	
15	256QAM	36	20	18.66	18.69	18.61	



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15	256QAM	36	39	18.72	18.76	18.49	Tune-up limit (dBm)
15	256QAM	75	0	18.82	18.72	18.67	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.94	23.75	25
10	QPSK	1	25	23.55	23.76	23.49	
10	QPSK	1	49	23.75	23.79	23.67	
10	QPSK	25	0	22.81	22.72	22.63	24
10	QPSK	25	12	22.76	22.72	22.69	
10	QPSK	25	25	22.64	22.73	22.73	
10	QPSK	50	0	22.64	22.82	22.66	
10	16QAM	1	0	22.96	22.93	22.84	24
10	16QAM	1	25	22.92	22.91	22.98	
10	16QAM	1	49	22.99	23.06	22.82	23
10	16QAM	25	0	21.77	21.88	21.75	
10	16QAM	25	12	21.64	21.84	21.59	
10	16QAM	25	25	21.63	21.67	21.66	
10	16QAM	50	0	21.73	21.82	21.74	23
10	64QAM	1	0	22.13	21.95	21.95	
10	64QAM	1	25	21.80	21.99	22.05	
10	64QAM	1	49	21.92	21.94	21.73	22
10	64QAM	25	0	20.88	20.78	20.81	
10	64QAM	25	12	20.79	20.94	20.78	
10	64QAM	25	25	20.77	20.71	20.84	
10	64QAM	50	0	20.83	20.92	20.82	20
10	256QAM	1	0	19.04	19.12	18.90	
10	256QAM	1	25	18.64	18.75	18.51	
10	256QAM	1	49	18.74	18.92	18.74	
10	256QAM	25	0	18.79	18.79	18.52	20
10	256QAM	25	12	18.70	18.85	18.44	
10	256QAM	25	25	18.64	18.71	18.60	
10	256QAM	50	0	18.86	18.90	18.48	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.90	23.96	23.72	25
5	QPSK	1	12	23.58	23.70	23.52	
5	QPSK	1	24	23.78	23.73	23.73	
5	QPSK	12	0	22.64	22.76	22.56	24
5	QPSK	12	7	22.63	22.81	22.66	
5	QPSK	12	13	22.77	22.69	22.63	
5	QPSK	25	0	22.66	22.80	22.77	
5	16QAM	1	0	22.90	23.06	22.86	24
5	16QAM	1	12	22.99	22.88	22.81	
5	16QAM	1	24	22.92	23.00	22.85	
5	16QAM	12	0	21.71	21.78	21.75	23
5	16QAM	12	7	21.71	21.87	21.58	
5	16QAM	12	13	21.60	21.63	21.70	
5	16QAM	25	0	21.60	21.75	21.63	
5	64QAM	1	0	22.07	22.09	21.83	23
5	64QAM	1	12	21.71	21.93	22.06	
5	64QAM	1	24	21.99	21.97	21.89	
5	64QAM	12	0	20.86	20.83	20.85	22
5	64QAM	12	7	20.82	20.87	20.77	
5	64QAM	12	13	20.71	20.81	20.67	
5	64QAM	25	0	20.83	20.81	20.71	
5	256QAM	1	0	19.04	18.96	18.96	20
5	256QAM	1	12	18.68	18.74	18.51	
5	256QAM	1	24	18.90	18.92	18.60	
5	256QAM	12	0	18.72	18.95	18.67	20
5	256QAM	12	7	18.57	18.71	18.52	
5	256QAM	12	13	18.67	18.80	18.61	
5	256QAM	25	0	18.77	18.89	18.59	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.80	23.88	23.76	25
3	QPSK	1	8	23.57	23.74	23.55	
3	QPSK	1	14	23.59	23.86	23.59	
3	QPSK	8	0	22.75	22.77	22.73	24
3	QPSK	8	4	22.68	22.76	22.65	
3	QPSK	8	7	22.70	22.67	22.61	
3	QPSK	15	0	22.61	22.79	22.59	
3	16QAM	1	0	22.98	23.06	22.78	24
3	16QAM	1	8	23.03	22.97	22.84	
3	16QAM	1	14	22.82	23.05	22.76	
3	16QAM	8	0	21.68	21.85	21.62	23
3	16QAM	8	4	21.78	21.82	21.60	
3	16QAM	8	7	21.69	21.81	21.60	
3	16QAM	15	0	21.62	21.85	21.64	
3	64QAM	1	0	22.00	22.09	21.88	23
3	64QAM	1	8	21.91	21.98	22.03	
3	64QAM	1	14	21.97	21.95	21.88	
3	64QAM	8	0	20.81	20.98	20.79	22
3	64QAM	8	4	20.91	20.82	20.77	
3	64QAM	8	7	20.79	20.86	20.71	
3	64QAM	15	0	20.84	20.91	20.73	
3	256QAM	1	0	18.90	18.96	18.76	20
3	256QAM	1	8	18.68	18.84	18.48	
3	256QAM	1	14	18.89	18.89	18.57	
3	256QAM	8	0	18.89	18.81	18.63	20
3	256QAM	8	4	18.69	18.86	18.57	
3	256QAM	8	7	18.74	18.78	18.46	
3	256QAM	15	0	18.75	18.80	18.49	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.81	23.82	23.69	25
1.4	QPSK	1	3	23.68	23.77	23.38	
1.4	QPSK	1	5	23.68	23.70	23.60	
1.4	QPSK	3	0	23.75	23.88	23.79	
1.4	QPSK	3	1	23.69	23.82	23.39	
1.4	QPSK	3	3	23.70	23.81	23.65	
1.4	QPSK	6	0	22.76	22.72	22.58	24
1.4	16QAM	1	0	22.77	22.78	22.62	24
1.4	16QAM	1	3	22.77	22.79	22.54	
1.4	16QAM	1	5	22.79	22.81	22.64	
1.4	16QAM	3	0	22.87	22.89	22.91	
1.4	16QAM	3	1	22.96	23.07	22.87	
1.4	16QAM	3	3	22.85	23.08	22.87	23
1.4	16QAM	6	0	21.75	21.80	21.63	
1.4	64QAM	1	0	21.74	21.75	21.58	
1.4	64QAM	1	3	21.70	21.65	21.64	
1.4	64QAM	1	5	21.76	21.73	21.68	
1.4	64QAM	3	0	22.06	21.99	21.93	23
1.4	64QAM	3	1	21.76	21.90	22.11	
1.4	64QAM	3	3	21.93	21.96	21.78	
1.4	64QAM	6	0	20.92	20.78	20.79	
1.4	256QAM	1	0	19.01	19.07	18.81	
1.4	256QAM	1	3	18.63	18.74	18.51	20
1.4	256QAM	1	5	18.75	18.81	18.68	
1.4	256QAM	3	0	18.86	18.89	18.51	
1.4	256QAM	3	1	18.69	18.71	18.42	
1.4	256QAM	3	3	18.74	18.77	18.54	
1.4	256QAM	6	0	18.75	18.92	18.55	20



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	20.93	20.82	20.89	21.5
20	QPSK	1	49	20.71	20.81	20.20	
20	QPSK	1	99	20.78	20.66	20.42	
20	QPSK	50	0	20.60	20.56	20.36	21.5
20	QPSK	50	24	20.51	20.47	20.42	
20	QPSK	50	50	20.53	20.55	20.33	
20	QPSK	100	0	20.49	20.47	20.41	
20	16QAM	1	0	20.63	20.55	20.40	21.5
20	16QAM	1	49	20.32	20.46	20.43	
20	16QAM	1	99	20.54	20.50	20.31	
20	16QAM	50	0	20.47	20.59	20.23	21.5
20	16QAM	50	24	20.43	20.53	20.32	
20	16QAM	50	50	20.47	20.48	20.26	
20	16QAM	100	0	20.49	20.51	20.42	
20	64QAM	1	0	20.53	20.52	20.62	21.5
20	64QAM	1	49	20.76	20.77	20.29	
20	64QAM	1	99	20.86	20.65	20.31	
20	64QAM	50	0	20.66	20.64	20.64	21.5
20	64QAM	50	24	20.54	20.65	20.42	
20	64QAM	50	50	20.58	20.74	20.42	
20	64QAM	100	0	20.53	20.68	20.53	
20	256QAM	1	0	18.49	18.56	18.33	20
20	256QAM	1	49	18.37	18.50	18.55	
20	256QAM	1	99	18.32	18.55	18.38	
20	256QAM	50	0	18.13	18.36	18.22	20
20	256QAM	50	24	18.07	18.14	18.18	
20	256QAM	50	50	18.10	18.33	18.04	
20	256QAM	100	0	18.32	18.44	18.14	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	20.79	20.72	20.81	21.5
15	QPSK	1	37	20.57	20.59	19.97	
15	QPSK	1	74	20.71	20.45	20.33	
15	QPSK	36	0	20.50	20.40	20.31	21.5
15	QPSK	36	20	20.41	20.23	20.37	
15	QPSK	36	39	20.48	20.35	20.24	
15	QPSK	75	0	20.27	20.32	20.36	
15	16QAM	1	0	20.43	20.44	20.18	21.5
15	16QAM	1	37	20.27	20.39	20.23	
15	16QAM	1	74	20.32	20.32	20.14	
15	16QAM	36	0	20.34	20.53	20.11	21.5
15	16QAM	36	20	20.27	20.37	20.09	
15	16QAM	36	39	20.26	20.34	20.18	
15	16QAM	75	0	20.38	20.26	20.24	
15	64QAM	1	0	20.33	20.38	20.43	21.5
15	64QAM	1	37	20.64	20.56	20.12	
15	64QAM	1	74	20.63	20.43	20.24	
15	64QAM	36	0	20.45	20.59	20.39	21.5
15	64QAM	36	20	20.32	20.50	20.26	
15	64QAM	36	39	20.47	20.57	20.18	
15	64QAM	75	0	20.31	20.59	20.47	
15	256QAM	1	0	18.44	18.36	18.23	20
15	256QAM	1	37	18.30	18.43	18.33	
15	256QAM	1	74	18.18	18.42	18.26	
15	256QAM	36	0	17.99	18.11	18.06	20
15	256QAM	36	20	17.95	17.98	18.01	
15	256QAM	36	39	17.99	18.08	17.94	



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15	256QAM	75	0	18.23	18.35	18.06	Tune-up limit (dBm)
Channel				26090	26340	26640	
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	20.81	20.57	20.81	21.5
10	QPSK	1	25	20.57	20.56	20.07	
10	QPSK	1	49	20.65	20.43	20.17	
10	QPSK	25	0	20.54	20.51	20.14	21.5
10	QPSK	25	12	20.33	20.22	20.35	
10	QPSK	25	25	20.39	20.42	20.23	
10	QPSK	50	0	20.41	20.40	20.22	21.5
10	16QAM	1	0	20.46	20.35	20.35	
10	16QAM	1	25	20.26	20.35	20.29	
10	16QAM	1	49	20.29	20.32	20.06	21.5
10	16QAM	25	0	20.33	20.45	20.18	
10	16QAM	25	12	20.30	20.47	20.23	
10	16QAM	25	25	20.35	20.32	20.01	21.5
10	16QAM	50	0	20.30	20.33	20.27	
10	64QAM	1	0	20.42	20.42	20.52	
10	64QAM	1	25	20.70	20.60	20.20	21.5
10	64QAM	1	49	20.71	20.53	20.19	
10	64QAM	25	0	20.50	20.59	20.54	
10	64QAM	25	12	20.35	20.56	20.32	21.5
10	64QAM	25	25	20.45	20.59	20.30	
10	64QAM	50	0	20.28	20.49	20.30	
10	256QAM	1	0	18.41	18.36	18.11	20
10	256QAM	1	25	18.12	18.25	18.45	
10	256QAM	1	49	18.12	18.46	18.16	
10	256QAM	25	0	17.90	18.14	17.97	20
10	256QAM	25	12	17.84	18.01	17.98	
10	256QAM	25	25	17.90	18.22	17.97	
10	256QAM	50	0	18.12	18.28	18.00	Tune-up limit (dBm)
Channel				26065	26340	26665	
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	20.88	20.75	20.73	21.5
5	QPSK	1	12	20.62	20.75	19.98	
5	QPSK	1	24	20.59	20.41	20.33	
5	QPSK	12	0	20.36	20.33	20.12	21.5
5	QPSK	12	7	20.42	20.27	20.22	
5	QPSK	12	13	20.34	20.45	20.14	
5	QPSK	25	0	20.29	20.30	20.25	21.5
5	16QAM	1	0	20.57	20.30	20.22	
5	16QAM	1	12	20.12	20.37	20.26	
5	16QAM	1	24	20.38	20.35	20.17	21.5
5	16QAM	12	0	20.37	20.41	20.02	
5	16QAM	12	7	20.24	20.34	20.15	
5	16QAM	12	13	20.31	20.34	20.13	21.5
5	16QAM	25	0	20.32	20.45	20.21	
5	64QAM	1	0	20.39	20.35	20.46	
5	64QAM	1	12	20.61	20.62	20.20	21.5
5	64QAM	1	24	20.80	20.55	20.26	
5	64QAM	12	0	20.41	20.40	20.47	
5	64QAM	12	7	20.42	20.48	20.26	21.5
5	64QAM	12	13	20.49	20.68	20.19	
5	64QAM	25	0	20.35	20.53	20.42	
5	256QAM	1	0	18.44	18.49	18.08	20
5	256QAM	1	12	18.24	18.37	18.50	
5	256QAM	1	24	18.13	18.43	18.26	
5	256QAM	12	0	18.05	18.21	17.99	20
5	256QAM	12	7	17.95	18.09	18.05	
5	256QAM	12	13	17.95	18.22	17.93	
5	256QAM	25	0	18.15	18.37	17.93	Tune-up limit (dBm)
Channel				26055	26340	26675	
Frequency (MHz)				1851.5	1880	1913.5	



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3	QPSK	1	0	20.70	20.67	20.79	21.5
3	QPSK	1	8	20.65	20.59	20.05	
3	QPSK	1	14	20.61	20.58	20.33	
3	QPSK	8	0	20.44	20.34	20.18	21.5
3	QPSK	8	4	20.44	20.25	20.27	
3	QPSK	8	7	20.45	20.39	20.27	
3	QPSK	15	0	20.35	20.36	20.35	
3	16QAM	1	0	20.52	20.48	20.23	21.5
3	16QAM	1	8	20.12	20.28	20.37	
3	16QAM	1	14	20.47	20.35	20.14	
3	16QAM	8	0	20.39	20.44	20.01	21.5
3	16QAM	8	4	20.18	20.35	20.21	
3	16QAM	8	7	20.26	20.30	20.20	
3	16QAM	15	0	20.42	20.34	20.30	
3	64QAM	1	0	20.36	20.43	20.37	21.5
3	64QAM	1	8	20.58	20.59	20.10	
3	64QAM	1	14	20.79	20.54	20.23	
3	64QAM	8	0	20.47	20.53	20.51	21.5
3	64QAM	8	4	20.47	20.50	20.19	
3	64QAM	8	7	20.38	20.55	20.27	
3	64QAM	15	0	20.28	20.59	20.29	
3	256QAM	1	0	18.37	18.49	18.08	20
3	256QAM	1	8	18.24	18.38	18.33	
3	256QAM	1	14	18.27	18.46	18.13	
3	256QAM	8	0	18.01	18.20	18.01	20
3	256QAM	8	4	17.92	17.93	18.01	
3	256QAM	8	7	17.92	18.19	17.86	
3	256QAM	15	0	18.16	18.31	17.94	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	20.73	20.58	20.72	21.5
1.4	QPSK	1	3	20.60	20.61	20.03	
1.4	QPSK	1	5	20.60	20.48	20.17	
1.4	QPSK	3	0	20.49	20.46	20.15	
1.4	QPSK	3	1	20.27	20.39	20.34	
1.4	QPSK	3	3	20.48	20.31	20.25	
1.4	QPSK	6	0	20.28	20.32	20.27	21.5
1.4	16QAM	1	0	20.49	20.39	20.35	21.5
1.4	16QAM	1	3	20.09	20.29	20.29	
1.4	16QAM	1	5	20.37	20.36	20.09	
1.4	16QAM	3	0	20.34	20.50	20.01	
1.4	16QAM	3	1	20.25	20.29	20.17	
1.4	16QAM	3	3	20.26	20.32	20.18	
1.4	16QAM	6	0	20.39	20.43	20.19	21.5
1.4	64QAM	1	0	20.34	20.31	20.45	21.5
1.4	64QAM	1	3	20.68	20.63	20.08	
1.4	64QAM	1	5	20.76	20.48	20.14	
1.4	64QAM	3	0	20.43	20.57	20.51	
1.4	64QAM	3	1	20.48	20.40	20.34	
1.4	64QAM	3	3	20.34	20.53	20.28	
1.4	64QAM	6	0	20.35	20.51	20.42	21.5
1.4	256QAM	1	0	18.24	18.37	18.22	20
1.4	256QAM	1	3	18.23	18.35	18.41	
1.4	256QAM	1	5	18.09	18.46	18.28	
1.4	256QAM	3	0	18.03	18.13	17.98	
1.4	256QAM	3	1	17.91	18.02	17.95	
1.4	256QAM	3	3	17.96	18.09	17.89	
1.4	256QAM	6	0	18.22	18.23	18.04	20



<LTE Band 25_Ant 0_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	24.26	24.31	24.18	
20	QPSK	1	49	23.94	24.08	23.94	25
20	QPSK	1	99	24.17	24.22	24.02	
20	QPSK	50	0	23.11	23.19	23.15	
20	QPSK	50	24	23.14	23.27	23.10	24
20	QPSK	50	50	23.19	23.29	23.07	
20	QPSK	100	0	23.24	23.26	23.17	
20	16QAM	1	0	23.53	23.61	23.51	24
20	16QAM	1	49	23.44	23.51	23.40	
20	16QAM	1	99	23.56	23.46	23.38	
20	16QAM	50	0	22.22	22.25	22.17	23
20	16QAM	50	24	22.12	22.24	22.11	
20	16QAM	50	50	22.21	22.18	22.07	
20	16QAM	100	0	22.18	22.26	22.15	23
20	64QAM	1	0	22.43	22.55	22.46	
20	64QAM	1	49	22.34	22.48	22.28	
20	64QAM	1	99	22.48	22.42	22.25	22
20	64QAM	50	0	21.19	21.29	21.15	
20	64QAM	50	24	21.24	21.25	21.02	
20	64QAM	50	50	21.13	21.21	21.03	20
20	64QAM	100	0	21.14	21.21	21.09	
20	256QAM	1	0	19.44	19.54	19.48	
20	256QAM	1	49	18.97	19.15	19.01	20
20	256QAM	1	99	19.19	19.31	19.18	
20	256QAM	50	0	19.04	19.21	19.11	20
20	256QAM	50	24	19.16	19.29	19.23	
20	256QAM	50	50	19.14	19.27	19.14	
20	256QAM	100	0	19.08	19.24	19.15	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	24.23	24.13	24.09	
15	QPSK	1	37	23.76	23.92	23.83	25
15	QPSK	1	74	24.02	24.22	23.84	
15	QPSK	36	0	22.93	23.08	22.95	24
15	QPSK	36	20	23.10	23.17	23.01	
15	QPSK	36	39	23.17	23.21	22.94	
15	QPSK	75	0	23.10	23.25	23.16	24
15	16QAM	1	0	23.39	23.42	23.51	
15	16QAM	1	37	23.28	23.31	23.39	
15	16QAM	1	74	23.39	23.40	23.34	23
15	16QAM	36	0	22.14	22.20	21.98	
15	16QAM	36	20	22.06	22.17	21.93	
15	16QAM	36	39	22.19	22.03	21.92	23
15	16QAM	75	0	22.10	22.10	22.00	
15	64QAM	1	0	22.23	22.41	22.44	
15	64QAM	1	37	22.33	22.47	22.28	22
15	64QAM	1	74	22.40	22.36	22.25	
15	64QAM	36	0	21.08	21.18	20.95	
15	64QAM	36	20	21.04	21.25	20.89	20
15	64QAM	36	39	20.96	21.12	20.94	
15	64QAM	75	0	20.95	21.15	20.97	
15	256QAM	1	0	19.28	19.40	19.41	20
15	256QAM	1	37	18.96	19.11	18.85	
15	256QAM	1	74	19.09	19.27	19.02	
15	256QAM	36	0	18.94	19.07	18.95	20
15	256QAM	36	20	19.15	19.25	19.21	



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15	256QAM	36	39	19.14	19.17	19.14	Tune-up limit (dBm)
15	256QAM	75	0	18.90	19.17	18.99	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	24.24	24.19	24.12	25
10	QPSK	1	25	23.86	23.98	23.88	
10	QPSK	1	49	24.04	24.02	23.93	
10	QPSK	25	0	23.11	23.15	23.12	24
10	QPSK	25	12	22.95	23.10	23.06	
10	QPSK	25	25	23.17	23.26	22.95	
10	QPSK	50	0	23.10	23.17	23.10	
10	16QAM	1	0	23.52	23.61	23.44	24
10	16QAM	1	25	23.27	23.36	23.37	
10	16QAM	1	49	23.50	23.31	23.34	
10	16QAM	25	0	22.17	22.05	22.02	23
10	16QAM	25	12	22.01	22.10	22.00	
10	16QAM	25	25	22.20	22.11	21.99	
10	16QAM	50	0	22.02	22.22	22.13	
10	64QAM	1	0	22.35	22.54	22.40	23
10	64QAM	1	25	22.19	22.37	22.13	
10	64QAM	1	49	22.45	22.32	22.07	
10	64QAM	25	0	21.18	21.15	21.04	22
10	64QAM	25	12	21.16	21.11	20.83	
10	64QAM	25	25	20.96	21.07	21.00	
10	64QAM	50	0	20.99	21.15	20.94	
10	256QAM	1	0	19.29	19.38	19.40	20
10	256QAM	1	25	18.96	19.07	18.93	
10	256QAM	1	49	19.07	19.21	19.11	
10	256QAM	25	0	18.91	19.17	18.94	20
10	256QAM	25	12	19.12	19.16	19.11	
10	256QAM	25	25	19.10	19.26	19.05	
10	256QAM	50	0	19.02	19.11	19.14	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	24.11	24.16	24.11	25
5	QPSK	1	12	23.74	23.94	23.84	
5	QPSK	1	24	24.02	24.18	23.92	
5	QPSK	12	0	22.99	23.19	23.10	24
5	QPSK	12	7	23.10	23.19	23.06	
5	QPSK	12	13	23.05	23.11	23.04	
5	QPSK	25	0	23.04	23.12	23.04	
5	16QAM	1	0	23.43	23.45	23.33	24
5	16QAM	1	12	23.40	23.40	23.37	
5	16QAM	1	24	23.46	23.38	23.38	
5	16QAM	12	0	22.09	22.11	21.99	23
5	16QAM	12	7	22.09	22.19	21.94	
5	16QAM	12	13	22.11	22.06	21.91	
5	16QAM	25	0	22.16	22.07	22.02	
5	64QAM	1	0	22.24	22.43	22.46	23
5	64QAM	1	12	22.34	22.48	22.17	
5	64QAM	1	24	22.42	22.29	22.19	
5	64QAM	12	0	20.99	21.11	21.08	22
5	64QAM	12	7	21.19	21.19	20.94	
5	64QAM	12	13	20.96	21.14	20.97	
5	64QAM	25	0	21.01	21.12	20.99	
5	256QAM	1	0	19.35	19.41	19.30	20
5	256QAM	1	12	18.88	19.11	18.83	
5	256QAM	1	24	19.13	19.12	18.98	
5	256QAM	12	0	18.88	19.01	19.08	20
5	256QAM	12	7	19.04	19.21	19.06	
5	256QAM	12	13	19.08	19.19	19.01	
5	256QAM	25	0	18.97	19.20	19.07	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	24.12	24.15	24.17	25
3	QPSK	1	8	23.76	24.02	23.85	
3	QPSK	1	14	24.16	24.07	23.88	
3	QPSK	8	0	22.92	23.06	22.97	24
3	QPSK	8	4	22.96	23.22	22.91	
3	QPSK	8	7	23.18	23.18	22.94	
3	QPSK	15	0	23.20	23.26	23.03	24
3	16QAM	1	0	23.46	23.42	23.41	
3	16QAM	1	8	23.37	23.33	23.35	
3	16QAM	1	14	23.42	23.39	23.24	23
3	16QAM	8	0	22.06	22.15	22.05	
3	16QAM	8	4	21.95	22.07	22.10	
3	16QAM	8	7	22.20	21.99	22.02	23
3	16QAM	15	0	22.01	22.19	22.00	
3	64QAM	1	0	22.42	22.50	22.45	
3	64QAM	1	8	22.27	22.29	22.14	22
3	64QAM	1	14	22.47	22.33	22.14	
3	64QAM	8	0	21.00	21.26	20.97	
3	64QAM	8	4	21.05	21.12	20.93	20
3	64QAM	8	7	21.09	21.05	20.94	
3	64QAM	15	0	21.00	21.05	20.90	
3	256QAM	1	0	19.30	19.39	19.37	20
3	256QAM	1	8	18.94	19.11	18.98	
3	256QAM	1	14	19.16	19.28	19.04	
3	256QAM	8	0	19.00	19.01	19.04	20
3	256QAM	8	4	19.04	19.16	19.10	
3	256QAM	8	7	19.03	19.17	19.08	
3	256QAM	15	0	18.95	19.05	18.98	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	25
1.4	QPSK	1	0	24.26	24.19	24.05	
1.4	QPSK	1	3	23.78	23.94	23.92	
1.4	QPSK	1	5	24.06	24.10	23.87	24
1.4	QPSK	3	0	24.19	24.27	24.03	
1.4	QPSK	3	1	23.77	23.93	23.94	
1.4	QPSK	3	3	24.15	24.13	23.87	24
1.4	QPSK	6	0	22.91	23.09	22.99	
1.4	16QAM	1	0	23.04	23.20	22.96	
1.4	16QAM	1	3	23.18	23.14	22.91	23
1.4	16QAM	1	5	23.13	23.23	23.03	
1.4	16QAM	3	0	23.45	23.50	23.36	
1.4	16QAM	3	1	23.44	23.34	23.24	23
1.4	16QAM	3	3	23.52	23.29	23.19	
1.4	16QAM	6	0	22.16	22.12	22.09	
1.4	64QAM	1	0	22.03	22.07	22.00	22
1.4	64QAM	1	3	22.04	22.14	22.04	
1.4	64QAM	1	5	22.18	22.14	22.09	
1.4	64QAM	3	0	22.23	22.55	22.29	20
1.4	64QAM	3	1	22.28	22.33	22.15	
1.4	64QAM	3	3	22.37	22.27	22.23	
1.4	64QAM	6	0	20.99	21.15	20.98	20
1.4	256QAM	1	0	19.35	19.45	19.44	
1.4	256QAM	1	3	18.87	19.03	18.92	
1.4	256QAM	1	5	19.15	19.21	18.99	20
1.4	256QAM	3	0	18.88	19.08	19.05	
1.4	256QAM	3	1	19.03	19.13	19.14	
1.4	256QAM	3	3	19.07	19.23	18.98	20
1.4	256QAM	6	0	18.88	19.07	19.00	



<LTE Band 25_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.93	23.85	23.83	
20	QPSK	1	49	23.87	23.84	23.55	25
20	QPSK	1	99	23.77	23.79	23.71	
20	QPSK	50	0	22.86	22.85	22.67	
20	QPSK	50	24	22.84	22.81	22.66	24
20	QPSK	50	50	22.85	22.84	22.74	
20	QPSK	100	0	22.79	22.70	22.76	
20	16QAM	1	0	23.08	23.18	23.06	24
20	16QAM	1	49	23.05	23.18	23.06	
20	16QAM	1	99	23.08	23.15	22.99	
20	16QAM	50	0	21.89	21.87	21.77	23
20	16QAM	50	24	21.79	21.83	21.76	
20	16QAM	50	50	21.84	21.80	21.68	
20	16QAM	100	0	21.70	21.89	21.69	23
20	64QAM	1	0	22.26	22.09	22.04	
20	64QAM	1	49	22.16	22.14	21.91	
20	64QAM	1	99	22.01	22.04	21.90	22
20	64QAM	50	0	20.81	20.84	20.74	
20	64QAM	50	24	20.80	20.79	20.66	
20	64QAM	50	50	20.75	20.80	20.71	20
20	64QAM	100	0	20.77	20.79	20.68	
20	256QAM	1	0	18.79	18.97	18.89	
20	256QAM	1	49	18.28	18.52	18.34	20
20	256QAM	1	99	18.56	18.79	18.61	
20	256QAM	50	0	18.56	18.76	18.65	20
20	256QAM	50	24	18.43	18.70	18.52	
20	256QAM	50	50	18.50	18.68	18.54	
20	256QAM	100	0	18.40	18.68	18.59	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.88	23.67	23.83	
15	QPSK	1	37	23.86	23.77	23.52	25
15	QPSK	1	74	23.69	23.63	23.67	
15	QPSK	36	0	22.74	22.81	22.58	24
15	QPSK	36	20	22.77	22.79	22.66	
15	QPSK	36	39	22.73	22.74	22.60	
15	QPSK	75	0	22.66	22.51	22.64	24
15	16QAM	1	0	23.05	22.98	23.01	
15	16QAM	1	37	22.98	23.06	22.99	
15	16QAM	1	74	22.91	23.02	22.81	23
15	16QAM	36	0	21.73	21.87	21.57	
15	16QAM	36	20	21.64	21.64	21.66	
15	16QAM	36	39	21.72	21.60	21.57	23
15	16QAM	75	0	21.64	21.69	21.60	
15	64QAM	1	0	22.09	21.95	21.94	
15	64QAM	1	37	22.10	22.02	21.81	23
15	64QAM	1	74	21.88	22.04	21.71	
15	64QAM	36	0	20.71	20.83	20.72	22
15	64QAM	36	20	20.66	20.73	20.60	
15	64QAM	36	39	20.64	20.69	20.66	
15	64QAM	75	0	20.77	20.72	20.58	20
15	256QAM	1	0	18.67	18.83	18.70	
15	256QAM	1	37	18.24	18.43	18.25	
15	256QAM	1	74	18.55	18.71	18.45	20
15	256QAM	36	0	18.50	18.59	18.53	
15	256QAM	36	20	18.25	18.54	18.41	



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15	256QAM	36	39	18.33	18.49	18.36	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.68	18.49	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.79	23.69	25
10	QPSK	1	25	23.79	23.75	23.52	
10	QPSK	1	49	23.61	23.62	23.60	
10	QPSK	25	0	22.71	22.73	22.64	24
10	QPSK	25	12	22.76	22.77	22.56	
10	QPSK	25	25	22.81	22.73	22.70	
10	QPSK	50	0	22.61	22.56	22.61	
10	16QAM	1	0	22.95	23.03	22.99	24
10	16QAM	1	25	22.88	23.12	22.88	
10	16QAM	1	49	22.96	23.09	22.95	
10	16QAM	25	0	21.82	21.82	21.60	23
10	16QAM	25	12	21.74	21.63	21.66	
10	16QAM	25	25	21.65	21.63	21.48	
10	16QAM	50	0	21.55	21.78	21.63	
10	64QAM	1	0	22.08	21.97	22.01	23
10	64QAM	1	25	22.04	22.14	21.77	
10	64QAM	1	49	21.85	21.90	21.89	
10	64QAM	25	0	20.73	20.76	20.62	22
10	64QAM	25	12	20.65	20.73	20.62	
10	64QAM	25	25	20.67	20.74	20.51	
10	64QAM	50	0	20.62	20.67	20.49	
10	256QAM	1	0	18.62	18.89	18.89	20
10	256QAM	1	25	18.17	18.36	18.29	
10	256QAM	1	49	18.40	18.77	18.60	
10	256QAM	25	0	18.48	18.68	18.49	20
10	256QAM	25	12	18.36	18.53	18.49	
10	256QAM	25	25	18.33	18.58	18.35	
10	256QAM	50	0	18.24	18.59	18.58	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.86	23.78	23.79	25
5	QPSK	1	12	23.72	23.67	23.40	
5	QPSK	1	24	23.57	23.75	23.61	
5	QPSK	12	0	22.58	22.78	22.67	24
5	QPSK	12	7	22.69	22.77	22.50	
5	QPSK	12	13	22.81	22.71	22.62	
5	QPSK	25	0	22.60	22.54	22.75	
5	16QAM	1	0	23.06	23.01	22.96	24
5	16QAM	1	12	22.92	23.16	22.87	
5	16QAM	1	24	22.95	23.15	22.88	
5	16QAM	12	0	21.72	21.68	21.73	23
5	16QAM	12	7	21.77	21.73	21.72	
5	16QAM	12	13	21.68	21.66	21.58	
5	16QAM	25	0	21.69	21.71	21.55	
5	64QAM	1	0	22.19	22.01	21.90	23
5	64QAM	1	12	22.10	22.02	21.88	
5	64QAM	1	24	21.97	21.95	21.73	
5	64QAM	12	0	20.81	20.66	20.60	22
5	64QAM	12	7	20.69	20.59	20.66	
5	64QAM	12	13	20.69	20.69	20.51	
5	64QAM	25	0	20.70	20.64	20.66	
5	256QAM	1	0	18.69	18.88	18.77	20
5	256QAM	1	12	18.18	18.38	18.22	
5	256QAM	1	24	18.53	18.76	18.45	
5	256QAM	12	0	18.48	18.68	18.55	20
5	256QAM	12	7	18.37	18.58	18.40	
5	256QAM	12	13	18.35	18.56	18.45	
5	256QAM	25	0	18.24	18.55	18.42	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.84	23.68	23.68	25
3	QPSK	1	8	23.74	23.77	23.48	
3	QPSK	1	14	23.59	23.68	23.51	
3	QPSK	8	0	22.61	22.66	22.59	24
3	QPSK	8	4	22.67	22.77	22.58	
3	QPSK	8	7	22.70	22.81	22.67	
3	QPSK	15	0	22.65	22.68	22.68	24
3	16QAM	1	0	23.08	22.98	23.02	
3	16QAM	1	8	22.92	23.07	22.94	
3	16QAM	1	14	23.00	23.07	22.93	23
3	16QAM	8	0	21.81	21.73	21.64	
3	16QAM	8	4	21.60	21.71	21.56	
3	16QAM	8	7	21.72	21.77	21.58	23
3	16QAM	15	0	21.60	21.73	21.50	
3	64QAM	1	0	22.18	21.98	22.00	
3	64QAM	1	8	22.04	21.98	21.71	22
3	64QAM	1	14	22.01	21.93	21.83	
3	64QAM	8	0	20.64	20.74	20.71	
3	64QAM	8	4	20.70	20.78	20.56	20
3	64QAM	8	7	20.73	20.76	20.62	
3	64QAM	15	0	20.60	20.62	20.63	
3	256QAM	1	0	18.75	18.93	18.72	20
3	256QAM	1	8	18.17	18.44	18.14	
3	256QAM	1	14	18.40	18.69	18.56	
3	256QAM	8	0	18.45	18.65	18.60	20
3	256QAM	8	4	18.36	18.67	18.44	
3	256QAM	8	7	18.47	18.61	18.37	
3	256QAM	15	0	18.36	18.52	18.57	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.91	23.76	23.82	25
1.4	QPSK	1	3	23.81	23.72	23.46	
1.4	QPSK	1	5	23.67	23.63	23.65	
1.4	QPSK	3	0	23.90	23.78	23.80	24
1.4	QPSK	3	1	23.72	23.72	23.37	
1.4	QPSK	3	3	23.60	23.75	23.65	
1.4	QPSK	6	0	22.58	22.85	22.55	24
1.4	16QAM	1	0	22.79	22.76	22.59	
1.4	16QAM	1	3	22.80	22.73	22.72	
1.4	16QAM	1	5	22.70	22.61	22.61	23
1.4	16QAM	3	0	23.06	23.17	22.97	
1.4	16QAM	3	1	22.86	23.15	23.04	
1.4	16QAM	3	3	22.89	23.04	22.79	23
1.4	16QAM	6	0	21.81	21.85	21.65	
1.4	64QAM	1	0	21.62	21.63	21.61	
1.4	64QAM	1	3	21.76	21.71	21.49	23
1.4	64QAM	1	5	21.52	21.84	21.52	
1.4	64QAM	3	0	22.24	22.02	21.91	
1.4	64QAM	3	1	22.00	22.08	21.77	22
1.4	64QAM	3	3	21.89	21.93	21.70	
1.4	64QAM	6	0	20.80	20.78	20.54	
1.4	256QAM	1	0	18.73	18.96	18.71	20
1.4	256QAM	1	3	18.21	18.39	18.20	
1.4	256QAM	1	5	18.41	18.65	18.50	
1.4	256QAM	3	0	18.37	18.58	18.65	20
1.4	256QAM	3	1	18.27	18.56	18.37	
1.4	256QAM	3	3	18.46	18.55	18.47	
1.4	256QAM	6	0	18.32	18.56	18.51	20



<LTE Band 25_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.68	17.74	17.62	
20	QPSK	1	49	17.63	17.61	17.54	18.1
20	QPSK	1	99	17.62	17.53	17.48	
20	QPSK	50	0	17.34	17.34	17.25	
20	QPSK	50	24	17.28	17.32	17.22	18.1
20	QPSK	50	50	17.30	17.29	17.21	
20	QPSK	100	0	17.32	17.34	17.26	
20	16QAM	1	0	17.38	17.37	17.25	18.1
20	16QAM	1	49	17.08	17.07	17.01	
20	16QAM	1	99	17.29	17.27	17.18	
20	16QAM	50	0	17.32	17.37	17.29	18.1
20	16QAM	50	24	17.32	17.37	17.28	
20	16QAM	50	50	17.32	17.32	17.22	
20	16QAM	100	0	17.33	17.38	17.29	18.1
20	64QAM	1	0	17.63	17.57	17.40	
20	64QAM	1	49	17.50	17.58	17.59	
20	64QAM	1	99	17.56	17.49	17.36	18.1
20	64QAM	50	0	17.36	17.40	17.30	
20	64QAM	50	24	17.33	17.33	17.30	
20	64QAM	50	50	17.34	17.37	17.26	18.1
20	64QAM	100	0	17.33	17.34	17.29	
20	256QAM	1	0	17.46	17.33	17.18	
20	256QAM	1	49	17.35	17.43	17.36	18.1
20	256QAM	1	99	17.38	17.24	17.15	
20	256QAM	50	0	17.17	17.20	17.07	
20	256QAM	50	24	17.15	17.15	17.06	18.1
20	256QAM	50	50	17.18	17.18	17.03	
20	256QAM	100	0	17.18	17.09	17.12	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.55	17.59	17.51	
15	QPSK	1	37	17.44	17.42	17.34	18.1
15	QPSK	1	74	17.50	17.41	17.29	
15	QPSK	36	0	17.15	17.17	17.13	
15	QPSK	36	20	17.17	17.20	17.03	18.1
15	QPSK	36	39	17.19	17.15	17.07	
15	QPSK	75	0	17.20	17.21	17.07	
15	16QAM	1	0	17.22	17.21	17.11	18.1
15	16QAM	1	37	16.89	16.92	16.87	
15	16QAM	1	74	17.19	17.14	16.99	
15	16QAM	36	0	17.21	17.25	17.13	18.1
15	16QAM	36	20	17.21	17.25	17.08	
15	16QAM	36	39	17.17	17.14	17.12	
15	16QAM	75	0	17.21	17.28	17.19	18.1
15	64QAM	1	0	17.52	17.42	17.29	
15	64QAM	1	37	17.32	17.45	17.40	
15	64QAM	1	74	17.45	17.31	17.17	18.1
15	64QAM	36	0	17.17	17.23	17.12	
15	64QAM	36	20	17.14	17.15	17.13	
15	64QAM	36	39	17.14	17.18	17.15	18.1
15	64QAM	75	0	17.20	17.18	17.13	
15	256QAM	1	0	17.46	17.33	17.18	
15	256QAM	1	37	17.29	17.36	17.39	18.1
15	256QAM	1	74	17.37	17.27	17.17	
15	256QAM	36	0	17.14	17.25	17.05	
15	256QAM	36	20	17.18	17.17	17.05	18.1



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15	256QAM	36	39	17.18	17.20	17.11	Tune-up limit (dBm)
15	256QAM	75	0	17.14	17.14	17.06	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	17.54	17.61	17.44	18.1
10	QPSK	1	25	17.43	17.46	17.36	
10	QPSK	1	49	17.52	17.36	17.28	
10	QPSK	25	0	17.21	17.16	17.07	18.1
10	QPSK	25	12	17.08	17.14	17.05	
10	QPSK	25	25	17.19	17.11	17.06	
10	QPSK	50	0	17.15	17.23	17.11	
10	16QAM	1	0	17.19	17.21	17.06	18.1
10	16QAM	1	25	16.98	16.94	16.88	
10	16QAM	1	49	17.16	17.11	16.99	
10	16QAM	25	0	17.18	17.18	17.16	18.1
10	16QAM	25	12	17.18	17.24	17.09	
10	16QAM	25	25	17.21	17.16	17.07	
10	16QAM	50	0	17.20	17.24	17.19	
10	64QAM	1	0	17.46	17.43	17.27	18.1
10	64QAM	1	25	17.39	17.45	17.45	
10	64QAM	1	49	17.39	17.33	17.16	
10	64QAM	25	0	17.16	17.30	17.11	18.1
10	64QAM	25	12	17.23	17.21	17.10	
10	64QAM	25	25	17.23	17.27	17.13	
10	64QAM	50	0	17.23	17.14	17.11	
10	256QAM	1	0	17.48	17.42	17.18	18.1
10	256QAM	1	25	17.33	17.38	17.34	
10	256QAM	1	49	17.31	17.29	17.12	
10	256QAM	25	0	17.17	17.20	17.05	18.1
10	256QAM	25	12	17.16	17.18	17.12	
10	256QAM	25	25	17.10	17.20	17.02	
10	256QAM	50	0	17.08	17.15	17.14	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	17.53	17.60	17.52	18.1
5	QPSK	1	12	17.50	17.41	17.41	
5	QPSK	1	24	17.45	17.39	17.32	
5	QPSK	12	0	17.18	17.17	17.13	18.1
5	QPSK	12	7	17.10	17.21	17.04	
5	QPSK	12	13	17.20	17.17	17.06	
5	QPSK	25	0	17.13	17.21	17.16	
5	16QAM	1	0	17.20	17.19	17.07	18.1
5	16QAM	1	12	16.94	16.89	16.82	
5	16QAM	1	24	17.16	17.11	17.06	
5	16QAM	12	0	17.20	17.22	17.10	18.1
5	16QAM	12	7	17.12	17.26	17.10	
5	16QAM	12	13	17.13	17.21	17.06	
5	16QAM	25	0	17.13	17.24	17.18	
5	64QAM	1	0	17.43	17.45	17.28	18.1
5	64QAM	1	12	17.36	17.48	17.44	
5	64QAM	1	24	17.39	17.34	17.21	
5	64QAM	12	0	17.24	17.20	17.15	18.1
5	64QAM	12	7	17.16	17.13	17.14	
5	64QAM	12	13	17.23	17.22	17.14	
5	64QAM	25	0	17.16	17.20	17.14	
5	256QAM	1	0	17.48	17.40	17.24	18.1
5	256QAM	1	12	17.30	17.34	17.43	
5	256QAM	1	24	17.40	17.28	17.14	
5	256QAM	12	0	17.20	17.21	17.14	18.1
5	256QAM	12	7	17.12	17.12	17.05	
5	256QAM	12	13	17.14	17.16	17.05	
5	256QAM	25	0	17.09	17.13	17.09	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	17.51	17.61	17.51	18.1
3	QPSK	1	8	17.43	17.47	17.38	
3	QPSK	1	14	17.43	17.38	17.28	
3	QPSK	8	0	17.20	17.21	17.15	18.1
3	QPSK	8	4	17.15	17.12	17.07	
3	QPSK	8	7	17.10	17.19	17.04	
3	QPSK	15	0	17.17	17.20	17.16	18.1
3	16QAM	1	0	17.25	17.20	17.10	
3	16QAM	1	8	16.94	16.97	16.85	
3	16QAM	1	14	17.13	17.15	17.03	18.1
3	16QAM	8	0	17.21	17.21	17.11	
3	16QAM	8	4	17.16	17.22	17.10	
3	16QAM	8	7	17.14	17.16	17.02	18.1
3	16QAM	15	0	17.18	17.26	17.15	
3	64QAM	1	0	17.47	17.45	17.22	
3	64QAM	1	8	17.37	17.44	17.48	18.1
3	64QAM	1	14	17.37	17.30	17.16	
3	64QAM	8	0	17.23	17.24	17.11	
3	64QAM	8	4	17.14	17.13	17.13	18.1
3	64QAM	8	7	17.16	17.23	17.14	
3	64QAM	15	0	17.22	17.15	17.13	
3	256QAM	1	0	17.38	17.34	17.22	18.1
3	256QAM	1	8	17.27	17.39	17.44	
3	256QAM	1	14	17.33	17.32	17.19	
3	256QAM	8	0	17.20	17.21	17.07	18.1
3	256QAM	8	4	17.15	17.16	17.11	
3	256QAM	8	7	17.19	17.13	17.06	
3	256QAM	15	0	17.08	17.15	17.11	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	18.1
1.4	QPSK	1	0	17.55	17.63	17.46	
1.4	QPSK	1	3	17.52	17.50	17.34	
1.4	QPSK	1	5	17.49	17.41	17.36	18.1
1.4	QPSK	3	0	17.16	17.17	17.13	
1.4	QPSK	3	1	17.13	17.22	17.02	
1.4	QPSK	3	3	17.11	17.14	17.01	18.1
1.4	QPSK	6	0	17.21	17.20	17.16	
1.4	16QAM	1	0	17.22	17.17	17.09	
1.4	16QAM	1	3	16.93	16.89	16.82	18.1
1.4	16QAM	1	5	17.19	17.17	16.99	
1.4	16QAM	3	0	17.19	17.27	17.11	
1.4	16QAM	3	1	17.13	17.23	17.17	18.1
1.4	16QAM	3	3	17.19	17.19	17.08	
1.4	16QAM	6	0	17.20	17.19	17.10	
1.4	64QAM	1	0	17.50	17.44	17.26	18.1
1.4	64QAM	1	3	17.30	17.48	17.40	
1.4	64QAM	1	5	17.45	17.35	17.17	
1.4	64QAM	3	0	17.21	17.28	17.20	18.1
1.4	64QAM	3	1	17.22	17.21	17.14	
1.4	64QAM	3	3	17.22	17.20	17.13	
1.4	64QAM	6	0	17.23	17.20	17.12	18.1
1.4	256QAM	1	0	17.39	17.36	17.25	
1.4	256QAM	1	3	17.26	17.40	17.39	
1.4	256QAM	1	5	17.35	17.30	17.14	18.1
1.4	256QAM	3	0	17.13	17.19	17.12	
1.4	256QAM	3	1	17.16	17.09	17.13	
1.4	256QAM	3	3	17.19	17.13	17.05	18.1
1.4	256QAM	6	0	17.10	17.18	17.09	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.02	23.22	23.33	
20	QPSK	1	49	23.21	23.15	23.13	23.6
20	QPSK	1	99	23.29	23.23	22.95	
20	QPSK	50	0	22.98	22.96	22.99	
20	QPSK	50	24	22.93	22.94	22.82	23.6
20	QPSK	50	50	22.94	22.94	22.95	
20	QPSK	100	0	22.95	22.99	23.00	
20	16QAM	1	0	23.03	23.07	22.89	23.6
20	16QAM	1	49	22.90	22.77	22.61	
20	16QAM	1	99	22.88	22.97	22.77	
20	16QAM	50	0	21.99	22.02	21.86	23
20	16QAM	50	24	21.95	22.00	21.91	
20	16QAM	50	50	21.91	22.00	21.81	
20	16QAM	100	0	21.96	22.03	21.82	23
20	64QAM	1	0	22.30	22.19	22.01	
20	64QAM	1	49	22.24	22.36	22.07	
20	64QAM	1	99	22.13	22.20	22.04	22
20	64QAM	50	0	21.03	21.07	20.94	
20	64QAM	50	24	20.96	21.04	20.90	
20	64QAM	50	50	21.00	21.05	20.89	20
20	64QAM	100	0	21.03	21.02	20.93	
20	256QAM	1	0	18.54	18.64	18.53	
20	256QAM	1	49	18.55	18.70	18.60	20
20	256QAM	1	99	18.54	18.71	18.55	
20	256QAM	50	0	18.31	18.42	18.31	
20	256QAM	50	24	18.23	18.39	18.25	20
20	256QAM	50	50	18.24	18.44	18.24	
20	256QAM	100	0	18.39	18.50	18.33	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.22	23.08	22.84	
15	QPSK	1	37	23.03	22.96	23.03	23.6
15	QPSK	1	74	23.18	23.08	22.84	
15	QPSK	36	0	22.80	22.79	22.75	
15	QPSK	36	20	22.82	22.77	22.72	23.6
15	QPSK	36	39	22.75	22.81	22.71	
15	QPSK	75	0	22.81	22.82	22.65	
15	16QAM	1	0	22.83	22.96	22.79	23.6
15	16QAM	1	37	22.73	22.67	22.48	
15	16QAM	1	74	22.69	22.77	22.60	
15	16QAM	36	0	21.81	21.89	21.74	23
15	16QAM	36	20	21.79	21.87	21.78	
15	16QAM	36	39	21.77	21.83	21.63	
15	16QAM	75	0	21.86	21.87	21.62	23
15	64QAM	1	0	22.18	22.02	21.81	
15	64QAM	1	37	22.05	22.20	21.94	
15	64QAM	1	74	21.98	22.00	21.90	22
15	64QAM	36	0	20.89	20.92	20.75	
15	64QAM	36	20	20.82	20.94	20.79	
15	64QAM	36	39	20.86	20.91	20.77	20
15	64QAM	75	0	20.84	20.89	20.80	
15	256QAM	1	0	18.36	18.51	18.43	
15	256QAM	1	37	18.39	18.57	18.49	20
15	256QAM	1	74	18.34	18.54	18.44	
15	256QAM	36	0	18.11	18.27	18.18	
15	256QAM	36	20	18.13	18.25	18.09	20



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15	256QAM	36	39	18.07	18.32	18.08	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.30	18.18	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.19	23.03	22.89	23.6
10	QPSK	1	25	23.01	23.04	23.03	
10	QPSK	1	49	23.15	23.04	22.80	
10	QPSK	25	0	22.88	22.80	22.72	23.6
10	QPSK	25	12	22.75	22.82	22.65	
10	QPSK	25	25	22.79	22.78	22.71	
10	QPSK	50	0	22.84	22.81	22.71	
10	16QAM	1	0	22.87	22.87	22.76	23.6
10	16QAM	1	25	22.72	22.63	22.49	
10	16QAM	1	49	22.71	22.86	22.66	
10	16QAM	25	0	21.83	21.82	21.72	23
10	16QAM	25	12	21.79	21.80	21.72	
10	16QAM	25	25	21.71	21.87	21.70	
10	16QAM	50	0	21.86	21.93	21.71	
10	64QAM	1	0	22.13	22.03	21.86	23
10	64QAM	1	25	22.07	22.19	21.94	
10	64QAM	1	49	22.01	22.10	21.92	
10	64QAM	25	0	20.83	20.92	20.74	22
10	64QAM	25	12	20.79	20.84	20.70	
10	64QAM	25	25	20.82	20.89	20.69	
10	64QAM	50	0	20.86	20.88	20.76	
10	256QAM	1	0	18.35	18.53	18.36	20
10	256QAM	1	25	18.43	18.55	18.44	
10	256QAM	1	49	18.42	18.60	18.44	
10	256QAM	25	0	18.17	18.22	18.13	20
10	256QAM	25	12	18.08	18.27	18.11	
10	256QAM	25	25	18.10	18.26	18.07	
10	256QAM	50	0	18.20	18.36	18.15	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.13	23.06	22.89	23.6
5	QPSK	1	12	23.04	22.95	22.93	
5	QPSK	1	24	23.19	23.08	22.85	
5	QPSK	12	0	22.85	22.76	22.81	23.6
5	QPSK	12	7	22.80	22.77	22.72	
5	QPSK	12	13	22.76	22.76	22.67	
5	QPSK	25	0	22.83	22.81	22.65	
5	16QAM	1	0	22.86	22.89	22.69	23.6
5	16QAM	1	12	22.74	22.61	22.43	
5	16QAM	1	24	22.70	22.84	22.65	
5	16QAM	12	0	21.81	21.84	21.69	23
5	16QAM	12	7	21.75	21.80	21.72	
5	16QAM	12	13	21.78	21.85	21.68	
5	16QAM	25	0	21.76	21.83	21.67	
5	64QAM	1	0	22.11	22.08	21.91	23
5	64QAM	1	12	22.06	22.23	21.89	
5	64QAM	1	24	21.95	22.09	21.89	
5	64QAM	12	0	20.87	20.90	20.75	22
5	64QAM	12	7	20.82	20.86	20.75	
5	64QAM	12	13	20.87	20.88	20.73	
5	64QAM	25	0	20.88	20.89	20.83	
5	256QAM	1	0	18.40	18.53	18.36	20
5	256QAM	1	12	18.40	18.52	18.45	
5	256QAM	1	24	18.40	18.55	18.36	
5	256QAM	12	0	18.20	18.26	18.12	20
5	256QAM	12	7	18.11	18.27	18.09	
5	256QAM	12	13	18.14	18.33	18.09	
5	256QAM	25	0	18.25	18.31	18.13	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.14	23.11	22.84	23.6
3	QPSK	1	8	23.03	23.04	22.97	
3	QPSK	1	14	23.09	23.10	22.75	
3	QPSK	8	0	22.84	22.76	22.79	23.6
3	QPSK	8	4	22.82	22.83	22.72	
3	QPSK	8	7	22.83	22.75	22.72	
3	QPSK	15	0	22.83	22.81	22.62	
3	16QAM	1	0	22.88	22.89	22.72	23.6
3	16QAM	1	8	22.73	22.67	22.44	
3	16QAM	1	14	22.72	22.83	22.66	
3	16QAM	8	0	21.87	21.85	21.73	23
3	16QAM	8	4	21.84	21.85	21.76	
3	16QAM	8	7	21.80	21.88	21.66	
3	16QAM	15	0	21.85	21.89	21.69	
3	64QAM	1	0	22.16	22.09	21.88	23
3	64QAM	1	8	22.08	22.20	21.94	
3	64QAM	1	14	22.03	22.00	21.94	
3	64QAM	8	0	20.92	20.96	20.81	22
3	64QAM	8	4	20.82	20.92	20.75	
3	64QAM	8	7	20.81	20.86	20.69	
3	64QAM	15	0	20.83	20.88	20.82	
3	256QAM	1	0	18.42	18.52	18.42	20
3	256QAM	1	8	18.37	18.57	18.45	
3	256QAM	1	14	18.43	18.59	18.38	
3	256QAM	8	0	18.16	18.28	18.13	20
3	256QAM	8	4	18.03	18.29	18.14	
3	256QAM	8	7	18.04	18.25	18.05	
3	256QAM	15	0	18.26	18.35	18.23	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.16	23.09	22.91	23.6
1.4	QPSK	1	3	23.04	22.95	23.00	
1.4	QPSK	1	5	23.13	23.08	22.80	
1.4	QPSK	3	0	22.85	22.86	22.79	
1.4	QPSK	3	1	22.73	22.76	22.63	
1.4	QPSK	3	3	22.82	22.82	22.64	
1.4	QPSK	6	0	22.84	22.89	22.72	23.6
1.4	16QAM	1	0	22.88	22.91	22.73	23.6
1.4	16QAM	1	3	22.76	22.58	22.47	
1.4	16QAM	1	5	22.78	22.79	22.59	
1.4	16QAM	3	0	21.86	21.83	21.70	
1.4	16QAM	3	1	21.84	21.82	21.71	
1.4	16QAM	3	3	21.80	21.90	21.71	
1.4	16QAM	6	0	21.77	21.86	21.68	23
1.4	64QAM	1	0	22.19	22.05	21.90	23
1.4	64QAM	1	3	22.11	22.22	21.87	
1.4	64QAM	1	5	21.97	22.03	21.91	
1.4	64QAM	3	0	20.92	20.94	20.82	
1.4	64QAM	3	1	20.85	20.92	20.71	
1.4	64QAM	3	3	20.83	20.91	20.79	
1.4	64QAM	6	0	20.86	20.89	20.75	22
1.4	256QAM	1	0	18.34	18.46	18.42	20
1.4	256QAM	1	3	18.38	18.56	18.43	
1.4	256QAM	1	5	18.40	18.52	18.36	
1.4	256QAM	3	0	18.14	18.30	18.16	
1.4	256QAM	3	1	18.09	18.25	18.06	
1.4	256QAM	3	3	18.10	18.26	18.14	
1.4	256QAM	6	0	18.27	18.32	18.22	20



<LTE Band 25_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.34	19.32	19.18	
20	QPSK	1	49	19.14	19.14	19.00	19.6
20	QPSK	1	99	19.14	19.11	18.94	
20	QPSK	50	0	19.25	19.23	19.03	
20	QPSK	50	24	19.20	19.21	19.02	19.6
20	QPSK	50	50	19.21	19.17	19.01	
20	QPSK	100	0	19.20	19.20	19.06	
20	16QAM	1	0	19.27	19.31	19.20	19.6
20	16QAM	1	49	19.18	19.26	19.13	
20	16QAM	1	99	19.24	19.33	19.10	
20	16QAM	50	0	19.21	19.22	19.03	19.6
20	16QAM	50	24	19.18	19.16	19.03	
20	16QAM	50	50	19.21	19.13	19.05	
20	16QAM	100	0	19.24	19.17	19.06	19.6
20	64QAM	1	0	19.30	19.25	19.10	
20	64QAM	1	49	19.25	19.24	19.22	
20	64QAM	1	99	19.21	19.33	19.20	19.6
20	64QAM	50	0	19.29	19.25	19.08	
20	64QAM	50	24	19.30	19.27	19.10	
20	64QAM	50	50	19.29	19.21	19.07	19.6
20	64QAM	100	0	19.21	19.20	18.99	
20	256QAM	1	0	19.26	19.23	19.08	
20	256QAM	1	49	19.32	19.27	19.17	19.6
20	256QAM	1	99	19.20	19.11	19.00	
20	256QAM	50	0	19.14	19.03	18.89	
20	256QAM	50	24	19.08	19.07	18.93	19.6
20	256QAM	50	50	19.13	19.05	18.88	
20	256QAM	100	0	19.00	18.99	18.84	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.21	19.18	19.01	
15	QPSK	1	37	18.95	18.98	18.86	19.6
15	QPSK	1	74	18.97	18.96	18.81	
15	QPSK	36	0	19.05	19.07	18.83	
15	QPSK	36	20	19.01	19.10	18.88	19.6
15	QPSK	36	39	19.07	19.00	18.89	
15	QPSK	75	0	19.00	19.00	18.86	
15	16QAM	1	0	19.13	19.13	19.00	19.6
15	16QAM	1	37	19.08	19.08	18.97	
15	16QAM	1	74	19.09	19.20	18.95	
15	16QAM	36	0	19.08	19.04	18.86	19.6
15	16QAM	36	20	19.01	18.98	18.90	
15	16QAM	36	39	19.03	19.00	18.88	
15	16QAM	75	0	19.10	19.00	18.90	19.6
15	64QAM	1	0	19.19	19.14	18.93	
15	64QAM	1	37	19.10	19.06	19.05	
15	64QAM	1	74	19.09	19.17	19.04	19.6
15	64QAM	36	0	19.19	19.07	18.91	
15	64QAM	36	20	19.12	19.07	19.00	
15	64QAM	36	39	19.18	19.01	18.97	19.6
15	64QAM	75	0	19.02	19.04	18.81	
15	256QAM	1	0	19.06	19.10	18.91	
15	256QAM	1	37	19.19	19.15	19.03	19.6
15	256QAM	1	74	19.04	18.99	18.85	
15	256QAM	36	0	19.01	18.90	18.72	
15	256QAM	36	20	18.88	18.87	18.77	19.6



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15	256QAM	36	39	18.99	18.93	18.75	
15	256QAM	75	0	18.86	18.87	18.65	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.18	19.15	19.08	19.6
10	QPSK	1	25	19.03	19.03	18.83	
10	QPSK	1	49	18.94	18.95	18.79	
10	QPSK	25	0	19.13	19.07	18.92	19.6
10	QPSK	25	12	19.01	19.11	18.89	
10	QPSK	25	25	19.05	19.01	18.82	
10	QPSK	50	0	19.09	19.01	18.88	
10	16QAM	1	0	19.11	19.14	19.07	19.6
10	16QAM	1	25	19.07	19.07	18.97	
10	16QAM	1	49	19.04	19.23	18.96	
10	16QAM	25	0	19.08	19.07	18.93	19.6
10	16QAM	25	12	19.00	19.06	18.86	
10	16QAM	25	25	19.06	18.96	18.91	
10	16QAM	50	0	19.05	19.02	18.95	
10	64QAM	1	0	19.13	19.12	18.97	19.6
10	64QAM	1	25	19.10	19.06	19.04	
10	64QAM	1	49	19.06	19.16	19.06	
10	64QAM	25	0	19.19	19.06	18.92	19.6
10	64QAM	25	12	19.17	19.15	18.94	
10	64QAM	25	25	19.14	19.10	18.89	
10	64QAM	50	0	19.09	19.06	18.83	
10	256QAM	1	0	19.13	19.08	18.89	19.6
10	256QAM	1	25	19.17	19.09	19.06	
10	256QAM	1	49	19.00	19.00	18.83	
10	256QAM	25	0	18.97	18.89	18.77	19.6
10	256QAM	25	12	18.97	18.90	18.78	
10	256QAM	25	25	19.02	18.87	18.77	
10	256QAM	50	0	18.83	18.87	18.73	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.17	19.14	18.98	19.6
5	QPSK	1	12	18.95	19.02	18.89	
5	QPSK	1	24	19.04	18.95	18.83	
5	QPSK	12	0	19.06	19.11	18.92	19.6
5	QPSK	12	7	19.02	19.11	18.82	
5	QPSK	12	13	19.02	19.01	18.88	
5	QPSK	25	0	19.09	19.04	18.94	
5	16QAM	1	0	19.15	19.12	19.08	19.6
5	16QAM	1	12	18.98	19.08	19.01	
5	16QAM	1	24	19.13	19.20	18.93	
5	16QAM	12	0	19.03	19.03	18.88	19.6
5	16QAM	12	7	19.00	19.01	18.85	
5	16QAM	12	13	19.06	19.03	18.88	
5	16QAM	25	0	19.08	19.06	18.87	
5	64QAM	1	0	19.18	19.06	18.96	19.6
5	64QAM	1	12	19.11	19.04	19.03	
5	64QAM	1	24	19.04	19.19	19.03	
5	64QAM	12	0	19.18	19.13	18.95	19.6
5	64QAM	12	7	19.13	19.16	18.98	
5	64QAM	12	13	19.19	19.01	18.97	
5	64QAM	25	0	19.06	19.08	18.81	
5	256QAM	1	0	19.11	19.03	18.97	19.6
5	256QAM	1	12	19.18	19.17	19.02	
5	256QAM	1	24	19.08	18.94	18.80	
5	256QAM	12	0	19.01	18.92	18.72	19.6
5	256QAM	12	7	18.93	18.96	18.80	
5	256QAM	12	13	19.00	18.91	18.73	
5	256QAM	25	0	18.83	18.86	18.70	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.18	19.21	19.04	19.6
3	QPSK	1	8	19.01	18.98	18.89	
3	QPSK	1	14	18.99	18.91	18.76	
3	QPSK	8	0	19.10	19.08	18.83	19.6
3	QPSK	8	4	19.07	19.02	18.82	
3	QPSK	8	7	19.04	19.06	18.86	
3	QPSK	15	0	19.02	19.02	18.87	
3	16QAM	1	0	19.16	19.17	19.02	19.6
3	16QAM	1	8	19.04	19.06	18.96	
3	16QAM	1	14	19.08	19.13	18.92	
3	16QAM	8	0	19.11	19.03	18.91	19.6
3	16QAM	8	4	19.00	18.99	18.86	
3	16QAM	8	7	19.07	19.03	18.85	
3	16QAM	15	0	19.12	19.01	18.96	
3	64QAM	1	0	19.11	19.10	18.95	19.6
3	64QAM	1	8	19.09	19.04	19.04	
3	64QAM	1	14	19.07	19.19	19.09	
3	64QAM	8	0	19.15	19.11	18.97	19.6
3	64QAM	8	4	19.13	19.13	18.97	
3	64QAM	8	7	19.10	19.08	18.91	
3	64QAM	15	0	19.11	19.09	18.88	
3	256QAM	1	0	19.07	19.07	18.93	19.6
3	256QAM	1	8	19.18	19.12	19.04	
3	256QAM	1	14	19.09	19.01	18.87	
3	256QAM	8	0	19.00	18.91	18.76	19.6
3	256QAM	8	4	18.91	18.90	18.78	
3	256QAM	8	7	18.96	18.85	18.73	
3	256QAM	15	0	18.87	18.88	18.74	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.17	19.14	18.98	19.6
1.4	QPSK	1	3	18.99	18.98	18.85	
1.4	QPSK	1	5	18.95	18.98	18.77	
1.4	QPSK	3	0	19.13	19.08	18.93	
1.4	QPSK	3	1	19.02	19.05	18.92	
1.4	QPSK	3	3	19.06	18.99	18.91	
1.4	QPSK	6	0	19.05	19.06	18.89	
1.4	16QAM	1	0	19.15	19.14	19.04	19.6
1.4	16QAM	1	3	19.04	19.06	19.01	
1.4	16QAM	1	5	19.07	19.21	18.92	
1.4	16QAM	3	0	19.11	19.05	18.89	
1.4	16QAM	3	1	19.04	19.02	18.84	
1.4	16QAM	3	3	19.04	18.93	18.87	
1.4	16QAM	6	0	19.05	19.05	18.95	19.6
1.4	64QAM	1	0	19.10	19.12	18.93	19.6
1.4	64QAM	1	3	19.09	19.09	19.10	
1.4	64QAM	1	5	19.01	19.22	19.06	
1.4	64QAM	3	0	19.16	19.13	18.98	
1.4	64QAM	3	1	19.20	19.09	19.00	
1.4	64QAM	3	3	19.14	19.08	18.97	
1.4	64QAM	6	0	19.07	19.10	18.89	19.6
1.4	256QAM	1	0	19.07	19.03	18.89	19.6
1.4	256QAM	1	3	19.13	19.07	19.02	
1.4	256QAM	1	5	19.10	18.91	18.81	
1.4	256QAM	3	0	19.03	18.87	18.73	
1.4	256QAM	3	1	18.92	18.94	18.77	
1.4	256QAM	3	3	18.96	18.85	18.73	
1.4	256QAM	6	0	18.84	18.89	18.65	19.6



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.93	23.85	23.83	
20	QPSK	1	49	23.87	23.84	23.55	25
20	QPSK	1	99	23.77	23.79	23.71	
20	QPSK	50	0	22.86	22.85	22.67	
20	QPSK	50	24	22.84	22.81	22.66	24
20	QPSK	50	50	22.85	22.84	22.74	
20	QPSK	100	0	22.79	22.70	22.76	
20	16QAM	1	0	23.08	23.18	23.06	24
20	16QAM	1	49	23.05	23.18	23.06	
20	16QAM	1	99	23.08	23.15	22.99	
20	16QAM	50	0	21.89	21.87	21.77	23
20	16QAM	50	24	21.79	21.83	21.76	
20	16QAM	50	50	21.84	21.80	21.68	
20	16QAM	100	0	21.70	21.89	21.69	23
20	64QAM	1	0	22.26	22.09	22.04	
20	64QAM	1	49	22.16	22.14	21.91	
20	64QAM	1	99	22.01	22.04	21.90	22
20	64QAM	50	0	20.81	20.84	20.74	
20	64QAM	50	24	20.80	20.79	20.66	
20	64QAM	50	50	20.75	20.80	20.71	20
20	64QAM	100	0	20.77	20.79	20.68	
20	256QAM	1	0	18.79	18.97	18.89	
20	256QAM	1	49	18.28	18.52	18.34	20
20	256QAM	1	99	18.56	18.79	18.61	
20	256QAM	50	0	18.56	18.76	18.65	20
20	256QAM	50	24	18.43	18.70	18.52	
20	256QAM	50	50	18.50	18.68	18.54	
20	256QAM	100	0	18.40	18.68	18.59	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.88	23.67	23.83	
15	QPSK	1	37	23.86	23.77	23.52	25
15	QPSK	1	74	23.69	23.63	23.67	
15	QPSK	36	0	22.74	22.81	22.58	24
15	QPSK	36	20	22.77	22.79	22.66	
15	QPSK	36	39	22.73	22.74	22.60	
15	QPSK	75	0	22.66	22.51	22.64	24
15	16QAM	1	0	23.05	22.98	23.01	
15	16QAM	1	37	22.98	23.06	22.99	
15	16QAM	1	74	22.91	23.02	22.81	23
15	16QAM	36	0	21.73	21.87	21.57	
15	16QAM	36	20	21.64	21.64	21.66	
15	16QAM	36	39	21.72	21.60	21.57	23
15	16QAM	75	0	21.64	21.69	21.60	
15	64QAM	1	0	22.09	21.95	21.94	
15	64QAM	1	37	22.10	22.02	21.81	23
15	64QAM	1	74	21.88	22.04	21.71	
15	64QAM	36	0	20.71	20.83	20.72	22
15	64QAM	36	20	20.66	20.73	20.60	
15	64QAM	36	39	20.64	20.69	20.66	
15	64QAM	75	0	20.77	20.72	20.58	20
15	256QAM	1	0	18.67	18.83	18.70	
15	256QAM	1	37	18.24	18.43	18.25	
15	256QAM	1	74	18.55	18.71	18.45	20
15	256QAM	36	0	18.50	18.59	18.53	
15	256QAM	36	20	18.25	18.54	18.41	



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15	256QAM	36	39	18.33	18.49	18.36	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.68	18.49	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.79	23.69	25
10	QPSK	1	25	23.79	23.75	23.52	
10	QPSK	1	49	23.61	23.62	23.60	
10	QPSK	25	0	22.71	22.73	22.64	24
10	QPSK	25	12	22.76	22.77	22.56	
10	QPSK	25	25	22.81	22.73	22.70	
10	QPSK	50	0	22.61	22.56	22.61	
10	16QAM	1	0	22.95	23.03	22.99	24
10	16QAM	1	25	22.88	23.12	22.88	
10	16QAM	1	49	22.96	23.09	22.95	
10	16QAM	25	0	21.82	21.82	21.60	23
10	16QAM	25	12	21.74	21.63	21.66	
10	16QAM	25	25	21.65	21.63	21.48	
10	16QAM	50	0	21.55	21.78	21.63	
10	64QAM	1	0	22.08	21.97	22.01	23
10	64QAM	1	25	22.04	22.14	21.77	
10	64QAM	1	49	21.85	21.90	21.89	
10	64QAM	25	0	20.73	20.76	20.62	22
10	64QAM	25	12	20.65	20.73	20.62	
10	64QAM	25	25	20.67	20.74	20.51	
10	64QAM	50	0	20.62	20.67	20.49	
10	256QAM	1	0	18.62	18.89	18.89	20
10	256QAM	1	25	18.17	18.36	18.29	
10	256QAM	1	49	18.40	18.77	18.60	
10	256QAM	25	0	18.48	18.68	18.49	20
10	256QAM	25	12	18.36	18.53	18.49	
10	256QAM	25	25	18.33	18.58	18.35	
10	256QAM	50	0	18.24	18.59	18.58	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.86	23.78	23.79	25
5	QPSK	1	12	23.72	23.67	23.40	
5	QPSK	1	24	23.57	23.75	23.61	
5	QPSK	12	0	22.58	22.78	22.67	24
5	QPSK	12	7	22.69	22.77	22.50	
5	QPSK	12	13	22.81	22.71	22.62	
5	QPSK	25	0	22.60	22.54	22.75	
5	16QAM	1	0	23.06	23.01	22.96	24
5	16QAM	1	12	22.92	23.16	22.87	
5	16QAM	1	24	22.95	23.15	22.88	
5	16QAM	12	0	21.72	21.68	21.73	23
5	16QAM	12	7	21.77	21.73	21.72	
5	16QAM	12	13	21.68	21.66	21.58	
5	16QAM	25	0	21.69	21.71	21.55	
5	64QAM	1	0	22.19	22.01	21.90	23
5	64QAM	1	12	22.10	22.02	21.88	
5	64QAM	1	24	21.97	21.95	21.73	
5	64QAM	12	0	20.81	20.66	20.60	22
5	64QAM	12	7	20.69	20.59	20.66	
5	64QAM	12	13	20.69	20.69	20.51	
5	64QAM	25	0	20.70	20.64	20.66	
5	256QAM	1	0	18.69	18.88	18.77	20
5	256QAM	1	12	18.18	18.38	18.22	
5	256QAM	1	24	18.53	18.76	18.45	
5	256QAM	12	0	18.48	18.68	18.55	20
5	256QAM	12	7	18.37	18.58	18.40	
5	256QAM	12	13	18.35	18.56	18.45	
5	256QAM	25	0	18.24	18.55	18.42	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.84	23.68	23.68	25
3	QPSK	1	8	23.74	23.77	23.48	
3	QPSK	1	14	23.59	23.68	23.51	
3	QPSK	8	0	22.61	22.66	22.59	24
3	QPSK	8	4	22.67	22.77	22.58	
3	QPSK	8	7	22.70	22.81	22.67	
3	QPSK	15	0	22.65	22.68	22.68	24
3	16QAM	1	0	23.08	22.98	23.02	
3	16QAM	1	8	22.92	23.07	22.94	
3	16QAM	1	14	23.00	23.07	22.93	23
3	16QAM	8	0	21.81	21.73	21.64	
3	16QAM	8	4	21.60	21.71	21.56	
3	16QAM	8	7	21.72	21.77	21.58	23
3	16QAM	15	0	21.60	21.73	21.50	
3	64QAM	1	0	22.18	21.98	22.00	
3	64QAM	1	8	22.04	21.98	21.71	22
3	64QAM	1	14	22.01	21.93	21.83	
3	64QAM	8	0	20.64	20.74	20.71	
3	64QAM	8	4	20.70	20.78	20.56	20
3	64QAM	8	7	20.73	20.76	20.62	
3	64QAM	15	0	20.60	20.62	20.63	
3	256QAM	1	0	18.75	18.93	18.72	20
3	256QAM	1	8	18.17	18.44	18.14	
3	256QAM	1	14	18.40	18.69	18.56	
3	256QAM	8	0	18.45	18.65	18.60	20
3	256QAM	8	4	18.36	18.67	18.44	
3	256QAM	8	7	18.47	18.61	18.37	
3	256QAM	15	0	18.36	18.52	18.57	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.91	23.76	23.82	25
1.4	QPSK	1	3	23.81	23.72	23.46	
1.4	QPSK	1	5	23.67	23.63	23.65	
1.4	QPSK	3	0	23.90	23.78	23.80	24
1.4	QPSK	3	1	23.72	23.72	23.37	
1.4	QPSK	3	3	23.60	23.75	23.65	
1.4	QPSK	6	0	22.58	22.85	22.55	24
1.4	16QAM	1	0	22.79	22.76	22.59	
1.4	16QAM	1	3	22.80	22.73	22.72	
1.4	16QAM	1	5	22.70	22.61	22.61	23
1.4	16QAM	3	0	23.06	23.17	22.97	
1.4	16QAM	3	1	22.86	23.15	23.04	
1.4	16QAM	3	3	22.89	23.04	22.79	23
1.4	16QAM	6	0	21.81	21.85	21.65	
1.4	64QAM	1	0	21.62	21.63	21.61	
1.4	64QAM	1	3	21.76	21.71	21.49	23
1.4	64QAM	1	5	21.52	21.84	21.52	
1.4	64QAM	3	0	22.24	22.02	21.91	
1.4	64QAM	3	1	22.00	22.08	21.77	22
1.4	64QAM	3	3	21.89	21.93	21.70	
1.4	64QAM	6	0	20.80	20.78	20.54	
1.4	256QAM	1	0	18.73	18.96	18.71	20
1.4	256QAM	1	3	18.21	18.39	18.20	
1.4	256QAM	1	5	18.41	18.65	18.50	
1.4	256QAM	3	0	18.37	18.58	18.65	20
1.4	256QAM	3	1	18.27	18.56	18.37	
1.4	256QAM	3	3	18.46	18.55	18.47	
1.4	256QAM	6	0	18.32	18.56	18.51	20



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	18.68	18.74	18.62	
20	QPSK	1	49	18.63	18.61	18.54	19.6
20	QPSK	1	99	18.62	18.53	18.48	
20	QPSK	50	0	18.34	18.34	18.25	
20	QPSK	50	24	18.28	18.32	18.22	19.6
20	QPSK	50	50	18.30	18.29	18.21	
20	QPSK	100	0	18.32	18.34	18.26	
20	16QAM	1	0	18.38	18.37	18.25	19.6
20	16QAM	1	49	18.08	18.07	18.01	
20	16QAM	1	99	18.29	18.27	18.18	
20	16QAM	50	0	18.32	18.37	18.29	19.6
20	16QAM	50	24	18.32	18.37	18.28	
20	16QAM	50	50	18.32	18.32	18.22	
20	16QAM	100	0	18.33	18.38	18.29	19.6
20	64QAM	1	0	18.63	18.57	18.40	
20	64QAM	1	49	18.50	18.58	18.59	
20	64QAM	1	99	18.56	18.49	18.36	19.6
20	64QAM	50	0	18.36	18.40	18.30	
20	64QAM	50	24	18.33	18.33	18.30	
20	64QAM	50	50	18.34	18.37	18.26	19.6
20	64QAM	100	0	18.33	18.34	18.29	
20	256QAM	1	0	18.46	18.33	18.18	
20	256QAM	1	49	18.35	18.43	18.36	19.6
20	256QAM	1	99	18.38	18.24	18.15	
20	256QAM	50	0	18.17	18.20	18.07	
20	256QAM	50	24	18.15	18.15	18.06	19.6
20	256QAM	50	50	18.18	18.18	18.03	
20	256QAM	100	0	18.18	18.09	18.12	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.55	18.59	18.51	
15	QPSK	1	37	18.44	18.42	18.34	19.6
15	QPSK	1	74	18.50	18.41	18.29	
15	QPSK	36	0	18.15	18.17	18.13	19.6
15	QPSK	36	20	18.17	18.20	18.03	
15	QPSK	36	39	18.19	18.15	18.07	
15	QPSK	75	0	18.20	18.21	18.07	19.6
15	16QAM	1	0	18.22	18.21	18.11	
15	16QAM	1	37	17.89	17.92	17.87	
15	16QAM	1	74	18.19	18.14	17.99	19.6
15	16QAM	36	0	18.21	18.25	18.13	
15	16QAM	36	20	18.21	18.25	18.08	
15	16QAM	36	39	18.17	18.14	18.12	19.6
15	16QAM	75	0	18.21	18.28	18.19	
15	64QAM	1	0	18.52	18.42	18.29	
15	64QAM	1	37	18.32	18.45	18.40	19.6
15	64QAM	1	74	18.45	18.31	18.17	
15	64QAM	36	0	18.17	18.23	18.12	
15	64QAM	36	20	18.14	18.15	18.13	19.6
15	64QAM	36	39	18.14	18.18	18.15	
15	64QAM	75	0	18.20	18.18	18.13	
15	256QAM	1	0	18.46	18.33	18.18	19.6
15	256QAM	1	37	18.29	18.36	18.39	
15	256QAM	1	74	18.37	18.27	18.17	
15	256QAM	36	0	18.14	18.25	18.05	19.6
15	256QAM	36	20	18.18	18.17	18.05	



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15	256QAM	36	39	18.18	18.20	18.11	Tune-up limit (dBm)
15	256QAM	75	0	18.14	18.14	18.06	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	18.54	18.61	18.44	19.6
10	QPSK	1	25	18.43	18.46	18.36	
10	QPSK	1	49	18.52	18.36	18.28	
10	QPSK	25	0	18.21	18.16	18.07	19.6
10	QPSK	25	12	18.08	18.14	18.05	
10	QPSK	25	25	18.19	18.11	18.06	
10	QPSK	50	0	18.15	18.23	18.11	
10	16QAM	1	0	18.19	18.21	18.06	19.6
10	16QAM	1	25	17.98	17.94	17.88	
10	16QAM	1	49	18.16	18.11	17.99	
10	16QAM	25	0	18.18	18.18	18.16	19.6
10	16QAM	25	12	18.18	18.24	18.09	
10	16QAM	25	25	18.21	18.16	18.07	
10	16QAM	50	0	18.20	18.24	18.19	
10	64QAM	1	0	18.46	18.43	18.27	19.6
10	64QAM	1	25	18.39	18.45	18.45	
10	64QAM	1	49	18.39	18.33	18.16	
10	64QAM	25	0	18.16	18.30	18.11	19.6
10	64QAM	25	12	18.23	18.21	18.10	
10	64QAM	25	25	18.23	18.27	18.13	
10	64QAM	50	0	18.23	18.14	18.11	
10	256QAM	1	0	18.48	18.42	18.18	19.6
10	256QAM	1	25	18.33	18.38	18.34	
10	256QAM	1	49	18.31	18.29	18.12	
10	256QAM	25	0	18.17	18.20	18.05	19.6
10	256QAM	25	12	18.16	18.18	18.12	
10	256QAM	25	25	18.10	18.20	18.02	
10	256QAM	50	0	18.08	18.15	18.14	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	18.53	18.60	18.52	19.6
5	QPSK	1	12	18.50	18.41	18.41	
5	QPSK	1	24	18.45	18.39	18.32	
5	QPSK	12	0	18.18	18.17	18.13	19.6
5	QPSK	12	7	18.10	18.21	18.04	
5	QPSK	12	13	18.20	18.17	18.06	
5	QPSK	25	0	18.13	18.21	18.16	
5	16QAM	1	0	18.20	18.19	18.07	19.6
5	16QAM	1	12	17.94	17.89	17.82	
5	16QAM	1	24	18.16	18.11	18.06	
5	16QAM	12	0	18.20	18.22	18.10	19.6
5	16QAM	12	7	18.12	18.26	18.10	
5	16QAM	12	13	18.13	18.21	18.06	
5	16QAM	25	0	18.13	18.24	18.18	
5	64QAM	1	0	18.43	18.45	18.28	19.6
5	64QAM	1	12	18.36	18.48	18.44	
5	64QAM	1	24	18.39	18.34	18.21	
5	64QAM	12	0	18.24	18.20	18.15	19.6
5	64QAM	12	7	18.16	18.13	18.14	
5	64QAM	12	13	18.23	18.22	18.14	
5	64QAM	25	0	18.16	18.20	18.14	
5	256QAM	1	0	18.48	18.40	18.24	19.6
5	256QAM	1	12	18.30	18.34	18.43	
5	256QAM	1	24	18.40	18.28	18.14	
5	256QAM	12	0	18.20	18.21	18.14	19.6
5	256QAM	12	7	18.12	18.12	18.05	
5	256QAM	12	13	18.14	18.16	18.05	
5	256QAM	25	0	18.09	18.13	18.09	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	18.51	18.61	18.51	19.6
3	QPSK	1	8	18.43	18.47	18.38	
3	QPSK	1	14	18.43	18.38	18.28	
3	QPSK	8	0	18.20	18.21	18.15	19.6
3	QPSK	8	4	18.15	18.12	18.07	
3	QPSK	8	7	18.10	18.19	18.04	
3	QPSK	15	0	18.17	18.20	18.16	19.6
3	16QAM	1	0	18.25	18.20	18.10	
3	16QAM	1	8	17.94	17.97	17.85	
3	16QAM	1	14	18.13	18.15	18.03	19.6
3	16QAM	8	0	18.21	18.21	18.11	
3	16QAM	8	4	18.16	18.22	18.10	
3	16QAM	8	7	18.14	18.16	18.02	19.6
3	16QAM	15	0	18.18	18.26	18.15	
3	64QAM	1	0	18.47	18.45	18.22	
3	64QAM	1	8	18.37	18.44	18.48	19.6
3	64QAM	1	14	18.37	18.30	18.16	
3	64QAM	8	0	18.23	18.24	18.11	
3	64QAM	8	4	18.14	18.13	18.13	19.6
3	64QAM	8	7	18.16	18.23	18.14	
3	64QAM	15	0	18.22	18.15	18.13	
3	256QAM	1	0	18.38	18.34	18.22	19.6
3	256QAM	1	8	18.27	18.39	18.44	
3	256QAM	1	14	18.33	18.32	18.19	
3	256QAM	8	0	18.20	18.21	18.07	19.6
3	256QAM	8	4	18.15	18.16	18.11	
3	256QAM	8	7	18.19	18.13	18.06	
3	256QAM	15	0	18.08	18.15	18.11	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	19.6
1.4	QPSK	1	0	18.55	18.63	18.46	
1.4	QPSK	1	3	18.52	18.50	18.34	
1.4	QPSK	1	5	18.49	18.41	18.36	19.6
1.4	QPSK	3	0	18.16	18.17	18.13	
1.4	QPSK	3	1	18.13	18.22	18.02	
1.4	QPSK	3	3	18.11	18.14	18.01	19.6
1.4	QPSK	6	0	18.21	18.20	18.16	
1.4	16QAM	1	0	18.22	18.17	18.09	
1.4	16QAM	1	3	17.93	17.89	17.82	19.6
1.4	16QAM	1	5	18.19	18.17	17.99	
1.4	16QAM	3	0	18.19	18.27	18.11	
1.4	16QAM	3	1	18.13	18.23	18.17	19.6
1.4	16QAM	3	3	18.19	18.19	18.08	
1.4	16QAM	6	0	18.20	18.19	18.10	
1.4	64QAM	1	0	18.50	18.44	18.26	19.6
1.4	64QAM	1	3	18.30	18.48	18.40	
1.4	64QAM	1	5	18.45	18.35	18.17	
1.4	64QAM	3	0	18.21	18.28	18.20	19.6
1.4	64QAM	3	1	18.22	18.21	18.14	
1.4	64QAM	3	3	18.22	18.20	18.13	
1.4	64QAM	6	0	18.23	18.20	18.12	19.6
1.4	256QAM	1	0	18.39	18.36	18.25	
1.4	256QAM	1	3	18.26	18.40	18.39	
1.4	256QAM	1	5	18.35	18.30	18.14	19.6
1.4	256QAM	3	0	18.13	18.19	18.12	
1.4	256QAM	3	1	18.16	18.09	18.13	
1.4	256QAM	3	3	18.19	18.13	18.05	19.6
1.4	256QAM	6	0	18.10	18.18	18.09	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.02	23.22	23.33	
20	QPSK	1	49	23.21	23.15	23.13	24.3
20	QPSK	1	99	23.29	23.23	22.95	
20	QPSK	50	0	22.98	22.96	22.99	
20	QPSK	50	24	22.93	22.94	22.82	24
20	QPSK	50	50	22.94	22.94	22.95	
20	QPSK	100	0	22.95	22.99	23.00	
20	16QAM	1	0	23.03	23.07	22.89	24
20	16QAM	1	49	22.90	22.77	22.61	
20	16QAM	1	99	22.88	22.97	22.77	
20	16QAM	50	0	21.99	22.02	21.86	23
20	16QAM	50	24	21.95	22.00	21.91	
20	16QAM	50	50	21.91	22.00	21.81	
20	16QAM	100	0	21.96	22.03	21.82	23
20	64QAM	1	0	22.30	22.19	22.01	
20	64QAM	1	49	22.24	22.36	22.07	
20	64QAM	1	99	22.13	22.20	22.04	22
20	64QAM	50	0	21.03	21.07	20.94	
20	64QAM	50	24	20.96	21.04	20.90	
20	64QAM	50	50	21.00	21.05	20.89	20
20	64QAM	100	0	21.03	21.02	20.93	
20	256QAM	1	0	18.54	18.64	18.53	
20	256QAM	1	49	18.55	18.70	18.60	20
20	256QAM	1	99	18.54	18.71	18.55	
20	256QAM	50	0	18.31	18.42	18.31	
20	256QAM	50	24	18.23	18.39	18.25	20
20	256QAM	50	50	18.24	18.44	18.24	
20	256QAM	100	0	18.39	18.50	18.33	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.22	23.08	22.84	
15	QPSK	1	37	23.03	22.96	23.03	24.3
15	QPSK	1	74	23.18	23.08	22.84	
15	QPSK	36	0	22.80	22.79	22.75	
15	QPSK	36	20	22.82	22.77	22.72	24
15	QPSK	36	39	22.75	22.81	22.71	
15	QPSK	75	0	22.81	22.82	22.65	
15	16QAM	1	0	22.83	22.96	22.79	24
15	16QAM	1	37	22.73	22.67	22.48	
15	16QAM	1	74	22.69	22.77	22.60	
15	16QAM	36	0	21.81	21.89	21.74	23
15	16QAM	36	20	21.79	21.87	21.78	
15	16QAM	36	39	21.77	21.83	21.63	
15	16QAM	75	0	21.86	21.87	21.62	23
15	64QAM	1	0	22.18	22.02	21.81	
15	64QAM	1	37	22.05	22.20	21.94	
15	64QAM	1	74	21.98	22.00	21.90	22
15	64QAM	36	0	20.89	20.92	20.75	
15	64QAM	36	20	20.82	20.94	20.79	
15	64QAM	36	39	20.86	20.91	20.77	20
15	64QAM	75	0	20.84	20.89	20.80	
15	256QAM	1	0	18.36	18.51	18.43	
15	256QAM	1	37	18.39	18.57	18.49	20
15	256QAM	1	74	18.34	18.54	18.44	
15	256QAM	36	0	18.11	18.27	18.18	
15	256QAM	36	20	18.13	18.25	18.09	20



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15	256QAM	36	39	18.07	18.32	18.08	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.30	18.18	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.19	23.03	22.89	24.3
10	QPSK	1	25	23.01	23.04	23.03	
10	QPSK	1	49	23.15	23.04	22.80	
10	QPSK	25	0	22.88	22.80	22.72	24
10	QPSK	25	12	22.75	22.82	22.65	
10	QPSK	25	25	22.79	22.78	22.71	
10	QPSK	50	0	22.84	22.81	22.71	
10	16QAM	1	0	22.87	22.87	22.76	24
10	16QAM	1	25	22.72	22.63	22.49	
10	16QAM	1	49	22.71	22.86	22.66	
10	16QAM	25	0	21.83	21.82	21.72	23
10	16QAM	25	12	21.79	21.80	21.72	
10	16QAM	25	25	21.71	21.87	21.70	
10	16QAM	50	0	21.86	21.93	21.71	
10	64QAM	1	0	22.13	22.03	21.86	23
10	64QAM	1	25	22.07	22.19	21.94	
10	64QAM	1	49	22.01	22.10	21.92	
10	64QAM	25	0	20.83	20.92	20.74	22
10	64QAM	25	12	20.79	20.84	20.70	
10	64QAM	25	25	20.82	20.89	20.69	
10	64QAM	50	0	20.86	20.88	20.76	
10	256QAM	1	0	18.35	18.53	18.36	20
10	256QAM	1	25	18.43	18.55	18.44	
10	256QAM	1	49	18.42	18.60	18.44	
10	256QAM	25	0	18.17	18.22	18.13	20
10	256QAM	25	12	18.08	18.27	18.11	
10	256QAM	25	25	18.10	18.26	18.07	
10	256QAM	50	0	18.20	18.36	18.15	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.13	23.06	22.89	24.3
5	QPSK	1	12	23.04	22.95	22.93	
5	QPSK	1	24	23.19	23.08	22.85	
5	QPSK	12	0	22.85	22.76	22.81	24
5	QPSK	12	7	22.80	22.77	22.72	
5	QPSK	12	13	22.76	22.76	22.67	
5	QPSK	25	0	22.83	22.81	22.65	
5	16QAM	1	0	22.86	22.89	22.69	24
5	16QAM	1	12	22.74	22.61	22.43	
5	16QAM	1	24	22.70	22.84	22.65	
5	16QAM	12	0	21.81	21.84	21.69	23
5	16QAM	12	7	21.75	21.80	21.72	
5	16QAM	12	13	21.78	21.85	21.68	
5	16QAM	25	0	21.76	21.83	21.67	
5	64QAM	1	0	22.11	22.08	21.91	23
5	64QAM	1	12	22.06	22.23	21.89	
5	64QAM	1	24	21.95	22.09	21.89	
5	64QAM	12	0	20.87	20.90	20.75	22
5	64QAM	12	7	20.82	20.86	20.75	
5	64QAM	12	13	20.87	20.88	20.73	
5	64QAM	25	0	20.88	20.89	20.83	
5	256QAM	1	0	18.40	18.53	18.36	20
5	256QAM	1	12	18.40	18.52	18.45	
5	256QAM	1	24	18.40	18.55	18.36	
5	256QAM	12	0	18.20	18.26	18.12	20
5	256QAM	12	7	18.11	18.27	18.09	
5	256QAM	12	13	18.14	18.33	18.09	
5	256QAM	25	0	18.25	18.31	18.13	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.14	23.11	22.84	24.3
3	QPSK	1	8	23.03	23.04	22.97	
3	QPSK	1	14	23.09	23.10	22.75	
3	QPSK	8	0	22.84	22.76	22.79	24
3	QPSK	8	4	22.82	22.83	22.72	
3	QPSK	8	7	22.83	22.75	22.72	
3	QPSK	15	0	22.83	22.81	22.62	
3	16QAM	1	0	22.88	22.89	22.72	24
3	16QAM	1	8	22.73	22.67	22.44	
3	16QAM	1	14	22.72	22.83	22.66	
3	16QAM	8	0	21.87	21.85	21.73	23
3	16QAM	8	4	21.84	21.85	21.76	
3	16QAM	8	7	21.80	21.88	21.66	
3	16QAM	15	0	21.85	21.89	21.69	
3	64QAM	1	0	22.16	22.09	21.88	23
3	64QAM	1	8	22.08	22.20	21.94	
3	64QAM	1	14	22.03	22.00	21.94	
3	64QAM	8	0	20.92	20.96	20.81	22
3	64QAM	8	4	20.82	20.92	20.75	
3	64QAM	8	7	20.81	20.86	20.69	
3	64QAM	15	0	20.83	20.88	20.82	
3	256QAM	1	0	18.42	18.52	18.42	20
3	256QAM	1	8	18.37	18.57	18.45	
3	256QAM	1	14	18.43	18.59	18.38	
3	256QAM	8	0	18.16	18.28	18.13	20
3	256QAM	8	4	18.03	18.29	18.14	
3	256QAM	8	7	18.04	18.25	18.05	
3	256QAM	15	0	18.26	18.35	18.23	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.16	23.09	22.91	24.3
1.4	QPSK	1	3	23.04	22.95	23.00	
1.4	QPSK	1	5	23.13	23.08	22.80	
1.4	QPSK	3	0	22.85	22.86	22.79	
1.4	QPSK	3	1	22.73	22.76	22.63	
1.4	QPSK	3	3	22.82	22.82	22.64	
1.4	QPSK	6	0	22.84	22.89	22.72	24
1.4	16QAM	1	0	22.88	22.91	22.73	24
1.4	16QAM	1	3	22.76	22.58	22.47	
1.4	16QAM	1	5	22.78	22.79	22.59	
1.4	16QAM	3	0	21.86	21.83	21.70	
1.4	16QAM	3	1	21.84	21.82	21.71	
1.4	16QAM	3	3	21.80	21.90	21.71	
1.4	16QAM	6	0	21.77	21.86	21.68	23
1.4	64QAM	1	0	21.82	22.05	21.90	23
1.4	64QAM	1	3	21.85	22.22	21.87	
1.4	64QAM	1	5	21.97	22.03	21.91	
1.4	64QAM	3	0	21.83	21.85	21.85	
1.4	64QAM	3	1	21.84	21.84	21.92	
1.4	64QAM	3	3	21.82	21.83	21.83	
1.4	64QAM	6	0	20.86	20.89	20.75	22
1.4	256QAM	1	0	18.34	18.46	18.42	20
1.4	256QAM	1	3	18.38	18.56	18.43	
1.4	256QAM	1	5	18.40	18.52	18.36	
1.4	256QAM	3	0	18.14	18.30	18.16	
1.4	256QAM	3	1	18.09	18.25	18.06	
1.4	256QAM	3	3	18.10	18.26	18.14	
1.4	256QAM	6	0	18.27	18.32	18.22	20



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.34	19.32	19.18	
20	QPSK	1	49	19.14	19.14	19.00	20.3
20	QPSK	1	99	19.14	19.11	18.94	
20	QPSK	50	0	19.25	19.23	19.03	
20	QPSK	50	24	19.20	19.21	19.02	20.3
20	QPSK	50	50	19.21	19.17	19.01	
20	QPSK	100	0	19.20	19.20	19.06	
20	16QAM	1	0	19.27	19.31	19.20	20.3
20	16QAM	1	49	19.18	19.26	19.13	
20	16QAM	1	99	19.24	19.33	19.10	
20	16QAM	50	0	19.21	19.22	19.03	20.3
20	16QAM	50	24	19.18	19.16	19.03	
20	16QAM	50	50	19.21	19.13	19.05	
20	16QAM	100	0	19.24	19.17	19.06	20.3
20	64QAM	1	0	19.30	19.25	19.10	
20	64QAM	1	49	19.25	19.24	19.22	
20	64QAM	1	99	19.21	19.33	19.20	20.3
20	64QAM	50	0	19.29	19.25	19.08	
20	64QAM	50	24	19.30	19.27	19.10	
20	64QAM	50	50	19.29	19.21	19.07	20
20	64QAM	100	0	19.21	19.20	18.99	
20	256QAM	1	0	19.26	19.23	19.08	
20	256QAM	1	49	19.32	19.27	19.17	20
20	256QAM	1	99	19.20	19.11	19.00	
20	256QAM	50	0	19.14	19.03	18.89	
20	256QAM	50	24	19.08	19.07	18.93	20
20	256QAM	50	50	19.13	19.05	18.88	
20	256QAM	100	0	19.00	18.99	18.84	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.21	19.18	19.01	
15	QPSK	1	37	18.95	18.98	18.86	20.3
15	QPSK	1	74	18.97	18.96	18.81	
15	QPSK	36	0	19.05	19.07	18.83	
15	QPSK	36	20	19.01	19.10	18.88	20.3
15	QPSK	36	39	19.07	19.00	18.89	
15	QPSK	75	0	19.00	19.00	18.86	
15	16QAM	1	0	19.13	19.13	19.00	20.3
15	16QAM	1	37	19.08	19.08	18.97	
15	16QAM	1	74	19.09	19.20	18.95	
15	16QAM	36	0	19.08	19.04	18.86	20.3
15	16QAM	36	20	19.01	18.98	18.90	
15	16QAM	36	39	19.03	19.00	18.88	
15	16QAM	75	0	19.10	19.00	18.90	20.3
15	64QAM	1	0	19.19	19.14	18.93	
15	64QAM	1	37	19.10	19.06	19.05	
15	64QAM	1	74	19.09	19.17	19.04	20.3
15	64QAM	36	0	19.19	19.07	18.91	
15	64QAM	36	20	19.12	19.07	19.00	
15	64QAM	36	39	19.18	19.01	18.97	20
15	64QAM	75	0	19.02	19.04	18.81	
15	256QAM	1	0	19.06	19.10	18.91	
15	256QAM	1	37	19.19	19.15	19.03	20
15	256QAM	1	74	19.04	18.99	18.85	
15	256QAM	36	0	19.01	18.90	18.72	
15	256QAM	36	20	18.88	18.87	18.77	20



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15	256QAM	36	39	18.99	18.93	18.75	Tune-up limit (dBm)
15	256QAM	75	0	18.86	18.87	18.65	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.18	19.15	19.08	20.3
10	QPSK	1	25	19.03	19.03	18.83	
10	QPSK	1	49	18.94	18.95	18.79	
10	QPSK	25	0	19.13	19.07	18.92	20.3
10	QPSK	25	12	19.01	19.11	18.89	
10	QPSK	25	25	19.05	19.01	18.82	
10	QPSK	50	0	19.09	19.01	18.88	
10	16QAM	1	0	19.11	19.14	19.07	20.3
10	16QAM	1	25	19.07	19.07	18.97	
10	16QAM	1	49	19.04	19.23	18.96	
10	16QAM	25	0	19.08	19.07	18.93	20.3
10	16QAM	25	12	19.00	19.06	18.86	
10	16QAM	25	25	19.06	18.96	18.91	
10	16QAM	50	0	19.05	19.02	18.95	
10	64QAM	1	0	19.13	19.12	18.97	20.3
10	64QAM	1	25	19.10	19.06	19.04	
10	64QAM	1	49	19.06	19.16	19.06	
10	64QAM	25	0	19.19	19.06	18.92	20.3
10	64QAM	25	12	19.17	19.15	18.94	
10	64QAM	25	25	19.14	19.10	18.89	
10	64QAM	50	0	19.09	19.06	18.83	
10	256QAM	1	0	19.13	19.08	18.89	20
10	256QAM	1	25	19.17	19.09	19.06	
10	256QAM	1	49	19.00	19.00	18.83	
10	256QAM	25	0	18.97	18.89	18.77	20
10	256QAM	25	12	18.97	18.90	18.78	
10	256QAM	25	25	19.02	18.87	18.77	
10	256QAM	50	0	18.83	18.87	18.73	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.17	19.14	18.98	20.3
5	QPSK	1	12	18.95	19.02	18.89	
5	QPSK	1	24	19.04	18.95	18.83	
5	QPSK	12	0	19.06	19.11	18.92	20.3
5	QPSK	12	7	19.02	19.11	18.82	
5	QPSK	12	13	19.02	19.01	18.88	
5	QPSK	25	0	19.09	19.04	18.94	
5	16QAM	1	0	19.15	19.12	19.08	20.3
5	16QAM	1	12	18.98	19.08	19.01	
5	16QAM	1	24	19.13	19.20	18.93	
5	16QAM	12	0	19.03	19.03	18.88	20.3
5	16QAM	12	7	19.00	19.01	18.85	
5	16QAM	12	13	19.06	19.03	18.88	
5	16QAM	25	0	19.08	19.06	18.87	
5	64QAM	1	0	19.18	19.06	18.96	20.3
5	64QAM	1	12	19.11	19.04	19.03	
5	64QAM	1	24	19.04	19.19	19.03	
5	64QAM	12	0	19.18	19.13	18.95	20.3
5	64QAM	12	7	19.13	19.16	18.98	
5	64QAM	12	13	19.19	19.01	18.97	
5	64QAM	25	0	19.06	19.08	18.81	
5	256QAM	1	0	19.11	19.03	18.97	20
5	256QAM	1	12	19.18	19.17	19.02	
5	256QAM	1	24	19.08	18.94	18.80	
5	256QAM	12	0	19.01	18.92	18.72	20
5	256QAM	12	7	18.93	18.96	18.80	
5	256QAM	12	13	19.00	18.91	18.73	
5	256QAM	25	0	18.83	18.86	18.70	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.18	19.21	19.04	20.3
3	QPSK	1	8	19.01	18.98	18.89	
3	QPSK	1	14	18.99	18.91	18.76	
3	QPSK	8	0	19.10	19.08	18.83	20.3
3	QPSK	8	4	19.07	19.02	18.82	
3	QPSK	8	7	19.04	19.06	18.86	
3	QPSK	15	0	19.02	19.02	18.87	
3	16QAM	1	0	19.16	19.17	19.02	20.3
3	16QAM	1	8	19.04	19.06	18.96	
3	16QAM	1	14	19.08	19.13	18.92	
3	16QAM	8	0	19.11	19.03	18.91	20.3
3	16QAM	8	4	19.00	18.99	18.86	
3	16QAM	8	7	19.07	19.03	18.85	
3	16QAM	15	0	19.12	19.01	18.96	
3	64QAM	1	0	19.11	19.10	18.95	20.3
3	64QAM	1	8	19.09	19.04	19.04	
3	64QAM	1	14	19.07	19.19	19.09	
3	64QAM	8	0	19.15	19.11	18.97	20.3
3	64QAM	8	4	19.13	19.13	18.97	
3	64QAM	8	7	19.10	19.08	18.91	
3	64QAM	15	0	19.11	19.09	18.88	
3	256QAM	1	0	19.07	19.07	18.93	20
3	256QAM	1	8	19.18	19.12	19.04	
3	256QAM	1	14	19.09	19.01	18.87	
3	256QAM	8	0	19.00	18.91	18.76	20
3	256QAM	8	4	18.91	18.90	18.78	
3	256QAM	8	7	18.96	18.85	18.73	
3	256QAM	15	0	18.87	18.88	18.74	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.17	19.14	18.98	20.3
1.4	QPSK	1	3	18.99	18.98	18.85	
1.4	QPSK	1	5	18.95	18.98	18.77	
1.4	QPSK	3	0	19.13	19.08	18.93	
1.4	QPSK	3	1	19.02	19.05	18.92	
1.4	QPSK	3	3	19.06	18.99	18.91	
1.4	QPSK	6	0	19.05	19.06	18.89	20.3
1.4	16QAM	1	0	19.15	19.14	19.04	20.3
1.4	16QAM	1	3	19.04	19.06	19.01	
1.4	16QAM	1	5	19.07	19.21	18.92	
1.4	16QAM	3	0	19.11	19.05	18.89	
1.4	16QAM	3	1	19.04	19.02	18.84	
1.4	16QAM	3	3	19.04	18.93	18.87	20.3
1.4	16QAM	6	0	19.05	19.05	18.95	
1.4	64QAM	1	0	19.10	19.12	18.93	20.3
1.4	64QAM	1	3	19.09	19.09	19.10	
1.4	64QAM	1	5	19.01	19.22	19.06	
1.4	64QAM	3	0	19.16	19.13	18.98	
1.4	64QAM	3	1	19.20	19.09	19.00	
1.4	64QAM	3	3	19.14	19.08	18.97	20.3
1.4	64QAM	6	0	19.07	19.10	18.89	
1.4	256QAM	1	0	19.07	19.03	18.89	20
1.4	256QAM	1	3	19.13	19.07	19.02	
1.4	256QAM	1	5	19.10	18.91	18.81	
1.4	256QAM	3	0	19.03	18.87	18.73	
1.4	256QAM	3	1	18.92	18.94	18.77	
1.4	256QAM	3	3	18.96	18.85	18.73	20
1.4	256QAM	6	0	18.84	18.89	18.65	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.93	23.85	23.83	
20	QPSK	1	49	23.87	23.84	23.55	25
20	QPSK	1	99	23.77	23.79	23.71	
20	QPSK	50	0	22.86	22.85	22.67	
20	QPSK	50	24	22.84	22.81	22.66	24
20	QPSK	50	50	22.85	22.84	22.74	
20	QPSK	100	0	22.79	22.70	22.76	
20	16QAM	1	0	23.08	23.18	23.06	24
20	16QAM	1	49	23.05	23.18	23.06	
20	16QAM	1	99	23.08	23.15	22.99	
20	16QAM	50	0	21.89	21.87	21.77	23
20	16QAM	50	24	21.79	21.83	21.76	
20	16QAM	50	50	21.84	21.80	21.68	
20	16QAM	100	0	21.70	21.89	21.69	23
20	64QAM	1	0	22.26	22.09	22.04	
20	64QAM	1	49	22.16	22.14	21.91	
20	64QAM	1	99	22.01	22.04	21.90	22
20	64QAM	50	0	20.81	20.84	20.74	
20	64QAM	50	24	20.80	20.79	20.66	
20	64QAM	50	50	20.75	20.80	20.71	20
20	64QAM	100	0	20.77	20.79	20.68	
20	256QAM	1	0	18.79	18.97	18.89	
20	256QAM	1	49	18.28	18.52	18.34	20
20	256QAM	1	99	18.56	18.79	18.61	
20	256QAM	50	0	18.56	18.76	18.65	20
20	256QAM	50	24	18.43	18.70	18.52	
20	256QAM	50	50	18.50	18.68	18.54	
20	256QAM	100	0	18.40	18.68	18.59	Tune-up limit (dBm)
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.88	23.67	23.83	25
15	QPSK	1	37	23.86	23.77	23.52	
15	QPSK	1	74	23.69	23.63	23.67	
15	QPSK	36	0	22.74	22.81	22.58	24
15	QPSK	36	20	22.77	22.79	22.66	
15	QPSK	36	39	22.73	22.74	22.60	
15	QPSK	75	0	22.66	22.51	22.64	24
15	16QAM	1	0	23.05	22.98	23.01	
15	16QAM	1	37	22.98	23.06	22.99	
15	16QAM	1	74	22.91	23.02	22.81	23
15	16QAM	36	0	21.73	21.87	21.57	
15	16QAM	36	20	21.64	21.64	21.66	
15	16QAM	36	39	21.72	21.60	21.57	23
15	16QAM	75	0	21.64	21.69	21.60	
15	64QAM	1	0	22.09	21.95	21.94	
15	64QAM	1	37	22.10	22.02	21.81	22
15	64QAM	1	74	21.88	22.04	21.71	
15	64QAM	36	0	20.71	20.83	20.72	
15	64QAM	36	20	20.66	20.73	20.60	20
15	64QAM	36	39	20.64	20.69	20.66	
15	64QAM	75	0	20.77	20.72	20.58	
15	256QAM	1	0	18.67	18.83	18.70	20
15	256QAM	1	37	18.24	18.43	18.25	
15	256QAM	1	74	18.55	18.71	18.45	
15	256QAM	36	0	18.50	18.59	18.53	20
15	256QAM	36	20	18.25	18.54	18.41	



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15	256QAM	36	39	18.33	18.49	18.36	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.68	18.49	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.79	23.69	25
10	QPSK	1	25	23.79	23.75	23.52	
10	QPSK	1	49	23.61	23.62	23.60	
10	QPSK	25	0	22.71	22.73	22.64	24
10	QPSK	25	12	22.76	22.77	22.56	
10	QPSK	25	25	22.81	22.73	22.70	
10	QPSK	50	0	22.61	22.56	22.61	
10	16QAM	1	0	22.95	23.03	22.99	24
10	16QAM	1	25	22.88	23.12	22.88	
10	16QAM	1	49	22.96	23.09	22.95	
10	16QAM	25	0	21.82	21.82	21.60	23
10	16QAM	25	12	21.74	21.63	21.66	
10	16QAM	25	25	21.65	21.63	21.48	
10	16QAM	50	0	21.55	21.78	21.63	
10	64QAM	1	0	22.08	21.97	22.01	23
10	64QAM	1	25	22.04	22.14	21.77	
10	64QAM	1	49	21.85	21.90	21.89	
10	64QAM	25	0	20.73	20.76	20.62	22
10	64QAM	25	12	20.65	20.73	20.62	
10	64QAM	25	25	20.67	20.74	20.51	
10	64QAM	50	0	20.62	20.67	20.49	
10	256QAM	1	0	18.62	18.89	18.89	20
10	256QAM	1	25	18.17	18.36	18.29	
10	256QAM	1	49	18.40	18.77	18.60	
10	256QAM	25	0	18.48	18.68	18.49	20
10	256QAM	25	12	18.36	18.53	18.49	
10	256QAM	25	25	18.33	18.58	18.35	
10	256QAM	50	0	18.24	18.59	18.58	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.86	23.78	23.79	25
5	QPSK	1	12	23.72	23.67	23.40	
5	QPSK	1	24	23.57	23.75	23.61	
5	QPSK	12	0	22.58	22.78	22.67	24
5	QPSK	12	7	22.69	22.77	22.50	
5	QPSK	12	13	22.81	22.71	22.62	
5	QPSK	25	0	22.60	22.54	22.75	
5	16QAM	1	0	23.06	23.01	22.96	24
5	16QAM	1	12	22.92	23.16	22.87	
5	16QAM	1	24	22.95	23.15	22.88	
5	16QAM	12	0	21.72	21.68	21.73	23
5	16QAM	12	7	21.77	21.73	21.72	
5	16QAM	12	13	21.68	21.66	21.58	
5	16QAM	25	0	21.69	21.71	21.55	
5	64QAM	1	0	22.19	22.01	21.90	23
5	64QAM	1	12	22.10	22.02	21.88	
5	64QAM	1	24	21.97	21.95	21.73	
5	64QAM	12	0	20.81	20.66	20.60	22
5	64QAM	12	7	20.69	20.59	20.66	
5	64QAM	12	13	20.69	20.69	20.51	
5	64QAM	25	0	20.70	20.64	20.66	
5	256QAM	1	0	18.69	18.88	18.77	20
5	256QAM	1	12	18.18	18.38	18.22	
5	256QAM	1	24	18.53	18.76	18.45	
5	256QAM	12	0	18.48	18.68	18.55	20
5	256QAM	12	7	18.37	18.58	18.40	
5	256QAM	12	13	18.35	18.56	18.45	
5	256QAM	25	0	18.24	18.55	18.42	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.84	23.68	23.68	25
3	QPSK	1	8	23.74	23.77	23.48	
3	QPSK	1	14	23.59	23.68	23.51	
3	QPSK	8	0	22.61	22.66	22.59	24
3	QPSK	8	4	22.67	22.77	22.58	
3	QPSK	8	7	22.70	22.81	22.67	
3	QPSK	15	0	22.65	22.68	22.68	24
3	16QAM	1	0	23.08	22.98	23.02	
3	16QAM	1	8	22.92	23.07	22.94	
3	16QAM	1	14	23.00	23.07	22.93	23
3	16QAM	8	0	21.81	21.73	21.64	
3	16QAM	8	4	21.60	21.71	21.56	
3	16QAM	8	7	21.72	21.77	21.58	23
3	16QAM	15	0	21.60	21.73	21.50	
3	64QAM	1	0	22.18	21.98	22.00	
3	64QAM	1	8	22.04	21.98	21.71	22
3	64QAM	1	14	22.01	21.93	21.83	
3	64QAM	8	0	20.64	20.74	20.71	
3	64QAM	8	4	20.70	20.78	20.56	20
3	64QAM	8	7	20.73	20.76	20.62	
3	64QAM	15	0	20.60	20.62	20.63	
3	256QAM	1	0	18.75	18.93	18.72	20
3	256QAM	1	8	18.17	18.44	18.14	
3	256QAM	1	14	18.40	18.69	18.56	
3	256QAM	8	0	18.45	18.65	18.60	20
3	256QAM	8	4	18.36	18.67	18.44	
3	256QAM	8	7	18.47	18.61	18.37	
3	256QAM	15	0	18.36	18.52	18.57	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.91	23.76	23.82	25
1.4	QPSK	1	3	23.81	23.72	23.46	
1.4	QPSK	1	5	23.67	23.63	23.65	
1.4	QPSK	3	0	23.90	23.78	23.80	24
1.4	QPSK	3	1	23.72	23.72	23.37	
1.4	QPSK	3	3	23.60	23.75	23.65	
1.4	QPSK	6	0	22.58	22.85	22.55	24
1.4	16QAM	1	0	22.79	22.76	22.59	
1.4	16QAM	1	3	22.80	22.73	22.72	
1.4	16QAM	1	5	22.70	22.61	22.61	23
1.4	16QAM	3	0	23.06	23.17	22.97	
1.4	16QAM	3	1	22.86	23.15	23.04	
1.4	16QAM	3	3	22.89	23.04	22.79	23
1.4	16QAM	6	0	21.81	21.85	21.65	
1.4	64QAM	1	0	21.62	21.63	21.61	
1.4	64QAM	1	3	21.76	21.71	21.49	23
1.4	64QAM	1	5	21.52	21.84	21.52	
1.4	64QAM	3	0	22.24	22.02	21.91	
1.4	64QAM	3	1	22.00	22.08	21.77	22
1.4	64QAM	3	3	21.89	21.93	21.70	
1.4	64QAM	6	0	20.80	20.78	20.54	
1.4	256QAM	1	0	18.73	18.96	18.71	20
1.4	256QAM	1	3	18.21	18.39	18.20	
1.4	256QAM	1	5	18.41	18.65	18.50	
1.4	256QAM	3	0	18.37	18.58	18.65	20
1.4	256QAM	3	1	18.27	18.56	18.37	
1.4	256QAM	3	3	18.46	18.55	18.47	
1.4	256QAM	6	0	18.32	18.56	18.51	20



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	18.68	18.74	18.62	
20	QPSK	1	49	18.63	18.61	18.54	18.9
20	QPSK	1	99	18.62	18.53	18.48	
20	QPSK	50	0	18.34	18.34	18.25	
20	QPSK	50	24	18.28	18.32	18.22	18.9
20	QPSK	50	50	18.30	18.29	18.21	
20	QPSK	100	0	18.32	18.34	18.26	
20	16QAM	1	0	18.38	18.37	18.25	18.9
20	16QAM	1	49	18.08	18.07	18.01	
20	16QAM	1	99	18.29	18.27	18.18	
20	16QAM	50	0	18.32	18.37	18.29	18.9
20	16QAM	50	24	18.32	18.37	18.28	
20	16QAM	50	50	18.32	18.32	18.22	
20	16QAM	100	0	18.33	18.38	18.29	18.9
20	64QAM	1	0	18.63	18.57	18.40	
20	64QAM	1	49	18.50	18.58	18.59	
20	64QAM	1	99	18.56	18.49	18.36	18.9
20	64QAM	50	0	18.36	18.40	18.30	
20	64QAM	50	24	18.33	18.33	18.30	
20	64QAM	50	50	18.34	18.37	18.26	18.9
20	64QAM	100	0	18.33	18.34	18.29	
20	256QAM	1	0	18.46	18.33	18.18	
20	256QAM	1	49	18.35	18.43	18.36	18.9
20	256QAM	1	99	18.38	18.24	18.15	
20	256QAM	50	0	18.17	18.20	18.07	
20	256QAM	50	24	18.15	18.15	18.06	18.9
20	256QAM	50	50	18.18	18.18	18.03	
20	256QAM	100	0	18.18	18.09	18.12	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.55	18.59	18.51	
15	QPSK	1	37	18.44	18.42	18.34	18.9
15	QPSK	1	74	18.50	18.41	18.29	
15	QPSK	36	0	18.15	18.17	18.13	
15	QPSK	36	20	18.17	18.20	18.03	18.9
15	QPSK	36	39	18.19	18.15	18.07	
15	QPSK	75	0	18.20	18.21	18.07	
15	16QAM	1	0	18.22	18.21	18.11	18.9
15	16QAM	1	37	17.89	17.92	17.87	
15	16QAM	1	74	18.19	18.14	17.99	
15	16QAM	36	0	18.21	18.25	18.13	18.9
15	16QAM	36	20	18.21	18.25	18.08	
15	16QAM	36	39	18.17	18.14	18.12	
15	16QAM	75	0	18.21	18.28	18.19	18.9
15	64QAM	1	0	18.52	18.42	18.29	
15	64QAM	1	37	18.32	18.45	18.40	
15	64QAM	1	74	18.45	18.31	18.17	18.9
15	64QAM	36	0	18.17	18.23	18.12	
15	64QAM	36	20	18.14	18.15	18.13	
15	64QAM	36	39	18.14	18.18	18.15	18.9
15	64QAM	75	0	18.20	18.18	18.13	
15	256QAM	1	0	18.46	18.33	18.18	
15	256QAM	1	37	18.29	18.36	18.39	18.9
15	256QAM	1	74	18.37	18.27	18.17	
15	256QAM	36	0	18.14	18.25	18.05	
15	256QAM	36	20	18.18	18.17	18.05	18.9



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15	256QAM	36	39	18.18	18.20	18.11	
15	256QAM	75	0	18.14	18.14	18.06	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	18.54	18.61	18.44	18.9
10	QPSK	1	25	18.43	18.46	18.36	
10	QPSK	1	49	18.52	18.36	18.28	
10	QPSK	25	0	18.21	18.16	18.07	18.9
10	QPSK	25	12	18.08	18.14	18.05	
10	QPSK	25	25	18.19	18.11	18.06	
10	QPSK	50	0	18.15	18.23	18.11	
10	16QAM	1	0	18.19	18.21	18.06	
10	16QAM	1	25	17.98	17.94	17.88	18.9
10	16QAM	1	49	18.16	18.11	17.99	
10	16QAM	25	0	18.18	18.18	18.16	
10	16QAM	25	12	18.18	18.24	18.09	18.9
10	16QAM	25	25	18.21	18.16	18.07	
10	16QAM	50	0	18.20	18.24	18.19	
10	64QAM	1	0	18.46	18.43	18.27	18.9
10	64QAM	1	25	18.39	18.45	18.45	
10	64QAM	1	49	18.39	18.33	18.16	
10	64QAM	25	0	18.16	18.30	18.11	18.9
10	64QAM	25	12	18.23	18.21	18.10	
10	64QAM	25	25	18.23	18.27	18.13	
10	64QAM	50	0	18.23	18.14	18.11	
10	256QAM	1	0	18.48	18.42	18.18	18.9
10	256QAM	1	25	18.33	18.38	18.34	
10	256QAM	1	49	18.31	18.29	18.12	
10	256QAM	25	0	18.17	18.20	18.05	
10	256QAM	25	12	18.16	18.18	18.12	18.9
10	256QAM	25	25	18.10	18.20	18.02	
10	256QAM	50	0	18.08	18.15	18.14	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	18.53	18.60	18.52	18.9
5	QPSK	1	12	18.50	18.41	18.41	
5	QPSK	1	24	18.45	18.39	18.32	
5	QPSK	12	0	18.18	18.17	18.13	18.9
5	QPSK	12	7	18.10	18.21	18.04	
5	QPSK	12	13	18.20	18.17	18.06	
5	QPSK	25	0	18.13	18.21	18.16	
5	16QAM	1	0	18.20	18.19	18.07	18.9
5	16QAM	1	12	17.94	17.89	17.82	
5	16QAM	1	24	18.16	18.11	18.06	
5	16QAM	12	0	18.20	18.22	18.10	18.9
5	16QAM	12	7	18.12	18.26	18.10	
5	16QAM	12	13	18.13	18.21	18.06	
5	16QAM	25	0	18.13	18.24	18.18	
5	64QAM	1	0	18.43	18.45	18.28	18.9
5	64QAM	1	12	18.36	18.48	18.44	
5	64QAM	1	24	18.39	18.34	18.21	
5	64QAM	12	0	18.24	18.20	18.15	18.9
5	64QAM	12	7	18.16	18.13	18.14	
5	64QAM	12	13	18.23	18.22	18.14	
5	64QAM	25	0	18.16	18.20	18.14	
5	256QAM	1	0	18.48	18.40	18.24	18.9
5	256QAM	1	12	18.30	18.34	18.43	
5	256QAM	1	24	18.40	18.28	18.14	
5	256QAM	12	0	18.20	18.21	18.14	
5	256QAM	12	7	18.12	18.12	18.05	18.9
5	256QAM	12	13	18.14	18.16	18.05	
5	256QAM	25	0	18.09	18.13	18.09	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	18.51	18.61	18.51	18.9
3	QPSK	1	8	18.43	18.47	18.38	
3	QPSK	1	14	18.43	18.38	18.28	
3	QPSK	8	0	18.20	18.21	18.15	18.9
3	QPSK	8	4	18.15	18.12	18.07	
3	QPSK	8	7	18.10	18.19	18.04	
3	QPSK	15	0	18.17	18.20	18.16	
3	16QAM	1	0	18.25	18.20	18.10	18.9
3	16QAM	1	8	17.94	17.97	17.85	
3	16QAM	1	14	18.13	18.15	18.03	
3	16QAM	8	0	18.21	18.21	18.11	18.9
3	16QAM	8	4	18.16	18.22	18.10	
3	16QAM	8	7	18.14	18.16	18.02	
3	16QAM	15	0	18.18	18.26	18.15	
3	64QAM	1	0	18.47	18.45	18.22	18.9
3	64QAM	1	8	18.37	18.44	18.48	
3	64QAM	1	14	18.37	18.30	18.16	
3	64QAM	8	0	18.23	18.24	18.11	18.9
3	64QAM	8	4	18.14	18.13	18.13	
3	64QAM	8	7	18.16	18.23	18.14	
3	64QAM	15	0	18.22	18.15	18.13	
3	256QAM	1	0	18.38	18.34	18.22	18.9
3	256QAM	1	8	18.27	18.39	18.44	
3	256QAM	1	14	18.33	18.32	18.19	
3	256QAM	8	0	18.20	18.21	18.07	18.9
3	256QAM	8	4	18.15	18.16	18.11	
3	256QAM	8	7	18.19	18.13	18.06	
3	256QAM	15	0	18.08	18.15	18.11	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	18.55	18.63	18.46	18.9
1.4	QPSK	1	3	18.52	18.50	18.34	
1.4	QPSK	1	5	18.49	18.41	18.36	
1.4	QPSK	3	0	18.16	18.17	18.13	
1.4	QPSK	3	1	18.13	18.22	18.02	
1.4	QPSK	3	3	18.11	18.14	18.01	
1.4	QPSK	6	0	18.21	18.20	18.16	18.9
1.4	16QAM	1	0	18.22	18.17	18.09	18.9
1.4	16QAM	1	3	17.93	17.89	17.82	
1.4	16QAM	1	5	18.19	18.17	17.99	
1.4	16QAM	3	0	18.19	18.27	18.11	
1.4	16QAM	3	1	18.13	18.23	18.17	
1.4	16QAM	3	3	18.19	18.19	18.08	18.9
1.4	16QAM	6	0	18.20	18.19	18.10	
1.4	64QAM	1	0	18.50	18.44	18.26	18.9
1.4	64QAM	1	3	18.30	18.48	18.40	
1.4	64QAM	1	5	18.45	18.35	18.17	
1.4	64QAM	3	0	18.21	18.28	18.20	
1.4	64QAM	3	1	18.22	18.21	18.14	
1.4	64QAM	3	3	18.22	18.20	18.13	18.9
1.4	64QAM	6	0	18.23	18.20	18.12	
1.4	256QAM	1	0	18.39	18.36	18.25	18.9
1.4	256QAM	1	3	18.26	18.40	18.39	
1.4	256QAM	1	5	18.35	18.30	18.14	
1.4	256QAM	3	0	18.13	18.19	18.12	
1.4	256QAM	3	1	18.16	18.09	18.13	
1.4	256QAM	3	3	18.19	18.13	18.05	18.9
1.4	256QAM	6	0	18.10	18.18	18.09	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.02	23.22	23.33	
20	QPSK	1	49	23.21	23.15	23.13	23.6
20	QPSK	1	99	23.29	23.23	22.95	
20	QPSK	50	0	22.98	22.96	22.99	
20	QPSK	50	24	22.93	22.94	22.82	23.6
20	QPSK	50	50	22.94	22.94	22.95	
20	QPSK	100	0	22.95	22.99	23.00	
20	16QAM	1	0	23.03	23.07	22.89	23.6
20	16QAM	1	49	22.90	22.77	22.61	
20	16QAM	1	99	22.88	22.97	22.77	
20	16QAM	50	0	21.99	22.02	21.86	23
20	16QAM	50	24	21.95	22.00	21.91	
20	16QAM	50	50	21.91	22.00	21.81	
20	16QAM	100	0	21.96	22.03	21.82	23
20	64QAM	1	0	22.30	22.19	22.01	
20	64QAM	1	49	22.24	22.36	22.07	
20	64QAM	1	99	22.13	22.20	22.04	22
20	64QAM	50	0	21.03	21.07	20.94	
20	64QAM	50	24	20.96	21.04	20.90	
20	64QAM	50	50	21.00	21.05	20.89	20
20	64QAM	100	0	21.03	21.02	20.93	
20	256QAM	1	0	18.54	18.64	18.53	
20	256QAM	1	49	18.55	18.70	18.60	20
20	256QAM	1	99	18.54	18.71	18.55	
20	256QAM	50	0	18.31	18.42	18.31	
20	256QAM	50	24	18.23	18.39	18.25	20
20	256QAM	50	50	18.24	18.44	18.24	
20	256QAM	100	0	18.39	18.50	18.33	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.22	23.08	22.84	
15	QPSK	1	37	23.03	22.96	23.03	23.6
15	QPSK	1	74	23.18	23.08	22.84	
15	QPSK	36	0	22.80	22.79	22.75	
15	QPSK	36	20	22.82	22.77	22.72	23.6
15	QPSK	36	39	22.75	22.81	22.71	
15	QPSK	75	0	22.81	22.82	22.65	
15	16QAM	1	0	22.83	22.96	22.79	23.6
15	16QAM	1	37	22.73	22.67	22.48	
15	16QAM	1	74	22.69	22.77	22.60	
15	16QAM	36	0	21.81	21.89	21.74	23
15	16QAM	36	20	21.79	21.87	21.78	
15	16QAM	36	39	21.77	21.83	21.63	
15	16QAM	75	0	21.86	21.87	21.62	23
15	64QAM	1	0	22.18	22.02	21.81	
15	64QAM	1	37	22.05	22.20	21.94	
15	64QAM	1	74	21.98	22.00	21.90	22
15	64QAM	36	0	20.89	20.92	20.75	
15	64QAM	36	20	20.82	20.94	20.79	
15	64QAM	36	39	20.86	20.91	20.77	20
15	64QAM	75	0	20.84	20.89	20.80	
15	256QAM	1	0	18.36	18.51	18.43	
15	256QAM	1	37	18.39	18.57	18.49	20
15	256QAM	1	74	18.34	18.54	18.44	
15	256QAM	36	0	18.11	18.27	18.18	
15	256QAM	36	20	18.13	18.25	18.09	20



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15	256QAM	36	39	18.07	18.32	18.08	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.30	18.18	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.19	23.03	22.89	23.6
10	QPSK	1	25	23.01	23.04	23.03	
10	QPSK	1	49	23.15	23.04	22.80	
10	QPSK	25	0	22.88	22.80	22.72	23.6
10	QPSK	25	12	22.75	22.82	22.65	
10	QPSK	25	25	22.79	22.78	22.71	
10	QPSK	50	0	22.84	22.81	22.71	
10	16QAM	1	0	22.87	22.87	22.76	23.6
10	16QAM	1	25	22.72	22.63	22.49	
10	16QAM	1	49	22.71	22.86	22.66	
10	16QAM	25	0	21.83	21.82	21.72	23
10	16QAM	25	12	21.79	21.80	21.72	
10	16QAM	25	25	21.71	21.87	21.70	
10	16QAM	50	0	21.86	21.93	21.71	
10	64QAM	1	0	22.13	22.03	21.86	23
10	64QAM	1	25	22.07	22.19	21.94	
10	64QAM	1	49	22.01	22.10	21.92	
10	64QAM	25	0	20.83	20.92	20.74	22
10	64QAM	25	12	20.79	20.84	20.70	
10	64QAM	25	25	20.82	20.89	20.69	
10	64QAM	50	0	20.86	20.88	20.76	
10	256QAM	1	0	18.35	18.53	18.36	20
10	256QAM	1	25	18.43	18.55	18.44	
10	256QAM	1	49	18.42	18.60	18.44	
10	256QAM	25	0	18.17	18.22	18.13	20
10	256QAM	25	12	18.08	18.27	18.11	
10	256QAM	25	25	18.10	18.26	18.07	
10	256QAM	50	0	18.20	18.36	18.15	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.13	23.06	22.89	23.6
5	QPSK	1	12	23.04	22.95	22.93	
5	QPSK	1	24	23.19	23.08	22.85	
5	QPSK	12	0	22.85	22.76	22.81	23.6
5	QPSK	12	7	22.80	22.77	22.72	
5	QPSK	12	13	22.76	22.76	22.67	
5	QPSK	25	0	22.83	22.81	22.65	
5	16QAM	1	0	22.86	22.89	22.69	23.6
5	16QAM	1	12	22.74	22.61	22.43	
5	16QAM	1	24	22.70	22.84	22.65	
5	16QAM	12	0	21.81	21.84	21.69	23
5	16QAM	12	7	21.75	21.80	21.72	
5	16QAM	12	13	21.78	21.85	21.68	
5	16QAM	25	0	21.76	21.83	21.67	
5	64QAM	1	0	22.11	22.08	21.91	23
5	64QAM	1	12	22.06	22.23	21.89	
5	64QAM	1	24	21.95	22.09	21.89	
5	64QAM	12	0	20.87	20.90	20.75	22
5	64QAM	12	7	20.82	20.86	20.75	
5	64QAM	12	13	20.87	20.88	20.73	
5	64QAM	25	0	20.88	20.89	20.83	
5	256QAM	1	0	18.40	18.53	18.36	20
5	256QAM	1	12	18.40	18.52	18.45	
5	256QAM	1	24	18.40	18.55	18.36	
5	256QAM	12	0	18.20	18.26	18.12	20
5	256QAM	12	7	18.11	18.27	18.09	
5	256QAM	12	13	18.14	18.33	18.09	
5	256QAM	25	0	18.25	18.31	18.13	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.14	23.11	22.84	23.6
3	QPSK	1	8	23.03	23.04	22.97	
3	QPSK	1	14	23.09	23.10	22.75	
3	QPSK	8	0	22.84	22.76	22.79	23.6
3	QPSK	8	4	22.82	22.83	22.72	
3	QPSK	8	7	22.83	22.75	22.72	
3	QPSK	15	0	22.83	22.81	22.62	23.6
3	16QAM	1	0	22.88	22.89	22.72	
3	16QAM	1	8	22.73	22.67	22.44	
3	16QAM	1	14	22.72	22.83	22.66	23
3	16QAM	8	0	21.87	21.85	21.73	
3	16QAM	8	4	21.84	21.85	21.76	
3	16QAM	8	7	21.80	21.88	21.66	23
3	16QAM	15	0	21.85	21.89	21.69	
3	64QAM	1	0	22.16	22.09	21.88	
3	64QAM	1	8	22.08	22.20	21.94	22
3	64QAM	1	14	22.03	22.00	21.94	
3	64QAM	8	0	20.92	20.96	20.81	
3	64QAM	8	4	20.82	20.92	20.75	20
3	64QAM	8	7	20.81	20.86	20.69	
3	64QAM	15	0	20.83	20.88	20.82	
3	256QAM	1	0	18.42	18.52	18.42	20
3	256QAM	1	8	18.37	18.57	18.45	
3	256QAM	1	14	18.43	18.59	18.38	
3	256QAM	8	0	18.16	18.28	18.13	20
3	256QAM	8	4	18.03	18.29	18.14	
3	256QAM	8	7	18.04	18.25	18.05	
3	256QAM	15	0	18.26	18.35	18.23	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.16	23.09	22.91	23.6
1.4	QPSK	1	3	23.04	22.95	23.00	
1.4	QPSK	1	5	23.13	23.08	22.80	
1.4	QPSK	3	0	22.85	22.86	22.79	23.6
1.4	QPSK	3	1	22.73	22.76	22.63	
1.4	QPSK	3	3	22.82	22.82	22.64	
1.4	QPSK	6	0	22.84	22.89	22.72	23.6
1.4	16QAM	1	0	22.88	22.91	22.73	23.6
1.4	16QAM	1	3	22.76	22.58	22.47	
1.4	16QAM	1	5	22.78	22.79	22.59	
1.4	16QAM	3	0	21.86	21.83	21.70	23
1.4	16QAM	3	1	21.84	21.82	21.71	
1.4	16QAM	3	3	21.80	21.90	21.71	
1.4	16QAM	6	0	21.77	21.86	21.68	23
1.4	64QAM	1	0	21.82	22.05	21.90	23
1.4	64QAM	1	3	21.85	22.22	21.87	
1.4	64QAM	1	5	21.97	22.03	21.91	
1.4	64QAM	3	0	21.83	21.85	21.85	22
1.4	64QAM	3	1	21.84	21.84	21.92	
1.4	64QAM	3	3	21.82	21.83	21.83	
1.4	64QAM	6	0	20.86	20.89	20.75	22
1.4	256QAM	1	0	18.34	18.46	18.42	20
1.4	256QAM	1	3	18.38	18.56	18.43	
1.4	256QAM	1	5	18.40	18.52	18.36	
1.4	256QAM	3	0	18.14	18.30	18.16	20
1.4	256QAM	3	1	18.09	18.25	18.06	
1.4	256QAM	3	3	18.10	18.26	18.14	
1.4	256QAM	6	0	18.27	18.32	18.22	20



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.34	19.32	19.18	
20	QPSK	1	49	19.14	19.14	19.00	19.6
20	QPSK	1	99	19.14	19.11	18.94	
20	QPSK	50	0	19.25	19.23	19.03	
20	QPSK	50	24	19.20	19.21	19.02	19.6
20	QPSK	50	50	19.21	19.17	19.01	
20	QPSK	100	0	19.20	19.20	19.06	
20	16QAM	1	0	19.27	19.31	19.20	19.6
20	16QAM	1	49	19.18	19.26	19.13	
20	16QAM	1	99	19.24	19.33	19.10	
20	16QAM	50	0	19.21	19.22	19.03	19.6
20	16QAM	50	24	19.18	19.16	19.03	
20	16QAM	50	50	19.21	19.13	19.05	
20	16QAM	100	0	19.24	19.17	19.06	19.6
20	64QAM	1	0	19.30	19.25	19.10	
20	64QAM	1	49	19.25	19.24	19.22	
20	64QAM	1	99	19.21	19.33	19.20	19.6
20	64QAM	50	0	19.29	19.25	19.08	
20	64QAM	50	24	19.30	19.27	19.10	
20	64QAM	50	50	19.29	19.21	19.07	19.6
20	64QAM	100	0	19.21	19.20	18.99	
20	256QAM	1	0	19.26	19.23	19.08	
20	256QAM	1	49	19.32	19.27	19.17	19.6
20	256QAM	1	99	19.20	19.11	19.00	
20	256QAM	50	0	19.14	19.03	18.89	
20	256QAM	50	24	19.08	19.07	18.93	19.6
20	256QAM	50	50	19.13	19.05	18.88	
20	256QAM	100	0	19.00	18.99	18.84	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.21	19.18	19.01	
15	QPSK	1	37	18.95	18.98	18.86	19.6
15	QPSK	1	74	18.97	18.96	18.81	
15	QPSK	36	0	19.05	19.07	18.83	
15	QPSK	36	20	19.01	19.10	18.88	19.6
15	QPSK	36	39	19.07	19.00	18.89	
15	QPSK	75	0	19.00	19.00	18.86	
15	16QAM	1	0	19.13	19.13	19.00	19.6
15	16QAM	1	37	19.08	19.08	18.97	
15	16QAM	1	74	19.09	19.20	18.95	
15	16QAM	36	0	19.08	19.04	18.86	19.6
15	16QAM	36	20	19.01	18.98	18.90	
15	16QAM	36	39	19.03	19.00	18.88	
15	16QAM	75	0	19.10	19.00	18.90	19.6
15	64QAM	1	0	19.19	19.14	18.93	
15	64QAM	1	37	19.10	19.06	19.05	
15	64QAM	1	74	19.09	19.17	19.04	19.6
15	64QAM	36	0	19.19	19.07	18.91	
15	64QAM	36	20	19.12	19.07	19.00	
15	64QAM	36	39	19.18	19.01	18.97	19.6
15	64QAM	75	0	19.02	19.04	18.81	
15	256QAM	1	0	19.06	19.10	18.91	
15	256QAM	1	37	19.19	19.15	19.03	19.6
15	256QAM	1	74	19.04	18.99	18.85	
15	256QAM	36	0	19.01	18.90	18.72	
15	256QAM	36	20	18.88	18.87	18.77	19.6



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15	256QAM	36	39	18.99	18.93	18.75	Tune-up limit (dBm)
15	256QAM	75	0	18.86	18.87	18.65	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.18	19.15	19.08	19.6
10	QPSK	1	25	19.03	19.03	18.83	
10	QPSK	1	49	18.94	18.95	18.79	
10	QPSK	25	0	19.13	19.07	18.92	19.6
10	QPSK	25	12	19.01	19.11	18.89	
10	QPSK	25	25	19.05	19.01	18.82	
10	QPSK	50	0	19.09	19.01	18.88	
10	16QAM	1	0	19.11	19.14	19.07	19.6
10	16QAM	1	25	19.07	19.07	18.97	
10	16QAM	1	49	19.04	19.23	18.96	
10	16QAM	25	0	19.08	19.07	18.93	19.6
10	16QAM	25	12	19.00	19.06	18.86	
10	16QAM	25	25	19.06	18.96	18.91	
10	16QAM	50	0	19.05	19.02	18.95	
10	64QAM	1	0	19.13	19.12	18.97	19.6
10	64QAM	1	25	19.10	19.06	19.04	
10	64QAM	1	49	19.06	19.16	19.06	
10	64QAM	25	0	19.19	19.06	18.92	19.6
10	64QAM	25	12	19.17	19.15	18.94	
10	64QAM	25	25	19.14	19.10	18.89	
10	64QAM	50	0	19.09	19.06	18.83	
10	256QAM	1	0	19.13	19.08	18.89	19.6
10	256QAM	1	25	19.17	19.09	19.06	
10	256QAM	1	49	19.00	19.00	18.83	
10	256QAM	25	0	18.97	18.89	18.77	19.6
10	256QAM	25	12	18.97	18.90	18.78	
10	256QAM	25	25	19.02	18.87	18.77	
10	256QAM	50	0	18.83	18.87	18.73	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.17	19.14	18.98	19.6
5	QPSK	1	12	18.95	19.02	18.89	
5	QPSK	1	24	19.04	18.95	18.83	
5	QPSK	12	0	19.06	19.11	18.92	19.6
5	QPSK	12	7	19.02	19.11	18.82	
5	QPSK	12	13	19.02	19.01	18.88	
5	QPSK	25	0	19.09	19.04	18.94	
5	16QAM	1	0	19.15	19.12	19.08	19.6
5	16QAM	1	12	18.98	19.08	19.01	
5	16QAM	1	24	19.13	19.20	18.93	
5	16QAM	12	0	19.03	19.03	18.88	19.6
5	16QAM	12	7	19.00	19.01	18.85	
5	16QAM	12	13	19.06	19.03	18.88	
5	16QAM	25	0	19.08	19.06	18.87	
5	64QAM	1	0	19.18	19.06	18.96	19.6
5	64QAM	1	12	19.11	19.04	19.03	
5	64QAM	1	24	19.04	19.19	19.03	
5	64QAM	12	0	19.18	19.13	18.95	19.6
5	64QAM	12	7	19.13	19.16	18.98	
5	64QAM	12	13	19.19	19.01	18.97	
5	64QAM	25	0	19.06	19.08	18.81	
5	256QAM	1	0	19.11	19.03	18.97	19.6
5	256QAM	1	12	19.18	19.17	19.02	
5	256QAM	1	24	19.08	18.94	18.80	
5	256QAM	12	0	19.01	18.92	18.72	19.6
5	256QAM	12	7	18.93	18.96	18.80	
5	256QAM	12	13	19.00	18.91	18.73	
5	256QAM	25	0	18.83	18.86	18.70	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.18	19.21	19.04	19.6
3	QPSK	1	8	19.01	18.98	18.89	
3	QPSK	1	14	18.99	18.91	18.76	
3	QPSK	8	0	19.10	19.08	18.83	19.6
3	QPSK	8	4	19.07	19.02	18.82	
3	QPSK	8	7	19.04	19.06	18.86	
3	QPSK	15	0	19.02	19.02	18.87	
3	16QAM	1	0	19.16	19.17	19.02	19.6
3	16QAM	1	8	19.04	19.06	18.96	
3	16QAM	1	14	19.08	19.13	18.92	
3	16QAM	8	0	19.11	19.03	18.91	19.6
3	16QAM	8	4	19.00	18.99	18.86	
3	16QAM	8	7	19.07	19.03	18.85	
3	16QAM	15	0	19.12	19.01	18.96	
3	64QAM	1	0	19.11	19.10	18.95	19.6
3	64QAM	1	8	19.09	19.04	19.04	
3	64QAM	1	14	19.07	19.19	19.09	
3	64QAM	8	0	19.15	19.11	18.97	19.6
3	64QAM	8	4	19.13	19.13	18.97	
3	64QAM	8	7	19.10	19.08	18.91	
3	64QAM	15	0	19.11	19.09	18.88	
3	256QAM	1	0	19.07	19.07	18.93	19.6
3	256QAM	1	8	19.18	19.12	19.04	
3	256QAM	1	14	19.09	19.01	18.87	
3	256QAM	8	0	19.00	18.91	18.76	19.6
3	256QAM	8	4	18.91	18.90	18.78	
3	256QAM	8	7	18.96	18.85	18.73	
3	256QAM	15	0	18.87	18.88	18.74	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.17	19.14	18.98	19.6
1.4	QPSK	1	3	18.99	18.98	18.85	
1.4	QPSK	1	5	18.95	18.98	18.77	
1.4	QPSK	3	0	19.13	19.08	18.93	
1.4	QPSK	3	1	19.02	19.05	18.92	
1.4	QPSK	3	3	19.06	18.99	18.91	
1.4	QPSK	6	0	19.05	19.06	18.89	19.6
1.4	16QAM	1	0	19.15	19.14	19.04	19.6
1.4	16QAM	1	3	19.04	19.06	19.01	
1.4	16QAM	1	5	19.07	19.21	18.92	
1.4	16QAM	3	0	19.11	19.05	18.89	
1.4	16QAM	3	1	19.04	19.02	18.84	
1.4	16QAM	3	3	19.04	18.93	18.87	19.6
1.4	16QAM	6	0	19.05	19.05	18.95	
1.4	64QAM	1	0	19.10	19.12	18.93	
1.4	64QAM	1	3	19.09	19.09	19.10	
1.4	64QAM	1	5	19.01	19.22	19.06	19.6
1.4	64QAM	3	0	19.16	19.13	18.98	
1.4	64QAM	3	1	19.20	19.09	19.00	
1.4	64QAM	3	3	19.14	19.08	18.97	
1.4	64QAM	6	0	19.07	19.10	18.89	19.6
1.4	256QAM	1	0	19.07	19.03	18.89	19.6
1.4	256QAM	1	3	19.13	19.07	19.02	
1.4	256QAM	1	5	19.10	18.91	18.81	
1.4	256QAM	3	0	19.03	18.87	18.73	
1.4	256QAM	3	1	18.92	18.94	18.77	
1.4	256QAM	3	3	18.96	18.85	18.73	19.6
1.4	256QAM	6	0	18.84	18.89	18.65	



<LTE Band 25_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.93	23.85	23.83	
20	QPSK	1	49	23.87	23.84	23.55	25
20	QPSK	1	99	23.77	23.79	23.71	
20	QPSK	50	0	22.86	22.85	22.67	
20	QPSK	50	24	22.84	22.81	22.66	24
20	QPSK	50	50	22.85	22.84	22.74	
20	QPSK	100	0	22.79	22.70	22.76	
20	16QAM	1	0	23.08	23.18	23.06	24
20	16QAM	1	49	23.05	23.18	23.06	
20	16QAM	1	99	23.08	23.15	22.99	
20	16QAM	50	0	21.89	21.87	21.77	23
20	16QAM	50	24	21.79	21.83	21.76	
20	16QAM	50	50	21.84	21.80	21.68	
20	16QAM	100	0	21.70	21.89	21.69	23
20	64QAM	1	0	22.26	22.09	22.04	
20	64QAM	1	49	22.16	22.14	21.91	
20	64QAM	1	99	22.01	22.04	21.90	22
20	64QAM	50	0	20.81	20.84	20.74	
20	64QAM	50	24	20.80	20.79	20.66	
20	64QAM	50	50	20.75	20.80	20.71	20
20	64QAM	100	0	20.77	20.79	20.68	
20	256QAM	1	0	18.79	18.97	18.89	
20	256QAM	1	49	18.28	18.52	18.34	20
20	256QAM	1	99	18.56	18.79	18.61	
20	256QAM	50	0	18.56	18.76	18.65	20
20	256QAM	50	24	18.43	18.70	18.52	
20	256QAM	50	50	18.50	18.68	18.54	
20	256QAM	100	0	18.40	18.68	18.59	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.88	23.67	23.83	25
15	QPSK	1	37	23.86	23.77	23.52	
15	QPSK	1	74	23.69	23.63	23.67	
15	QPSK	36	0	22.74	22.81	22.58	24
15	QPSK	36	20	22.77	22.79	22.66	
15	QPSK	36	39	22.73	22.74	22.60	
15	QPSK	75	0	22.66	22.51	22.64	24
15	16QAM	1	0	23.05	22.98	23.01	
15	16QAM	1	37	22.98	23.06	22.99	
15	16QAM	1	74	22.91	23.02	22.81	23
15	16QAM	36	0	21.73	21.87	21.57	
15	16QAM	36	20	21.64	21.64	21.66	
15	16QAM	36	39	21.72	21.60	21.57	23
15	16QAM	75	0	21.64	21.69	21.60	
15	64QAM	1	0	22.09	21.95	21.94	
15	64QAM	1	37	22.10	22.02	21.81	22
15	64QAM	1	74	21.88	22.04	21.71	
15	64QAM	36	0	20.71	20.83	20.72	
15	64QAM	36	20	20.66	20.73	20.60	20
15	64QAM	36	39	20.64	20.69	20.66	
15	64QAM	75	0	20.77	20.72	20.58	
15	256QAM	1	0	18.67	18.83	18.70	20
15	256QAM	1	37	18.24	18.43	18.25	
15	256QAM	1	74	18.55	18.71	18.45	
15	256QAM	36	0	18.50	18.59	18.53	20
15	256QAM	36	20	18.25	18.54	18.41	



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15	256QAM	36	39	18.33	18.49	18.36	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.68	18.49	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.79	23.69	25
10	QPSK	1	25	23.79	23.75	23.52	
10	QPSK	1	49	23.61	23.62	23.60	
10	QPSK	25	0	22.71	22.73	22.64	24
10	QPSK	25	12	22.76	22.77	22.56	
10	QPSK	25	25	22.81	22.73	22.70	
10	QPSK	50	0	22.61	22.56	22.61	
10	16QAM	1	0	22.95	23.03	22.99	24
10	16QAM	1	25	22.88	23.12	22.88	
10	16QAM	1	49	22.96	23.09	22.95	
10	16QAM	25	0	21.82	21.82	21.60	23
10	16QAM	25	12	21.74	21.63	21.66	
10	16QAM	25	25	21.65	21.63	21.48	
10	16QAM	50	0	21.55	21.78	21.63	
10	64QAM	1	0	22.08	21.97	22.01	23
10	64QAM	1	25	22.04	22.14	21.77	
10	64QAM	1	49	21.85	21.90	21.89	
10	64QAM	25	0	20.73	20.76	20.62	22
10	64QAM	25	12	20.65	20.73	20.62	
10	64QAM	25	25	20.67	20.74	20.51	
10	64QAM	50	0	20.62	20.67	20.49	
10	256QAM	1	0	18.62	18.89	18.89	20
10	256QAM	1	25	18.17	18.36	18.29	
10	256QAM	1	49	18.40	18.77	18.60	
10	256QAM	25	0	18.48	18.68	18.49	20
10	256QAM	25	12	18.36	18.53	18.49	
10	256QAM	25	25	18.33	18.58	18.35	
10	256QAM	50	0	18.24	18.59	18.58	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.86	23.78	23.79	25
5	QPSK	1	12	23.72	23.67	23.40	
5	QPSK	1	24	23.57	23.75	23.61	
5	QPSK	12	0	22.58	22.78	22.67	24
5	QPSK	12	7	22.69	22.77	22.50	
5	QPSK	12	13	22.81	22.71	22.62	
5	QPSK	25	0	22.60	22.54	22.75	
5	16QAM	1	0	23.06	23.01	22.96	24
5	16QAM	1	12	22.92	23.16	22.87	
5	16QAM	1	24	22.95	23.15	22.88	
5	16QAM	12	0	21.72	21.68	21.73	23
5	16QAM	12	7	21.77	21.73	21.72	
5	16QAM	12	13	21.68	21.66	21.58	
5	16QAM	25	0	21.69	21.71	21.55	
5	64QAM	1	0	22.19	22.01	21.90	23
5	64QAM	1	12	22.10	22.02	21.88	
5	64QAM	1	24	21.97	21.95	21.73	
5	64QAM	12	0	20.81	20.66	20.60	22
5	64QAM	12	7	20.69	20.59	20.66	
5	64QAM	12	13	20.69	20.69	20.51	
5	64QAM	25	0	20.70	20.64	20.66	
5	256QAM	1	0	18.69	18.88	18.77	20
5	256QAM	1	12	18.18	18.38	18.22	
5	256QAM	1	24	18.53	18.76	18.45	
5	256QAM	12	0	18.48	18.68	18.55	20
5	256QAM	12	7	18.37	18.58	18.40	
5	256QAM	12	13	18.35	18.56	18.45	
5	256QAM	25	0	18.24	18.55	18.42	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.84	23.68	23.68	25
3	QPSK	1	8	23.74	23.77	23.48	
3	QPSK	1	14	23.59	23.68	23.51	
3	QPSK	8	0	22.61	22.66	22.59	24
3	QPSK	8	4	22.67	22.77	22.58	
3	QPSK	8	7	22.70	22.81	22.67	
3	QPSK	15	0	22.65	22.68	22.68	24
3	16QAM	1	0	23.08	22.98	23.02	
3	16QAM	1	8	22.92	23.07	22.94	
3	16QAM	1	14	23.00	23.07	22.93	23
3	16QAM	8	0	21.81	21.73	21.64	
3	16QAM	8	4	21.60	21.71	21.56	
3	16QAM	8	7	21.72	21.77	21.58	23
3	16QAM	15	0	21.60	21.73	21.50	
3	64QAM	1	0	22.18	21.98	22.00	
3	64QAM	1	8	22.04	21.98	21.71	22
3	64QAM	1	14	22.01	21.93	21.83	
3	64QAM	8	0	20.64	20.74	20.71	
3	64QAM	8	4	20.70	20.78	20.56	20
3	64QAM	8	7	20.73	20.76	20.62	
3	64QAM	15	0	20.60	20.62	20.63	
3	256QAM	1	0	18.75	18.93	18.72	20
3	256QAM	1	8	18.17	18.44	18.14	
3	256QAM	1	14	18.40	18.69	18.56	
3	256QAM	8	0	18.45	18.65	18.60	20
3	256QAM	8	4	18.36	18.67	18.44	
3	256QAM	8	7	18.47	18.61	18.37	
3	256QAM	15	0	18.36	18.52	18.57	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.91	23.76	23.82	25
1.4	QPSK	1	3	23.81	23.72	23.46	
1.4	QPSK	1	5	23.67	23.63	23.65	
1.4	QPSK	3	0	23.90	23.78	23.80	24
1.4	QPSK	3	1	23.72	23.72	23.37	
1.4	QPSK	3	3	23.60	23.75	23.65	
1.4	QPSK	6	0	22.58	22.85	22.55	24
1.4	16QAM	1	0	22.79	22.76	22.59	
1.4	16QAM	1	3	22.80	22.73	22.72	
1.4	16QAM	1	5	22.70	22.61	22.61	23
1.4	16QAM	3	0	23.06	23.17	22.97	
1.4	16QAM	3	1	22.86	23.15	23.04	
1.4	16QAM	3	3	22.89	23.04	22.79	23
1.4	16QAM	6	0	21.81	21.85	21.65	
1.4	64QAM	1	0	21.62	21.63	21.61	
1.4	64QAM	1	3	21.76	21.71	21.49	23
1.4	64QAM	1	5	21.52	21.84	21.52	
1.4	64QAM	3	0	22.24	22.02	21.91	
1.4	64QAM	3	1	22.00	22.08	21.77	22
1.4	64QAM	3	3	21.89	21.93	21.70	
1.4	64QAM	6	0	20.80	20.78	20.54	
1.4	256QAM	1	0	18.73	18.96	18.71	20
1.4	256QAM	1	3	18.21	18.39	18.20	
1.4	256QAM	1	5	18.41	18.65	18.50	
1.4	256QAM	3	0	18.37	18.58	18.65	20
1.4	256QAM	3	1	18.27	18.56	18.37	
1.4	256QAM	3	3	18.46	18.55	18.47	
1.4	256QAM	6	0	18.32	18.56	18.51	20



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.93	23.98	23.89	
20	QPSK	1	49	23.71	23.86	23.57	25
20	QPSK	1	99	23.79	23.86	23.76	
20	QPSK	50	0	22.83	22.89	22.74	
20	QPSK	50	24	22.80	22.86	22.72	24
20	QPSK	50	50	22.79	22.79	22.73	
20	QPSK	100	0	22.81	22.87	22.78	
20	16QAM	1	0	23.07	23.08	22.95	24
20	16QAM	1	49	23.10	23.08	23.01	
20	16QAM	1	99	23.02	23.16	22.95	
20	16QAM	50	0	21.85	21.89	21.77	23
20	16QAM	50	24	21.79	21.88	21.77	
20	16QAM	50	50	21.78	21.82	21.77	
20	16QAM	100	0	21.80	21.90	21.78	23
20	64QAM	1	0	22.17	22.15	21.96	
20	64QAM	1	49	21.91	22.00	22.20	
20	64QAM	1	99	22.05	22.01	21.90	22
20	64QAM	50	0	20.92	20.98	20.89	
20	64QAM	50	24	20.91	20.99	20.92	
20	64QAM	50	50	20.89	20.91	20.87	20
20	64QAM	100	0	20.85	20.96	20.86	
20	256QAM	1	0	19.08	19.14	18.96	
20	256QAM	1	49	18.73	18.88	18.68	20
20	256QAM	1	99	18.91	18.98	18.75	
20	256QAM	50	0	18.89	18.96	18.70	
20	256QAM	50	24	18.77	18.86	18.61	20
20	256QAM	50	50	18.76	18.90	18.62	
20	256QAM	100	0	18.86	18.92	18.68	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.92	23.85	23.84	
15	QPSK	1	37	23.58	23.82	23.37	25
15	QPSK	1	74	23.65	23.73	23.72	
15	QPSK	36	0	22.67	22.88	22.73	24
15	QPSK	36	20	22.74	22.71	22.60	
15	QPSK	36	39	22.76	22.76	22.68	
15	QPSK	75	0	22.69	22.71	22.68	24
15	16QAM	1	0	22.92	23.02	22.81	
15	16QAM	1	37	23.10	22.94	22.92	
15	16QAM	1	74	23.00	23.11	22.88	23
15	16QAM	36	0	21.65	21.89	21.76	
15	16QAM	36	20	21.67	21.81	21.65	
15	16QAM	36	39	21.75	21.67	21.74	23
15	16QAM	75	0	21.80	21.84	21.59	
15	64QAM	1	0	22.04	21.99	21.80	
15	64QAM	1	37	21.86	21.86	22.00	23
15	64QAM	1	74	21.85	21.85	21.89	
15	64QAM	36	0	20.83	20.89	20.73	
15	64QAM	36	20	20.71	20.95	20.85	22
15	64QAM	36	39	20.81	20.73	20.86	
15	64QAM	75	0	20.71	20.84	20.76	
15	256QAM	1	0	18.88	18.95	18.92	20
15	256QAM	1	37	18.58	18.70	18.66	
15	256QAM	1	74	18.84	18.88	18.58	
15	256QAM	36	0	18.85	18.82	18.50	20



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15	256QAM	36	20	18.66	18.69	18.61	
15	256QAM	36	39	18.72	18.76	18.49	
15	256QAM	75	0	18.82	18.72	18.67	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.94	23.75	25
10	QPSK	1	25	23.55	23.76	23.49	
10	QPSK	1	49	23.75	23.79	23.67	
10	QPSK	25	0	22.81	22.72	22.63	24
10	QPSK	25	12	22.76	22.72	22.69	
10	QPSK	25	25	22.64	22.73	22.73	
10	QPSK	50	0	22.64	22.82	22.66	24
10	16QAM	1	0	22.96	22.93	22.84	
10	16QAM	1	25	22.92	22.91	22.98	
10	16QAM	1	49	22.99	23.06	22.82	23
10	16QAM	25	0	21.77	21.88	21.75	
10	16QAM	25	12	21.64	21.84	21.59	
10	16QAM	25	25	21.63	21.67	21.66	23
10	16QAM	50	0	21.73	21.82	21.74	
10	64QAM	1	0	22.13	21.95	21.95	
10	64QAM	1	25	21.80	21.99	22.05	22
10	64QAM	1	49	21.92	21.94	21.73	
10	64QAM	25	0	20.88	20.78	20.81	
10	64QAM	25	12	20.79	20.94	20.78	20
10	64QAM	25	25	20.77	20.71	20.84	
10	64QAM	50	0	20.83	20.92	20.82	
10	256QAM	1	0	19.04	19.12	18.90	20
10	256QAM	1	25	18.64	18.75	18.51	
10	256QAM	1	49	18.74	18.92	18.74	
10	256QAM	25	0	18.79	18.79	18.52	20
10	256QAM	25	12	18.70	18.85	18.44	
10	256QAM	25	25	18.64	18.71	18.60	
10	256QAM	50	0	18.86	18.90	18.48	Tune-up limit (dBm)
Channel				26065	26340	26665	
Frequency (MHz)				1852.5	1880	1912.5	Tune-up limit (dBm)
5	QPSK	1	0	23.90	23.96	23.72	
5	QPSK	1	12	23.58	23.70	23.52	25
5	QPSK	1	24	23.78	23.73	23.73	
5	QPSK	12	0	22.64	22.76	22.56	24
5	QPSK	12	7	22.63	22.81	22.66	
5	QPSK	12	13	22.77	22.69	22.63	
5	QPSK	25	0	22.66	22.80	22.77	24
5	16QAM	1	0	22.90	23.06	22.86	
5	16QAM	1	12	22.99	22.88	22.81	
5	16QAM	1	24	22.92	23.00	22.85	23
5	16QAM	12	0	21.71	21.78	21.75	
5	16QAM	12	7	21.71	21.87	21.58	
5	16QAM	12	13	21.60	21.63	21.70	23
5	16QAM	25	0	21.60	21.75	21.63	
5	64QAM	1	0	22.07	22.09	21.83	
5	64QAM	1	12	21.71	21.93	22.06	22
5	64QAM	1	24	21.99	21.97	21.89	
5	64QAM	12	0	20.86	20.83	20.85	
5	64QAM	12	7	20.82	20.87	20.77	20
5	64QAM	12	13	20.71	20.81	20.67	
5	64QAM	25	0	20.83	20.81	20.71	
5	256QAM	1	0	19.04	18.96	18.96	20
5	256QAM	1	12	18.68	18.74	18.51	
5	256QAM	1	24	18.90	18.92	18.60	
5	256QAM	12	0	18.72	18.95	18.67	20
5	256QAM	12	7	18.57	18.71	18.52	
5	256QAM	12	13	18.67	18.80	18.61	
5	256QAM	25	0	18.77	18.89	18.59	



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Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.80	23.88	23.76	25
3	QPSK	1	8	23.57	23.74	23.55	
3	QPSK	1	14	23.59	23.86	23.59	
3	QPSK	8	0	22.75	22.77	22.73	24
3	QPSK	8	4	22.68	22.76	22.65	
3	QPSK	8	7	22.70	22.67	22.61	
3	QPSK	15	0	22.61	22.79	22.59	24
3	16QAM	1	0	22.98	23.06	22.78	
3	16QAM	1	8	23.03	22.97	22.84	
3	16QAM	1	14	22.82	23.05	22.76	23
3	16QAM	8	0	21.68	21.85	21.62	
3	16QAM	8	4	21.78	21.82	21.60	
3	16QAM	8	7	21.69	21.81	21.60	23
3	16QAM	15	0	21.62	21.85	21.64	
3	64QAM	1	0	22.00	22.09	21.88	
3	64QAM	1	8	21.91	21.98	22.03	23
3	64QAM	1	14	21.97	21.95	21.88	
3	64QAM	8	0	20.81	20.98	20.79	
3	64QAM	8	4	20.91	20.82	20.77	22
3	64QAM	8	7	20.79	20.86	20.71	
3	64QAM	15	0	20.84	20.91	20.73	
3	256QAM	1	0	18.90	18.96	18.76	20
3	256QAM	1	8	18.68	18.84	18.48	
3	256QAM	1	14	18.89	18.89	18.57	
3	256QAM	8	0	18.89	18.81	18.63	20
3	256QAM	8	4	18.69	18.86	18.57	
3	256QAM	8	7	18.74	18.78	18.46	
3	256QAM	15	0	18.75	18.80	18.49	
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	23.81	23.82	23.69	25
1.4	QPSK	1	3	23.68	23.77	23.38	
1.4	QPSK	1	5	23.68	23.70	23.60	
1.4	QPSK	3	0	23.75	23.88	23.79	
1.4	QPSK	3	1	23.69	23.82	23.39	
1.4	QPSK	3	3	23.70	23.81	23.65	
1.4	QPSK	6	0	22.76	22.72	22.58	24
1.4	16QAM	1	0	22.77	22.78	22.62	24
1.4	16QAM	1	3	22.77	22.79	22.54	
1.4	16QAM	1	5	22.79	22.81	22.64	
1.4	16QAM	3	0	22.87	22.89	22.91	
1.4	16QAM	3	1	22.96	23.07	22.87	
1.4	16QAM	3	3	22.85	23.08	22.87	23
1.4	16QAM	6	0	21.75	21.80	21.63	
1.4	64QAM	1	0	21.74	21.75	21.58	
1.4	64QAM	1	3	21.70	21.65	21.64	23
1.4	64QAM	1	5	21.76	21.73	21.68	
1.4	64QAM	3	0	22.06	21.99	21.93	
1.4	64QAM	3	1	21.76	21.90	22.11	
1.4	64QAM	3	3	21.93	21.96	21.78	
1.4	64QAM	6	0	20.92	20.78	20.79	22
1.4	256QAM	1	0	19.01	19.07	18.81	20
1.4	256QAM	1	3	18.63	18.74	18.51	
1.4	256QAM	1	5	18.75	18.81	18.68	
1.4	256QAM	3	0	18.86	18.89	18.51	
1.4	256QAM	3	1	18.69	18.71	18.42	
1.4	256QAM	3	3	18.74	18.77	18.54	20
1.4	256QAM	6	0	18.75	18.92	18.55	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	16.17	16.21	16.13	
20	QPSK	1	49	15.98	16.11	15.95	16.5
20	QPSK	1	99	16.13	16.08	15.95	
20	QPSK	50	0	16.11	16.18	16.11	
20	QPSK	50	24	16.03	16.13	16.09	16.5
20	QPSK	50	50	16.09	16.17	16.04	
20	QPSK	100	0	16.07	16.09	16.08	
20	16QAM	1	0	16.07	16.04	16.06	16.5
20	16QAM	1	49	16.06	16.05	16.09	
20	16QAM	1	99	16.02	16.09	16.09	
20	16QAM	50	0	16.05	16.05	16.08	16.5
20	16QAM	50	24	16.12	16.13	16.08	
20	16QAM	50	50	16.10	16.15	16.04	
20	16QAM	100	0	16.17	16.18	16.09	16.5
20	64QAM	1	0	16.05	16.05	16.12	
20	64QAM	1	49	16.02	16.05	16.02	
20	64QAM	1	99	16.03	16.12	16.19	16.5
20	64QAM	50	0	16.13	16.07	16.19	
20	64QAM	50	24	16.12	16.19	16.16	
20	64QAM	50	50	16.05	16.18	16.10	16.5
20	64QAM	100	0	16.16	16.11	16.14	
20	256QAM	1	0	16.10	16.19	16.08	
20	256QAM	1	49	16.15	16.08	16.09	16.5
20	256QAM	1	99	16.04	16.07	16.05	
20	256QAM	50	0	16.08	16.02	15.93	
20	256QAM	50	24	15.98	16.10	16.06	16.5
20	256QAM	50	50	15.97	16.14	15.99	
20	256QAM	100	0	16.01	16.20	15.93	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	15.98	16.16	16.13	
15	QPSK	1	37	15.97	15.93	15.95	16.5
15	QPSK	1	74	15.93	16.01	15.83	
15	QPSK	36	0	16.07	16.04	16.05	
15	QPSK	36	20	15.90	15.94	16.03	16.5
15	QPSK	36	39	16.01	16.10	15.98	
15	QPSK	75	0	15.93	15.90	16.01	
15	16QAM	1	0	16.02	16.04	15.97	16.5
15	16QAM	1	37	15.88	15.96	15.90	
15	16QAM	1	74	15.93	15.91	15.90	
15	16QAM	36	0	15.98	15.98	15.88	16.5
15	16QAM	36	20	16.03	16.06	15.92	
15	16QAM	36	39	15.97	15.96	15.91	
15	16QAM	75	0	16.13	16.14	16.05	16.5
15	64QAM	1	0	15.95	16.05	16.07	
15	64QAM	1	37	15.82	15.93	15.96	
15	64QAM	1	74	15.88	15.99	16.03	16.5
15	64QAM	36	0	16.02	15.88	16.10	
15	64QAM	36	20	16.04	16.16	16.07	
15	64QAM	36	39	15.92	16.11	16.07	16.5
15	64QAM	75	0	16.06	16.01	16.13	
15	256QAM	1	0	15.93	16.06	15.97	
15	256QAM	1	37	15.98	15.94	15.96	16.5
15	256QAM	1	74	15.99	15.94	15.96	
15	256QAM	36	0	15.89	15.99	15.75	
15	256QAM	36	20	15.95	16.02	15.93	16.5



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15	256QAM	36	39	15.78	15.95	15.95	Tune-up limit (dBm)
15	256QAM	75	0	16.00	16.16	15.87	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	15.99	16.12	15.95	16.5
10	QPSK	1	25	15.81	16.06	15.75	
10	QPSK	1	49	16.04	15.91	15.86	
10	QPSK	25	0	16.03	16.18	16.04	16.5
10	QPSK	25	12	15.88	16.10	16.05	
10	QPSK	25	25	15.92	16.14	16.04	
10	QPSK	50	0	15.98	15.98	15.96	
10	16QAM	1	0	15.88	15.87	15.96	16.5
10	16QAM	1	25	15.88	15.89	16.03	
10	16QAM	1	49	15.83	16.02	16.08	
10	16QAM	25	0	15.97	16.01	16.01	16.5
10	16QAM	25	12	15.96	16.08	15.99	
10	16QAM	25	25	16.04	16.07	15.90	
10	16QAM	50	0	16.02	16.17	15.98	
10	64QAM	1	0	15.85	15.90	16.06	16.5
10	64QAM	1	25	15.83	15.95	15.91	
10	64QAM	1	49	15.97	15.94	16.16	
10	64QAM	25	0	15.95	16.07	16.05	16.5
10	64QAM	25	12	16.01	16.15	16.01	
10	64QAM	25	25	15.95	15.99	15.93	
10	64QAM	50	0	15.96	15.91	16.03	
10	256QAM	1	0	16.05	15.99	15.93	16.5
10	256QAM	1	25	16.04	15.92	16.01	
10	256QAM	1	49	15.97	15.87	15.89	
10	256QAM	25	0	15.98	15.87	15.90	16.5
10	256QAM	25	12	15.82	16.01	15.93	
10	256QAM	25	25	15.85	15.97	15.88	
10	256QAM	50	0	16.01	16.12	15.81	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	16.04	16.14	15.97	16.5
5	QPSK	1	12	15.97	16.04	15.77	
5	QPSK	1	24	16.01	15.95	15.79	
5	QPSK	12	0	16.07	16.05	15.92	16.5
5	QPSK	12	7	15.92	16.13	16.05	
5	QPSK	12	13	15.95	15.99	15.95	
5	QPSK	25	0	15.99	15.90	15.97	
5	16QAM	1	0	16.04	15.93	16.04	16.5
5	16QAM	1	12	15.86	16.00	15.92	
5	16QAM	1	24	15.90	15.94	16.08	
5	16QAM	12	0	16.04	15.99	16.02	16.5
5	16QAM	12	7	16.08	16.05	16.00	
5	16QAM	12	13	15.91	15.97	15.97	
5	16QAM	25	0	16.01	16.06	15.93	
5	64QAM	1	0	16.00	15.85	16.05	16.5
5	64QAM	1	12	15.82	16.04	15.83	
5	64QAM	1	24	15.99	15.96	16.03	
5	64QAM	12	0	16.06	15.95	16.17	16.5
5	64QAM	12	7	15.98	16.04	16.11	
5	64QAM	12	13	16.01	16.02	15.96	
5	64QAM	25	0	16.11	16.06	16.03	
5	256QAM	1	0	16.01	16.03	15.89	16.5
5	256QAM	1	12	16.13	16.06	15.90	
5	256QAM	1	24	15.94	15.98	15.97	
5	256QAM	12	0	15.93	15.91	15.77	16.5
5	256QAM	12	7	15.78	15.97	15.99	
5	256QAM	12	13	15.87	15.96	15.91	
5	256QAM	25	0	15.83	16.08	15.88	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	16.16	16.13	15.98	16.5
3	QPSK	1	8	15.85	16.07	15.81	
3	QPSK	1	14	15.93	15.90	15.79	
3	QPSK	8	0	16.11	15.99	16.07	16.5
3	QPSK	8	4	15.94	16.08	15.91	
3	QPSK	8	7	15.99	15.97	16.02	
3	QPSK	15	0	15.97	16.08	16.00	16.5
3	16QAM	1	0	15.96	15.90	16.06	
3	16QAM	1	8	15.89	15.99	15.99	
3	16QAM	1	14	15.95	16.02	15.97	16.5
3	16QAM	8	0	15.93	15.95	16.07	
3	16QAM	8	4	15.96	16.03	15.91	
3	16QAM	8	7	16.05	16.14	16.03	16.5
3	16QAM	15	0	16.07	16.14	16.03	
3	64QAM	1	0	15.94	15.86	15.96	
3	64QAM	1	8	15.82	16.00	15.89	16.5
3	64QAM	1	14	15.92	15.97	15.99	
3	64QAM	8	0	16.10	15.98	16.13	
3	64QAM	8	4	16.06	16.04	16.09	16.5
3	64QAM	8	7	15.95	16.08	16.09	
3	64QAM	15	0	16.11	16.04	16.05	
3	256QAM	1	0	15.94	16.03	15.92	16.5
3	256QAM	1	8	15.99	15.92	16.02	
3	256QAM	1	14	15.85	16.02	15.96	
3	256QAM	8	0	16.04	15.95	15.80	16.5
3	256QAM	8	4	15.78	16.03	15.93	
3	256QAM	8	7	15.84	16.01	15.97	
3	256QAM	15	0	15.96	16.09	15.74	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	16.5
1.4	QPSK	1	0	16.03	16.04	16.01	
1.4	QPSK	1	3	15.94	16.00	15.86	
1.4	QPSK	1	5	16.03	16.02	15.91	16.5
1.4	QPSK	3	0	15.94	16.16	15.93	
1.4	QPSK	3	1	15.91	15.98	16.04	
1.4	QPSK	3	3	15.93	15.99	15.85	16.5
1.4	QPSK	6	0	16.02	16.08	15.96	
1.4	16QAM	1	0	15.94	15.92	16.06	
1.4	16QAM	1	3	16.00	16.00	15.90	16.5
1.4	16QAM	1	5	15.90	16.06	15.90	
1.4	16QAM	3	0	15.98	16.03	16.00	
1.4	16QAM	3	1	16.08	15.95	16.01	16.5
1.4	16QAM	3	3	16.00	16.07	15.89	
1.4	16QAM	6	0	15.97	16.15	15.96	
1.4	64QAM	1	0	15.89	15.92	16.05	16.5
1.4	64QAM	1	3	15.93	15.93	15.97	
1.4	64QAM	1	5	15.94	15.94	16.17	
1.4	64QAM	3	0	16.03	15.98	16.08	16.5
1.4	64QAM	3	1	15.95	16.06	15.97	
1.4	64QAM	3	3	15.88	16.09	16.04	
1.4	64QAM	6	0	16.02	15.99	16.02	16.5
1.4	256QAM	1	0	15.91	16.13	15.92	
1.4	256QAM	1	3	16.07	16.04	16.09	
1.4	256QAM	1	5	15.94	16.05	15.85	16.5
1.4	256QAM	3	0	16.02	15.95	15.86	
1.4	256QAM	3	1	15.78	15.99	15.92	
1.4	256QAM	3	3	15.77	15.99	15.85	16.5
1.4	256QAM	6	0	15.96	16.05	15.84	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	24.26	24.31	24.18	
20	QPSK	1	49	23.94	24.08	23.94	25
20	QPSK	1	99	24.17	24.22	24.02	
20	QPSK	50	0	23.11	23.19	23.15	
20	QPSK	50	24	23.14	23.27	23.10	24
20	QPSK	50	50	23.19	23.29	23.07	
20	QPSK	100	0	23.24	23.26	23.17	
20	16QAM	1	0	23.53	23.61	23.51	24
20	16QAM	1	49	23.44	23.51	23.40	
20	16QAM	1	99	23.56	23.46	23.38	
20	16QAM	50	0	22.22	22.25	22.17	23
20	16QAM	50	24	22.12	22.24	22.11	
20	16QAM	50	50	22.21	22.18	22.07	
20	16QAM	100	0	22.18	22.26	22.15	23
20	64QAM	1	0	22.43	22.55	22.46	
20	64QAM	1	49	22.34	22.48	22.28	
20	64QAM	1	99	22.48	22.42	22.25	22
20	64QAM	50	0	21.19	21.29	21.15	
20	64QAM	50	24	21.24	21.25	21.02	
20	64QAM	50	50	21.13	21.21	21.03	20
20	64QAM	100	0	21.14	21.21	21.09	
20	256QAM	1	0	19.44	19.54	19.48	
20	256QAM	1	49	18.97	19.15	19.01	20
20	256QAM	1	99	19.19	19.31	19.18	
20	256QAM	50	0	19.04	19.21	19.11	20
20	256QAM	50	24	19.16	19.29	19.23	
20	256QAM	50	50	19.14	19.27	19.14	
20	256QAM	100	0	19.08	19.24	19.15	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	24.23	24.13	24.09	
15	QPSK	1	37	23.76	23.92	23.83	25
15	QPSK	1	74	24.02	24.22	23.84	
15	QPSK	36	0	22.93	23.08	22.95	24
15	QPSK	36	20	23.10	23.17	23.01	
15	QPSK	36	39	23.17	23.21	22.94	
15	QPSK	75	0	23.10	23.25	23.16	24
15	16QAM	1	0	23.39	23.42	23.51	
15	16QAM	1	37	23.28	23.31	23.39	
15	16QAM	1	74	23.39	23.40	23.34	23
15	16QAM	36	0	22.14	22.20	21.98	
15	16QAM	36	20	22.06	22.17	21.93	
15	16QAM	36	39	22.19	22.03	21.92	23
15	16QAM	75	0	22.10	22.10	22.00	
15	64QAM	1	0	22.23	22.41	22.44	
15	64QAM	1	37	22.33	22.47	22.28	22
15	64QAM	1	74	22.40	22.36	22.25	
15	64QAM	36	0	21.08	21.18	20.95	
15	64QAM	36	20	21.04	21.25	20.89	20
15	64QAM	36	39	20.96	21.12	20.94	
15	64QAM	75	0	20.95	21.15	20.97	
15	256QAM	1	0	19.28	19.40	19.41	20
15	256QAM	1	37	18.96	19.11	18.85	
15	256QAM	1	74	19.09	19.27	19.02	
15	256QAM	36	0	18.94	19.07	18.95	20
15	256QAM	36	20	19.15	19.25	19.21	



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15	256QAM	36	39	19.14	19.17	19.14	Tune-up limit (dBm)
15	256QAM	75	0	18.90	19.17	18.99	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	24.24	24.19	24.12	25
10	QPSK	1	25	23.86	23.98	23.88	
10	QPSK	1	49	24.04	24.02	23.93	
10	QPSK	25	0	23.11	23.15	23.12	24
10	QPSK	25	12	22.95	23.10	23.06	
10	QPSK	25	25	23.17	23.26	22.95	
10	QPSK	50	0	23.10	23.17	23.10	
10	16QAM	1	0	23.52	23.61	23.44	24
10	16QAM	1	25	23.27	23.36	23.37	
10	16QAM	1	49	23.50	23.31	23.34	
10	16QAM	25	0	22.17	22.05	22.02	23
10	16QAM	25	12	22.01	22.10	22.00	
10	16QAM	25	25	22.20	22.11	21.99	
10	16QAM	50	0	22.02	22.22	22.13	
10	64QAM	1	0	22.35	22.54	22.40	23
10	64QAM	1	25	22.19	22.37	22.13	
10	64QAM	1	49	22.45	22.32	22.07	
10	64QAM	25	0	21.18	21.15	21.04	22
10	64QAM	25	12	21.16	21.11	20.83	
10	64QAM	25	25	20.96	21.07	21.00	
10	64QAM	50	0	20.99	21.15	20.94	
10	256QAM	1	0	19.29	19.38	19.40	20
10	256QAM	1	25	18.96	19.07	18.93	
10	256QAM	1	49	19.07	19.21	19.11	
10	256QAM	25	0	18.91	19.17	18.94	20
10	256QAM	25	12	19.12	19.16	19.11	
10	256QAM	25	25	19.10	19.26	19.05	
10	256QAM	50	0	19.02	19.11	19.14	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	24.11	24.16	24.11	25
5	QPSK	1	12	23.74	23.94	23.84	
5	QPSK	1	24	24.02	24.18	23.92	
5	QPSK	12	0	22.99	23.19	23.10	24
5	QPSK	12	7	23.10	23.19	23.06	
5	QPSK	12	13	23.05	23.11	23.04	
5	QPSK	25	0	23.04	23.12	23.04	
5	16QAM	1	0	23.43	23.45	23.33	24
5	16QAM	1	12	23.40	23.40	23.37	
5	16QAM	1	24	23.46	23.38	23.38	
5	16QAM	12	0	22.09	22.11	21.99	23
5	16QAM	12	7	22.09	22.19	21.94	
5	16QAM	12	13	22.11	22.06	21.91	
5	16QAM	25	0	22.16	22.07	22.02	
5	64QAM	1	0	22.24	22.43	22.46	23
5	64QAM	1	12	22.34	22.48	22.17	
5	64QAM	1	24	22.42	22.29	22.19	
5	64QAM	12	0	20.99	21.11	21.08	22
5	64QAM	12	7	21.19	21.19	20.94	
5	64QAM	12	13	20.96	21.14	20.97	
5	64QAM	25	0	21.01	21.12	20.99	
5	256QAM	1	0	19.35	19.41	19.30	20
5	256QAM	1	12	18.88	19.11	18.83	
5	256QAM	1	24	19.13	19.12	18.98	
5	256QAM	12	0	18.88	19.01	19.08	20
5	256QAM	12	7	19.04	19.21	19.06	
5	256QAM	12	13	19.08	19.19	19.01	
5	256QAM	25	0	18.97	19.20	19.07	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	24.12	24.15	24.17	25
3	QPSK	1	8	23.76	24.02	23.85	
3	QPSK	1	14	24.16	24.07	23.88	
3	QPSK	8	0	22.92	23.06	22.97	24
3	QPSK	8	4	22.96	23.22	22.91	
3	QPSK	8	7	23.18	23.18	22.94	
3	QPSK	15	0	23.20	23.26	23.03	
3	16QAM	1	0	23.46	23.42	23.41	24
3	16QAM	1	8	23.37	23.33	23.35	
3	16QAM	1	14	23.42	23.39	23.24	
3	16QAM	8	0	22.06	22.15	22.05	23
3	16QAM	8	4	21.95	22.07	22.10	
3	16QAM	8	7	22.20	21.99	22.02	
3	16QAM	15	0	22.01	22.19	22.00	
3	64QAM	1	0	22.42	22.50	22.45	23
3	64QAM	1	8	22.27	22.29	22.14	
3	64QAM	1	14	22.47	22.33	22.14	
3	64QAM	8	0	21.00	21.26	20.97	22
3	64QAM	8	4	21.05	21.12	20.93	
3	64QAM	8	7	21.09	21.05	20.94	
3	64QAM	15	0	21.00	21.05	20.90	
3	256QAM	1	0	19.30	19.39	19.37	20
3	256QAM	1	8	18.94	19.11	18.98	
3	256QAM	1	14	19.16	19.28	19.04	
3	256QAM	8	0	19.00	19.01	19.04	20
3	256QAM	8	4	19.04	19.16	19.10	
3	256QAM	8	7	19.03	19.17	19.08	
3	256QAM	15	0	18.95	19.05	18.98	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	24.26	24.19	24.05	25
1.4	QPSK	1	3	23.78	23.94	23.92	
1.4	QPSK	1	5	24.06	24.10	23.87	
1.4	QPSK	3	0	24.19	24.27	24.03	
1.4	QPSK	3	1	23.77	23.93	23.94	
1.4	QPSK	3	3	24.15	24.13	23.87	
1.4	QPSK	6	0	22.91	23.09	22.99	24
1.4	16QAM	1	0	23.04	23.20	22.96	24
1.4	16QAM	1	3	23.18	23.14	22.91	
1.4	16QAM	1	5	23.13	23.23	23.03	
1.4	16QAM	3	0	23.45	23.50	23.36	
1.4	16QAM	3	1	23.44	23.34	23.24	
1.4	16QAM	3	3	23.52	23.29	23.19	23
1.4	16QAM	6	0	22.16	22.12	22.09	
1.4	64QAM	1	0	22.03	22.07	22.00	23
1.4	64QAM	1	3	22.04	22.14	22.04	
1.4	64QAM	1	5	22.18	22.14	22.09	
1.4	64QAM	3	0	22.23	22.55	22.29	
1.4	64QAM	3	1	22.28	22.33	22.15	
1.4	64QAM	3	3	22.37	22.27	22.23	22
1.4	64QAM	6	0	20.99	21.15	20.98	
1.4	256QAM	1	0	19.35	19.45	19.44	20
1.4	256QAM	1	3	18.87	19.03	18.92	
1.4	256QAM	1	5	19.15	19.21	18.99	
1.4	256QAM	3	0	18.88	19.08	19.05	
1.4	256QAM	3	1	19.03	19.13	19.14	
1.4	256QAM	3	3	19.07	19.23	18.98	20
1.4	256QAM	6	0	18.88	19.07	19.00	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.90	23.85	23.83	
20	QPSK	1	49	23.87	23.84	23.55	24.1
20	QPSK	1	99	23.77	23.79	23.71	
20	QPSK	50	0	22.78	22.85	22.67	
20	QPSK	50	24	22.84	22.91	22.66	24
20	QPSK	50	50	22.87	22.84	22.74	
20	QPSK	100	0	22.79	22.70	22.76	
20	16QAM	1	0	23.08	23.18	23.06	24
20	16QAM	1	49	23.05	23.18	23.06	
20	16QAM	1	99	23.08	23.15	22.99	
20	16QAM	50	0	21.89	21.87	21.77	23
20	16QAM	50	24	21.79	21.83	21.76	
20	16QAM	50	50	21.84	21.80	21.68	
20	16QAM	100	0	21.70	21.89	21.69	23
20	64QAM	1	0	22.26	22.09	22.04	
20	64QAM	1	49	22.16	22.14	21.91	
20	64QAM	1	99	22.01	22.04	21.90	22
20	64QAM	50	0	20.81	20.84	20.74	
20	64QAM	50	24	20.80	20.79	20.66	
20	64QAM	50	50	20.75	20.80	20.71	20
20	64QAM	100	0	20.77	20.79	20.68	
20	256QAM	1	0	18.79	18.97	18.89	
20	256QAM	1	49	18.28	18.52	18.34	20
20	256QAM	1	99	18.56	18.79	18.61	
20	256QAM	50	0	18.56	18.76	18.65	20
20	256QAM	50	24	18.43	18.70	18.52	
20	256QAM	50	50	18.50	18.68	18.54	
20	256QAM	100	0	18.40	18.68	18.59	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.88	23.67	23.83	
15	QPSK	1	37	23.86	23.77	23.52	24.1
15	QPSK	1	74	23.69	23.63	23.67	
15	QPSK	36	0	22.74	22.81	22.58	24
15	QPSK	36	20	22.77	22.79	22.66	
15	QPSK	36	39	22.73	22.74	22.60	
15	QPSK	75	0	22.66	22.51	22.64	24
15	16QAM	1	0	23.05	22.98	23.01	
15	16QAM	1	37	22.98	23.06	22.99	
15	16QAM	1	74	22.91	23.02	22.81	23
15	16QAM	36	0	21.73	21.87	21.57	
15	16QAM	36	20	21.64	21.64	21.66	
15	16QAM	36	39	21.72	21.60	21.57	23
15	16QAM	75	0	21.64	21.69	21.60	
15	64QAM	1	0	22.09	21.95	21.94	
15	64QAM	1	37	22.10	22.02	21.81	22
15	64QAM	1	74	21.88	22.04	21.71	
15	64QAM	36	0	20.71	20.83	20.72	
15	64QAM	36	20	20.66	20.73	20.60	20
15	64QAM	36	39	20.64	20.69	20.66	
15	64QAM	75	0	20.77	20.72	20.58	
15	256QAM	1	0	18.67	18.83	18.70	20
15	256QAM	1	37	18.24	18.43	18.25	
15	256QAM	1	74	18.55	18.71	18.45	
15	256QAM	36	0	18.50	18.59	18.53	20
15	256QAM	36	20	18.25	18.54	18.41	



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15	256QAM	36	39	18.33	18.49	18.36	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.68	18.49	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.79	23.69	24.1
10	QPSK	1	25	23.79	23.75	23.52	
10	QPSK	1	49	23.61	23.62	23.60	
10	QPSK	25	0	22.71	22.73	22.64	24
10	QPSK	25	12	22.76	22.77	22.56	
10	QPSK	25	25	22.81	22.73	22.70	
10	QPSK	50	0	22.61	22.56	22.61	
10	16QAM	1	0	22.95	23.03	22.99	24
10	16QAM	1	25	22.88	23.12	22.88	
10	16QAM	1	49	22.96	23.09	22.95	
10	16QAM	25	0	21.82	21.82	21.60	23
10	16QAM	25	12	21.74	21.63	21.66	
10	16QAM	25	25	21.65	21.63	21.48	
10	16QAM	50	0	21.55	21.78	21.63	
10	64QAM	1	0	22.08	21.97	22.01	23
10	64QAM	1	25	22.04	22.14	21.77	
10	64QAM	1	49	21.85	21.90	21.89	
10	64QAM	25	0	20.73	20.76	20.62	22
10	64QAM	25	12	20.65	20.73	20.62	
10	64QAM	25	25	20.67	20.74	20.51	
10	64QAM	50	0	20.62	20.67	20.49	
10	256QAM	1	0	18.62	18.89	18.89	20
10	256QAM	1	25	18.17	18.36	18.29	
10	256QAM	1	49	18.40	18.77	18.60	
10	256QAM	25	0	18.48	18.68	18.49	20
10	256QAM	25	12	18.36	18.53	18.49	
10	256QAM	25	25	18.33	18.58	18.35	
10	256QAM	50	0	18.24	18.59	18.58	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.86	23.78	23.79	24.1
5	QPSK	1	12	23.72	23.67	23.40	
5	QPSK	1	24	23.57	23.75	23.61	
5	QPSK	12	0	22.58	22.78	22.67	24
5	QPSK	12	7	22.69	22.77	22.50	
5	QPSK	12	13	22.81	22.71	22.62	
5	QPSK	25	0	22.60	22.54	22.75	
5	16QAM	1	0	23.06	23.01	22.96	24
5	16QAM	1	12	22.92	23.16	22.87	
5	16QAM	1	24	22.95	23.15	22.88	
5	16QAM	12	0	21.72	21.68	21.73	23
5	16QAM	12	7	21.77	21.73	21.72	
5	16QAM	12	13	21.68	21.66	21.58	
5	16QAM	25	0	21.69	21.71	21.55	
5	64QAM	1	0	22.19	22.01	21.90	23
5	64QAM	1	12	22.10	22.02	21.88	
5	64QAM	1	24	21.97	21.95	21.73	
5	64QAM	12	0	20.81	20.66	20.60	22
5	64QAM	12	7	20.69	20.59	20.66	
5	64QAM	12	13	20.69	20.69	20.51	
5	64QAM	25	0	20.70	20.64	20.66	
5	256QAM	1	0	18.69	18.88	18.77	20
5	256QAM	1	12	18.18	18.38	18.22	
5	256QAM	1	24	18.53	18.76	18.45	
5	256QAM	12	0	18.48	18.68	18.55	20
5	256QAM	12	7	18.37	18.58	18.40	
5	256QAM	12	13	18.35	18.56	18.45	
5	256QAM	25	0	18.24	18.55	18.42	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.84	23.68	23.68	24.1
3	QPSK	1	8	23.74	23.77	23.48	
3	QPSK	1	14	23.59	23.68	23.51	
3	QPSK	8	0	22.61	22.66	22.59	24
3	QPSK	8	4	22.67	22.77	22.58	
3	QPSK	8	7	22.70	22.81	22.67	
3	QPSK	15	0	22.65	22.68	22.68	
3	16QAM	1	0	23.08	22.98	23.02	24
3	16QAM	1	8	22.92	23.07	22.94	
3	16QAM	1	14	23.00	23.07	22.93	
3	16QAM	8	0	21.81	21.73	21.64	23
3	16QAM	8	4	21.60	21.71	21.56	
3	16QAM	8	7	21.72	21.77	21.58	
3	16QAM	15	0	21.60	21.73	21.50	
3	64QAM	1	0	22.18	21.98	22.00	23
3	64QAM	1	8	22.04	21.98	21.71	
3	64QAM	1	14	22.01	21.93	21.83	
3	64QAM	8	0	20.64	20.74	20.71	22
3	64QAM	8	4	20.70	20.78	20.56	
3	64QAM	8	7	20.73	20.76	20.62	
3	64QAM	15	0	20.60	20.62	20.63	
3	256QAM	1	0	18.75	18.93	18.72	20
3	256QAM	1	8	18.17	18.44	18.14	
3	256QAM	1	14	18.40	18.69	18.56	
3	256QAM	8	0	18.45	18.65	18.60	20
3	256QAM	8	4	18.36	18.67	18.44	
3	256QAM	8	7	18.47	18.61	18.37	
3	256QAM	15	0	18.36	18.52	18.57	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.81	23.76	23.82	24.1
1.4	QPSK	1	3	23.81	23.72	23.46	
1.4	QPSK	1	5	23.67	23.63	23.65	
1.4	QPSK	3	0	23.80	23.78	23.80	
1.4	QPSK	3	1	23.72	23.72	23.37	
1.4	QPSK	3	3	23.60	23.75	23.65	
1.4	QPSK	6	0	22.58	22.85	22.55	24
1.4	16QAM	1	0	22.79	22.76	22.59	24
1.4	16QAM	1	3	22.80	22.73	22.72	
1.4	16QAM	1	5	22.70	22.61	22.61	
1.4	16QAM	3	0	23.06	23.17	22.97	
1.4	16QAM	3	1	22.86	23.15	23.04	
1.4	16QAM	3	3	22.89	23.04	22.79	23
1.4	16QAM	6	0	21.81	21.85	21.65	
1.4	64QAM	1	0	21.62	21.63	21.61	
1.4	64QAM	1	3	21.76	21.71	21.49	
1.4	64QAM	1	5	21.52	21.84	21.52	23
1.4	64QAM	3	0	22.24	22.02	21.91	
1.4	64QAM	3	1	22.00	22.08	21.77	
1.4	64QAM	3	3	21.89	21.93	21.70	
1.4	64QAM	6	0	20.80	20.78	20.54	22
1.4	256QAM	1	0	18.73	18.96	18.71	20
1.4	256QAM	1	3	18.21	18.39	18.20	
1.4	256QAM	1	5	18.41	18.65	18.50	
1.4	256QAM	3	0	18.37	18.58	18.65	
1.4	256QAM	3	1	18.27	18.56	18.37	
1.4	256QAM	3	3	18.46	18.55	18.47	20
1.4	256QAM	6	0	18.32	18.56	18.51	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	16.79	16.86	16.79	
20	QPSK	1	49	16.69	16.61	16.56	17.5
20	QPSK	1	99	16.69	16.81	16.71	
20	QPSK	50	0	16.75	16.85	16.74	
20	QPSK	50	24	16.72	16.77	16.64	17.5
20	QPSK	50	50	16.69	16.76	16.67	
20	QPSK	100	0	16.72	16.79	16.76	
20	16QAM	1	0	16.85	16.82	16.77	17.5
20	16QAM	1	49	16.60	16.79	16.73	
20	16QAM	1	99	16.83	16.80	16.65	
20	16QAM	50	0	16.45	16.47	16.46	17.5
20	16QAM	50	24	16.70	16.78	16.76	
20	16QAM	50	50	16.75	16.76	16.69	
20	16QAM	100	0	16.69	16.77	16.76	17.5
20	64QAM	1	0	16.81	16.76	16.64	
20	64QAM	1	49	16.61	16.77	16.65	
20	64QAM	1	99	16.78	16.67	16.62	17.5
20	64QAM	50	0	16.77	16.78	16.77	
20	64QAM	50	24	16.79	16.73	16.78	
20	64QAM	50	50	16.77	16.76	16.81	17.5
20	64QAM	100	0	16.82	16.73	16.79	
20	256QAM	1	0	16.78	16.72	16.74	
20	256QAM	1	49	16.79	16.84	16.65	17.5
20	256QAM	1	99	16.61	16.78	16.68	
20	256QAM	50	0	16.75	16.79	16.72	
20	256QAM	50	24	16.66	16.66	16.69	17.5
20	256QAM	50	50	16.77	16.70	16.72	
20	256QAM	100	0	16.64	16.69	16.63	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	16.71	16.83	16.69	
15	QPSK	1	37	16.49	16.54	16.55	17.5
15	QPSK	1	74	16.60	16.71	16.64	
15	QPSK	36	0	16.73	16.71	16.58	
15	QPSK	36	20	16.59	16.65	16.56	17.5
15	QPSK	36	39	16.61	16.68	16.65	
15	QPSK	75	0	16.59	16.79	16.71	
15	16QAM	1	0	16.67	16.71	16.68	17.5
15	16QAM	1	37	16.55	16.67	16.53	
15	16QAM	1	74	16.80	16.65	16.54	
15	16QAM	36	0	16.39	16.39	16.44	17.5
15	16QAM	36	20	16.52	16.72	16.63	
15	16QAM	36	39	16.64	16.59	16.50	
15	16QAM	75	0	16.60	16.60	16.72	17.5
15	64QAM	1	0	16.73	16.56	16.61	
15	64QAM	1	37	16.47	16.58	16.58	
15	64QAM	1	74	16.75	16.62	16.53	17.5
15	64QAM	36	0	16.62	16.72	16.57	
15	64QAM	36	20	16.69	16.64	16.61	
15	64QAM	36	39	16.59	16.63	16.63	17.5
15	64QAM	75	0	16.66	16.65	16.73	
15	256QAM	1	0	16.78	16.52	16.70	
15	256QAM	1	37	16.64	16.75	16.48	17.5
15	256QAM	1	74	16.56	16.62	16.67	
15	256QAM	36	0	16.65	16.76	16.70	
15	256QAM	36	20	16.64	16.46	16.65	17.5



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15	256QAM	36	39	16.65	16.66	16.67	Tune-up limit (dBm)
15	256QAM	75	0	16.46	16.69	16.46	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	16.69	16.86	16.79	17.5
10	QPSK	1	25	16.59	16.59	16.53	
10	QPSK	1	49	16.69	16.71	16.51	
10	QPSK	25	0	16.62	16.80	16.63	17.5
10	QPSK	25	12	16.62	16.67	16.51	
10	QPSK	25	25	16.64	16.70	16.61	
10	QPSK	50	0	16.53	16.68	16.75	
10	16QAM	1	0	16.77	16.82	16.65	17.5
10	16QAM	1	25	16.50	16.60	16.69	
10	16QAM	1	49	16.70	16.60	16.58	
10	16QAM	25	0	16.38	16.44	16.28	17.5
10	16QAM	25	12	16.67	16.74	16.68	
10	16QAM	25	25	16.69	16.66	16.52	
10	16QAM	50	0	16.60	16.70	16.61	
10	64QAM	1	0	16.74	16.58	16.63	17.5
10	64QAM	1	25	16.50	16.61	16.52	
10	64QAM	1	49	16.71	16.61	16.55	
10	64QAM	25	0	16.64	16.78	16.73	17.5
10	64QAM	25	12	16.71	16.63	16.74	
10	64QAM	25	25	16.75	16.61	16.71	
10	64QAM	50	0	16.63	16.71	16.68	
10	256QAM	1	0	16.74	16.54	16.74	17.5
10	256QAM	1	25	16.70	16.76	16.54	
10	256QAM	1	49	16.59	16.70	16.54	
10	256QAM	25	0	16.56	16.67	16.72	17.5
10	256QAM	25	12	16.53	16.49	16.67	
10	256QAM	25	25	16.70	16.50	16.72	
10	256QAM	50	0	16.46	16.60	16.49	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	16.74	16.79	16.60	17.5
5	QPSK	1	12	16.56	16.52	16.43	
5	QPSK	1	24	16.59	16.81	16.69	
5	QPSK	12	0	16.73	16.79	16.58	17.5
5	QPSK	12	7	16.52	16.67	16.63	
5	QPSK	12	13	16.51	16.72	16.48	
5	QPSK	25	0	16.72	16.61	16.69	
5	16QAM	1	0	16.77	16.72	16.62	17.5
5	16QAM	1	12	16.49	16.62	16.56	
5	16QAM	1	24	16.67	16.73	16.56	
5	16QAM	12	0	16.32	16.27	16.33	17.5
5	16QAM	12	7	16.50	16.72	16.66	
5	16QAM	12	13	16.72	16.61	16.57	
5	16QAM	25	0	16.58	16.68	16.69	
5	64QAM	1	0	16.70	16.68	16.47	17.5
5	64QAM	1	12	16.44	16.67	16.63	
5	64QAM	1	24	16.67	16.66	16.49	
5	64QAM	12	0	16.67	16.74	16.66	17.5
5	64QAM	12	7	16.60	16.65	16.74	
5	64QAM	12	13	16.65	16.73	16.62	
5	64QAM	25	0	16.74	16.65	16.78	
5	256QAM	1	0	16.69	16.60	16.74	17.5
5	256QAM	1	12	16.67	16.74	16.57	
5	256QAM	1	24	16.61	16.66	16.59	
5	256QAM	12	0	16.69	16.63	16.54	17.5
5	256QAM	12	7	16.57	16.66	16.60	
5	256QAM	12	13	16.59	16.52	16.56	
5	256QAM	25	0	16.51	16.63	16.51	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	16.67	16.78	16.68	17.5
3	QPSK	1	8	16.49	16.43	16.50	
3	QPSK	1	14	16.57	16.76	16.70	
3	QPSK	8	0	16.66	16.79	16.72	17.5
3	QPSK	8	4	16.66	16.75	16.44	
3	QPSK	8	7	16.69	16.59	16.67	
3	QPSK	15	0	16.61	16.77	16.75	17.5
3	16QAM	1	0	16.71	16.80	16.76	
3	16QAM	1	8	16.54	16.63	16.66	
3	16QAM	1	14	16.72	16.67	16.45	17.5
3	16QAM	8	0	16.40	16.41	16.29	
3	16QAM	8	4	16.67	16.62	16.72	
3	16QAM	8	7	16.73	16.61	16.59	17.5
3	16QAM	15	0	16.61	16.70	16.70	
3	64QAM	1	0	16.63	16.59	16.52	
3	64QAM	1	8	16.50	16.77	16.48	17.5
3	64QAM	1	14	16.63	16.56	16.46	
3	64QAM	8	0	16.58	16.73	16.68	
3	64QAM	8	4	16.70	16.65	16.59	17.5
3	64QAM	8	7	16.71	16.69	16.75	
3	64QAM	15	0	16.82	16.66	16.72	
3	256QAM	1	0	16.62	16.70	16.54	17.5
3	256QAM	1	8	16.74	16.70	16.65	
3	256QAM	1	14	16.46	16.64	16.51	
3	256QAM	8	0	16.72	16.62	16.65	17.5
3	256QAM	8	4	16.56	16.51	16.62	
3	256QAM	8	7	16.76	16.50	16.71	
3	256QAM	15	0	16.56	16.66	16.44	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	16.65	16.85	16.67	17.5
1.4	QPSK	1	3	16.69	16.56	16.49	
1.4	QPSK	1	5	16.61	16.70	16.53	
1.4	QPSK	3	0	16.65	16.69	16.68	17.5
1.4	QPSK	3	1	16.58	16.60	16.55	
1.4	QPSK	3	3	16.62	16.56	16.55	
1.4	QPSK	6	0	16.72	16.78	16.69	17.5
1.4	16QAM	1	0	16.73	16.74	16.64	
1.4	16QAM	1	3	16.42	16.61	16.53	
1.4	16QAM	1	5	16.72	16.69	16.57	17.5
1.4	16QAM	3	0	16.26	16.47	16.31	
1.4	16QAM	3	1	16.60	16.58	16.56	
1.4	16QAM	3	3	16.73	16.70	16.52	17.5
1.4	16QAM	6	0	16.59	16.77	16.73	
1.4	64QAM	1	0	16.64	16.56	16.60	
1.4	64QAM	1	3	16.46	16.76	16.57	17.5
1.4	64QAM	1	5	16.67	16.65	16.49	
1.4	64QAM	3	0	16.62	16.61	16.75	
1.4	64QAM	3	1	16.59	16.64	16.74	17.5
1.4	64QAM	3	3	16.69	16.62	16.66	
1.4	64QAM	6	0	16.66	16.63	16.72	
1.4	256QAM	1	0	16.70	16.61	16.63	17.5
1.4	256QAM	1	3	16.68	16.81	16.57	
1.4	256QAM	1	5	16.49	16.58	16.63	
1.4	256QAM	3	0	16.70	16.62	16.72	17.5
1.4	256QAM	3	1	16.51	16.56	16.64	
1.4	256QAM	3	3	16.62	16.57	16.55	
1.4	256QAM	6	0	16.62	16.68	16.50	17.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.14	19.23	19.03	
20	QPSK	1	49	18.91	19.12	18.76	19.8
20	QPSK	1	99	19.10	19.05	18.95	
20	QPSK	50	0	19.03	19.19	19.08	
20	QPSK	50	24	19.05	19.10	19.04	19.8
20	QPSK	50	50	19.01	19.09	19.01	
20	QPSK	100	0	19.02	19.17	19.03	
20	16QAM	1	0	19.10	18.91	18.82	19.8
20	16QAM	1	49	19.07	18.71	18.82	
20	16QAM	1	99	19.00	18.94	18.91	
20	16QAM	50	0	19.16	19.11	18.99	19.8
20	16QAM	50	24	19.05	19.06	19.06	
20	16QAM	50	50	19.04	19.12	19.03	
20	16QAM	100	0	19.12	19.18	19.02	19.8
20	64QAM	1	0	18.92	18.84	18.68	
20	64QAM	1	49	19.00	18.92	18.93	
20	64QAM	1	99	18.92	18.82	18.69	19.8
20	64QAM	50	0	19.16	19.22	19.11	
20	64QAM	50	24	19.16	19.20	19.11	
20	64QAM	50	50	19.21	19.15	19.08	19.8
20	64QAM	100	0	19.20	19.11	19.08	
20	256QAM	1	0	18.93	18.93	18.65	
20	256QAM	1	49	18.47	18.52	18.23	19.8
20	256QAM	1	99	18.74	18.71	18.79	
20	256QAM	50	0	18.57	18.60	18.50	
20	256QAM	50	24	18.51	18.51	18.36	19.8
20	256QAM	50	50	18.62	18.73	18.50	
20	256QAM	100	0	18.59	18.56	18.51	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.97	19.16	18.95	
15	QPSK	1	37	18.84	19.10	18.63	19.8
15	QPSK	1	74	19.00	18.93	18.77	
15	QPSK	36	0	18.83	19.11	18.93	
15	QPSK	36	20	19.01	19.02	18.91	19.8
15	QPSK	36	39	18.91	19.06	18.96	
15	QPSK	75	0	18.98	18.99	18.94	
15	16QAM	1	0	18.92	18.84	18.74	19.8
15	16QAM	1	37	18.92	18.53	18.82	
15	16QAM	1	74	18.96	18.82	18.72	
15	16QAM	36	0	19.02	18.94	18.80	19.8
15	16QAM	36	20	19.04	19.00	18.94	
15	16QAM	36	39	18.86	19.05	18.85	
15	16QAM	75	0	18.96	19.10	18.97	19.8
15	64QAM	1	0	18.82	18.76	18.49	
15	64QAM	1	37	19.00	18.78	18.76	
15	64QAM	1	74	18.82	18.67	18.58	19.8
15	64QAM	36	0	19.10	19.11	18.95	
15	64QAM	36	20	19.16	19.08	18.92	
15	64QAM	36	39	19.19	19.14	19.03	19.8
15	64QAM	75	0	19.11	19.05	19.02	
15	256QAM	1	0	18.77	18.78	18.57	
15	256QAM	1	37	18.31	18.32	18.10	19.8
15	256QAM	1	74	18.62	18.52	18.68	
15	256QAM	36	0	18.41	18.41	18.47	
15	256QAM	36	20	18.43	18.47	18.32	19.8



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15	256QAM	36	39	18.57	18.65	18.34	
15	256QAM	75	0	18.47	18.53	18.47	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	18.94	19.18	19.00	19.8
10	QPSK	1	25	18.81	18.97	18.71	
10	QPSK	1	49	18.97	19.01	18.78	
10	QPSK	25	0	18.92	19.08	19.04	19.8
10	QPSK	25	12	18.90	19.07	18.96	
10	QPSK	25	25	18.92	19.07	18.83	
10	QPSK	50	0	18.93	19.14	19.03	
10	16QAM	1	0	19.00	18.84	18.64	19.8
10	16QAM	1	25	18.97	18.66	18.74	
10	16QAM	1	49	19.00	18.79	18.85	
10	16QAM	25	0	19.16	19.11	18.89	19.8
10	16QAM	25	12	18.86	19.01	18.92	
10	16QAM	25	25	19.01	19.06	18.91	
10	16QAM	50	0	18.92	18.98	18.90	
10	64QAM	1	0	18.87	18.83	18.55	19.8
10	64QAM	1	25	18.81	18.80	18.73	
10	64QAM	1	49	18.91	18.70	18.55	
10	64QAM	25	0	19.12	19.19	19.00	19.8
10	64QAM	25	12	18.97	19.09	18.91	
10	64QAM	25	25	19.04	18.98	18.93	
10	64QAM	50	0	19.03	18.95	19.05	
10	256QAM	1	0	18.87	18.84	18.52	19.8
10	256QAM	1	25	18.42	18.40	18.03	
10	256QAM	1	49	18.59	18.66	18.63	
10	256QAM	25	0	18.50	18.52	18.50	19.8
10	256QAM	25	12	18.47	18.38	18.22	
10	256QAM	25	25	18.62	18.68	18.44	
10	256QAM	50	0	18.49	18.45	18.38	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	18.97	19.16	19.01	19.8
5	QPSK	1	12	18.87	19.08	18.75	
5	QPSK	1	24	19.00	18.90	18.88	
5	QPSK	12	0	18.88	19.18	18.96	19.8
5	QPSK	12	7	18.86	19.04	18.92	
5	QPSK	12	13	18.99	19.09	18.93	
5	QPSK	25	0	18.97	18.98	18.91	
5	16QAM	1	0	18.98	18.75	18.72	19.8
5	16QAM	1	12	19.02	18.63	18.72	
5	16QAM	1	24	18.83	18.93	18.88	
5	16QAM	12	0	18.98	18.92	18.94	19.8
5	16QAM	12	7	18.99	18.91	18.96	
5	16QAM	12	13	19.03	18.95	18.91	
5	16QAM	25	0	18.95	19.03	19.00	
5	64QAM	1	0	18.72	18.78	18.68	19.8
5	64QAM	1	12	18.86	18.90	18.90	
5	64QAM	1	24	18.88	18.71	18.60	
5	64QAM	12	0	19.03	19.17	19.10	19.8
5	64QAM	12	7	19.11	19.03	19.11	
5	64QAM	12	13	19.05	18.95	19.03	
5	64QAM	25	0	19.05	18.97	18.92	
5	256QAM	1	0	18.73	18.85	18.49	19.8
5	256QAM	1	12	18.42	18.39	18.09	
5	256QAM	1	24	18.57	18.64	18.71	
5	256QAM	12	0	18.45	18.51	18.31	19.8
5	256QAM	12	7	18.34	18.43	18.16	
5	256QAM	12	13	18.60	18.60	18.41	
5	256QAM	25	0	18.59	18.52	18.35	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.00	19.07	18.91	19.8
3	QPSK	1	8	18.87	18.92	18.76	
3	QPSK	1	14	19.04	18.97	18.76	
3	QPSK	8	0	19.02	19.16	18.93	19.8
3	QPSK	8	4	19.04	19.08	19.04	
3	QPSK	8	7	18.90	19.03	18.96	
3	QPSK	15	0	18.99	18.97	18.97	
3	16QAM	1	0	18.93	18.88	18.72	19.8
3	16QAM	1	8	18.99	18.53	18.72	
3	16QAM	1	14	18.81	18.82	18.87	
3	16QAM	8	0	18.96	19.00	18.87	19.8
3	16QAM	8	4	18.97	18.89	19.06	
3	16QAM	8	7	18.93	19.11	18.90	
3	16QAM	15	0	18.93	19.08	18.94	
3	64QAM	1	0	18.80	18.68	18.59	19.8
3	64QAM	1	8	18.94	18.83	18.90	
3	64QAM	1	14	18.85	18.71	18.59	
3	64QAM	8	0	19.07	19.10	19.04	19.8
3	64QAM	8	4	18.96	19.08	18.91	
3	64QAM	8	7	19.14	19.10	19.06	
3	64QAM	15	0	19.20	18.94	18.92	
3	256QAM	1	0	18.83	18.83	18.52	19.8
3	256QAM	1	8	18.41	18.52	18.04	
3	256QAM	1	14	18.65	18.55	18.78	
3	256QAM	8	0	18.38	18.51	18.44	19.8
3	256QAM	8	4	18.32	18.34	18.34	
3	256QAM	8	7	18.56	18.54	18.36	
3	256QAM	15	0	18.51	18.52	18.47	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.06	19.10	18.95	19.8
1.4	QPSK	1	3	18.75	18.93	18.57	
1.4	QPSK	1	5	18.90	18.97	18.76	
1.4	QPSK	3	0	18.94	19.19	19.07	
1.4	QPSK	3	1	18.86	18.90	18.87	
1.4	QPSK	3	3	18.81	18.94	18.91	
1.4	QPSK	6	0	18.94	19.17	19.03	19.8
1.4	16QAM	1	0	18.98	18.83	18.76	19.8
1.4	16QAM	1	3	19.06	18.66	18.74	
1.4	16QAM	1	5	18.93	18.90	18.91	
1.4	16QAM	3	0	18.98	19.01	18.81	
1.4	16QAM	3	1	18.97	18.89	19.06	
1.4	16QAM	3	3	19.04	18.99	18.94	19.8
1.4	16QAM	6	0	19.06	19.05	18.90	
1.4	64QAM	1	0	18.72	18.65	18.49	
1.4	64QAM	1	3	18.97	18.74	18.93	
1.4	64QAM	1	5	18.76	18.63	18.68	19.8
1.4	64QAM	3	0	18.96	19.13	19.04	
1.4	64QAM	3	1	18.99	19.00	19.11	
1.4	64QAM	3	3	19.15	19.05	19.06	
1.4	64QAM	6	0	19.03	19.04	18.93	19.8
1.4	256QAM	1	0	18.86	18.82	18.59	19.8
1.4	256QAM	1	3	18.45	18.43	18.10	
1.4	256QAM	1	5	18.63	18.53	18.79	
1.4	256QAM	3	0	18.44	18.48	18.43	
1.4	256QAM	3	1	18.34	18.31	18.30	
1.4	256QAM	3	3	18.53	18.53	18.43	19.8
1.4	256QAM	6	0	18.48	18.41	18.37	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.60	19.64	19.58	
20	QPSK	1	49	19.29	19.58	19.21	19.9
20	QPSK	1	99	19.50	19.51	19.42	
20	QPSK	50	0	19.57	19.55	19.42	
20	QPSK	50	24	19.50	19.51	19.37	19.9
20	QPSK	50	50	19.49	19.53	19.37	
20	QPSK	100	0	19.53	19.53	19.32	
20	16QAM	1	0	19.51	19.54	19.48	19.9
20	16QAM	1	49	19.46	19.42	19.50	
20	16QAM	1	99	19.54	19.37	19.41	
20	16QAM	50	0	19.52	19.59	19.43	19.9
20	16QAM	50	24	19.54	19.63	19.40	
20	16QAM	50	50	19.46	19.54	19.37	
20	16QAM	100	0	19.42	19.61	19.45	19.9
20	64QAM	1	0	19.45	19.53	19.55	
20	64QAM	1	49	19.62	19.41	19.55	
20	64QAM	1	99	19.63	19.53	19.51	19.9
20	64QAM	50	0	19.60	19.59	19.46	
20	64QAM	50	24	19.53	19.59	19.48	
20	64QAM	50	50	19.49	19.48	19.40	19.9
20	64QAM	100	0	19.55	19.42	19.43	
20	256QAM	1	0	19.40	19.34	19.29	
20	256QAM	1	49	18.92	19.03	19.00	19.9
20	256QAM	1	99	19.14	19.15	19.10	
20	256QAM	50	0	18.92	19.17	19.08	
20	256QAM	50	24	19.14	19.13	19.18	19.9
20	256QAM	50	50	19.11	19.23	19.00	
20	256QAM	100	0	19.05	19.09	19.09	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.59	19.52	19.50	
15	QPSK	1	37	19.24	19.57	19.08	19.9
15	QPSK	1	74	19.39	19.36	19.42	
15	QPSK	36	0	19.48	19.45	19.23	
15	QPSK	36	20	19.47	19.40	19.29	19.9
15	QPSK	36	39	19.40	19.45	19.17	
15	QPSK	75	0	19.48	19.45	19.26	
15	16QAM	1	0	19.50	19.50	19.42	19.9
15	16QAM	1	37	19.38	19.28	19.36	
15	16QAM	1	74	19.41	19.23	19.30	
15	16QAM	36	0	19.42	19.50	19.24	19.9
15	16QAM	36	20	19.34	19.63	19.35	
15	16QAM	36	39	19.26	19.41	19.34	
15	16QAM	75	0	19.22	19.56	19.34	19.9
15	64QAM	1	0	19.38	19.46	19.39	
15	64QAM	1	37	19.49	19.36	19.45	
15	64QAM	1	74	19.58	19.35	19.43	19.9
15	64QAM	36	0	19.49	19.59	19.36	
15	64QAM	36	20	19.52	19.50	19.45	
15	64QAM	36	39	19.34	19.39	19.21	19.9
15	64QAM	75	0	19.36	19.38	19.30	
15	256QAM	1	0	19.24	19.30	19.21	
15	256QAM	1	37	18.88	18.99	18.94	19.9
15	256QAM	1	74	19.00	19.10	19.03	
15	256QAM	36	0	18.88	18.99	18.92	
15	256QAM	36	20	18.97	18.99	19.00	19.9



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15	256QAM	36	39	19.04	19.23	18.89	
15	256QAM	75	0	18.92	19.09	19.00	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.59	19.61	19.52	19.9
10	QPSK	1	25	19.28	19.58	19.14	
10	QPSK	1	49	19.31	19.47	19.31	
10	QPSK	25	0	19.41	19.43	19.34	19.9
10	QPSK	25	12	19.36	19.41	19.28	
10	QPSK	25	25	19.37	19.43	19.29	
10	QPSK	50	0	19.48	19.44	19.20	
10	16QAM	1	0	19.43	19.35	19.33	19.9
10	16QAM	1	25	19.41	19.23	19.30	
10	16QAM	1	49	19.45	19.21	19.37	
10	16QAM	25	0	19.33	19.52	19.24	19.9
10	16QAM	25	12	19.39	19.49	19.37	
10	16QAM	25	25	19.43	19.48	19.27	
10	16QAM	50	0	19.36	19.54	19.26	
10	64QAM	1	0	19.38	19.34	19.54	19.9
10	64QAM	1	25	19.59	19.32	19.43	
10	64QAM	1	49	19.49	19.50	19.36	
10	64QAM	25	0	19.55	19.45	19.28	19.9
10	64QAM	25	12	19.48	19.55	19.33	
10	64QAM	25	25	19.38	19.46	19.30	
10	64QAM	50	0	19.39	19.24	19.28	
10	256QAM	1	0	19.38	19.20	19.17	19.9
10	256QAM	1	25	18.85	18.96	18.82	
10	256QAM	1	49	18.98	19.10	18.98	
10	256QAM	25	0	18.89	19.01	19.06	19.9
10	256QAM	25	12	19.02	18.96	19.14	
10	256QAM	25	25	19.00	19.14	18.93	
10	256QAM	50	0	19.03	19.00	18.95	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.49	19.53	19.49	19.9
5	QPSK	1	12	19.25	19.39	19.07	
5	QPSK	1	24	19.37	19.49	19.29	
5	QPSK	12	0	19.38	19.49	19.23	19.9
5	QPSK	12	7	19.34	19.36	19.17	
5	QPSK	12	13	19.37	19.35	19.31	
5	QPSK	25	0	19.35	19.52	19.18	
5	16QAM	1	0	19.38	19.36	19.41	19.9
5	16QAM	1	12	19.44	19.41	19.34	
5	16QAM	1	24	19.42	19.34	19.38	
5	16QAM	12	0	19.42	19.44	19.31	19.9
5	16QAM	12	7	19.52	19.46	19.36	
5	16QAM	12	13	19.31	19.39	19.29	
5	16QAM	25	0	19.40	19.47	19.43	
5	64QAM	1	0	19.45	19.39	19.55	19.9
5	64QAM	1	12	19.62	19.30	19.47	
5	64QAM	1	24	19.61	19.49	19.38	
5	64QAM	12	0	19.51	19.47	19.37	19.9
5	64QAM	12	7	19.46	19.45	19.40	
5	64QAM	12	13	19.49	19.30	19.35	
5	64QAM	25	0	19.40	19.30	19.40	
5	256QAM	1	0	19.22	19.14	19.26	19.9
5	256QAM	1	12	18.86	19.02	18.93	
5	256QAM	1	24	18.99	19.08	18.94	
5	256QAM	12	0	18.75	18.97	19.06	19.9
5	256QAM	12	7	19.09	19.03	19.06	
5	256QAM	12	13	18.91	19.23	18.95	
5	256QAM	25	0	18.95	18.91	19.00	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.59	19.57	19.50	19.9
3	QPSK	1	8	19.25	19.40	19.06	
3	QPSK	1	14	19.38	19.42	19.38	
3	QPSK	8	0	19.43	19.55	19.27	19.9
3	QPSK	8	4	19.47	19.50	19.22	
3	QPSK	8	7	19.49	19.33	19.36	
3	QPSK	15	0	19.40	19.35	19.14	
3	16QAM	1	0	19.37	19.35	19.31	19.9
3	16QAM	1	8	19.32	19.35	19.30	
3	16QAM	1	14	19.43	19.17	19.24	
3	16QAM	8	0	19.51	19.42	19.28	19.9
3	16QAM	8	4	19.49	19.58	19.35	
3	16QAM	8	7	19.45	19.35	19.18	
3	16QAM	15	0	19.30	19.41	19.43	
3	64QAM	1	0	19.39	19.53	19.38	19.9
3	64QAM	1	8	19.46	19.33	19.42	
3	64QAM	1	14	19.58	19.38	19.39	
3	64QAM	8	0	19.60	19.41	19.36	19.9
3	64QAM	8	4	19.38	19.59	19.29	
3	64QAM	8	7	19.35	19.32	19.22	
3	64QAM	15	0	19.38	19.22	19.36	
3	256QAM	1	0	19.30	19.29	19.23	19.9
3	256QAM	1	8	18.79	19.01	18.99	
3	256QAM	1	14	19.00	18.95	19.00	
3	256QAM	8	0	18.89	19.15	18.98	19.9
3	256QAM	8	4	19.11	19.08	19.01	
3	256QAM	8	7	19.08	19.14	18.82	
3	256QAM	15	0	18.98	18.92	19.08	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.40	19.50	19.47	19.9
1.4	QPSK	1	3	19.28	19.48	19.12	
1.4	QPSK	1	5	19.31	19.50	19.32	
1.4	QPSK	3	0	19.53	19.50	19.22	
1.4	QPSK	3	1	19.45	19.46	19.33	
1.4	QPSK	3	3	19.37	19.48	19.37	
1.4	QPSK	6	0	19.47	19.34	19.12	
1.4	16QAM	1	0	19.44	19.53	19.46	19.9
1.4	16QAM	1	3	19.35	19.42	19.46	
1.4	16QAM	1	5	19.41	19.25	19.27	
1.4	16QAM	3	0	19.33	19.56	19.23	
1.4	16QAM	3	1	19.40	19.56	19.39	
1.4	16QAM	3	3	19.39	19.53	19.36	
1.4	16QAM	6	0	19.23	19.53	19.35	19.9
1.4	64QAM	1	0	19.40	19.47	19.39	19.9
1.4	64QAM	1	3	19.60	19.21	19.50	
1.4	64QAM	1	5	19.50	19.37	19.32	
1.4	64QAM	3	0	19.40	19.47	19.26	
1.4	64QAM	3	1	19.49	19.50	19.40	
1.4	64QAM	3	3	19.37	19.30	19.37	
1.4	64QAM	6	0	19.49	19.33	19.40	
1.4	256QAM	1	0	19.38	19.22	19.23	19.9
1.4	256QAM	1	3	18.74	19.03	18.93	
1.4	256QAM	1	5	19.10	19.07	19.05	
1.4	256QAM	3	0	18.85	19.15	18.92	
1.4	256QAM	3	1	19.04	18.93	19.05	
1.4	256QAM	3	3	18.98	19.17	18.95	
1.4	256QAM	6	0	19.03	19.06	19.06	19.9



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.90	23.85	23.83	
20	QPSK	1	49	23.87	23.84	23.55	23.9
20	QPSK	1	99	23.77	23.79	23.71	
20	QPSK	50	0	22.78	22.85	22.67	
20	QPSK	50	24	22.84	22.91	22.66	23.9
20	QPSK	50	50	22.87	22.84	22.74	
20	QPSK	100	0	22.79	22.70	22.76	
20	16QAM	1	0	23.08	23.18	23.06	23.9
20	16QAM	1	49	23.05	23.18	23.06	
20	16QAM	1	99	23.08	23.15	22.99	
20	16QAM	50	0	21.89	21.87	21.77	23
20	16QAM	50	24	21.79	21.83	21.76	
20	16QAM	50	50	21.84	21.80	21.68	
20	16QAM	100	0	21.70	21.89	21.69	23
20	64QAM	1	0	22.26	22.09	22.04	
20	64QAM	1	49	22.16	22.14	21.91	
20	64QAM	1	99	22.01	22.04	21.90	22
20	64QAM	50	0	20.81	20.84	20.74	
20	64QAM	50	24	20.80	20.79	20.66	
20	64QAM	50	50	20.75	20.80	20.71	20
20	64QAM	100	0	20.77	20.79	20.68	
20	256QAM	1	0	18.79	18.97	18.89	
20	256QAM	1	49	18.28	18.52	18.34	20
20	256QAM	1	99	18.56	18.79	18.61	
20	256QAM	50	0	18.56	18.76	18.65	20
20	256QAM	50	24	18.43	18.70	18.52	
20	256QAM	50	50	18.50	18.68	18.54	
20	256QAM	100	0	18.40	18.68	18.59	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.88	23.67	23.83	
15	QPSK	1	37	23.86	23.77	23.52	23.9
15	QPSK	1	74	23.69	23.63	23.67	
15	QPSK	36	0	22.74	22.81	22.58	23.9
15	QPSK	36	20	22.77	22.79	22.66	
15	QPSK	36	39	22.73	22.74	22.60	
15	QPSK	75	0	22.66	22.51	22.64	23.9
15	16QAM	1	0	23.05	22.98	23.01	
15	16QAM	1	37	22.98	23.06	22.99	
15	16QAM	1	74	22.91	23.02	22.81	23
15	16QAM	36	0	21.73	21.87	21.57	
15	16QAM	36	20	21.64	21.64	21.66	
15	16QAM	36	39	21.72	21.60	21.57	23
15	16QAM	75	0	21.64	21.69	21.60	
15	64QAM	1	0	22.09	21.95	21.94	
15	64QAM	1	37	22.10	22.02	21.81	23
15	64QAM	1	74	21.88	22.04	21.71	
15	64QAM	36	0	20.71	20.83	20.72	
15	64QAM	36	20	20.66	20.73	20.60	22
15	64QAM	36	39	20.64	20.69	20.66	
15	64QAM	75	0	20.77	20.72	20.58	
15	256QAM	1	0	18.67	18.83	18.70	20
15	256QAM	1	37	18.24	18.43	18.25	
15	256QAM	1	74	18.55	18.71	18.45	
15	256QAM	36	0	18.50	18.59	18.53	20
15	256QAM	36	20	18.25	18.54	18.41	



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15	256QAM	36	39	18.33	18.49	18.36	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.68	18.49	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.79	23.69	23.9
10	QPSK	1	25	23.79	23.75	23.52	
10	QPSK	1	49	23.61	23.62	23.60	
10	QPSK	25	0	22.71	22.73	22.64	23.9
10	QPSK	25	12	22.76	22.77	22.56	
10	QPSK	25	25	22.81	22.73	22.70	
10	QPSK	50	0	22.61	22.56	22.61	
10	16QAM	1	0	22.95	23.03	22.99	23.9
10	16QAM	1	25	22.88	23.12	22.88	
10	16QAM	1	49	22.96	23.09	22.95	
10	16QAM	25	0	21.82	21.82	21.60	23
10	16QAM	25	12	21.74	21.63	21.66	
10	16QAM	25	25	21.65	21.63	21.48	
10	16QAM	50	0	21.55	21.78	21.63	
10	64QAM	1	0	22.08	21.97	22.01	23
10	64QAM	1	25	22.04	22.14	21.77	
10	64QAM	1	49	21.85	21.90	21.89	
10	64QAM	25	0	20.73	20.76	20.62	22
10	64QAM	25	12	20.65	20.73	20.62	
10	64QAM	25	25	20.67	20.74	20.51	
10	64QAM	50	0	20.62	20.67	20.49	
10	256QAM	1	0	18.62	18.89	18.89	20
10	256QAM	1	25	18.17	18.36	18.29	
10	256QAM	1	49	18.40	18.77	18.60	
10	256QAM	25	0	18.48	18.68	18.49	20
10	256QAM	25	12	18.36	18.53	18.49	
10	256QAM	25	25	18.33	18.58	18.35	
10	256QAM	50	0	18.24	18.59	18.58	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.86	23.78	23.79	23.9
5	QPSK	1	12	23.72	23.67	23.40	
5	QPSK	1	24	23.57	23.75	23.61	
5	QPSK	12	0	22.58	22.78	22.67	23.9
5	QPSK	12	7	22.69	22.77	22.50	
5	QPSK	12	13	22.81	22.71	22.62	
5	QPSK	25	0	22.60	22.54	22.75	
5	16QAM	1	0	23.06	23.01	22.96	23.9
5	16QAM	1	12	22.92	23.16	22.87	
5	16QAM	1	24	22.95	23.15	22.88	
5	16QAM	12	0	21.72	21.68	21.73	23
5	16QAM	12	7	21.77	21.73	21.72	
5	16QAM	12	13	21.68	21.66	21.58	
5	16QAM	25	0	21.69	21.71	21.55	
5	64QAM	1	0	22.19	22.01	21.90	23
5	64QAM	1	12	22.10	22.02	21.88	
5	64QAM	1	24	21.97	21.95	21.73	
5	64QAM	12	0	20.81	20.66	20.60	22
5	64QAM	12	7	20.69	20.59	20.66	
5	64QAM	12	13	20.69	20.69	20.51	
5	64QAM	25	0	20.70	20.64	20.66	
5	256QAM	1	0	18.69	18.88	18.77	20
5	256QAM	1	12	18.18	18.38	18.22	
5	256QAM	1	24	18.53	18.76	18.45	
5	256QAM	12	0	18.48	18.68	18.55	20
5	256QAM	12	7	18.37	18.58	18.40	
5	256QAM	12	13	18.35	18.56	18.45	
5	256QAM	25	0	18.24	18.55	18.42	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.84	23.68	23.68	23.9
3	QPSK	1	8	23.74	23.77	23.48	
3	QPSK	1	14	23.59	23.68	23.51	
3	QPSK	8	0	22.61	22.66	22.59	23.9
3	QPSK	8	4	22.67	22.77	22.58	
3	QPSK	8	7	22.70	22.81	22.67	
3	QPSK	15	0	22.65	22.68	22.68	
3	16QAM	1	0	23.08	22.98	23.02	23.9
3	16QAM	1	8	22.92	23.07	22.94	
3	16QAM	1	14	23.00	23.07	22.93	
3	16QAM	8	0	21.81	21.73	21.64	23
3	16QAM	8	4	21.60	21.71	21.56	
3	16QAM	8	7	21.72	21.77	21.58	
3	16QAM	15	0	21.60	21.73	21.50	
3	64QAM	1	0	22.18	21.98	22.00	23
3	64QAM	1	8	22.04	21.98	21.71	
3	64QAM	1	14	22.01	21.93	21.83	
3	64QAM	8	0	20.64	20.74	20.71	22
3	64QAM	8	4	20.70	20.78	20.56	
3	64QAM	8	7	20.73	20.76	20.62	
3	64QAM	15	0	20.60	20.62	20.63	
3	256QAM	1	0	18.75	18.93	18.72	20
3	256QAM	1	8	18.17	18.44	18.14	
3	256QAM	1	14	18.40	18.69	18.56	
3	256QAM	8	0	18.45	18.65	18.60	20
3	256QAM	8	4	18.36	18.67	18.44	
3	256QAM	8	7	18.47	18.61	18.37	
3	256QAM	15	0	18.36	18.52	18.57	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.81	23.76	23.82	23.9
1.4	QPSK	1	3	23.81	23.72	23.46	
1.4	QPSK	1	5	23.67	23.63	23.65	
1.4	QPSK	3	0	23.80	23.78	23.80	
1.4	QPSK	3	1	23.72	23.72	23.37	
1.4	QPSK	3	3	23.60	23.75	23.65	
1.4	QPSK	6	0	22.58	22.85	22.55	23.9
1.4	16QAM	1	0	22.79	22.76	22.59	23.9
1.4	16QAM	1	3	22.80	22.73	22.72	
1.4	16QAM	1	5	22.70	22.61	22.61	
1.4	16QAM	3	0	23.06	23.17	22.97	
1.4	16QAM	3	1	22.86	23.15	23.04	
1.4	16QAM	3	3	22.89	23.04	22.79	
1.4	16QAM	6	0	21.81	21.85	21.65	23
1.4	64QAM	1	0	21.62	21.63	21.61	23
1.4	64QAM	1	3	21.76	21.71	21.49	
1.4	64QAM	1	5	21.52	21.84	21.52	
1.4	64QAM	3	0	22.24	22.02	21.91	
1.4	64QAM	3	1	22.00	22.08	21.77	
1.4	64QAM	3	3	21.89	21.93	21.70	
1.4	64QAM	6	0	20.80	20.78	20.54	22
1.4	256QAM	1	0	18.73	18.96	18.71	20
1.4	256QAM	1	3	18.21	18.39	18.20	
1.4	256QAM	1	5	18.41	18.65	18.50	
1.4	256QAM	3	0	18.37	18.58	18.65	
1.4	256QAM	3	1	18.27	18.56	18.37	
1.4	256QAM	3	3	18.46	18.55	18.47	
1.4	256QAM	6	0	18.32	18.56	18.51	20



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	18.4
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.24	17.35	17.34	
20	QPSK	1	49	16.98	17.00	17.05	18.4
20	QPSK	1	99	17.19	17.22	17.17	
20	QPSK	50	0	17.26	17.27	17.23	
20	QPSK	50	24	17.25	17.25	17.20	18.4
20	QPSK	50	50	17.13	17.26	17.17	
20	QPSK	100	0	17.26	17.27	17.12	
20	16QAM	1	0	17.15	17.19	17.27	18.4
20	16QAM	1	49	17.18	17.06	17.09	
20	16QAM	1	99	17.06	17.04	16.83	
20	16QAM	50	0	17.23	17.32	17.20	18.4
20	16QAM	50	24	17.31	17.31	17.22	
20	16QAM	50	50	17.17	17.28	17.21	
20	16QAM	100	0	17.26	17.32	17.28	18.4
20	64QAM	1	0	17.06	17.04	16.90	
20	64QAM	1	49	17.27	17.07	17.08	
20	64QAM	1	99	17.05	17.09	16.90	18.4
20	64QAM	50	0	17.28	17.26	17.25	
20	64QAM	50	24	17.34	17.25	17.24	
20	64QAM	50	50	17.33	17.32	17.18	18.4
20	64QAM	100	0	17.30	17.31	17.33	
20	256QAM	1	0	17.18	17.31	17.25	
20	256QAM	1	49	16.83	16.89	17.02	18.4
20	256QAM	1	99	17.03	17.13	17.00	
20	256QAM	50	0	17.20	17.27	17.16	
20	256QAM	50	24	17.07	17.24	17.05	18.4
20	256QAM	50	50	16.94	17.19	17.07	
20	256QAM	100	0	17.09	17.26	16.97	
Channel				26115	26340	26615	18.4
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.11	17.17	17.22	
15	QPSK	1	37	16.98	16.90	16.98	18.4
15	QPSK	1	74	17.08	17.13	17.05	
15	QPSK	36	0	17.20	17.24	17.03	
15	QPSK	36	20	17.15	17.16	17.05	18.4
15	QPSK	36	39	17.13	17.11	17.00	
15	QPSK	75	0	17.06	17.24	16.95	
15	16QAM	1	0	16.99	17.05	17.18	18.4
15	16QAM	1	37	17.17	17.03	16.99	
15	16QAM	1	74	16.93	16.84	16.74	
15	16QAM	36	0	17.22	17.25	17.14	18.4
15	16QAM	36	20	17.14	17.21	17.02	
15	16QAM	36	39	17.05	17.17	17.09	
15	16QAM	75	0	17.26	17.26	17.22	18.4
15	64QAM	1	0	16.90	16.97	16.89	
15	64QAM	1	37	17.09	16.90	17.06	
15	64QAM	1	74	16.86	16.98	16.79	18.4
15	64QAM	36	0	17.20	17.23	17.09	
15	64QAM	36	20	17.27	17.05	17.14	
15	64QAM	36	39	17.17	17.24	17.12	18.4
15	64QAM	75	0	17.22	17.14	17.13	
15	256QAM	1	0	17.13	17.25	17.11	
15	256QAM	1	37	16.67	16.74	16.94	18.4
15	256QAM	1	74	17.02	17.01	16.80	
15	256QAM	36	0	17.09	17.23	16.96	
15	256QAM	36	20	17.07	17.06	16.95	18.4



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15	256QAM	36	39	16.85	17.11	17.00	Tune-up limit (dBm)
15	256QAM	75	0	17.08	17.17	16.91	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	17.05	17.18	17.28	18.4
10	QPSK	1	25	16.85	16.90	16.92	
10	QPSK	1	49	17.17	17.04	17.01	
10	QPSK	25	0	17.19	17.22	17.16	18.4
10	QPSK	25	12	17.13	17.13	17.06	
10	QPSK	25	25	16.96	17.17	16.97	
10	QPSK	50	0	17.11	17.12	17.02	
10	16QAM	1	0	17.12	17.11	17.13	18.4
10	16QAM	1	25	17.18	16.87	17.04	
10	16QAM	1	49	17.00	16.87	16.67	
10	16QAM	25	0	17.19	17.22	17.09	18.4
10	16QAM	25	12	17.30	17.14	17.03	
10	16QAM	25	25	16.99	17.20	17.18	
10	16QAM	50	0	17.16	17.13	17.16	
10	64QAM	1	0	17.01	16.92	16.81	18.4
10	64QAM	1	25	17.27	17.07	17.05	
10	64QAM	1	49	17.01	16.99	16.90	
10	64QAM	25	0	17.16	17.17	17.23	18.4
10	64QAM	25	12	17.27	17.06	17.17	
10	64QAM	25	25	17.17	17.29	17.01	
10	64QAM	50	0	17.11	17.31	17.17	
10	256QAM	1	0	17.17	17.24	17.18	18.4
10	256QAM	1	25	16.74	16.86	16.95	
10	256QAM	1	49	16.94	17.07	16.82	
10	256QAM	25	0	17.18	17.21	17.09	18.4
10	256QAM	25	12	16.96	17.09	16.98	
10	256QAM	25	25	16.90	17.03	17.03	
10	256QAM	50	0	16.94	17.21	16.94	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	17.05	17.33	17.24	18.4
5	QPSK	1	12	16.80	16.84	17.00	
5	QPSK	1	24	17.05	17.07	17.15	
5	QPSK	12	0	17.06	17.20	17.14	18.4
5	QPSK	12	7	17.10	17.08	17.17	
5	QPSK	12	13	17.08	17.17	17.08	
5	QPSK	25	0	17.14	17.14	17.07	
5	16QAM	1	0	17.06	17.14	17.25	18.4
5	16QAM	1	12	17.05	16.86	17.00	
5	16QAM	1	24	17.01	17.00	16.81	
5	16QAM	12	0	17.21	17.21	17.08	18.4
5	16QAM	12	7	17.26	17.22	17.21	
5	16QAM	12	13	17.11	17.28	17.17	
5	16QAM	25	0	17.18	17.32	17.10	
5	64QAM	1	0	17.03	16.95	16.86	18.4
5	64QAM	1	12	17.07	16.96	17.07	
5	64QAM	1	24	16.96	17.07	16.75	
5	64QAM	12	0	17.15	17.07	17.23	18.4
5	64QAM	12	7	17.23	17.23	17.11	
5	64QAM	12	13	17.31	17.21	17.02	
5	64QAM	25	0	17.30	17.31	17.24	
5	256QAM	1	0	17.03	17.13	17.11	18.4
5	256QAM	1	12	16.81	16.79	16.98	
5	256QAM	1	24	16.90	17.12	16.86	
5	256QAM	12	0	17.10	17.08	17.16	18.4
5	256QAM	12	7	16.97	17.08	16.97	
5	256QAM	12	13	16.78	17.01	16.94	
5	256QAM	25	0	16.95	17.26	16.88	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	17.04	17.16	17.18	18.4
3	QPSK	1	8	16.80	16.87	17.04	
3	QPSK	1	14	17.14	17.03	17.14	
3	QPSK	8	0	17.21	17.27	17.11	18.4
3	QPSK	8	4	17.24	17.19	17.13	
3	QPSK	8	7	17.12	17.21	17.15	
3	QPSK	15	0	17.24	17.22	17.11	18.4
3	16QAM	1	0	16.99	17.04	17.11	
3	16QAM	1	8	17.02	17.02	17.02	
3	16QAM	1	14	17.03	16.91	16.79	18.4
3	16QAM	8	0	17.03	17.12	17.07	
3	16QAM	8	4	17.13	17.29	17.08	
3	16QAM	8	7	17.12	17.28	17.09	18.4
3	16QAM	15	0	17.15	17.16	17.24	
3	64QAM	1	0	16.89	16.99	16.79	
3	64QAM	1	8	17.20	17.06	17.05	18.4
3	64QAM	1	14	16.98	16.97	16.81	
3	64QAM	8	0	17.27	17.18	17.14	
3	64QAM	8	4	17.16	17.05	17.08	18.4
3	64QAM	8	7	17.24	17.32	17.16	
3	64QAM	15	0	17.11	17.31	17.22	
3	256QAM	1	0	17.15	17.24	17.24	18.4
3	256QAM	1	8	16.79	16.86	16.98	
3	256QAM	1	14	16.95	17.08	16.93	
3	256QAM	8	0	17.08	17.27	17.03	18.4
3	256QAM	8	4	16.89	17.17	16.98	
3	256QAM	8	7	16.90	17.15	16.95	
3	256QAM	15	0	17.01	17.24	16.90	Tune-up limit (dBm)
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	18.4
1.4	QPSK	1	0	17.24	17.34	17.30	
1.4	QPSK	1	3	16.80	16.81	16.92	
1.4	QPSK	1	5	17.08	17.21	17.01	18.4
1.4	QPSK	3	0	17.06	17.15	17.16	
1.4	QPSK	3	1	17.10	17.07	17.17	
1.4	QPSK	3	3	17.04	17.09	16.98	18.4
1.4	QPSK	6	0	17.12	17.11	17.09	
1.4	16QAM	1	0	17.14	17.00	17.18	
1.4	16QAM	1	3	17.02	16.88	16.95	18.4
1.4	16QAM	1	5	17.05	16.96	16.73	
1.4	16QAM	3	0	17.09	17.23	17.16	
1.4	16QAM	3	1	17.13	17.26	17.02	18.4
1.4	16QAM	3	3	17.09	17.27	17.14	
1.4	16QAM	6	0	17.14	17.30	17.21	
1.4	64QAM	1	0	16.90	17.04	16.81	18.4
1.4	64QAM	1	3	17.09	16.91	16.92	
1.4	64QAM	1	5	16.98	16.89	16.79	
1.4	64QAM	3	0	17.24	17.10	17.05	18.4
1.4	64QAM	3	1	17.18	17.09	17.11	
1.4	64QAM	3	3	17.26	17.12	16.99	
1.4	64QAM	6	0	17.12	17.12	17.21	18.4
1.4	256QAM	1	0	17.05	17.13	17.20	
1.4	256QAM	1	3	16.83	16.69	16.96	
1.4	256QAM	1	5	16.96	17.09	16.81	18.4
1.4	256QAM	3	0	17.20	17.27	16.99	
1.4	256QAM	3	1	17.01	17.05	16.88	
1.4	256QAM	3	3	16.76	17.12	16.96	18.4
1.4	256QAM	6	0	16.89	17.07	16.79	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.14	21.18	21.12	
20	QPSK	1	49	21.04	20.85	20.80	22
20	QPSK	1	99	20.98	21.11	20.93	
20	QPSK	50	0	21.13	21.14	20.97	
20	QPSK	50	24	21.10	21.08	20.91	22
20	QPSK	50	50	21.10	21.00	20.85	
20	QPSK	100	0	21.13	21.14	21.07	
20	16QAM	1	0	21.04	21.04	21.06	22
20	16QAM	1	49	21.03	21.05	21.01	
20	16QAM	1	99	21.16	21.08	21.05	
20	16QAM	50	0	21.17	21.14	21.03	22
20	16QAM	50	24	21.15	21.12	21.04	
20	16QAM	50	50	21.10	20.86	20.97	
20	16QAM	100	0	21.15	21.15	21.03	22
20	64QAM	1	0	21.04	21.00	21.15	
20	64QAM	1	49	20.85	21.09	21.03	
20	64QAM	1	99	20.90	21.05	21.16	22
20	64QAM	50	0	20.69	20.74	20.65	
20	64QAM	50	24	20.70	20.63	20.62	
20	64QAM	50	50	20.63	20.70	20.54	20
20	64QAM	100	0	20.64	20.74	20.59	
20	256QAM	1	0	18.96	18.89	18.79	
20	256QAM	1	49	18.33	18.32	18.15	20
20	256QAM	1	99	18.84	18.85	18.70	
20	256QAM	50	0	18.48	18.69	18.45	
20	256QAM	50	24	18.57	18.55	18.51	20
20	256QAM	50	50	18.63	18.72	18.48	
20	256QAM	100	0	18.75	18.63	18.46	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	21.06	21.07	20.93	
15	QPSK	1	37	21.04	20.67	20.71	22
15	QPSK	1	74	20.88	20.96	20.80	
15	QPSK	36	0	21.11	21.08	20.83	22
15	QPSK	36	20	21.00	21.02	20.71	
15	QPSK	36	39	20.97	20.81	20.75	
15	QPSK	75	0	21.00	21.11	20.94	22
15	16QAM	1	0	20.88	21.04	21.02	
15	16QAM	1	37	20.96	20.88	20.86	
15	16QAM	1	74	20.99	21.02	21.02	22
15	16QAM	36	0	21.06	21.04	20.90	
15	16QAM	36	20	20.97	21.09	20.91	
15	16QAM	36	39	20.90	20.72	20.97	22
15	16QAM	75	0	21.09	21.09	20.96	
15	64QAM	1	0	20.95	20.84	21.02	
15	64QAM	1	37	20.76	21.00	20.89	22
15	64QAM	1	74	20.90	20.86	21.04	
15	64QAM	36	0	20.60	20.66	20.64	
15	64QAM	36	20	20.70	20.62	20.62	22
15	64QAM	36	39	20.54	20.59	20.49	
15	64QAM	75	0	20.48	20.54	20.46	
15	256QAM	1	0	18.95	18.85	18.69	20
15	256QAM	1	37	18.30	18.13	18.08	
15	256QAM	1	74	18.64	18.76	18.68	
15	256QAM	36	0	18.39	18.65	18.35	20
15	256QAM	36	20	18.37	18.50	18.39	



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15	256QAM	36	39	18.57	18.64	18.37	Tune-up limit (dBm)
15	256QAM	75	0	18.75	18.63	18.38	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	20.97	21.14	21.02	22
10	QPSK	1	25	20.88	20.85	20.66	
10	QPSK	1	49	20.91	21.10	20.83	
10	QPSK	25	0	21.08	21.07	20.82	22
10	QPSK	25	12	21.08	20.89	20.86	
10	QPSK	25	25	21.08	20.97	20.85	
10	QPSK	50	0	20.98	21.01	20.93	
10	16QAM	1	0	21.02	20.94	20.99	22
10	16QAM	1	25	20.89	20.96	20.97	
10	16QAM	1	49	21.10	20.96	20.95	
10	16QAM	25	0	21.06	20.94	20.93	22
10	16QAM	25	12	21.10	21.07	20.88	
10	16QAM	25	25	21.10	20.66	20.95	
10	16QAM	50	0	21.06	21.01	20.94	
10	64QAM	1	0	20.93	20.90	20.96	22
10	64QAM	1	25	20.80	21.01	20.98	
10	64QAM	1	49	20.84	21.00	21.12	
10	64QAM	25	0	20.57	20.70	20.60	22
10	64QAM	25	12	20.55	20.55	20.44	
10	64QAM	25	25	20.43	20.61	20.52	
10	64QAM	50	0	20.63	20.62	20.54	
10	256QAM	1	0	18.90	18.89	18.62	20
10	256QAM	1	25	18.27	18.18	18.08	
10	256QAM	1	49	18.64	18.71	18.59	
10	256QAM	25	0	18.35	18.56	18.45	20
10	256QAM	25	12	18.57	18.47	18.48	
10	256QAM	25	25	18.57	18.65	18.38	
10	256QAM	50	0	18.57	18.55	18.30	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	21.14	21.17	20.95	22
5	QPSK	1	12	21.03	20.77	20.61	
5	QPSK	1	24	20.96	20.95	20.77	
5	QPSK	12	0	21.02	20.95	20.83	22
5	QPSK	12	7	21.05	21.02	20.78	
5	QPSK	12	13	21.04	20.87	20.71	
5	QPSK	25	0	21.12	21.06	21.05	
5	16QAM	1	0	20.95	20.84	20.90	22
5	16QAM	1	12	20.94	21.01	20.90	
5	16QAM	1	24	21.10	20.99	20.92	
5	16QAM	12	0	21.15	20.94	20.85	22
5	16QAM	12	7	21.15	21.02	20.87	
5	16QAM	12	13	21.09	20.73	20.92	
5	16QAM	25	0	21.14	20.99	20.90	
5	64QAM	1	0	20.95	20.86	21.00	22
5	64QAM	1	12	20.68	21.08	20.85	
5	64QAM	1	24	20.78	21.04	20.98	
5	64QAM	12	0	20.64	20.56	20.56	22
5	64QAM	12	7	20.65	20.51	20.46	
5	64QAM	12	13	20.48	20.51	20.45	
5	64QAM	25	0	20.58	20.57	20.39	
5	256QAM	1	0	18.92	18.70	18.71	20
5	256QAM	1	12	18.26	18.13	18.00	
5	256QAM	1	24	18.78	18.72	18.51	
5	256QAM	12	0	18.39	18.69	18.34	20
5	256QAM	12	7	18.39	18.45	18.48	
5	256QAM	12	13	18.45	18.56	18.28	
5	256QAM	25	0	18.56	18.58	18.43	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	21.05	21.04	20.99	22
3	QPSK	1	8	20.87	20.67	20.70	
3	QPSK	1	14	20.90	21.04	20.85	
3	QPSK	8	0	20.94	20.95	20.80	22
3	QPSK	8	4	21.08	20.97	20.85	
3	QPSK	8	7	21.02	20.92	20.70	
3	QPSK	15	0	20.93	20.97	20.95	
3	16QAM	1	0	20.87	20.91	20.93	22
3	16QAM	1	8	20.83	20.90	20.88	
3	16QAM	1	14	21.06	20.97	21.03	
3	16QAM	8	0	21.02	21.06	20.88	22
3	16QAM	8	4	21.05	20.98	21.00	
3	16QAM	8	7	20.99	20.79	20.80	
3	16QAM	15	0	21.15	21.01	20.87	
3	64QAM	1	0	20.94	20.88	21.00	22
3	64QAM	1	8	20.76	20.89	20.86	
3	64QAM	1	14	20.71	20.93	21.15	
3	64QAM	8	0	20.49	20.74	20.53	22
3	64QAM	8	4	20.65	20.49	20.53	
3	64QAM	8	7	20.62	20.68	20.53	
3	64QAM	15	0	20.53	20.69	20.44	
3	256QAM	1	0	18.96	18.70	18.62	20
3	256QAM	1	8	18.23	18.30	18.08	
3	256QAM	1	14	18.73	18.81	18.61	
3	256QAM	8	0	18.34	18.68	18.44	20
3	256QAM	8	4	18.42	18.53	18.32	
3	256QAM	8	7	18.50	18.53	18.28	
3	256QAM	15	0	18.71	18.51	18.41	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	21.05	20.98	21.10	22
1.4	QPSK	1	3	20.88	20.67	20.79	
1.4	QPSK	1	5	20.83	20.94	20.87	
1.4	QPSK	3	0	21.00	21.07	20.85	
1.4	QPSK	3	1	21.04	21.03	20.78	
1.4	QPSK	3	3	21.10	20.88	20.65	
1.4	QPSK	6	0	20.98	20.98	21.01	
1.4	16QAM	1	0	21.00	21.00	21.02	22
1.4	16QAM	1	3	20.83	20.85	20.81	
1.4	16QAM	1	5	21.08	20.96	21.05	
1.4	16QAM	3	0	21.11	21.10	20.89	
1.4	16QAM	3	1	20.95	21.04	20.97	
1.4	16QAM	3	3	21.10	20.76	20.96	
1.4	16QAM	6	0	21.13	21.13	20.92	22
1.4	64QAM	1	0	20.84	20.99	21.12	22
1.4	64QAM	1	3	20.65	20.97	20.93	
1.4	64QAM	1	5	20.73	21.01	21.01	
1.4	64QAM	3	0	20.58	20.64	20.51	
1.4	64QAM	3	1	20.69	20.61	20.53	
1.4	64QAM	3	3	20.62	20.70	20.48	
1.4	64QAM	6	0	20.56	20.74	20.52	22
1.4	256QAM	1	0	18.95	18.89	18.74	20
1.4	256QAM	1	3	18.18	18.19	18.05	
1.4	256QAM	1	5	18.69	18.72	18.67	
1.4	256QAM	3	0	18.33	18.67	18.39	
1.4	256QAM	3	1	18.43	18.43	18.48	
1.4	256QAM	3	3	18.59	18.56	18.38	
1.4	256QAM	6	0	18.73	18.56	18.38	20



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.60	19.64	19.58	
20	QPSK	1	49	19.29	19.58	19.21	20.6
20	QPSK	1	99	19.50	19.51	19.42	
20	QPSK	50	0	19.57	19.55	19.42	
20	QPSK	50	24	19.50	19.51	19.37	20.6
20	QPSK	50	50	19.49	19.53	19.37	
20	QPSK	100	0	19.53	19.53	19.32	
20	16QAM	1	0	19.51	19.54	19.48	20.6
20	16QAM	1	49	19.46	19.42	19.50	
20	16QAM	1	99	19.54	19.37	19.41	
20	16QAM	50	0	19.52	19.59	19.43	20.6
20	16QAM	50	24	19.54	19.63	19.40	
20	16QAM	50	50	19.46	19.54	19.37	
20	16QAM	100	0	19.42	19.61	19.45	20.6
20	64QAM	1	0	19.45	19.53	19.55	
20	64QAM	1	49	19.62	19.41	19.55	
20	64QAM	1	99	19.63	19.53	19.51	20.6
20	64QAM	50	0	19.60	19.59	19.46	
20	64QAM	50	24	19.53	19.59	19.48	
20	64QAM	50	50	19.49	19.48	19.40	20
20	64QAM	100	0	19.55	19.42	19.43	
20	256QAM	1	0	19.40	19.34	19.29	
20	256QAM	1	49	18.92	19.03	19.00	20
20	256QAM	1	99	19.14	19.15	19.10	
20	256QAM	50	0	18.92	19.17	19.08	
20	256QAM	50	24	19.14	19.13	19.18	20
20	256QAM	50	50	19.11	19.23	19.00	
20	256QAM	100	0	19.05	19.09	19.09	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.59	19.52	19.50	
15	QPSK	1	37	19.24	19.57	19.08	20.6
15	QPSK	1	74	19.39	19.36	19.42	
15	QPSK	36	0	19.48	19.45	19.23	20.6
15	QPSK	36	20	19.47	19.40	19.29	
15	QPSK	36	39	19.40	19.45	19.17	
15	QPSK	75	0	19.48	19.45	19.26	20.6
15	16QAM	1	0	19.50	19.50	19.42	
15	16QAM	1	37	19.38	19.28	19.36	
15	16QAM	1	74	19.41	19.23	19.30	20.6
15	16QAM	36	0	19.42	19.50	19.24	
15	16QAM	36	20	19.34	19.63	19.35	
15	16QAM	36	39	19.26	19.41	19.34	20.6
15	16QAM	75	0	19.22	19.56	19.34	
15	64QAM	1	0	19.38	19.46	19.39	
15	64QAM	1	37	19.49	19.36	19.45	20.6
15	64QAM	1	74	19.58	19.35	19.43	
15	64QAM	36	0	19.49	19.59	19.36	
15	64QAM	36	20	19.52	19.50	19.45	20.6
15	64QAM	36	39	19.34	19.39	19.21	
15	64QAM	75	0	19.36	19.38	19.30	
15	256QAM	1	0	19.24	19.30	19.21	20
15	256QAM	1	37	18.88	18.99	18.94	
15	256QAM	1	74	19.00	19.10	19.03	
15	256QAM	36	0	18.88	18.99	18.92	20
15	256QAM	36	20	18.97	18.99	19.00	



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15	256QAM	36	39	19.04	19.23	18.89	
15	256QAM	75	0	18.92	19.09	19.00	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.59	19.61	19.52	20.6
10	QPSK	1	25	19.28	19.58	19.14	
10	QPSK	1	49	19.31	19.47	19.31	
10	QPSK	25	0	19.41	19.43	19.34	20.6
10	QPSK	25	12	19.36	19.41	19.28	
10	QPSK	25	25	19.37	19.43	19.29	
10	QPSK	50	0	19.48	19.44	19.20	
10	16QAM	1	0	19.43	19.35	19.33	20.6
10	16QAM	1	25	19.41	19.23	19.30	
10	16QAM	1	49	19.45	19.21	19.37	
10	16QAM	25	0	19.33	19.52	19.24	20.6
10	16QAM	25	12	19.39	19.49	19.37	
10	16QAM	25	25	19.43	19.48	19.27	
10	16QAM	50	0	19.36	19.54	19.26	
10	64QAM	1	0	19.38	19.34	19.54	20.6
10	64QAM	1	25	19.59	19.32	19.43	
10	64QAM	1	49	19.49	19.50	19.36	
10	64QAM	25	0	19.55	19.45	19.28	20.6
10	64QAM	25	12	19.48	19.55	19.33	
10	64QAM	25	25	19.38	19.46	19.30	
10	64QAM	50	0	19.39	19.24	19.28	
10	256QAM	1	0	19.38	19.20	19.17	20
10	256QAM	1	25	18.85	18.96	18.82	
10	256QAM	1	49	18.98	19.10	18.98	
10	256QAM	25	0	18.89	19.01	19.06	20
10	256QAM	25	12	19.02	18.96	19.14	
10	256QAM	25	25	19.00	19.14	18.93	
10	256QAM	50	0	19.03	19.00	18.95	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.49	19.53	19.49	20.6
5	QPSK	1	12	19.25	19.39	19.07	
5	QPSK	1	24	19.37	19.49	19.29	
5	QPSK	12	0	19.38	19.49	19.23	20.6
5	QPSK	12	7	19.34	19.36	19.17	
5	QPSK	12	13	19.37	19.35	19.31	
5	QPSK	25	0	19.35	19.52	19.18	
5	16QAM	1	0	19.38	19.36	19.41	20.6
5	16QAM	1	12	19.44	19.41	19.34	
5	16QAM	1	24	19.42	19.34	19.38	
5	16QAM	12	0	19.42	19.44	19.31	20.6
5	16QAM	12	7	19.52	19.46	19.36	
5	16QAM	12	13	19.31	19.39	19.29	
5	16QAM	25	0	19.40	19.47	19.43	
5	64QAM	1	0	19.45	19.39	19.55	20.6
5	64QAM	1	12	19.62	19.30	19.47	
5	64QAM	1	24	19.61	19.49	19.38	
5	64QAM	12	0	19.51	19.47	19.37	20.6
5	64QAM	12	7	19.46	19.45	19.40	
5	64QAM	12	13	19.49	19.30	19.35	
5	64QAM	25	0	19.40	19.30	19.40	
5	256QAM	1	0	19.22	19.14	19.26	20
5	256QAM	1	12	18.86	19.02	18.93	
5	256QAM	1	24	18.99	19.08	18.94	
5	256QAM	12	0	18.75	18.97	19.06	20
5	256QAM	12	7	19.09	19.03	19.06	
5	256QAM	12	13	18.91	19.23	18.95	
5	256QAM	25	0	18.95	18.91	19.00	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.59	19.57	19.50	20.6
3	QPSK	1	8	19.25	19.40	19.06	
3	QPSK	1	14	19.38	19.42	19.38	
3	QPSK	8	0	19.43	19.55	19.27	20.6
3	QPSK	8	4	19.47	19.50	19.22	
3	QPSK	8	7	19.49	19.33	19.36	
3	QPSK	15	0	19.40	19.35	19.14	
3	16QAM	1	0	19.37	19.35	19.31	20.6
3	16QAM	1	8	19.32	19.35	19.30	
3	16QAM	1	14	19.43	19.17	19.24	
3	16QAM	8	0	19.51	19.42	19.28	20.6
3	16QAM	8	4	19.49	19.58	19.35	
3	16QAM	8	7	19.45	19.35	19.18	
3	16QAM	15	0	19.30	19.41	19.43	
3	64QAM	1	0	19.39	19.53	19.38	20.6
3	64QAM	1	8	19.46	19.33	19.42	
3	64QAM	1	14	19.58	19.38	19.39	
3	64QAM	8	0	19.60	19.41	19.36	20.6
3	64QAM	8	4	19.38	19.59	19.29	
3	64QAM	8	7	19.35	19.32	19.22	
3	64QAM	15	0	19.38	19.22	19.36	
3	256QAM	1	0	19.30	19.29	19.23	20
3	256QAM	1	8	18.79	19.01	18.99	
3	256QAM	1	14	19.00	18.95	19.00	
3	256QAM	8	0	18.89	19.15	18.98	20
3	256QAM	8	4	19.11	19.08	19.01	
3	256QAM	8	7	19.08	19.14	18.82	
3	256QAM	15	0	18.98	18.92	19.08	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.40	19.50	19.47	20.6
1.4	QPSK	1	3	19.28	19.48	19.12	
1.4	QPSK	1	5	19.31	19.50	19.32	
1.4	QPSK	3	0	19.53	19.50	19.22	
1.4	QPSK	3	1	19.45	19.46	19.33	
1.4	QPSK	3	3	19.37	19.48	19.37	
1.4	QPSK	6	0	19.47	19.34	19.12	20.6
1.4	16QAM	1	0	19.44	19.53	19.46	20.6
1.4	16QAM	1	3	19.35	19.42	19.46	
1.4	16QAM	1	5	19.41	19.25	19.27	
1.4	16QAM	3	0	19.33	19.56	19.23	
1.4	16QAM	3	1	19.40	19.56	19.39	
1.4	16QAM	3	3	19.39	19.53	19.36	20.6
1.4	16QAM	6	0	19.23	19.53	19.35	
1.4	64QAM	1	0	19.40	19.47	19.39	20.6
1.4	64QAM	1	3	19.60	19.21	19.50	
1.4	64QAM	1	5	19.50	19.37	19.32	
1.4	64QAM	3	0	19.40	19.47	19.26	
1.4	64QAM	3	1	19.49	19.50	19.40	
1.4	64QAM	3	3	19.37	19.30	19.37	20.6
1.4	64QAM	6	0	19.49	19.33	19.40	
1.4	256QAM	1	0	19.38	19.22	19.23	20
1.4	256QAM	1	3	18.74	19.03	18.93	
1.4	256QAM	1	5	19.10	19.07	19.05	
1.4	256QAM	3	0	18.85	19.15	18.92	
1.4	256QAM	3	1	19.04	18.93	19.05	
1.4	256QAM	3	3	18.98	19.17	18.95	20
1.4	256QAM	6	0	19.03	19.06	19.06	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.90	23.85	23.83	
20	QPSK	1	49	23.87	23.84	23.55	24.6
20	QPSK	1	99	23.77	23.79	23.71	
20	QPSK	50	0	22.78	22.85	22.67	
20	QPSK	50	24	22.84	22.91	22.66	24
20	QPSK	50	50	22.87	22.84	22.74	
20	QPSK	100	0	22.79	22.70	22.76	
20	16QAM	1	0	23.08	23.18	23.06	24
20	16QAM	1	49	23.05	23.18	23.06	
20	16QAM	1	99	23.08	23.15	22.99	
20	16QAM	50	0	21.89	21.87	21.77	23
20	16QAM	50	24	21.79	21.83	21.76	
20	16QAM	50	50	21.84	21.80	21.68	
20	16QAM	100	0	21.70	21.89	21.69	23
20	64QAM	1	0	22.26	22.09	22.04	
20	64QAM	1	49	22.16	22.14	21.91	
20	64QAM	1	99	22.01	22.04	21.90	22
20	64QAM	50	0	20.81	20.84	20.74	
20	64QAM	50	24	20.80	20.79	20.66	
20	64QAM	50	50	20.75	20.80	20.71	20
20	64QAM	100	0	20.77	20.79	20.68	
20	256QAM	1	0	18.79	18.97	18.89	
20	256QAM	1	49	18.28	18.52	18.34	20
20	256QAM	1	99	18.56	18.79	18.61	
20	256QAM	50	0	18.56	18.76	18.65	
20	256QAM	50	24	18.43	18.70	18.52	20
20	256QAM	50	50	18.50	18.68	18.54	
20	256QAM	100	0	18.40	18.68	18.59	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.88	23.67	23.83	
15	QPSK	1	37	23.86	23.77	23.52	24.6
15	QPSK	1	74	23.69	23.63	23.67	
15	QPSK	36	0	22.74	22.81	22.58	24
15	QPSK	36	20	22.77	22.79	22.66	
15	QPSK	36	39	22.73	22.74	22.60	
15	QPSK	75	0	22.66	22.51	22.64	24
15	16QAM	1	0	23.05	22.98	23.01	
15	16QAM	1	37	22.98	23.06	22.99	
15	16QAM	1	74	22.91	23.02	22.81	23
15	16QAM	36	0	21.73	21.87	21.57	
15	16QAM	36	20	21.64	21.64	21.66	
15	16QAM	36	39	21.72	21.60	21.57	23
15	16QAM	75	0	21.64	21.69	21.60	
15	64QAM	1	0	22.09	21.95	21.94	
15	64QAM	1	37	22.10	22.02	21.81	23
15	64QAM	1	74	21.88	22.04	21.71	
15	64QAM	36	0	20.71	20.83	20.72	
15	64QAM	36	20	20.66	20.73	20.60	22
15	64QAM	36	39	20.64	20.69	20.66	
15	64QAM	75	0	20.77	20.72	20.58	
15	256QAM	1	0	18.67	18.83	18.70	20
15	256QAM	1	37	18.24	18.43	18.25	
15	256QAM	1	74	18.55	18.71	18.45	
15	256QAM	36	0	18.50	18.59	18.53	20
15	256QAM	36	20	18.25	18.54	18.41	



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15	256QAM	36	39	18.33	18.49	18.36	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.68	18.49	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.79	23.69	24.6
10	QPSK	1	25	23.79	23.75	23.52	
10	QPSK	1	49	23.61	23.62	23.60	
10	QPSK	25	0	22.71	22.73	22.64	24
10	QPSK	25	12	22.76	22.77	22.56	
10	QPSK	25	25	22.81	22.73	22.70	
10	QPSK	50	0	22.61	22.56	22.61	
10	16QAM	1	0	22.95	23.03	22.99	24
10	16QAM	1	25	22.88	23.12	22.88	
10	16QAM	1	49	22.96	23.09	22.95	
10	16QAM	25	0	21.82	21.82	21.60	23
10	16QAM	25	12	21.74	21.63	21.66	
10	16QAM	25	25	21.65	21.63	21.48	
10	16QAM	50	0	21.55	21.78	21.63	
10	64QAM	1	0	22.08	21.97	22.01	23
10	64QAM	1	25	22.04	22.14	21.77	
10	64QAM	1	49	21.85	21.90	21.89	
10	64QAM	25	0	20.73	20.76	20.62	22
10	64QAM	25	12	20.65	20.73	20.62	
10	64QAM	25	25	20.67	20.74	20.51	
10	64QAM	50	0	20.62	20.67	20.49	
10	256QAM	1	0	18.62	18.89	18.89	20
10	256QAM	1	25	18.17	18.36	18.29	
10	256QAM	1	49	18.40	18.77	18.60	
10	256QAM	25	0	18.48	18.68	18.49	20
10	256QAM	25	12	18.36	18.53	18.49	
10	256QAM	25	25	18.33	18.58	18.35	
10	256QAM	50	0	18.24	18.59	18.58	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.86	23.78	23.79	24.6
5	QPSK	1	12	23.72	23.67	23.40	
5	QPSK	1	24	23.57	23.75	23.61	
5	QPSK	12	0	22.58	22.78	22.67	24
5	QPSK	12	7	22.69	22.77	22.50	
5	QPSK	12	13	22.81	22.71	22.62	
5	QPSK	25	0	22.60	22.54	22.75	
5	16QAM	1	0	23.06	23.01	22.96	24
5	16QAM	1	12	22.92	23.16	22.87	
5	16QAM	1	24	22.95	23.15	22.88	
5	16QAM	12	0	21.72	21.68	21.73	23
5	16QAM	12	7	21.77	21.73	21.72	
5	16QAM	12	13	21.68	21.66	21.58	
5	16QAM	25	0	21.69	21.71	21.55	
5	64QAM	1	0	22.19	22.01	21.90	23
5	64QAM	1	12	22.10	22.02	21.88	
5	64QAM	1	24	21.97	21.95	21.73	
5	64QAM	12	0	20.81	20.66	20.60	22
5	64QAM	12	7	20.69	20.59	20.66	
5	64QAM	12	13	20.69	20.69	20.51	
5	64QAM	25	0	20.70	20.64	20.66	
5	256QAM	1	0	18.69	18.88	18.77	20
5	256QAM	1	12	18.18	18.38	18.22	
5	256QAM	1	24	18.53	18.76	18.45	
5	256QAM	12	0	18.48	18.68	18.55	20
5	256QAM	12	7	18.37	18.58	18.40	
5	256QAM	12	13	18.35	18.56	18.45	
5	256QAM	25	0	18.24	18.55	18.42	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.84	23.68	23.68	24.6
3	QPSK	1	8	23.74	23.77	23.48	
3	QPSK	1	14	23.59	23.68	23.51	
3	QPSK	8	0	22.61	22.66	22.59	24
3	QPSK	8	4	22.67	22.77	22.58	
3	QPSK	8	7	22.70	22.81	22.67	
3	QPSK	15	0	22.65	22.68	22.68	
3	16QAM	1	0	23.08	22.98	23.02	24
3	16QAM	1	8	22.92	23.07	22.94	
3	16QAM	1	14	23.00	23.07	22.93	
3	16QAM	8	0	21.81	21.73	21.64	23
3	16QAM	8	4	21.60	21.71	21.56	
3	16QAM	8	7	21.72	21.77	21.58	
3	16QAM	15	0	21.60	21.73	21.50	
3	64QAM	1	0	22.18	21.98	22.00	23
3	64QAM	1	8	22.04	21.98	21.71	
3	64QAM	1	14	22.01	21.93	21.83	
3	64QAM	8	0	20.64	20.74	20.71	22
3	64QAM	8	4	20.70	20.78	20.56	
3	64QAM	8	7	20.73	20.76	20.62	
3	64QAM	15	0	20.60	20.62	20.63	
3	256QAM	1	0	18.75	18.93	18.72	20
3	256QAM	1	8	18.17	18.44	18.14	
3	256QAM	1	14	18.40	18.69	18.56	
3	256QAM	8	0	18.45	18.65	18.60	20
3	256QAM	8	4	18.36	18.67	18.44	
3	256QAM	8	7	18.47	18.61	18.37	
3	256QAM	15	0	18.36	18.52	18.57	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.81	23.76	23.82	24.6
1.4	QPSK	1	3	23.81	23.72	23.46	
1.4	QPSK	1	5	23.67	23.63	23.65	
1.4	QPSK	3	0	23.80	23.78	23.80	
1.4	QPSK	3	1	23.72	23.72	23.37	
1.4	QPSK	3	3	23.60	23.75	23.65	
1.4	QPSK	6	0	22.58	22.85	22.55	24
1.4	16QAM	1	0	22.79	22.76	22.59	24
1.4	16QAM	1	3	22.80	22.73	22.72	
1.4	16QAM	1	5	22.70	22.61	22.61	
1.4	16QAM	3	0	23.06	23.17	22.97	
1.4	16QAM	3	1	22.86	23.15	23.04	
1.4	16QAM	3	3	22.89	23.04	22.79	23
1.4	16QAM	6	0	21.81	21.85	21.65	
1.4	64QAM	1	0	21.62	21.63	21.61	
1.4	64QAM	1	3	21.76	21.71	21.49	
1.4	64QAM	1	5	21.52	21.84	21.52	23
1.4	64QAM	3	0	22.24	22.02	21.91	
1.4	64QAM	3	1	22.00	22.08	21.77	
1.4	64QAM	3	3	21.89	21.93	21.70	
1.4	64QAM	6	0	20.80	20.78	20.54	22
1.4	256QAM	1	0	18.73	18.96	18.71	20
1.4	256QAM	1	3	18.21	18.39	18.20	
1.4	256QAM	1	5	18.41	18.65	18.50	
1.4	256QAM	3	0	18.37	18.58	18.65	
1.4	256QAM	3	1	18.27	18.56	18.37	
1.4	256QAM	3	3	18.46	18.55	18.47	20
1.4	256QAM	6	0	18.32	18.56	18.51	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.24	17.35	17.34	
20	QPSK	1	49	16.98	17.00	17.05	17.7
20	QPSK	1	99	17.19	17.22	17.17	
20	QPSK	50	0	17.26	17.27	17.23	
20	QPSK	50	24	17.25	17.25	17.20	17.7
20	QPSK	50	50	17.13	17.26	17.17	
20	QPSK	100	0	17.26	17.27	17.12	
20	16QAM	1	0	17.15	17.19	17.27	17.7
20	16QAM	1	49	17.18	17.06	17.09	
20	16QAM	1	99	17.06	17.04	16.83	
20	16QAM	50	0	17.23	17.32	17.20	17.7
20	16QAM	50	24	17.31	17.31	17.22	
20	16QAM	50	50	17.17	17.28	17.21	
20	16QAM	100	0	17.26	17.32	17.28	17.7
20	64QAM	1	0	17.06	17.04	16.90	
20	64QAM	1	49	17.27	17.07	17.08	
20	64QAM	1	99	17.05	17.09	16.90	17.7
20	64QAM	50	0	17.28	17.26	17.25	
20	64QAM	50	24	17.34	17.25	17.24	
20	64QAM	50	50	17.33	17.32	17.18	17.7
20	64QAM	100	0	17.30	17.31	17.33	
20	256QAM	1	0	17.18	17.31	17.25	
20	256QAM	1	49	16.83	16.89	17.02	17.7
20	256QAM	1	99	17.03	17.13	17.00	
20	256QAM	50	0	17.20	17.27	17.16	
20	256QAM	50	24	17.07	17.24	17.05	17.7
20	256QAM	50	50	16.94	17.19	17.07	
20	256QAM	100	0	17.09	17.26	16.97	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.11	17.17	17.22	
15	QPSK	1	37	16.98	16.90	16.98	17.7
15	QPSK	1	74	17.08	17.13	17.05	
15	QPSK	36	0	17.20	17.24	17.03	
15	QPSK	36	20	17.15	17.16	17.05	17.7
15	QPSK	36	39	17.13	17.11	17.00	
15	QPSK	75	0	17.06	17.24	16.95	
15	16QAM	1	0	16.99	17.05	17.18	17.7
15	16QAM	1	37	17.17	17.03	16.99	
15	16QAM	1	74	16.93	16.84	16.74	
15	16QAM	36	0	17.22	17.25	17.14	17.7
15	16QAM	36	20	17.14	17.21	17.02	
15	16QAM	36	39	17.05	17.17	17.09	
15	16QAM	75	0	17.26	17.26	17.22	17.7
15	64QAM	1	0	16.90	16.97	16.89	
15	64QAM	1	37	17.09	16.90	17.06	
15	64QAM	1	74	16.86	16.98	16.79	17.7
15	64QAM	36	0	17.20	17.23	17.09	
15	64QAM	36	20	17.27	17.05	17.14	
15	64QAM	36	39	17.17	17.24	17.12	17.7
15	64QAM	75	0	17.22	17.14	17.13	
15	256QAM	1	0	17.13	17.25	17.11	
15	256QAM	1	37	16.67	16.74	16.94	17.7
15	256QAM	1	74	17.02	17.01	16.80	
15	256QAM	36	0	17.09	17.23	16.96	
15	256QAM	36	20	17.07	17.06	16.95	17.7



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15	256QAM	36	39	16.85	17.11	17.00	Tune-up limit (dBm)
15	256QAM	75	0	17.08	17.17	16.91	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	17.05	17.18	17.28	17.7
10	QPSK	1	25	16.85	16.90	16.92	
10	QPSK	1	49	17.17	17.04	17.01	
10	QPSK	25	0	17.19	17.22	17.16	17.7
10	QPSK	25	12	17.13	17.13	17.06	
10	QPSK	25	25	16.96	17.17	16.97	
10	QPSK	50	0	17.11	17.12	17.02	
10	16QAM	1	0	17.12	17.11	17.13	17.7
10	16QAM	1	25	17.18	16.87	17.04	
10	16QAM	1	49	17.00	16.87	16.67	
10	16QAM	25	0	17.19	17.22	17.09	17.7
10	16QAM	25	12	17.30	17.14	17.03	
10	16QAM	25	25	16.99	17.20	17.18	
10	16QAM	50	0	17.16	17.13	17.16	
10	64QAM	1	0	17.01	16.92	16.81	17.7
10	64QAM	1	25	17.27	17.07	17.05	
10	64QAM	1	49	17.01	16.99	16.90	
10	64QAM	25	0	17.16	17.17	17.23	17.7
10	64QAM	25	12	17.27	17.06	17.17	
10	64QAM	25	25	17.17	17.29	17.01	
10	64QAM	50	0	17.11	17.31	17.17	
10	256QAM	1	0	17.17	17.24	17.18	17.7
10	256QAM	1	25	16.74	16.86	16.95	
10	256QAM	1	49	16.94	17.07	16.82	
10	256QAM	25	0	17.18	17.21	17.09	17.7
10	256QAM	25	12	16.96	17.09	16.98	
10	256QAM	25	25	16.90	17.03	17.03	
10	256QAM	50	0	16.94	17.21	16.94	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	17.05	17.33	17.24	17.7
5	QPSK	1	12	16.80	16.84	17.00	
5	QPSK	1	24	17.05	17.07	17.15	
5	QPSK	12	0	17.06	17.20	17.14	17.7
5	QPSK	12	7	17.10	17.08	17.17	
5	QPSK	12	13	17.08	17.17	17.08	
5	QPSK	25	0	17.14	17.14	17.07	
5	16QAM	1	0	17.06	17.14	17.25	17.7
5	16QAM	1	12	17.05	16.86	17.00	
5	16QAM	1	24	17.01	17.00	16.81	
5	16QAM	12	0	17.21	17.21	17.08	17.7
5	16QAM	12	7	17.26	17.22	17.21	
5	16QAM	12	13	17.11	17.28	17.17	
5	16QAM	25	0	17.18	17.32	17.10	
5	64QAM	1	0	17.03	16.95	16.86	17.7
5	64QAM	1	12	17.07	16.96	17.07	
5	64QAM	1	24	16.96	17.07	16.75	
5	64QAM	12	0	17.15	17.07	17.23	17.7
5	64QAM	12	7	17.23	17.23	17.11	
5	64QAM	12	13	17.31	17.21	17.02	
5	64QAM	25	0	17.30	17.31	17.24	
5	256QAM	1	0	17.03	17.13	17.11	17.7
5	256QAM	1	12	16.81	16.79	16.98	
5	256QAM	1	24	16.90	17.12	16.86	
5	256QAM	12	0	17.10	17.08	17.16	17.7
5	256QAM	12	7	16.97	17.08	16.97	
5	256QAM	12	13	16.78	17.01	16.94	
5	256QAM	25	0	16.95	17.26	16.88	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	17.04	17.16	17.18	17.7
3	QPSK	1	8	16.80	16.87	17.04	
3	QPSK	1	14	17.14	17.03	17.14	
3	QPSK	8	0	17.21	17.27	17.11	17.7
3	QPSK	8	4	17.24	17.19	17.13	
3	QPSK	8	7	17.12	17.21	17.15	
3	QPSK	15	0	17.24	17.22	17.11	
3	16QAM	1	0	16.99	17.04	17.11	17.7
3	16QAM	1	8	17.02	17.02	17.02	
3	16QAM	1	14	17.03	16.91	16.79	
3	16QAM	8	0	17.03	17.12	17.07	17.7
3	16QAM	8	4	17.13	17.29	17.08	
3	16QAM	8	7	17.12	17.28	17.09	
3	16QAM	15	0	17.15	17.16	17.24	
3	64QAM	1	0	16.89	16.99	16.79	17.7
3	64QAM	1	8	17.20	17.06	17.05	
3	64QAM	1	14	16.98	16.97	16.81	
3	64QAM	8	0	17.27	17.18	17.14	17.7
3	64QAM	8	4	17.16	17.05	17.08	
3	64QAM	8	7	17.24	17.32	17.16	
3	64QAM	15	0	17.11	17.31	17.22	
3	256QAM	1	0	17.15	17.24	17.24	17.7
3	256QAM	1	8	16.79	16.86	16.98	
3	256QAM	1	14	16.95	17.08	16.93	
3	256QAM	8	0	17.08	17.27	17.03	17.7
3	256QAM	8	4	16.89	17.17	16.98	
3	256QAM	8	7	16.90	17.15	16.95	
3	256QAM	15	0	17.01	17.24	16.90	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	17.24	17.34	17.30	17.7
1.4	QPSK	1	3	16.80	16.81	16.92	
1.4	QPSK	1	5	17.08	17.21	17.01	
1.4	QPSK	3	0	17.06	17.15	17.16	
1.4	QPSK	3	1	17.10	17.07	17.17	
1.4	QPSK	3	3	17.04	17.09	16.98	
1.4	QPSK	6	0	17.12	17.11	17.09	
1.4	16QAM	1	0	17.14	17.00	17.18	17.7
1.4	16QAM	1	3	17.02	16.88	16.95	
1.4	16QAM	1	5	17.05	16.96	16.73	
1.4	16QAM	3	0	17.09	17.23	17.16	
1.4	16QAM	3	1	17.13	17.26	17.02	
1.4	16QAM	3	3	17.09	17.27	17.14	
1.4	16QAM	6	0	17.14	17.30	17.21	17.7
1.4	64QAM	1	0	16.90	17.04	16.81	17.7
1.4	64QAM	1	3	17.09	16.91	16.92	
1.4	64QAM	1	5	16.98	16.89	16.79	
1.4	64QAM	3	0	17.24	17.10	17.05	
1.4	64QAM	3	1	17.18	17.09	17.11	
1.4	64QAM	3	3	17.26	17.12	16.99	
1.4	64QAM	6	0	17.12	17.12	17.21	17.7
1.4	256QAM	1	0	17.05	17.13	17.20	17.7
1.4	256QAM	1	3	16.83	16.69	16.96	
1.4	256QAM	1	5	16.96	17.09	16.81	
1.4	256QAM	3	0	17.20	17.27	16.99	
1.4	256QAM	3	1	17.01	17.05	16.88	
1.4	256QAM	3	3	16.76	17.12	16.96	
1.4	256QAM	6	0	16.89	17.07	16.79	17.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.14	21.18	21.12	
20	QPSK	1	49	21.04	20.85	20.80	21.3
20	QPSK	1	99	20.98	21.11	20.93	
20	QPSK	50	0	21.13	21.14	20.97	
20	QPSK	50	24	21.10	21.08	20.91	21.3
20	QPSK	50	50	21.10	21.00	20.85	
20	QPSK	100	0	21.13	21.14	21.07	
20	16QAM	1	0	21.04	21.04	21.06	21.3
20	16QAM	1	49	21.03	21.05	21.01	
20	16QAM	1	99	21.16	21.08	21.05	
20	16QAM	50	0	21.17	21.14	21.03	21.3
20	16QAM	50	24	21.15	21.12	21.04	
20	16QAM	50	50	21.10	20.86	20.97	
20	16QAM	100	0	21.15	21.15	21.03	21.3
20	64QAM	1	0	21.04	21.00	21.15	
20	64QAM	1	49	20.85	21.09	21.03	
20	64QAM	1	99	20.90	21.05	21.16	21.3
20	64QAM	50	0	20.69	20.74	20.65	
20	64QAM	50	24	20.70	20.63	20.62	
20	64QAM	50	50	20.63	20.70	20.54	20
20	64QAM	100	0	20.64	20.74	20.59	
20	256QAM	1	0	18.96	18.89	18.79	
20	256QAM	1	49	18.33	18.32	18.15	20
20	256QAM	1	99	18.84	18.85	18.70	
20	256QAM	50	0	18.48	18.69	18.45	
20	256QAM	50	24	18.57	18.55	18.51	20
20	256QAM	50	50	18.63	18.72	18.48	
20	256QAM	100	0	18.75	18.63	18.46	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	21.06	21.07	20.93	
15	QPSK	1	37	21.04	20.67	20.71	21.3
15	QPSK	1	74	20.88	20.96	20.80	
15	QPSK	36	0	21.11	21.08	20.83	21.3
15	QPSK	36	20	21.00	21.02	20.71	
15	QPSK	36	39	20.97	20.81	20.75	
15	QPSK	75	0	21.00	21.11	20.94	21.3
15	16QAM	1	0	20.88	21.04	21.02	
15	16QAM	1	37	20.96	20.88	20.86	
15	16QAM	1	74	20.99	21.02	21.02	21.3
15	16QAM	36	0	21.06	21.04	20.90	
15	16QAM	36	20	20.97	21.09	20.91	
15	16QAM	36	39	20.90	20.72	20.97	21.3
15	16QAM	75	0	21.09	21.09	20.96	
15	64QAM	1	0	20.95	20.84	21.02	
15	64QAM	1	37	20.76	21.00	20.89	21.3
15	64QAM	1	74	20.90	20.86	21.04	
15	64QAM	36	0	20.60	20.66	20.64	
15	64QAM	36	20	20.70	20.62	20.62	21.3
15	64QAM	36	39	20.54	20.59	20.49	
15	64QAM	75	0	20.48	20.54	20.46	
15	256QAM	1	0	18.95	18.85	18.69	20
15	256QAM	1	37	18.30	18.13	18.08	
15	256QAM	1	74	18.64	18.76	18.68	
15	256QAM	36	0	18.39	18.65	18.35	20
15	256QAM	36	20	18.37	18.50	18.39	



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15	256QAM	36	39	18.57	18.64	18.37	Tune-up limit (dBm)
15	256QAM	75	0	18.75	18.63	18.38	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	20.97	21.14	21.02	21.3
10	QPSK	1	25	20.88	20.85	20.66	
10	QPSK	1	49	20.91	21.10	20.83	
10	QPSK	25	0	21.08	21.07	20.82	21.3
10	QPSK	25	12	21.08	20.89	20.86	
10	QPSK	25	25	21.08	20.97	20.85	
10	QPSK	50	0	20.98	21.01	20.93	
10	16QAM	1	0	21.02	20.94	20.99	21.3
10	16QAM	1	25	20.89	20.96	20.97	
10	16QAM	1	49	21.10	20.96	20.95	
10	16QAM	25	0	21.06	20.94	20.93	21.3
10	16QAM	25	12	21.10	21.07	20.88	
10	16QAM	25	25	21.10	20.66	20.95	
10	16QAM	50	0	21.06	21.01	20.94	
10	64QAM	1	0	20.93	20.90	20.96	21.3
10	64QAM	1	25	20.80	21.01	20.98	
10	64QAM	1	49	20.84	21.00	21.12	
10	64QAM	25	0	20.57	20.70	20.60	21.3
10	64QAM	25	12	20.55	20.55	20.44	
10	64QAM	25	25	20.43	20.61	20.52	
10	64QAM	50	0	20.63	20.62	20.54	
10	256QAM	1	0	18.90	18.89	18.62	20
10	256QAM	1	25	18.27	18.18	18.08	
10	256QAM	1	49	18.64	18.71	18.59	
10	256QAM	25	0	18.35	18.56	18.45	20
10	256QAM	25	12	18.57	18.47	18.48	
10	256QAM	25	25	18.57	18.65	18.38	
10	256QAM	50	0	18.57	18.55	18.30	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	21.14	21.17	20.95	21.3
5	QPSK	1	12	21.03	20.77	20.61	
5	QPSK	1	24	20.96	20.95	20.77	
5	QPSK	12	0	21.02	20.95	20.83	21.3
5	QPSK	12	7	21.05	21.02	20.78	
5	QPSK	12	13	21.04	20.87	20.71	
5	QPSK	25	0	21.12	21.06	21.05	
5	16QAM	1	0	20.95	20.84	20.90	21.3
5	16QAM	1	12	20.94	21.01	20.90	
5	16QAM	1	24	21.10	20.99	20.92	
5	16QAM	12	0	21.15	20.94	20.85	21.3
5	16QAM	12	7	21.15	21.02	20.87	
5	16QAM	12	13	21.09	20.73	20.92	
5	16QAM	25	0	21.14	20.99	20.90	
5	64QAM	1	0	20.95	20.86	21.00	21.3
5	64QAM	1	12	20.68	21.08	20.85	
5	64QAM	1	24	20.78	21.04	20.98	
5	64QAM	12	0	20.64	20.56	20.56	21.3
5	64QAM	12	7	20.65	20.51	20.46	
5	64QAM	12	13	20.48	20.51	20.45	
5	64QAM	25	0	20.58	20.57	20.39	
5	256QAM	1	0	18.92	18.70	18.71	20
5	256QAM	1	12	18.26	18.13	18.00	
5	256QAM	1	24	18.78	18.72	18.51	
5	256QAM	12	0	18.39	18.69	18.34	20
5	256QAM	12	7	18.39	18.45	18.48	
5	256QAM	12	13	18.45	18.56	18.28	
5	256QAM	25	0	18.56	18.58	18.43	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	21.05	21.04	20.99	21.3
3	QPSK	1	8	20.87	20.67	20.70	
3	QPSK	1	14	20.90	21.04	20.85	
3	QPSK	8	0	20.94	20.95	20.80	21.3
3	QPSK	8	4	21.08	20.97	20.85	
3	QPSK	8	7	21.02	20.92	20.70	
3	QPSK	15	0	20.93	20.97	20.95	
3	16QAM	1	0	20.87	20.91	20.93	21.3
3	16QAM	1	8	20.83	20.90	20.88	
3	16QAM	1	14	21.06	20.97	21.03	
3	16QAM	8	0	21.02	21.06	20.88	21.3
3	16QAM	8	4	21.05	20.98	21.00	
3	16QAM	8	7	20.99	20.79	20.80	
3	16QAM	15	0	21.15	21.01	20.87	
3	64QAM	1	0	20.94	20.88	21.00	21.3
3	64QAM	1	8	20.76	20.89	20.86	
3	64QAM	1	14	20.71	20.93	21.15	
3	64QAM	8	0	20.49	20.74	20.53	21.3
3	64QAM	8	4	20.65	20.49	20.53	
3	64QAM	8	7	20.62	20.68	20.53	
3	64QAM	15	0	20.53	20.69	20.44	
3	256QAM	1	0	18.96	18.70	18.62	20
3	256QAM	1	8	18.23	18.30	18.08	
3	256QAM	1	14	18.73	18.81	18.61	
3	256QAM	8	0	18.34	18.68	18.44	20
3	256QAM	8	4	18.42	18.53	18.32	
3	256QAM	8	7	18.50	18.53	18.28	
3	256QAM	15	0	18.71	18.51	18.41	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	21.05	20.98	21.10	21.3
1.4	QPSK	1	3	20.88	20.67	20.79	
1.4	QPSK	1	5	20.83	20.94	20.87	
1.4	QPSK	3	0	21.00	21.07	20.85	
1.4	QPSK	3	1	21.04	21.03	20.78	
1.4	QPSK	3	3	21.10	20.88	20.65	
1.4	QPSK	6	0	20.98	20.98	21.01	21.3
1.4	16QAM	1	0	21.00	21.00	21.02	21.3
1.4	16QAM	1	3	20.83	20.85	20.81	
1.4	16QAM	1	5	21.08	20.96	21.05	
1.4	16QAM	3	0	21.11	21.10	20.89	
1.4	16QAM	3	1	20.95	21.04	20.97	
1.4	16QAM	3	3	21.10	20.76	20.96	21.3
1.4	16QAM	6	0	21.13	21.13	20.92	21.3
1.4	64QAM	1	0	20.84	20.99	21.12	21.3
1.4	64QAM	1	3	20.65	20.97	20.93	
1.4	64QAM	1	5	20.73	21.01	21.01	
1.4	64QAM	3	0	20.58	20.64	20.51	
1.4	64QAM	3	1	20.69	20.61	20.53	
1.4	64QAM	3	3	20.62	20.70	20.48	21.3
1.4	64QAM	6	0	20.56	20.74	20.52	21.3
1.4	256QAM	1	0	18.95	18.89	18.74	20
1.4	256QAM	1	3	18.18	18.19	18.05	
1.4	256QAM	1	5	18.69	18.72	18.67	
1.4	256QAM	3	0	18.33	18.67	18.39	
1.4	256QAM	3	1	18.43	18.43	18.48	
1.4	256QAM	3	3	18.59	18.56	18.38	20
1.4	256QAM	6	0	18.73	18.56	18.38	20



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.60	19.64	19.58	
20	QPSK	1	49	19.29	19.58	19.21	19.9
20	QPSK	1	99	19.50	19.51	19.42	
20	QPSK	50	0	19.57	19.55	19.42	
20	QPSK	50	24	19.50	19.51	19.37	19.9
20	QPSK	50	50	19.49	19.53	19.37	
20	QPSK	100	0	19.53	19.53	19.32	
20	16QAM	1	0	19.51	19.54	19.48	19.9
20	16QAM	1	49	19.46	19.42	19.50	
20	16QAM	1	99	19.54	19.37	19.41	
20	16QAM	50	0	19.52	19.59	19.43	19.9
20	16QAM	50	24	19.54	19.63	19.40	
20	16QAM	50	50	19.46	19.54	19.37	
20	16QAM	100	0	19.42	19.61	19.45	19.9
20	64QAM	1	0	19.45	19.53	19.55	
20	64QAM	1	49	19.62	19.41	19.55	
20	64QAM	1	99	19.63	19.53	19.51	19.9
20	64QAM	50	0	19.60	19.59	19.46	
20	64QAM	50	24	19.53	19.59	19.48	
20	64QAM	50	50	19.49	19.48	19.40	19.9
20	64QAM	100	0	19.55	19.42	19.43	
20	256QAM	1	0	19.40	19.34	19.29	
20	256QAM	1	49	18.92	19.03	19.00	19.9
20	256QAM	1	99	19.14	19.15	19.10	
20	256QAM	50	0	18.92	19.17	19.08	
20	256QAM	50	24	19.14	19.13	19.18	19.9
20	256QAM	50	50	19.11	19.23	19.00	
20	256QAM	100	0	19.05	19.09	19.09	
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.59	19.52	19.50	
15	QPSK	1	37	19.24	19.57	19.08	19.9
15	QPSK	1	74	19.39	19.36	19.42	
15	QPSK	36	0	19.48	19.45	19.23	
15	QPSK	36	20	19.47	19.40	19.29	19.9
15	QPSK	36	39	19.40	19.45	19.17	
15	QPSK	75	0	19.48	19.45	19.26	
15	16QAM	1	0	19.50	19.50	19.42	19.9
15	16QAM	1	37	19.38	19.28	19.36	
15	16QAM	1	74	19.41	19.23	19.30	
15	16QAM	36	0	19.42	19.50	19.24	19.9
15	16QAM	36	20	19.34	19.63	19.35	
15	16QAM	36	39	19.26	19.41	19.34	
15	16QAM	75	0	19.22	19.56	19.34	19.9
15	64QAM	1	0	19.38	19.46	19.39	
15	64QAM	1	37	19.49	19.36	19.45	
15	64QAM	1	74	19.58	19.35	19.43	19.9
15	64QAM	36	0	19.49	19.59	19.36	
15	64QAM	36	20	19.52	19.50	19.45	
15	64QAM	36	39	19.34	19.39	19.21	19.9
15	64QAM	75	0	19.36	19.38	19.30	
15	256QAM	1	0	19.24	19.30	19.21	
15	256QAM	1	37	18.88	18.99	18.94	19.9
15	256QAM	1	74	19.00	19.10	19.03	
15	256QAM	36	0	18.88	18.99	18.92	
15	256QAM	36	20	18.97	18.99	19.00	19.9



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15	256QAM	36	39	19.04	19.23	18.89	
15	256QAM	75	0	18.92	19.09	19.00	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.59	19.61	19.52	19.9
10	QPSK	1	25	19.28	19.58	19.14	
10	QPSK	1	49	19.31	19.47	19.31	
10	QPSK	25	0	19.41	19.43	19.34	19.9
10	QPSK	25	12	19.36	19.41	19.28	
10	QPSK	25	25	19.37	19.43	19.29	
10	QPSK	50	0	19.48	19.44	19.20	
10	16QAM	1	0	19.43	19.35	19.33	19.9
10	16QAM	1	25	19.41	19.23	19.30	
10	16QAM	1	49	19.45	19.21	19.37	
10	16QAM	25	0	19.33	19.52	19.24	19.9
10	16QAM	25	12	19.39	19.49	19.37	
10	16QAM	25	25	19.43	19.48	19.27	
10	16QAM	50	0	19.36	19.54	19.26	
10	64QAM	1	0	19.38	19.34	19.54	19.9
10	64QAM	1	25	19.59	19.32	19.43	
10	64QAM	1	49	19.49	19.50	19.36	
10	64QAM	25	0	19.55	19.45	19.28	19.9
10	64QAM	25	12	19.48	19.55	19.33	
10	64QAM	25	25	19.38	19.46	19.30	
10	64QAM	50	0	19.39	19.24	19.28	
10	256QAM	1	0	19.38	19.20	19.17	19.9
10	256QAM	1	25	18.85	18.96	18.82	
10	256QAM	1	49	18.98	19.10	18.98	
10	256QAM	25	0	18.89	19.01	19.06	19.9
10	256QAM	25	12	19.02	18.96	19.14	
10	256QAM	25	25	19.00	19.14	18.93	
10	256QAM	50	0	19.03	19.00	18.95	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	19.49	19.53	19.49	19.9
5	QPSK	1	12	19.25	19.39	19.07	
5	QPSK	1	24	19.37	19.49	19.29	
5	QPSK	12	0	19.38	19.49	19.23	19.9
5	QPSK	12	7	19.34	19.36	19.17	
5	QPSK	12	13	19.37	19.35	19.31	
5	QPSK	25	0	19.35	19.52	19.18	
5	16QAM	1	0	19.38	19.36	19.41	19.9
5	16QAM	1	12	19.44	19.41	19.34	
5	16QAM	1	24	19.42	19.34	19.38	
5	16QAM	12	0	19.42	19.44	19.31	19.9
5	16QAM	12	7	19.52	19.46	19.36	
5	16QAM	12	13	19.31	19.39	19.29	
5	16QAM	25	0	19.40	19.47	19.43	
5	64QAM	1	0	19.45	19.39	19.55	19.9
5	64QAM	1	12	19.62	19.30	19.47	
5	64QAM	1	24	19.61	19.49	19.38	
5	64QAM	12	0	19.51	19.47	19.37	19.9
5	64QAM	12	7	19.46	19.45	19.40	
5	64QAM	12	13	19.49	19.30	19.35	
5	64QAM	25	0	19.40	19.30	19.40	
5	256QAM	1	0	19.22	19.14	19.26	19.9
5	256QAM	1	12	18.86	19.02	18.93	
5	256QAM	1	24	18.99	19.08	18.94	
5	256QAM	12	0	18.75	18.97	19.06	19.9
5	256QAM	12	7	19.09	19.03	19.06	
5	256QAM	12	13	18.91	19.23	18.95	
5	256QAM	25	0	18.95	18.91	19.00	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.59	19.57	19.50	19.9
3	QPSK	1	8	19.25	19.40	19.06	
3	QPSK	1	14	19.38	19.42	19.38	
3	QPSK	8	0	19.43	19.55	19.27	19.9
3	QPSK	8	4	19.47	19.50	19.22	
3	QPSK	8	7	19.49	19.33	19.36	
3	QPSK	15	0	19.40	19.35	19.14	
3	16QAM	1	0	19.37	19.35	19.31	19.9
3	16QAM	1	8	19.32	19.35	19.30	
3	16QAM	1	14	19.43	19.17	19.24	
3	16QAM	8	0	19.51	19.42	19.28	19.9
3	16QAM	8	4	19.49	19.58	19.35	
3	16QAM	8	7	19.45	19.35	19.18	
3	16QAM	15	0	19.30	19.41	19.43	
3	64QAM	1	0	19.39	19.53	19.38	19.9
3	64QAM	1	8	19.46	19.33	19.42	
3	64QAM	1	14	19.58	19.38	19.39	
3	64QAM	8	0	19.60	19.41	19.36	19.9
3	64QAM	8	4	19.38	19.59	19.29	
3	64QAM	8	7	19.35	19.32	19.22	
3	64QAM	15	0	19.38	19.22	19.36	
3	256QAM	1	0	19.30	19.29	19.23	19.9
3	256QAM	1	8	18.79	19.01	18.99	
3	256QAM	1	14	19.00	18.95	19.00	
3	256QAM	8	0	18.89	19.15	18.98	19.9
3	256QAM	8	4	19.11	19.08	19.01	
3	256QAM	8	7	19.08	19.14	18.82	
3	256QAM	15	0	18.98	18.92	19.08	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.40	19.50	19.47	19.9
1.4	QPSK	1	3	19.28	19.48	19.12	
1.4	QPSK	1	5	19.31	19.50	19.32	
1.4	QPSK	3	0	19.53	19.50	19.22	
1.4	QPSK	3	1	19.45	19.46	19.33	
1.4	QPSK	3	3	19.37	19.48	19.37	
1.4	QPSK	6	0	19.47	19.34	19.12	19.9
1.4	16QAM	1	0	19.44	19.53	19.46	19.9
1.4	16QAM	1	3	19.35	19.42	19.46	
1.4	16QAM	1	5	19.41	19.25	19.27	
1.4	16QAM	3	0	19.33	19.56	19.23	
1.4	16QAM	3	1	19.40	19.56	19.39	
1.4	16QAM	3	3	19.39	19.53	19.36	19.9
1.4	16QAM	6	0	19.23	19.53	19.35	
1.4	64QAM	1	0	19.40	19.47	19.39	19.9
1.4	64QAM	1	3	19.60	19.21	19.50	
1.4	64QAM	1	5	19.50	19.37	19.32	
1.4	64QAM	3	0	19.40	19.47	19.26	
1.4	64QAM	3	1	19.49	19.50	19.40	
1.4	64QAM	3	3	19.37	19.30	19.37	19.9
1.4	64QAM	6	0	19.49	19.33	19.40	
1.4	256QAM	1	0	19.38	19.22	19.23	19.9
1.4	256QAM	1	3	18.74	19.03	18.93	
1.4	256QAM	1	5	19.10	19.07	19.05	
1.4	256QAM	3	0	18.85	19.15	18.92	
1.4	256QAM	3	1	19.04	18.93	19.05	
1.4	256QAM	3	3	18.98	19.17	18.95	19.9
1.4	256QAM	6	0	19.03	19.06	19.06	



<LTE Band 25_Ant 5_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.90	23.85	23.83	
20	QPSK	1	49	23.87	23.84	23.55	23.9
20	QPSK	1	99	23.77	23.79	23.71	
20	QPSK	50	0	22.78	22.85	22.67	
20	QPSK	50	24	22.84	22.91	22.66	23.9
20	QPSK	50	50	22.87	22.84	22.74	
20	QPSK	100	0	22.79	22.70	22.76	
20	16QAM	1	0	23.08	23.18	23.06	23.9
20	16QAM	1	49	23.05	23.18	23.06	
20	16QAM	1	99	23.08	23.15	22.99	
20	16QAM	50	0	21.89	21.87	21.77	23
20	16QAM	50	24	21.79	21.83	21.76	
20	16QAM	50	50	21.84	21.80	21.68	
20	16QAM	100	0	21.70	21.89	21.69	23
20	64QAM	1	0	22.26	22.09	22.04	
20	64QAM	1	49	22.16	22.14	21.91	
20	64QAM	1	99	22.01	22.04	21.90	22
20	64QAM	50	0	20.81	20.84	20.74	
20	64QAM	50	24	20.80	20.79	20.66	
20	64QAM	50	50	20.75	20.80	20.71	20
20	64QAM	100	0	20.77	20.79	20.68	
20	256QAM	1	0	18.79	18.97	18.89	
20	256QAM	1	49	18.28	18.52	18.34	20
20	256QAM	1	99	18.56	18.79	18.61	
20	256QAM	50	0	18.56	18.76	18.65	20
20	256QAM	50	24	18.43	18.70	18.52	
20	256QAM	50	50	18.50	18.68	18.54	
20	256QAM	100	0	18.40	18.68	18.59	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.88	23.67	23.83	
15	QPSK	1	37	23.86	23.77	23.52	23.9
15	QPSK	1	74	23.69	23.63	23.67	
15	QPSK	36	0	22.74	22.81	22.58	23.9
15	QPSK	36	20	22.77	22.79	22.66	
15	QPSK	36	39	22.73	22.74	22.60	
15	QPSK	75	0	22.66	22.51	22.64	23.9
15	16QAM	1	0	23.05	22.98	23.01	
15	16QAM	1	37	22.98	23.06	22.99	
15	16QAM	1	74	22.91	23.02	22.81	23
15	16QAM	36	0	21.73	21.87	21.57	
15	16QAM	36	20	21.64	21.64	21.66	
15	16QAM	36	39	21.72	21.60	21.57	23
15	16QAM	75	0	21.64	21.69	21.60	
15	64QAM	1	0	22.09	21.95	21.94	
15	64QAM	1	37	22.10	22.02	21.81	23
15	64QAM	1	74	21.88	22.04	21.71	
15	64QAM	36	0	20.71	20.83	20.72	
15	64QAM	36	20	20.66	20.73	20.60	22
15	64QAM	36	39	20.64	20.69	20.66	
15	64QAM	75	0	20.77	20.72	20.58	
15	256QAM	1	0	18.67	18.83	18.70	20
15	256QAM	1	37	18.24	18.43	18.25	
15	256QAM	1	74	18.55	18.71	18.45	
15	256QAM	36	0	18.50	18.59	18.53	20
15	256QAM	36	20	18.25	18.54	18.41	



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15	256QAM	36	39	18.33	18.49	18.36	Tune-up limit (dBm)
15	256QAM	75	0	18.21	18.68	18.49	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.83	23.79	23.69	23.9
10	QPSK	1	25	23.79	23.75	23.52	
10	QPSK	1	49	23.61	23.62	23.60	
10	QPSK	25	0	22.71	22.73	22.64	23.9
10	QPSK	25	12	22.76	22.77	22.56	
10	QPSK	25	25	22.81	22.73	22.70	
10	QPSK	50	0	22.61	22.56	22.61	
10	16QAM	1	0	22.95	23.03	22.99	23.9
10	16QAM	1	25	22.88	23.12	22.88	
10	16QAM	1	49	22.96	23.09	22.95	
10	16QAM	25	0	21.82	21.82	21.60	23
10	16QAM	25	12	21.74	21.63	21.66	
10	16QAM	25	25	21.65	21.63	21.48	
10	16QAM	50	0	21.55	21.78	21.63	
10	64QAM	1	0	22.08	21.97	22.01	23
10	64QAM	1	25	22.04	22.14	21.77	
10	64QAM	1	49	21.85	21.90	21.89	
10	64QAM	25	0	20.73	20.76	20.62	22
10	64QAM	25	12	20.65	20.73	20.62	
10	64QAM	25	25	20.67	20.74	20.51	
10	64QAM	50	0	20.62	20.67	20.49	
10	256QAM	1	0	18.62	18.89	18.89	20
10	256QAM	1	25	18.17	18.36	18.29	
10	256QAM	1	49	18.40	18.77	18.60	
10	256QAM	25	0	18.48	18.68	18.49	20
10	256QAM	25	12	18.36	18.53	18.49	
10	256QAM	25	25	18.33	18.58	18.35	
10	256QAM	50	0	18.24	18.59	18.58	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.86	23.78	23.79	23.9
5	QPSK	1	12	23.72	23.67	23.40	
5	QPSK	1	24	23.57	23.75	23.61	
5	QPSK	12	0	22.58	22.78	22.67	23.9
5	QPSK	12	7	22.69	22.77	22.50	
5	QPSK	12	13	22.81	22.71	22.62	
5	QPSK	25	0	22.60	22.54	22.75	
5	16QAM	1	0	23.06	23.01	22.96	23.9
5	16QAM	1	12	22.92	23.16	22.87	
5	16QAM	1	24	22.95	23.15	22.88	
5	16QAM	12	0	21.72	21.68	21.73	23
5	16QAM	12	7	21.77	21.73	21.72	
5	16QAM	12	13	21.68	21.66	21.58	
5	16QAM	25	0	21.69	21.71	21.55	
5	64QAM	1	0	22.19	22.01	21.90	23
5	64QAM	1	12	22.10	22.02	21.88	
5	64QAM	1	24	21.97	21.95	21.73	
5	64QAM	12	0	20.81	20.66	20.60	22
5	64QAM	12	7	20.69	20.59	20.66	
5	64QAM	12	13	20.69	20.69	20.51	
5	64QAM	25	0	20.70	20.64	20.66	
5	256QAM	1	0	18.69	18.88	18.77	20
5	256QAM	1	12	18.18	18.38	18.22	
5	256QAM	1	24	18.53	18.76	18.45	
5	256QAM	12	0	18.48	18.68	18.55	20
5	256QAM	12	7	18.37	18.58	18.40	
5	256QAM	12	13	18.35	18.56	18.45	
5	256QAM	25	0	18.24	18.55	18.42	
Channel				26055	26340	26675	Tune-up limit



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Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.84	23.68	23.68	23.9
3	QPSK	1	8	23.74	23.77	23.48	
3	QPSK	1	14	23.59	23.68	23.51	
3	QPSK	8	0	22.61	22.66	22.59	23.9
3	QPSK	8	4	22.67	22.77	22.58	
3	QPSK	8	7	22.70	22.81	22.67	
3	QPSK	15	0	22.65	22.68	22.68	
3	16QAM	1	0	23.08	22.98	23.02	23.9
3	16QAM	1	8	22.92	23.07	22.94	
3	16QAM	1	14	23.00	23.07	22.93	
3	16QAM	8	0	21.81	21.73	21.64	23
3	16QAM	8	4	21.60	21.71	21.56	
3	16QAM	8	7	21.72	21.77	21.58	
3	16QAM	15	0	21.60	21.73	21.50	
3	64QAM	1	0	22.18	21.98	22.00	23
3	64QAM	1	8	22.04	21.98	21.71	
3	64QAM	1	14	22.01	21.93	21.83	
3	64QAM	8	0	20.64	20.74	20.71	22
3	64QAM	8	4	20.70	20.78	20.56	
3	64QAM	8	7	20.73	20.76	20.62	
3	64QAM	15	0	20.60	20.62	20.63	
3	256QAM	1	0	18.75	18.93	18.72	20
3	256QAM	1	8	18.17	18.44	18.14	
3	256QAM	1	14	18.40	18.69	18.56	
3	256QAM	8	0	18.45	18.65	18.60	20
3	256QAM	8	4	18.36	18.67	18.44	
3	256QAM	8	7	18.47	18.61	18.37	
3	256QAM	15	0	18.36	18.52	18.57	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.81	23.76	23.82	23.9
1.4	QPSK	1	3	23.81	23.72	23.46	
1.4	QPSK	1	5	23.67	23.63	23.65	
1.4	QPSK	3	0	23.80	23.78	23.80	
1.4	QPSK	3	1	23.72	23.72	23.37	
1.4	QPSK	3	3	23.60	23.75	23.65	
1.4	QPSK	6	0	22.58	22.85	22.55	23.9
1.4	16QAM	1	0	22.79	22.76	22.59	23.9
1.4	16QAM	1	3	22.80	22.73	22.72	
1.4	16QAM	1	5	22.70	22.61	22.61	
1.4	16QAM	3	0	23.06	23.17	22.97	
1.4	16QAM	3	1	22.86	23.15	23.04	
1.4	16QAM	3	3	22.89	23.04	22.79	
1.4	16QAM	6	0	21.81	21.85	21.65	23
1.4	64QAM	1	0	21.62	21.63	21.61	23
1.4	64QAM	1	3	21.76	21.71	21.49	
1.4	64QAM	1	5	21.52	21.84	21.52	
1.4	64QAM	3	0	22.24	22.02	21.91	
1.4	64QAM	3	1	22.00	22.08	21.77	
1.4	64QAM	3	3	21.89	21.93	21.70	
1.4	64QAM	6	0	20.80	20.78	20.54	22
1.4	256QAM	1	0	18.73	18.96	18.71	20
1.4	256QAM	1	3	18.21	18.39	18.20	
1.4	256QAM	1	5	18.41	18.65	18.50	
1.4	256QAM	3	0	18.37	18.58	18.65	
1.4	256QAM	3	1	18.27	18.56	18.37	
1.4	256QAM	3	3	18.46	18.55	18.47	
1.4	256QAM	6	0	18.32	18.56	18.51	20



<LTE Band 26_Ant 0_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.57	24.49	25.3
15	QPSK	1	37	24.36	24.29	24.34	
15	QPSK	1	74	24.47	24.37	24.31	
15	QPSK	36	0	23.56	23.52	23.50	24.3
15	QPSK	36	20	23.50	23.42	23.44	
15	QPSK	36	39	23.48	23.45	23.40	
15	QPSK	75	0	23.51	23.53	23.47	
15	16QAM	1	0	23.71	23.81	23.85	24.3
15	16QAM	1	37	23.78	23.80	23.73	
15	16QAM	1	74	23.68	23.66	23.54	
15	16QAM	36	0	22.49	22.50	22.47	23.3
15	16QAM	36	20	22.44	22.41	22.44	
15	16QAM	36	39	22.46	22.37	22.38	
15	16QAM	75	0	22.48	22.43	22.46	
15	64QAM	1	0	22.56	22.58	22.65	23.3
15	64QAM	1	37	22.68	22.49	22.56	
15	64QAM	1	74	22.58	22.57	22.43	
15	64QAM	36	0	21.47	21.46	21.44	22.3
15	64QAM	36	20	21.47	21.41	21.42	
15	64QAM	36	39	21.44	21.39	21.39	
15	64QAM	75	0	21.42	21.40	21.38	
15	256QAM	1	0	19.44	19.50	19.38	20.3
15	256QAM	1	37	19.28	19.44	19.22	
15	256QAM	1	74	19.29	19.38	19.23	
15	256QAM	36	0	19.20	19.36	19.20	20.3
15	256QAM	36	20	19.16	19.28	19.09	
15	256QAM	36	39	19.20	19.31	19.13	
15	256QAM	75	0	19.26	19.34	19.16	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.38	24.47	24.29	25.3
10	QPSK	1	25	24.18	24.16	24.29	
10	QPSK	1	49	24.27	24.32	24.23	
10	QPSK	25	0	23.52	23.50	23.49	24.3
10	QPSK	25	12	23.30	23.27	23.36	
10	QPSK	25	25	23.48	23.45	23.32	
10	QPSK	50	0	23.34	23.47	23.27	
10	16QAM	1	0	23.52	23.81	23.75	24.3
10	16QAM	1	25	23.62	23.77	23.56	
10	16QAM	1	49	23.61	23.51	23.46	
10	16QAM	25	0	22.36	22.44	22.40	23.3
10	16QAM	25	12	22.44	22.40	22.39	
10	16QAM	25	25	22.27	22.36	22.30	
10	16QAM	50	0	22.38	22.30	22.34	
10	64QAM	1	0	22.56	22.47	22.65	23.3
10	64QAM	1	25	22.63	22.33	22.47	
10	64QAM	1	49	22.57	22.42	22.31	
10	64QAM	25	0	21.27	21.26	21.37	22.3
10	64QAM	25	12	21.31	21.24	21.28	
10	64QAM	25	25	21.31	21.34	21.21	
10	64QAM	50	0	21.24	21.29	21.29	
10	256QAM	1	0	19.30	19.41	19.32	20.3
10	256QAM	1	25	19.08	19.36	19.06	
10	256QAM	1	49	19.22	19.20	19.18	
10	256QAM	25	0	19.00	19.24	19.04	20.3
10	256QAM	25	12	19.02	19.23	19.04	



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10	256QAM	25	25	19.02	19.26	19.04	Tune-up limit (dBm)
10	256QAM	50	0	19.10	19.16	19.10	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.37	24.45	24.41	25.3
5	QPSK	1	12	24.29	24.20	24.27	
5	QPSK	1	24	24.46	24.24	24.15	
5	QPSK	12	0	23.45	23.40	23.46	24.3
5	QPSK	12	7	23.49	23.38	23.38	
5	QPSK	12	13	23.29	23.35	23.21	
5	QPSK	25	0	23.35	23.36	23.47	
5	16QAM	1	0	23.62	23.64	23.70	24.3
5	16QAM	1	12	23.72	23.66	23.59	
5	16QAM	1	24	23.67	23.63	23.52	
5	16QAM	12	0	22.35	22.41	22.35	23.3
5	16QAM	12	7	22.36	22.36	22.44	
5	16QAM	12	13	22.39	22.19	22.21	
5	16QAM	25	0	22.32	22.27	22.35	
5	64QAM	1	0	22.46	22.42	22.49	23.3
5	64QAM	1	12	22.58	22.32	22.37	
5	64QAM	1	24	22.41	22.42	22.35	
5	64QAM	12	0	21.28	21.31	21.24	22.3
5	64QAM	12	7	21.31	21.39	21.39	
5	64QAM	12	13	21.31	21.19	21.25	
5	64QAM	25	0	21.27	21.23	21.19	
5	256QAM	1	0	19.29	19.43	19.34	20.3
5	256QAM	1	12	19.18	19.32	19.05	
5	256QAM	1	24	19.25	19.20	19.13	
5	256QAM	12	0	19.12	19.28	19.05	20.3
5	256QAM	12	7	19.00	19.09	19.07	
5	256QAM	12	13	19.08	19.13	18.98	
5	256QAM	25	0	19.25	19.32	18.98	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.43	24.49	24.35	25.3
3	QPSK	1	8	24.23	24.17	24.30	
3	QPSK	1	14	24.27	24.18	24.14	
3	QPSK	8	0	23.56	23.39	23.47	24.3
3	QPSK	8	4	23.37	23.23	23.41	
3	QPSK	8	7	23.40	23.38	23.38	
3	QPSK	15	0	23.48	23.40	23.30	
3	16QAM	1	0	23.64	23.71	23.72	24.3
3	16QAM	1	8	23.67	23.74	23.57	
3	16QAM	1	14	23.63	23.48	23.50	
3	16QAM	8	0	22.49	22.30	22.44	23.3
3	16QAM	8	4	22.36	22.35	22.32	
3	16QAM	8	7	22.43	22.37	22.25	
3	16QAM	15	0	22.39	22.32	22.33	
3	64QAM	1	0	22.46	22.57	22.48	23.3
3	64QAM	1	8	22.52	22.37	22.39	
3	64QAM	1	14	22.40	22.42	22.36	
3	64QAM	8	0	21.40	21.38	21.32	22.3
3	64QAM	8	4	21.40	21.38	21.42	
3	64QAM	8	7	21.34	21.30	21.30	
3	64QAM	15	0	21.41	21.28	21.23	
3	256QAM	1	0	19.28	19.44	19.29	20.3
3	256QAM	1	8	19.22	19.43	19.05	
3	256QAM	1	14	19.12	19.36	19.19	
3	256QAM	8	0	19.10	19.19	19.18	20.3
3	256QAM	8	4	19.13	19.08	18.90	
3	256QAM	8	7	19.05	19.16	18.96	
3	256QAM	15	0	19.11	19.16	19.12	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.49	24.43	24.47	25.3
1.4	QPSK	1	3	24.32	24.09	24.24	
1.4	QPSK	1	5	24.41	24.27	24.21	
1.4	QPSK	3	0	24.37	24.48	24.42	
1.4	QPSK	3	1	24.34	24.13	24.21	
1.4	QPSK	3	3	24.37	24.29	24.25	
1.4	QPSK	6	0	23.39	23.49	23.44	24.3
1.4	16QAM	1	0	23.44	23.32	23.25	24.3
1.4	16QAM	1	3	23.37	23.40	23.35	
1.4	16QAM	1	5	23.34	23.33	23.35	
1.4	16QAM	3	0	23.64	23.66	23.79	
1.4	16QAM	3	1	23.65	23.65	23.69	
1.4	16QAM	3	3	23.56	23.46	23.39	
1.4	16QAM	6	0	22.30	22.37	22.34	23.3
1.4	64QAM	1	0	22.42	22.22	22.32	23.3
1.4	64QAM	1	3	22.27	22.28	22.30	
1.4	64QAM	1	5	22.41	22.29	22.46	
1.4	64QAM	3	0	22.54	22.56	22.65	
1.4	64QAM	3	1	22.54	22.38	22.46	
1.4	64QAM	3	3	22.55	22.56	22.27	
1.4	64QAM	6	0	21.32	21.31	21.44	22.3
1.4	256QAM	1	0	19.24	19.43	19.34	20.3
1.4	256QAM	1	3	19.23	19.27	19.06	
1.4	256QAM	1	5	19.14	19.38	19.06	
1.4	256QAM	3	0	19.06	19.27	19.18	
1.4	256QAM	3	1	19.11	19.25	18.93	
1.4	256QAM	3	3	19.06	19.31	19.06	
1.4	256QAM	6	0	19.13	19.17	19.08	20.3



<LTE Band 26_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	22.71	22.98	22.78	
15	QPSK	1	37	22.67	22.48	22.13	24
15	QPSK	1	74	22.59	22.62	22.28	
15	QPSK	36	0	22.54	22.66	22.35	
15	QPSK	36	20	22.53	22.40	22.34	24
15	QPSK	36	39	22.46	22.55	22.30	
15	QPSK	75	0	22.57	22.42	22.39	
15	16QAM	1	0	22.56	22.38	22.30	24
15	16QAM	1	37	22.34	22.39	22.29	
15	16QAM	1	74	22.44	22.30	22.22	
15	16QAM	36	0	22.37	22.22	22.19	24
15	16QAM	36	20	22.39	22.32	22.17	
15	16QAM	36	39	22.37	22.12	22.02	
15	16QAM	75	0	22.28	22.16	22.22	24
15	64QAM	1	0	22.44	22.72	22.58	
15	64QAM	1	37	22.18	22.46	22.51	
15	64QAM	1	74	22.36	22.49	22.21	23.3
15	64QAM	36	0	21.36	21.41	21.43	
15	64QAM	36	20	21.32	21.39	21.47	
15	64QAM	36	39	21.39	21.43	21.38	21.3
15	64QAM	75	0	21.31	21.42	21.44	
15	256QAM	1	0	19.33	19.53	19.60	
15	256QAM	1	37	19.38	19.51	19.50	21.3
15	256QAM	1	74	19.30	19.39	19.44	
15	256QAM	36	0	19.37	19.27	19.44	21.3
15	256QAM	36	20	19.35	19.26	19.24	
15	256QAM	36	39	19.39	19.27	19.25	
15	256QAM	75	0	19.38	19.19	19.24	Tune-up limit (dBm)
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	22.67	22.91	22.78	24
10	QPSK	1	25	22.57	22.46	22.10	
10	QPSK	1	49	22.55	22.60	22.25	
10	QPSK	25	0	22.44	22.57	22.33	24
10	QPSK	25	12	22.53	22.40	22.33	
10	QPSK	25	25	22.40	22.54	22.22	
10	QPSK	50	0	22.52	22.36	22.33	24
10	16QAM	1	0	22.51	22.38	22.30	
10	16QAM	1	25	22.26	22.29	22.28	
10	16QAM	1	49	22.40	22.20	22.22	24
10	16QAM	25	0	22.32	22.17	22.14	
10	16QAM	25	12	22.30	22.26	22.17	
10	16QAM	25	25	22.34	22.06	22.00	24
10	16QAM	50	0	22.19	22.11	22.17	
10	64QAM	1	0	22.41	22.68	22.49	
10	64QAM	1	25	22.09	22.43	22.48	23.3
10	64QAM	1	49	22.30	22.48	22.16	
10	64QAM	25	0	21.35	21.38	21.40	
10	64QAM	25	12	21.32	21.39	21.40	21.3
10	64QAM	25	25	21.30	21.40	21.34	
10	64QAM	50	0	21.31	21.40	21.43	
10	256QAM	1	0	19.32	19.52	19.59	21.3
10	256QAM	1	25	19.38	19.48	19.47	
10	256QAM	1	49	19.38	19.38	19.41	
10	256QAM	25	0	19.36	19.33	19.34	21.3
10	256QAM	25	12	19.33	19.35	19.35	



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10	256QAM	25	25	19.37	19.36	19.34	Tune-up limit (dBm)
10	256QAM	50	0	19.38	19.39	19.35	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	22.65	22.93	22.78	24
5	QPSK	1	12	22.67	22.48	22.10	
5	QPSK	1	24	22.59	22.56	22.28	
5	QPSK	12	0	22.50	22.66	22.29	24
5	QPSK	12	7	22.48	22.34	22.30	
5	QPSK	12	13	22.40	22.51	22.21	
5	QPSK	25	0	22.47	22.41	22.31	
5	16QAM	1	0	22.48	22.33	22.25	24
5	16QAM	1	12	22.31	22.37	22.27	
5	16QAM	1	24	22.37	22.30	22.18	
5	16QAM	12	0	22.35	22.14	22.11	24
5	16QAM	12	7	22.34	22.22	22.13	
5	16QAM	12	13	22.35	22.08	21.96	
5	16QAM	25	0	22.21	22.06	22.18	
5	64QAM	1	0	22.35	22.63	22.51	24
5	64QAM	1	12	22.09	22.41	22.44	
5	64QAM	1	24	22.27	22.47	22.11	
5	64QAM	12	0	21.33	21.38	21.37	23.3
5	64QAM	12	7	21.25	21.33	21.38	
5	64QAM	12	13	21.35	21.42	21.35	
5	64QAM	25	0	21.39	21.36	21.40	
5	256QAM	1	0	19.24	19.53	19.52	21.3
5	256QAM	1	12	19.28	19.51	19.43	
5	256QAM	1	24	19.36	19.31	19.35	
5	256QAM	12	0	19.35	19.24	19.37	21.3
5	256QAM	12	7	19.60	19.44	19.45	
5	256QAM	12	13	19.57	19.48	19.49	
5	256QAM	25	0	19.53	19.38	19.48	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	22.67	22.92	22.78	24
3	QPSK	1	8	22.60	22.41	22.11	
3	QPSK	1	14	22.57	22.52	22.28	
3	QPSK	8	0	22.45	22.63	22.33	24
3	QPSK	8	4	22.48	22.35	22.25	
3	QPSK	8	7	22.40	22.45	22.26	
3	QPSK	15	0	22.52	22.33	22.32	
3	16QAM	1	0	22.48	22.30	22.30	24
3	16QAM	1	8	22.29	22.34	22.26	
3	16QAM	1	14	22.43	22.24	22.20	
3	16QAM	8	0	22.29	22.19	22.18	24
3	16QAM	8	4	22.38	22.32	22.17	
3	16QAM	8	7	22.37	22.11	21.95	
3	16QAM	15	0	22.18	22.07	22.18	
3	64QAM	1	0	22.44	22.68	22.52	24
3	64QAM	1	8	22.17	22.46	22.48	
3	64QAM	1	14	22.31	22.43	22.18	
3	64QAM	8	0	21.32	21.36	21.41	23.3
3	64QAM	8	4	21.31	21.36	21.45	
3	64QAM	8	7	21.34	21.38	21.34	
3	64QAM	15	0	21.22	21.34	21.36	
3	256QAM	1	0	19.33	19.53	19.58	21.3
3	256QAM	1	8	19.28	19.47	19.41	
3	256QAM	1	14	19.23	19.36	19.36	
3	256QAM	8	0	19.35	19.46	19.45	21.3
3	256QAM	8	4	19.34	19.46	19.39	
3	256QAM	8	7	19.30	19.46	19.50	
3	256QAM	15	0	19.37	19.42	19.45	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	22.51	22.89	22.72	24
1.4	QPSK	1	3	22.43	22.36	22.00	
1.4	QPSK	1	5	22.36	22.48	22.09	
1.4	QPSK	3	0	22.31	22.51	22.14	
1.4	QPSK	3	1	22.41	22.29	22.12	
1.4	QPSK	3	3	22.38	22.37	22.12	
1.4	QPSK	6	0	22.47	22.30	22.28	24
1.4	16QAM	1	0	22.45	22.31	22.12	24
1.4	16QAM	1	3	22.24	22.21	22.15	
1.4	16QAM	1	5	22.38	22.08	22.10	
1.4	16QAM	3	0	22.27	21.97	22.09	
1.4	16QAM	3	1	22.31	22.09	22.05	
1.4	16QAM	3	3	22.26	22.03	21.86	
1.4	16QAM	6	0	22.22	22.07	22.15	24
1.4	64QAM	1	0	22.20	22.67	22.50	24
1.4	64QAM	1	3	22.01	22.39	22.38	
1.4	64QAM	1	5	22.28	22.39	22.08	
1.4	64QAM	3	0	22.08	22.05	22.08	
1.4	64QAM	3	1	22.07	22.09	22.03	
1.4	64QAM	3	3	22.00	22.23	22.08	
1.4	64QAM	6	0	21.36	21.32	21.37	23.3
1.4	256QAM	1	0	19.33	19.30	19.34	21.3
1.4	256QAM	1	3	19.33	19.32	19.30	
1.4	256QAM	1	5	19.53	19.34	19.30	
1.4	256QAM	3	0	19.53	19.56	19.07	
1.4	256QAM	3	1	19.34	19.43	19.47	
1.4	256QAM	3	3	19.41	19.50	19.37	
1.4	256QAM	6	0	19.46	19.37	19.31	21.3



<LTE Band 26_Ant 0_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.57	24.49	25.3
15	QPSK	1	37	24.36	24.29	24.34	
15	QPSK	1	74	24.47	24.37	24.31	
15	QPSK	36	0	23.56	23.52	23.50	24.3
15	QPSK	36	20	23.50	23.42	23.44	
15	QPSK	36	39	23.48	23.45	23.40	
15	QPSK	75	0	23.51	23.53	23.47	
15	16QAM	1	0	23.71	23.81	23.85	24.3
15	16QAM	1	37	23.78	23.80	23.73	
15	16QAM	1	74	23.68	23.66	23.54	
15	16QAM	36	0	22.49	22.50	22.47	23.3
15	16QAM	36	20	22.44	22.41	22.44	
15	16QAM	36	39	22.46	22.37	22.38	
15	16QAM	75	0	22.48	22.43	22.46	
15	64QAM	1	0	22.56	22.58	22.65	23.3
15	64QAM	1	37	22.68	22.49	22.56	
15	64QAM	1	74	22.58	22.57	22.43	
15	64QAM	36	0	21.47	21.46	21.44	22.3
15	64QAM	36	20	21.47	21.41	21.42	
15	64QAM	36	39	21.44	21.39	21.39	
15	64QAM	75	0	21.42	21.40	21.38	
15	256QAM	1	0	19.44	19.50	19.38	20.3
15	256QAM	1	37	19.28	19.44	19.22	
15	256QAM	1	74	19.29	19.38	19.23	
15	256QAM	36	0	19.20	19.36	19.20	20.3
15	256QAM	36	20	19.16	19.28	19.09	
15	256QAM	36	39	19.20	19.31	19.13	
15	256QAM	75	0	19.26	19.34	19.16	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.38	24.47	24.29	25.3
10	QPSK	1	25	24.18	24.16	24.29	
10	QPSK	1	49	24.27	24.32	24.23	
10	QPSK	25	0	23.52	23.50	23.49	24.3
10	QPSK	25	12	23.30	23.27	23.36	
10	QPSK	25	25	23.48	23.45	23.32	
10	QPSK	50	0	23.34	23.47	23.27	
10	16QAM	1	0	23.52	23.81	23.75	24.3
10	16QAM	1	25	23.62	23.77	23.56	
10	16QAM	1	49	23.61	23.51	23.46	
10	16QAM	25	0	22.36	22.44	22.40	23.3
10	16QAM	25	12	22.44	22.40	22.39	
10	16QAM	25	25	22.27	22.36	22.30	
10	16QAM	50	0	22.38	22.30	22.34	
10	64QAM	1	0	22.56	22.47	22.65	23.3
10	64QAM	1	25	22.63	22.33	22.47	
10	64QAM	1	49	22.57	22.42	22.31	
10	64QAM	25	0	21.27	21.26	21.37	22.3
10	64QAM	25	12	21.31	21.24	21.28	
10	64QAM	25	25	21.31	21.34	21.21	
10	64QAM	50	0	21.24	21.29	21.29	
10	256QAM	1	0	19.30	19.41	19.32	20.3
10	256QAM	1	25	19.08	19.36	19.06	
10	256QAM	1	49	19.22	19.20	19.18	
10	256QAM	25	0	19.00	19.24	19.04	20.3
10	256QAM	25	12	19.02	19.23	19.04	



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10	256QAM	25	25	19.02	19.26	19.04	Tune-up limit (dBm)
10	256QAM	50	0	19.10	19.16	19.10	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.37	24.45	24.41	25.3
5	QPSK	1	12	24.29	24.20	24.27	
5	QPSK	1	24	24.46	24.24	24.15	
5	QPSK	12	0	23.45	23.40	23.46	24.3
5	QPSK	12	7	23.49	23.38	23.38	
5	QPSK	12	13	23.29	23.35	23.21	
5	QPSK	25	0	23.35	23.36	23.47	
5	16QAM	1	0	23.62	23.64	23.70	24.3
5	16QAM	1	12	23.72	23.66	23.59	
5	16QAM	1	24	23.67	23.63	23.52	
5	16QAM	12	0	22.35	22.41	22.35	23.3
5	16QAM	12	7	22.36	22.36	22.44	
5	16QAM	12	13	22.39	22.19	22.21	
5	16QAM	25	0	22.32	22.27	22.35	
5	64QAM	1	0	22.46	22.42	22.49	23.3
5	64QAM	1	12	22.58	22.32	22.37	
5	64QAM	1	24	22.41	22.42	22.35	
5	64QAM	12	0	21.28	21.31	21.24	22.3
5	64QAM	12	7	21.31	21.39	21.39	
5	64QAM	12	13	21.31	21.19	21.25	
5	64QAM	25	0	21.27	21.23	21.19	
5	256QAM	1	0	19.29	19.43	19.34	20.3
5	256QAM	1	12	19.18	19.32	19.05	
5	256QAM	1	24	19.25	19.20	19.13	
5	256QAM	12	0	19.12	19.28	19.05	20.3
5	256QAM	12	7	19.00	19.09	19.07	
5	256QAM	12	13	19.08	19.13	18.98	
5	256QAM	25	0	19.25	19.32	18.98	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.43	24.49	24.35	25.3
3	QPSK	1	8	24.23	24.17	24.30	
3	QPSK	1	14	24.27	24.18	24.14	
3	QPSK	8	0	23.56	23.39	23.47	24.3
3	QPSK	8	4	23.37	23.23	23.41	
3	QPSK	8	7	23.40	23.38	23.38	
3	QPSK	15	0	23.48	23.40	23.30	
3	16QAM	1	0	23.64	23.71	23.72	24.3
3	16QAM	1	8	23.67	23.74	23.57	
3	16QAM	1	14	23.63	23.48	23.50	
3	16QAM	8	0	22.49	22.30	22.44	23.3
3	16QAM	8	4	22.36	22.35	22.32	
3	16QAM	8	7	22.43	22.37	22.25	
3	16QAM	15	0	22.39	22.32	22.33	
3	64QAM	1	0	22.46	22.57	22.48	23.3
3	64QAM	1	8	22.52	22.37	22.39	
3	64QAM	1	14	22.40	22.42	22.36	
3	64QAM	8	0	21.40	21.38	21.32	22.3
3	64QAM	8	4	21.40	21.38	21.42	
3	64QAM	8	7	21.34	21.30	21.30	
3	64QAM	15	0	21.41	21.28	21.23	
3	256QAM	1	0	19.28	19.44	19.29	20.3
3	256QAM	1	8	19.22	19.43	19.05	
3	256QAM	1	14	19.12	19.36	19.19	
3	256QAM	8	0	19.10	19.19	19.18	20.3
3	256QAM	8	4	19.13	19.08	18.90	
3	256QAM	8	7	19.05	19.16	18.96	
3	256QAM	15	0	19.11	19.16	19.12	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.49	24.43	24.47	25.3
1.4	QPSK	1	3	24.32	24.09	24.24	
1.4	QPSK	1	5	24.41	24.27	24.21	
1.4	QPSK	3	0	24.37	24.48	24.42	
1.4	QPSK	3	1	24.34	24.13	24.21	
1.4	QPSK	3	3	24.37	24.29	24.25	
1.4	QPSK	6	0	23.39	23.49	23.44	24.3
1.4	16QAM	1	0	23.44	23.32	23.25	24.3
1.4	16QAM	1	3	23.37	23.40	23.35	
1.4	16QAM	1	5	23.34	23.33	23.35	
1.4	16QAM	3	0	23.64	23.66	23.79	
1.4	16QAM	3	1	23.65	23.65	23.69	
1.4	16QAM	3	3	23.56	23.46	23.39	
1.4	16QAM	6	0	22.30	22.37	22.34	23.3
1.4	64QAM	1	0	22.42	22.22	22.32	23.3
1.4	64QAM	1	3	22.27	22.28	22.30	
1.4	64QAM	1	5	22.41	22.29	22.46	
1.4	64QAM	3	0	22.54	22.56	22.65	
1.4	64QAM	3	1	22.54	22.38	22.46	
1.4	64QAM	3	3	22.55	22.56	22.27	
1.4	64QAM	6	0	21.32	21.31	21.44	22.3
1.4	256QAM	1	0	19.24	19.43	19.34	20.3
1.4	256QAM	1	3	19.23	19.27	19.06	
1.4	256QAM	1	5	19.14	19.38	19.06	
1.4	256QAM	3	0	19.06	19.27	19.18	
1.4	256QAM	3	1	19.11	19.25	18.93	
1.4	256QAM	3	3	19.06	19.31	19.06	
1.4	256QAM	6	0	19.13	19.17	19.08	20.3



<LTE Band 26_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	22.71	22.98	22.78	
15	QPSK	1	37	22.67	22.48	22.13	23.3
15	QPSK	1	74	22.59	22.62	22.28	
15	QPSK	36	0	22.54	22.66	22.35	
15	QPSK	36	20	22.53	22.40	22.34	23.3
15	QPSK	36	39	22.46	22.55	22.30	
15	QPSK	75	0	22.57	22.42	22.39	
15	16QAM	1	0	22.56	22.38	22.30	23.3
15	16QAM	1	37	22.34	22.39	22.29	
15	16QAM	1	74	22.44	22.30	22.22	
15	16QAM	36	0	22.37	22.22	22.19	23.3
15	16QAM	36	20	22.39	22.32	22.17	
15	16QAM	36	39	22.37	22.12	22.02	
15	16QAM	75	0	22.28	22.16	22.22	23.3
15	64QAM	1	0	22.44	22.72	22.58	
15	64QAM	1	37	22.18	22.46	22.51	
15	64QAM	1	74	22.36	22.49	22.21	22.3
15	64QAM	36	0	21.36	21.41	21.43	
15	64QAM	36	20	21.32	21.39	21.47	
15	64QAM	36	39	21.39	21.43	21.38	20.3
15	64QAM	75	0	21.31	21.42	21.44	
15	256QAM	1	0	19.33	19.53	19.60	
15	256QAM	1	37	19.38	19.51	19.50	20.3
15	256QAM	1	74	19.30	19.39	19.44	
15	256QAM	36	0	19.37	19.27	19.44	20.3
15	256QAM	36	20	19.35	19.26	19.24	
15	256QAM	36	39	19.39	19.27	19.25	
15	256QAM	75	0	19.38	19.19	19.24	Tune-up limit (dBm)
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	22.67	22.91	22.78	23.3
10	QPSK	1	25	22.57	22.46	22.10	
10	QPSK	1	49	22.55	22.60	22.25	
10	QPSK	25	0	22.44	22.57	22.33	23.3
10	QPSK	25	12	22.53	22.40	22.33	
10	QPSK	25	25	22.40	22.54	22.22	
10	QPSK	50	0	22.52	22.36	22.33	23.3
10	16QAM	1	0	22.51	22.38	22.30	
10	16QAM	1	25	22.26	22.29	22.28	
10	16QAM	1	49	22.40	22.20	22.22	23.3
10	16QAM	25	0	22.32	22.17	22.14	
10	16QAM	25	12	22.30	22.26	22.17	
10	16QAM	25	25	22.34	22.06	22.00	23.3
10	16QAM	50	0	22.19	22.11	22.17	
10	64QAM	1	0	22.41	22.68	22.49	
10	64QAM	1	25	22.09	22.43	22.48	23.3
10	64QAM	1	49	22.30	22.48	22.16	
10	64QAM	25	0	21.35	21.38	21.40	
10	64QAM	25	12	21.32	21.39	21.40	22.3
10	64QAM	25	25	21.30	21.40	21.34	
10	64QAM	50	0	21.31	21.40	21.43	
10	256QAM	1	0	19.32	19.52	19.59	20.3
10	256QAM	1	25	19.38	19.48	19.47	
10	256QAM	1	49	19.38	19.38	19.41	
10	256QAM	25	0	19.36	19.33	19.34	20.3
10	256QAM	25	12	19.33	19.35	19.35	



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10	256QAM	25	25	19.37	19.36	19.34	Tune-up limit (dBm)
10	256QAM	50	0	19.38	19.39	19.35	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	22.65	22.93	22.78	23.3
5	QPSK	1	12	22.67	22.48	22.10	
5	QPSK	1	24	22.59	22.56	22.28	
5	QPSK	12	0	22.50	22.66	22.29	23.3
5	QPSK	12	7	22.48	22.34	22.30	
5	QPSK	12	13	22.40	22.51	22.21	
5	QPSK	25	0	22.47	22.41	22.31	
5	16QAM	1	0	22.48	22.33	22.25	23.3
5	16QAM	1	12	22.31	22.37	22.27	
5	16QAM	1	24	22.37	22.30	22.18	
5	16QAM	12	0	22.35	22.14	22.11	23.3
5	16QAM	12	7	22.34	22.22	22.13	
5	16QAM	12	13	22.35	22.08	21.96	
5	16QAM	25	0	22.21	22.06	22.18	
5	64QAM	1	0	22.35	22.63	22.51	23.3
5	64QAM	1	12	22.09	22.41	22.44	
5	64QAM	1	24	22.27	22.47	22.11	
5	64QAM	12	0	21.33	21.38	21.37	22.3
5	64QAM	12	7	21.25	21.33	21.38	
5	64QAM	12	13	21.35	21.42	21.35	
5	64QAM	25	0	21.39	21.36	21.40	
5	256QAM	1	0	19.24	19.53	19.52	20.3
5	256QAM	1	12	19.28	19.51	19.43	
5	256QAM	1	24	19.36	19.31	19.35	
5	256QAM	12	0	19.35	19.24	19.37	20.3
5	256QAM	12	7	19.60	19.44	19.45	
5	256QAM	12	13	19.57	19.48	19.49	
5	256QAM	25	0	19.53	19.38	19.48	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	22.67	22.92	22.78	23.3
3	QPSK	1	8	22.60	22.41	22.11	
3	QPSK	1	14	22.57	22.52	22.28	
3	QPSK	8	0	22.45	22.63	22.33	23.3
3	QPSK	8	4	22.48	22.35	22.25	
3	QPSK	8	7	22.40	22.45	22.26	
3	QPSK	15	0	22.52	22.33	22.32	
3	16QAM	1	0	22.48	22.30	22.30	23.3
3	16QAM	1	8	22.29	22.34	22.26	
3	16QAM	1	14	22.43	22.24	22.20	
3	16QAM	8	0	22.29	22.19	22.18	23.3
3	16QAM	8	4	22.38	22.32	22.17	
3	16QAM	8	7	22.37	22.11	21.95	
3	16QAM	15	0	22.18	22.07	22.18	
3	64QAM	1	0	22.44	22.68	22.52	23.3
3	64QAM	1	8	22.17	22.46	22.48	
3	64QAM	1	14	22.31	22.43	22.18	
3	64QAM	8	0	21.32	21.36	21.41	22.3
3	64QAM	8	4	21.31	21.36	21.45	
3	64QAM	8	7	21.34	21.38	21.34	
3	64QAM	15	0	21.22	21.34	21.36	
3	256QAM	1	0	19.33	19.53	19.58	20.3
3	256QAM	1	8	19.28	19.47	19.41	
3	256QAM	1	14	19.23	19.36	19.36	
3	256QAM	8	0	19.35	19.46	19.45	20.3
3	256QAM	8	4	19.34	19.46	19.39	
3	256QAM	8	7	19.30	19.46	19.50	
3	256QAM	15	0	19.37	19.42	19.45	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	22.51	22.89	22.72	23.3
1.4	QPSK	1	3	22.43	22.36	22.00	
1.4	QPSK	1	5	22.36	22.48	22.09	
1.4	QPSK	3	0	22.31	22.51	22.14	
1.4	QPSK	3	1	22.41	22.29	22.12	
1.4	QPSK	3	3	22.38	22.37	22.12	
1.4	QPSK	6	0	22.47	22.30	22.28	23.3
1.4	16QAM	1	0	22.45	22.31	22.12	23.3
1.4	16QAM	1	3	22.24	22.21	22.15	
1.4	16QAM	1	5	22.38	22.08	22.10	
1.4	16QAM	3	0	22.27	21.97	22.09	
1.4	16QAM	3	1	22.31	22.09	22.05	
1.4	16QAM	3	3	22.26	22.03	21.86	
1.4	16QAM	6	0	22.22	22.07	22.15	23.3
1.4	64QAM	1	0	22.20	22.67	22.50	23.3
1.4	64QAM	1	3	22.01	22.39	22.38	
1.4	64QAM	1	5	22.28	22.39	22.08	
1.4	64QAM	3	0	22.08	22.05	22.08	
1.4	64QAM	3	1	22.07	22.09	22.03	
1.4	64QAM	3	3	22.00	22.23	22.08	
1.4	64QAM	6	0	21.36	21.32	21.37	22.3
1.4	256QAM	1	0	19.33	19.30	19.34	20.3
1.4	256QAM	1	3	19.33	19.32	19.30	
1.4	256QAM	1	5	19.53	19.34	19.30	
1.4	256QAM	3	0	19.53	19.56	19.07	
1.4	256QAM	3	1	19.34	19.43	19.47	
1.4	256QAM	3	3	19.41	19.50	19.37	
1.4	256QAM	6	0	19.46	19.37	19.31	20.3

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.57	24.49	25.3
15	QPSK	1	37	24.36	24.29	24.34	
15	QPSK	1	74	24.47	24.37	24.31	
15	QPSK	36	0	23.55	23.56	23.50	24.3
15	QPSK	36	20	23.50	23.42	23.44	
15	QPSK	36	39	23.48	23.45	23.40	
15	QPSK	75	0	23.51	23.53	23.47	24.3
15	16QAM	1	0	23.71	23.81	23.85	
15	16QAM	1	37	23.78	23.80	23.73	
15	16QAM	1	74	23.68	23.66	23.54	23.3
15	16QAM	36	0	22.49	22.50	22.47	
15	16QAM	36	20	22.44	22.41	22.44	
15	16QAM	36	39	22.46	22.37	22.38	23.3
15	16QAM	75	0	22.48	22.43	22.46	
15	64QAM	1	0	22.56	22.58	22.65	
15	64QAM	1	37	22.68	22.49	22.56	22.3
15	64QAM	1	74	22.58	22.57	22.43	
15	64QAM	36	0	21.47	21.46	21.44	
15	64QAM	36	20	21.47	21.41	21.42	20.3
15	64QAM	36	39	21.44	21.39	21.39	
15	64QAM	75	0	21.42	21.40	21.38	
15	256QAM	1	0	19.44	19.50	19.38	20.3
15	256QAM	1	37	19.28	19.44	19.22	
15	256QAM	1	74	19.29	19.38	19.23	
15	256QAM	36	0	19.20	19.36	19.20	20.3
15	256QAM	36	20	19.16	19.28	19.09	



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15	256QAM	36	39	19.20	19.31	19.13	Tune-up limit (dBm)
15	256QAM	75	0	19.26	19.34	19.16	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.38	24.47	24.29	25.3
10	QPSK	1	25	24.18	24.16	24.29	
10	QPSK	1	49	24.27	24.32	24.23	
10	QPSK	25	0	23.52	23.50	23.49	24.3
10	QPSK	25	12	23.30	23.27	23.36	
10	QPSK	25	25	23.48	23.45	23.32	
10	QPSK	50	0	23.34	23.47	23.27	
10	16QAM	1	0	23.52	23.81	23.75	24.3
10	16QAM	1	25	23.62	23.77	23.56	
10	16QAM	1	49	23.61	23.51	23.46	
10	16QAM	25	0	22.36	22.44	22.40	23.3
10	16QAM	25	12	22.44	22.40	22.39	
10	16QAM	25	25	22.27	22.36	22.30	
10	16QAM	50	0	22.38	22.30	22.34	
10	64QAM	1	0	22.56	22.47	22.65	23.3
10	64QAM	1	25	22.63	22.33	22.47	
10	64QAM	1	49	22.57	22.42	22.31	
10	64QAM	25	0	21.27	21.26	21.37	22.3
10	64QAM	25	12	21.31	21.24	21.28	
10	64QAM	25	25	21.31	21.34	21.21	
10	64QAM	50	0	21.24	21.29	21.29	
10	256QAM	1	0	19.30	19.41	19.32	20.3
10	256QAM	1	25	19.08	19.36	19.06	
10	256QAM	1	49	19.22	19.20	19.18	
10	256QAM	25	0	19.00	19.24	19.04	20.3
10	256QAM	25	12	19.02	19.23	19.04	
10	256QAM	25	25	19.02	19.26	19.04	
10	256QAM	50	0	19.10	19.16	19.10	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.37	24.45	24.41	25.3
5	QPSK	1	12	24.29	24.20	24.27	
5	QPSK	1	24	24.46	24.24	24.15	
5	QPSK	12	0	23.45	23.40	23.46	24.3
5	QPSK	12	7	23.49	23.38	23.38	
5	QPSK	12	13	23.29	23.35	23.21	
5	QPSK	25	0	23.35	23.36	23.47	
5	16QAM	1	0	23.62	23.64	23.70	24.3
5	16QAM	1	12	23.72	23.66	23.59	
5	16QAM	1	24	23.67	23.63	23.52	
5	16QAM	12	0	22.35	22.41	22.35	23.3
5	16QAM	12	7	22.36	22.36	22.44	
5	16QAM	12	13	22.39	22.19	22.21	
5	16QAM	25	0	22.32	22.27	22.35	
5	64QAM	1	0	22.46	22.42	22.49	23.3
5	64QAM	1	12	22.58	22.32	22.37	
5	64QAM	1	24	22.41	22.42	22.35	
5	64QAM	12	0	21.28	21.31	21.24	22.3
5	64QAM	12	7	21.31	21.39	21.39	
5	64QAM	12	13	21.31	21.19	21.25	
5	64QAM	25	0	21.27	21.23	21.19	
5	256QAM	1	0	19.29	19.43	19.34	20.3
5	256QAM	1	12	19.18	19.32	19.05	
5	256QAM	1	24	19.25	19.20	19.13	
5	256QAM	12	0	19.12	19.28	19.05	20.3
5	256QAM	12	7	19.00	19.09	19.07	
5	256QAM	12	13	19.08	19.13	18.98	
5	256QAM	25	0	19.25	19.32	18.98	
Channel				26705	26865	27025	Tune-up limit



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Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.43	24.49	24.35	25.3
3	QPSK	1	8	24.23	24.17	24.30	
3	QPSK	1	14	24.27	24.18	24.14	
3	QPSK	8	0	23.56	23.39	23.47	24.3
3	QPSK	8	4	23.37	23.23	23.41	
3	QPSK	8	7	23.40	23.38	23.38	
3	QPSK	15	0	23.48	23.40	23.30	
3	16QAM	1	0	23.64	23.71	23.72	24.3
3	16QAM	1	8	23.67	23.74	23.57	
3	16QAM	1	14	23.63	23.48	23.50	
3	16QAM	8	0	22.49	22.30	22.44	23.3
3	16QAM	8	4	22.36	22.35	22.32	
3	16QAM	8	7	22.43	22.37	22.25	
3	16QAM	15	0	22.39	22.32	22.33	
3	64QAM	1	0	22.46	22.57	22.48	23.3
3	64QAM	1	8	22.52	22.37	22.39	
3	64QAM	1	14	22.40	22.42	22.36	
3	64QAM	8	0	21.40	21.38	21.32	22.3
3	64QAM	8	4	21.40	21.38	21.42	
3	64QAM	8	7	21.34	21.30	21.30	
3	64QAM	15	0	21.41	21.28	21.23	
3	256QAM	1	0	19.28	19.44	19.29	20.3
3	256QAM	1	8	19.22	19.43	19.05	
3	256QAM	1	14	19.12	19.36	19.19	
3	256QAM	8	0	19.10	19.19	19.18	20.3
3	256QAM	8	4	19.13	19.08	18.90	
3	256QAM	8	7	19.05	19.16	18.96	
3	256QAM	15	0	19.11	19.16	19.12	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	24.49	24.43	24.47	25.3
1.4	QPSK	1	3	24.32	24.09	24.24	
1.4	QPSK	1	5	24.41	24.27	24.21	
1.4	QPSK	3	0	24.37	24.48	24.42	
1.4	QPSK	3	1	24.34	24.13	24.21	
1.4	QPSK	3	3	24.37	24.29	24.25	
1.4	QPSK	6	0	23.39	23.49	23.44	24.3
1.4	16QAM	1	0	23.44	23.32	23.25	24.3
1.4	16QAM	1	3	23.37	23.40	23.35	
1.4	16QAM	1	5	23.34	23.33	23.35	
1.4	16QAM	3	0	23.64	23.66	23.79	
1.4	16QAM	3	1	23.65	23.65	23.69	
1.4	16QAM	3	3	23.56	23.46	23.39	23.3
1.4	16QAM	6	0	22.30	22.37	22.34	
1.4	64QAM	1	0	22.42	22.22	22.32	23.3
1.4	64QAM	1	3	22.27	22.28	22.30	
1.4	64QAM	1	5	22.41	22.29	22.46	
1.4	64QAM	3	0	22.54	22.56	22.65	
1.4	64QAM	3	1	22.54	22.38	22.46	
1.4	64QAM	3	3	22.55	22.56	22.27	22.3
1.4	64QAM	6	0	21.32	21.31	21.44	
1.4	256QAM	1	0	19.24	19.43	19.34	20.3
1.4	256QAM	1	3	19.23	19.27	19.06	
1.4	256QAM	1	5	19.14	19.38	19.06	
1.4	256QAM	3	0	19.06	19.27	19.18	
1.4	256QAM	3	1	19.11	19.25	18.93	
1.4	256QAM	3	3	19.06	19.31	19.06	20.3
1.4	256QAM	6	0	19.13	19.17	19.08	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.46	24.34	24.28	
15	QPSK	1	37	24.22	24.05	24.02	25.3
15	QPSK	1	74	24.26	24.14	24.11	
15	QPSK	36	0	23.36	23.31	23.23	
15	QPSK	36	20	23.34	23.27	23.19	24.3
15	QPSK	36	39	23.31	23.24	23.17	
15	QPSK	75	0	23.32	23.32	23.29	
15	16QAM	1	0	23.73	23.68	23.64	24.3
15	16QAM	1	37	23.57	23.54	23.53	
15	16QAM	1	74	23.51	23.38	23.33	
15	16QAM	36	0	22.34	22.31	22.27	23.3
15	16QAM	36	20	22.29	22.28	22.18	
15	16QAM	36	39	22.30	22.21	22.17	
15	16QAM	75	0	22.34	22.27	22.23	23.3
15	64QAM	1	0	22.46	22.49	22.43	
15	64QAM	1	37	22.47	22.41	22.28	
15	64QAM	1	74	22.45	22.33	22.26	22.3
15	64QAM	36	0	21.34	21.31	21.24	
15	64QAM	36	20	21.33	21.26	21.16	
15	64QAM	36	39	21.26	21.15	21.11	20.3
15	64QAM	75	0	21.21	21.15	21.17	
15	256QAM	1	0	19.50	19.45	19.42	
15	256QAM	1	37	19.39	19.41	19.37	20.3
15	256QAM	1	74	19.31	19.34	19.28	
15	256QAM	36	0	19.31	19.31	19.23	20.3
15	256QAM	36	20	19.15	19.20	19.14	
15	256QAM	36	39	19.20	19.25	19.15	
15	256QAM	75	0	19.19	19.20	19.17	Tune-up limit (dBm)
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.28	24.30	24.11	25.3
10	QPSK	1	25	24.09	24.00	23.99	
10	QPSK	1	49	24.11	23.96	24.10	
10	QPSK	25	0	23.22	23.13	23.17	24.3
10	QPSK	25	12	23.25	23.16	23.17	
10	QPSK	25	25	23.17	23.05	23.03	
10	QPSK	50	0	23.28	23.30	23.18	24.3
10	16QAM	1	0	23.58	23.56	23.55	
10	16QAM	1	25	23.57	23.37	23.42	
10	16QAM	1	49	23.38	23.20	23.28	23.3
10	16QAM	25	0	22.29	22.16	22.26	
10	16QAM	25	12	22.28	22.21	22.14	
10	16QAM	25	25	22.27	22.06	22.07	23.3
10	16QAM	50	0	22.34	22.07	22.21	
10	64QAM	1	0	22.28	22.33	22.23	
10	64QAM	1	25	22.31	22.27	22.27	23.3
10	64QAM	1	49	22.25	22.30	22.24	
10	64QAM	25	0	21.34	21.22	21.09	22.3
10	64QAM	25	12	21.21	21.14	21.05	
10	64QAM	25	25	21.26	20.99	21.06	
10	64QAM	50	0	21.06	21.07	21.13	20.3
10	256QAM	1	0	19.34	19.33	19.27	
10	256QAM	1	25	19.29	19.40	19.30	
10	256QAM	1	49	19.29	19.16	19.20	20.3
10	256QAM	25	0	19.30	19.31	19.21	
10	256QAM	25	12	19.13	19.09	19.02	



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10	256QAM	25	25	19.12	19.06	18.99	Tune-up limit (dBm)
10	256QAM	50	0	19.04	19.05	18.99	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.38	24.25	24.13	25.3
5	QPSK	1	12	24.13	23.92	23.93	
5	QPSK	1	24	24.08	24.09	23.95	
5	QPSK	12	0	23.28	23.16	23.09	24.3
5	QPSK	12	7	23.25	23.16	23.18	
5	QPSK	12	13	23.17	23.17	23.14	
5	QPSK	25	0	23.13	23.17	23.25	
5	16QAM	1	0	23.55	23.63	23.50	24.3
5	16QAM	1	12	23.41	23.36	23.39	
5	16QAM	1	24	23.40	23.18	23.28	
5	16QAM	12	0	22.32	22.28	22.16	23.3
5	16QAM	12	7	22.13	22.26	22.14	
5	16QAM	12	13	22.23	22.02	22.07	
5	16QAM	25	0	22.26	22.26	22.07	
5	64QAM	1	0	22.28	22.39	22.29	23.3
5	64QAM	1	12	22.31	22.40	22.21	
5	64QAM	1	24	22.40	22.25	22.12	
5	64QAM	12	0	21.24	21.18	21.04	22.3
5	64QAM	12	7	21.17	21.17	21.09	
5	64QAM	12	13	21.23	21.09	20.92	
5	64QAM	25	0	21.10	21.14	21.04	
5	256QAM	1	0	19.30	19.26	19.22	20.3
5	256QAM	1	12	19.34	19.38	19.19	
5	256QAM	1	24	19.13	19.32	19.19	
5	256QAM	12	0	19.18	19.17	19.09	20.3
5	256QAM	12	7	19.11	19.16	19.03	
5	256QAM	12	13	19.06	19.15	19.10	
5	256QAM	25	0	19.15	19.04	19.01	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.45	24.15	24.08	25.3
3	QPSK	1	8	24.20	24.05	23.96	
3	QPSK	1	14	24.25	24.02	24.05	
3	QPSK	8	0	23.19	23.12	23.11	24.3
3	QPSK	8	4	23.32	23.19	23.05	
3	QPSK	8	7	23.20	23.14	23.11	
3	QPSK	15	0	23.29	23.14	23.15	
3	16QAM	1	0	23.72	23.50	23.45	24.3
3	16QAM	1	8	23.45	23.38	23.48	
3	16QAM	1	14	23.34	23.33	23.21	
3	16QAM	8	0	22.20	22.16	22.16	23.3
3	16QAM	8	4	22.22	22.14	22.10	
3	16QAM	8	7	22.11	22.10	22.02	
3	16QAM	15	0	22.22	22.14	22.22	
3	64QAM	1	0	22.37	22.35	22.35	23.3
3	64QAM	1	8	22.38	22.28	22.10	
3	64QAM	1	14	22.32	22.32	22.26	
3	64QAM	8	0	21.32	21.20	21.17	22.3
3	64QAM	8	4	21.20	21.21	21.07	
3	64QAM	8	7	21.07	21.04	21.09	
3	64QAM	15	0	21.15	20.97	21.12	
3	256QAM	1	0	19.39	19.39	19.30	20.3
3	256QAM	1	8	19.38	19.34	19.35	
3	256QAM	1	14	19.21	19.18	19.18	
3	256QAM	8	0	19.14	19.20	19.20	20.3
3	256QAM	8	4	19.15	19.03	19.08	
3	256QAM	8	7	19.02	19.23	19.05	
3	256QAM	15	0	19.13	19.17	19.00	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.31	24.34	24.23	25.3
1.4	QPSK	1	3	24.06	23.89	23.89	
1.4	QPSK	1	5	24.21	24.03	24.02	
1.4	QPSK	3	0	24.28	24.22	24.16	
1.4	QPSK	3	1	24.19	23.85	23.92	
1.4	QPSK	3	3	24.15	24.07	23.91	
1.4	QPSK	6	0	23.16	23.28	23.23	24.3
1.4	16QAM	1	0	23.32	23.27	23.19	24.3
1.4	16QAM	1	3	23.20	23.20	23.12	
1.4	16QAM	1	5	23.20	23.26	23.11	
1.4	16QAM	3	0	23.71	23.55	23.55	
1.4	16QAM	3	1	23.46	23.41	23.48	
1.4	16QAM	3	3	23.43	23.18	23.24	
1.4	16QAM	6	0	22.22	22.13	22.16	23.3
1.4	64QAM	1	0	22.09	22.23	22.12	23.3
1.4	64QAM	1	3	22.19	22.19	22.16	
1.4	64QAM	1	5	22.21	22.18	22.10	
1.4	64QAM	3	0	22.44	22.48	22.33	
1.4	64QAM	3	1	22.31	22.35	22.22	
1.4	64QAM	3	3	22.32	22.30	22.22	
1.4	64QAM	6	0	21.16	21.18	21.14	22.3
1.4	256QAM	1	0	19.48	19.39	19.39	20.3
1.4	256QAM	1	3	19.20	19.26	19.25	
1.4	256QAM	1	5	19.23	19.23	19.15	
1.4	256QAM	3	0	19.21	19.16	19.19	
1.4	256QAM	3	1	19.15	19.01	19.09	
1.4	256QAM	3	3	19.07	19.06	19.13	
1.4	256QAM	6	0	19.02	19.16	19.00	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.57	24.49	
15	QPSK	1	37	24.36	24.29	24.34	25.3
15	QPSK	1	74	24.47	24.37	24.31	
15	QPSK	36	0	23.55	23.56	23.50	
15	QPSK	36	20	23.50	23.42	23.44	24.3
15	QPSK	36	39	23.48	23.45	23.40	
15	QPSK	75	0	23.51	23.53	23.47	
15	16QAM	1	0	23.71	23.81	23.85	24.3
15	16QAM	1	37	23.78	23.80	23.73	
15	16QAM	1	74	23.68	23.66	23.54	
15	16QAM	36	0	22.49	22.50	22.47	23.3
15	16QAM	36	20	22.44	22.41	22.44	
15	16QAM	36	39	22.46	22.37	22.38	
15	16QAM	75	0	22.48	22.43	22.46	23.3
15	64QAM	1	0	22.56	22.58	22.65	
15	64QAM	1	37	22.68	22.49	22.56	
15	64QAM	1	74	22.58	22.57	22.43	22.3
15	64QAM	36	0	21.47	21.46	21.44	
15	64QAM	36	20	21.47	21.41	21.42	
15	64QAM	36	39	21.44	21.39	21.39	20.3
15	64QAM	75	0	21.42	21.40	21.38	
15	256QAM	1	0	19.44	19.50	19.38	
15	256QAM	1	37	19.28	19.44	19.22	20.3
15	256QAM	1	74	19.29	19.38	19.23	
15	256QAM	36	0	19.20	19.36	19.20	
15	256QAM	36	20	19.16	19.28	19.09	20.3
15	256QAM	36	39	19.20	19.31	19.13	
15	256QAM	75	0	19.26	19.34	19.16	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.38	24.47	24.29	
10	QPSK	1	25	24.18	24.16	24.29	25.3
10	QPSK	1	49	24.27	24.32	24.23	
10	QPSK	25	0	23.52	23.50	23.49	
10	QPSK	25	12	23.30	23.27	23.36	24.3
10	QPSK	25	25	23.48	23.45	23.32	
10	QPSK	50	0	23.34	23.47	23.27	
10	16QAM	1	0	23.52	23.81	23.75	24.3
10	16QAM	1	25	23.62	23.77	23.56	
10	16QAM	1	49	23.61	23.51	23.46	
10	16QAM	25	0	22.36	22.44	22.40	23.3
10	16QAM	25	12	22.44	22.40	22.39	
10	16QAM	25	25	22.27	22.36	22.30	
10	16QAM	50	0	22.38	22.30	22.34	23.3
10	64QAM	1	0	22.56	22.47	22.65	
10	64QAM	1	25	22.63	22.33	22.47	
10	64QAM	1	49	22.57	22.42	22.31	22.3
10	64QAM	25	0	21.27	21.26	21.37	
10	64QAM	25	12	21.31	21.24	21.28	
10	64QAM	25	25	21.31	21.34	21.21	20.3
10	64QAM	50	0	21.24	21.29	21.29	
10	256QAM	1	0	19.30	19.41	19.32	
10	256QAM	1	25	19.08	19.36	19.06	20.3
10	256QAM	1	49	19.22	19.20	19.18	
10	256QAM	25	0	19.00	19.24	19.04	



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10	256QAM	25	12	19.02	19.23	19.04	
10	256QAM	25	25	19.02	19.26	19.04	
10	256QAM	50	0	19.10	19.16	19.10	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.37	24.45	24.41	25.3
5	QPSK	1	12	24.29	24.20	24.27	
5	QPSK	1	24	24.46	24.24	24.15	
5	QPSK	12	0	23.45	23.40	23.46	24.3
5	QPSK	12	7	23.49	23.38	23.38	
5	QPSK	12	13	23.29	23.35	23.21	
5	QPSK	25	0	23.35	23.36	23.47	24.3
5	16QAM	1	0	23.62	23.64	23.70	
5	16QAM	1	12	23.72	23.66	23.59	
5	16QAM	1	24	23.67	23.63	23.52	23.3
5	16QAM	12	0	22.35	22.41	22.35	
5	16QAM	12	7	22.36	22.36	22.44	
5	16QAM	12	13	22.39	22.19	22.21	23.3
5	16QAM	25	0	22.32	22.27	22.35	
5	64QAM	1	0	22.46	22.42	22.49	
5	64QAM	1	12	22.58	22.32	22.37	22.3
5	64QAM	1	24	22.41	22.42	22.35	
5	64QAM	12	0	21.28	21.31	21.24	
5	64QAM	12	7	21.31	21.39	21.39	20.3
5	64QAM	12	13	21.31	21.19	21.25	
5	64QAM	25	0	21.27	21.23	21.19	
5	256QAM	1	0	19.29	19.43	19.34	20.3
5	256QAM	1	12	19.18	19.32	19.05	
5	256QAM	1	24	19.25	19.20	19.13	
5	256QAM	12	0	19.12	19.28	19.05	20.3
5	256QAM	12	7	19.00	19.09	19.07	
5	256QAM	12	13	19.08	19.13	18.98	
5	256QAM	25	0	19.25	19.32	18.98	Tune-up limit (dBm)
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)
3	QPSK	1	0	24.43	24.49	24.35	
3	QPSK	1	8	24.23	24.17	24.30	25.3
3	QPSK	1	14	24.27	24.18	24.14	
3	QPSK	8	0	23.56	23.39	23.47	
3	QPSK	8	4	23.37	23.23	23.41	24.3
3	QPSK	8	7	23.40	23.38	23.38	
3	QPSK	15	0	23.48	23.40	23.30	
3	16QAM	1	0	23.64	23.71	23.72	24.3
3	16QAM	1	8	23.67	23.74	23.57	
3	16QAM	1	14	23.63	23.48	23.50	
3	16QAM	8	0	22.49	22.30	22.44	23.3
3	16QAM	8	4	22.36	22.35	22.32	
3	16QAM	8	7	22.43	22.37	22.25	
3	16QAM	15	0	22.39	22.32	22.33	23.3
3	64QAM	1	0	22.46	22.57	22.48	
3	64QAM	1	8	22.52	22.37	22.39	
3	64QAM	1	14	22.40	22.42	22.36	22.3
3	64QAM	8	0	21.40	21.38	21.32	
3	64QAM	8	4	21.40	21.38	21.42	
3	64QAM	8	7	21.34	21.30	21.30	20.3
3	64QAM	15	0	21.41	21.28	21.23	
3	256QAM	1	0	19.28	19.44	19.29	
3	256QAM	1	8	19.22	19.43	19.05	20.3
3	256QAM	1	14	19.12	19.36	19.19	
3	256QAM	8	0	19.10	19.19	19.18	
3	256QAM	8	4	19.13	19.08	18.90	20.3
3	256QAM	8	7	19.05	19.16	18.96	
3	256QAM	15	0	19.11	19.16	19.12	



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Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	24.49	24.43	24.47	25.3
1.4	QPSK	1	3	24.32	24.09	24.24	
1.4	QPSK	1	5	24.41	24.27	24.21	
1.4	QPSK	3	0	24.37	24.48	24.42	
1.4	QPSK	3	1	24.34	24.13	24.21	
1.4	QPSK	3	3	24.37	24.29	24.25	
1.4	QPSK	6	0	23.39	23.49	23.44	24.3
1.4	16QAM	1	0	23.44	23.32	23.25	24.3
1.4	16QAM	1	3	23.37	23.40	23.35	
1.4	16QAM	1	5	23.34	23.33	23.35	
1.4	16QAM	3	0	23.64	23.66	23.79	
1.4	16QAM	3	1	23.65	23.65	23.69	
1.4	16QAM	3	3	23.56	23.46	23.39	
1.4	16QAM	6	0	22.30	22.37	22.34	23.3
1.4	64QAM	1	0	22.42	22.22	22.32	23.3
1.4	64QAM	1	3	22.27	22.28	22.30	
1.4	64QAM	1	5	22.41	22.29	22.46	
1.4	64QAM	3	0	22.54	22.56	22.65	
1.4	64QAM	3	1	22.54	22.38	22.46	
1.4	64QAM	3	3	22.55	22.56	22.27	
1.4	64QAM	6	0	21.32	21.31	21.44	22.3
1.4	256QAM	1	0	19.24	19.43	19.34	20.3
1.4	256QAM	1	3	19.23	19.27	19.06	
1.4	256QAM	1	5	19.14	19.38	19.06	
1.4	256QAM	3	0	19.06	19.27	19.18	
1.4	256QAM	3	1	19.11	19.25	18.93	
1.4	256QAM	3	3	19.06	19.31	19.06	
1.4	256QAM	6	0	19.13	19.17	19.08	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.46	24.34	24.28	
15	QPSK	1	37	24.22	24.05	24.02	25.3
15	QPSK	1	74	24.26	24.14	24.11	
15	QPSK	36	0	23.36	23.31	23.23	
15	QPSK	36	20	23.34	23.27	23.19	24.3
15	QPSK	36	39	23.31	23.24	23.17	
15	QPSK	75	0	23.32	23.32	23.29	
15	16QAM	1	0	23.73	23.68	23.64	24.3
15	16QAM	1	37	23.57	23.54	23.53	
15	16QAM	1	74	23.51	23.38	23.33	
15	16QAM	36	0	22.34	22.31	22.27	23.3
15	16QAM	36	20	22.29	22.28	22.18	
15	16QAM	36	39	22.30	22.21	22.17	
15	16QAM	75	0	22.34	22.27	22.23	23.3
15	64QAM	1	0	22.46	22.49	22.43	
15	64QAM	1	37	22.47	22.41	22.28	
15	64QAM	1	74	22.45	22.33	22.26	22.3
15	64QAM	36	0	21.34	21.31	21.24	
15	64QAM	36	20	21.33	21.26	21.16	
15	64QAM	36	39	21.26	21.15	21.11	20.3
15	64QAM	75	0	21.21	21.15	21.17	
15	256QAM	1	0	19.50	19.45	19.42	
15	256QAM	1	37	19.39	19.41	19.37	20.3
15	256QAM	1	74	19.31	19.34	19.28	
15	256QAM	36	0	19.31	19.31	19.23	20.3
15	256QAM	36	20	19.15	19.20	19.14	
15	256QAM	36	39	19.20	19.25	19.15	
15	256QAM	75	0	19.19	19.20	19.17	Tune-up limit (dBm)
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.28	24.30	24.11	25.3
10	QPSK	1	25	24.09	24.00	23.99	
10	QPSK	1	49	24.11	23.96	24.10	
10	QPSK	25	0	23.22	23.13	23.17	24.3
10	QPSK	25	12	23.25	23.16	23.17	
10	QPSK	25	25	23.17	23.05	23.03	
10	QPSK	50	0	23.28	23.30	23.18	24.3
10	16QAM	1	0	23.58	23.56	23.55	
10	16QAM	1	25	23.57	23.37	23.42	
10	16QAM	1	49	23.38	23.20	23.28	23.3
10	16QAM	25	0	22.29	22.16	22.26	
10	16QAM	25	12	22.28	22.21	22.14	
10	16QAM	25	25	22.27	22.06	22.07	23.3
10	16QAM	50	0	22.34	22.07	22.21	
10	64QAM	1	0	22.28	22.33	22.23	
10	64QAM	1	25	22.31	22.27	22.27	23.3
10	64QAM	1	49	22.25	22.30	22.24	
10	64QAM	25	0	21.34	21.22	21.09	22.3
10	64QAM	25	12	21.21	21.14	21.05	
10	64QAM	25	25	21.26	20.99	21.06	
10	64QAM	50	0	21.06	21.07	21.13	20.3
10	256QAM	1	0	19.34	19.33	19.27	
10	256QAM	1	25	19.29	19.40	19.30	
10	256QAM	1	49	19.29	19.16	19.20	20.3
10	256QAM	25	0	19.30	19.31	19.21	
10	256QAM	25	12	19.13	19.09	19.02	



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10	256QAM	25	25	19.12	19.06	18.99	Tune-up limit (dBm)
10	256QAM	50	0	19.04	19.05	18.99	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.38	24.25	24.13	25.3
5	QPSK	1	12	24.13	23.92	23.93	
5	QPSK	1	24	24.08	24.09	23.95	
5	QPSK	12	0	23.28	23.16	23.09	24.3
5	QPSK	12	7	23.25	23.16	23.18	
5	QPSK	12	13	23.17	23.17	23.14	
5	QPSK	25	0	23.13	23.17	23.25	
5	16QAM	1	0	23.55	23.63	23.50	24.3
5	16QAM	1	12	23.41	23.36	23.39	
5	16QAM	1	24	23.40	23.18	23.28	
5	16QAM	12	0	22.32	22.28	22.16	23.3
5	16QAM	12	7	22.13	22.26	22.14	
5	16QAM	12	13	22.23	22.02	22.07	
5	16QAM	25	0	22.26	22.26	22.07	
5	64QAM	1	0	22.28	22.39	22.29	23.3
5	64QAM	1	12	22.31	22.40	22.21	
5	64QAM	1	24	22.40	22.25	22.12	
5	64QAM	12	0	21.24	21.18	21.04	22.3
5	64QAM	12	7	21.17	21.17	21.09	
5	64QAM	12	13	21.23	21.09	20.92	
5	64QAM	25	0	21.10	21.14	21.04	
5	256QAM	1	0	19.30	19.26	19.22	20.3
5	256QAM	1	12	19.34	19.38	19.19	
5	256QAM	1	24	19.13	19.32	19.19	
5	256QAM	12	0	19.18	19.17	19.09	20.3
5	256QAM	12	7	19.11	19.16	19.03	
5	256QAM	12	13	19.06	19.15	19.10	
5	256QAM	25	0	19.15	19.04	19.01	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.45	24.15	24.08	25.3
3	QPSK	1	8	24.20	24.05	23.96	
3	QPSK	1	14	24.25	24.02	24.05	
3	QPSK	8	0	23.19	23.12	23.11	24.3
3	QPSK	8	4	23.32	23.19	23.05	
3	QPSK	8	7	23.20	23.14	23.11	
3	QPSK	15	0	23.29	23.14	23.15	
3	16QAM	1	0	23.72	23.50	23.45	24.3
3	16QAM	1	8	23.45	23.38	23.48	
3	16QAM	1	14	23.34	23.33	23.21	
3	16QAM	8	0	22.20	22.16	22.16	23.3
3	16QAM	8	4	22.22	22.14	22.10	
3	16QAM	8	7	22.11	22.10	22.02	
3	16QAM	15	0	22.22	22.14	22.22	
3	64QAM	1	0	22.37	22.35	22.35	23.3
3	64QAM	1	8	22.38	22.28	22.10	
3	64QAM	1	14	22.32	22.32	22.26	
3	64QAM	8	0	21.32	21.20	21.17	22.3
3	64QAM	8	4	21.20	21.21	21.07	
3	64QAM	8	7	21.07	21.04	21.09	
3	64QAM	15	0	21.15	20.97	21.12	
3	256QAM	1	0	19.39	19.39	19.30	20.3
3	256QAM	1	8	19.38	19.34	19.35	
3	256QAM	1	14	19.21	19.18	19.18	
3	256QAM	8	0	19.14	19.20	19.20	20.3
3	256QAM	8	4	19.15	19.03	19.08	
3	256QAM	8	7	19.02	19.23	19.05	
3	256QAM	15	0	19.13	19.17	19.00	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.31	24.34	24.23	25.3
1.4	QPSK	1	3	24.06	23.89	23.89	
1.4	QPSK	1	5	24.21	24.03	24.02	
1.4	QPSK	3	0	24.28	24.22	24.16	
1.4	QPSK	3	1	24.19	23.85	23.92	
1.4	QPSK	3	3	24.15	24.07	23.91	
1.4	QPSK	6	0	23.16	23.28	23.23	24.3
1.4	16QAM	1	0	23.32	23.27	23.19	24.3
1.4	16QAM	1	3	23.20	23.20	23.12	
1.4	16QAM	1	5	23.20	23.26	23.11	
1.4	16QAM	3	0	23.71	23.55	23.55	
1.4	16QAM	3	1	23.46	23.41	23.48	
1.4	16QAM	3	3	23.43	23.18	23.24	
1.4	16QAM	6	0	22.22	22.13	22.16	23.3
1.4	64QAM	1	0	22.09	22.23	22.12	23.3
1.4	64QAM	1	3	22.19	22.19	22.16	
1.4	64QAM	1	5	22.21	22.18	22.10	
1.4	64QAM	3	0	22.44	22.48	22.33	
1.4	64QAM	3	1	22.31	22.35	22.22	
1.4	64QAM	3	3	22.32	22.30	22.22	
1.4	64QAM	6	0	21.16	21.18	21.14	22.3
1.4	256QAM	1	0	19.48	19.39	19.39	20.3
1.4	256QAM	1	3	19.20	19.26	19.25	
1.4	256QAM	1	5	19.23	19.23	19.15	
1.4	256QAM	3	0	19.21	19.16	19.19	
1.4	256QAM	3	1	19.15	19.01	19.09	
1.4	256QAM	3	3	19.07	19.06	19.13	
1.4	256QAM	6	0	19.02	19.16	19.00	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.57	24.49	25.3
15	QPSK	1	37	24.36	24.29	24.34	
15	QPSK	1	74	24.47	24.37	24.31	
15	QPSK	36	0	23.55	23.56	23.50	24.3
15	QPSK	36	20	23.50	23.42	23.44	
15	QPSK	36	39	23.48	23.45	23.40	
15	QPSK	75	0	23.51	23.53	23.47	
15	16QAM	1	0	23.71	23.81	23.85	24.3
15	16QAM	1	37	23.78	23.80	23.73	
15	16QAM	1	74	23.68	23.66	23.54	
15	16QAM	36	0	22.49	22.50	22.47	23.3
15	16QAM	36	20	22.44	22.41	22.44	
15	16QAM	36	39	22.46	22.37	22.38	
15	16QAM	75	0	22.48	22.43	22.46	
15	64QAM	1	0	22.56	22.58	22.65	23.3
15	64QAM	1	37	22.68	22.49	22.56	
15	64QAM	1	74	22.58	22.57	22.43	
15	64QAM	36	0	21.47	21.46	21.44	22.3
15	64QAM	36	20	21.47	21.41	21.42	
15	64QAM	36	39	21.44	21.39	21.39	
15	64QAM	75	0	21.42	21.40	21.38	
15	256QAM	1	0	19.44	19.50	19.38	20.3
15	256QAM	1	37	19.28	19.44	19.22	
15	256QAM	1	74	19.29	19.38	19.23	
15	256QAM	36	0	19.20	19.36	19.20	20.3
15	256QAM	36	20	19.16	19.28	19.09	
15	256QAM	36	39	19.20	19.31	19.13	
15	256QAM	75	0	19.26	19.34	19.16	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.38	24.47	24.29	25.3
10	QPSK	1	25	24.18	24.16	24.29	
10	QPSK	1	49	24.27	24.32	24.23	
10	QPSK	25	0	23.52	23.50	23.49	24.3
10	QPSK	25	12	23.30	23.27	23.36	
10	QPSK	25	25	23.48	23.45	23.32	
10	QPSK	50	0	23.34	23.47	23.27	
10	16QAM	1	0	23.52	23.81	23.75	24.3
10	16QAM	1	25	23.62	23.77	23.56	
10	16QAM	1	49	23.61	23.51	23.46	
10	16QAM	25	0	22.36	22.44	22.40	23.3
10	16QAM	25	12	22.44	22.40	22.39	
10	16QAM	25	25	22.27	22.36	22.30	
10	16QAM	50	0	22.38	22.30	22.34	
10	64QAM	1	0	22.56	22.47	22.65	23.3
10	64QAM	1	25	22.63	22.33	22.47	
10	64QAM	1	49	22.57	22.42	22.31	
10	64QAM	25	0	21.27	21.26	21.37	22.3
10	64QAM	25	12	21.31	21.24	21.28	
10	64QAM	25	25	21.31	21.34	21.21	
10	64QAM	50	0	21.24	21.29	21.29	
10	256QAM	1	0	19.30	19.41	19.32	20.3
10	256QAM	1	25	19.08	19.36	19.06	
10	256QAM	1	49	19.22	19.20	19.18	
10	256QAM	25	0	19.00	19.24	19.04	20.3
10	256QAM	25	12	19.02	19.23	19.04	



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10	256QAM	25	25	19.02	19.26	19.04	Tune-up limit (dBm)
10	256QAM	50	0	19.10	19.16	19.10	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.37	24.45	24.41	25.3
5	QPSK	1	12	24.29	24.20	24.27	
5	QPSK	1	24	24.46	24.24	24.15	
5	QPSK	12	0	23.45	23.40	23.46	24.3
5	QPSK	12	7	23.49	23.38	23.38	
5	QPSK	12	13	23.29	23.35	23.21	
5	QPSK	25	0	23.35	23.36	23.47	
5	16QAM	1	0	23.62	23.64	23.70	24.3
5	16QAM	1	12	23.72	23.66	23.59	
5	16QAM	1	24	23.67	23.63	23.52	
5	16QAM	12	0	22.35	22.41	22.35	23.3
5	16QAM	12	7	22.36	22.36	22.44	
5	16QAM	12	13	22.39	22.19	22.21	
5	16QAM	25	0	22.32	22.27	22.35	
5	64QAM	1	0	22.46	22.42	22.49	23.3
5	64QAM	1	12	22.58	22.32	22.37	
5	64QAM	1	24	22.41	22.42	22.35	
5	64QAM	12	0	21.28	21.31	21.24	22.3
5	64QAM	12	7	21.31	21.39	21.39	
5	64QAM	12	13	21.31	21.19	21.25	
5	64QAM	25	0	21.27	21.23	21.19	
5	256QAM	1	0	19.29	19.43	19.34	20.3
5	256QAM	1	12	19.18	19.32	19.05	
5	256QAM	1	24	19.25	19.20	19.13	
5	256QAM	12	0	19.12	19.28	19.05	20.3
5	256QAM	12	7	19.00	19.09	19.07	
5	256QAM	12	13	19.08	19.13	18.98	
5	256QAM	25	0	19.25	19.32	18.98	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.43	24.49	24.35	25.3
3	QPSK	1	8	24.23	24.17	24.30	
3	QPSK	1	14	24.27	24.18	24.14	
3	QPSK	8	0	23.56	23.39	23.47	24.3
3	QPSK	8	4	23.37	23.23	23.41	
3	QPSK	8	7	23.40	23.38	23.38	
3	QPSK	15	0	23.48	23.40	23.30	
3	16QAM	1	0	23.64	23.71	23.72	24.3
3	16QAM	1	8	23.67	23.74	23.57	
3	16QAM	1	14	23.63	23.48	23.50	
3	16QAM	8	0	22.49	22.30	22.44	23.3
3	16QAM	8	4	22.36	22.35	22.32	
3	16QAM	8	7	22.43	22.37	22.25	
3	16QAM	15	0	22.39	22.32	22.33	
3	64QAM	1	0	22.46	22.57	22.48	23.3
3	64QAM	1	8	22.52	22.37	22.39	
3	64QAM	1	14	22.40	22.42	22.36	
3	64QAM	8	0	21.40	21.38	21.32	22.3
3	64QAM	8	4	21.40	21.38	21.42	
3	64QAM	8	7	21.34	21.30	21.30	
3	64QAM	15	0	21.41	21.28	21.23	
3	256QAM	1	0	19.28	19.44	19.29	20.3
3	256QAM	1	8	19.22	19.43	19.05	
3	256QAM	1	14	19.12	19.36	19.19	
3	256QAM	8	0	19.10	19.19	19.18	20.3
3	256QAM	8	4	19.13	19.08	18.90	
3	256QAM	8	7	19.05	19.16	18.96	
3	256QAM	15	0	19.11	19.16	19.12	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.49	24.43	24.47	25.3
1.4	QPSK	1	3	24.32	24.09	24.24	
1.4	QPSK	1	5	24.41	24.27	24.21	
1.4	QPSK	3	0	24.37	24.48	24.42	
1.4	QPSK	3	1	24.34	24.13	24.21	
1.4	QPSK	3	3	24.37	24.29	24.25	
1.4	QPSK	6	0	23.39	23.49	23.44	24.3
1.4	16QAM	1	0	23.44	23.32	23.25	24.3
1.4	16QAM	1	3	23.37	23.40	23.35	
1.4	16QAM	1	5	23.34	23.33	23.35	
1.4	16QAM	3	0	23.64	23.66	23.79	
1.4	16QAM	3	1	23.65	23.65	23.69	
1.4	16QAM	3	3	23.56	23.46	23.39	
1.4	16QAM	6	0	22.30	22.37	22.34	23.3
1.4	64QAM	1	0	22.42	22.22	22.32	23.3
1.4	64QAM	1	3	22.27	22.28	22.30	
1.4	64QAM	1	5	22.41	22.29	22.46	
1.4	64QAM	3	0	22.54	22.56	22.65	
1.4	64QAM	3	1	22.54	22.38	22.46	
1.4	64QAM	3	3	22.55	22.56	22.27	
1.4	64QAM	6	0	21.32	21.31	21.44	22.3
1.4	256QAM	1	0	19.24	19.43	19.34	20.3
1.4	256QAM	1	3	19.23	19.27	19.06	
1.4	256QAM	1	5	19.14	19.38	19.06	
1.4	256QAM	3	0	19.06	19.27	19.18	
1.4	256QAM	3	1	19.11	19.25	18.93	
1.4	256QAM	3	3	19.06	19.31	19.06	
1.4	256QAM	6	0	19.13	19.17	19.08	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.46	24.34	24.28	25.3
15	QPSK	1	37	24.22	24.05	24.02	
15	QPSK	1	74	24.26	24.14	24.11	
15	QPSK	36	0	23.36	23.31	23.23	24.3
15	QPSK	36	20	23.34	23.27	23.19	
15	QPSK	36	39	23.31	23.24	23.17	
15	QPSK	75	0	23.32	23.32	23.29	
15	16QAM	1	0	23.73	23.68	23.64	24.3
15	16QAM	1	37	23.57	23.54	23.53	
15	16QAM	1	74	23.51	23.38	23.33	
15	16QAM	36	0	22.34	22.31	22.27	23.3
15	16QAM	36	20	22.29	22.28	22.18	
15	16QAM	36	39	22.30	22.21	22.17	
15	16QAM	75	0	22.34	22.27	22.23	
15	64QAM	1	0	22.46	22.49	22.43	23.3
15	64QAM	1	37	22.47	22.41	22.28	
15	64QAM	1	74	22.45	22.33	22.26	
15	64QAM	36	0	21.34	21.31	21.24	22.3
15	64QAM	36	20	21.33	21.26	21.16	
15	64QAM	36	39	21.26	21.15	21.11	
15	64QAM	75	0	21.21	21.15	21.17	
15	256QAM	1	0	19.50	19.45	19.42	20.3
15	256QAM	1	37	19.39	19.41	19.37	
15	256QAM	1	74	19.31	19.34	19.28	
15	256QAM	36	0	19.31	19.31	19.23	20.3
15	256QAM	36	20	19.15	19.20	19.14	
15	256QAM	36	39	19.20	19.25	19.15	
15	256QAM	75	0	19.19	19.20	19.17	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.28	24.30	24.11	25.3
10	QPSK	1	25	24.09	24.00	23.99	
10	QPSK	1	49	24.11	23.96	24.10	
10	QPSK	25	0	23.22	23.13	23.17	24.3
10	QPSK	25	12	23.25	23.16	23.17	
10	QPSK	25	25	23.17	23.05	23.03	
10	QPSK	50	0	23.28	23.30	23.18	
10	16QAM	1	0	23.58	23.56	23.55	24.3
10	16QAM	1	25	23.57	23.37	23.42	
10	16QAM	1	49	23.38	23.20	23.28	
10	16QAM	25	0	22.29	22.16	22.26	23.3
10	16QAM	25	12	22.28	22.21	22.14	
10	16QAM	25	25	22.27	22.06	22.07	
10	16QAM	50	0	22.34	22.07	22.21	
10	64QAM	1	0	22.28	22.33	22.23	23.3
10	64QAM	1	25	22.31	22.27	22.27	
10	64QAM	1	49	22.25	22.30	22.24	
10	64QAM	25	0	21.34	21.22	21.09	22.3
10	64QAM	25	12	21.21	21.14	21.05	
10	64QAM	25	25	21.26	20.99	21.06	
10	64QAM	50	0	21.06	21.07	21.13	
10	256QAM	1	0	19.34	19.33	19.27	20.3
10	256QAM	1	25	19.29	19.40	19.30	
10	256QAM	1	49	19.29	19.16	19.20	
10	256QAM	25	0	19.30	19.31	19.21	20.3
10	256QAM	25	12	19.13	19.09	19.02	



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10	256QAM	25	25	19.12	19.06	18.99	Tune-up limit (dBm)
10	256QAM	50	0	19.04	19.05	18.99	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.38	24.25	24.13	25.3
5	QPSK	1	12	24.13	23.92	23.93	
5	QPSK	1	24	24.08	24.09	23.95	
5	QPSK	12	0	23.28	23.16	23.09	24.3
5	QPSK	12	7	23.25	23.16	23.18	
5	QPSK	12	13	23.17	23.17	23.14	
5	QPSK	25	0	23.13	23.17	23.25	
5	16QAM	1	0	23.55	23.63	23.50	24.3
5	16QAM	1	12	23.41	23.36	23.39	
5	16QAM	1	24	23.40	23.18	23.28	
5	16QAM	12	0	22.32	22.28	22.16	23.3
5	16QAM	12	7	22.13	22.26	22.14	
5	16QAM	12	13	22.23	22.02	22.07	
5	16QAM	25	0	22.26	22.26	22.07	
5	64QAM	1	0	22.28	22.39	22.29	23.3
5	64QAM	1	12	22.31	22.40	22.21	
5	64QAM	1	24	22.40	22.25	22.12	
5	64QAM	12	0	21.24	21.18	21.04	22.3
5	64QAM	12	7	21.17	21.17	21.09	
5	64QAM	12	13	21.23	21.09	20.92	
5	64QAM	25	0	21.10	21.14	21.04	
5	256QAM	1	0	19.30	19.26	19.22	20.3
5	256QAM	1	12	19.34	19.38	19.19	
5	256QAM	1	24	19.13	19.32	19.19	
5	256QAM	12	0	19.18	19.17	19.09	20.3
5	256QAM	12	7	19.11	19.16	19.03	
5	256QAM	12	13	19.06	19.15	19.10	
5	256QAM	25	0	19.15	19.04	19.01	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.45	24.15	24.08	25.3
3	QPSK	1	8	24.20	24.05	23.96	
3	QPSK	1	14	24.25	24.02	24.05	
3	QPSK	8	0	23.19	23.12	23.11	24.3
3	QPSK	8	4	23.32	23.19	23.05	
3	QPSK	8	7	23.20	23.14	23.11	
3	QPSK	15	0	23.29	23.14	23.15	
3	16QAM	1	0	23.72	23.50	23.45	24.3
3	16QAM	1	8	23.45	23.38	23.48	
3	16QAM	1	14	23.34	23.33	23.21	
3	16QAM	8	0	22.20	22.16	22.16	23.3
3	16QAM	8	4	22.22	22.14	22.10	
3	16QAM	8	7	22.11	22.10	22.02	
3	16QAM	15	0	22.22	22.14	22.22	
3	64QAM	1	0	22.37	22.35	22.35	23.3
3	64QAM	1	8	22.38	22.28	22.10	
3	64QAM	1	14	22.32	22.32	22.26	
3	64QAM	8	0	21.32	21.20	21.17	22.3
3	64QAM	8	4	21.20	21.21	21.07	
3	64QAM	8	7	21.07	21.04	21.09	
3	64QAM	15	0	21.15	20.97	21.12	
3	256QAM	1	0	19.39	19.39	19.30	20.3
3	256QAM	1	8	19.38	19.34	19.35	
3	256QAM	1	14	19.21	19.18	19.18	
3	256QAM	8	0	19.14	19.20	19.20	20.3
3	256QAM	8	4	19.15	19.03	19.08	
3	256QAM	8	7	19.02	19.23	19.05	
3	256QAM	15	0	19.13	19.17	19.00	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.31	24.34	24.23	25.3
1.4	QPSK	1	3	24.06	23.89	23.89	
1.4	QPSK	1	5	24.21	24.03	24.02	
1.4	QPSK	3	0	24.28	24.22	24.16	
1.4	QPSK	3	1	24.19	23.85	23.92	
1.4	QPSK	3	3	24.15	24.07	23.91	
1.4	QPSK	6	0	23.16	23.28	23.23	24.3
1.4	16QAM	1	0	23.32	23.27	23.19	24.3
1.4	16QAM	1	3	23.20	23.20	23.12	
1.4	16QAM	1	5	23.20	23.26	23.11	
1.4	16QAM	3	0	23.71	23.55	23.55	
1.4	16QAM	3	1	23.46	23.41	23.48	
1.4	16QAM	3	3	23.43	23.18	23.24	
1.4	16QAM	6	0	22.22	22.13	22.16	23.3
1.4	64QAM	1	0	22.09	22.23	22.12	23.3
1.4	64QAM	1	3	22.19	22.19	22.16	
1.4	64QAM	1	5	22.21	22.18	22.10	
1.4	64QAM	3	0	22.44	22.48	22.33	
1.4	64QAM	3	1	22.31	22.35	22.22	
1.4	64QAM	3	3	22.32	22.30	22.22	
1.4	64QAM	6	0	21.16	21.18	21.14	22.3
1.4	256QAM	1	0	19.48	19.39	19.39	20.3
1.4	256QAM	1	3	19.20	19.26	19.25	
1.4	256QAM	1	5	19.23	19.23	19.15	
1.4	256QAM	3	0	19.21	19.16	19.19	
1.4	256QAM	3	1	19.15	19.01	19.09	
1.4	256QAM	3	3	19.07	19.06	19.13	
1.4	256QAM	6	0	19.02	19.16	19.00	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.57	24.49	25.3
15	QPSK	1	37	24.36	24.29	24.34	
15	QPSK	1	74	24.47	24.37	24.31	
15	QPSK	36	0	23.56	23.52	23.50	24.3
15	QPSK	36	20	23.50	23.42	23.44	
15	QPSK	36	39	23.48	23.45	23.40	
15	QPSK	75	0	23.51	23.53	23.47	
15	16QAM	1	0	23.71	23.81	23.85	24.3
15	16QAM	1	37	23.78	23.80	23.73	
15	16QAM	1	74	23.68	23.66	23.54	
15	16QAM	36	0	22.49	22.50	22.47	23.3
15	16QAM	36	20	22.44	22.41	22.44	
15	16QAM	36	39	22.46	22.37	22.38	
15	16QAM	75	0	22.48	22.43	22.46	
15	64QAM	1	0	22.56	22.58	22.65	23.3
15	64QAM	1	37	22.68	22.49	22.56	
15	64QAM	1	74	22.58	22.57	22.43	
15	64QAM	36	0	21.47	21.46	21.44	22.3
15	64QAM	36	20	21.47	21.41	21.42	
15	64QAM	36	39	21.44	21.39	21.39	
15	64QAM	75	0	21.42	21.40	21.38	
15	256QAM	1	0	19.44	19.50	19.38	20.3
15	256QAM	1	37	19.28	19.44	19.22	
15	256QAM	1	74	19.29	19.38	19.23	
15	256QAM	36	0	19.20	19.36	19.20	20.3
15	256QAM	36	20	19.16	19.28	19.09	
15	256QAM	36	39	19.20	19.31	19.13	
15	256QAM	75	0	19.26	19.34	19.16	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.38	24.47	24.29	25.3
10	QPSK	1	25	24.18	24.16	24.29	
10	QPSK	1	49	24.27	24.32	24.23	
10	QPSK	25	0	23.52	23.50	23.49	24.3
10	QPSK	25	12	23.30	23.27	23.36	
10	QPSK	25	25	23.48	23.45	23.32	
10	QPSK	50	0	23.34	23.47	23.27	
10	16QAM	1	0	23.52	23.81	23.75	24.3
10	16QAM	1	25	23.62	23.77	23.56	
10	16QAM	1	49	23.61	23.51	23.46	
10	16QAM	25	0	22.36	22.44	22.40	23.3
10	16QAM	25	12	22.44	22.40	22.39	
10	16QAM	25	25	22.27	22.36	22.30	
10	16QAM	50	0	22.38	22.30	22.34	
10	64QAM	1	0	22.56	22.47	22.65	23.3
10	64QAM	1	25	22.63	22.33	22.47	
10	64QAM	1	49	22.57	22.42	22.31	
10	64QAM	25	0	21.27	21.26	21.37	22.3
10	64QAM	25	12	21.31	21.24	21.28	
10	64QAM	25	25	21.31	21.34	21.21	
10	64QAM	50	0	21.24	21.29	21.29	
10	256QAM	1	0	19.30	19.41	19.32	20.3
10	256QAM	1	25	19.08	19.36	19.06	
10	256QAM	1	49	19.22	19.20	19.18	
10	256QAM	25	0	19.00	19.24	19.04	20.3
10	256QAM	25	12	19.02	19.23	19.04	



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10	256QAM	25	25	19.02	19.26	19.04	Tune-up limit (dBm)
10	256QAM	50	0	19.10	19.16	19.10	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.37	24.45	24.41	25.3
5	QPSK	1	12	24.29	24.20	24.27	
5	QPSK	1	24	24.46	24.24	24.15	
5	QPSK	12	0	23.45	23.40	23.46	24.3
5	QPSK	12	7	23.49	23.38	23.38	
5	QPSK	12	13	23.29	23.35	23.21	
5	QPSK	25	0	23.35	23.36	23.47	
5	16QAM	1	0	23.62	23.64	23.70	24.3
5	16QAM	1	12	23.72	23.66	23.59	
5	16QAM	1	24	23.67	23.63	23.52	
5	16QAM	12	0	22.35	22.41	22.35	23.3
5	16QAM	12	7	22.36	22.36	22.44	
5	16QAM	12	13	22.39	22.19	22.21	
5	16QAM	25	0	22.32	22.27	22.35	
5	64QAM	1	0	22.46	22.42	22.49	23.3
5	64QAM	1	12	22.58	22.32	22.37	
5	64QAM	1	24	22.41	22.42	22.35	
5	64QAM	12	0	21.28	21.31	21.24	22.3
5	64QAM	12	7	21.31	21.39	21.39	
5	64QAM	12	13	21.31	21.19	21.25	
5	64QAM	25	0	21.27	21.23	21.19	
5	256QAM	1	0	19.29	19.43	19.34	20.3
5	256QAM	1	12	19.18	19.32	19.05	
5	256QAM	1	24	19.25	19.20	19.13	
5	256QAM	12	0	19.12	19.28	19.05	20.3
5	256QAM	12	7	19.00	19.09	19.07	
5	256QAM	12	13	19.08	19.13	18.98	
5	256QAM	25	0	19.25	19.32	18.98	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.43	24.49	24.35	25.3
3	QPSK	1	8	24.23	24.17	24.30	
3	QPSK	1	14	24.27	24.18	24.14	
3	QPSK	8	0	23.56	23.39	23.47	24.3
3	QPSK	8	4	23.37	23.23	23.41	
3	QPSK	8	7	23.40	23.38	23.38	
3	QPSK	15	0	23.48	23.40	23.30	
3	16QAM	1	0	23.64	23.71	23.72	24.3
3	16QAM	1	8	23.67	23.74	23.57	
3	16QAM	1	14	23.63	23.48	23.50	
3	16QAM	8	0	22.49	22.30	22.44	23.3
3	16QAM	8	4	22.36	22.35	22.32	
3	16QAM	8	7	22.43	22.37	22.25	
3	16QAM	15	0	22.39	22.32	22.33	
3	64QAM	1	0	22.46	22.57	22.48	23.3
3	64QAM	1	8	22.52	22.37	22.39	
3	64QAM	1	14	22.40	22.42	22.36	
3	64QAM	8	0	21.40	21.38	21.32	22.3
3	64QAM	8	4	21.40	21.38	21.42	
3	64QAM	8	7	21.34	21.30	21.30	
3	64QAM	15	0	21.41	21.28	21.23	
3	256QAM	1	0	19.28	19.44	19.29	20.3
3	256QAM	1	8	19.22	19.43	19.05	
3	256QAM	1	14	19.12	19.36	19.19	
3	256QAM	8	0	19.10	19.19	19.18	20.3
3	256QAM	8	4	19.13	19.08	18.90	
3	256QAM	8	7	19.05	19.16	18.96	
3	256QAM	15	0	19.11	19.16	19.12	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.49	24.43	24.47	25.3
1.4	QPSK	1	3	24.32	24.09	24.24	
1.4	QPSK	1	5	24.41	24.27	24.21	
1.4	QPSK	3	0	24.37	24.48	24.42	
1.4	QPSK	3	1	24.34	24.13	24.21	
1.4	QPSK	3	3	24.37	24.29	24.25	
1.4	QPSK	6	0	23.39	23.49	23.44	24.3
1.4	16QAM	1	0	23.44	23.32	23.25	24.3
1.4	16QAM	1	3	23.37	23.40	23.35	
1.4	16QAM	1	5	23.34	23.33	23.35	
1.4	16QAM	3	0	23.64	23.66	23.79	
1.4	16QAM	3	1	23.65	23.65	23.69	
1.4	16QAM	3	3	23.56	23.46	23.39	
1.4	16QAM	6	0	22.30	22.37	22.34	23.3
1.4	64QAM	1	0	22.42	22.22	22.32	23.3
1.4	64QAM	1	3	22.27	22.28	22.30	
1.4	64QAM	1	5	22.41	22.29	22.46	
1.4	64QAM	3	0	22.54	22.56	22.65	
1.4	64QAM	3	1	22.54	22.38	22.46	
1.4	64QAM	3	3	22.55	22.56	22.27	
1.4	64QAM	6	0	21.32	21.31	21.44	22.3
1.4	256QAM	1	0	19.24	19.43	19.34	20.3
1.4	256QAM	1	3	19.23	19.27	19.06	
1.4	256QAM	1	5	19.14	19.38	19.06	
1.4	256QAM	3	0	19.06	19.27	19.18	
1.4	256QAM	3	1	19.11	19.25	18.93	
1.4	256QAM	3	3	19.06	19.31	19.06	
1.4	256QAM	6	0	19.13	19.17	19.08	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.69	23.67	23.52	
15	QPSK	1	37	23.45	23.31	23.28	23.8
15	QPSK	1	74	23.52	23.38	23.25	
15	QPSK	36	0	23.55	23.37	23.34	
15	QPSK	36	20	23.36	23.29	23.23	23.8
15	QPSK	36	39	23.31	23.24	23.18	
15	QPSK	75	0	23.38	23.28	23.27	
15	16QAM	1	0	23.62	23.63	23.58	23.8
15	16QAM	1	37	23.61	23.54	23.66	
15	16QAM	1	74	23.48	23.36	23.20	
15	16QAM	36	0	22.39	22.41	22.34	23.3
15	16QAM	36	20	22.36	22.34	22.23	
15	16QAM	36	39	22.32	22.25	22.21	
15	16QAM	75	0	22.39	22.35	22.28	23.3
15	64QAM	1	0	22.50	22.53	22.45	
15	64QAM	1	37	22.43	22.33	22.51	
15	64QAM	1	74	22.44	22.48	22.10	22.3
15	64QAM	36	0	21.36	21.36	21.28	
15	64QAM	36	20	21.39	21.28	21.20	
15	64QAM	36	39	21.27	21.18	21.14	20.3
15	64QAM	75	0	21.32	21.15	21.19	
15	256QAM	1	0	19.40	19.44	19.27	
15	256QAM	1	37	19.28	19.36	19.31	20.3
15	256QAM	1	74	19.14	19.29	19.21	
15	256QAM	36	0	19.16	19.18	19.06	20.3
15	256QAM	36	20	19.09	19.01	18.97	
15	256QAM	36	39	19.13	19.06	18.97	
15	256QAM	75	0	19.18	19.17	19.13	Tune-up limit (dBm)
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.55	23.62	23.43	23.8
10	QPSK	1	25	23.32	23.14	23.19	
10	QPSK	1	49	23.49	23.20	23.25	
10	QPSK	25	0	23.50	23.28	23.29	23.8
10	QPSK	25	12	23.36	23.15	23.23	
10	QPSK	25	25	23.29	23.19	23.16	
10	QPSK	50	0	23.21	23.08	23.22	23.8
10	16QAM	1	0	23.46	23.62	23.39	
10	16QAM	1	25	23.53	23.47	23.64	
10	16QAM	1	49	23.45	23.29	23.14	23.3
10	16QAM	25	0	22.19	22.22	22.20	
10	16QAM	25	12	22.29	22.14	22.06	
10	16QAM	25	25	22.19	22.13	22.04	23.3
10	16QAM	50	0	22.21	22.21	22.27	
10	64QAM	1	0	22.49	22.44	22.32	
10	64QAM	1	25	22.43	22.15	22.42	23.3
10	64QAM	1	49	22.35	22.44	21.95	
10	64QAM	25	0	21.29	21.16	21.19	
10	64QAM	25	12	21.39	21.22	21.09	22.3
10	64QAM	25	25	21.16	21.01	20.98	
10	64QAM	50	0	21.28	21.03	21.09	
10	256QAM	1	0	19.38	19.34	19.22	20.3
10	256QAM	1	25	19.15	19.23	19.29	
10	256QAM	1	49	19.09	19.13	19.10	
10	256QAM	25	0	19.07	19.04	18.95	20.3
10	256QAM	25	12	19.05	18.93	18.94	



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10	256QAM	25	25	19.13	19.05	18.92	Tune-up limit (dBm)
10	256QAM	50	0	19.17	19.02	19.06	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.69	23.55	23.45	23.8
5	QPSK	1	12	23.42	23.14	23.11	
5	QPSK	1	24	23.38	23.23	23.24	
5	QPSK	12	0	23.50	23.23	23.31	23.8
5	QPSK	12	7	23.31	23.19	23.11	
5	QPSK	12	13	23.12	23.12	22.99	
5	QPSK	25	0	23.35	23.13	23.12	
5	16QAM	1	0	23.62	23.57	23.40	23.8
5	16QAM	1	12	23.43	23.37	23.63	
5	16QAM	1	24	23.31	23.31	23.13	
5	16QAM	12	0	22.38	22.37	22.29	23.3
5	16QAM	12	7	22.18	22.15	22.06	
5	16QAM	12	13	22.32	22.13	22.07	
5	16QAM	25	0	22.19	22.18	22.09	
5	64QAM	1	0	22.45	22.40	22.41	23.3
5	64QAM	1	12	22.28	22.22	22.33	
5	64QAM	1	24	22.26	22.36	22.06	
5	64QAM	12	0	21.34	21.19	21.15	22.3
5	64QAM	12	7	21.27	21.13	21.15	
5	64QAM	12	13	21.21	21.03	21.00	
5	64QAM	25	0	21.24	21.06	21.06	
5	256QAM	1	0	19.30	19.43	19.12	20.3
5	256QAM	1	12	19.15	19.32	19.23	
5	256QAM	1	24	19.01	19.29	19.01	
5	256QAM	12	0	19.03	19.18	19.03	20.3
5	256QAM	12	7	19.07	19.01	18.86	
5	256QAM	12	13	18.97	19.04	18.96	
5	256QAM	25	0	19.17	19.03	18.99	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.54	23.63	23.47	23.8
3	QPSK	1	8	23.27	23.21	23.24	
3	QPSK	1	14	23.49	23.34	23.05	
3	QPSK	8	0	23.52	23.37	23.19	23.8
3	QPSK	8	4	23.21	23.15	23.18	
3	QPSK	8	7	23.21	23.22	23.09	
3	QPSK	15	0	23.20	23.16	23.27	
3	16QAM	1	0	23.50	23.43	23.38	23.8
3	16QAM	1	8	23.59	23.53	23.62	
3	16QAM	1	14	23.40	23.27	23.03	
3	16QAM	8	0	22.28	22.31	22.21	23.3
3	16QAM	8	4	22.18	22.21	22.05	
3	16QAM	8	7	22.17	22.05	22.08	
3	16QAM	15	0	22.24	22.30	22.10	
3	64QAM	1	0	22.45	22.37	22.27	23.3
3	64QAM	1	8	22.42	22.20	22.33	
3	64QAM	1	14	22.44	22.44	22.00	
3	64QAM	8	0	21.19	21.31	21.08	22.3
3	64QAM	8	4	21.38	21.23	21.18	
3	64QAM	8	7	21.17	21.12	21.02	
3	64QAM	15	0	21.22	21.12	21.15	
3	256QAM	1	0	19.38	19.30	19.20	20.3
3	256QAM	1	8	19.17	19.23	19.27	
3	256QAM	1	14	19.08	19.18	19.10	
3	256QAM	8	0	19.07	19.13	18.95	20.3
3	256QAM	8	4	19.01	18.82	18.96	
3	256QAM	8	7	18.95	18.87	18.88	
3	256QAM	15	0	19.12	19.07	18.99	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	23.54	23.52	23.52	23.8
1.4	QPSK	1	3	23.30	23.13	23.11	
1.4	QPSK	1	5	23.39	23.31	23.22	
1.4	QPSK	3	0	23.58	23.51	23.39	
1.4	QPSK	3	1	23.37	23.20	23.13	
1.4	QPSK	3	3	23.41	23.18	23.18	
1.4	QPSK	6	0	23.39	23.25	23.32	23.8
1.4	16QAM	1	0	23.21	23.14	23.21	23.8
1.4	16QAM	1	3	23.30	23.21	23.04	
1.4	16QAM	1	5	23.18	23.22	23.22	
1.4	16QAM	3	0	23.56	23.58	23.43	
1.4	16QAM	3	1	23.61	23.45	23.66	
1.4	16QAM	3	3	23.32	23.26	23.00	
1.4	16QAM	6	0	22.23	22.32	22.23	23.3
1.4	64QAM	1	0	22.27	22.28	22.06	23.3
1.4	64QAM	1	3	22.16	22.16	22.08	
1.4	64QAM	1	5	22.33	22.32	22.15	
1.4	64QAM	3	0	22.43	22.52	22.41	
1.4	64QAM	3	1	22.29	22.19	22.46	
1.4	64QAM	3	3	22.40	22.37	21.93	
1.4	64QAM	6	0	21.24	21.33	21.13	22.3
1.4	256QAM	1	0	19.32	19.32	19.22	20.3
1.4	256QAM	1	3	19.28	19.20	19.23	
1.4	256QAM	1	5	19.12	19.21	19.16	
1.4	256QAM	3	0	19.08	19.18	18.89	
1.4	256QAM	3	1	19.08	18.99	18.77	
1.4	256QAM	3	3	18.93	18.97	18.90	
1.4	256QAM	6	0	19.01	19.04	18.95	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.57	24.49	25.3
15	QPSK	1	37	24.36	24.29	24.34	
15	QPSK	1	74	24.47	24.37	24.31	
15	QPSK	36	0	23.56	23.52	23.50	24.3
15	QPSK	36	20	23.50	23.42	23.44	
15	QPSK	36	39	23.48	23.45	23.40	
15	QPSK	75	0	23.51	23.53	23.47	
15	16QAM	1	0	23.71	23.81	23.85	24.3
15	16QAM	1	37	23.78	23.80	23.73	
15	16QAM	1	74	23.68	23.66	23.54	
15	16QAM	36	0	22.49	22.50	22.47	23.3
15	16QAM	36	20	22.44	22.41	22.44	
15	16QAM	36	39	22.46	22.37	22.38	
15	16QAM	75	0	22.48	22.43	22.46	
15	64QAM	1	0	22.56	22.58	22.65	23.3
15	64QAM	1	37	22.68	22.49	22.56	
15	64QAM	1	74	22.58	22.57	22.43	
15	64QAM	36	0	21.47	21.46	21.44	22.3
15	64QAM	36	20	21.47	21.41	21.42	
15	64QAM	36	39	21.44	21.39	21.39	
15	64QAM	75	0	21.42	21.40	21.38	
15	256QAM	1	0	19.44	19.50	19.38	20.3
15	256QAM	1	37	19.28	19.44	19.22	
15	256QAM	1	74	19.29	19.38	19.23	
15	256QAM	36	0	19.20	19.36	19.20	20.3
15	256QAM	36	20	19.16	19.28	19.09	
15	256QAM	36	39	19.20	19.31	19.13	
15	256QAM	75	0	19.26	19.34	19.16	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.38	24.47	24.29	25.3
10	QPSK	1	25	24.18	24.16	24.29	
10	QPSK	1	49	24.27	24.32	24.23	
10	QPSK	25	0	23.52	23.50	23.49	24.3
10	QPSK	25	12	23.30	23.27	23.36	
10	QPSK	25	25	23.48	23.45	23.32	
10	QPSK	50	0	23.34	23.47	23.27	
10	16QAM	1	0	23.52	23.81	23.75	24.3
10	16QAM	1	25	23.62	23.77	23.56	
10	16QAM	1	49	23.61	23.51	23.46	
10	16QAM	25	0	22.36	22.44	22.40	23.3
10	16QAM	25	12	22.44	22.40	22.39	
10	16QAM	25	25	22.27	22.36	22.30	
10	16QAM	50	0	22.38	22.30	22.34	
10	64QAM	1	0	22.56	22.47	22.65	23.3
10	64QAM	1	25	22.63	22.33	22.47	
10	64QAM	1	49	22.57	22.42	22.31	
10	64QAM	25	0	21.27	21.26	21.37	22.3
10	64QAM	25	12	21.31	21.24	21.28	
10	64QAM	25	25	21.31	21.34	21.21	
10	64QAM	50	0	21.24	21.29	21.29	
10	256QAM	1	0	19.30	19.41	19.32	20.3
10	256QAM	1	25	19.08	19.36	19.06	
10	256QAM	1	49	19.22	19.20	19.18	
10	256QAM	25	0	19.00	19.24	19.04	20.3
10	256QAM	25	12	19.02	19.23	19.04	



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10	256QAM	25	25	19.02	19.26	19.04	Tune-up limit (dBm)
10	256QAM	50	0	19.10	19.16	19.10	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.37	24.45	24.41	25.3
5	QPSK	1	12	24.29	24.20	24.27	
5	QPSK	1	24	24.46	24.24	24.15	
5	QPSK	12	0	23.45	23.40	23.46	24.3
5	QPSK	12	7	23.49	23.38	23.38	
5	QPSK	12	13	23.29	23.35	23.21	
5	QPSK	25	0	23.35	23.36	23.47	
5	16QAM	1	0	23.62	23.64	23.70	24.3
5	16QAM	1	12	23.72	23.66	23.59	
5	16QAM	1	24	23.67	23.63	23.52	
5	16QAM	12	0	22.35	22.41	22.35	23.3
5	16QAM	12	7	22.36	22.36	22.44	
5	16QAM	12	13	22.39	22.19	22.21	
5	16QAM	25	0	22.32	22.27	22.35	
5	64QAM	1	0	22.46	22.42	22.49	23.3
5	64QAM	1	12	22.58	22.32	22.37	
5	64QAM	1	24	22.41	22.42	22.35	
5	64QAM	12	0	21.28	21.31	21.24	22.3
5	64QAM	12	7	21.31	21.39	21.39	
5	64QAM	12	13	21.31	21.19	21.25	
5	64QAM	25	0	21.27	21.23	21.19	
5	256QAM	1	0	19.29	19.43	19.34	20.3
5	256QAM	1	12	19.18	19.32	19.05	
5	256QAM	1	24	19.25	19.20	19.13	
5	256QAM	12	0	19.12	19.28	19.05	20.3
5	256QAM	12	7	19.00	19.09	19.07	
5	256QAM	12	13	19.08	19.13	18.98	
5	256QAM	25	0	19.25	19.32	18.98	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.43	24.49	24.35	25.3
3	QPSK	1	8	24.23	24.17	24.30	
3	QPSK	1	14	24.27	24.18	24.14	
3	QPSK	8	0	23.56	23.39	23.47	24.3
3	QPSK	8	4	23.37	23.23	23.41	
3	QPSK	8	7	23.40	23.38	23.38	
3	QPSK	15	0	23.48	23.40	23.30	
3	16QAM	1	0	23.64	23.71	23.72	24.3
3	16QAM	1	8	23.67	23.74	23.57	
3	16QAM	1	14	23.63	23.48	23.50	
3	16QAM	8	0	22.49	22.30	22.44	23.3
3	16QAM	8	4	22.36	22.35	22.32	
3	16QAM	8	7	22.43	22.37	22.25	
3	16QAM	15	0	22.39	22.32	22.33	
3	64QAM	1	0	22.46	22.57	22.48	23.3
3	64QAM	1	8	22.52	22.37	22.39	
3	64QAM	1	14	22.40	22.42	22.36	
3	64QAM	8	0	21.40	21.38	21.32	22.3
3	64QAM	8	4	21.40	21.38	21.42	
3	64QAM	8	7	21.34	21.30	21.30	
3	64QAM	15	0	21.41	21.28	21.23	
3	256QAM	1	0	19.28	19.44	19.29	20.3
3	256QAM	1	8	19.22	19.43	19.05	
3	256QAM	1	14	19.12	19.36	19.19	
3	256QAM	8	0	19.10	19.19	19.18	20.3
3	256QAM	8	4	19.13	19.08	18.90	
3	256QAM	8	7	19.05	19.16	18.96	
3	256QAM	15	0	19.11	19.16	19.12	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.49	24.43	24.47	25.3
1.4	QPSK	1	3	24.32	24.09	24.24	
1.4	QPSK	1	5	24.41	24.27	24.21	
1.4	QPSK	3	0	24.37	24.48	24.42	
1.4	QPSK	3	1	24.34	24.13	24.21	
1.4	QPSK	3	3	24.37	24.29	24.25	
1.4	QPSK	6	0	23.39	23.49	23.44	24.3
1.4	16QAM	1	0	23.44	23.32	23.25	24.3
1.4	16QAM	1	3	23.37	23.40	23.35	
1.4	16QAM	1	5	23.34	23.33	23.35	
1.4	16QAM	3	0	23.64	23.66	23.79	
1.4	16QAM	3	1	23.65	23.65	23.69	
1.4	16QAM	3	3	23.56	23.46	23.39	
1.4	16QAM	6	0	22.30	22.37	22.34	23.3
1.4	64QAM	1	0	22.42	22.22	22.32	23.3
1.4	64QAM	1	3	22.27	22.28	22.30	
1.4	64QAM	1	5	22.41	22.29	22.46	
1.4	64QAM	3	0	22.54	22.56	22.65	
1.4	64QAM	3	1	22.54	22.38	22.46	
1.4	64QAM	3	3	22.55	22.56	22.27	
1.4	64QAM	6	0	21.32	21.31	21.44	22.3
1.4	256QAM	1	0	19.24	19.43	19.34	20.3
1.4	256QAM	1	3	19.23	19.27	19.06	
1.4	256QAM	1	5	19.14	19.38	19.06	
1.4	256QAM	3	0	19.06	19.27	19.18	
1.4	256QAM	3	1	19.11	19.25	18.93	
1.4	256QAM	3	3	19.06	19.31	19.06	
1.4	256QAM	6	0	19.13	19.17	19.08	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.46	24.34	24.28	
15	QPSK	1	37	24.22	24.05	24.02	25.3
15	QPSK	1	74	24.26	24.14	24.11	
15	QPSK	36	0	23.36	23.31	23.23	
15	QPSK	36	20	23.34	23.27	23.19	24.3
15	QPSK	36	39	23.31	23.24	23.17	
15	QPSK	75	0	23.32	23.32	23.29	
15	16QAM	1	0	23.73	23.68	23.64	24.3
15	16QAM	1	37	23.57	23.54	23.53	
15	16QAM	1	74	23.51	23.38	23.33	
15	16QAM	36	0	22.34	22.31	22.27	23.3
15	16QAM	36	20	22.29	22.28	22.18	
15	16QAM	36	39	22.30	22.21	22.17	
15	16QAM	75	0	22.34	22.27	22.23	23.3
15	64QAM	1	0	22.46	22.49	22.43	
15	64QAM	1	37	22.47	22.41	22.28	
15	64QAM	1	74	22.45	22.33	22.26	22.3
15	64QAM	36	0	21.34	21.31	21.24	
15	64QAM	36	20	21.33	21.26	21.16	
15	64QAM	36	39	21.26	21.15	21.11	20.3
15	64QAM	75	0	21.21	21.15	21.17	
15	256QAM	1	0	19.50	19.45	19.42	
15	256QAM	1	37	19.39	19.41	19.37	20.3
15	256QAM	1	74	19.31	19.34	19.28	
15	256QAM	36	0	19.31	19.31	19.23	
15	256QAM	36	20	19.15	19.20	19.14	20.3
15	256QAM	36	39	19.20	19.25	19.15	
15	256QAM	75	0	19.19	19.20	19.17	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.28	24.30	24.11	
10	QPSK	1	25	24.09	24.00	23.99	25.3
10	QPSK	1	49	24.11	23.96	24.10	
10	QPSK	25	0	23.22	23.13	23.17	
10	QPSK	25	12	23.25	23.16	23.17	24.3
10	QPSK	25	25	23.17	23.05	23.03	
10	QPSK	50	0	23.28	23.30	23.18	
10	16QAM	1	0	23.58	23.56	23.55	24.3
10	16QAM	1	25	23.57	23.37	23.42	
10	16QAM	1	49	23.38	23.20	23.28	
10	16QAM	25	0	22.29	22.16	22.26	23.3
10	16QAM	25	12	22.28	22.21	22.14	
10	16QAM	25	25	22.27	22.06	22.07	
10	16QAM	50	0	22.34	22.07	22.21	23.3
10	64QAM	1	0	22.28	22.33	22.23	
10	64QAM	1	25	22.31	22.27	22.27	
10	64QAM	1	49	22.25	22.30	22.24	22.3
10	64QAM	25	0	21.34	21.22	21.09	
10	64QAM	25	12	21.21	21.14	21.05	
10	64QAM	25	25	21.26	20.99	21.06	20.3
10	64QAM	50	0	21.06	21.07	21.13	
10	256QAM	1	0	19.34	19.33	19.27	
10	256QAM	1	25	19.29	19.40	19.30	20.3
10	256QAM	1	49	19.29	19.16	19.20	
10	256QAM	25	0	19.30	19.31	19.21	
10	256QAM	25	12	19.13	19.09	19.02	20.3



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10	256QAM	25	25	19.12	19.06	18.99	Tune-up limit (dBm)
10	256QAM	50	0	19.04	19.05	18.99	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.38	24.25	24.13	25.3
5	QPSK	1	12	24.13	23.92	23.93	
5	QPSK	1	24	24.08	24.09	23.95	
5	QPSK	12	0	23.28	23.16	23.09	24.3
5	QPSK	12	7	23.25	23.16	23.18	
5	QPSK	12	13	23.17	23.17	23.14	
5	QPSK	25	0	23.13	23.17	23.25	
5	16QAM	1	0	23.55	23.63	23.50	24.3
5	16QAM	1	12	23.41	23.36	23.39	
5	16QAM	1	24	23.40	23.18	23.28	
5	16QAM	12	0	22.32	22.28	22.16	23.3
5	16QAM	12	7	22.13	22.26	22.14	
5	16QAM	12	13	22.23	22.02	22.07	
5	16QAM	25	0	22.26	22.26	22.07	
5	64QAM	1	0	22.28	22.39	22.29	23.3
5	64QAM	1	12	22.31	22.40	22.21	
5	64QAM	1	24	22.40	22.25	22.12	
5	64QAM	12	0	21.24	21.18	21.04	22.3
5	64QAM	12	7	21.17	21.17	21.09	
5	64QAM	12	13	21.23	21.09	20.92	
5	64QAM	25	0	21.10	21.14	21.04	
5	256QAM	1	0	19.30	19.26	19.22	20.3
5	256QAM	1	12	19.34	19.38	19.19	
5	256QAM	1	24	19.13	19.32	19.19	
5	256QAM	12	0	19.18	19.17	19.09	20.3
5	256QAM	12	7	19.11	19.16	19.03	
5	256QAM	12	13	19.06	19.15	19.10	
5	256QAM	25	0	19.15	19.04	19.01	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.45	24.15	24.08	25.3
3	QPSK	1	8	24.20	24.05	23.96	
3	QPSK	1	14	24.25	24.02	24.05	
3	QPSK	8	0	23.19	23.12	23.11	24.3
3	QPSK	8	4	23.32	23.19	23.05	
3	QPSK	8	7	23.20	23.14	23.11	
3	QPSK	15	0	23.29	23.14	23.15	
3	16QAM	1	0	23.72	23.50	23.45	24.3
3	16QAM	1	8	23.45	23.38	23.48	
3	16QAM	1	14	23.34	23.33	23.21	
3	16QAM	8	0	22.20	22.16	22.16	23.3
3	16QAM	8	4	22.22	22.14	22.10	
3	16QAM	8	7	22.11	22.10	22.02	
3	16QAM	15	0	22.22	22.14	22.22	
3	64QAM	1	0	22.37	22.35	22.35	23.3
3	64QAM	1	8	22.38	22.28	22.10	
3	64QAM	1	14	22.32	22.32	22.26	
3	64QAM	8	0	21.32	21.20	21.17	22.3
3	64QAM	8	4	21.20	21.21	21.07	
3	64QAM	8	7	21.07	21.04	21.09	
3	64QAM	15	0	21.15	20.97	21.12	
3	256QAM	1	0	19.39	19.39	19.30	20.3
3	256QAM	1	8	19.38	19.34	19.35	
3	256QAM	1	14	19.21	19.18	19.18	
3	256QAM	8	0	19.14	19.20	19.20	20.3
3	256QAM	8	4	19.15	19.03	19.08	
3	256QAM	8	7	19.02	19.23	19.05	
3	256QAM	15	0	19.13	19.17	19.00	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.31	24.34	24.23	25.3
1.4	QPSK	1	3	24.06	23.89	23.89	
1.4	QPSK	1	5	24.21	24.03	24.02	
1.4	QPSK	3	0	24.28	24.22	24.16	
1.4	QPSK	3	1	24.19	23.85	23.92	
1.4	QPSK	3	3	24.15	24.07	23.91	
1.4	QPSK	6	0	23.16	23.28	23.23	24.3
1.4	16QAM	1	0	23.32	23.27	23.19	24.3
1.4	16QAM	1	3	23.20	23.20	23.12	
1.4	16QAM	1	5	23.20	23.26	23.11	
1.4	16QAM	3	0	23.71	23.55	23.55	
1.4	16QAM	3	1	23.46	23.41	23.48	
1.4	16QAM	3	3	23.43	23.18	23.24	
1.4	16QAM	6	0	22.22	22.13	22.16	23.3
1.4	64QAM	1	0	22.09	22.23	22.12	23.3
1.4	64QAM	1	3	22.19	22.19	22.16	
1.4	64QAM	1	5	22.21	22.18	22.10	
1.4	64QAM	3	0	22.44	22.48	22.33	
1.4	64QAM	3	1	22.31	22.35	22.22	
1.4	64QAM	3	3	22.32	22.30	22.22	
1.4	64QAM	6	0	21.16	21.18	21.14	22.3
1.4	256QAM	1	0	19.48	19.39	19.39	20.3
1.4	256QAM	1	3	19.20	19.26	19.25	
1.4	256QAM	1	5	19.23	19.23	19.15	
1.4	256QAM	3	0	19.21	19.16	19.19	
1.4	256QAM	3	1	19.15	19.01	19.09	
1.4	256QAM	3	3	19.07	19.06	19.13	
1.4	256QAM	6	0	19.02	19.16	19.00	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.57	24.49	25.3
15	QPSK	1	37	24.36	24.29	24.34	
15	QPSK	1	74	24.47	24.37	24.31	
15	QPSK	36	0	23.56	23.52	23.50	24.3
15	QPSK	36	20	23.50	23.42	23.44	
15	QPSK	36	39	23.48	23.45	23.40	
15	QPSK	75	0	23.51	23.53	23.47	
15	16QAM	1	0	23.71	23.81	23.85	24.3
15	16QAM	1	37	23.78	23.80	23.73	
15	16QAM	1	74	23.68	23.66	23.54	
15	16QAM	36	0	22.49	22.50	22.47	23.3
15	16QAM	36	20	22.44	22.41	22.44	
15	16QAM	36	39	22.46	22.37	22.38	
15	16QAM	75	0	22.48	22.43	22.46	
15	64QAM	1	0	22.56	22.58	22.65	23.3
15	64QAM	1	37	22.68	22.49	22.56	
15	64QAM	1	74	22.58	22.57	22.43	
15	64QAM	36	0	21.47	21.46	21.44	22.3
15	64QAM	36	20	21.47	21.41	21.42	
15	64QAM	36	39	21.44	21.39	21.39	
15	64QAM	75	0	21.42	21.40	21.38	
15	256QAM	1	0	19.44	19.50	19.38	20.3
15	256QAM	1	37	19.28	19.44	19.22	
15	256QAM	1	74	19.29	19.38	19.23	
15	256QAM	36	0	19.20	19.36	19.20	20.3
15	256QAM	36	20	19.16	19.28	19.09	
15	256QAM	36	39	19.20	19.31	19.13	
15	256QAM	75	0	19.26	19.34	19.16	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.38	24.47	24.29	25.3
10	QPSK	1	25	24.18	24.16	24.29	
10	QPSK	1	49	24.27	24.32	24.23	
10	QPSK	25	0	23.52	23.50	23.49	24.3
10	QPSK	25	12	23.30	23.27	23.36	
10	QPSK	25	25	23.48	23.45	23.32	
10	QPSK	50	0	23.34	23.47	23.27	
10	16QAM	1	0	23.52	23.81	23.75	24.3
10	16QAM	1	25	23.62	23.77	23.56	
10	16QAM	1	49	23.61	23.51	23.46	
10	16QAM	25	0	22.36	22.44	22.40	23.3
10	16QAM	25	12	22.44	22.40	22.39	
10	16QAM	25	25	22.27	22.36	22.30	
10	16QAM	50	0	22.38	22.30	22.34	
10	64QAM	1	0	22.56	22.47	22.65	23.3
10	64QAM	1	25	22.63	22.33	22.47	
10	64QAM	1	49	22.57	22.42	22.31	
10	64QAM	25	0	21.27	21.26	21.37	22.3
10	64QAM	25	12	21.31	21.24	21.28	
10	64QAM	25	25	21.31	21.34	21.21	
10	64QAM	50	0	21.24	21.29	21.29	
10	256QAM	1	0	19.30	19.41	19.32	20.3
10	256QAM	1	25	19.08	19.36	19.06	
10	256QAM	1	49	19.22	19.20	19.18	
10	256QAM	25	0	19.00	19.24	19.04	20.3
10	256QAM	25	12	19.02	19.23	19.04	



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10	256QAM	25	25	19.02	19.26	19.04	Tune-up limit (dBm)
10	256QAM	50	0	19.10	19.16	19.10	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.37	24.45	24.41	25.3
5	QPSK	1	12	24.29	24.20	24.27	
5	QPSK	1	24	24.46	24.24	24.15	
5	QPSK	12	0	23.45	23.40	23.46	24.3
5	QPSK	12	7	23.49	23.38	23.38	
5	QPSK	12	13	23.29	23.35	23.21	
5	QPSK	25	0	23.35	23.36	23.47	
5	16QAM	1	0	23.62	23.64	23.70	24.3
5	16QAM	1	12	23.72	23.66	23.59	
5	16QAM	1	24	23.67	23.63	23.52	
5	16QAM	12	0	22.35	22.41	22.35	23.3
5	16QAM	12	7	22.36	22.36	22.44	
5	16QAM	12	13	22.39	22.19	22.21	
5	16QAM	25	0	22.32	22.27	22.35	
5	64QAM	1	0	22.46	22.42	22.49	23.3
5	64QAM	1	12	22.58	22.32	22.37	
5	64QAM	1	24	22.41	22.42	22.35	
5	64QAM	12	0	21.28	21.31	21.24	22.3
5	64QAM	12	7	21.31	21.39	21.39	
5	64QAM	12	13	21.31	21.19	21.25	
5	64QAM	25	0	21.27	21.23	21.19	
5	256QAM	1	0	19.29	19.43	19.34	20.3
5	256QAM	1	12	19.18	19.32	19.05	
5	256QAM	1	24	19.25	19.20	19.13	
5	256QAM	12	0	19.12	19.28	19.05	20.3
5	256QAM	12	7	19.00	19.09	19.07	
5	256QAM	12	13	19.08	19.13	18.98	
5	256QAM	25	0	19.25	19.32	18.98	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.43	24.49	24.35	25.3
3	QPSK	1	8	24.23	24.17	24.30	
3	QPSK	1	14	24.27	24.18	24.14	
3	QPSK	8	0	23.56	23.39	23.47	24.3
3	QPSK	8	4	23.37	23.23	23.41	
3	QPSK	8	7	23.40	23.38	23.38	
3	QPSK	15	0	23.48	23.40	23.30	
3	16QAM	1	0	23.64	23.71	23.72	24.3
3	16QAM	1	8	23.67	23.74	23.57	
3	16QAM	1	14	23.63	23.48	23.50	
3	16QAM	8	0	22.49	22.30	22.44	23.3
3	16QAM	8	4	22.36	22.35	22.32	
3	16QAM	8	7	22.43	22.37	22.25	
3	16QAM	15	0	22.39	22.32	22.33	
3	64QAM	1	0	22.46	22.57	22.48	23.3
3	64QAM	1	8	22.52	22.37	22.39	
3	64QAM	1	14	22.40	22.42	22.36	
3	64QAM	8	0	21.40	21.38	21.32	22.3
3	64QAM	8	4	21.40	21.38	21.42	
3	64QAM	8	7	21.34	21.30	21.30	
3	64QAM	15	0	21.41	21.28	21.23	
3	256QAM	1	0	19.28	19.44	19.29	20.3
3	256QAM	1	8	19.22	19.43	19.05	
3	256QAM	1	14	19.12	19.36	19.19	
3	256QAM	8	0	19.10	19.19	19.18	20.3
3	256QAM	8	4	19.13	19.08	18.90	
3	256QAM	8	7	19.05	19.16	18.96	
3	256QAM	15	0	19.11	19.16	19.12	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.49	24.43	24.47	25.3
1.4	QPSK	1	3	24.32	24.09	24.24	
1.4	QPSK	1	5	24.41	24.27	24.21	
1.4	QPSK	3	0	24.37	24.48	24.42	
1.4	QPSK	3	1	24.34	24.13	24.21	
1.4	QPSK	3	3	24.37	24.29	24.25	
1.4	QPSK	6	0	23.39	23.49	23.44	24.3
1.4	16QAM	1	0	23.44	23.32	23.25	24.3
1.4	16QAM	1	3	23.37	23.40	23.35	
1.4	16QAM	1	5	23.34	23.33	23.35	
1.4	16QAM	3	0	23.64	23.66	23.79	
1.4	16QAM	3	1	23.65	23.65	23.69	
1.4	16QAM	3	3	23.56	23.46	23.39	
1.4	16QAM	6	0	22.30	22.37	22.34	23.3
1.4	64QAM	1	0	22.42	22.22	22.32	23.3
1.4	64QAM	1	3	22.27	22.28	22.30	
1.4	64QAM	1	5	22.41	22.29	22.46	
1.4	64QAM	3	0	22.54	22.56	22.65	
1.4	64QAM	3	1	22.54	22.38	22.46	
1.4	64QAM	3	3	22.55	22.56	22.27	
1.4	64QAM	6	0	21.32	21.31	21.44	22.3
1.4	256QAM	1	0	19.24	19.43	19.34	20.3
1.4	256QAM	1	3	19.23	19.27	19.06	
1.4	256QAM	1	5	19.14	19.38	19.06	
1.4	256QAM	3	0	19.06	19.27	19.18	
1.4	256QAM	3	1	19.11	19.25	18.93	
1.4	256QAM	3	3	19.06	19.31	19.06	
1.4	256QAM	6	0	19.13	19.17	19.08	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.46	24.34	24.28	
15	QPSK	1	37	24.22	24.05	24.02	25.3
15	QPSK	1	74	24.26	24.14	24.11	
15	QPSK	36	0	23.36	23.31	23.23	
15	QPSK	36	20	23.34	23.27	23.19	24.3
15	QPSK	36	39	23.31	23.24	23.17	
15	QPSK	75	0	23.32	23.32	23.29	
15	16QAM	1	0	23.73	23.68	23.64	24.3
15	16QAM	1	37	23.57	23.54	23.53	
15	16QAM	1	74	23.51	23.38	23.33	
15	16QAM	36	0	22.34	22.31	22.27	23.3
15	16QAM	36	20	22.29	22.28	22.18	
15	16QAM	36	39	22.30	22.21	22.17	
15	16QAM	75	0	22.34	22.27	22.23	23.3
15	64QAM	1	0	22.46	22.49	22.43	
15	64QAM	1	37	22.47	22.41	22.28	
15	64QAM	1	74	22.45	22.33	22.26	22.3
15	64QAM	36	0	21.34	21.31	21.24	
15	64QAM	36	20	21.33	21.26	21.16	
15	64QAM	36	39	21.26	21.15	21.11	20.3
15	64QAM	75	0	21.21	21.15	21.17	
15	256QAM	1	0	19.50	19.45	19.42	
15	256QAM	1	37	19.39	19.41	19.37	20.3
15	256QAM	1	74	19.31	19.34	19.28	
15	256QAM	36	0	19.31	19.31	19.23	20.3
15	256QAM	36	20	19.15	19.20	19.14	
15	256QAM	36	39	19.20	19.25	19.15	
15	256QAM	75	0	19.19	19.20	19.17	Tune-up limit (dBm)
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.28	24.30	24.11	25.3
10	QPSK	1	25	24.09	24.00	23.99	
10	QPSK	1	49	24.11	23.96	24.10	
10	QPSK	25	0	23.22	23.13	23.17	24.3
10	QPSK	25	12	23.25	23.16	23.17	
10	QPSK	25	25	23.17	23.05	23.03	
10	QPSK	50	0	23.28	23.30	23.18	24.3
10	16QAM	1	0	23.58	23.56	23.55	
10	16QAM	1	25	23.57	23.37	23.42	
10	16QAM	1	49	23.38	23.20	23.28	23.3
10	16QAM	25	0	22.29	22.16	22.26	
10	16QAM	25	12	22.28	22.21	22.14	
10	16QAM	25	25	22.27	22.06	22.07	23.3
10	16QAM	50	0	22.34	22.07	22.21	
10	64QAM	1	0	22.28	22.33	22.23	
10	64QAM	1	25	22.31	22.27	22.27	23.3
10	64QAM	1	49	22.25	22.30	22.24	
10	64QAM	25	0	21.34	21.22	21.09	22.3
10	64QAM	25	12	21.21	21.14	21.05	
10	64QAM	25	25	21.26	20.99	21.06	
10	64QAM	50	0	21.06	21.07	21.13	20.3
10	256QAM	1	0	19.34	19.33	19.27	
10	256QAM	1	25	19.29	19.40	19.30	
10	256QAM	1	49	19.29	19.16	19.20	20.3
10	256QAM	25	0	19.30	19.31	19.21	
10	256QAM	25	12	19.13	19.09	19.02	



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10	256QAM	25	25	19.12	19.06	18.99	Tune-up limit (dBm)
10	256QAM	50	0	19.04	19.05	18.99	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.38	24.25	24.13	25.3
5	QPSK	1	12	24.13	23.92	23.93	
5	QPSK	1	24	24.08	24.09	23.95	
5	QPSK	12	0	23.28	23.16	23.09	24.3
5	QPSK	12	7	23.25	23.16	23.18	
5	QPSK	12	13	23.17	23.17	23.14	
5	QPSK	25	0	23.13	23.17	23.25	
5	16QAM	1	0	23.55	23.63	23.50	24.3
5	16QAM	1	12	23.41	23.36	23.39	
5	16QAM	1	24	23.40	23.18	23.28	
5	16QAM	12	0	22.32	22.28	22.16	23.3
5	16QAM	12	7	22.13	22.26	22.14	
5	16QAM	12	13	22.23	22.02	22.07	
5	16QAM	25	0	22.26	22.26	22.07	
5	64QAM	1	0	22.28	22.39	22.29	23.3
5	64QAM	1	12	22.31	22.40	22.21	
5	64QAM	1	24	22.40	22.25	22.12	
5	64QAM	12	0	21.24	21.18	21.04	22.3
5	64QAM	12	7	21.17	21.17	21.09	
5	64QAM	12	13	21.23	21.09	20.92	
5	64QAM	25	0	21.10	21.14	21.04	
5	256QAM	1	0	19.30	19.26	19.22	20.3
5	256QAM	1	12	19.34	19.38	19.19	
5	256QAM	1	24	19.13	19.32	19.19	
5	256QAM	12	0	19.18	19.17	19.09	20.3
5	256QAM	12	7	19.11	19.16	19.03	
5	256QAM	12	13	19.06	19.15	19.10	
5	256QAM	25	0	19.15	19.04	19.01	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.45	24.15	24.08	25.3
3	QPSK	1	8	24.20	24.05	23.96	
3	QPSK	1	14	24.25	24.02	24.05	
3	QPSK	8	0	23.19	23.12	23.11	24.3
3	QPSK	8	4	23.32	23.19	23.05	
3	QPSK	8	7	23.20	23.14	23.11	
3	QPSK	15	0	23.29	23.14	23.15	
3	16QAM	1	0	23.72	23.50	23.45	24.3
3	16QAM	1	8	23.45	23.38	23.48	
3	16QAM	1	14	23.34	23.33	23.21	
3	16QAM	8	0	22.20	22.16	22.16	23.3
3	16QAM	8	4	22.22	22.14	22.10	
3	16QAM	8	7	22.11	22.10	22.02	
3	16QAM	15	0	22.22	22.14	22.22	
3	64QAM	1	0	22.37	22.35	22.35	23.3
3	64QAM	1	8	22.38	22.28	22.10	
3	64QAM	1	14	22.32	22.32	22.26	
3	64QAM	8	0	21.32	21.20	21.17	22.3
3	64QAM	8	4	21.20	21.21	21.07	
3	64QAM	8	7	21.07	21.04	21.09	
3	64QAM	15	0	21.15	20.97	21.12	
3	256QAM	1	0	19.39	19.39	19.30	20.3
3	256QAM	1	8	19.38	19.34	19.35	
3	256QAM	1	14	19.21	19.18	19.18	
3	256QAM	8	0	19.14	19.20	19.20	20.3
3	256QAM	8	4	19.15	19.03	19.08	
3	256QAM	8	7	19.02	19.23	19.05	
3	256QAM	15	0	19.13	19.17	19.00	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.31	24.34	24.23	25.3
1.4	QPSK	1	3	24.06	23.89	23.89	
1.4	QPSK	1	5	24.21	24.03	24.02	
1.4	QPSK	3	0	24.28	24.22	24.16	
1.4	QPSK	3	1	24.19	23.85	23.92	
1.4	QPSK	3	3	24.15	24.07	23.91	
1.4	QPSK	6	0	23.16	23.28	23.23	24.3
1.4	16QAM	1	0	23.32	23.27	23.19	24.3
1.4	16QAM	1	3	23.20	23.20	23.12	
1.4	16QAM	1	5	23.20	23.26	23.11	
1.4	16QAM	3	0	23.71	23.55	23.55	
1.4	16QAM	3	1	23.46	23.41	23.48	
1.4	16QAM	3	3	23.43	23.18	23.24	
1.4	16QAM	6	0	22.22	22.13	22.16	23.3
1.4	64QAM	1	0	22.09	22.23	22.12	23.3
1.4	64QAM	1	3	22.19	22.19	22.16	
1.4	64QAM	1	5	22.21	22.18	22.10	
1.4	64QAM	3	0	22.44	22.48	22.33	
1.4	64QAM	3	1	22.31	22.35	22.22	
1.4	64QAM	3	3	22.32	22.30	22.22	
1.4	64QAM	6	0	21.16	21.18	21.14	22.3
1.4	256QAM	1	0	19.48	19.39	19.39	20.3
1.4	256QAM	1	3	19.20	19.26	19.25	
1.4	256QAM	1	5	19.23	19.23	19.15	
1.4	256QAM	3	0	19.21	19.16	19.19	
1.4	256QAM	3	1	19.15	19.01	19.09	
1.4	256QAM	3	3	19.07	19.06	19.13	
1.4	256QAM	6	0	19.02	19.16	19.00	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.57	24.49	25.3
15	QPSK	1	37	24.36	24.29	24.34	
15	QPSK	1	74	24.47	24.37	24.31	
15	QPSK	36	0	23.56	23.52	23.50	24.3
15	QPSK	36	20	23.50	23.42	23.44	
15	QPSK	36	39	23.48	23.45	23.40	
15	QPSK	75	0	23.51	23.53	23.47	
15	16QAM	1	0	23.71	23.81	23.85	24.3
15	16QAM	1	37	23.78	23.80	23.73	
15	16QAM	1	74	23.68	23.66	23.54	
15	16QAM	36	0	22.49	22.50	22.47	23.3
15	16QAM	36	20	22.44	22.41	22.44	
15	16QAM	36	39	22.46	22.37	22.38	
15	16QAM	75	0	22.48	22.43	22.46	
15	64QAM	1	0	22.56	22.58	22.65	23.3
15	64QAM	1	37	22.68	22.49	22.56	
15	64QAM	1	74	22.58	22.57	22.43	
15	64QAM	36	0	21.47	21.46	21.44	22.3
15	64QAM	36	20	21.47	21.41	21.42	
15	64QAM	36	39	21.44	21.39	21.39	
15	64QAM	75	0	21.42	21.40	21.38	
15	256QAM	1	0	19.44	19.50	19.38	20.3
15	256QAM	1	37	19.28	19.44	19.22	
15	256QAM	1	74	19.29	19.38	19.23	
15	256QAM	36	0	19.20	19.36	19.20	20.3
15	256QAM	36	20	19.16	19.28	19.09	
15	256QAM	36	39	19.20	19.31	19.13	
15	256QAM	75	0	19.26	19.34	19.16	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.38	24.47	24.29	25.3
10	QPSK	1	25	24.18	24.16	24.29	
10	QPSK	1	49	24.27	24.32	24.23	
10	QPSK	25	0	23.52	23.50	23.49	24.3
10	QPSK	25	12	23.30	23.27	23.36	
10	QPSK	25	25	23.48	23.45	23.32	
10	QPSK	50	0	23.34	23.47	23.27	
10	16QAM	1	0	23.52	23.81	23.75	24.3
10	16QAM	1	25	23.62	23.77	23.56	
10	16QAM	1	49	23.61	23.51	23.46	
10	16QAM	25	0	22.36	22.44	22.40	23.3
10	16QAM	25	12	22.44	22.40	22.39	
10	16QAM	25	25	22.27	22.36	22.30	
10	16QAM	50	0	22.38	22.30	22.34	
10	64QAM	1	0	22.56	22.47	22.65	23.3
10	64QAM	1	25	22.63	22.33	22.47	
10	64QAM	1	49	22.57	22.42	22.31	
10	64QAM	25	0	21.27	21.26	21.37	22.3
10	64QAM	25	12	21.31	21.24	21.28	
10	64QAM	25	25	21.31	21.34	21.21	
10	64QAM	50	0	21.24	21.29	21.29	
10	256QAM	1	0	19.30	19.41	19.32	20.3
10	256QAM	1	25	19.08	19.36	19.06	
10	256QAM	1	49	19.22	19.20	19.18	
10	256QAM	25	0	19.00	19.24	19.04	20.3
10	256QAM	25	12	19.02	19.23	19.04	



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10	256QAM	25	25	19.02	19.26	19.04	Tune-up limit (dBm)
10	256QAM	50	0	19.10	19.16	19.10	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.37	24.45	24.41	25.3
5	QPSK	1	12	24.29	24.20	24.27	
5	QPSK	1	24	24.46	24.24	24.15	
5	QPSK	12	0	23.45	23.40	23.46	24.3
5	QPSK	12	7	23.49	23.38	23.38	
5	QPSK	12	13	23.29	23.35	23.21	
5	QPSK	25	0	23.35	23.36	23.47	
5	16QAM	1	0	23.62	23.64	23.70	24.3
5	16QAM	1	12	23.72	23.66	23.59	
5	16QAM	1	24	23.67	23.63	23.52	
5	16QAM	12	0	22.35	22.41	22.35	23.3
5	16QAM	12	7	22.36	22.36	22.44	
5	16QAM	12	13	22.39	22.19	22.21	
5	16QAM	25	0	22.32	22.27	22.35	
5	64QAM	1	0	22.46	22.42	22.49	23.3
5	64QAM	1	12	22.58	22.32	22.37	
5	64QAM	1	24	22.41	22.42	22.35	
5	64QAM	12	0	21.28	21.31	21.24	22.3
5	64QAM	12	7	21.31	21.39	21.39	
5	64QAM	12	13	21.31	21.19	21.25	
5	64QAM	25	0	21.27	21.23	21.19	
5	256QAM	1	0	19.29	19.43	19.34	20.3
5	256QAM	1	12	19.18	19.32	19.05	
5	256QAM	1	24	19.25	19.20	19.13	
5	256QAM	12	0	19.12	19.28	19.05	20.3
5	256QAM	12	7	19.00	19.09	19.07	
5	256QAM	12	13	19.08	19.13	18.98	
5	256QAM	25	0	19.25	19.32	18.98	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.43	24.49	24.35	25.3
3	QPSK	1	8	24.23	24.17	24.30	
3	QPSK	1	14	24.27	24.18	24.14	
3	QPSK	8	0	23.56	23.39	23.47	24.3
3	QPSK	8	4	23.37	23.23	23.41	
3	QPSK	8	7	23.40	23.38	23.38	
3	QPSK	15	0	23.48	23.40	23.30	
3	16QAM	1	0	23.64	23.71	23.72	24.3
3	16QAM	1	8	23.67	23.74	23.57	
3	16QAM	1	14	23.63	23.48	23.50	
3	16QAM	8	0	22.49	22.30	22.44	23.3
3	16QAM	8	4	22.36	22.35	22.32	
3	16QAM	8	7	22.43	22.37	22.25	
3	16QAM	15	0	22.39	22.32	22.33	
3	64QAM	1	0	22.46	22.57	22.48	23.3
3	64QAM	1	8	22.52	22.37	22.39	
3	64QAM	1	14	22.40	22.42	22.36	
3	64QAM	8	0	21.40	21.38	21.32	22.3
3	64QAM	8	4	21.40	21.38	21.42	
3	64QAM	8	7	21.34	21.30	21.30	
3	64QAM	15	0	21.41	21.28	21.23	
3	256QAM	1	0	19.28	19.44	19.29	20.3
3	256QAM	1	8	19.22	19.43	19.05	
3	256QAM	1	14	19.12	19.36	19.19	
3	256QAM	8	0	19.10	19.19	19.18	20.3
3	256QAM	8	4	19.13	19.08	18.90	
3	256QAM	8	7	19.05	19.16	18.96	
3	256QAM	15	0	19.11	19.16	19.12	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.49	24.43	24.47	25.3
1.4	QPSK	1	3	24.32	24.09	24.24	
1.4	QPSK	1	5	24.41	24.27	24.21	
1.4	QPSK	3	0	24.37	24.48	24.42	
1.4	QPSK	3	1	24.34	24.13	24.21	
1.4	QPSK	3	3	24.37	24.29	24.25	
1.4	QPSK	6	0	23.39	23.49	23.44	24.3
1.4	16QAM	1	0	23.44	23.32	23.25	24.3
1.4	16QAM	1	3	23.37	23.40	23.35	
1.4	16QAM	1	5	23.34	23.33	23.35	
1.4	16QAM	3	0	23.64	23.66	23.79	
1.4	16QAM	3	1	23.65	23.65	23.69	
1.4	16QAM	3	3	23.56	23.46	23.39	
1.4	16QAM	6	0	22.30	22.37	22.34	23.3
1.4	64QAM	1	0	22.42	22.22	22.32	23.3
1.4	64QAM	1	3	22.27	22.28	22.30	
1.4	64QAM	1	5	22.41	22.29	22.46	
1.4	64QAM	3	0	22.54	22.56	22.65	
1.4	64QAM	3	1	22.54	22.38	22.46	
1.4	64QAM	3	3	22.55	22.56	22.27	
1.4	64QAM	6	0	21.32	21.31	21.44	22.3
1.4	256QAM	1	0	19.24	19.43	19.34	20.3
1.4	256QAM	1	3	19.23	19.27	19.06	
1.4	256QAM	1	5	19.14	19.38	19.06	
1.4	256QAM	3	0	19.06	19.27	19.18	
1.4	256QAM	3	1	19.11	19.25	18.93	
1.4	256QAM	3	3	19.06	19.31	19.06	
1.4	256QAM	6	0	19.13	19.17	19.08	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.46	24.34	24.28	
15	QPSK	1	37	24.22	24.05	24.02	25.3
15	QPSK	1	74	24.26	24.14	24.11	
15	QPSK	36	0	23.36	23.31	23.23	
15	QPSK	36	20	23.34	23.27	23.19	24.3
15	QPSK	36	39	23.31	23.24	23.17	
15	QPSK	75	0	23.32	23.32	23.29	
15	16QAM	1	0	23.73	23.68	23.64	24.3
15	16QAM	1	37	23.57	23.54	23.53	
15	16QAM	1	74	23.51	23.38	23.33	
15	16QAM	36	0	22.34	22.31	22.27	23.3
15	16QAM	36	20	22.29	22.28	22.18	
15	16QAM	36	39	22.30	22.21	22.17	
15	16QAM	75	0	22.34	22.27	22.23	23.3
15	64QAM	1	0	22.46	22.49	22.43	
15	64QAM	1	37	22.47	22.41	22.28	
15	64QAM	1	74	22.45	22.33	22.26	22.3
15	64QAM	36	0	21.34	21.31	21.24	
15	64QAM	36	20	21.33	21.26	21.16	
15	64QAM	36	39	21.26	21.15	21.11	20.3
15	64QAM	75	0	21.21	21.15	21.17	
15	256QAM	1	0	19.50	19.45	19.42	
15	256QAM	1	37	19.39	19.41	19.37	20.3
15	256QAM	1	74	19.31	19.34	19.28	
15	256QAM	36	0	19.31	19.31	19.23	20.3
15	256QAM	36	20	19.15	19.20	19.14	
15	256QAM	36	39	19.20	19.25	19.15	
15	256QAM	75	0	19.19	19.20	19.17	Tune-up limit (dBm)
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.28	24.30	24.11	25.3
10	QPSK	1	25	24.09	24.00	23.99	
10	QPSK	1	49	24.11	23.96	24.10	
10	QPSK	25	0	23.22	23.13	23.17	24.3
10	QPSK	25	12	23.25	23.16	23.17	
10	QPSK	25	25	23.17	23.05	23.03	
10	QPSK	50	0	23.28	23.30	23.18	24.3
10	16QAM	1	0	23.58	23.56	23.55	
10	16QAM	1	25	23.57	23.37	23.42	
10	16QAM	1	49	23.38	23.20	23.28	23.3
10	16QAM	25	0	22.29	22.16	22.26	
10	16QAM	25	12	22.28	22.21	22.14	
10	16QAM	25	25	22.27	22.06	22.07	23.3
10	16QAM	50	0	22.34	22.07	22.21	
10	64QAM	1	0	22.28	22.33	22.23	
10	64QAM	1	25	22.31	22.27	22.27	23.3
10	64QAM	1	49	22.25	22.30	22.24	
10	64QAM	25	0	21.34	21.22	21.09	22.3
10	64QAM	25	12	21.21	21.14	21.05	
10	64QAM	25	25	21.26	20.99	21.06	
10	64QAM	50	0	21.06	21.07	21.13	20.3
10	256QAM	1	0	19.34	19.33	19.27	
10	256QAM	1	25	19.29	19.40	19.30	
10	256QAM	1	49	19.29	19.16	19.20	20.3
10	256QAM	25	0	19.30	19.31	19.21	
10	256QAM	25	12	19.13	19.09	19.02	