



Appendix E

Conducted Output Power Table

1. WWAN Power
2. CA Power
3. WLAN&BT Power

GSM850 Ant0 Default								
GSM850	Burst Average Power(dBm)			Tune-up limit (dBm)	Frame-Average Power(dBm)			Tune-up limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency(MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx Slot	32.31	32.34	32.35	33.0	23.31	23.34	23.35	24.00
GPRS 1 Tx Slot	32.29	32.37	32.31	33.0	23.29	23.37	23.31	24.00
GPRS 2 Tx Slot	29.31	29.33	29.28	29.5	23.31	23.33	23.28	23.50
GPRS 3 Tx Slot	27.21	27.22	27.24	27.5	22.95	22.96	22.98	23.24
GPRS 4 Tx Slot	26.35	26.36	26.31	26.5	23.35	23.36	23.31	23.50
EDGE 1 Tx Slot	26.43	26.51	26.44	27.0	17.43	17.51	17.44	18.00
EDGE 2 Tx Slot	25.23	25.25	25.21	25.5	19.23	19.25	19.21	19.50
EDGE 3 Tx Slot	22.91	22.89	22.87	23.5	18.65	18.63	18.61	19.24
EDGE 4 Tx Slot	21.37	21.37	21.31	22.0	18.37	18.37	18.31	19.00

GSM1900 Ant1 Default								
GSM1900	Burst Average Power(dBm)			Tune-up limit (dBm)	Frame-Average Power(dBm)			Tune-up limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency(MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx Slot	29.47	29.52	29.53	30.0	20.47	20.52	20.53	21.00
GPRS 1 Tx Slot	29.26	29.26	29.21	30.0	20.26	20.26	20.21	21.00
GPRS 2 Tx Slot	26.91	26.96	26.88	28.0	20.91	20.96	20.88	22.00
GPRS 3 Tx Slot	24.71	24.73	24.67	25.5	20.45	20.47	20.41	21.24
GPRS 4 Tx Slot	23.90	23.93	23.88	24.5	20.90	20.93	20.88	21.50
EDGE 1 Tx Slot	25.60	25.62	25.57	26.0	16.60	16.62	16.57	17.00
EDGE 2 Tx Slot	23.17	23.16	23.14	24.0	17.17	17.16	17.14	18.00
EDGE 3 Tx Slot	21.44	21.47	21.38	22.0	17.18	17.21	17.12	17.74
EDGE 4 Tx Slot	19.02	19.09	19.03	20.0	16.02	16.09	16.03	17.00

		WCDMA II Ant1 Default				WCDMA IV Ant1 Default				WCDMA V Ant0 Default			
Band		WCDMA II			Tune-up limit (dBm)	WCDMA IV			Tune-up limit (dBm)	WCDMA V			Tune-up limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
RX Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency(MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.14	23.11	23.10	24.0	23.01	23.12	23.15	24.0	23.11	23.15	23.18	24.0
3GPP Rel 99	RMC 12.2Kbps	23.18	23.20	23.16	24.0	23.13	23.18	23.11	24.0	23.14	23.20	23.19	24.0
3GPP Rel 6	HSDPA Subtest-1	22.11	22.18	22.14	23.0	22.41	22.53	22.36	23.0	22.15	22.16	22.20	22.5
3GPP Rel 6	HSDPA Subtest-2	22.12	22.01	22.14	22.5	22.00	22.11	22.06	22.5	22.06	22.07	22.12	22.5
3GPP Rel 6	HSDPA Subtest-3	21.38	21.53	21.32	22.0	20.01	22.08	22.10	22.5	21.38	21.51	21.36	22.0
3GPP Rel 6	HSDPA Subtest-4	21.11	21.16	21.12	21.5	20.64	20.65	20.61	22.5	21.62	21.65	21.63	22.0
3GPP Rel 6	HSUPA Subtest-1	22.06	22.10	22.13	22.5	20.33	20.26	20.31	21.0	22.20	22.16	22.16	22.5
3GPP Rel 6	HSUPA Subtest-2	20.05	20.03	20.06	20.5	21.37	21.31	21.28	22.0	20.06	20.01	20.05	20.5
3GPP Rel 6	HSUPA Subtest-3	21.12	21.11	21.08	21.5	19.26	19.21	19.14	20.0	21.11	21.08	21.04	21.5
3GPP Rel 6	HSUPA Subtest-4	20.06	20.15	20.11	20.5	20.15	20.16	20.15	21.0	20.03	20.04	20.06	20.5
3GPP Rel 6	HSUPA Subtest-5	22.19	22.21	22.12	22.5	21.36	21.32	21.29	22.0	22.14	22.17	22.14	22.5
3GPP Rel 7	HSUPA+(16QAM)	19.64	19.61	19.59	20.0	18.73	18.71	18.67	19.0	19.34	19.31	19.23	20.0

Band5 Ant0 Default							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.71	22.98	22.62	24.0
10	QPSK	1	25	22.56	22.62	22.57	
10	QPSK	1	49	22.55	22.42	22.36	
10	QPSK	25	0	21.80	21.75	21.78	23.0
10	QPSK	25	12	21.83	21.66	21.73	
10	QPSK	25	25	21.75	21.82	21.70	
10	QPSK	50	0	21.81	21.64	21.75	23.0
10	16QAM	1	0	21.96	21.90	21.83	
10	16QAM	1	25	21.95	21.92	21.68	
10	16QAM	1	49	21.63	21.82	21.87	22.0
10	16QAM	25	0	20.79	20.78	20.76	
10	16QAM	25	12	20.84	20.61	20.75	
10	16QAM	25	25	20.86	20.82	20.68	22.0
10	16QAM	50	0	20.85	20.71	20.67	
10	64QAM	1	0	20.71	20.86	20.85	
10	64QAM	1	25	20.99	20.88	20.82	22.0
10	64QAM	1	49	20.77	20.70	20.67	
10	64QAM	25	0	19.71	19.77	19.72	
10	64QAM	25	12	19.79	19.73	19.76	21.0
10	64QAM	25	25	19.77	19.79	19.77	
10	64QAM	50	0	19.78	19.81	19.74	
10	256QAM	1	0	17.97	17.63	17.77	19.0
10	256QAM	1	25	17.77	17.95	17.84	
10	256QAM	1	49	17.98	17.91	17.98	
10	256QAM	25	0	17.80	17.75	17.85	19.0
10	256QAM	25	12	17.83	17.83	17.80	
10	256QAM	25	25	17.85	17.90	17.82	
10	256QAM	50	0	17.84	17.83	17.79	Tune-up limit (dBm)
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.90	22.89	22.82	24.0
5	QPSK	1	12	22.88	22.90	22.77	
5	QPSK	1	24	22.76	22.79	22.63	
5	QPSK	12	0	21.97	21.97	21.85	23.0
5	QPSK	12	7	22.00	21.89	21.92	
5	QPSK	12	13	21.97	21.97	21.95	
5	QPSK	25	0	22.06	21.95	21.89	23.0
5	16QAM	1	0	22.14	22.06	21.99	
5	16QAM	1	12	21.96	22.02	21.97	
5	16QAM	1	24	22.03	21.94	21.82	22.0
5	16QAM	12	0	20.96	20.92	20.91	
5	16QAM	12	7	21.02	20.84	20.92	
5	16QAM	12	13	20.97	20.94	20.89	22.0
5	16QAM	25	0	20.96	20.99	20.90	
5	64QAM	1	0	21.09	21.13	21.01	
5	64QAM	1	12	21.03	21.00	21.18	21.0
5	64QAM	1	24	21.06	21.09	20.97	
5	64QAM	12	0	19.96	19.93	19.92	
5	64QAM	12	7	20.01	19.95	19.90	19.0
5	64QAM	12	13	19.95	19.93	19.93	
5	64QAM	25	0	19.99	19.99	19.87	
5	256QAM	1	0	17.99	17.93	18.16	19.0
5	256QAM	1	12	18.12	18.17	18.07	
5	256QAM	1	24	17.97	18.23	17.81	
5	256QAM	12	0	17.99	17.97	17.92	19.0
5	256QAM	12	7	18.04	17.97	17.96	
5	256QAM	12	13	17.99	17.99	17.99	
5	256QAM	25	0	17.99	17.96	17.91	

Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.90	22.85	22.85	24.0
3	QPSK	1	8	22.87	22.89	22.77	
3	QPSK	1	14	22.82	22.83	22.67	
3	QPSK	8	0	22.00	21.86	21.90	23.0
3	QPSK	8	4	22.01	21.90	21.95	
3	QPSK	8	7	21.99	21.99	21.84	
3	QPSK	15	0	22.00	21.90	21.83	
3	16QAM	1	0	22.25	22.09	22.04	23.0
3	16QAM	1	8	22.17	22.23	22.01	
3	16QAM	1	14	22.00	22.16	21.94	
3	16QAM	8	0	21.09	20.94	20.88	22.0
3	16QAM	8	4	21.05	21.04	20.88	
3	16QAM	8	7	21.02	20.98	20.87	
3	16QAM	15	0	20.94	20.83	20.86	
3	64QAM	1	0	21.10	21.10	20.99	22.0
3	64QAM	1	8	21.10	21.09	20.99	
3	64QAM	1	14	21.04	21.08	20.85	
3	64QAM	8	0	20.03	19.96	19.89	21.0
3	64QAM	8	4	20.03	19.93	19.97	
3	64QAM	8	7	20.04	20.00	19.87	
3	64QAM	15	0	19.99	19.81	19.87	
3	256QAM	1	0	18.10	17.90	17.91	19.0
3	256QAM	1	8	18.11	18.18	18.07	
3	256QAM	1	14	18.01	18.08	17.98	
3	256QAM	8	0	18.02	17.97	17.90	19.0
3	256QAM	8	4	18.05	17.98	18.00	
3	256QAM	8	7	18.02	17.97	17.88	
3	256QAM	15	0	18.05	17.89	17.90	
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.83	22.78	22.71	24.0
1.4	QPSK	1	3	22.88	22.84	22.77	
1.4	QPSK	1	5	22.78	22.78	22.57	
1.4	QPSK	3	0	21.96	21.87	21.87	24.0
1.4	QPSK	3	1	22.00	22.05	21.91	
1.4	QPSK	3	3	22.00	21.92	21.86	
1.4	QPSK	6	0	22.06	21.85	21.90	
1.4	16QAM	1	0	22.04	22.08	21.96	23.0
1.4	16QAM	1	3	22.13	22.18	22.09	
1.4	16QAM	1	5	22.07	22.02	21.85	
1.4	16QAM	3	0	21.09	20.89	20.88	23.0
1.4	16QAM	3	1	21.00	20.96	20.93	
1.4	16QAM	3	3	21.01	20.92	20.88	
1.4	16QAM	6	0	21.07	20.95	20.93	22.0
1.4	64QAM	1	0	21.19	21.09	21.05	
1.4	64QAM	1	3	21.07	21.19	20.88	
1.4	64QAM	1	5	21.03	20.99	20.81	22.0
1.4	64QAM	3	0	20.00	19.87	19.87	
1.4	64QAM	3	1	20.01	20.04	19.94	
1.4	64QAM	3	3	19.99	20.06	19.82	21.0
1.4	64QAM	6	0	20.01	19.94	19.85	
1.4	256QAM	1	0	18.12	18.03	17.97	
1.4	256QAM	1	3	18.22	17.94	17.95	19.0
1.4	256QAM	1	5	17.95	18.10	17.95	
1.4	256QAM	3	0	18.10	17.94	17.91	
1.4	256QAM	3	1	18.16	18.12	17.98	19.0
1.4	256QAM	3	3	17.99	18.01	17.85	
1.4	256QAM	6	0	18.08	17.96	17.86	

Band12 Ant0 Default							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				20360	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.21	23.33	23.19	24.0
10	QPSK	1	25	23.18	23.24	23.24	
10	QPSK	1	49	23.23	23.17	23.09	
10	QPSK	25	0	22.39	22.37	22.39	23.0
10	QPSK	25	12	22.42	22.40	22.43	
10	QPSK	25	25	22.43	22.39	22.39	
10	QPSK	50	0	22.39	22.37	22.41	23.0
10	16QAM	1	0	22.64	22.38	22.60	
10	16QAM	1	25	22.41	22.58	22.51	
10	16QAM	1	49	22.48	22.43	22.41	22.0
10	16QAM	25	0	21.36	21.49	21.39	
10	16QAM	25	12	21.51	21.38	21.40	
10	16QAM	25	25	21.43	21.41	21.40	22.0
10	16QAM	50	0	21.38	21.35	21.41	
10	64QAM	1	0	21.32	21.59	21.38	
10	64QAM	1	25	21.51	21.59	21.48	22.0
10	64QAM	1	49	21.34	21.28	21.42	
10	64QAM	25	0	20.36	20.39	20.37	21.0
10	64QAM	25	12	20.45	20.36	20.40	
10	64QAM	25	25	20.45	20.46	20.39	
10	64QAM	50	0	20.49	20.37	20.32	19.5
10	256QAM	1	0	18.81	18.81	18.65	
10	256QAM	1	25	18.80	18.57	18.77	
10	256QAM	1	49	18.77	18.61	18.77	19.5
10	256QAM	25	0	18.62	18.65	18.61	
10	256QAM	25	12	18.74	18.57	18.63	
10	256QAM	25	25	18.71	18.68	18.60	19.5
10	256QAM	50	0	18.63	18.60	18.65	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.22	23.18	23.13	24.0
5	QPSK	1	12	23.20	23.26	23.21	
5	QPSK	1	24	23.17	23.11	23.13	
5	QPSK	12	0	22.28	22.28	22.29	23.0
5	QPSK	12	7	22.43	22.35	22.27	
5	QPSK	12	13	22.27	22.43	22.36	
5	QPSK	25	0	22.31	22.31	22.30	23.0
5	16QAM	1	0	22.57	22.44	22.56	
5	16QAM	1	12	22.52	22.65	22.51	
5	16QAM	1	24	22.59	22.52	22.42	22.0
5	16QAM	12	0	21.35	21.38	21.32	
5	16QAM	12	7	21.46	21.40	21.37	
5	16QAM	12	13	21.39	21.36	21.37	22.0
5	16QAM	25	0	21.33	21.44	21.39	
5	64QAM	1	0	21.48	21.27	21.52	
5	64QAM	1	12	21.56	21.54	21.49	22.0
5	64QAM	1	24	21.29	21.48	21.44	
5	64QAM	12	0	20.39	20.47	20.24	
5	64QAM	12	7	20.41	20.33	20.30	21.0
5	64QAM	12	13	20.37	20.50	20.37	
5	64QAM	25	0	20.33	20.33	20.40	
5	256QAM	1	0	18.73	18.81	18.76	19.5
5	256QAM	1	12	18.85	18.78	18.71	
5	256QAM	1	24	18.65	18.72	18.61	
5	256QAM	12	0	18.54	18.68	18.61	19.5
5	256QAM	12	7	18.62	18.56	18.62	
5	256QAM	12	13	18.61	18.71	18.59	
5	256QAM	25	0	18.66	18.55	18.56	

Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	23.16	23.17	23.13	24.0
3	QPSK	1	8	23.25	23.31	23.19	
3	QPSK	1	14	23.19	23.21	23.16	
3	QPSK	8	0	22.36	22.38	22.25	23.0
3	QPSK	8	4	22.36	22.39	22.39	
3	QPSK	8	7	22.38	22.41	22.37	
3	QPSK	15	0	22.36	22.38	22.30	
3	16QAM	1	0	22.38	22.58	22.38	23.0
3	16QAM	1	8	22.54	22.58	22.51	
3	16QAM	1	14	22.35	22.47	22.36	
3	16QAM	8	0	21.46	21.42	21.27	22.0
3	16QAM	8	4	21.35	21.33	21.44	
3	16QAM	8	7	21.40	21.42	21.36	
3	16QAM	15	0	21.34	21.29	21.29	
3	64QAM	1	0	21.43	21.46	21.32	22.0
3	64QAM	1	8	21.42	21.55	21.42	
3	64QAM	1	14	21.39	21.53	21.32	
3	64QAM	8	0	20.28	20.43	20.27	21.0
3	64QAM	8	4	20.53	20.36	20.40	
3	64QAM	8	7	20.25	20.43	20.41	
3	64QAM	15	0	20.36	20.42	20.33	
3	256QAM	1	0	18.62	18.67	18.57	19.5
3	256QAM	1	8	18.72	18.77	18.74	
3	256QAM	1	14	18.86	18.82	18.55	
3	256QAM	8	0	18.61	18.60	18.50	19.5
3	256QAM	8	4	18.67	18.67	18.65	
3	256QAM	8	7	18.57	18.55	18.55	
3	256QAM	15	0	18.65	18.51	18.60	
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
1.4	QPSK	1	0	23.24	23.24	23.05	24.0
1.4	QPSK	1	3	23.23	23.22	23.13	
1.4	QPSK	1	5	23.20	23.18	23.12	
1.4	QPSK	3	0	23.26	23.15	23.13	24.0
1.4	QPSK	3	1	23.22	23.15	23.19	
1.4	QPSK	3	3	23.19	23.24	23.09	
1.4	QPSK	6	0	22.31	22.27	22.28	23.0
1.4	16QAM	1	0	22.34	22.40	22.26	
1.4	16QAM	1	3	22.45	22.48	22.27	
1.4	16QAM	1	5	22.42	22.34	22.38	
1.4	16QAM	3	0	22.48	22.37	22.42	23.0
1.4	16QAM	3	1	22.36	22.38	22.31	
1.4	16QAM	3	3	22.38	22.38	22.28	
1.4	16QAM	6	0	21.32	21.32	21.18	22.0
1.4	64QAM	1	0	21.41	21.40	21.32	
1.4	64QAM	1	3	21.40	21.52	21.38	
1.4	64QAM	1	5	21.37	21.51	21.41	22.0
1.4	64QAM	3	0	21.40	21.39	21.31	
1.4	64QAM	3	1	21.40	21.42	21.31	
1.4	64QAM	3	3	21.38	21.36	21.32	
1.4	64QAM	6	0	20.34	20.40	20.32	21.0
1.4	256QAM	1	0	18.73	18.67	18.54	19.5
1.4	256QAM	1	3	18.60	18.73	18.67	
1.4	256QAM	1	5	18.72	18.61	18.54	
1.4	256QAM	3	0	18.62	18.55	18.62	19.5
1.4	256QAM	3	1	18.55	18.68	18.67	
1.4	256QAM	3	3	18.64	18.67	18.56	
1.4	256QAM	6	0	18.57	18.54	18.44	

Band13 Ant0 Default							
BW(MHz)	Mouldulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.46		24.0
10	QPSK	1	25		23.27		
10	QPSK	1	49		23.22		
10	QPSK	25	0		22.40		23.0
10	QPSK	25	12		22.47		
10	QPSK	25	25		22.37		
10	QPSK	50	0		22.38		23.0
10	16QAM	1	0		22.49		
10	16QAM	1	25		22.59		
10	16QAM	1	49		22.49		22.0
10	16QAM	25	0		21.41		
10	16QAM	25	12		21.30		
10	16QAM	25	25		21.32		22.0
10	16QAM	50	0		21.35		
10	64QAM	1	0		21.50		
10	64QAM	1	25		21.54		22.0
10	64QAM	1	49		21.47		
10	64QAM	25	0		20.48		
10	64QAM	25	12		20.26		21.0
10	64QAM	25	25		20.21		
10	64QAM	50	0		20.43		
10	256QAM	1	0		18.65		19.0
10	256QAM	1	25		18.61		
10	256QAM	1	49		18.49		
10	256QAM	25	0		18.41		19.0
10	256QAM	25	12		18.46		
10	256QAM	25	25		18.45		
10	256QAM	50	0		18.39		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.30	23.22	23.28	24.0
5	QPSK	1	12	23.33	23.30	23.35	
5	QPSK	1	24	23.18	23.22	23.25	
5	QPSK	12	0	22.32	22.27	22.37	23.0
5	QPSK	12	7	22.43	22.36	22.37	
5	QPSK	12	13	22.37	22.33	22.39	
5	QPSK	25	0	22.39	22.33	22.37	23.0
5	16QAM	1	0	22.56	22.64	22.60	
5	16QAM	1	12	22.54	22.60	22.41	
5	16QAM	1	24	22.62	22.64	22.60	22.0
5	16QAM	12	0	21.41	21.40	21.43	
5	16QAM	12	7	21.39	21.38	21.47	
5	16QAM	12	13	21.36	21.45	21.39	22.0
5	16QAM	25	0	21.42	21.43	21.37	
5	64QAM	1	0	21.49	21.55	21.49	
5	64QAM	1	12	21.60	21.57	21.47	22.0
5	64QAM	1	24	21.55	21.48	21.45	
5	64QAM	12	0	20.30	20.34	20.41	
5	64QAM	12	7	20.49	20.35	20.44	21.0
5	64QAM	12	13	20.40	20.41	20.42	
5	64QAM	25	0	20.42	20.43	20.37	
5	256QAM	1	0	18.36	18.45	18.63	19.0
5	256QAM	1	12	18.65	18.70	18.53	
5	256QAM	1	24	18.66	18.54	18.49	
5	256QAM	12	0	18.47	18.44	18.47	19.0
5	256QAM	12	7	18.49	18.48	18.46	
5	256QAM	12	13	18.49	18.51	18.47	
5	256QAM	25	0	18.49	18.44	18.41	

Band17 Ant0 Default							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.18	23.31	23.30	24.0
10	QPSK	1	25	23.27	23.29	23.26	
10	QPSK	1	49	23.15	23.17	23.20	
10	QPSK	25	0	22.32	22.32	22.37	23.0
10	QPSK	25	12	22.40	22.39	22.33	
10	QPSK	25	25	22.35	22.38	22.38	
10	QPSK	50	0	22.26	22.34	22.40	23.0
10	16QAM	1	0	22.42	22.38	22.50	
10	16QAM	1	25	22.50	22.38	22.51	
10	16QAM	1	49	22.44	22.30	22.37	22.0
10	16QAM	25	0	21.39	21.29	21.35	
10	16QAM	25	12	21.46	21.32	21.39	
10	16QAM	25	25	21.37	21.40	21.37	22.0
10	16QAM	50	0	21.31	21.25	21.32	
10	64QAM	1	0	21.56	21.28	21.53	
10	64QAM	1	25	21.53	21.69	21.41	21.0
10	64QAM	1	49	21.49	21.39	21.40	
10	64QAM	25	0	20.29	20.31	20.33	
10	64QAM	25	12	20.46	20.29	20.33	19.0
10	64QAM	25	25	20.42	20.37	20.36	
10	64QAM	50	0	20.35	20.32	20.30	
10	256QAM	1	0	18.51	18.57	18.52	19.0
10	256QAM	1	25	18.59	18.61	18.74	
10	256QAM	1	49	18.53	18.46	18.47	
10	256QAM	25	0	18.39	18.46	18.39	19.0
10	256QAM	25	12	18.47	18.40	18.44	
10	256QAM	25	25	18.48	18.50	18.49	
10	256QAM	50	0	18.45	18.45	18.42	Tune-up limit (dBm)
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.19	23.29	23.18	24.0
5	QPSK	1	12	23.22	23.27	23.24	
5	QPSK	1	24	23.18	23.12	23.20	
5	QPSK	12	0	22.33	22.29	22.33	23.0
5	QPSK	12	7	22.41	22.33	22.39	
5	QPSK	12	13	22.33	22.38	22.37	
5	QPSK	25	0	22.29	22.31	22.23	23.0
5	16QAM	1	0	22.42	22.78	22.54	
5	16QAM	1	12	22.58	22.59	22.50	
5	16QAM	1	24	22.53	22.55	22.43	22.0
5	16QAM	12	0	21.33	21.39	21.40	
5	16QAM	12	7	21.42	21.38	21.30	
5	16QAM	12	13	21.32	21.41	21.35	22.0
5	16QAM	25	0	21.31	21.34	21.32	
5	64QAM	1	0	21.56	21.35	21.55	
5	64QAM	1	12	21.45	21.53	21.62	21.0
5	64QAM	1	24	21.25	21.50	21.44	
5	64QAM	12	0	20.27	20.37	20.35	
5	64QAM	12	7	20.38	20.25	20.27	19.0
5	64QAM	12	13	20.33	20.35	20.38	
5	64QAM	25	0	20.32	20.30	20.35	
5	256QAM	1	0	18.38	18.31	18.62	19.0
5	256QAM	1	12	18.59	18.56	18.72	
5	256QAM	1	24	18.66	18.65	18.57	
5	256QAM	12	0	18.38	18.47	18.39	19.0
5	256QAM	12	7	18.45	18.50	18.58	
5	256QAM	12	13	18.45	18.50	18.54	
5	256QAM	25	0	18.47	18.44	18.45	

Band26 Ant0 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid 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	23.21	23.27	23.09	24.0
15	QPSK	1	37	23.23	23.15	23.19	
15	QPSK	1	74	23.08	23.15	23.04	
15	QPSK	36	0	22.20	22.27	22.25	23.0
15	QPSK	36	20	22.33	22.21	22.15	
15	QPSK	36	39	22.24	22.29	22.18	
15	QPSK	75	0	22.33	22.30	22.21	23.0
15	16QAM	1	0	22.42	22.43	22.28	
15	16QAM	1	37	22.51	22.50	22.37	
15	16QAM	1	74	22.50	22.29	22.22	22.0
15	16QAM	36	0	21.23	21.25	21.10	
15	16QAM	36	20	21.35	21.23	21.23	
15	16QAM	36	39	21.16	21.17	21.32	22.0
15	16QAM	75	0	21.40	21.27	21.24	
15	64QAM	1	0	21.50	21.54	21.52	
15	64QAM	1	37	21.49	21.42	21.41	22.0
15	64QAM	1	74	21.35	21.48	21.29	
15	64QAM	36	0	20.15	20.28	20.02	21.0
15	64QAM	36	20	20.36	20.31	20.13	
15	64QAM	36	39	20.35	20.16	20.29	
15	64QAM	75	0	20.38	20.27	20.22	19.0
15	256QAM	1	0	18.33	18.43	18.43	
15	256QAM	1	37	18.65	18.63	18.51	
15	256QAM	1	74	18.35	18.30	18.41	19.0
15	256QAM	36	0	18.28	18.24	18.34	
15	256QAM	36	20	18.40	18.34	18.29	
15	256QAM	36	39	18.41	18.43	18.32	19.0
15	256QAM	75	0	18.32	18.32	18.35	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.21	23.09	23.12	24.0
10	QPSK	1	25	23.21	23.19	23.19	
10	QPSK	1	49	23.20	23.12	23.04	
10	QPSK	25	0	22.35	22.30	22.21	23.0
10	QPSK	25	12	22.32	22.39	22.16	
10	QPSK	25	25	22.29	22.27	22.24	
10	QPSK	50	0	22.30	22.27	22.17	23.0
10	16QAM	1	0	22.48	22.51	22.50	
10	16QAM	1	25	22.46	22.51	22.47	
10	16QAM	1	49	22.44	22.44	22.23	22.0
10	16QAM	25	0	21.34	21.29	21.30	
10	16QAM	25	12	21.41	21.39	21.21	
10	16QAM	25	25	21.39	21.34	21.24	22.0
10	16QAM	50	0	21.38	21.28	21.17	
10	64QAM	1	0	21.36	21.32	21.43	
10	64QAM	1	25	21.59	21.52	21.29	22.0
10	64QAM	1	49	21.40	21.40	21.23	
10	64QAM	25	0	20.41	20.27	20.25	
10	64QAM	25	12	20.41	20.36	20.26	21.0
10	64QAM	25	25	20.35	20.36	20.34	
10	64QAM	50	0	20.38	20.23	20.17	
10	256QAM	1	0	18.48	18.32	18.38	19.0
10	256QAM	1	25	18.65	18.68	18.44	
10	256QAM	1	49	18.28	18.56	18.30	
10	256QAM	25	0	18.34	18.30	18.28	19.0
10	256QAM	25	12	18.31	18.38	18.37	
10	256QAM	25	25	18.29	18.33	18.31	
10	256QAM	50	0	18.31	18.33	18.24	

Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.11	23.04	23.11	24.0
5	QPSK	1	12	23.22	23.21	23.15	
5	QPSK	1	24	23.21	23.16	22.99	
5	QPSK	12	0	22.32	22.25	22.22	23.0
5	QPSK	12	7	22.34	22.39	22.27	
5	QPSK	12	13	22.30	22.26	22.21	
5	QPSK	25	0	22.31	22.29	22.26	
5	16QAM	1	0	22.36	22.47	22.39	23.0
5	16QAM	1	12	22.47	22.53	22.48	
5	16QAM	1	24	22.35	22.38	22.31	
5	16QAM	12	0	21.28	21.30	21.27	22.0
5	16QAM	12	7	21.40	21.43	21.24	
5	16QAM	12	13	21.41	21.33	21.21	
5	16QAM	25	0	21.35	21.29	21.25	
5	64QAM	1	0	21.50	21.46	21.43	22.0
5	64QAM	1	12	21.48	21.65	21.53	
5	64QAM	1	24	21.50	21.36	21.28	
5	64QAM	12	0	20.30	20.26	20.30	
5	64QAM	12	7	20.34	20.39	20.29	21.0
5	64QAM	12	13	20.34	20.30	20.19	
5	64QAM	25	0	20.36	20.26	20.24	
5	256QAM	1	0	18.43	18.29	18.49	19.0
5	256QAM	1	12	18.36	18.43	18.40	
5	256QAM	1	24	18.50	18.53	18.32	
5	256QAM	12	0	18.42	18.29	18.36	19.0
5	256QAM	12	7	18.46	18.38	18.23	
5	256QAM	12	13	18.32	18.42	18.24	
5	256QAM	25	0	18.42	18.35	18.26	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.16	23.05	23.00	24.0
3	QPSK	1	8	23.24	23.21	23.11	
3	QPSK	1	14	23.18	23.16	22.97	
3	QPSK	8	0	23.22	23.18	23.08	23.0
3	QPSK	8	4	23.19	23.16	23.04	
3	QPSK	8	7	23.18	23.16	23.01	
3	QPSK	15	0	22.28	22.27	22.22	
3	16QAM	1	0	22.35	22.31	22.23	23.0
3	16QAM	1	8	22.43	22.44	22.31	
3	16QAM	1	14	22.27	22.32	22.25	
3	16QAM	8	0	22.31	22.33	22.17	22.0
3	16QAM	8	4	22.39	22.29	22.27	
3	16QAM	8	7	22.41	22.33	22.16	
3	16QAM	15	0	21.33	21.35	21.09	
3	64QAM	1	0	21.31	21.33	21.17	22.0
3	64QAM	1	8	21.46	21.47	21.26	
3	64QAM	1	14	21.45	21.43	21.26	
3	64QAM	8	0	21.40	21.31	21.28	21.0
3	64QAM	8	4	21.33	21.42	21.25	
3	64QAM	8	7	21.37	21.29	21.20	
3	64QAM	15	0	20.40	20.37	20.26	
3	256QAM	1	0	18.40	18.27	18.39	19.0
3	256QAM	1	8	18.35	18.41	18.30	
3	256QAM	1	14	18.37	18.50	18.28	
3	256QAM	8	0	18.35	18.38	18.20	19.0
3	256QAM	8	4	18.39	18.28	18.25	
3	256QAM	8	7	18.38	18.39	18.16	
3	256QAM	15	0	18.33	18.33	18.18	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	22.89	22.75	22.65	24.0
1.4	QPSK	1	3	22.91	22.82	22.64	

1.4	QPSK	1	5	22.84	22.71	22.58	
1.4	QPSK	3	0	22.93	22.88	22.71	24.0
1.4	QPSK	3	1	22.93	22.86	22.63	
1.4	QPSK	3	3	22.89	22.83	22.63	
1.4	QPSK	6	0	21.96	21.85	21.78	
1.4	16QAM	1	0	22.13	21.98	21.85	23.0
1.4	16QAM	1	3	22.17	22.00	21.85	
1.4	16QAM	1	5	21.90	22.09	21.91	
1.4	16QAM	3	0	22.01	21.89	21.86	23.0
1.4	16QAM	3	1	22.10	22.09	21.87	
1.4	16QAM	3	3	21.95	22.07	21.86	
1.4	16QAM	6	0	20.97	20.98	20.79	22.0
1.4	64QAM	1	0	21.09	20.87	20.96	
1.4	64QAM	1	3	21.06	21.14	20.96	
1.4	64QAM	1	5	21.14	21.02	20.93	
1.4	64QAM	3	0	21.09	21.04	20.92	22.0
1.4	64QAM	3	1	21.01	20.99	20.84	
1.4	64QAM	3	3	21.02	21.02	20.82	
1.4	64QAM	6	0	19.98	19.96	19.87	21.0
1.4	256QAM	1	0	18.10	18.11	17.92	19.0
1.4	256QAM	1	3	18.17	18.06	17.97	
1.4	256QAM	1	5	18.19	17.95	17.89	
1.4	256QAM	3	0	18.04	18.00	17.87	19.0
1.4	256QAM	3	1	18.20	17.96	17.89	
1.4	256QAM	3	3	17.99	17.99	17.89	
1.4	256QAM	6	0	17.99	18.04	17.87	

Band2 Ant1 Default							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.58	22.91	22.45	23.5
20	QPSK	1	49	22.36	22.30	22.14	
20	QPSK	1	99	22.19	22.43	22.57	
20	QPSK	50	0	21.28	21.44	21.55	22.5
20	QPSK	50	24	21.22	21.52	21.41	
20	QPSK	50	50	21.17	21.58	21.07	
20	QPSK	100	0	21.18	21.51	21.47	
20	16QAM	1	0	21.52	21.26	21.85	22.5
20	16QAM	1	49	21.35	22.08	21.79	
20	16QAM	1	99	21.26	21.84	21.03	
20	16QAM	50	0	20.33	20.45	20.61	21.5
20	16QAM	50	24	20.16	20.56	20.38	
20	16QAM	50	50	20.21	20.64	20.10	
20	16QAM	100	0	20.20	20.52	20.39	
20	64QAM	1	0	20.53	20.28	20.67	21.5
20	64QAM	1	49	20.31	20.55	20.48	
20	64QAM	1	99	20.17	20.78	19.89	
20	64QAM	50	0	19.27	19.47	19.58	20.5
20	64QAM	50	24	19.16	19.57	19.46	
20	64QAM	50	50	19.16	19.62	19.06	
20	64QAM	100	0	19.15	19.55	19.39	
20	256QAM	1	0	17.64	17.73	18.04	18.5
20	256QAM	1	49	17.61	18.00	17.78	
20	256QAM	1	99	17.65	18.25	17.25	
20	256QAM	50	0	17.60	17.71	17.87	18.5
20	256QAM	50	24	17.44	17.86	17.65	
20	256QAM	50	50	17.43	17.96	17.39	
20	256QAM	100	0	17.50	17.82	17.70	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.81	22.51	22.88	23.5
15	QPSK	1	37	22.71	22.80	22.84	
15	QPSK	1	74	22.56	22.83	22.58	
15	QPSK	36	0	22.02	21.91	22.11	22.5
15	QPSK	36	20	21.82	22.01	22.07	
15	QPSK	39	39	21.82	22.07	21.86	
15	QPSK	75	0	21.86	21.87	21.98	
15	16QAM	1	0	22.24	21.84	22.36	22.5
15	16QAM	1	37	21.88	21.94	22.05	
15	16QAM	1	74	22.20	22.15	21.95	
15	16QAM	36	0	21.01	20.93	21.12	21.5
15	16QAM	36	20	20.87	21.02	21.09	
15	16QAM	39	39	20.86	21.08	20.98	
15	16QAM	75	0	20.88	21.00	21.09	
15	64QAM	1	0	21.20	20.77	21.18	21.5
15	64QAM	1	37	20.96	21.16	21.13	
15	64QAM	1	74	20.97	21.24	20.89	
15	64QAM	36	0	20.04	19.94	20.13	20.5
15	64QAM	36	20	19.79	19.97	20.10	
15	64QAM	39	39	19.78	20.13	19.92	
15	64QAM	75	0	19.89	19.94	20.04	
15	256QAM	1	0	18.22	17.93	18.13	18.5
15	256QAM	1	37	17.99	18.16	18.10	
15	256QAM	1	74	17.91	18.24	18.04	
15	256QAM	36	0	18.02	17.90	18.14	18.5
15	256QAM	36	20	17.81	17.93	18.10	
15	256QAM	39	39	17.83	18.07	17.88	
15	256QAM	75	0	17.94	17.98	18.08	

Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	22.88	22.82	22.84	23.5
10	QPSK	1	25	22.85	22.76	22.90	
10	QPSK	1	49	22.90	22.89	22.76	
10	QPSK	25	0	22.22	22.07	22.16	22.5
10	QPSK	25	12	22.16	22.17	22.15	
10	QPSK	25	25	22.06	22.17	22.09	
10	QPSK	50	0	22.13	22.10	22.09	
10	16QAM	1	0	22.31	22.16	22.32	22.5
10	16QAM	1	25	22.34	22.17	22.33	
10	16QAM	1	49	22.19	22.35	22.00	
10	16QAM	25	0	21.26	21.18	21.15	21.5
10	16QAM	25	12	21.15	21.11	21.16	
10	16QAM	25	25	21.00	21.20	21.05	
10	16QAM	50	0	21.03	21.13	21.09	
10	64QAM	1	0	21.36	21.10	21.43	21.5
10	64QAM	1	25	21.43	21.32	21.25	
10	64QAM	1	49	21.22	21.23	21.16	
10	64QAM	25	0	20.31	20.12	20.10	20.5
10	64QAM	25	12	20.09	20.16	20.17	
10	64QAM	25	25	20.09	20.23	20.06	
10	64QAM	50	0	20.05	20.11	20.16	
10	256QAM	1	0	18.13	18.13	18.46	19.0
10	256QAM	1	25	18.36	18.30	18.26	
10	256QAM	1	49	18.12	18.28	18.17	
10	256QAM	25	0	18.19	18.20	18.19	19.0
10	256QAM	25	12	18.21	18.21	18.17	
10	256QAM	25	25	18.10	18.19	18.10	
10	256QAM	50	0	18.11	18.15	18.20	
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.61	22.49	22.08	23.5
5	QPSK	1	12	22.59	22.63	22.01	
5	QPSK	1	24	22.47	22.56	21.82	
5	QPSK	12	0	21.81	21.70	21.22	22.5
5	QPSK	12	7	21.71	21.75	21.24	
5	QPSK	12	13	21.67	21.70	21.07	
5	QPSK	25	0	21.70	21.69	21.17	
5	16QAM	1	0	22.02	21.68	21.39	22.5
5	16QAM	1	12	22.11	21.89	21.48	
5	16QAM	1	24	21.97	21.95	21.22	
5	16QAM	12	0	20.73	20.73	20.26	21.5
5	16QAM	12	7	20.76	20.77	20.19	
5	16QAM	12	13	20.73	20.64	20.11	
5	16QAM	25	0	20.68	20.72	20.20	
5	64QAM	1	0	21.01	20.81	20.35	21.5
5	64QAM	1	12	20.71	20.86	20.20	
5	64QAM	1	24	20.83	21.02	20.13	
5	64QAM	12	0	19.83	19.75	19.24	20.5
5	64QAM	12	7	19.81	19.71	19.22	
5	64QAM	12	13	19.73	19.64	19.11	
5	64QAM	25	0	19.75	19.65	19.17	
5	256QAM	1	0	18.03	17.84	17.39	18.5
5	256QAM	1	12	17.89	17.71	17.37	
5	256QAM	1	24	17.90	17.73	17.19	
5	256QAM	12	0	17.80	17.72	17.28	18.5
5	256QAM	12	7	17.87	17.76	17.23	
5	256QAM	12	13	17.77	17.74	17.18	
5	256QAM	25	0	17.73	17.67	17.22	
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.66	22.62	21.91	23.5
3	QPSK	1	8	22.64	22.60	21.97	

3	QPSK	1	14	22.57	22.62	21.72	22.5
3	QPSK	8	0	21.81	21.65	21.12	
3	QPSK	8	4	21.83	21.67	21.15	
3	QPSK	8	7	21.78	21.64	21.10	
3	QPSK	15	0	21.87	21.64	21.08	22.5
3	16QAM	1	0	22.11	21.77	21.22	
3	16QAM	1	8	21.84	21.91	21.20	
3	16QAM	1	14	21.80	21.98	21.14	21.5
3	16QAM	8	0	20.82	20.80	20.16	
3	16QAM	8	4	20.86	20.74	20.12	
3	16QAM	8	7	20.84	20.71	20.15	
3	16QAM	15	0	20.79	20.66	20.11	21.5
3	64QAM	1	0	20.87	20.74	20.25	
3	64QAM	1	8	20.98	20.95	20.26	
3	64QAM	1	14	20.75	20.86	20.15	20.5
3	64QAM	8	0	19.83	19.72	19.12	
3	64QAM	8	4	19.80	19.70	19.12	
3	64QAM	8	7	19.75	19.68	19.08	
3	64QAM	15	0	19.86	19.71	19.14	18.5
3	256QAM	1	0	17.98	17.71	17.23	
3	256QAM	1	8	17.96	17.76	17.17	
3	256QAM	1	14	17.78	17.81	17.15	18.5
3	256QAM	8	0	17.85	17.77	17.13	
3	256QAM	8	4	17.82	17.80	17.16	
3	256QAM	8	7	17.80	17.79	17.14	
3	256QAM	15	0	17.80	17.78	17.19	Tune-up limit (dBm)
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.64	22.52	21.91	23.5
1.4	QPSK	1	3	22.67	22.62	21.91	
1.4	QPSK	1	5	22.62	22.60	21.82	
1.4	QPSK	3	0	22.67	22.60	21.87	23.0
1.4	QPSK	3	1	22.72	22.58	21.85	
1.4	QPSK	3	3	22.64	22.56	21.83	
1.4	QPSK	6	0	21.85	21.75	21.02	22.5
1.4	16QAM	1	0	21.96	21.71	21.05	
1.4	16QAM	1	3	22.07	21.93	21.11	
1.4	16QAM	1	5	22.00	21.86	21.11	
1.4	16QAM	3	0	21.86	21.72	21.05	21.5
1.4	16QAM	3	1	21.82	21.88	20.99	
1.4	16QAM	3	3	21.82	21.85	21.05	
1.4	16QAM	6	0	20.79	20.58	20.10	21.0
1.4	64QAM	1	0	20.95	20.78	20.13	
1.4	64QAM	1	3	20.88	20.78	20.17	
1.4	64QAM	1	5	20.89	20.73	20.04	
1.4	64QAM	3	0	20.76	20.74	20.10	21.5
1.4	64QAM	3	1	20.92	20.77	20.11	
1.4	64QAM	3	3	20.79	20.68	20.07	
1.4	64QAM	6	0	19.82	19.64	19.06	20.5
1.4	256QAM	1	0	17.97	17.94	17.22	18.5
1.4	256QAM	1	3	17.98	17.91	17.16	
1.4	256QAM	1	5	17.91	17.76	17.28	
1.4	256QAM	3	0	17.94	17.79	17.09	18.5
1.4	256QAM	3	1	17.84	17.81	17.08	
1.4	256QAM	3	3	17.97	17.64	17.08	
1.4	256QAM	6	0	17.83	17.68	17.10	

Band4 Ant1 Default							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.98	23.01	22.78	24.0
20	QPSK	1	49	22.71	22.84	22.74	
20	QPSK	1	99	22.73	22.68	22.93	
20	QPSK	50	0	21.88	21.71	21.92	22.5
20	QPSK	50	24	21.85	21.84	21.90	
20	QPSK	50	50	21.91	21.93	21.95	
20	QPSK	100	0	21.91	21.86	22.00	
20	16QAM	1	0	22.39	21.83	22.10	22.5
20	16QAM	1	49	21.97	21.94	21.97	
20	16QAM	1	99	22.09	22.26	22.33	
20	16QAM	50	0	20.87	20.70	20.89	21.5
20	16QAM	50	24	20.94	20.85	20.89	
20	16QAM	50	50	20.90	20.92	20.94	
20	16QAM	100	0	20.85	20.77	20.93	
20	64QAM	1	0	20.87	20.83	20.94	21.5
20	64QAM	1	49	20.85	20.96	20.84	
20	64QAM	1	99	20.96	20.84	21.24	
20	64QAM	50	0	19.85	19.83	19.81	20.5
20	64QAM	50	24	19.82	19.87	19.93	
20	64QAM	50	50	19.93	19.94	19.94	
20	64QAM	100	0	19.89	19.84	20.02	
20	256QAM	1	0	17.92	17.84	18.02	19.0
20	256QAM	1	49	17.80	17.96	18.01	
20	256QAM	1	99	18.03	18.04	18.03	
20	256QAM	50	0	17.87	17.76	17.87	19.0
20	256QAM	50	24	17.87	17.80	17.96	
20	256QAM	50	50	17.95	17.86	18.00	
20	256QAM	100	0	17.94	17.94	17.96	
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.66	22.62	22.65	24.0
15	QPSK	1	37	22.65	22.69	22.71	
15	QPSK	1	74	22.71	22.73	22.87	
15	QPSK	36	0	21.86	21.88	21.84	22.5
15	QPSK	36	20	21.85	21.91	21.99	
15	QPSK	39	39	21.88	21.90	21.94	
15	QPSK	75	0	21.91	21.91	21.97	
15	16QAM	1	0	22.00	21.88	21.76	22.5
15	16QAM	1	37	21.89	22.02	21.99	
15	16QAM	1	74	22.19	21.95	22.14	
15	16QAM	36	0	20.94	20.87	20.84	21.5
15	16QAM	36	20	20.86	20.84	20.97	
15	16QAM	39	39	20.99	20.90	20.95	
15	16QAM	75	0	20.91	20.93	20.99	
15	64QAM	1	0	20.76	21.08	21.01	21.5
15	64QAM	1	37	20.98	20.90	21.00	
15	64QAM	1	74	20.93	21.07	21.25	
15	64QAM	36	0	19.88	19.90	19.87	20.5
15	64QAM	36	20	19.88	19.85	20.03	
15	64QAM	39	39	19.97	19.93	19.98	
15	64QAM	75	0	19.93	19.86	20.01	
15	256QAM	1	0	17.92	17.86	17.73	19.0
15	256QAM	1	37	18.04	17.88	17.96	
15	256QAM	1	74	18.13	18.02	18.16	
15	256QAM	36	0	17.86	17.97	17.92	19.0
15	256QAM	36	20	17.85	17.86	17.94	
15	256QAM	39	39	17.87	17.87	17.93	
15	256QAM	75	0	17.89	17.90	18.02	

Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.92	22.87	22.84	24.0
10	QPSK	1	25	22.93	22.90	22.99	
10	QPSK	1	49	22.92	22.86	22.91	
10	QPSK	25	0	22.12	22.09	22.10	22.5
10	QPSK	25	12	22.05	22.04	22.15	
10	QPSK	25	25	22.10	22.04	22.21	
10	QPSK	50	0	22.08	22.06	22.17	
10	16QAM	1	0	22.11	22.14	22.03	22.5
10	16QAM	1	25	22.20	22.24	22.33	
10	16QAM	1	49	22.18	21.97	22.22	
10	16QAM	25	0	21.08	21.13	21.07	21.5
10	16QAM	25	12	21.19	21.05	21.18	
10	16QAM	25	25	21.15	21.06	21.24	
10	16QAM	50	0	21.06	20.98	21.20	
10	64QAM	1	0	21.17	21.15	21.07	21.5
10	64QAM	1	25	21.16	21.12	21.22	
10	64QAM	1	49	21.16	20.93	21.24	
10	64QAM	25	0	20.06	20.04	20.09	20.5
10	64QAM	25	12	20.10	20.00	20.16	
10	64QAM	25	25	20.07	20.08	20.21	
10	64QAM	50	0	20.08	20.10	20.13	
10	256QAM	1	0	18.15	18.26	18.16	19.0
10	256QAM	1	25	18.25	18.43	18.27	
10	256QAM	1	49	18.23	18.13	18.32	
10	256QAM	25	0	18.09	18.10	18.11	19.0
10	256QAM	25	12	18.21	18.02	18.15	
10	256QAM	25	25	18.13	18.15	18.24	
10	256QAM	50	0	18.12	18.05	18.19	
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.95	22.88	22.96	24.0
5	QPSK	1	12	23.00	22.91	23.00	
5	QPSK	1	24	22.90	22.89	22.98	
5	QPSK	12	0	22.11	22.02	22.13	22.5
5	QPSK	12	7	22.08	22.05	22.22	
5	QPSK	12	13	22.08	22.00	22.22	
5	QPSK	25	0	22.12	21.99	22.15	
5	16QAM	1	0	22.01	22.08	22.26	22.5
5	16QAM	1	12	22.38	22.11	22.42	
5	16QAM	1	24	22.39	22.19	22.45	
5	16QAM	12	0	21.12	21.15	21.14	21.5
5	16QAM	12	7	21.15	21.08	21.23	
5	16QAM	12	13	21.14	21.04	21.27	
5	16QAM	25	0	21.09	21.03	21.18	
5	64QAM	1	0	21.29	21.03	21.03	21.5
5	64QAM	1	12	21.20	21.26	21.28	
5	64QAM	1	24	21.16	21.07	21.35	
5	64QAM	12	0	20.15	20.09	20.10	20.5
5	64QAM	12	7	20.15	20.11	20.24	
5	64QAM	12	13	20.05	20.14	20.24	
5	64QAM	25	0	20.09	20.06	20.11	
5	256QAM	1	0	18.35	18.12	18.10	19.0
5	256QAM	1	12	18.36	18.27	18.33	
5	256QAM	1	24	18.17	18.22	18.38	
5	256QAM	12	0	18.11	18.05	18.20	19.0
5	256QAM	12	7	18.16	18.15	18.17	
5	256QAM	12	13	18.12	18.08	18.26	
5	256QAM	25	0	18.06	18.01	18.12	
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.88	22.78	22.88	24.0
3	QPSK	1	8	22.96	22.94	22.99	

3	QPSK	1	14	22.90	22.83	22.98	22.5
3	QPSK	8	0	22.08	22.01	22.09	
3	QPSK	8	4	22.14	22.03	22.15	
3	QPSK	8	7	22.04	21.99	22.11	
3	QPSK	15	0	22.10	22.02	22.21	22.5
3	16QAM	1	0	22.17	22.19	22.18	
3	16QAM	1	8	22.33	22.21	22.40	
3	16QAM	1	14	22.12	22.11	22.39	21.5
3	16QAM	8	0	21.16	21.04	21.15	
3	16QAM	8	4	21.22	21.02	21.24	
3	16QAM	8	7	21.12	21.05	21.20	
3	16QAM	15	0	21.11	21.04	21.18	21.5
3	64QAM	1	0	21.09	21.25	21.19	
3	64QAM	1	8	21.20	21.21	21.44	
3	64QAM	1	14	21.21	21.03	21.20	20.5
3	64QAM	8	0	20.16	20.06	20.17	
3	64QAM	8	4	20.14	20.13	20.24	
3	64QAM	8	7	20.15	20.06	20.26	
3	64QAM	15	0	20.07	20.06	20.22	19.0
3	256QAM	1	0	18.26	18.16	18.35	
3	256QAM	1	8	18.28	18.10	18.45	
3	256QAM	1	14	18.13	18.13	18.31	19.0
3	256QAM	8	0	18.13	17.98	18.24	
3	256QAM	8	4	18.19	18.05	18.24	
3	256QAM	8	7	18.06	17.99	18.21	
3	256QAM	15	0	18.14	17.97	18.22	Tune-up limit
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.92	22.82	22.91	24.0
1.4	QPSK	1	3	22.96	22.91	22.98	
1.4	QPSK	1	5	22.86	22.86	22.99	
1.4	QPSK	3	0	22.91	22.84	23.00	23.5
1.4	QPSK	3	1	22.91	22.93	22.95	
1.4	QPSK	3	3	22.93	22.93	22.97	
1.4	QPSK	6	0	22.05	21.97	22.19	
1.4	16QAM	1	0	22.24	22.19	22.27	22.5
1.4	16QAM	1	3	22.28	22.29	22.17	
1.4	16QAM	1	5	22.26	22.14	22.24	
1.4	16QAM	3	0	22.10	22.13	22.15	22.5
1.4	16QAM	3	1	22.11	22.08	22.12	
1.4	16QAM	3	3	22.20	22.02	22.15	
1.4	16QAM	6	0	21.10	20.95	21.21	21.5
1.4	64QAM	1	0	21.15	20.98	21.14	21.5
1.4	64QAM	1	3	21.24	21.11	21.27	
1.4	64QAM	1	5	20.99	20.93	21.27	
1.4	64QAM	3	0	21.16	21.11	21.21	21.5
1.4	64QAM	3	1	21.17	21.08	21.12	
1.4	64QAM	3	3	21.05	21.12	21.21	
1.4	64QAM	6	0	20.14	19.94	20.25	20.5
1.4	256QAM	1	0	18.03	18.06	18.34	19.0
1.4	256QAM	1	3	18.25	18.06	18.39	
1.4	256QAM	1	5	18.22	18.11	18.23	
1.4	256QAM	3	0	18.23	18.12	18.17	19.0
1.4	256QAM	3	1	18.16	18.14	18.18	
1.4	256QAM	3	3	18.21	18.06	18.29	
1.4	256QAM	6	0	18.15	17.98	18.10	

Band66 Ant1 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.44	23.06	22.65	24.0
20	QPSK	1	49	22.28	22.73	22.59	
20	QPSK	1	99	22.41	22.77	22.71	
20	QPSK	50	0	21.58	21.58	21.67	22.5
20	QPSK	50	24	21.48	21.67	21.92	
20	QPSK	50	50	21.51	21.79	21.95	
20	QPSK	100	0	21.48	21.65	21.85	
20	16QAM	1	0	21.61	21.65	21.69	22.5
20	16QAM	1	49	21.85	21.93	22.10	
20	16QAM	1	99	21.81	22.26	22.10	
20	16QAM	50	0	20.56	20.60	20.75	21.5
20	16QAM	50	24	20.49	20.68	20.89	
20	16QAM	50	50	20.53	20.80	20.89	
20	16QAM	100	0	20.56	20.67	20.87	
20	64QAM	1	0	20.69	20.50	20.83	21.5
20	64QAM	1	49	20.64	20.64	20.87	
20	64QAM	1	99	20.79	20.96	20.98	
20	64QAM	50	0	19.54	19.60	19.73	20.5
20	64QAM	50	24	19.47	19.68	19.85	
20	64QAM	50	50	19.52	19.82	19.89	
20	64QAM	100	0	19.46	19.64	19.85	
20	256QAM	1	0	17.96	18.02	18.26	19.0
20	256QAM	1	49	17.95	18.10	18.20	
20	256QAM	1	99	18.04	18.18	18.42	
20	256QAM	50	0	17.87	17.93	18.00	19.0
20	256QAM	50	24	17.88	17.96	18.17	
20	256QAM	50	50	17.82	18.11	18.21	
20	256QAM	100	0	17.81	17.98	18.19	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.52	22.23	22.44	24.0
15	QPSK	1	37	22.66	22.47	22.60	
15	QPSK	1	74	22.55	22.73	22.75	
15	QPSK	36	0	21.89	21.50	21.67	22.5
15	QPSK	36	20	21.97	21.56	21.83	
15	QPSK	39	39	21.74	21.72	21.86	
15	QPSK	75	0	21.85	21.64	21.84	
15	16QAM	1	0	22.12	21.84	21.76	22.5
15	16QAM	1	37	22.24	21.72	21.83	
15	16QAM	1	74	21.84	22.08	22.13	
15	16QAM	36	0	20.88	20.67	20.77	21.5
15	16QAM	36	20	20.88	20.61	20.84	
15	16QAM	39	39	20.74	20.71	20.86	
15	16QAM	75	0	20.86	20.63	20.86	
15	64QAM	1	0	20.89	20.61	20.73	21.5
15	64QAM	1	37	21.03	20.82	21.03	
15	64QAM	1	74	20.81	21.04	21.11	
15	64QAM	36	0	19.82	19.66	19.84	20.5
15	64QAM	36	20	19.90	19.65	19.89	
15	64QAM	39	39	19.83	19.77	19.85	
15	64QAM	75	0	19.87	19.59	19.86	
15	256QAM	1	0	18.07	17.89	17.96	19.0
15	256QAM	1	37	18.46	18.10	18.12	
15	256QAM	1	74	18.00	18.25	18.26	
15	256QAM	36	0	18.21	17.96	18.11	19.0
15	256QAM	36	20	18.19	17.93	18.13	
15	256QAM	39	39	18.13	18.04	18.20	
15	256QAM	75	0	18.24	17.98	18.19	

Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	22.63	22.54	22.74	24.0
10	QPSK	1	25	22.69	22.74	22.91	
10	QPSK	1	49	22.52	22.70	22.90	
10	QPSK	25	0	21.97	21.80	21.99	22.5
10	QPSK	25	12	21.90	21.85	22.01	
10	QPSK	25	25	21.83	21.79	21.96	
10	QPSK	50	0	21.85	21.75	22.04	
10	16QAM	1	0	21.99	21.70	21.94	22.5
10	16QAM	1	25	22.17	21.97	22.24	
10	16QAM	1	49	21.80	22.03	22.01	
10	16QAM	25	0	20.87	20.79	20.98	21.5
10	16QAM	25	12	20.89	20.97	21.12	
10	16QAM	25	25	20.86	20.88	21.04	
10	16QAM	50	0	20.87	20.68	21.05	
10	64QAM	1	0	20.84	20.87	20.82	21.5
10	64QAM	1	25	20.94	20.98	21.00	
10	64QAM	1	49	20.61	21.11	21.27	
10	64QAM	25	0	19.88	19.87	19.99	20.5
10	64QAM	25	12	19.94	19.85	20.07	
10	64QAM	25	25	19.86	19.87	20.06	
10	64QAM	50	0	19.88	19.77	20.06	
10	256QAM	1	0	18.34	18.10	18.46	19.0
10	256QAM	1	25	18.28	18.18	18.51	
10	256QAM	1	49	18.13	18.47	18.50	
10	256QAM	25	0	18.27	18.15	18.36	19.0
10	256QAM	25	12	18.18	18.19	18.40	
10	256QAM	25	25	18.16	18.16	18.37	
10	256QAM	50	0	18.16	18.15	18.28	
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	22.71	22.64	22.76	24.0
5	QPSK	1	12	22.92	22.70	22.83	
5	QPSK	1	24	22.77	22.67	22.88	
5	QPSK	12	0	21.99	21.79	21.98	22.5
5	QPSK	12	7	22.02	21.75	22.04	
5	QPSK	12	13	21.99	21.78	22.05	
5	QPSK	25	0	22.06	21.74	22.01	
5	16QAM	1	0	22.01	21.98	22.21	22.5
5	16QAM	1	12	22.14	22.09	22.23	
5	16QAM	1	24	21.96	22.10	22.35	
5	16QAM	12	0	21.00	20.88	21.00	21.5
5	16QAM	12	7	21.13	20.86	21.08	
5	16QAM	12	13	21.00	20.80	21.11	
5	16QAM	25	0	20.98	20.81	21.04	
5	64QAM	1	0	21.20	20.72	21.12	21.5
5	64QAM	1	12	21.01	20.85	21.05	
5	64QAM	1	24	20.86	20.96	21.17	
5	64QAM	12	0	20.10	19.83	19.99	20.5
5	64QAM	12	7	20.03	19.79	20.08	
5	64QAM	12	13	20.00	19.82	20.08	
5	64QAM	25	0	20.09	19.79	20.00	
5	256QAM	1	0	18.31	18.15	18.32	19.0
5	256QAM	1	12	18.40	18.20	18.57	
5	256QAM	1	24	18.35	18.10	18.46	
5	256QAM	12	0	18.34	18.12	18.32	19.0
5	256QAM	12	7	18.39	18.18	18.41	
5	256QAM	12	13	18.33	18.15	18.45	
5	256QAM	25	0	18.34	18.09	18.36	
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	22.92	22.52	22.71	24.0
3	QPSK	1	8	22.81	22.72	22.87	

3	QPSK	1	14	22.76	22.67	22.78	22.5
3	QPSK	8	0	21.93	21.78	22.01	
3	QPSK	8	4	22.02	21.85	22.06	
3	QPSK	8	7	21.96	21.71	21.96	
3	QPSK	15	0	21.98	21.73	22.02	
3	16QAM	1	0	22.01	22.02	21.97	22.5
3	16QAM	1	8	22.11	22.10	22.13	
3	16QAM	1	14	22.13	21.80	22.20	
3	16QAM	8	0	20.96	20.92	21.03	21.5
3	16QAM	8	4	21.04	20.90	21.10	
3	16QAM	8	7	21.02	20.78	21.02	
3	16QAM	15	0	21.02	20.73	21.03	
3	64QAM	1	0	20.98	20.91	21.05	21.5
3	64QAM	1	8	21.21	20.99	21.18	
3	64QAM	1	14	21.12	20.87	21.11	
3	64QAM	8	0	19.96	19.85	20.05	20.5
3	64QAM	8	4	20.06	19.81	20.08	
3	64QAM	8	7	20.00	19.84	20.03	
3	64QAM	15	0	20.02	19.79	20.05	
3	256QAM	1	0	18.16	18.18	18.29	19.0
3	256QAM	1	8	18.47	18.39	18.37	
3	256QAM	1	14	18.26	18.11	18.33	
3	256QAM	8	0	18.32	18.14	18.23	19.0
3	256QAM	8	4	18.31	18.22	18.43	
3	256QAM	8	7	18.24	18.17	18.26	
3	256QAM	15	0	18.24	18.08	18.40	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.72	22.58	22.79	24.0
1.4	QPSK	1	3	22.78	22.62	22.85	
1.4	QPSK	1	5	22.72	22.59	22.80	
1.4	QPSK	3	0	21.91	22.71	22.86	23.0
1.4	QPSK	3	1	21.92	22.68	22.86	
1.4	QPSK	3	3	21.90	22.73	22.87	
1.4	QPSK	6	0	21.89	21.84	21.98	
1.4	16QAM	1	0	21.98	21.85	22.02	22.5
1.4	16QAM	1	3	22.09	21.82	22.12	
1.4	16QAM	1	5	22.01	21.88	21.97	
1.4	16QAM	3	0	20.95	21.83	22.04	22.5
1.4	16QAM	3	1	20.99	21.80	22.02	
1.4	16QAM	3	3	20.96	21.96	22.07	
1.4	16QAM	6	0	20.93	20.80	21.03	21.5
1.4	64QAM	1	0	21.06	20.92	20.96	21.5
1.4	64QAM	1	3	21.10	21.13	21.03	
1.4	64QAM	1	5	20.90	20.83	20.92	
1.4	64QAM	3	0	19.96	20.86	21.03	20.5
1.4	64QAM	3	1	19.95	20.85	21.11	
1.4	64QAM	3	3	19.95	20.83	21.02	
1.4	64QAM	6	0	19.93	19.83	20.06	20.5
1.4	256QAM	1	0	18.41	18.13	18.32	19.0
1.4	256QAM	1	3	18.47	18.35	18.35	
1.4	256QAM	1	5	18.19	18.27	18.48	
1.4	256QAM	3	0	18.30	18.23	18.26	19.0
1.4	256QAM	3	1	18.30	18.27	18.25	
1.4	256QAM	3	3	18.23	18.28	18.34	
1.4	256QAM	6	0	18.24	18.13	18.29	

Band25 Ant1 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	22.61	23.03	22.94	23.5
20	QPSK	1	49	22.62	22.76	22.90	
20	QPSK	1	99	21.92	22.98	22.60	
20	QPSK	50	0	21.90	21.89	22.19	22.5
20	QPSK	50	24	21.76	21.98	22.17	
20	QPSK	50	50	21.76	22.07	21.98	
20	QPSK	100	0	22.07	21.90	22.16	
20	16QAM	1	0	22.08	21.99	22.42	22.5
20	16QAM	1	49	22.01	22.34	22.30	
20	16QAM	1	99	20.92	22.14	21.96	
20	16QAM	50	0	20.89	20.90	21.20	21.5
20	16QAM	50	24	20.85	20.90	21.19	
20	16QAM	50	50	20.86	21.11	20.99	
20	16QAM	100	0	20.99	20.99	21.09	
20	64QAM	1	0	20.96	20.89	21.16	21.5
20	64QAM	1	49	20.83	21.20	21.26	
20	64QAM	1	99	19.97	21.11	20.90	
20	64QAM	50	0	19.87	19.92	20.21	20.5
20	64QAM	50	24	19.77	19.90	20.12	
20	64QAM	50	50	19.80	20.10	20.04	
20	64QAM	100	0	18.13	20.00	20.12	
20	256QAM	1	0	17.78	17.80	18.25	18.5
20	256QAM	1	49	17.88	18.11	18.22	
20	256QAM	1	99	17.94	18.27	17.94	
20	256QAM	50	0	17.88	17.89	18.21	18.5
20	256QAM	50	24	17.84	17.97	18.19	
20	256QAM	50	50	17.86	18.07	17.99	
20	256QAM	100	0	17.82	17.98	18.18	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.12	22.07	22.26	23.5
15	QPSK	1	37	22.02	22.30	21.97	
15	QPSK	1	74	22.03	22.40	21.67	
15	QPSK	36	0	21.36	21.48	21.49	22.5
15	QPSK	36	20	21.16	21.55	21.21	
15	QPSK	39	39	21.10	21.68	20.98	
15	QPSK	75	0	21.22	21.52	21.26	22.5
15	16QAM	1	0	21.56	21.68	21.45	
15	16QAM	1	37	21.48	21.47	21.28	
15	16QAM	1	74	21.27	22.29	21.14	21.5
15	16QAM	36	0	20.37	20.47	20.42	
15	16QAM	36	20	20.18	20.57	20.22	
15	16QAM	39	39	20.20	20.61	19.99	21.5
15	16QAM	75	0	20.23	20.48	20.21	
15	64QAM	1	0	20.54	20.39	20.45	
15	64QAM	1	37	20.38	20.71	20.16	20.5
15	64QAM	1	74	20.31	20.70	19.97	
15	64QAM	36	0	19.38	19.54	19.45	
15	64QAM	36	20	19.22	19.52	19.28	18.5
15	64QAM	39	39	19.08	19.60	19.07	
15	64QAM	75	0	19.17	19.50	19.35	
15	256QAM	1	0	17.64	17.85	17.93	18.5
15	256QAM	1	37	17.62	17.93	17.73	
15	256QAM	1	74	17.64	18.04	17.23	
15	256QAM	36	0	17.66	17.75	17.75	18.5
15	256QAM	36	20	17.50	17.80	17.48	
15	256QAM	39	39	17.50	17.94	17.31	
15	256QAM	75	0	17.53	17.86	17.64	

Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	22.50	22.28	22.24	23.5
10	QPSK	1	25	22.29	22.57	22.06	
10	QPSK	1	49	22.31	22.68	21.91	
10	QPSK	25	0	21.56	21.62	21.39	22.5
10	QPSK	25	12	21.51	21.77	21.27	
10	QPSK	25	25	21.36	21.75	21.07	
10	QPSK	50	0	21.50	21.70	21.30	
10	16QAM	1	0	21.56	21.65	21.35	22.5
10	16QAM	1	25	21.56	21.86	21.46	
10	16QAM	1	49	21.36	22.18	21.19	
10	16QAM	25	0	20.59	20.63	20.34	21.5
10	16QAM	25	12	20.54	20.71	20.31	
10	16QAM	25	25	20.28	20.74	20.11	
10	16QAM	50	0	20.48	20.69	20.27	
10	64QAM	1	0	20.69	20.66	20.51	21.5
10	64QAM	1	25	20.64	20.83	20.39	
10	64QAM	1	49	20.46	20.87	19.99	
10	64QAM	25	0	19.54	19.65	19.43	20.5
10	64QAM	25	12	19.49	19.65	19.35	
10	64QAM	25	25	19.33	19.75	19.08	
10	64QAM	50	0	19.50	19.62	19.32	
10	256QAM	1	0	17.90	17.99	17.88	18.5
10	256QAM	1	25	17.88	18.17	17.67	
10	256QAM	1	49	17.70	18.13	17.49	
10	256QAM	25	0	17.87	18.06	17.71	18.5
10	256QAM	25	12	17.82	18.02	17.61	
10	256QAM	25	25	17.65	18.10	17.49	
10	256QAM	50	0	17.81	17.98	17.68	
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	22.44	22.45	22.01	23.5
5	QPSK	1	12	22.35	22.53	21.96	
5	QPSK	1	24	22.27	22.55	21.78	
5	QPSK	12	0	21.58	21.63	21.09	22.5
5	QPSK	12	7	21.60	21.67	21.09	
5	QPSK	12	13	21.53	21.66	21.05	
5	QPSK	25	0	21.57	21.66	21.09	
5	16QAM	1	0	21.83	21.70	21.38	22.5
5	16QAM	1	12	21.75	22.08	21.41	
5	16QAM	1	24	21.64	21.93	21.10	
5	16QAM	12	0	20.63	20.79	20.15	21.5
5	16QAM	12	7	20.60	20.74	20.16	
5	16QAM	12	13	20.61	20.60	20.13	
5	16QAM	25	0	20.54	20.71	20.15	
5	64QAM	1	0	20.69	20.60	20.18	21.5
5	64QAM	1	12	20.65	21.06	20.24	
5	64QAM	1	24	20.58	20.98	19.99	
5	64QAM	12	0	19.63	19.67	19.21	20.5
5	64QAM	12	7	19.63	19.76	19.13	
5	64QAM	12	13	19.62	19.69	19.09	
5	64QAM	25	0	19.55	19.63	19.12	
5	256QAM	1	0	17.98	18.11	17.64	18.5
5	256QAM	1	12	17.97	18.18	17.60	
5	256QAM	1	24	17.88	18.31	17.28	
5	256QAM	12	0	17.90	17.92	17.50	18.5
5	256QAM	12	7	17.92	18.01	17.51	
5	256QAM	12	13	17.87	18.00	17.42	
5	256QAM	25	0	17.82	17.92	17.42	
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	22.43	22.43	21.88	23.5
3	QPSK	1	8	22.45	22.64	21.79	

3	QPSK	1	14	22.33	22.49	21.82	22.5
3	QPSK	8	0	21.63	21.71	21.06	
3	QPSK	8	4	21.62	21.68	21.06	
3	QPSK	8	7	21.49	21.71	21.03	
3	QPSK	15	0	21.57	21.73	21.10	
3	16QAM	1	0	21.81	21.65	21.26	22.5
3	16QAM	1	8	21.81	21.91	21.15	
3	16QAM	1	14	21.68	21.75	21.14	
3	16QAM	8	0	20.63	20.66	20.14	21.5
3	16QAM	8	4	20.62	20.61	20.09	
3	16QAM	8	7	20.57	20.70	20.09	
3	16QAM	15	0	20.54	20.67	20.02	
3	64QAM	1	0	20.59	20.64	20.10	
3	64QAM	1	8	20.73	20.78	20.30	21.5
3	64QAM	1	14	20.50	20.77	20.14	
3	64QAM	8	0	19.64	19.72	19.07	
3	64QAM	8	4	19.67	19.70	19.12	20.5
3	64QAM	8	7	19.47	19.63	19.18	
3	64QAM	15	0	19.57	19.65	19.09	
3	256QAM	1	0	17.88	17.99	17.44	
3	256QAM	1	8	18.00	18.31	17.53	
3	256QAM	1	14	17.93	17.96	17.30	18.5
3	256QAM	8	0	17.97	18.01	17.47	
3	256QAM	8	4	18.01	18.03	17.44	
3	256QAM	8	7	17.82	18.07	17.42	
3	256QAM	15	0	17.81	17.94	17.42	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	22.44	22.58	21.88	23.5
1.4	QPSK	1	3	22.47	22.45	21.85	
1.4	QPSK	1	5	22.33	22.46	21.78	
1.4	QPSK	3	0	22.49	22.50	21.86	23.0
1.4	QPSK	3	1	22.40	22.52	21.87	
1.4	QPSK	3	3	22.43	22.52	21.83	
1.4	QPSK	6	0	21.51	21.65	21.00	22.5
1.4	16QAM	1	0	21.72	21.70	21.09	
1.4	16QAM	1	3	21.65	21.76	21.11	
1.4	16QAM	1	5	21.78	21.67	21.07	
1.4	16QAM	3	0	21.64	21.54	21.08	22.0
1.4	16QAM	3	1	21.65	21.62	21.03	
1.4	16QAM	3	3	21.58	21.70	21.03	
1.4	16QAM	6	0	20.62	20.63	20.02	21.0
1.4	64QAM	1	0	20.58	20.74	20.22	
1.4	64QAM	1	3	20.65	20.67	20.16	
1.4	64QAM	1	5	20.60	20.78	20.00	
1.4	64QAM	3	0	20.60	20.61	20.00	21.5
1.4	64QAM	3	1	20.66	20.75	20.05	
1.4	64QAM	3	3	20.69	20.66	20.10	
1.4	64QAM	6	0	19.63	19.70	19.07	20.5
1.4	256QAM	1	0	18.06	18.10	17.33	18.5
1.4	256QAM	1	3	18.10	18.16	17.42	
1.4	256QAM	1	5	17.99	18.17	17.47	
1.4	256QAM	3	0	17.91	18.01	17.41	18.5
1.4	256QAM	3	1	18.01	18.10	17.45	
1.4	256QAM	3	3	17.91	18.11	17.31	
1.4	256QAM	6	0	17.90	18.02	17.26	

Band7 Ant1 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.74	23.28	23.24	24.0
20	QPSK	1	49	22.82	23.05	23.17	
20	QPSK	1	99	22.83	23.07	22.98	
20	QPSK	50	0	21.89	22.11	22.25	23.0
20	QPSK	50	24	21.94	22.19	22.29	
20	QPSK	50	50	22.01	22.20	22.23	
20	QPSK	100	0	22.01	22.20	22.23	
20	16QAM	1	0	21.97	22.18	22.44	23.0
20	16QAM	1	49	22.14	22.54	22.39	
20	16QAM	1	99	22.17	22.34	22.28	
20	16QAM	50	0	20.89	21.12	21.16	22.0
20	16QAM	50	24	21.04	21.19	21.36	
20	16QAM	50	50	21.01	21.22	21.27	
20	16QAM	100	0	20.94	21.18	21.26	
20	64QAM	1	0	20.86	21.14	21.32	22.0
20	64QAM	1	49	21.10	21.20	21.36	
20	64QAM	1	99	20.94	21.18	21.12	
20	64QAM	50	0	19.96	20.15	20.25	21.0
20	64QAM	50	24	19.92	20.30	20.30	
20	64QAM	50	50	20.01	20.24	20.27	
20	64QAM	100	0	20.02	20.12	20.29	
20	256QAM	1	0	18.13	18.27	18.52	19.0
20	256QAM	1	49	18.03	18.37	18.25	
20	256QAM	1	99	18.15	18.17	18.17	
20	256QAM	50	0	17.89	18.16	18.22	19.0
20	256QAM	50	24	17.97	18.20	18.34	
20	256QAM	50	50	18.01	18.22	18.18	
20	256QAM	100	0	18.04	18.12	18.24	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.81	23.08	23.14	24.0
15	QPSK	1	37	22.83	23.10	23.09	
15	QPSK	1	74	22.83	23.04	22.99	
15	QPSK	36	0	21.97	22.15	22.22	23.0
15	QPSK	36	20	21.95	22.19	22.23	
15	QPSK	39	39	22.01	22.17	22.23	
15	QPSK	75	0	21.97	22.18	22.23	
15	16QAM	1	0	22.07	22.26	22.23	23.0
15	16QAM	1	37	21.97	22.36	22.31	
15	16QAM	1	74	21.96	22.23	22.15	
15	16QAM	36	0	20.87	21.06	21.25	22.0
15	16QAM	36	20	20.97	21.15	21.14	
15	16QAM	39	39	20.93	21.19	21.16	
15	16QAM	75	0	21.01	21.15	21.16	
15	64QAM	1	0	20.92	21.23	21.17	22.0
15	64QAM	1	37	20.91	21.21	21.26	
15	64QAM	1	74	20.92	21.12	21.05	
15	64QAM	36	0	19.90	20.11	20.24	21.0
15	64QAM	36	20	19.98	20.24	20.17	
15	64QAM	39	39	20.02	20.22	20.15	
15	64QAM	75	0	19.96	20.21	20.20	
15	256QAM	1	0	17.95	18.42	18.16	19.0
15	256QAM	1	37	17.89	18.40	18.35	
15	256QAM	1	74	18.12	18.41	18.25	
15	256QAM	36	0	17.98	18.16	18.21	19.0
15	256QAM	36	20	17.99	18.17	18.24	
15	256QAM	39	39	17.96	18.32	18.22	
15	256QAM	75	0	17.91	18.16	18.18	

Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	23.03	23.12	23.01	24.0
10	QPSK	1	25	23.03	23.00	23.09	
10	QPSK	1	49	23.02	23.14	23.12	
10	QPSK	25	0	22.14	22.33	22.40	23.0
10	QPSK	25	12	22.14	22.29	22.44	
10	QPSK	25	25	22.09	22.39	22.32	
10	QPSK	50	0	22.11	22.32	22.37	
10	16QAM	1	0	22.08	22.44	22.57	23.0
10	16QAM	1	25	22.22	22.47	22.57	
10	16QAM	1	49	22.12	22.57	22.39	
10	16QAM	25	0	21.17	21.31	21.42	22.0
10	16QAM	25	12	21.09	21.41	21.44	
10	16QAM	25	25	21.10	21.41	21.40	
10	16QAM	50	0	21.11	21.34	21.29	
10	64QAM	1	0	21.20	21.48	21.61	22.0
10	64QAM	1	25	21.00	21.51	21.59	
10	64QAM	1	49	21.25	21.47	21.51	
10	64QAM	25	0	20.05	20.33	20.48	21.0
10	64QAM	25	12	20.19	20.34	20.49	
10	64QAM	25	25	20.08	20.34	20.39	
10	64QAM	50	0	20.13	20.35	20.37	
10	256QAM	1	0	18.20	18.46	18.51	19.0
10	256QAM	1	25	18.12	18.51	18.45	
10	256QAM	1	49	18.21	18.53	18.50	
10	256QAM	25	0	18.21	18.37	18.44	19.0
10	256QAM	25	12	18.10	18.37	18.45	
10	256QAM	25	25	18.11	18.37	18.41	
10	256QAM	50	0	18.18	18.34	18.34	
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	23.02	23.06	23.07	24.0
5	QPSK	1	12	23.07	23.18	23.14	
5	QPSK	1	24	22.93	23.14	23.26	
5	QPSK	12	0	22.04	22.28	22.36	23.0
5	QPSK	12	7	22.07	22.40	22.40	
5	QPSK	12	13	22.02	22.35	22.37	
5	QPSK	25	0	22.10	22.36	22.35	
5	16QAM	1	0	22.24	22.55	22.60	23.0
5	16QAM	1	12	22.43	22.60	22.54	
5	16QAM	1	24	22.22	22.42	22.62	
5	16QAM	12	0	21.14	21.33	21.38	22.0
5	16QAM	12	7	21.14	21.41	21.45	
5	16QAM	12	13	21.11	21.40	21.41	
5	16QAM	25	0	21.10	21.28	21.38	
5	64QAM	1	0	21.05	21.37	21.38	22.0
5	64QAM	1	12	21.22	21.39	21.57	
5	64QAM	1	24	21.14	21.49	21.43	
5	64QAM	12	0	20.05	20.29	20.38	21.0
5	64QAM	12	7	20.14	20.42	20.45	
5	64QAM	12	13	20.15	20.45	20.33	
5	64QAM	25	0	20.12	20.30	20.38	
5	256QAM	1	0	18.26	18.49	18.47	19.0
5	256QAM	1	12	18.18	18.61	18.53	
5	256QAM	1	24	18.17	18.57	18.34	
5	256QAM	12	0	18.13	18.35	18.45	19.0
5	256QAM	12	7	18.16	18.49	18.42	
5	256QAM	12	13	18.17	18.44	18.42	
5	256QAM	25	0	18.17	18.30	18.41	

Band38 Ant1 Default							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.11	23.16	23.01	24.0
20	QPSK	1	49	23.15	23.11	23.03	
20	QPSK	1	99	23.07	23.03	22.98	
20	QPSK	50	0	22.22	22.06	21.99	23.0
20	QPSK	50	24	22.21	22.05	21.98	
20	QPSK	50	50	22.15	22.09	22.07	
20	QPSK	100	0	22.14	21.98	22.00	
20	16QAM	1	0	22.29	22.29	22.13	23.0
20	16QAM	1	49	22.38	22.19	22.27	
20	16QAM	1	99	22.29	22.11	22.18	
20	16QAM	50	0	21.19	21.08	21.00	23.0
20	16QAM	50	24	21.22	21.06	21.06	
20	16QAM	50	50	21.17	21.09	21.07	
20	16QAM	100	0	21.18	21.04	21.03	
20	64QAM	1	0	21.31	21.18	21.33	23.0
20	64QAM	1	49	21.45	21.21	21.20	
20	64QAM	1	99	21.19	21.14	21.11	
20	64QAM	50	0	20.19	20.02	20.03	21.0
20	64QAM	50	24	20.23	20.09	20.10	
20	64QAM	50	50	20.16	20.08	20.09	
20	64QAM	100	0	20.19	20.09	20.03	
20	256QAM	1	0	18.46	18.10	18.06	19.0
20	256QAM	1	49	18.21	18.21	18.19	
20	256QAM	1	99	18.34	18.13	18.13	
20	256QAM	50	0	18.22	18.09	18.07	19.0
20	256QAM	50	24	18.26	18.11	18.05	
20	256QAM	50	50	18.19	18.07	18.08	
20	256QAM	100	0	18.24	18.08	18.02	
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.02	22.93	22.90	24.0
15	QPSK	1	37	22.98	22.93	22.89	
15	QPSK	1	74	22.86	22.82	22.80	
15	QPSK	36	0	22.10	21.93	21.90	23.0
15	QPSK	36	20	22.05	21.96	21.94	
15	QPSK	39	39	21.97	21.93	21.96	
15	QPSK	75	0	22.05	21.90	21.87	
15	16QAM	1	0	22.22	22.13	21.95	23.0
15	16QAM	1	37	22.10	22.11	22.06	
15	16QAM	1	74	21.92	22.09	22.02	
15	16QAM	36	0	21.15	20.93	20.92	23.0
15	16QAM	36	20	21.07	21.01	20.97	
15	16QAM	39	39	20.99	20.95	20.97	
15	16QAM	75	0	21.06	20.90	20.90	
15	64QAM	1	0	21.16	21.10	20.89	23.0
15	64QAM	1	37	21.00	21.04	20.99	
15	64QAM	1	74	20.92	20.99	20.91	
15	64QAM	36	0	20.12	19.99	19.90	21.0
15	64QAM	36	20	20.05	20.01	19.94	
15	64QAM	39	39	20.01	19.97	19.96	
15	64QAM	75	0	20.06	19.96	19.89	
15	256QAM	1	0	18.03	18.07	18.00	19.0
15	256QAM	1	37	18.28	18.06	18.13	
15	256QAM	1	74	18.10	18.10	18.09	
15	256QAM	36	0	18.11	17.93	17.86	19.0
15	256QAM	36	20	18.03	17.97	17.92	
15	256QAM	39	39	18.02	17.98	17.92	
15	256QAM	75	0	18.07	17.93	17.91	

Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.01	22.95	22.89	24.0
10	QPSK	1	25	22.91	22.87	22.82	
10	QPSK	1	49	22.77	22.79	22.76	
10	QPSK	25	0	22.00	21.96	21.87	23.0
10	QPSK	25	12	22.07	21.90	21.92	
10	QPSK	25	25	21.99	21.95	21.94	
10	QPSK	50	0	22.03	21.91	21.87	
10	16QAM	1	0	22.20	22.16	22.10	23.0
10	16QAM	1	25	22.04	22.16	22.09	
10	16QAM	1	49	22.04	22.07	22.01	
10	16QAM	25	0	21.07	20.99	20.89	23.0
10	16QAM	25	12	21.03	20.94	20.90	
10	16QAM	25	25	20.99	20.95	20.95	
10	16QAM	50	0	21.09	20.95	20.89	
10	64QAM	1	0	21.15	21.05	21.04	23.0
10	64QAM	1	25	21.19	21.08	21.00	
10	64QAM	1	49	20.86	20.90	20.90	
10	64QAM	25	0	20.06	19.97	19.90	21.0
10	64QAM	25	12	20.11	19.93	19.87	
10	64QAM	25	25	20.03	19.96	19.97	
10	64QAM	50	0	20.08	19.90	19.91	
10	256QAM	1	0	18.18	17.95	17.98	19.0
10	256QAM	1	25	18.09	18.01	18.06	
10	256QAM	1	49	18.05	18.03	18.12	
10	256QAM	25	0	18.05	17.98	17.90	19.0
10	256QAM	25	12	18.08	17.92	17.89	
10	256QAM	25	25	17.99	17.96	17.93	
10	256QAM	50	0	18.02	17.91	17.86	
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.15	23.00	23.01	24.0
5	QPSK	1	12	23.13	23.09	23.04	
5	QPSK	1	24	23.03	23.02	22.98	
5	QPSK	12	0	22.15	22.04	22.05	23.0
5	QPSK	12	7	22.21	22.13	22.08	
5	QPSK	12	13	22.16	22.06	22.05	
5	QPSK	25	0	22.20	22.07	22.01	
5	16QAM	1	0	22.71	22.57	22.58	23.0
5	16QAM	1	12	22.69	22.62	22.62	
5	16QAM	1	24	22.61	22.49	22.47	
5	16QAM	12	0	21.51	21.31	21.43	23.0
5	16QAM	12	7	21.55	21.43	21.40	
5	16QAM	12	13	21.54	21.38	21.39	
5	16QAM	25	0	21.54	21.42	21.41	
5	64QAM	1	0	21.51	21.48	21.40	23.0
5	64QAM	1	12	21.62	21.56	21.49	
5	64QAM	1	24	21.50	21.45	21.43	
5	64QAM	12	0	20.54	20.36	20.38	21.0
5	64QAM	12	7	20.54	20.47	20.47	
5	64QAM	12	13	20.48	20.44	20.41	
5	64QAM	25	0	20.46	20.35	20.36	
5	256QAM	1	0	18.66	18.38	18.44	19.0
5	256QAM	1	12	18.79	18.46	18.56	
5	256QAM	1	24	18.56	18.52	18.42	
5	256QAM	12	0	18.53	18.36	18.36	19.0
5	256QAM	12	7	18.52	18.43	18.42	
5	256QAM	12	13	18.43	18.37	18.35	
5	256QAM	25	0	18.50	18.40	18.39	

Band41 Ant1 Default									
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power Mid CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.12	22.92	23.19	23.04	23.07	24.0
20	QPSK	1	49	22.02	23.02	22.90	22.92	22.93	
20	QPSK	1	99	22.07	22.98	22.86	23.04	22.88	
20	QPSK	50	0	21.11	21.86	21.93	21.70	22.00	23.0
20	QPSK	50	24	21.17	21.85	21.95	21.96	21.98	
20	QPSK	50	50	21.12	21.83	21.93	21.70	22.03	
20	QPSK	100	0	21.21	21.51	22.02	21.41	22.02	23.0
20	16QAM	1	0	21.39	21.90	22.19	21.64	22.28	
20	16QAM	1	49	21.28	21.53	22.09	21.55	22.18	
20	16QAM	1	99	21.41	21.75	22.07	21.94	22.16	23.0
20	16QAM	50	0	20.13	21.91	20.96	22.04	21.04	
20	16QAM	50	24	20.14	21.85	21.00	21.46	20.98	
20	16QAM	50	50	20.15	21.55	20.96	21.94	21.00	23.0
20	16QAM	100	0	20.21	22.06	21.02	21.77	21.02	
20	64QAM	1	0	20.32	21.80	21.08	21.37	21.14	
20	64QAM	1	49	20.28	21.93	21.04	22.02	21.14	23.0
20	64QAM	1	99	20.21	21.30	20.96	21.52	21.02	
20	64QAM	50	0	19.11	19.76	19.95	19.65	20.03	
20	64QAM	50	24	19.24	19.85	20.02	19.41	20.01	21.0
20	64QAM	50	50	19.16	19.88	19.96	19.88	20.04	
20	64QAM	100	0	19.24	19.34	20.00	19.43	20.03	
20	256QAM	1	0	17.37	17.64	18.03	17.60	18.11	19.0
20	256QAM	1	49	17.25	17.74	18.09	17.89	18.28	
20	256QAM	1	99	17.49	18.01	17.98	17.82	18.06	
20	256QAM	50	0	17.12	18.15	17.97	17.89	18.03	19.0
20	256QAM	50	24	17.19	18.13	18.05	17.65	17.97	
20	256QAM	50	50	17.17	17.55	18.00	17.99	17.99	
20	256QAM	100	0	17.19	18.10	18.01	17.65	18.05	
Channel				39725	40173	40620	41068	41515	Tune-up limit
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.19	23.07	22.96	22.97	23.02	24.0
15	QPSK	1	37	22.12	22.91	22.94	22.97	23.01	
15	QPSK	1	74	22.05	22.96	22.95	23.08	22.96	
15	QPSK	36	0	21.09	21.86	21.90	21.79	21.96	23.0
15	QPSK	36	20	21.15	21.92	21.95	21.87	21.95	
15	QPSK	39	39	21.13	21.79	21.95	22.00	22.01	
15	QPSK	75	0	21.20	21.53	21.95	21.50	21.95	23.0
15	16QAM	1	0	21.29	21.33	22.08	21.96	22.14	
15	16QAM	1	37	21.30	21.56	22.11	21.87	22.04	
15	16QAM	1	74	21.27	21.65	22.02	22.08	22.10	23.0
15	16QAM	36	0	20.12	21.98	20.97	22.02	21.00	
15	16QAM	36	20	20.17	21.35	20.96	21.67	20.98	
15	16QAM	39	39	20.09	21.30	20.94	22.05	21.01	23.0
15	16QAM	75	0	20.21	21.45	21.01	21.53	20.98	
15	64QAM	1	0	20.20	21.69	21.07	21.95	21.09	
15	64QAM	1	37	20.17	21.36	21.13	21.58	21.10	23.0
15	64QAM	1	74	20.10	21.67	20.96	21.93	21.07	
15	64QAM	36	0	19.16	19.76	19.92	19.57	20.02	
15	64QAM	36	20	19.16	19.67	19.98	19.46	19.99	21.0
15	64QAM	39	39	19.21	19.66	19.99	19.32	20.01	
15	64QAM	75	0	19.23	19.57	19.89	19.42	19.88	
15	256QAM	1	0	17.31	17.72	18.10	17.82	18.17	19.0
15	256QAM	1	37	17.30	17.77	18.26	17.99	18.18	
15	256QAM	1	74	17.45	18.16	18.17	17.55	18.10	
15	256QAM	36	0	17.11	17.90	17.95	18.00	18.00	19.0
15	256QAM	36	20	17.16	17.64	18.02	17.56	17.95	
15	256QAM	39	39	17.12	18.24	17.96	18.16	18.00	
15	256QAM	75	0	17.16	18.01	18.02	18.26	17.95	
Channel				39700	40160	40620	41080	41540	Tune-up limit
Frequency (MHz)				2510	2547	2593	2639	2685	
10	QPSK	1	0	22.25	23.10	23.02	23.10	23.10	24.0
10	QPSK	1	25	22.27	22.95	23.09	22.94	23.06	
10	QPSK	1	49	22.24	23.08	23.00	22.98	23.06	

10	QPSK	25	0	21.29	21.97	22.03	21.73	22.10	23.0
10	QPSK	25	12	21.30	22.00	22.08	21.71	22.19	
10	QPSK	25	25	21.20	21.75	22.05	21.96	22.12	
10	QPSK	50	0	21.29	21.35	22.09	21.48	22.15	23.0
10	16QAM	1	0	21.51	21.84	22.21	21.43	22.32	
10	16QAM	1	25	21.44	21.70	22.20	21.38	22.31	
10	16QAM	1	49	21.43	21.92	22.18	21.53	22.19	23.0
10	16QAM	25	0	20.34	22.10	21.02	21.38	21.13	
10	16QAM	25	12	20.31	21.86	21.13	22.06	21.24	
10	16QAM	25	25	20.30	21.91	21.09	21.80	21.13	23.0
10	16QAM	50	0	20.31	21.62	21.08	21.83	21.20	
10	64QAM	1	0	20.43	21.62	21.31	21.51	21.21	
10	64QAM	1	25	20.43	21.35	21.25	21.55	21.30	23.0
10	64QAM	1	49	20.35	21.59	21.04	22.03	21.17	
10	64QAM	25	0	19.34	19.76	20.08	19.55	20.13	21.0
10	64QAM	25	12	19.29	19.66	20.16	19.63	20.23	
10	64QAM	25	25	19.21	19.42	20.08	19.79	20.18	
10	64QAM	50	0	19.32	19.67	20.10	19.22	20.14	19.0
10	256QAM	1	0	17.45	18.10	18.04	18.14	18.04	
10	256QAM	1	25	17.44	17.66	18.20	18.12	18.30	
10	256QAM	1	49	17.42	18.05	18.23	17.60	18.12	19.0
10	256QAM	25	0	17.28	17.60	18.05	17.81	18.06	
10	256QAM	25	12	17.30	17.66	18.12	18.24	18.17	
10	256QAM	25	25	17.27	17.95	18.08	17.91	18.16	19.0
10	256QAM	50	0	17.30	17.64	18.11	17.59	18.15	
Channel				39675	40148	40620	41093	41565	Tune-up limit
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	22.28	23.10	23.03	23.02	23.06	24.0
5	QPSK	1	12	22.30	22.91	23.09	22.98	23.10	
5	QPSK	1	24	22.26	23.03	23.00	22.95	23.04	
5	QPSK	12	0	21.29	21.85	22.09	21.98	22.05	23.0
5	QPSK	12	7	21.31	21.96	22.09	21.71	22.15	
5	QPSK	12	13	21.24	21.82	22.06	21.91	22.13	
5	QPSK	25	0	21.32	22.01	22.04	21.58	22.11	23.0
5	16QAM	1	0	21.46	21.74	22.19	21.65	22.38	
5	16QAM	1	12	21.44	21.78	22.27	21.52	22.44	
5	16QAM	1	24	21.43	21.58	22.27	21.39	22.27	23.0
5	16QAM	12	0	20.40	21.49	21.18	21.55	21.15	
5	16QAM	12	7	20.31	21.81	21.17	21.56	21.25	
5	16QAM	12	13	20.32	21.84	21.16	21.66	21.13	23.0
5	16QAM	25	0	20.33	21.95	21.13	21.92	21.19	
5	64QAM	1	0	20.43	22.09	21.11	21.75	21.18	
5	64QAM	1	12	20.39	21.40	21.13	21.49	21.51	23.0
5	64QAM	1	24	20.38	21.96	21.14	21.70	21.22	
5	64QAM	12	0	19.33	19.75	20.08	19.58	20.15	
5	64QAM	12	7	19.38	19.55	20.17	19.51	20.18	21.0
5	64QAM	12	13	19.31	19.81	20.09	19.72	20.15	
5	64QAM	25	0	19.33	19.68	20.06	19.30	20.14	
5	256QAM	1	0	17.50	17.82	18.10	18.16	18.10	19.0
5	256QAM	1	12	17.44	18.02	18.32	17.77	18.26	
5	256QAM	1	24	17.36	17.85	18.07	17.67	18.17	
5	256QAM	12	0	17.32	18.11	18.09	17.64	18.12	19.0
5	256QAM	12	7	17.35	17.53	18.11	17.98	18.20	
5	256QAM	12	13	17.29	17.96	18.07	18.24	18.12	
5	256QAM	25	0	17.32	18.25	18.08	17.84	18.11	

Band2 Ant4 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.03	21.34	21.25	22.0
20	QPSK	1	49	21.13	20.97	20.47	
20	QPSK	1	99	21.25	21.14	20.33	
20	QPSK	50	0	20.21	20.03	20.16	21.0
20	QPSK	50	24	20.17	20.02	19.83	
20	QPSK	50	50	20.18	20.21	19.72	
20	QPSK	100	0	20.17	20.10	19.93	
20	16QAM	1	0	20.04	19.92	20.51	21.0
20	16QAM	1	49	20.31	20.08	20.02	
20	16QAM	1	99	20.20	20.26	19.51	
20	16QAM	50	0	19.22	19.04	19.19	20.0
20	16QAM	50	24	19.20	19.05	18.86	
20	16QAM	50	50	19.21	19.26	18.78	
20	16QAM	100	0	19.23	19.15	18.97	
20	64QAM	1	0	19.09	19.07	19.40	20.0
20	64QAM	1	49	19.35	19.10	18.91	
20	64QAM	1	99	18.98	19.48	18.58	
20	64QAM	50	0	18.23	18.08	18.23	19.0
20	64QAM	50	24	18.21	18.08	17.89	
20	64QAM	50	50	18.23	18.28	17.78	
20	64QAM	100	0	18.22	18.19	17.99	
20	256QAM	1	0	16.44	16.32	16.93	18.0
20	256QAM	1	49	16.44	16.29	16.05	
20	256QAM	1	99	16.70	16.96	15.98	
20	256QAM	50	0	16.27	16.13	16.26	18.0
20	256QAM	50	24	16.23	16.11	15.93	
20	256QAM	50	50	16.25	16.35	15.84	
20	256QAM	100	0	16.25	16.23	16.06	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.99	20.91	20.92	22.0
15	QPSK	1	37	21.13	20.93	20.56	
15	QPSK	1	74	21.33	21.09	20.23	
15	QPSK	36	0	20.07	19.98	19.71	21.0
15	QPSK	36	20	20.15	19.97	19.51	
15	QPSK	39	39	20.21	20.11	19.47	
15	QPSK	75	0	20.13	20.03	19.58	
15	16QAM	1	0	20.05	20.09	20.03	21.0
15	16QAM	1	37	20.29	20.16	19.70	
15	16QAM	1	74	20.49	20.26	19.42	
15	16QAM	36	0	19.10	19.03	18.74	20.0
15	16QAM	36	20	19.20	19.03	18.55	
15	16QAM	39	39	19.28	19.17	18.52	
15	16QAM	75	0	19.17	19.10	18.63	
15	64QAM	1	0	19.29	18.99	18.99	20.0
15	64QAM	1	37	19.35	19.05	18.70	
15	64QAM	1	74	19.53	19.37	18.36	
15	64QAM	36	0	18.14	18.04	17.75	19.0
15	64QAM	36	20	18.23	18.03	17.56	
15	64QAM	39	39	18.28	18.19	17.54	
15	64QAM	75	0	18.20	18.10	17.66	
15	256QAM	1	0	16.16	16.37	16.32	18.0
15	256QAM	1	37	16.38	16.33	15.79	
15	256QAM	1	74	16.67	16.85	15.71	
15	256QAM	36	0	16.21	16.09	15.84	18.0
15	256QAM	36	20	16.28	16.07	15.59	
15	256QAM	39	39	16.32	16.21	15.58	
15	256QAM	75	0	16.27	16.14	15.70	

Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	20.94	20.86	21.33	22.0
10	QPSK	1	25	21.17	20.94	20.76	
10	QPSK	1	49	20.90	21.10	20.34	
10	QPSK	25	0	20.08	20.10	19.69	21.0
10	QPSK	25	12	20.16	20.05	19.57	
10	QPSK	25	25	20.28	20.09	19.54	
10	QPSK	50	0	20.17	20.07	19.59	21.0
10	16QAM	1	0	20.18	20.30	19.79	
10	16QAM	1	25	20.23	20.20	19.53	
10	16QAM	1	49	20.52	20.47	19.46	20.0
10	16QAM	25	0	19.12	19.11	18.73	
10	16QAM	25	12	19.21	19.08	18.64	
10	16QAM	25	25	19.32	19.13	18.62	20.0
10	16QAM	50	0	19.22	19.12	18.67	
10	64QAM	1	0	19.06	19.33	18.96	
10	64QAM	1	25	19.43	19.28	18.70	19.0
10	64QAM	1	49	19.66	19.68	18.50	
10	64QAM	25	0	18.14	18.17	17.76	
10	64QAM	25	12	18.23	18.14	17.64	18.0
10	64QAM	25	25	18.35	18.19	17.62	
10	64QAM	50	0	18.25	18.19	17.67	
10	256QAM	1	0	16.21	16.50	16.21	18.0
10	256QAM	1	25	16.34	16.34	15.79	
10	256QAM	1	49	16.87	16.73	15.92	
10	256QAM	25	0	16.27	16.24	15.79	18.0
10	256QAM	25	12	16.35	16.19	15.69	
10	256QAM	25	25	16.45	16.25	15.65	
10	256QAM	50	0	16.35	16.24	15.71	
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	20.84	21.15	20.53	22.0
5	QPSK	1	12	21.12	21.08	20.47	
5	QPSK	1	24	21.23	20.90	20.33	
5	QPSK	12	0	19.99	20.14	19.50	21.0
5	QPSK	12	7	20.17	20.13	19.45	
5	QPSK	12	13	20.23	20.03	19.33	
5	QPSK	25	0	20.10	20.05	19.41	21.0
5	16QAM	1	0	20.03	20.33	19.59	
5	16QAM	1	12	20.26	20.20	19.69	
5	16QAM	1	24	20.47	20.06	19.55	20.0
5	16QAM	12	0	19.07	19.14	18.55	
5	16QAM	12	7	19.24	19.20	18.52	
5	16QAM	12	13	19.31	19.07	18.40	20.0
5	16QAM	25	0	19.17	19.10	18.47	
5	64QAM	1	0	18.99	19.25	18.60	
5	64QAM	1	12	19.39	19.32	18.73	19.0
5	64QAM	1	24	19.51	19.03	18.47	
5	64QAM	12	0	18.05	18.21	17.56	
5	64QAM	12	7	18.26	18.21	17.50	18.0
5	64QAM	12	13	18.32	18.07	17.44	
5	64QAM	25	0	18.22	18.16	17.49	
5	256QAM	1	0	16.17	16.33	15.57	18.0
5	256QAM	1	12	16.52	16.44	15.68	
5	256QAM	1	24	16.67	16.22	15.69	
5	256QAM	12	0	16.17	16.22	15.60	18.0
5	256QAM	12	7	16.34	16.19	15.57	
5	256QAM	12	13	16.41	16.09	15.45	
5	256QAM	25	0	16.26	16.14	15.52	
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	20.76	21.10	20.53	

3	QPSK	1	8	21.01	21.03	20.35	22.0
3	QPSK	1	14	21.03	20.91	20.26	
3	QPSK	8	0	19.90	20.09	19.45	
3	QPSK	8	4	20.02	20.08	19.40	21.0
3	QPSK	8	7	20.07	20.04	19.35	
3	QPSK	15	0	19.98	20.06	19.38	
3	16QAM	1	0	19.87	20.24	19.57	21.0
3	16QAM	1	8	20.04	20.19	19.48	
3	16QAM	1	14	20.23	20.12	19.50	
3	16QAM	8	0	18.94	19.17	18.49	20.0
3	16QAM	8	4	19.12	19.17	18.47	
3	16QAM	8	7	19.13	19.07	18.39	
3	16QAM	15	0	19.00	19.10	18.44	
3	64QAM	1	0	18.90	19.14	18.52	20.0
3	64QAM	1	8	19.16	19.27	18.49	
3	64QAM	1	14	19.29	19.04	18.49	
3	64QAM	8	0	17.96	18.16	17.56	19.0
3	64QAM	8	4	18.08	18.15	17.49	
3	64QAM	8	7	18.08	18.07	17.40	
3	64QAM	15	0	18.04	18.15	17.44	
3	256QAM	1	0	16.03	16.31	15.69	18.0
3	256QAM	1	8	16.40	16.27	15.51	
3	256QAM	1	14	16.49	16.36	15.72	
3	256QAM	8	0	16.03	16.21	15.58	18.0
3	256QAM	8	4	16.18	16.23	15.50	
3	256QAM	8	7	16.24	16.19	15.47	
3	256QAM	15	0	16.09	16.17	15.48	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.79	21.07	20.32	22.0
1.4	QPSK	1	3	20.89	20.97	20.35	
1.4	QPSK	1	5	20.88	20.93	20.27	
1.4	QPSK	3	0	20.75	20.97	20.26	21.0
1.4	QPSK	3	1	20.79	20.93	20.27	
1.4	QPSK	3	3	20.83	20.94	20.25	
1.4	QPSK	6	0	19.84	19.99	19.27	
1.4	16QAM	1	0	19.86	20.02	19.40	21.0
1.4	16QAM	1	3	20.00	20.06	19.45	
1.4	16QAM	1	5	20.03	20.10	19.42	
1.4	16QAM	3	0	19.82	20.05	19.39	21.0
1.4	16QAM	3	1	19.84	20.00	19.34	
1.4	16QAM	3	3	19.98	19.99	19.40	
1.4	16QAM	6	0	18.89	19.03	18.28	20.0
1.4	64QAM	1	0	18.95	19.18	18.37	20.0
1.4	64QAM	1	3	19.07	19.15	18.50	
1.4	64QAM	1	5	19.04	19.06	18.36	
1.4	64QAM	3	0	18.99	19.04	18.41	20.0
1.4	64QAM	3	1	18.94	19.09	18.40	
1.4	64QAM	3	3	19.05	19.09	18.43	
1.4	64QAM	6	0	17.96	18.09	17.37	19.0
1.4	256QAM	1	0	16.02	16.22	15.55	17.0
1.4	256QAM	1	3	16.32	16.27	15.67	
1.4	256QAM	1	5	16.27	16.34	15.61	
1.4	256QAM	3	0	16.01	16.20	15.48	17.0
1.4	256QAM	3	1	16.08	16.19	15.49	
1.4	256QAM	3	3	16.09	16.12	15.45	
1.4	256QAM	6	0	15.98	16.22	15.42	

Band4 Ant4 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	20.85	20.97	20.74	21.5
20	QPSK	1	49	20.84	20.89	20.94	
20	QPSK	1	99	20.64	20.86	20.71	
20	QPSK	50	0	19.97	19.96	20.05	21.0
20	QPSK	50	24	19.96	19.97	20.10	
20	QPSK	50	50	19.89	20.03	20.14	
20	QPSK	100	0	19.93	19.94	20.04	
20	16QAM	1	0	20.05	19.79	20.06	21.0
20	16QAM	1	49	19.93	20.06	20.27	
20	16QAM	1	99	19.90	20.18	20.27	
20	16QAM	50	0	19.00	18.96	19.00	20.0
20	16QAM	50	24	19.01	18.97	19.14	
20	16QAM	50	50	18.92	18.96	19.12	
20	16QAM	100	0	18.94	18.98	19.10	
20	64QAM	1	0	19.12	18.89	19.14	20.0
20	64QAM	1	49	19.13	19.18	19.18	
20	64QAM	1	99	18.89	19.14	19.39	
20	64QAM	50	0	18.03	17.92	18.08	
20	64QAM	50	24	18.02	17.97	18.07	18.5
20	64QAM	50	50	17.92	18.00	18.10	
20	64QAM	100	0	18.00	18.00	18.15	
20	256QAM	1	0	16.19	16.01	16.22	
20	256QAM	1	49	16.20	16.17	16.27	17.0
20	256QAM	1	99	16.19	16.07	16.16	
20	256QAM	50	0	16.11	15.97	16.08	
20	256QAM	50	24	16.05	16.03	16.15	17.0
20	256QAM	50	50	15.97	16.04	16.11	
20	256QAM	100	0	15.96	15.91	16.09	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.63	20.34	20.58	21.5
15	QPSK	1	37	20.48	20.67	20.58	
15	QPSK	1	74	20.40	20.67	20.87	
15	QPSK	36	0	19.82	19.72	19.80	21.0
15	QPSK	36	20	19.71	19.76	19.88	
15	QPSK	39	39	19.60	19.88	19.97	
15	QPSK	75	0	19.70	19.80	19.91	
15	16QAM	1	0	20.24	19.75	19.85	21.0
15	16QAM	1	37	19.75	19.94	19.97	
15	16QAM	1	74	19.99	20.05	20.29	
15	16QAM	36	0	18.76	18.67	18.82	20.0
15	16QAM	36	20	18.65	18.72	18.91	
15	16QAM	39	39	18.66	18.84	18.94	
15	16QAM	75	0	18.76	18.75	18.96	
15	64QAM	1	0	18.87	18.61	19.05	20.0
15	64QAM	1	37	18.64	18.72	18.99	
15	64QAM	1	74	18.73	19.00	19.10	
15	64QAM	36	0	17.71	17.75	17.85	18.5
15	64QAM	36	20	17.68	17.71	17.84	
15	64QAM	39	39	17.68	17.83	17.93	
15	64QAM	75	0	17.70	17.76	17.99	
15	256QAM	1	0	16.07	15.61	16.07	17.0
15	256QAM	1	37	16.00	15.84	16.19	
15	256QAM	1	74	15.96	15.98	16.11	
15	256QAM	36	0	15.78	15.74	15.93	17.0
15	256QAM	36	20	15.73	15.77	15.90	
15	256QAM	39	39	15.65	15.89	15.91	
15	256QAM	75	0	15.74	15.79	15.95	

Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	20.55	20.19	20.54	21.5
10	QPSK	1	25	20.34	20.59	20.65	
10	QPSK	1	49	20.57	20.78	20.78	
10	QPSK	25	0	19.71	19.49	19.77	21.0
10	QPSK	25	12	19.67	19.79	19.94	
10	QPSK	25	25	19.65	19.86	19.98	
10	QPSK	50	0	19.67	19.75	19.90	
10	16QAM	1	0	20.08	19.64	19.92	21.0
10	16QAM	1	25	19.76	19.95	20.01	
10	16QAM	1	49	19.75	20.17	20.30	
10	16QAM	25	0	18.75	18.68	18.85	20.0
10	16QAM	25	12	18.71	18.79	18.95	
10	16QAM	25	25	18.68	18.90	18.93	
10	16QAM	50	0	18.73	18.67	18.92	
10	64QAM	1	0	18.86	18.56	18.88	20.0
10	64QAM	1	25	19.08	18.92	18.82	
10	64QAM	1	49	18.79	19.02	19.10	
10	64QAM	25	0	17.76	17.60	17.82	18.5
10	64QAM	25	12	17.65	17.72	17.89	
10	64QAM	25	25	17.66	17.89	17.97	
10	64QAM	50	0	17.71	17.79	17.92	
10	256QAM	1	0	16.02	15.55	15.86	17.0
10	256QAM	1	25	15.82	15.76	15.98	
10	256QAM	1	49	15.95	16.02	16.11	
10	256QAM	25	0	15.78	15.63	15.85	17.0
10	256QAM	25	12	15.65	15.73	15.95	
10	256QAM	25	25	15.66	15.87	15.90	
10	256QAM	50	0	15.70	15.79	15.91	
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	20.87	20.72	20.89	21.5
5	QPSK	1	12	20.80	20.80	20.89	
5	QPSK	1	24	20.70	20.82	20.93	
5	QPSK	12	0	19.99	19.97	20.10	21.0
5	QPSK	12	7	20.01	19.98	20.14	
5	QPSK	12	13	20.03	19.95	20.07	
5	QPSK	25	0	20.03	19.95	20.13	
5	16QAM	1	0	20.18	20.07	20.16	21.0
5	16QAM	1	12	20.21	20.11	20.37	
5	16QAM	1	24	20.24	20.12	20.39	
5	16QAM	12	0	19.04	19.00	19.10	20.0
5	16QAM	12	7	19.07	19.02	19.19	
5	16QAM	12	13	19.02	19.04	19.19	
5	16QAM	25	0	19.01	18.89	19.11	
5	64QAM	1	0	19.06	19.00	19.03	20.0
5	64QAM	1	12	19.16	18.99	19.22	
5	64QAM	1	24	18.93	19.02	19.18	
5	64QAM	12	0	18.08	18.02	18.12	18.5
5	64QAM	12	7	18.11	17.97	18.24	
5	64QAM	12	13	18.05	17.92	18.19	
5	64QAM	25	0	18.03	17.92	18.04	
5	256QAM	1	0	16.23	16.07	16.00	17.0
5	256QAM	1	12	16.19	16.23	16.43	
5	256QAM	1	24	16.10	15.98	16.20	
5	256QAM	12	0	16.10	15.97	16.14	17.0
5	256QAM	12	7	16.09	16.02	16.13	
5	256QAM	12	13	16.00	16.00	16.12	
5	256QAM	25	0	16.02	15.94	16.07	
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	20.95	20.71	20.83	

3	QPSK	1	8	20.84	20.92	20.94	21.5
3	QPSK	1	14	20.87	20.69	20.93	
3	QPSK	8	0	20.08	19.99	20.01	
3	QPSK	8	4	20.05	19.95	20.11	21.0
3	QPSK	8	7	19.98	19.89	20.08	
3	QPSK	15	0	20.10	19.87	20.19	
3	16QAM	1	0	20.23	20.10	20.11	
3	16QAM	1	8	20.31	20.13	20.31	21.0
3	16QAM	1	14	20.08	20.08	20.27	
3	16QAM	8	0	19.08	19.04	19.04	
3	16QAM	8	4	19.15	18.98	19.20	20.0
3	16QAM	8	7	19.05	19.02	19.19	
3	16QAM	15	0	19.08	18.94	19.17	
3	64QAM	1	0	19.17	18.98	19.17	
3	64QAM	1	8	19.20	19.16	19.17	20.0
3	64QAM	1	14	19.13	18.97	19.17	
3	64QAM	8	0	18.10	18.04	18.09	
3	64QAM	8	4	18.14	17.97	18.09	18.5
3	64QAM	8	7	17.98	17.96	18.18	
3	64QAM	15	0	18.14	17.91	18.17	
3	256QAM	1	0	16.13	16.08	16.23	
3	256QAM	1	8	16.18	16.09	16.37	17.0
3	256QAM	1	14	16.08	16.09	16.36	
3	256QAM	8	0	16.10	16.01	16.12	
3	256QAM	8	4	16.08	16.00	16.20	17.0
3	256QAM	8	7	16.04	15.93	16.16	
3	256QAM	15	0	16.10	15.99	16.13	
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	20.82	20.80	20.90	21.5
1.4	QPSK	1	3	20.86	20.76	20.89	
1.4	QPSK	1	5	20.84	20.69	20.88	
1.4	QPSK	3	0	20.84	20.80	20.90	
1.4	QPSK	3	1	20.84	20.79	20.91	21.5
1.4	QPSK	3	3	20.87	20.79	20.87	
1.4	QPSK	6	0	19.99	19.92	20.07	
1.4	16QAM	1	0	19.96	19.74	20.18	
1.4	16QAM	1	3	20.06	20.02	20.06	21.0
1.4	16QAM	1	5	19.93	20.06	20.10	
1.4	16QAM	3	0	19.99	19.96	20.11	
1.4	16QAM	3	1	20.09	20.03	20.11	21.0
1.4	16QAM	3	3	20.05	20.00	20.08	
1.4	16QAM	6	0	19.05	19.00	19.10	20.0
1.4	64QAM	1	0	18.90	18.94	19.08	
1.4	64QAM	1	3	18.98	19.16	19.22	20.0
1.4	64QAM	1	5	18.95	19.09	19.15	
1.4	64QAM	3	0	19.12	19.01	19.04	
1.4	64QAM	3	1	19.05	18.93	19.15	20.0
1.4	64QAM	3	3	19.06	18.95	19.13	
1.4	64QAM	6	0	18.06	17.89	18.06	19.0
1.4	256QAM	1	0	16.14	16.07	16.06	
1.4	256QAM	1	3	16.25	16.13	16.17	17.0
1.4	256QAM	1	5	16.24	16.07	16.35	
1.4	256QAM	3	0	16.15	15.96	16.11	
1.4	256QAM	3	1	16.09	16.09	16.20	17.0
1.4	256QAM	3	3	16.04	15.95	16.21	
1.4	256QAM	6	0	16.12	15.88	16.09	

Band66 Ant4 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.87	21.03	20.90	21.5
20	QPSK	1	49	20.75	20.91	20.94	
20	QPSK	1	99	20.55	20.97	21.00	
20	QPSK	50	0	19.61	19.71	19.96	21.0
20	QPSK	50	24	19.50	19.94	20.10	
20	QPSK	50	50	19.51	19.93	19.99	
20	QPSK	100	0	19.53	19.77	20.01	
20	16QAM	1	0	19.98	19.93	20.03	21.0
20	16QAM	1	49	19.97	20.22	20.46	
20	16QAM	1	99	19.92	20.24	20.33	
20	16QAM	50	0	18.69	18.79	18.89	20.0
20	16QAM	50	24	18.48	18.91	19.03	
20	16QAM	50	50	18.53	18.96	19.04	
20	16QAM	100	0	18.46	18.83	19.07	
20	64QAM	1	0	18.80	18.83	18.65	20.0
20	64QAM	1	49	18.53	18.95	18.99	
20	64QAM	1	99	18.70	19.08	19.05	
20	64QAM	50	0	17.72	17.75	17.94	
20	64QAM	50	24	17.54	17.84	17.94	18.5
20	64QAM	50	50	17.54	17.99	18.08	
20	64QAM	100	0	17.58	17.86	18.02	
20	256QAM	1	0	16.30	16.05	16.18	
20	256QAM	1	49	15.83	16.27	16.30	17.0
20	256QAM	1	99	16.11	16.45	16.55	
20	256QAM	50	0	15.97	16.07	16.32	
20	256QAM	50	24	15.87	16.21	16.38	17.0
20	256QAM	50	50	15.83	16.27	16.37	
20	256QAM	100	0	15.90	16.13	16.35	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.52	20.54	20.63	21.5
15	QPSK	1	37	20.44	20.70	20.78	
15	QPSK	1	74	20.29	20.81	20.92	
15	QPSK	36	0	19.70	19.79	19.92	21.0
15	QPSK	36	20	19.56	19.78	20.02	
15	QPSK	39	39	19.45	19.97	20.00	
15	QPSK	75	0	19.51	19.81	20.01	
15	16QAM	1	0	20.11	19.98	19.84	21.0
15	16QAM	1	37	20.07	19.98	20.22	
15	16QAM	1	74	19.47	20.14	20.27	
15	16QAM	36	0	18.71	18.81	18.96	20.0
15	16QAM	36	20	18.59	18.82	19.05	
15	16QAM	39	39	18.43	18.91	19.06	
15	16QAM	75	0	18.50	18.85	19.05	
15	64QAM	1	0	18.82	18.94	19.02	20.0
15	64QAM	1	37	18.90	18.91	19.00	
15	64QAM	1	74	18.67	19.37	19.13	
15	64QAM	36	0	17.72	17.94	17.99	18.5
15	64QAM	36	20	17.55	17.82	18.06	
15	64QAM	39	39	17.54	18.00	18.01	
15	64QAM	75	0	17.55	17.77	18.06	
15	256QAM	1	0	16.19	16.30	16.35	17.0
15	256QAM	1	37	16.08	16.19	16.48	
15	256QAM	1	74	15.83	16.56	16.43	
15	256QAM	36	0	16.09	16.19	16.30	17.0
15	256QAM	36	20	15.90	16.22	16.38	
15	256QAM	39	39	15.86	16.30	16.38	
15	256QAM	75	0	15.97	16.22	16.37	

Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	20.49	20.60	20.58	21.5
10	QPSK	1	25	20.30	20.65	20.78	
10	QPSK	1	49	20.47	20.79	20.84	
10	QPSK	25	0	19.93	19.95	20.15	21.0
10	QPSK	25	12	19.88	20.07	20.22	
10	QPSK	25	25	19.71	20.06	20.15	
10	QPSK	50	0	19.93	20.07	20.22	
10	16QAM	1	0	20.18	20.07	20.13	21.0
10	16QAM	1	25	20.11	20.13	20.25	
10	16QAM	1	49	19.79	20.27	20.20	
10	16QAM	25	0	18.97	19.08	19.17	20.0
10	16QAM	25	12	18.84	19.07	19.26	
10	16QAM	25	25	18.67	19.07	19.19	
10	16QAM	50	0	18.82	19.02	19.17	
10	64QAM	1	0	19.07	19.07	19.18	20.0
10	64QAM	1	25	18.87	19.29	19.30	
10	64QAM	1	49	18.82	19.36	19.48	
10	64QAM	25	0	17.92	17.97	18.12	18.5
10	64QAM	25	12	17.91	18.09	18.20	
10	64QAM	25	25	17.74	18.04	18.13	
10	64QAM	50	0	17.80	18.02	18.20	
10	256QAM	1	0	16.35	16.34	16.51	17.0
10	256QAM	1	25	16.35	16.53	16.56	
10	256QAM	1	49	16.10	16.41	16.48	
10	256QAM	25	0	16.29	16.37	16.43	17.0
10	256QAM	25	12	16.20	16.37	16.57	
10	256QAM	25	25	16.12	16.43	16.46	
10	256QAM	50	0	16.21	16.40	16.57	
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	20.84	20.91	20.79	21.5
5	QPSK	1	12	20.86	20.95	20.77	
5	QPSK	1	24	20.89	20.97	20.79	
5	QPSK	12	0	20.02	20.14	19.99	21.0
5	QPSK	12	7	19.94	20.17	20.07	
5	QPSK	12	13	19.92	20.24	19.96	
5	QPSK	25	0	19.96	20.23	20.01	
5	16QAM	1	0	20.17	20.30	20.17	21.0
5	16QAM	1	12	20.23	20.38	20.27	
5	16QAM	1	24	20.19	20.39	20.03	
5	16QAM	12	0	19.02	19.19	18.94	20.0
5	16QAM	12	7	19.08	19.19	19.05	
5	16QAM	12	13	19.04	19.19	19.00	
5	16QAM	25	0	19.01	19.14	18.96	
5	64QAM	1	0	19.06	19.29	18.94	20.0
5	64QAM	1	12	19.13	19.36	19.12	
5	64QAM	1	24	19.15	19.31	18.85	
5	64QAM	12	0	18.04	18.13	17.99	18.5
5	64QAM	12	7	18.04	18.31	18.06	
5	64QAM	12	13	18.04	18.27	17.97	
5	64QAM	25	0	17.98	18.18	17.98	
5	256QAM	1	0	16.46	16.58	16.38	17.0
5	256QAM	1	12	16.51	16.54	16.51	
5	256QAM	1	24	16.46	16.51	16.47	
5	256QAM	12	0	16.38	16.45	16.31	17.0
5	256QAM	12	7	16.36	16.52	16.32	
5	256QAM	12	13	16.41	16.59	16.32	
5	256QAM	25	0	16.26	16.48	16.25	
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	20.77	20.94	20.67	

3	QPSK	1	8	20.87	21.01	20.85	21.5
3	QPSK	1	14	20.79	20.96	20.76	
3	QPSK	8	0	19.93	20.07	19.89	
3	QPSK	8	4	20.05	20.19	20.06	21.0
3	QPSK	8	7	20.00	20.16	19.97	
3	QPSK	15	0	19.97	20.27	20.00	
3	16QAM	1	0	20.02	20.12	20.01	
3	16QAM	1	8	20.27	20.37	20.17	21.0
3	16QAM	1	14	20.11	20.36	20.12	
3	16QAM	8	0	19.05	19.20	19.07	
3	16QAM	8	4	19.12	19.20	19.05	20.0
3	16QAM	8	7	18.95	19.19	19.04	
3	16QAM	15	0	18.93	19.22	18.97	
3	64QAM	1	0	19.12	19.07	19.06	
3	64QAM	1	8	19.25	19.45	19.18	20.0
3	64QAM	1	14	19.17	19.31	19.19	
3	64QAM	8	0	18.05	18.09	18.00	
3	64QAM	8	4	18.17	18.11	18.09	18.5
3	64QAM	8	7	18.03	18.13	17.94	
3	64QAM	15	0	17.99	18.25	18.02	
3	256QAM	1	0	16.31	16.47	16.27	
3	256QAM	1	8	16.46	16.73	16.46	17.0
3	256QAM	1	14	16.49	16.50	16.51	
3	256QAM	8	0	16.32	16.53	16.34	
3	256QAM	8	4	16.46	16.56	16.38	17.0
3	256QAM	8	7	16.35	16.51	16.28	
3	256QAM	15	0	16.32	16.50	16.32	
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	20.84	20.97	20.78	
1.4	QPSK	1	3	20.87	20.96	20.74	21.5
1.4	QPSK	1	5	20.85	20.91	20.82	
1.4	QPSK	3	0	20.82	20.99	20.82	
1.4	QPSK	3	1	20.89	20.99	20.79	21.5
1.4	QPSK	3	3	20.87	20.99	20.80	
1.4	QPSK	6	0	19.98	20.13	20.02	
1.4	16QAM	1	0	20.13	20.29	20.01	
1.4	16QAM	1	3	20.17	20.35	20.20	21.0
1.4	16QAM	1	5	20.11	20.39	19.96	
1.4	16QAM	3	0	20.06	20.25	20.03	
1.4	16QAM	3	1	20.10	20.18	20.07	21.0
1.4	16QAM	3	3	20.08	20.17	19.97	
1.4	16QAM	6	0	19.09	19.16	18.97	20.0
1.4	64QAM	1	0	19.10	19.30	19.06	
1.4	64QAM	1	3	19.25	19.35	19.05	20.0
1.4	64QAM	1	5	19.13	19.29	19.11	
1.4	64QAM	3	0	19.00	19.20	19.07	
1.4	64QAM	3	1	19.15	19.29	19.07	20.0
1.4	64QAM	3	3	19.10	19.18	19.01	
1.4	64QAM	6	0	18.13	18.09	17.94	19.0
1.4	256QAM	1	0	16.47	16.49	16.39	
1.4	256QAM	1	3	16.36	16.62	16.47	17.0
1.4	256QAM	1	5	16.33	16.65	16.45	
1.4	256QAM	3	0	16.38	16.63	16.31	
1.4	256QAM	3	1	16.36	16.52	16.36	17.0
1.4	256QAM	3	3	16.35	16.56	16.39	
1.4	256QAM	6	0	16.32	16.49	16.25	

Band5 Ant4 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	20.70	20.83	20.74	21.5
10	QPSK	1	25	20.61	20.75	20.73	
10	QPSK	1	49	20.66	20.67	20.59	
10	QPSK	25	0	19.73	19.79	19.75	20.5
10	QPSK	25	12	19.88	19.78	19.85	
10	QPSK	25	25	19.83	19.80	19.82	
10	QPSK	50	0	19.91	19.82	19.72	
10	16QAM	1	0	19.97	20.00	19.88	20.5
10	16QAM	1	25	19.93	20.04	19.85	
10	16QAM	1	49	19.81	20.12	19.96	
10	16QAM	25	0	18.88	18.87	18.79	19.5
10	16QAM	25	12	18.92	18.89	18.82	
10	16QAM	25	25	18.80	18.87	18.91	
10	16QAM	50	0	18.87	18.79	18.72	
10	64QAM	1	0	19.09	18.93	19.11	19.5
10	64QAM	1	25	19.05	18.96	19.02	
10	64QAM	1	49	18.93	18.90	18.93	
10	64QAM	25	0	17.83	17.83	17.79	18.5
10	64QAM	25	12	17.97	17.82	17.83	
10	64QAM	25	25	17.84	17.91	17.81	
10	64QAM	50	0	17.88	17.81	17.79	
10	256QAM	1	0	15.86	15.84	15.91	16.5
10	256QAM	1	25	15.97	15.96	15.91	
10	256QAM	1	49	16.05	16.00	15.89	
10	256QAM	25	0	15.84	15.86	15.85	16.5
10	256QAM	25	12	15.92	15.93	15.86	
10	256QAM	25	25	15.89	15.87	15.88	
10	256QAM	50	0	15.86	15.83	15.84	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	20.69	20.67	20.67	21.5
5	QPSK	1	12	20.77	20.79	20.75	
5	QPSK	1	24	20.71	20.61	20.64	
5	QPSK	12	0	19.86	19.78	19.75	20.5
5	QPSK	12	7	19.86	19.83	19.80	
5	QPSK	12	13	19.89	19.87	19.85	
5	QPSK	25	0	19.85	19.80	19.75	
5	16QAM	1	0	20.02	19.78	20.00	20.5
5	16QAM	1	12	20.15	20.11	20.09	
5	16QAM	1	24	20.04	20.06	20.10	
5	16QAM	12	0	18.95	18.77	18.71	19.5
5	16QAM	12	7	18.91	18.93	18.73	
5	16QAM	12	13	18.92	18.85	18.84	
5	16QAM	25	0	18.86	18.81	18.76	
5	64QAM	1	0	18.87	19.03	18.95	19.5
5	64QAM	1	12	19.09	18.92	19.01	
5	64QAM	1	24	18.82	18.92	18.98	
5	64QAM	12	0	17.92	17.83	17.77	18.5
5	64QAM	12	7	17.92	17.94	17.83	
5	64QAM	12	13	17.84	17.82	17.85	
5	64QAM	25	0	17.86	17.79	17.72	
5	256QAM	1	0	16.09	15.99	15.70	16.5
5	256QAM	1	12	16.06	16.15	16.15	
5	256QAM	1	24	16.12	16.03	15.98	
5	256QAM	12	0	15.92	15.84	15.75	16.5
5	256QAM	12	7	15.95	15.88	15.88	
5	256QAM	12	13	15.86	15.87	15.81	
5	256QAM	25	0	15.85	15.82	15.79	

Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	20.78	20.63	20.63	21.5
3	QPSK	1	8	20.81	20.71	20.68	
3	QPSK	1	14	20.67	20.69	20.58	
3	QPSK	8	0	19.92	19.77	19.78	20.5
3	QPSK	8	4	19.96	19.81	19.86	
3	QPSK	8	7	19.84	19.82	19.83	
3	QPSK	15	0	19.86	19.78	19.87	20.5
3	16QAM	1	0	19.95	20.02	19.97	
3	16QAM	1	8	20.07	20.00	19.97	
3	16QAM	1	14	20.13	19.90	19.93	19.5
3	16QAM	8	0	18.90	18.81	18.89	
3	16QAM	8	4	18.86	18.90	18.87	
3	16QAM	8	7	18.90	18.84	18.81	19.5
3	16QAM	15	0	18.84	18.80	18.76	
3	64QAM	1	0	19.14	18.77	18.84	
3	64QAM	1	8	19.03	19.06	18.97	18.5
3	64QAM	1	14	18.92	18.94	18.79	
3	64QAM	8	0	17.91	17.75	17.84	
3	64QAM	8	4	17.99	17.91	17.82	16.5
3	64QAM	8	7	17.91	17.86	17.89	
3	64QAM	15	0	17.92	17.77	17.86	
3	256QAM	1	0	16.02	15.97	15.86	16.5
3	256QAM	1	8	16.04	15.86	15.82	
3	256QAM	1	14	15.95	15.87	15.85	
3	256QAM	8	0	15.92	15.90	15.90	16.5
3	256QAM	8	4	16.02	15.86	15.85	
3	256QAM	8	7	15.98	15.89	15.87	
3	256QAM	15	0	15.95	15.84	15.83	
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	20.73	20.58	20.66	21.5
1.4	QPSK	1	3	20.72	20.73	20.63	
1.4	QPSK	1	5	20.74	20.63	20.61	
1.4	QPSK	3	0	20.78	20.61	20.66	21.5
1.4	QPSK	3	1	20.77	20.72	20.60	
1.4	QPSK	3	3	20.75	20.63	20.71	
1.4	QPSK	6	0	19.84	19.82	19.77	20.5
1.4	16QAM	1	0	19.93	19.99	19.89	20.5
1.4	16QAM	1	3	19.98	19.90	19.78	
1.4	16QAM	1	5	19.90	19.68	19.95	
1.4	16QAM	3	0	19.89	19.85	19.91	20.5
1.4	16QAM	3	1	19.93	19.93	19.88	
1.4	16QAM	3	3	19.90	19.95	19.87	
1.4	16QAM	6	0	18.82	18.79	18.84	19.5
1.4	64QAM	1	0	19.01	18.94	18.80	19.5
1.4	64QAM	1	3	19.00	19.01	18.95	
1.4	64QAM	1	5	18.91	18.84	18.85	
1.4	64QAM	3	0	18.94	18.83	18.88	19.5
1.4	64QAM	3	1	19.01	18.83	18.86	
1.4	64QAM	3	3	18.96	18.84	18.80	
1.4	64QAM	6	0	17.88	17.79	17.69	18.5
1.4	256QAM	1	0	16.03	15.82	15.81	16.5
1.4	256QAM	1	3	15.97	16.01	15.89	
1.4	256QAM	1	5	15.94	16.03	15.82	
1.4	256QAM	3	0	15.94	15.83	15.85	16.5
1.4	256QAM	3	1	16.01	15.84	15.84	
1.4	256QAM	3	3	15.86	15.90	15.91	
1.4	256QAM	6	0	15.88	15.87	15.79	

Band7 Ant4 Default							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.31	23.49	23.32	24.0
20	QPSK	1	49	23.35	23.45	23.29	
20	QPSK	1	99	23.30	23.35	23.33	
20	QPSK	50	0	21.29	21.23	21.02	23.0
20	QPSK	50	24	21.06	21.25	21.10	
20	QPSK	50	50	21.19	21.31	21.05	
20	QPSK	100	0	21.26	21.26	21.18	23.0
20	16QAM	1	0	21.06	21.25	21.19	
20	16QAM	1	49	21.22	21.26	21.12	
20	16QAM	1	99	21.12	21.14	21.08	22.0
20	16QAM	50	0	20.23	20.18	20.22	
20	16QAM	50	24	20.29	20.24	20.24	
20	16QAM	50	50	20.11	20.28	20.28	22.0
20	16QAM	100	0	20.21	20.25	20.14	
20	64QAM	1	0	20.26	20.20	20.20	
20	64QAM	1	49	20.20	20.21	20.23	22.0
20	64QAM	1	99	20.14	20.21	20.28	
20	64QAM	50	0	19.08	19.25	19.24	21.0
20	64QAM	50	24	19.02	19.27	19.25	
20	64QAM	50	50	19.27	19.30	19.24	
20	64QAM	100	0	19.30	19.24	19.10	19.0
20	256QAM	1	0	17.15	17.04	17.15	
20	256QAM	1	49	17.02	17.13	17.10	
20	256QAM	1	99	17.13	17.14	17.13	19.0
20	256QAM	50	0	17.25	17.33	17.26	
20	256QAM	50	24	17.37	17.29	17.35	
20	256QAM	50	50	17.39	17.36	17.38	19.0
20	256QAM	100	0	17.39	17.28	17.38	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.32	23.36	23.36	
15	QPSK	1	37	23.33	23.42	23.33	24.0
15	QPSK	1	74	23.35	23.32	23.24	
15	QPSK	36	0	21.25	21.19	21.14	23.0
15	QPSK	36	20	21.21	21.25	21.07	
15	QPSK	39	39	21.20	21.13	21.01	
15	QPSK	75	0	21.26	21.23	21.30	23.0
15	16QAM	1	0	21.18	21.24	21.29	
15	16QAM	1	37	21.20	21.28	21.15	
15	16QAM	1	74	21.23	21.16	21.07	22.0
15	16QAM	36	0	20.12	20.21	20.20	
15	16QAM	36	20	20.27	20.28	20.25	
15	16QAM	39	39	20.19	20.12	20.28	22.0
15	16QAM	75	0	20.29	20.22	20.18	
15	64QAM	1	0	20.10	20.15	20.18	
15	64QAM	1	37	20.21	20.30	20.29	22.0
15	64QAM	1	74	20.21	20.19	20.14	
15	64QAM	36	0	19.03	19.10	19.07	21.0
15	64QAM	36	20	19.03	19.16	19.03	
15	64QAM	39	39	19.27	19.08	19.03	
15	64QAM	75	0	19.28	19.15	19.26	19.0
15	256QAM	1	0	17.10	17.08	17.05	
15	256QAM	1	37	17.15	17.17	17.08	
15	256QAM	1	74	17.17	17.21	17.08	19.0
15	256QAM	36	0	17.35	17.36	17.27	
15	256QAM	36	20	17.31	17.34	17.33	
15	256QAM	39	39	17.39	17.28	17.28	19.0
15	256QAM	75	0	17.32	17.33	17.34	

Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	23.33	23.42	23.32	24.0
10	QPSK	1	25	23.21	23.47	23.31	
10	QPSK	1	49	23.29	23.41	23.24	
10	QPSK	25	0	21.06	21.40	21.02	23.0
10	QPSK	25	12	21.22	21.38	21.13	
10	QPSK	25	25	21.14	21.44	21.29	
10	QPSK	50	0	21.03	21.41	21.24	23.0
10	16QAM	1	0	21.10	21.41	21.00	
10	16QAM	1	25	21.09	21.45	21.16	
10	16QAM	1	49	21.10	21.33	21.28	22.0
10	16QAM	25	0	20.13	20.38	20.21	
10	16QAM	25	12	20.23	20.43	20.19	
10	16QAM	25	25	20.19	20.51	20.22	22.0
10	16QAM	50	0	20.26	20.34	20.14	
10	64QAM	1	0	20.14	20.35	20.20	
10	64QAM	1	25	20.15	20.40	20.11	21.0
10	64QAM	1	49	20.15	20.39	20.23	
10	64QAM	25	0	19.14	19.31	19.08	
10	64QAM	25	12	19.14	19.34	19.26	19.0
10	64QAM	25	25	19.17	19.36	19.19	
10	64QAM	50	0	19.14	19.41	19.00	
10	256QAM	1	0	17.12	17.19	17.16	19.0
10	256QAM	1	25	17.10	17.35	17.05	
10	256QAM	1	49	17.20	17.34	17.06	
10	256QAM	25	0	17.27	17.51	17.34	19.0
10	256QAM	25	12	17.31	17.51	17.26	
10	256QAM	25	25	17.39	17.53	17.27	
10	256QAM	50	0	17.30	17.46	17.39	
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	23.37	23.46	23.39	24.0
5	QPSK	1	12	23.29	23.39	23.42	
5	QPSK	1	24	23.37	23.41	23.29	
5	QPSK	12	0	21.03	21.40	21.13	23.0
5	QPSK	12	7	21.21	21.49	21.22	
5	QPSK	12	13	21.00	21.46	21.25	
5	QPSK	25	0	21.26	21.36	21.07	23.0
5	16QAM	1	0	21.30	21.31	21.00	
5	16QAM	1	12	21.11	21.39	21.24	
5	16QAM	1	24	21.20	21.34	21.18	22.0
5	16QAM	12	0	20.14	20.35	20.12	
5	16QAM	12	7	20.25	20.48	20.15	
5	16QAM	12	13	20.10	20.43	20.16	22.0
5	16QAM	25	0	20.16	20.37	20.25	
5	64QAM	1	0	20.28	20.38	20.20	
5	64QAM	1	12	20.27	20.42	20.15	21.0
5	64QAM	1	24	20.23	20.35	20.20	
5	64QAM	12	0	19.30	19.48	19.26	
5	64QAM	12	7	19.28	19.62	19.14	19.0
5	64QAM	12	13	19.01	19.61	19.00	
5	64QAM	25	0	19.29	19.31	19.09	
5	256QAM	1	0	17.20	17.23	17.04	19.0
5	256QAM	1	12	17.19	17.37	17.10	
5	256QAM	1	24	17.11	17.26	17.10	
5	256QAM	12	0	17.27	17.36	17.26	19.0
5	256QAM	12	7	17.29	17.46	17.30	
5	256QAM	12	13	17.33	17.45	17.26	
5	256QAM	25	0	17.29	17.50	17.29	

Band12 Ant4 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				20360	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	21.87	21.97	21.77	23.0
10	QPSK	1	25	21.88	21.81	21.74	
10	QPSK	1	49	21.72	21.64	21.64	
10	QPSK	25	0	20.97	20.94	20.90	22.0
10	QPSK	25	12	21.00	20.91	20.92	
10	QPSK	25	25	20.96	20.93	20.85	
10	QPSK	50	0	21.04	20.88	20.92	
10	16QAM	1	0	21.20	21.01	21.19	22.0
10	16QAM	1	25	21.12	21.04	21.02	
10	16QAM	1	49	20.92	20.88	20.85	
10	16QAM	25	0	20.00	19.96	19.91	21.0
10	16QAM	25	12	19.99	19.83	19.92	
10	16QAM	25	25	19.97	19.94	19.85	
10	16QAM	50	0	19.93	19.88	19.82	
10	64QAM	1	0	20.09	20.11	20.03	21.0
10	64QAM	1	25	20.07	20.01	19.92	
10	64QAM	1	49	19.95	19.87	19.83	
10	64QAM	25	0	18.98	18.94	18.91	20.0
10	64QAM	25	12	19.00	18.92	18.85	
10	64QAM	25	25	18.98	18.93	18.88	
10	64QAM	50	0	19.03	18.88	18.76	
10	256QAM	1	0	17.27	17.32	17.11	18.0
10	256QAM	1	25	17.20	17.29	17.27	
10	256QAM	1	49	17.09	17.20	16.91	
10	256QAM	25	0	17.10	17.11	17.05	18.0
10	256QAM	25	12	17.22	17.14	17.04	
10	256QAM	25	25	17.19	17.16	17.10	
10	256QAM	50	0	17.12	17.12	17.05	
Channel				23035	23095	23155	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	21.86	21.80	21.80	23.0
5	QPSK	1	12	21.80	21.79	21.72	
5	QPSK	1	24	21.67	21.70	21.58	
5	QPSK	12	0	20.97	20.93	20.81	22.0
5	QPSK	12	7	20.99	20.93	20.78	
5	QPSK	12	13	20.87	20.91	20.81	
5	QPSK	25	0	20.96	20.85	20.77	
5	16QAM	1	0	21.27	21.09	21.07	22.0
5	16QAM	1	12	21.16	21.15	21.15	
5	16QAM	1	24	20.98	21.02	20.86	
5	16QAM	12	0	20.03	19.91	19.80	21.0
5	16QAM	12	7	20.00	19.93	19.80	
5	16QAM	12	13	20.02	19.91	19.86	
5	16QAM	25	0	19.96	19.87	19.77	
5	64QAM	1	0	20.07	19.99	19.97	21.0
5	64QAM	1	12	20.23	20.18	19.89	
5	64QAM	1	24	19.93	19.90	19.82	
5	64QAM	12	0	19.03	18.89	18.76	20.0
5	64QAM	12	7	18.98	18.98	18.81	
5	64QAM	12	13	18.95	18.95	18.81	
5	64QAM	25	0	18.95	18.88	18.76	
5	256QAM	1	0	17.27	16.98	16.90	18.0
5	256QAM	1	12	17.47	17.21	17.11	
5	256QAM	1	24	17.04	17.23	17.18	
5	256QAM	12	0	17.17	17.09	17.00	18.0
5	256QAM	12	7	17.19	17.05	17.03	
5	256QAM	12	13	17.18	17.05	16.99	
5	256QAM	25	0	17.16	17.11	16.94	

Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	21.86	21.68	21.55	23.0
3	QPSK	1	8	21.87	21.82	21.64	
3	QPSK	1	14	21.83	21.68	21.57	
3	QPSK	8	0	21.02	20.87	20.70	22.0
3	QPSK	8	4	20.94	20.93	20.84	
3	QPSK	8	7	21.00	20.99	20.78	
3	QPSK	15	0	21.00	20.83	20.75	
3	16QAM	1	0	21.13	21.02	20.71	22.0
3	16QAM	1	8	21.05	21.09	21.01	
3	16QAM	1	14	21.02	21.08	20.74	
3	16QAM	8	0	20.09	19.90	19.80	21.0
3	16QAM	8	4	20.08	19.96	19.88	
3	16QAM	8	7	20.01	20.04	19.85	
3	16QAM	15	0	19.99	19.91	19.77	
3	64QAM	1	0	20.10	20.01	19.63	21.0
3	64QAM	1	8	20.10	19.90	20.01	
3	64QAM	1	14	19.74	20.00	19.79	
3	64QAM	8	0	19.06	18.95	18.76	20.0
3	64QAM	8	4	18.96	18.97	18.87	
3	64QAM	8	7	19.03	18.99	18.83	
3	64QAM	15	0	19.04	18.96	18.74	
3	256QAM	1	0	17.26	17.07	17.14	18.0
3	256QAM	1	8	17.36	17.26	17.15	
3	256QAM	1	14	17.18	17.27	17.06	
3	256QAM	8	0	17.16	17.10	17.01	18.0
3	256QAM	8	4	17.22	17.20	17.04	
3	256QAM	8	7	17.20	17.18	16.97	
3	256QAM	15	0	17.19	17.04	16.88	
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	
1.4	QPSK	1	0	21.87	21.67	21.58	23.0
1.4	QPSK	1	3	21.96	21.79	21.61	
1.4	QPSK	1	5	21.90	21.74	21.49	
1.4	QPSK	3	0	21.95	21.75	21.61	22.0
1.4	QPSK	3	1	21.94	21.72	21.58	
1.4	QPSK	3	3	21.95	21.70	21.64	
1.4	QPSK	6	0	21.07	20.84	20.77	
1.4	16QAM	1	0	21.05	20.97	20.82	22.0
1.4	16QAM	1	3	21.15	21.00	20.85	
1.4	16QAM	1	5	21.05	20.79	20.69	
1.4	16QAM	3	0	21.09	20.95	20.79	21.5
1.4	16QAM	3	1	21.10	20.93	20.74	
1.4	16QAM	3	3	21.22	20.90	20.82	
1.4	16QAM	6	0	20.11	19.83	19.70	20.5
1.4	64QAM	1	0	20.21	20.06	19.73	21.0
1.4	64QAM	1	3	20.22	20.01	19.94	
1.4	64QAM	1	5	20.05	19.86	19.73	
1.4	64QAM	3	0	20.15	20.02	19.75	20.5
1.4	64QAM	3	1	20.21	19.97	19.75	
1.4	64QAM	3	3	20.14	19.98	19.86	
1.4	64QAM	6	0	19.05	18.79	18.81	19.5
1.4	256QAM	1	0	17.32	17.13	16.98	18.0
1.4	256QAM	1	3	17.41	17.24	17.01	
1.4	256QAM	1	5	17.36	17.27	16.97	
1.4	256QAM	3	0	17.36	17.02	17.11	18.0
1.4	256QAM	3	1	17.36	17.09	16.99	
1.4	256QAM	3	3	17.16	17.19	16.88	
1.4	256QAM	6	0	17.26	17.02	16.91	

Band13 Ant4 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		21.31		22.0
10	QPSK	1	25		21.22		
10	QPSK	1	49		21.02		
10	QPSK	25	0		20.29		21.0
10	QPSK	25	12		20.35		
10	QPSK	25	25		20.34		
10	QPSK	50	0		20.21		21.0
10	16QAM	1	0		20.61		
10	16QAM	1	25		20.55		
10	16QAM	1	49		20.22		20.0
10	16QAM	25	0		19.34		
10	16QAM	25	12		19.38		
10	16QAM	25	25		19.32		20.0
10	16QAM	50	0		19.30		
10	64QAM	1	0		19.62		
10	64QAM	1	25		19.57		20.0
10	64QAM	1	49		19.35		
10	64QAM	25	0		18.39		
10	64QAM	25	12		18.33		19.0
10	64QAM	25	25		18.33		
10	64QAM	50	0		18.28		
10	256QAM	1	0		16.32		17.0
10	256QAM	1	25		16.66		
10	256QAM	1	49		16.35		
10	256QAM	25	0		16.42		17.0
10	256QAM	25	12		16.36		
10	256QAM	25	25		16.34		
10	256QAM	50	0		16.39		
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	21.27	21.23	21.14	22.0
5	QPSK	1	12	21.29	21.22	21.17	
5	QPSK	1	24	21.18	21.25	21.11	
5	QPSK	12	0	20.28	20.25	20.25	21.0
5	QPSK	12	7	20.42	20.26	20.20	
5	QPSK	12	13	20.35	20.27	20.32	
5	QPSK	25	0	20.35	20.26	20.18	21.0
5	16QAM	1	0	20.75	20.57	20.55	
5	16QAM	1	12	20.63	20.48	20.55	
5	16QAM	1	24	20.38	20.56	20.39	20.0
5	16QAM	12	0	19.38	19.35	19.34	
5	16QAM	12	7	19.42	19.32	19.30	
5	16QAM	12	13	19.34	19.37	19.36	20.0
5	16QAM	25	0	19.37	19.35	19.26	
5	64QAM	1	0	19.45	19.45	19.48	
5	64QAM	1	12	19.49	19.47	19.40	20.0
5	64QAM	1	24	19.39	19.49	19.31	
5	64QAM	12	0	18.39	18.26	18.34	
5	64QAM	12	7	18.41	18.34	18.25	19.0
5	64QAM	12	13	18.37	18.34	18.32	
5	64QAM	25	0	18.45	18.34	18.26	
5	256QAM	1	0	16.28	16.49	16.35	17.0
5	256QAM	1	12	16.49	16.41	16.48	
5	256QAM	1	24	16.43	16.39	16.45	
5	256QAM	12	0	16.38	16.34	16.34	17.0
5	256QAM	12	7	16.44	16.33	16.38	
5	256QAM	12	13	16.35	16.34	16.29	
5	256QAM	25	0	16.41	16.35	16.23	

Band17 Ant4 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	21.83	21.85	21.69	23.0
10	QPSK	1	25	21.70	21.79	21.71	
10	QPSK	1	49	21.65	21.67	21.53	
10	QPSK	25	0	20.86	20.91	20.91	22.0
10	QPSK	25	12	20.97	20.78	20.83	
10	QPSK	25	25	20.86	20.86	20.86	
10	QPSK	50	0	20.76	20.82	20.81	
10	16QAM	1	0	21.12	21.00	21.13	22.0
10	16QAM	1	25	20.95	20.94	21.11	
10	16QAM	1	49	20.87	20.88	20.89	
10	16QAM	25	0	19.83	19.89	19.89	21.0
10	16QAM	25	12	19.97	19.79	19.87	
10	16QAM	25	25	19.83	19.86	19.85	
10	16QAM	50	0	19.86	19.89	19.80	
10	64QAM	1	0	20.01	19.87	20.02	21.0
10	64QAM	1	25	20.02	20.06	20.07	
10	64QAM	1	49	19.95	19.95	19.92	
10	64QAM	25	0	18.85	18.91	18.80	20.0
10	64QAM	25	12	18.96	18.79	18.81	
10	64QAM	25	25	18.85	18.90	18.87	
10	64QAM	50	0	18.73	18.85	18.87	
10	256QAM	1	0	17.04	16.97	17.06	18.0
10	256QAM	1	25	17.15	17.07	17.08	
10	256QAM	1	49	16.95	16.94	17.05	
10	256QAM	25	0	16.85	16.93	16.94	18.0
10	256QAM	25	12	16.99	16.92	16.97	
10	256QAM	25	25	16.97	16.88	16.89	
10	256QAM	50	0	16.95	16.83	16.86	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	21.79	21.67	21.70	23.0
5	QPSK	1	12	21.76	21.82	21.73	
5	QPSK	1	24	21.74	21.66	21.69	
5	QPSK	12	0	20.86	20.90	20.83	22.0
5	QPSK	12	7	20.87	20.84	20.80	
5	QPSK	12	13	20.78	20.88	20.82	
5	QPSK	25	0	20.86	20.82	20.77	
5	16QAM	1	0	21.05	20.92	20.92	22.0
5	16QAM	1	12	21.19	21.15	21.06	
5	16QAM	1	24	20.81	21.16	21.10	
5	16QAM	12	0	19.97	19.92	19.81	21.0
5	16QAM	12	7	19.96	19.86	19.81	
5	16QAM	12	13	19.92	19.91	19.88	
5	16QAM	25	0	19.99	19.83	19.76	
5	64QAM	1	0	20.03	19.98	19.82	21.0
5	64QAM	1	12	20.01	19.93	20.02	
5	64QAM	1	24	19.84	19.91	19.74	
5	64QAM	12	0	18.89	18.91	18.72	20.0
5	64QAM	12	7	18.94	18.85	18.83	
5	64QAM	12	13	18.88	18.94	18.81	
5	64QAM	25	0	18.89	18.84	18.80	
5	256QAM	1	0	16.97	17.00	16.99	18.0
5	256QAM	1	12	16.91	17.08	17.13	
5	256QAM	1	24	16.97	16.84	16.98	
5	256QAM	12	0	16.91	16.86	16.84	18.0
5	256QAM	12	7	16.88	16.90	16.94	
5	256QAM	12	13	16.95	16.90	16.81	
5	256QAM	25	0	16.92	16.86	16.88	

Band25 Ant4 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.62	21.72	19.36	22.5
20	QPSK	1	49	21.29	21.25	20.57	
20	QPSK	1	99	21.29	21.54	20.74	
20	QPSK	50	0	20.44	20.26	19.91	21.5
20	QPSK	50	24	20.43	20.41	19.81	
20	QPSK	50	50	20.31	20.50	19.52	
20	QPSK	100	0	20.44	20.48	19.80	
20	16QAM	1	0	20.37	20.39	20.25	21.5
20	16QAM	1	49	20.59	20.37	19.78	
20	16QAM	1	99	20.43	20.62	18.90	
20	16QAM	50	0	19.41	19.30	18.92	20.0
20	16QAM	50	24	19.43	19.43	18.84	
20	16QAM	50	50	19.32	19.55	18.58	
20	16QAM	100	0	19.43	19.51	18.85	
20	64QAM	1	0	19.39	19.31	19.38	20.0
20	64QAM	1	49	19.49	19.35	18.75	
20	64QAM	1	99	19.27	19.62	17.76	
20	64QAM	50	0	18.44	18.32	17.94	20.0
20	64QAM	50	24	18.45	18.48	17.86	
20	64QAM	50	50	18.33	18.57	17.57	
20	64QAM	100	0	18.47	18.55	17.85	
20	256QAM	1	0	16.94	17.01	16.97	18.0
20	256QAM	1	49	17.03	16.79	16.11	
20	256QAM	1	99	17.16	17.59	15.75	
20	256QAM	50	0	16.81	16.73	16.38	18.0
20	256QAM	50	24	16.76	16.81	16.19	
20	256QAM	50	50	16.76	17.07	16.01	
20	256QAM	100	0	16.77	16.91	16.19	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	21.21	21.22	20.87	22.5
15	QPSK	1	37	21.28	21.21	20.74	
15	QPSK	1	74	21.51	21.42	19.51	
15	QPSK	36	0	20.27	20.30	19.81	21.5
15	QPSK	36	20	20.31	20.36	19.68	
15	QPSK	39	39	20.39	20.57	19.36	
15	QPSK	75	0	20.31	20.42	19.58	
15	16QAM	1	0	20.35	20.37	19.90	21.5
15	16QAM	1	37	20.36	20.26	19.91	
15	16QAM	1	74	20.72	20.42	18.71	
15	16QAM	36	0	19.30	19.30	18.81	20.0
15	16QAM	36	20	19.36	19.40	18.71	
15	16QAM	39	39	19.41	19.57	18.43	
15	16QAM	75	0	19.33	19.43	18.65	
15	64QAM	1	0	19.39	19.39	18.89	20.0
15	64QAM	1	37	19.41	19.39	18.88	
15	64QAM	1	74	19.66	19.60	17.77	
15	64QAM	36	0	18.33	18.34	17.86	20.0
15	64QAM	36	20	18.42	18.42	17.74	
15	64QAM	39	39	18.46	18.62	17.46	
15	64QAM	75	0	18.39	18.48	17.69	
15	256QAM	1	0	16.85	16.79	16.65	18.0
15	256QAM	1	37	16.92	16.84	16.42	
15	256QAM	1	74	17.09	17.37	15.48	
15	256QAM	36	0	16.72	16.68	16.22	18.0
15	256QAM	36	20	16.78	16.75	16.11	
15	256QAM	39	39	16.84	16.98	15.80	
15	256QAM	75	0	16.76	16.81	16.01	

Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	21.31	21.16	21.18	22.5
10	QPSK	1	25	21.46	21.20	20.67	
10	QPSK	1	49	21.21	21.39	19.64	
10	QPSK	25	0	20.30	20.34	19.80	21.5
10	QPSK	25	12	20.36	20.35	19.56	
10	QPSK	25	25	20.47	20.54	19.17	
10	QPSK	50	0	20.37	20.42	19.48	21.5
10	16QAM	1	0	20.26	20.59	19.81	
10	16QAM	1	25	20.42	20.23	19.71	
10	16QAM	1	49	20.80	20.92	18.50	20.0
10	16QAM	25	0	19.34	19.36	18.84	
10	16QAM	25	12	19.39	19.38	18.60	
10	16QAM	25	25	19.51	19.60	18.24	20.0
10	16QAM	50	0	19.41	19.47	18.52	
10	64QAM	1	0	19.38	19.73	19.00	
10	64QAM	1	25	19.61	19.46	18.66	20.0
10	64QAM	1	49	19.85	20.01	17.62	
10	64QAM	25	0	18.41	18.41	17.86	
10	64QAM	25	12	18.47	18.45	17.65	20.0
10	64QAM	25	25	18.55	18.65	17.28	
10	64QAM	50	0	18.48	18.52	17.58	
10	256QAM	1	0	16.94	16.94	16.62	18.0
10	256QAM	1	25	16.93	16.98	16.13	
10	256QAM	1	49	17.29	17.52	15.40	
10	256QAM	25	0	16.74	16.77	16.24	18.0
10	256QAM	25	12	16.79	16.74	15.97	
10	256QAM	25	25	16.90	16.97	15.56	
10	256QAM	50	0	16.81	16.87	15.91	
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	21.02	21.32	20.57	22.5
5	QPSK	1	12	21.23	21.25	20.10	
5	QPSK	1	24	21.32	21.45	19.28	
5	QPSK	12	0	20.13	20.25	19.35	21.5
5	QPSK	12	7	20.28	20.32	19.07	
5	QPSK	12	13	20.33	20.40	18.71	
5	QPSK	25	0	20.23	20.30	19.02	21.5
5	16QAM	1	0	20.07	20.39	19.61	
5	16QAM	1	12	20.46	20.42	19.32	
5	16QAM	1	24	20.60	20.63	18.44	20.0
5	16QAM	12	0	19.19	19.28	18.42	
5	16QAM	12	7	19.37	19.39	18.11	
5	16QAM	12	13	19.40	19.49	17.83	20.0
5	16QAM	25	0	19.30	19.36	18.08	
5	64QAM	1	0	19.25	19.54	18.61	
5	64QAM	1	12	19.44	19.42	18.21	20.0
5	64QAM	1	24	19.48	19.68	17.50	
5	64QAM	12	0	18.23	18.30	17.43	
5	64QAM	12	7	18.37	18.41	17.15	20.0
5	64QAM	12	13	18.46	18.48	16.83	
5	64QAM	25	0	18.34	18.39	17.13	
5	256QAM	1	0	16.38	16.92	16.04	18.0
5	256QAM	1	12	16.94	16.90	15.68	
5	256QAM	1	24	16.98	17.02	14.86	
5	256QAM	12	0	16.62	16.68	15.75	18.0
5	256QAM	12	7	16.79	16.75	15.50	
5	256QAM	12	13	16.79	16.87	15.17	
5	256QAM	25	0	16.68	16.74	15.45	
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	20.95	21.26	20.18	

3	QPSK	1	8	21.19	21.34	19.78	22.5
3	QPSK	1	14	21.22	21.36	19.21	
3	QPSK	8	0	20.10	20.23	18.96	21.5
3	QPSK	8	4	20.22	20.31	18.77	
3	QPSK	8	7	20.26	20.38	18.56	
3	QPSK	15	0	20.18	20.29	18.77	
3	16QAM	1	0	20.16	20.27	19.30	21.5
3	16QAM	1	8	20.38	20.49	18.97	
3	16QAM	1	14	20.53	20.52	18.33	
3	16QAM	8	0	19.17	19.30	18.02	20.0
3	16QAM	8	4	19.33	19.32	17.88	
3	16QAM	8	7	19.32	19.44	17.62	
3	16QAM	15	0	19.25	19.33	17.80	
3	64QAM	1	0	19.07	19.40	18.29	20.0
3	64QAM	1	8	19.36	19.44	18.02	
3	64QAM	1	14	19.47	19.53	17.30	
3	64QAM	8	0	18.27	18.34	17.02	20.0
3	64QAM	8	4	18.35	18.39	16.90	
3	64QAM	8	7	18.36	18.42	16.63	
3	64QAM	15	0	18.27	18.39	16.87	
3	256QAM	1	0	16.56	16.78	15.66	18.0
3	256QAM	1	8	16.88	16.90	15.34	
3	256QAM	1	14	16.72	17.03	14.77	
3	256QAM	8	0	16.54	16.60	15.44	18.0
3	256QAM	8	4	16.69	16.75	15.29	
3	256QAM	8	7	16.75	16.79	15.01	
3	256QAM	15	0	16.62	16.67	15.23	
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	21.00	21.11	19.67	22.5
1.4	QPSK	1	3	21.05	21.20	19.41	
1.4	QPSK	1	5	21.06	21.23	19.20	
1.4	QPSK	3	0	20.96	21.05	19.54	21.5
1.4	QPSK	3	1	20.99	21.07	19.44	
1.4	QPSK	3	3	21.01	21.17	19.20	
1.4	QPSK	6	0	20.04	20.14	18.39	
1.4	16QAM	1	0	20.17	20.20	18.77	21.5
1.4	16QAM	1	3	20.22	20.20	18.50	
1.4	16QAM	1	5	20.16	20.45	18.30	
1.4	16QAM	3	0	20.07	20.18	18.59	21.0
1.4	16QAM	3	1	20.10	20.21	18.51	
1.4	16QAM	3	3	20.12	20.27	18.44	
1.4	16QAM	6	0	19.13	19.19	17.49	20.0
1.4	64QAM	1	0	19.11	19.33	17.71	20.0
1.4	64QAM	1	3	19.20	19.40	17.62	
1.4	64QAM	1	5	19.21	19.31	17.33	
1.4	64QAM	3	0	19.12	19.24	17.69	20.0
1.4	64QAM	3	1	19.13	19.22	17.62	
1.4	64QAM	3	3	19.15	19.30	17.45	
1.4	64QAM	6	0	18.16	18.29	16.51	19.0
1.4	256QAM	1	0	16.45	16.69	15.10	18.0
1.4	256QAM	1	3	16.64	16.85	15.17	
1.4	256QAM	1	5	16.63	16.81	14.74	
1.4	256QAM	3	0	16.52	16.62	15.03	18.0
1.4	256QAM	3	1	16.49	16.60	14.99	
1.4	256QAM	3	3	16.48	16.69	14.88	
1.4	256QAM	6	0	16.46	16.61	14.86	

Band26 Ant4 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	20.74	20.87	20.59	21.5
15	QPSK	1	37	20.62	20.69	20.67	
15	QPSK	1	74	20.85	20.63	20.65	
15	QPSK	36	0	20.84	20.66	20.60	21.0
15	QPSK	36	20	20.71	20.78	20.66	
15	QPSK	36	39	20.85	20.74	20.67	
15	QPSK	75	0	19.93	19.83	19.75	
15	16QAM	1	0	20.01	19.86	19.77	20.5
15	16QAM	1	37	19.85	19.66	19.95	
15	16QAM	1	74	19.65	19.79	19.81	
15	16QAM	36	0	18.69	18.74	18.55	19.5
15	16QAM	36	20	18.71	18.58	18.60	
15	16QAM	36	39	18.66	18.72	18.69	
15	16QAM	75	0	18.72	18.68	18.66	
15	64QAM	1	0	18.94	18.85	18.79	19.5
15	64QAM	1	37	18.69	18.64	18.80	
15	64QAM	1	74	18.58	18.88	18.67	
15	64QAM	36	0	17.78	17.74	17.65	
15	64QAM	36	20	17.80	17.56	17.59	18.5
15	64QAM	36	39	17.75	17.67	17.69	
15	64QAM	75	0	17.82	17.66	17.73	
15	256QAM	1	0	16.05	15.81	15.82	
15	256QAM	1	37	15.78	15.82	15.82	16.5
15	256QAM	1	74	15.84	15.82	15.88	
15	256QAM	36	0	15.74	15.70	15.66	
15	256QAM	36	20	15.75	15.65	15.66	16.5
15	256QAM	36	39	15.78	15.69	15.69	
15	256QAM	75	0	15.77	15.69	15.72	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	20.65	20.79	20.73	21.5
10	QPSK	1	25	20.80	20.75	20.69	
10	QPSK	1	49	20.59	20.67	20.69	
10	QPSK	25	0	19.98	19.81	19.75	20.5
10	QPSK	25	12	19.92	19.82	19.76	
10	QPSK	25	25	19.90	19.89	19.82	
10	QPSK	50	0	19.92	19.80	19.79	
10	16QAM	1	0	20.19	19.84	20.01	20.5
10	16QAM	1	25	19.89	20.15	19.98	
10	16QAM	1	49	19.82	20.03	19.95	
10	16QAM	25	0	18.97	18.87	18.84	19.5
10	16QAM	25	12	18.93	18.72	18.74	
10	16QAM	25	25	18.92	18.90	18.83	
10	16QAM	50	0	18.94	18.79	18.78	
10	64QAM	1	0	19.20	18.97	18.89	19.5
10	64QAM	1	25	19.07	18.98	18.94	
10	64QAM	1	49	19.07	18.85	18.94	
10	64QAM	25	0	17.87	17.80	17.79	18.5
10	64QAM	25	12	17.93	17.83	17.75	
10	64QAM	25	25	17.81	17.86	17.81	
10	64QAM	50	0	17.94	17.82	17.81	
10	256QAM	1	0	16.17	16.00	15.85	16.5
10	256QAM	1	25	16.13	16.10	15.97	
10	256QAM	1	49	16.06	16.00	15.86	
10	256QAM	25	0	15.97	15.88	15.81	16.5
10	256QAM	25	12	15.90	15.84	15.85	
10	256QAM	25	25	15.87	15.89	15.83	
10	256QAM	50	0	15.95	15.88	15.82	

Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	20.70	20.73	20.74	21.5
5	QPSK	1	12	20.80	20.69	20.70	
5	QPSK	1	24	20.68	20.74	20.63	
5	QPSK	12	0	19.94	19.73	19.77	20.5
5	QPSK	12	7	19.96	19.82	19.86	
5	QPSK	12	13	19.90	19.82	19.78	
5	QPSK	25	0	19.96	19.71	19.77	20.5
5	16QAM	1	0	20.24	20.04	19.96	
5	16QAM	1	12	20.28	20.09	20.06	
5	16QAM	1	24	19.97	19.94	19.85	19.5
5	16QAM	12	0	19.00	18.79	18.88	
5	16QAM	12	7	19.07	18.89	18.89	
5	16QAM	12	13	18.92	18.83	18.79	19.5
5	16QAM	25	0	18.95	18.81	18.76	
5	64QAM	1	0	19.17	19.00	18.87	
5	64QAM	1	12	19.03	19.11	18.77	18.5
5	64QAM	1	24	18.85	18.88	18.94	
5	64QAM	12	0	17.95	17.79	17.84	
5	64QAM	12	7	17.99	17.79	17.89	16.5
5	64QAM	12	13	17.91	17.94	17.82	
5	64QAM	25	0	17.96	17.80	17.80	
5	256QAM	1	0	16.05	16.00	16.01	16.5
5	256QAM	1	12	16.14	15.94	15.95	
5	256QAM	1	24	15.93	15.98	15.93	
5	256QAM	12	0	16.02	15.82	15.89	16.5
5	256QAM	12	7	15.97	15.92	15.90	
5	256QAM	12	13	16.05	15.90	15.80	
5	256QAM	25	0	15.92	15.82	15.90	
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	20.83	20.65	20.64	21.5
3	QPSK	1	8	20.64	20.71	20.66	
3	QPSK	1	14	20.75	20.65	20.55	
3	QPSK	8	0	20.03	19.79	19.78	20.5
3	QPSK	8	4	20.00	19.90	19.82	
3	QPSK	8	7	19.94	19.78	19.72	
3	QPSK	15	0	20.00	19.79	19.84	20.5
3	16QAM	1	0	20.00	19.98	20.02	
3	16QAM	1	8	20.12	20.01	20.05	
3	16QAM	1	14	20.08	19.98	19.85	19.5
3	16QAM	8	0	19.03	18.83	18.83	
3	16QAM	8	4	19.04	18.88	18.86	
3	16QAM	8	7	18.95	18.95	18.85	19.5
3	16QAM	15	0	19.00	18.79	18.82	
3	64QAM	1	0	18.99	18.88	18.92	
3	64QAM	1	8	19.17	19.00	18.96	18.5
3	64QAM	1	14	18.84	18.81	18.64	
3	64QAM	8	0	18.06	17.81	17.85	
3	64QAM	8	4	18.03	17.95	17.86	16.5
3	64QAM	8	7	18.08	17.86	17.83	
3	64QAM	15	0	17.96	17.78	17.80	
3	256QAM	1	0	16.05	15.86	15.95	16.5
3	256QAM	1	8	16.14	16.02	16.04	
3	256QAM	1	14	16.07	16.01	15.95	
3	256QAM	8	0	16.02	15.75	15.84	16.5
3	256QAM	8	4	16.04	15.88	15.82	
3	256QAM	8	7	15.93	15.85	15.84	
3	256QAM	15	0	15.97	15.86	15.81	
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	20.61	20.49	20.44	

1.4	QPSK	1	3	20.61	20.42	20.51	21.5
1.4	QPSK	1	5	20.48	20.42	20.36	
1.4	QPSK	3	0	19.66	19.65	19.60	21.5
1.4	QPSK	3	1	19.69	19.56	19.61	
1.4	QPSK	3	3	20.85	20.74	20.67	20.5
1.4	QPSK	6	0	19.93	19.83	19.75	
1.4	16QAM	1	0	19.95	19.86	19.87	20.5
1.4	16QAM	1	3	20.02	20.03	19.89	
1.4	16QAM	1	5	20.11	19.85	19.82	20.5
1.4	16QAM	3	0	20.07	19.89	19.86	
1.4	16QAM	3	1	20.00	19.95	19.84	19.5
1.4	16QAM	3	3	19.98	19.87	19.82	
1.4	16QAM	6	0	18.97	18.86	18.71	19.5
1.4	64QAM	1	0	19.14	18.90	18.84	
1.4	64QAM	1	3	19.15	19.07	18.79	19.5
1.4	64QAM	1	5	19.10	19.04	18.83	
1.4	64QAM	3	0	19.05	18.80	18.89	19.5
1.4	64QAM	3	1	18.97	18.90	18.81	
1.4	64QAM	3	3	18.99	18.93	18.93	18.5
1.4	64QAM	6	0	18.07	17.82	17.80	
1.4	256QAM	1	0	16.07	15.89	15.77	16.5
1.4	256QAM	1	3	16.04	16.01	16.01	
1.4	256QAM	1	5	16.15	15.93	15.91	16.5
1.4	256QAM	3	0	16.12	15.89	15.78	
1.4	256QAM	3	1	16.16	15.86	15.81	
1.4	256QAM	3	3	16.06	15.86	15.88	
1.4	256QAM	6	0	15.90	15.79	15.80	

Band38 Ant4 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.19	22.32	22.16	23.0
20	QPSK	1	49	22.25	22.31	22.01	
20	QPSK	1	99	22.02	22.18	22.04	
20	QPSK	50	0	21.12	21.23	21.02	22.0
20	QPSK	50	24	21.19	21.28	21.08	
20	QPSK	50	50	21.16	21.33	21.24	
20	QPSK	100	0	21.09	21.21	21.19	
20	16QAM	1	0	21.05	21.24	21.23	22.0
20	16QAM	1	49	21.10	21.28	21.06	
20	16QAM	1	99	21.19	21.21	21.11	
20	16QAM	50	0	20.23	20.25	20.21	21.0
20	16QAM	50	24	20.12	20.28	20.25	
20	16QAM	50	50	20.14	20.29	20.28	
20	16QAM	100	0	20.07	20.21	20.25	
20	64QAM	1	0	20.31	20.51	20.27	21.0
20	64QAM	1	49	20.43	20.55	20.39	
20	64QAM	1	99	20.39	20.53	20.27	
20	64QAM	50	0	19.10	19.28	19.24	20.0
20	64QAM	50	24	19.20	19.27	19.13	
20	64QAM	50	50	19.04	19.36	19.10	
20	64QAM	100	0	19.09	19.26	19.27	
20	256QAM	1	0	17.20	17.28	17.00	18.0
20	256QAM	1	49	17.04	17.33	17.10	
20	256QAM	1	99	17.21	17.35	17.13	
20	256QAM	50	0	17.44	17.36	17.35	18.0
20	256QAM	50	24	17.31	17.38	17.38	
20	256QAM	50	50	17.42	17.42	17.33	
20	256QAM	100	0	17.36	17.33	17.40	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.08	22.01	22.27	23.0
15	QPSK	1	37	22.24	22.09	22.26	
15	QPSK	1	74	22.09	22.10	22.30	
15	QPSK	36	0	21.00	21.05	21.10	22.0
15	QPSK	36	20	21.30	21.10	21.22	
15	QPSK	39	39	21.26	21.08	21.03	
15	QPSK	75	0	21.26	21.19	21.10	
15	16QAM	1	0	21.01	21.25	21.29	22.0
15	16QAM	1	37	21.07	21.26	21.05	
15	16QAM	1	74	21.14	21.24	21.06	
15	16QAM	36	0	20.04	20.22	20.06	21.0
15	16QAM	36	20	20.09	20.15	20.29	
15	16QAM	39	39	20.12	20.22	20.02	
15	16QAM	75	0	20.01	20.08	20.15	
15	64QAM	1	0	20.25	20.36	20.28	21.0
15	64QAM	1	37	20.40	20.48	20.35	
15	64QAM	1	74	20.36	20.44	20.39	
15	64QAM	36	0	19.00	19.13	19.30	20.0
15	64QAM	36	20	19.19	19.12	19.25	
15	64QAM	39	39	19.08	19.21	19.13	
15	64QAM	75	0	19.21	19.26	19.11	
15	256QAM	1	0	17.03	17.30	17.23	18.0
15	256QAM	1	37	17.08	17.19	17.08	
15	256QAM	1	74	17.11	17.22	17.09	
15	256QAM	36	0	17.41	17.45	17.36	18.0
15	256QAM	36	20	17.44	17.32	17.29	
15	256QAM	39	39	17.26	17.27	17.29	
15	256QAM	75	0	17.32	17.39	17.43	

Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	22.10	22.17	22.02	23.0
10	QPSK	1	25	22.27	22.01	22.04	
10	QPSK	1	49	22.25	22.20	22.13	
10	QPSK	25	0	21.25	21.07	21.08	22.0
10	QPSK	25	12	21.25	21.03	21.02	
10	QPSK	25	25	21.29	21.30	21.01	
10	QPSK	50	0	21.13	21.25	21.22	22.0
10	16QAM	1	0	21.18	21.01	21.03	
10	16QAM	1	25	21.27	21.28	21.20	
10	16QAM	1	49	21.16	21.10	21.14	21.0
10	16QAM	25	0	20.29	20.08	20.04	
10	16QAM	25	12	20.20	20.16	20.16	
10	16QAM	25	25	20.29	20.27	20.13	21.0
10	16QAM	50	0	20.27	20.29	20.29	
10	64QAM	1	0	20.23	20.25	20.48	
10	64QAM	1	25	20.33	20.49	20.39	20.0
10	64QAM	1	49	20.29	20.24	20.37	
10	64QAM	25	0	19.09	19.16	19.01	
10	64QAM	25	12	19.01	19.05	19.17	18.0
10	64QAM	25	25	19.01	19.22	19.28	
10	64QAM	50	0	19.09	19.12	19.17	
10	256QAM	1	0	17.00	17.01	17.07	18.0
10	256QAM	1	25	17.25	17.24	17.19	
10	256QAM	1	49	17.17	17.05	17.28	
10	256QAM	25	0	17.45	17.31	17.37	18.0
10	256QAM	25	12	17.28	17.20	17.34	
10	256QAM	25	25	17.32	17.33	17.29	
10	256QAM	50	0	17.34	17.38	17.35	
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	22.27	22.22	22.23	23.0
5	QPSK	1	12	22.13	22.26	22.09	
5	QPSK	1	24	22.10	22.21	22.03	
5	QPSK	12	0	21.23	21.08	21.04	22.0
5	QPSK	12	7	21.21	21.18	21.08	
5	QPSK	12	13	21.19	21.04	21.25	
5	QPSK	25	0	21.28	21.23	21.16	22.0
5	16QAM	1	0	21.15	21.25	21.25	
5	16QAM	1	12	21.07	21.24	21.26	
5	16QAM	1	24	21.25	21.01	21.14	21.0
5	16QAM	12	0	20.01	20.16	20.10	
5	16QAM	12	7	20.14	20.28	20.09	
5	16QAM	12	13	20.20	20.21	20.29	21.0
5	16QAM	25	0	20.29	20.12	20.18	
5	64QAM	1	0	20.24	20.39	20.23	
5	64QAM	1	12	20.40	20.45	20.37	20.0
5	64QAM	1	24	20.25	20.37	20.32	
5	64QAM	12	0	19.11	19.15	19.03	
5	64QAM	12	7	19.29	19.09	19.27	18.0
5	64QAM	12	13	19.02	19.02	19.09	
5	64QAM	25	0	19.30	19.01	19.24	
5	256QAM	1	0	17.05	17.01	17.01	18.0
5	256QAM	1	12	17.10	17.27	17.01	
5	256QAM	1	24	17.12	17.18	17.24	
5	256QAM	12	0	17.31	17.45	17.41	18.0
5	256QAM	12	7	17.20	17.45	17.41	
5	256QAM	12	13	17.36	17.27	17.20	
5	256QAM	25	0	17.30	17.23	17.37	

Band41 Ant4 Default									
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power Mid CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.25	22.31	22.45	22.43	22.36	23.0
20	QPSK	1	49	22.44	22.43	22.39	22.37	22.34	
20	QPSK	1	99	22.39	22.38	22.26	22.26	22.44	
20	QPSK	50	0	21.03	21.08	21.23	21.05	21.14	22.0
20	QPSK	50	24	21.13	21.21	21.29	21.05	21.12	
20	QPSK	50	50	21.13	21.30	21.41	21.25	21.22	
20	QPSK	100	0	21.06	21.10	21.31	21.28	21.23	22.0
20	16QAM	1	0	21.19	21.30	21.27	21.09	21.01	
20	16QAM	1	49	21.40	21.06	21.36	21.02	21.13	
20	16QAM	1	99	21.05	21.25	21.33	21.26	21.12	21.0
20	16QAM	50	0	20.13	20.29	20.22	20.03	20.09	
20	16QAM	50	24	20.29	20.33	20.36	20.06	20.11	
20	16QAM	50	50	20.31	20.22	20.31	20.28	20.03	21.0
20	16QAM	100	0	20.33	20.33	20.31	20.04	20.25	
20	64QAM	1	0	20.50	20.49	20.54	20.49	20.47	
20	64QAM	1	49	20.22	20.30	20.69	20.35	20.30	21.0
20	64QAM	1	99	20.39	20.38	20.71	20.48	20.36	
20	64QAM	50	0	19.44	19.02	19.37	19.41	19.20	
20	64QAM	50	24	19.13	19.24	19.39	19.31	19.39	20.0
20	64QAM	50	50	19.35	19.31	19.35	19.45	19.19	
20	64QAM	100	0	19.09	19.35	19.33	19.50	19.50	
20	256QAM	1	0	17.32	17.30	17.31	17.33	17.47	18.0
20	256QAM	1	49	17.42	17.26	17.39	17.42	17.20	
20	256QAM	1	99	17.36	17.36	17.42	17.46	17.47	
20	256QAM	50	0	17.45	17.40	17.38	17.39	17.26	18.0
20	256QAM	50	24	17.25	17.34	17.46	17.43	17.45	
20	256QAM	50	50	17.46	17.34	17.53	17.29	17.27	
20	256QAM	100	0	17.28	17.30	17.48	17.26	17.45	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.28	22.20	22.26	22.23	22.31	23.0
15	QPSK	1	37	22.30	22.31	22.30	22.34	22.43	
15	QPSK	1	74	22.33	22.39	22.30	22.26	22.43	
15	QPSK	36	0	21.19	21.11	21.11	21.14	21.19	22.0
15	QPSK	36	20	21.27	21.06	21.10	21.16	21.02	
15	QPSK	39	39	21.01	21.03	21.22	21.20	21.07	
15	QPSK	75	0	21.03	21.14	21.01	21.25	21.22	22.0
15	16QAM	1	0	21.10	21.28	21.01	21.34	21.16	
15	16QAM	1	37	21.07	21.38	21.16	21.34	21.26	
15	16QAM	1	74	21.00	21.36	21.17	21.10	21.39	21.0
15	16QAM	36	0	20.19	20.28	20.20	20.06	20.27	
15	16QAM	36	20	20.18	20.10	20.02	20.15	20.07	
15	16QAM	39	39	20.06	20.33	20.23	20.24	20.28	21.0
15	16QAM	75	0	20.15	20.08	20.21	20.11	20.16	
15	64QAM	1	0	20.26	20.50	20.50	20.37	20.46	
15	64QAM	1	37	20.43	20.39	20.41	20.49	20.34	21.0
15	64QAM	1	74	20.50	20.48	20.37	20.47	20.27	
15	64QAM	36	0	19.29	19.42	19.21	19.15	19.31	20.0
15	64QAM	36	20	19.25	19.23	19.17	19.49	19.50	
15	64QAM	39	39	19.13	19.06	19.35	19.48	19.25	
15	64QAM	75	0	19.07	19.44	19.26	19.24	19.42	18.0
15	256QAM	1	0	17.30	17.49	17.36	17.24	17.43	
15	256QAM	1	37	17.40	17.42	17.37	17.38	17.30	
15	256QAM	1	74	17.21	17.30	17.24	17.22	17.36	18.0
15	256QAM	36	0	17.33	17.26	17.32	17.40	17.20	
15	256QAM	36	20	17.20	17.38	17.50	17.22	17.31	
15	256QAM	39	39	17.29	17.23	17.32	17.29	17.43	23.0
15	256QAM	75	0	17.44	17.49	17.47	17.34	17.21	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2510	2547	2593	2639	2685	
10	QPSK	1	0	22.27	22.29	22.24	22.24	22.40	
10	QPSK	1	25	22.32	22.33	22.38	22.20	22.35	23.0
10	QPSK	1	49	22.34	22.41	22.34	22.44	22.21	

10	QPSK	25	0	21.21	21.21	21.26	21.13	21.16	22.0
10	QPSK	25	12	21.24	21.05	21.23	21.02	21.03	
10	QPSK	25	25	21.07	21.27	21.13	21.11	21.09	
10	QPSK	50	0	21.05	21.18	21.30	21.16	21.29	
10	16QAM	1	0	21.07	21.01	21.16	21.23	21.02	22.0
10	16QAM	1	25	21.32	21.16	21.15	21.00	21.05	
10	16QAM	1	49	21.38	21.09	21.13	21.07	21.30	
10	16QAM	25	0	20.10	20.16	20.16	20.25	20.20	
10	16QAM	25	12	20.33	20.17	20.13	20.08	20.05	21.0
10	16QAM	25	25	20.26	20.12	20.13	20.31	20.33	
10	16QAM	50	0	20.25	20.16	20.31	20.17	20.22	
10	64QAM	1	0	20.27	20.46	20.30	20.49	20.31	
10	64QAM	1	25	20.46	20.37	20.50	20.28	20.36	21.0
10	64QAM	1	49	20.24	20.50	20.44	20.24	20.34	
10	64QAM	25	0	19.01	19.14	19.24	19.20	19.02	
10	64QAM	25	12	19.12	19.47	19.14	19.35	19.37	
10	64QAM	25	25	19.45	19.01	19.08	19.33	19.47	20.0
10	64QAM	50	0	19.00	19.31	19.40	19.03	19.00	
10	256QAM	1	0	17.22	17.25	17.23	17.21	17.42	
10	256QAM	1	25	17.45	17.22	17.43	17.49	17.47	
10	256QAM	1	49	17.40	17.37	17.36	17.34	17.24	18.0
10	256QAM	25	0	17.40	17.24	17.46	17.39	17.35	
10	256QAM	25	12	17.22	17.40	17.29	17.23	17.23	
10	256QAM	25	25	17.32	17.22	17.36	17.24	17.40	
10	256QAM	50	0	17.27	17.45	17.45	17.20	17.38	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	22.26	22.33	22.21	22.34	22.44	23.0
5	QPSK	1	12	22.37	22.22	22.44	22.40	22.35	
5	QPSK	1	24	22.36	22.42	22.29	22.20	22.29	
5	QPSK	12	0	21.30	21.10	21.14	21.12	21.22	
5	QPSK	12	7	21.28	21.20	21.15	21.13	21.29	22.0
5	QPSK	12	13	21.13	21.27	21.28	21.22	21.14	
5	QPSK	25	0	21.27	21.16	21.25	21.27	21.09	
5	16QAM	1	0	21.05	21.08	21.32	21.10	21.30	
5	16QAM	1	12	21.21	21.16	21.05	21.02	21.21	22.0
5	16QAM	1	24	21.02	21.30	21.32	21.31	21.18	
5	16QAM	12	0	20.28	20.15	20.23	20.14	20.01	
5	16QAM	12	7	20.24	20.00	20.24	20.05	20.07	
5	16QAM	12	13	20.06	20.10	20.04	20.21	20.14	21.0
5	16QAM	25	0	20.00	20.16	20.05	20.24	20.04	
5	64QAM	1	0	20.25	20.35	20.25	20.27	20.32	
5	64QAM	1	12	20.42	20.26	20.26	20.28	20.39	
5	64QAM	1	24	20.40	20.27	20.42	20.48	20.37	21.0
5	64QAM	12	0	19.44	19.12	19.15	19.37	19.09	
5	64QAM	12	7	19.02	19.25	19.48	19.07	19.12	
5	64QAM	12	13	19.19	19.37	19.45	19.24	19.22	
5	64QAM	25	0	19.44	19.35	19.27	19.46	19.13	20.0
5	256QAM	1	0	17.32	17.35	17.23	17.48	17.24	
5	256QAM	1	12	17.43	17.39	17.48	17.43	17.24	
5	256QAM	1	24	17.50	17.23	17.38	17.50	17.43	
5	256QAM	12	0	17.31	17.34	17.23	17.43	17.41	18.0
5	256QAM	12	7	17.25	17.25	17.44	17.21	17.20	
5	256QAM	12	13	17.40	17.31	17.36	17.48	17.33	
5	256QAM	25	0	17.21	17.29	17.24	17.32	17.30	

Band42 Ant2 Default

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.17	23.36	23.06	24.0
20	QPSK	1	49	23.11	22.86	23.13	
20	QPSK	1	99	22.99	22.86	23.03	
20	QPSK	50	0	22.42	22.17	22.32	23.0
20	QPSK	50	24	22.33	22.18	22.35	
20	QPSK	50	50	22.29	22.13	22.38	
20	QPSK	100	0	22.35	22.15	22.38	23.0
20	16QAM	1	0	22.60	22.23	22.36	
20	16QAM	1	49	22.61	22.38	22.43	
20	16QAM	1	99	22.49	22.32	22.37	22.0
20	16QAM	50	0	21.38	21.19	21.26	
20	16QAM	50	24	21.38	21.19	21.37	
20	16QAM	50	50	21.29	21.20	21.39	22.0
20	16QAM	100	0	21.38	21.15	21.34	
20	64QAM	1	0	21.45	21.21	21.34	
20	64QAM	1	49	21.40	21.21	21.40	22.0
20	64QAM	1	99	21.26	21.23	21.33	
20	64QAM	50	0	20.39	20.20	20.28	21.0
20	64QAM	50	24	20.34	20.17	20.39	
20	64QAM	50	50	20.30	20.17	20.34	
20	64QAM	100	0	20.33	20.14	20.33	19.0
20	256QAM	1	0	18.52	18.31	18.33	
20	256QAM	1	49	18.40	18.20	18.37	
20	256QAM	1	99	18.38	18.32	18.42	19.0
20	256QAM	50	0	18.37	18.16	18.30	
20	256QAM	50	24	18.38	18.15	18.39	
20	256QAM	50	50	18.34	18.18	18.42	Tune-up limit
20	256QAM	100	0	18.34	18.19	18.38	
Channel				42165	42590	43015	
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	23.17	22.96	23.11	24.0
15	QPSK	1	37	23.14	22.93	23.17	
15	QPSK	1	74	23.02	22.93	23.10	
15	QPSK	36	0	22.34	22.15	22.26	23.0
15	QPSK	36	20	22.34	22.11	22.28	
15	QPSK	39	39	22.28	22.14	22.33	
15	QPSK	75	0	22.37	22.14	22.27	23.0
15	16QAM	1	0	22.43	22.43	22.38	
15	16QAM	1	37	22.28	22.29	22.43	
15	16QAM	1	74	22.27	22.28	22.29	22.0
15	16QAM	36	0	21.37	21.15	21.31	
15	16QAM	36	20	21.36	21.10	21.28	
15	16QAM	39	39	21.36	21.15	21.36	22.0
15	16QAM	75	0	21.35	21.12	21.27	
15	64QAM	1	0	21.34	21.12	21.30	
15	64QAM	1	37	21.27	21.22	21.41	22.0
15	64QAM	1	74	21.23	21.14	21.33	
15	64QAM	36	0	20.40	20.14	20.24	
15	64QAM	36	20	20.36	20.17	20.27	21.0
15	64QAM	39	39	20.34	20.18	20.37	
15	64QAM	75	0	20.37	20.18	20.23	
15	256QAM	1	0	18.41	18.20	18.38	19.0
15	256QAM	1	37	18.51	18.40	18.46	
15	256QAM	1	74	18.51	18.40	18.55	
15	256QAM	36	0	18.39	18.20	18.29	19.0
15	256QAM	36	20	18.32	18.17	18.30	
15	256QAM	39	39	18.34	18.16	18.39	
15	256QAM	75	0	18.33	18.14	18.34	

Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	23.27	23.10	23.24	24.0
10	QPSK	1	25	23.34	23.13	23.12	
10	QPSK	1	49	23.17	23.06	23.29	
10	QPSK	25	0	22.54	22.31	22.42	23.0
10	QPSK	25	12	22.52	22.31	22.47	
10	QPSK	25	25	22.47	22.29	22.52	
10	QPSK	50	0	22.46	22.31	22.42	
10	16QAM	1	0	22.50	22.37	22.55	23.0
10	16QAM	1	25	22.60	22.50	22.66	
10	16QAM	1	49	22.43	22.34	22.65	
10	16QAM	25	0	21.51	21.28	21.41	22.0
10	16QAM	25	12	21.53	21.31	21.43	
10	16QAM	25	25	21.48	21.28	21.51	
10	16QAM	50	0	21.52	21.30	21.41	
10	64QAM	1	0	21.55	21.31	21.54	22.0
10	64QAM	1	25	21.63	21.41	21.59	
10	64QAM	1	49	21.52	21.29	21.75	
10	64QAM	25	0	20.52	20.31	20.44	21.0
10	64QAM	25	12	20.53	20.34	20.48	
10	64QAM	25	25	20.48	20.26	20.46	
10	64QAM	50	0	20.50	20.30	20.41	
10	256QAM	1	0	18.74	18.39	18.58	19.0
10	256QAM	1	25	18.71	18.36	18.63	
10	256QAM	1	49	18.59	18.39	18.70	
10	256QAM	25	0	18.49	18.29	18.45	19.0
10	256QAM	25	12	18.53	18.35	18.50	
10	256QAM	25	25	18.49	18.25	18.55	
10	256QAM	50	0	18.51	18.27	18.45	
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	23.26	23.03	23.27	24.0
5	QPSK	1	12	23.31	23.08	23.30	
5	QPSK	1	24	23.29	23.04	23.23	
5	QPSK	12	0	22.50	22.26	22.50	23.0
5	QPSK	12	7	22.47	22.31	22.48	
5	QPSK	12	13	22.50	22.31	22.52	
5	QPSK	25	0	22.48	22.26	22.46	
5	16QAM	1	0	22.63	22.40	22.61	23.0
5	16QAM	1	12	22.67	22.50	22.66	
5	16QAM	1	24	22.68	22.48	22.66	
5	16QAM	12	0	21.50	21.29	21.50	22.0
5	16QAM	12	7	21.53	21.32	21.54	
5	16QAM	12	13	21.54	21.29	21.55	
5	16QAM	25	0	21.53	21.30	21.50	
5	64QAM	1	0	21.56	21.23	21.48	22.0
5	64QAM	1	12	21.59	21.40	21.74	
5	64QAM	1	24	21.55	21.32	21.57	
5	64QAM	12	0	20.50	20.29	20.54	21.0
5	64QAM	12	7	20.55	20.33	20.57	
5	64QAM	12	13	20.49	20.28	20.55	
5	64QAM	25	0	20.53	20.26	20.45	
5	256QAM	1	0	18.13	18.05	18.24	19.0
5	256QAM	1	12	18.34	18.04	18.34	
5	256QAM	1	24	18.28	18.12	18.39	
5	256QAM	12	0	18.21	18.01	18.22	19.0
5	256QAM	12	7	18.24	18.00	18.22	
5	256QAM	12	13	18.15	18.00	18.23	
5	256QAM	25	0	18.21	18.03	18.21	

n5 Ant0 Main PA Default							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
25	PI/2 BPSK	1	1	23.16	23.13	23.11	24.0
25	PI/2 BPSK	1	53	23.11	23.11	23.10	
25	PI/2 BPSK	1	104	23.04	23.04	23.13	
25	PI/2 BPSK	50	0	22.48	22.54	22.51	23.0
25	PI/2 BPSK	50	28	23.03	23.05	23.01	24.0
25	PI/2 BPSK	50	56	22.59	22.53	22.61	23.0
25	PI/2 BPSK	100	0	22.55	22.58	22.52	
25	QPSK	1	1	23.02	23.18	23.03	24.0
25	QPSK	1	53	23.07	23.09	23.08	
25	QPSK	1	104	22.99	23.02	23.01	
25	QPSK	50	0	21.96	22.01	21.98	23.0
25	QPSK	50	28	23.01	23.02	22.98	23.5
25	QPSK	50	56	21.99	22.01	22.01	23.0
25	QPSK	100	0	21.96	22.04	22.03	
25	16QAM	1	1	22.25	22.27	22.19	
25	64QAM	1	1	20.65	20.70	20.66	21.0
25	256QAM	1	1	18.74	18.72	18.79	20.0
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
20	PI/2 BPSK	1	1	23.04	23.09	23.11	24.0
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
15	QPSK	1	1	23.01	23.11	23.05	24.0
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
10	QPSK	1	1	23.10	23.13	23.13	24.0
Channel				164800	167300	169800	Tune-up limit (dBm)
Frequency (MHz)				824	836.5	849	
5	PI/2 BPSK	1	1	23.14	23.11	23.17	24.0

n5 Ant0 Other PA Default							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
25	PI/2 BPSK	1	1	22.91	22.95	22.89	24.0
25	PI/2 BPSK	1	53	22.95	23.00	22.91	
25	PI/2 BPSK	1	104	22.73	22.68	22.65	
25	PI/2 BPSK	50	0	22.46	22.48	22.53	23.0
25	PI/2 BPSK	50	28	22.88	22.91	22.86	
25	PI/2 BPSK	50	56	22.46	22.50	22.55	23.0
25	PI/2 BPSK	100	0	22.43	22.56	22.63	
25	QPSK	1	1	22.93	23.03	22.95	24.0
25	QPSK	1	53	23.00	23.02	22.99	
25	QPSK	1	104	22.56	22.69	22.62	
25	QPSK	50	0	21.76	21.96	21.82	23.0
25	QPSK	50	28	22.65	22.68	22.69	
25	QPSK	50	56	21.69	21.97	21.83	
25	QPSK	100	0	22.04	22.03	22.06	23.0
25	16QAM	1	1	22.10	22.05	22.04	23.0
25	64QAM	1	1	20.46	20.56	20.39	21.0
25	256QAM	1	1	18.69	18.72	18.73	20.0
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
20	PI/2 BPSK	1	1	22.94	22.95	22.96	24.0
Channel				165800	167300	168800	Tune-up limit

Frequency (MHz)				829	836.5	844	(dBm)
15	QPSK	1	1	22.92	22.93	22.86	24.0
Channel				165300	167300	169300	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
10	QPSK	1	1	22.91	22.82	22.85	24.0
Channel				164800	167300	169800	Tune-up limit
Frequency (MHz)				824	836.5	849	(dBm)
5	PI/2 BPSK	1	1	22.86	22.75	22.88	24.0

n26 Ant0 Default							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	22.48	22.51	22.55	23.0
20	PI/2 BPSK	1	53	22.51	22.53	22.48	
20	PI/2 BPSK	1	104	22.36	22.49	22.41	
20	PI/2 BPSK	50	0	22.05	22.01	22.10	23.0
20	PI/2 BPSK	50	28	22.41	22.55	22.48	
20	PI/2 BPSK	50	56	21.82	21.96	21.91	
20	PI/2 BPSK	100	0	22.01	22.05	22.08	23.0
20	QPSK	1	1	22.56	22.60	22.52	
20	QPSK	1	53	22.43	22.59	22.51	
20	QPSK	1	104	22.45	22.53	22.56	23.0
20	QPSK	50	0	21.46	21.52	21.57	
20	QPSK	50	28	22.53	22.55	22.44	
20	QPSK	50	56	21.39	21.48	21.43	22.0
20	QPSK	100	0	21.46	21.57	21.53	
20	16QAM	1	1	21.59	21.63	21.56	22.0
20	64QAM	1	1	20.00	20.04	20.07	21.0
20	256QAM	1	1	18.27	18.30	18.21	19.0
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	22.46	22.53	22.41	23.0
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	1	22.51	22.46	22.55	23.0
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	22.47	22.58	22.53	23.0