



REPORT No.: SZ24100189S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacturer's document.

Full Power

Band 2 (1900MHz Band) (dBm) Part 24E							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	24
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.85	22.92	22.83	
20	QPSK	1	49	22.84	22.86	22.79	23
20	QPSK	1	99	22.76	22.83	22.80	
20	QPSK	50	0	21.90	21.95	21.91	
20	QPSK	50	24	21.87	21.81	21.79	23
20	QPSK	50	50	21.84	21.87	21.80	
20	QPSK	100	0	21.87	21.88	21.77	
20	16QAM	1	0	22.14	22.05	21.88	23
20	16QAM	1	49	22.02	22.11	22.06	
20	16QAM	1	99	22.12	21.89	22.16	
20	16QAM	50	0	20.95	20.90	20.94	22
20	16QAM	50	24	21.04	20.89	20.88	
20	16QAM	50	50	20.91	20.94	20.96	
20	16QAM	100	0	20.89	20.91	20.87	23
20	64QAM	1	0	21.89	22.03	21.98	
20	64QAM	1	49	21.92	21.96	21.86	
20	64QAM	1	99	22.02	21.90	21.72	22
20	64QAM	50	0	20.97	20.86	20.86	
20	64QAM	50	24	20.80	20.81	20.88	
20	64QAM	50	50	20.93	20.86	20.91	19
20	64QAM	100	0	20.85	20.88	20.87	
20	256QAM	1	0	17.79	17.80	17.76	
20	256QAM	1	49	17.71	17.76	17.66	19
20	256QAM	1	99	17.81	17.70	17.52	
20	256QAM	50	0	17.66	17.56	17.56	19
20	256QAM	50	24	17.49	17.51	17.58	
20	256QAM	50	50	17.62	17.56	17.61	
20	256QAM	100	0	17.54	17.58	17.57	24
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.80	22.83	22.76	24
15	QPSK	1	37	22.72	22.74	22.67	
15	QPSK	1	74	22.64	22.71	22.68	
15	QPSK	36	0	21.78	21.83	21.79	23
15	QPSK	36	20	21.75	21.69	21.67	
15	QPSK	36	39	21.72	21.75	21.68	
15	QPSK	75	0	21.75	21.76	21.65	23
15	16QAM	1	0	22.02	21.93	21.76	
15	16QAM	1	37	21.90	21.99	21.94	
15	16QAM	1	74	22.00	21.77	22.04	22
15	16QAM	36	0	20.83	20.78	20.82	
15	16QAM	36	20	20.92	20.77	20.76	
15	16QAM	36	39	20.79	20.82	20.84	23
15	16QAM	75	0	20.77	20.79	20.75	
15	64QAM	1	0	21.77	21.91	21.86	
15	64QAM	1	37	21.80	21.84	21.74	22
15	64QAM	1	74	21.90	21.78	21.60	
15	64QAM	36	0	20.85	20.74	20.74	
15	64QAM	36	20	20.68	20.69	20.76	19
15	64QAM	36	39	20.81	20.74	20.79	
15	64QAM	75	0	20.73	20.76	20.75	
15	256QAM	1	0	17.67	17.68	17.64	19
15	256QAM	1	37	17.59	17.64	17.54	
15	256QAM	1	74	17.69	17.58	17.40	
15	256QAM	36	0	17.54	17.44	17.44	19
15	256QAM	36	20	17.37	17.39	17.46	
15	256QAM	36	39	17.50	17.44	17.49	
15	256QAM	75	0	17.42	17.46	17.45	24
Channel				18650	18900	19150	
Frequency (MHz)				1855	1860	1905	
10	QPSK	1	0	22.78	22.81	22.74	24
10	QPSK	1	25	22.70	22.72	22.65	
10	QPSK	1	49	22.62	22.69	22.66	
10	QPSK	25	0	21.76	21.81	21.77	23
10	QPSK	25	12	21.73	21.67	21.65	
10	QPSK	25	25	21.70	21.73	21.66	
10	QPSK	50	0	21.73	21.74	21.63	23
10	16QAM	1	0	22.00	21.91	21.74	
10	16QAM	1	25	21.88	21.97	21.92	
10	16QAM	1	49	21.98	21.75	22.02	22
10	16QAM	25	0	20.81	20.76	20.80	
10	16QAM	25	12	20.90	20.75	20.74	
10	16QAM	25	25	20.77	20.80	20.82	23
10	16QAM	50	0	20.75	20.77	20.73	
10	64QAM	1	0	21.75	21.89	21.84	
10	64QAM	1	25	21.78	21.82	21.72	22
10	64QAM	1	49	21.88	21.76	21.58	
10	64QAM	25	0	20.83	20.72	20.72	
10	64QAM	25	12	20.66	20.67	20.74	19
10	64QAM	25	25	20.79	20.72	20.77	
10	64QAM	50	0	20.71	20.74	20.73	
10	256QAM	1	0	17.65	17.66	17.62	19
10	256QAM	1	25	17.57	17.62	17.52	
10	256QAM	1	49	17.67	17.56	17.38	
10	256QAM	25	0	17.52	17.42	17.42	19
10	256QAM	25	12	17.35	17.37	17.44	
10	256QAM	25	25	17.48	17.42	17.47	
10	256QAM	50	0	17.40	17.44	17.43	24
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.71	22.74	22.67	24
5	QPSK	1	12	22.63	22.65	22.58	
5	QPSK	1	24	22.55	22.62	22.59	
5	QPSK	12	0	21.69	21.74	21.70	23
5	QPSK	12	7	21.66	21.60	21.58	
5	QPSK	12	13	21.63	21.66	21.59	
5	QPSK	25	0	21.66	21.67	21.56	

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	24
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.81	22.86	22.82	23
20	QPSK	1	49	22.77	22.79	22.72	
20	QPSK	1	99	22.69	22.76	22.73	
20	QPSK	50	0	21.98	22.04	21.96	23
20	QPSK	50	24	21.94	21.88	21.86	
20	QPSK	50	50	21.91	21.94	21.87	
20	QPSK	100	0	21.94	21.95	21.84	23
20	16QAM	1	0	22.21	22.12	21.95	
20	16QAM	1	49	22.09	22.18	22.13	
20	16QAM	1	99	22.19	21.96	22.23	22
20	16QAM	50	0	20.90	20.85	20.89	
20	16QAM	50	24	21.11	20.96	20.95	
20	16QAM	50	50	20.98	21.01	21.03	23
20	16QAM	100	0	20.96	20.98	20.94	
20	64QAM	1	0	21.66	21.80	21.75	
20	64QAM	1	49	21.69	21.73	21.63	22
20	64QAM	1	99	21.79	21.67	21.49	
20	64QAM	50	0	21.04	20.93	20.93	
20	64QAM	50	24	20.87	20.88	20.95	19
20	64QAM	50	50	21.00	20.93	20.98	
20	64QAM	100	0	20.92	20.95	20.94	
20	256QAM	1	0	17.82	17.73	17.81	19
20	256QAM	1	49	17.66	17.79	17.73	
20	256QAM	1	99	17.69	17.56	17.61	
20	256QAM	50	0	17.63	17.43	17.45	19
20	256QAM	50	24	17.53	17.59	17.43	
20	256QAM	50	50	17.56	17.65	17.48	
20	256QAM	100	0	17.44	17.54	17.44	24
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)
15	QPSK	1	0	22.70	22.77	22.73	24
15	QPSK	1	37	22.75	22.77	22.70	
15	QPSK	1	74	22.70	22.74	22.71	
15	QPSK	36	0	21.96	22.02	21.94	23
15	QPSK	36	20	21.92	21.86	21.84	
15	QPSK	36	39	21.89	21.92	21.85	
15	QPSK	75	0	21.92	21.93	21.82	23
15	16QAM	1	0	22.19	22.10	21.93	
15	16QAM	1	37	22.07	22.16	22.11	
15	16QAM	1	74	22.17	21.94	22.21	22
15	16QAM	36	0	20.88	20.83	20.87	
15	16QAM	36	20	21.09	20.94	20.93	
15	16QAM	36	39	20.96	20.99	21.01	23
15	16QAM	75	0	20.94	20.96	20.92	
15	64QAM	1	0	21.64	21.78	21.73	
15	64QAM	1	37	21.67	21.71	21.61	22
15	64QAM	1	74	21.77	21.65	21.47	
15	64QAM	36	0	21.02	20.91	20.91	
15	64QAM	36	20	20.85	20.86	20.93	19
15	64QAM	36	39	20.98	20.91	20.96	
15	64QAM	75	0	20.90	20.93	20.92	
15	256QAM	1	0	17.85	17.85	17.65	19
15	256QAM	1	37	17.57	17.81	17.68	
15	256QAM	1	74	17.72	17.55	17.40	19
15	256QAM	36	0	17.56	17.45	17.50	
15	256QAM	36	20	17.41	17.50	17.57	
15	256QAM	36	39	17.49	17.51	17.61	19
15	256QAM	75	0	17.63	17.59	17.61	
Channel				20000	20175	20350	24
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.63	22.70	22.66	23
10	QPSK	1	25	22.68	22.70	22.63	
10	QPSK	1	49	22.63	22.67	22.64	
10	QPSK	25	0	21.89	21.95	21.87	23
10	QPSK	25	12	21.85	21.79	21.77	
10	QPSK	25	25	21.82	21.85	21.78	
10	QPSK	50	0	21.85	21.86	21.75	23
10	16QAM	1	0	22.12	22.03	21.86	
10	16QAM	1	25	22.00	22.09	22.04	
10	16QAM	1	49	22.10	21.87	22.14	22
10	16QAM	25	0	20.81	20.76	20.80	
10	16QAM	25	12	21.02	20.87	20.86	
10	16QAM	25	25	20.89	20.92	20.94	23
10	16QAM	50	0	20.87	20.89	20.85	
10	64QAM	1	0	21.57	21.71	21.66	
10	64QAM	1	25	21.60	21.64	21.54	22
10	64QAM	1	49	21.70	21.58	21.40	
10	64QAM	25	0	20.95	20.84	20.84	
10	64QAM	25	12	20.78	20.79	20.86	19
10	64QAM	25	25	20.91	20.84	20.89	
10	64QAM	50	0	20.83	20.86	20.85	
10	256QAM	1	0	17.85	17.72	17.68	19
10	256QAM	1	25	17.77	17.73	17.69	
10	256QAM	1	49	17.78	17.68	17.42	
10	256QAM	25	0	17.70	17.52	17.44	19
10	256QAM	25	12	17.40	17.47	17.59	
10	256QAM	25	25	17.67	17.58	17.66	
10	256QAM	50	0	17.61	17.51	17.47	24
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit (dBm)
5	QPSK	1	0	22.66	22.73	22.69	23
5	QPSK	1	12	22.71	22.73	22.66	
5	QPSK	1	24	22.66	22.70	22.67	
5	QPSK	12	0	21.92	21.98	21.90	23
5	QPSK	12	7	21.88	21.82	21.80	
5	QPSK	12	13	21.85	21.88	21.81	
5	QPSK	25	0	21.88	21.89	21.78	

5	16QAM	1	0	21.93	21.84	21.67	23
5	16QAM	1	12	21.81	21.90	21.85	
5	16QAM	1	24	21.91	21.68	21.95	
5	16QAM	12	0	20.74	20.89	20.73	22
5	16QAM	12	7	20.83	20.68	20.67	
5	16QAM	12	13	20.70	20.73	20.75	
5	16QAM	25	0	20.68	20.70	20.66	23
5	64QAM	1	0	21.68	21.82	21.77	
5	64QAM	1	12	21.71	21.75	21.65	
5	64QAM	1	24	21.81	21.69	21.51	22
5	64QAM	12	0	20.76	20.65	20.65	
5	64QAM	12	7	20.59	20.60	20.67	
5	64QAM	12	13	20.72	20.65	20.70	19
5	64QAM	25	0	20.64	20.67	20.66	
5	256QAM	1	0	17.68	17.83	17.76	
5	256QAM	1	12	17.73	17.72	17.52	19
5	256QAM	1	24	17.78	17.73	17.38	
5	256QAM	12	0	17.76	17.51	17.65	
5	256QAM	12	7	17.47	17.50	17.66	19
5	256QAM	12	13	17.63	17.47	17.52	
5	256QAM	25	0	17.49	17.44	17.44	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.09	22.12	22.05	24
3	QPSK	1	8	22.01	22.03	21.96	
3	QPSK	1	14	21.93	22.00	21.97	
3	QPSK	8	0	21.07	21.12	21.08	23
3	QPSK	8	4	21.04	20.98	20.96	
3	QPSK	8	7	21.01	21.04	20.97	
3	QPSK	15	0	21.04	21.05	20.94	23
3	16QAM	1	0	21.31	21.22	21.05	
3	16QAM	1	8	21.19	21.28	21.23	
3	16QAM	1	14	21.29	21.06	21.33	22
3	16QAM	8	0	20.12	20.07	20.11	
3	16QAM	8	4	20.21	20.06	20.05	
3	16QAM	8	7	20.08	20.11	20.13	23
3	16QAM	15	0	20.06	20.08	20.04	
3	64QAM	1	0	21.61	21.75	21.70	
3	64QAM	1	8	21.64	21.68	21.58	22
3	64QAM	1	14	21.74	21.62	21.44	
3	64QAM	8	0	20.69	20.68	20.58	
3	64QAM	8	4	20.52	20.53	20.60	19
3	64QAM	8	7	20.65	20.58	20.63	
3	64QAM	15	0	20.57	20.60	20.59	
3	256QAM	1	0	17.86	17.70	17.68	19
3	256QAM	1	8	17.70	17.68	17.68	
3	256QAM	1	14	17.79	17.69	17.55	
3	256QAM	8	0	17.62	17.59	17.56	19
3	256QAM	8	4	17.48	17.60	17.56	
3	256QAM	8	7	17.70	17.48	17.57	
3	256QAM	15	0	17.60	17.47	17.58	Tune-up limit (dBm)
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	24
1.4	QPSK	1	0	22.72	22.75	22.68	
1.4	QPSK	1	3	22.64	22.66	22.59	
1.4	QPSK	1	5	22.56	22.63	22.60	23
1.4	QPSK	3	0	21.70	21.75	21.71	
1.4	QPSK	3	1	21.67	21.61	21.59	
1.4	QPSK	3	3	21.64	21.67	21.60	22
1.4	QPSK	6	0	21.67	21.68	21.57	
1.4	16QAM	1	0	21.94	21.85	21.68	
1.4	16QAM	1	3	21.82	21.91	21.86	23
1.4	16QAM	1	5	21.92	21.69	21.96	
1.4	16QAM	3	0	20.75	20.70	20.74	
1.4	16QAM	3	1	20.84	20.69	20.68	22
1.4	16QAM	3	3	20.71	20.74	20.76	
1.4	16QAM	6	0	20.64	20.66	20.62	
1.4	64QAM	1	0	21.64	21.78	21.73	23
1.4	64QAM	1	3	21.67	21.71	21.61	
1.4	64QAM	1	5	21.77	21.65	21.47	
1.4	64QAM	3	0	21.62	21.51	21.51	22
1.4	64QAM	3	1	21.45	21.46	21.53	
1.4	64QAM	3	3	21.58	21.51	21.56	
1.4	64QAM	6	0	20.85	20.88	20.87	19
1.4	256QAM	1	0	17.64	17.80	17.64	
1.4	256QAM	1	3	17.57	17.66	17.69	
1.4	256QAM	1	5	17.74	17.64	17.39	19
1.4	256QAM	3	0	17.72	17.65	17.58	
1.4	256QAM	3	1	17.59	17.47	17.44	
1.4	256QAM	3	3	17.47	17.53	17.47	19
1.4	256QAM	6	0	17.43	17.43	17.56	

5	16QAM	1	0	22.15	22.06	21.89	23
5	16QAM	1	12	22.03	22.12	22.07	
5	16QAM	1	24	22.13	21.90	22.17	
5	16QAM	12	0	20.84	20.79	20.83	22
5	16QAM	12	7	21.05	20.90	20.89	
5	16QAM	12	13	20.92	20.95	20.97	
5	16QAM	25	0	20.90	20.92	20.88	23
5	64QAM	1	0	21.60	21.74	21.69	
5	64QAM	1	12	21.63	21.67	21.57	
5	64QAM	1	24	21.73	21.61	21.43	22
5	64QAM	12	0	20.98	20.87	20.87	
5	64QAM	12	7	20.81	20.82	20.89	
5	64QAM	12	13	20.94	20.87	20.92	19
5	64QAM	25	0	20.86	20.89	20.88	
5	256QAM	1	0	17.87	17.78	17.79	
5	256QAM	1	12	17.73	17.66	17.65	19
5	256QAM	1	24	17.71	17.68	17.57	
5	256QAM	12	0	17.82	17.52	17.61	
5	256QAM	12	7	17.38	17.44	17.50	19
5	256QAM	12	13	17.66	17.59	17.69	
5	256QAM	25	0	17.40	17.49	17.43	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.59	22.66	22.62	24
3	QPSK	1	8	22.64	22.66	22.59	
3	QPSK	1	14	22.59	22.63	22.60	
3	QPSK	8	0	21.85	21.91	21.83	23
3	QPSK	8	4	21.81	21.75	21.73	
3	QPSK	8	7	21.78	21.81	21.74	
3	QPSK	15	0	21.81	21.82	21.71	23
3	16QAM	1	0	22.08	21.99	21.82	
3	16QAM	1	8	21.96	22.05	22.00	
3	16QAM	1	14	22.06	21.83	22.10	22
3	16QAM	8	0	20.77	20.72	20.76	
3	16QAM	8	4	20.98	20.83	20.82	
3	16QAM	8	7	20.85	20.88	20.90	23
3	16QAM	15	0	20.83	20.85	20.81	
3	64QAM	1	0	21.53	21.67	21.62	
3	64QAM	1	8	21.56	21.60	21.50	22
3	64QAM	1	14	21.66	21.54	21.36	
3	64QAM	8	0	20.91	20.80	20.80	
3	64QAM	8	4	20.74	20.75	20.82	19
3	64QAM	8	7	20.87	20.80	20.85	
3	64QAM	15	0	20.79	20.82	20.81	
3	256QAM	1	0	17.69	17.67	17.61	19
3	256QAM	1	8	17.66	17.73	17.52	
3	256QAM	1	14	17.66	17.72	17.44	
3	256QAM	8	0	17.75	17.50	17.54	19
3	256QAM	8	4	17.59	17.53	17.47	
3	256QAM	8	7	17.60	17.59	17.47	
3	256QAM	15	0	17.44	17.52	17.52	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	24
1.4	QPSK	1	0	22.52	22.59	22.55	
1.4	QPSK	1	3	22.57	22.59	22.52	
1.4	QPSK	1	5	22.52	22.56	22.53	23
1.4	QPSK	3	0	21.78	21.84	21.76	
1.4	QPSK	3	1	21.74	21.68	21.66	
1.4	QPSK	3	3	21.71	21.74	21.67	22
1.4	QPSK	6	0	21.74	21.75	21.64	
1.4	16QAM	1	0	22.01	21.92	21.75	
1.4	16QAM	1	3	21.89	21.98	21.93	23
1.4	16QAM	1	5	21.99	21.76	22.03	
1.4	16QAM	3	0	20.70	20.65	20.69	
1.4	16QAM	3	1	20.91	20.76	20.75	22
1.4	16QAM	3	3	20.78	20.81	20.83	
1.4	16QAM	6	0	20.76	20.78	20.74	
1.4	64QAM	1	0	21.46	21.60	21.55	23
1.4	64QAM	1	3	21.49	21.53	21.43	
1.4	64QAM	1	5	21.59	21.47	21.29	
1.4	64QAM	3	0	21.44	21.33	21.33	22
1.4	64QAM	3	1	21.27	21.28	21.35	
1.4	64QAM	3	3	21.40	21.33	21.38	
1.4	64QAM	6	0	21.32	21.35	21.34	19
1.4	256QAM	1	0	17.88	17.82	17.65	
1.4	256QAM	1	3	17.77	17.81	17.64	
1.4	256QAM	1	5	17.84	17.77	17.62	19
1.4	256QAM	3	0	17.54	17.64	17.66	
1.4	256QAM	3	1	17.49	17.49	17.62	
1.4	256QAM	3	3	17.52	17.56	17.61	19
1.4	256QAM	6	0	17.59	17.64	17.47	

Band 5 (Celluar Band) (dBm) Part 22H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	24
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.20	23.28	23.22	24
10	QPSK	1	25	23.22	23.25	23.14	
10	QPSK	1	49	23.14	23.21	22.96	
10	QPSK	25	0	22.31	22.35	22.33	
10	QPSK	25	12	22.24	22.21	22.16	23
10	QPSK	25	25	22.16	22.12	22.15	
10	QPSK	50	0	22.05	22.07	22.04	
10	16QAM	1	0	22.14	22.04	22.00	
10	16QAM	1	25	22.13	22.31	22.17	23
10	16QAM	1	49	22.10	22.11	22.03	
10	16QAM	25	0	21.09	21.00	20.97	
10	16QAM	25	12	21.01	20.97	20.94	
10	16QAM	25	25	21.09	21.05	21.00	22
10	16QAM	50	0	21.13	20.99	20.96	
10	64QAM	1	0	21.75	21.82	21.71	
10	64QAM	1	25	21.62	21.60	21.66	
10	64QAM	1	49	21.77	21.57	21.73	23
10	64QAM	25	0	21.12	21.05	21.00	
10	64QAM	25	12	21.20	21.00	21.05	
10	64QAM	25	25	21.04	21.05	21.00	
10	64QAM	50	0	21.05	21.02	21.04	22
10	256QAM	1	0	17.81	17.65	17.80	
10	256QAM	1	25	17.79	17.65	17.59	
10	256QAM	1	49	17.69	17.67	17.42	
10	256QAM	25	0	17.58	17.47	17.45	19
10	256QAM	25	12	17.59	17.42	17.45	
10	256QAM	25	25	17.63	17.63	17.48	
10	256QAM	50	0	17.45	17.56	17.53	
Channel				20425	20525	20625	24
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.17	23.19	23.14	24
5	QPSK	1	12	23.10	23.13	23.02	
5	QPSK	1	24	23.02	23.09	22.84	
5	QPSK	12	0	22.19	22.23	22.21	
5	QPSK	12	7	22.12	22.09	22.04	23
5	QPSK	12	13	22.04	22.00	22.03	
5	QPSK	25	0	21.93	21.95	21.92	
5	16QAM	1	0	22.02	21.92	21.88	
5	16QAM	1	12	22.01	22.19	22.05	23
5	16QAM	1	24	21.98	21.99	21.91	
5	16QAM	12	0	20.97	20.88	20.85	
5	16QAM	12	7	20.89	20.85	20.82	
5	16QAM	12	13	20.97	20.93	20.88	22
5	16QAM	25	0	21.01	20.87	20.84	
5	64QAM	1	0	21.63	21.70	21.59	
5	64QAM	1	12	21.50	21.48	21.54	
5	64QAM	1	24	21.65	21.45	21.61	23
5	64QAM	12	0	21.00	20.93	20.88	
5	64QAM	12	7	21.08	20.88	20.93	
5	64QAM	12	13	20.92	20.93	20.88	
5	64QAM	25	0	20.93	20.90	20.92	22
5	256QAM	1	0	17.83	17.80	17.76	
5	256QAM	1	12	17.65	17.67	17.62	
5	256QAM	1	24	17.83	17.76	17.39	
5	256QAM	12	0	17.76	17.47	17.50	19
5	256QAM	12	7	17.35	17.50	17.67	
5	256QAM	12	13	17.63	17.56	17.52	
5	256QAM	25	0	17.49	17.50	17.50	
Channel				20415	20525	20635	24
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.12	23.14	23.09	24
3	QPSK	1	8	23.05	23.08	22.97	
3	QPSK	1	14	22.97	23.04	22.79	
3	QPSK	8	0	22.14	22.18	22.16	
3	QPSK	8	4	22.07	22.04	21.99	23
3	QPSK	8	7	21.99	21.95	21.98	
3	QPSK	15	0	21.88	21.90	21.87	
3	16QAM	1	0	21.97	21.87	21.83	
3	16QAM	1	8	21.96	22.14	22.00	23
3	16QAM	1	14	21.93	21.94	21.86	
3	16QAM	8	0	20.92	20.83	20.80	
3	16QAM	8	4	20.84	20.80	20.77	
3	16QAM	8	7	20.92	20.88	20.83	22
3	16QAM	15	0	20.96	20.82	20.79	
3	64QAM	1	0	21.58	21.65	21.54	
3	64QAM	1	8	21.45	21.43	21.49	
3	64QAM	1	14	21.60	21.40	21.56	23
3	64QAM	8	0	20.95	20.88	20.83	
3	64QAM	8	4	21.03	20.83	20.88	
3	64QAM	8	7	20.87	20.88	20.83	
3	64QAM	15	0	20.88	20.85	20.87	22
3	256QAM	1	0	17.77	17.75	17.84	
3	256QAM	1	8	17.64	17.70	17.69	
3	256QAM	1	14	17.79	17.80	17.37	
3	256QAM	8	0	17.59	17.50	17.62	19
3	256QAM	8	4	17.50	17.51	17.53	
3	256QAM	8	7	17.63	17.57	17.51	
3	256QAM	15	0	17.46	17.52	17.66	
Channel				20407	20525	20643	24
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.10	23.12	23.07	24
1.4	QPSK	1	3	23.03	23.06	22.95	
1.4	QPSK	1	5	22.95	23.02	22.77	
1.4	QPSK	3	0	22.12	22.16	22.14	
1.4	QPSK	3	1	22.05	22.02	21.97	23
1.4	QPSK	3	3	21.97	21.93	21.96	
1.4	QPSK	6	0	21.86	21.88	21.85	

Band 7 (2600MHz Band) (dBm)							
Part 27							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	24
20	QPSK	1	0	22.95	22.96	22.89	
20	QPSK	1	49	22.75	22.82	22.87	
20	QPSK	1	99	22.86	22.87	22.88	
20	QPSK	50	0	21.82	21.90	21.85	
20	QPSK	50	24	21.75	21.80	21.79	23
20	QPSK	50	50	21.78	21.77	21.79	
20	QPSK	100	0	21.73	21.75	21.70	
20	16QAM	1	0	22.19	22.13	22.18	23
20	16QAM	1	49	22.26	22.25	22.17	
20	16QAM	1	99	22.27	22.32	22.28	
20	16QAM	50	0	20.87	20.82	20.88	
20	16QAM	50	24	20.71	20.76	20.68	
20	16QAM	50	50	20.70	20.81	20.66	22
20	16QAM	100	0	20.69	20.74	20.79	
20	64QAM	1	0	21.77	21.81	21.85	
20	64QAM	1	49	21.81	21.87	21.62	23
20	64QAM	1	99	21.76	21.63	21.53	
20	64QAM	50	0	20.88	20.92	20.96	
20	64QAM	50	24	20.88	20.91	20.80	22
20	64QAM	50	50	20.85	21.00	20.94	
20	64QAM	100	0	20.93	20.92	20.82	
20	256QAM	1	0	17.86	17.82	17.74	19
20	256QAM	1	49	17.72	17.62	17.62	
20	256QAM	1	99	17.81	17.57	17.57	
20	256QAM	50	0	17.62	17.62	17.42	19
20	256QAM	50	24	17.45	17.48	17.56	
20	256QAM	50	50	17.63	17.61	17.67	
20	256QAM	100	0	17.57	17.44	17.67	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.79	22.89	22.92	24
15	QPSK	1	37	22.62	22.84	22.87	
15	QPSK	1	74	22.80	22.84	22.84	
15	QPSK	36	0	21.79	21.84	21.88	23
15	QPSK	36	20	21.84	21.90	21.64	
15	QPSK	36	39	21.82	21.82	21.81	
15	QPSK	75	0	21.64	21.62	21.60	23
15	16QAM	1	0	22.25	22.07	22.05	
15	16QAM	1	37	22.30	22.29	22.19	
15	16QAM	1	74	22.23	22.17	22.16	22
15	16QAM	36	0	20.72	20.87	20.75	
15	16QAM	36	20	20.57	20.61	20.76	
15	16QAM	36	39	20.79	20.80	20.57	23
15	16QAM	75	0	20.65	20.82	20.89	
15	64QAM	1	0	21.82	21.86	21.86	
15	64QAM	1	37	21.91	21.87	21.49	22
15	64QAM	1	74	21.71	21.58	21.50	
15	64QAM	36	0	20.80	20.77	20.95	
15	64QAM	36	20	20.80	20.82	20.78	19
15	64QAM	36	39	20.76	20.99	21.02	
15	64QAM	75	0	20.92	20.79	20.80	
15	256QAM	1	0	17.68	17.88	17.76	19
15	256QAM	1	37	17.56	17.79	17.61	
15	256QAM	1	74	17.69	17.78	17.43	
15	256QAM	36	0	17.52	17.57	17.65	19
15	256QAM	36	20	17.51	17.52	17.47	
15	256QAM	36	39	17.52	17.53	17.62	
15	256QAM	75	0	17.56	17.47	17.52	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2585	
10	QPSK	1	0	22.84	22.92	22.87	24
10	QPSK	1	25	22.71	22.83	22.80	
10	QPSK	1	49	22.90	22.84	22.85	
10	QPSK	25	0	21.70	21.85	21.82	23
10	QPSK	25	12	21.63	21.77	21.77	
10	QPSK	25	25	21.76	21.64	21.74	
10	QPSK	50	0	21.64	21.70	21.62	23
10	16QAM	1	0	22.06	22.16	22.27	
10	16QAM	1	25	22.19	22.32	22.13	
10	16QAM	1	49	22.21	22.39	22.21	22
10	16QAM	25	0	20.84	20.92	20.82	
10	16QAM	25	12	20.75	20.61	20.66	
10	16QAM	25	25	20.69	20.90	20.60	23
10	16QAM	50	0	20.64	20.83	20.87	
10	64QAM	1	0	21.72	21.91	21.73	
10	64QAM	1	25	21.68	21.96	21.53	22
10	64QAM	1	49	21.77	21.51	21.62	
10	64QAM	25	0	20.89	20.80	20.92	
10	64QAM	25	12	20.86	20.92	20.72	19
10	64QAM	25	25	20.78	20.93	20.89	
10	64QAM	50	0	21.01	20.82	20.85	
10	256QAM	1	0	17.70	17.69	17.63	19
10	256QAM	1	25	17.57	17.66	17.70	
10	256QAM	1	49	17.68	17.80	17.48	
10	256QAM	25	0	17.63	17.64	17.41	19
10	256QAM	25	12	17.55	17.46	17.80	
10	256QAM	25	25	17.51	17.57	17.86	
10	256QAM	50	0	17.44	17.47	17.51	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.81	22.87	22.82	24
5	QPSK	1	12	22.73	22.74	22.81	
5	QPSK	1	24	22.76	22.88	22.73	
5	QPSK	12	0	21.91	21.83	21.88	23
5	QPSK	12	7	21.70	21.86	21.65	
5	QPSK	12	13	21.63	21.66	21.77	
5	QPSK	25	0	21.80	21.81	21.60	



1.4	16QAM	1	0	21.95	21.85	21.81	23
1.4	16QAM	1	3	21.94	22.12	21.98	
1.4	16QAM	1	5	21.91	21.92	21.84	
1.4	16QAM	3	0	20.90	20.81	20.78	
1.4	16QAM	3	1	20.82	20.78	20.75	
1.4	16QAM	3	3	20.90	20.86	20.81	
1.4	16QAM	6	0	20.94	20.80	20.77	22
1.4	64QAM	1	0	21.56	21.63	21.52	23
1.4	64QAM	1	3	21.43	21.41	21.47	
1.4	64QAM	1	5	21.58	21.38	21.54	
1.4	64QAM	3	0	21.53	21.46	21.41	
1.4	64QAM	3	1	21.61	21.41	21.46	
1.4	64QAM	3	3	21.45	21.46	21.41	
1.4	64QAM	6	0	20.86	20.83	20.85	22
1.4	256QAM	1	0	17.72	17.68	17.69	19
1.4	256QAM	1	3	17.72	17.62	17.69	
1.4	256QAM	1	5	17.85	17.75	17.49	
1.4	256QAM	3	0	17.76	17.66	17.49	
1.4	256QAM	3	1	17.44	17.44	17.62	
1.4	256QAM	3	3	17.51	17.54	17.58	
1.4	256QAM	6	0	17.44	17.62	17.46	19

5	16QAM	1	0	22.27	22.22	22.22	23
5	16QAM	1	12	22.34	22.30	22.27	
5	16QAM	1	24	22.31	22.27	22.15	
5	16QAM	12	0	20.57	20.76	20.73	22
5	16QAM	12	7	20.62	20.64	20.63	
5	16QAM	12	13	20.59	20.77	20.56	
5	16QAM	25	0	20.70	20.84	20.85	
5	64QAM	1	0	21.76	21.73	21.87	23
5	64QAM	1	12	21.89	21.91	21.52	
5	64QAM	1	24	21.76	21.70	21.61	
5	64QAM	12	0	20.94	20.96	20.82	22
5	64QAM	12	7	20.85	21.01	20.75	
5	64QAM	12	13	20.78	20.85	20.87	
5	64QAM	25	0	20.92	20.98	20.70	
5	256QAM	1	0	17.72	17.81	17.71	19
5	256QAM	1	12	17.67	17.74	17.72	
5	256QAM	1	24	17.72	17.64	17.40	
5	256QAM	12	0	17.61	17.66	17.43	19
5	256QAM	12	7	17.37	17.54	17.51	
5	256QAM	12	13	17.66	17.48	17.50	
5	256QAM	25	0	17.56	17.62	17.65	

Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.24	23.28	23.20	24
10	QPSK	1	25	23.19	23.22	23.23	
10	QPSK	1	49	23.09	23.24	23.26	
10	QPSK	25	0	22.15	22.21	22.17	23
10	QPSK	25	12	22.04	21.95	22.02	
10	QPSK	25	25	22.04	21.99	21.96	
10	QPSK	50	0	21.98	21.97	22.03	23
10	16QAM	1	0	22.22	22.19	22.06	
10	16QAM	1	25	21.97	22.04	22.04	
10	16QAM	1	49	22.02	21.97	22.08	22
10	16QAM	25	0	21.00	21.02	21.13	
10	16QAM	25	12	20.98	21.03	21.00	
10	16QAM	25	25	21.10	21.07	21.09	23
10	16QAM	50	0	21.14	21.08	21.05	
10	64QAM	1	0	22.14	22.09	21.99	
10	64QAM	1	25	22.20	22.15	22.13	22
10	64QAM	1	49	22.26	22.28	22.22	
10	64QAM	25	0	20.98	21.18	21.02	
10	64QAM	25	12	21.05	21.11	21.13	19
10	64QAM	25	25	21.00	21.07	21.01	
10	64QAM	50	0	21.04	21.02	21.05	
10	256QAM	1	0	17.78	17.81	17.62	19
10	256QAM	1	25	17.61	17.77	17.74	
10	256QAM	1	49	17.86	17.56	17.51	
10	256QAM	25	0	17.61	17.41	17.58	19
10	256QAM	25	12	17.46	17.57	17.54	
10	256QAM	25	25	17.54	17.47	17.63	
10	256QAM	50	0	17.64	17.66	17.50	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.21	23.25	23.20	24
5	QPSK	1	12	23.16	23.10	23.19	
5	QPSK	1	24	23.07	23.22	23.12	
5	QPSK	12	0	22.05	22.24	22.22	23
5	QPSK	12	7	22.00	21.91	21.98	
5	QPSK	12	13	22.13	22.06	21.96	
5	QPSK	25	0	21.86	21.90	22.07	23
5	16QAM	1	0	22.08	22.08	22.04	
5	16QAM	1	12	22.04	22.06	22.01	
5	16QAM	1	24	22.00	21.88	22.05	22
5	16QAM	12	0	21.05	21.09	21.20	
5	16QAM	12	7	20.83	21.03	20.87	
5	16QAM	12	13	21.06	21.09	21.12	23
5	16QAM	25	0	21.21	21.07	20.91	
5	64QAM	1	0	22.06	21.98	22.05	
5	64QAM	1	12	22.20	22.16	22.00	22
5	64QAM	1	24	22.34	22.28	22.24	
5	64QAM	12	0	21.00	21.10	21.08	
5	64QAM	12	7	21.14	21.10	21.13	19
5	64QAM	12	13	21.06	21.02	20.86	
5	64QAM	25	0	21.08	20.92	20.91	
5	256QAM	1	0	17.75	17.74	17.69	19
5	256QAM	1	12	17.78	17.86	17.58	
5	256QAM	1	24	17.85	17.69	17.38	
5	256QAM	12	0	17.69	17.43	17.49	19
5	256QAM	12	7	17.42	17.45	17.66	
5	256QAM	12	13	17.54	17.52	17.64	
5	256QAM	25	0	17.55	17.50	17.50	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.20	23.24	23.22	24
3	QPSK	1	8	23.19	23.18	23.10	
3	QPSK	1	14	23.15	23.19	23.11	
3	QPSK	8	0	22.02	22.26	22.22	23
3	QPSK	8	4	22.13	21.92	21.93	
3	QPSK	8	7	22.02	21.86	21.93	
3	QPSK	15	0	21.88	22.02	21.95	23
3	16QAM	1	0	22.09	22.06	22.14	
3	16QAM	1	8	21.96	21.95	21.95	
3	16QAM	1	14	21.99	21.97	21.95	22
3	16QAM	8	0	20.86	20.87	21.06	
3	16QAM	8	4	20.93	20.91	20.95	
3	16QAM	8	7	21.03	21.03	21.09	23
3	16QAM	15	0	21.24	21.17	20.95	
3	64QAM	1	0	22.08	21.95	22.02	
3	64QAM	1	8	22.17	22.08	22.05	22
3	64QAM	1	14	22.14	22.37	22.07	
3	64QAM	8	0	21.03	21.24	20.94	
3	64QAM	8	4	20.90	21.00	21.18	19
3	64QAM	8	7	20.86	21.09	20.89	
3	64QAM	15	0	21.05	21.02	21.02	
3	256QAM	1	0	17.79	17.87	17.80	19
3	256QAM	1	8	17.81	17.70	17.60	
3	256QAM	1	14	17.77	17.70	17.62	
3	256QAM	8	0	17.61	17.49	17.62	19
3	256QAM	8	4	17.57	17.39	17.58	
3	256QAM	8	7	17.69	17.56	17.71	
3	256QAM	15	0	17.45	17.58	17.42	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.18	23.19	23.15	24
1.4	QPSK	1	3	23.16	23.13	23.10	
1.4	QPSK	1	5	23.09	23.17	23.17	
1.4	QPSK	3	0	22.13	22.16	22.10	
1.4	QPSK	3	1	22.04	21.89	22.04	
1.4	QPSK	3	3	21.96	21.85	22.01	23
1.4	QPSK	6	0	21.84	21.87	21.94	

Band 13(700MHz Band) (dBm) Part 27F							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.20		24
10	QPSK	1	25		23.15		
10	QPSK	1	49		23.08		
10	QPSK	25	0		22.05		23
10	QPSK	25	12		21.97		
10	QPSK	25	25		21.98		
10	QPSK	50	0		21.99		23
10	16QAM	1	0		22.14		
10	16QAM	1	25		22.11		
10	16QAM	1	49		22.22		22
10	16QAM	25	0		21.08		
10	16QAM	25	12		21.08		
10	16QAM	25	25		21.00		23
10	16QAM	50	0		21.04		
10	64QAM	1	0		22.06		
10	64QAM	1	25		22.15		22
10	64QAM	1	49		22.09		
10	64QAM	25	0		21.06		
10	64QAM	25	12		21.03		19
10	64QAM	25	25		21.07		
10	64QAM	50	0		20.98		
10	256QAM	1	0		17.70		19
10	256QAM	1	25		17.62		
10	256QAM	1	49		17.77		
10	256QAM	25	0		17.63		19
10	256QAM	25	12		17.54		
10	256QAM	25	25		17.62		
10	256QAM	50	0		17.58		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.09	23.16	23.14	24
5	QPSK	1	12	22.95	23.10	23.12	
5	QPSK	1	24	22.87	23.04	23.10	
5	QPSK	12	0	21.93	21.97	22.02	23
5	QPSK	12	7	21.85	21.86	21.92	
5	QPSK	12	13	21.98	21.93	21.87	
5	QPSK	25	0	21.88	21.87	21.96	23
5	16QAM	1	0	22.12	22.10	21.85	
5	16QAM	1	12	21.81	21.91	21.83	
5	16QAM	1	24	21.96	21.83	21.86	22
5	16QAM	12	0	20.77	20.81	21.08	
5	16QAM	12	7	20.91	20.81	20.77	
5	16QAM	12	13	20.90	20.85	20.89	23
5	16QAM	25	0	20.95	20.89	20.83	
5	64QAM	1	0	21.90	21.99	21.83	
5	64QAM	1	12	22.02	21.99	21.99	23
5	64QAM	1	24	22.23	22.13	22.21	
5	64QAM	12	0	20.73	21.05	21.02	
5	64QAM	12	7	20.90	20.98	21.09	22
5	64QAM	12	13	20.83	20.87	20.83	
5	64QAM	25	0	20.86	20.91	20.80	
5	256QAM	1	0	17.68	17.90	17.78	19
5	256QAM	1	12	17.78	17.77	17.66	
5	256QAM	1	24	17.89	17.71	17.60	
5	256QAM	12	0	17.56	17.48	17.50	19
5	256QAM	12	7	17.55	17.60	17.49	
5	256QAM	12	13	17.67	17.54	17.71	
5	256QAM	25	0	17.60	17.60	17.47	



1.4	16QAM	1	0	22.19	22.19	21.93	23
1.4	16QAM	1	3	21.84	22.14	21.92	
1.4	16QAM	1	5	21.98	21.90	21.93	
1.4	16QAM	3	0	21.00	21.09	21.03	
1.4	16QAM	3	1	21.00	20.93	20.90	
1.4	16QAM	3	3	20.97	20.92	21.19	
1.4	16QAM	6	0	21.07	21.13	20.96	22
1.4	64QAM	1	0	22.12	21.98	22.04	23
1.4	64QAM	1	3	22.27	22.02	21.99	
1.4	64QAM	1	5	22.33	22.28	22.10	
1.4	64QAM	3	0	21.04	21.18	20.95	
1.4	64QAM	3	1	21.01	21.11	21.19	
1.4	64QAM	3	3	21.01	21.12	20.90	
1.4	64QAM	6	0	21.06	20.90	21.13	22
1.4	256QAM	1	0	17.69	17.76	17.86	19
1.4	256QAM	1	3	17.74	17.77	17.71	
1.4	256QAM	1	5	17.71	17.71	17.61	
1.4	256QAM	3	0	17.53	17.65	17.49	
1.4	256QAM	3	1	17.57	17.42	17.58	
1.4	256QAM	3	3	17.47	17.48	17.59	
1.4	256QAM	6	0	17.53	17.61	17.67	19

Band 14 (700MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		23.13		24
10	QPSK	1	25		23.10		
10	QPSK	1	49		23.08		
10	QPSK	25	0		22.04		23
10	QPSK	25	12		22.00		
10	QPSK	25	25		22.01		
10	QPSK	50	0		22.03		23
10	16QAM	1	0		22.17		
10	16QAM	1	25		22.14		
10	16QAM	1	49		22.06		22
10	16QAM	25	0		21.11		
10	16QAM	25	12		21.10		
10	16QAM	25	25		21.03		23
10	16QAM	50	0		21.07		
10	64QAM	1	0		22.09		
10	64QAM	1	25		22.18		22
10	64QAM	1	49		22.12		
10	64QAM	25	0		21.09		
10	64QAM	25	12		21.06		19
10	64QAM	25	25		21.10		
10	64QAM	50	0		21.01		
10	256QAM	1	0		17.79		19
10	256QAM	1	25		17.65		
10	256QAM	1	49		17.55		
10	256QAM	25	0		17.52		19
10	256QAM	25	12		17.49		
10	256QAM	25	25		17.46		
10	256QAM	50	0		17.68		24
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	23.06	23.10	23.09	24
5	QPSK	1	12	23.05	22.97	23.00	
5	QPSK	1	24	22.92	23.07	22.89	
5	QPSK	12	0	22.09	22.21	21.93	23
5	QPSK	12	7	21.93	21.88	22.01	
5	QPSK	12	13	21.88	21.88	21.81	
5	QPSK	25	0	21.91	21.87	21.91	23
5	16QAM	1	0	22.03	22.15	21.84	
5	16QAM	1	12	21.96	22.03	21.99	
5	16QAM	1	24	22.00	21.96	22.02	22
5	16QAM	12	0	20.83	20.90	21.11	
5	16QAM	12	7	20.93	20.94	20.90	
5	16QAM	12	13	20.92	20.91	20.86	23
5	16QAM	25	0	21.03	21.08	20.96	
5	64QAM	1	0	22.07	22.03	21.79	
5	64QAM	1	12	22.17	22.11	22.00	23
5	64QAM	1	24	22.18	22.21	21.97	
5	64QAM	12	0	20.95	21.06	20.87	
5	64QAM	12	7	21.05	21.03	21.03	22
5	64QAM	12	13	20.77	20.83	20.82	
5	64QAM	25	0	20.81	21.01	20.98	
5	256QAM	1	0	17.72	17.65	17.65	19
5	256QAM	1	12	17.71	17.65	17.70	
5	256QAM	1	24	17.80	17.72	17.53	
5	256QAM	12	0	17.64	17.47	17.64	19
5	256QAM	12	7	17.46	17.53	17.53	
5	256QAM	12	13	17.72	17.64	17.67	
5	256QAM	25	0	17.52	17.44	17.55	

Band 25 (1900MHz Band) (dBm) Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26140	26365	26590	24
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	0		23.08	23.11	24
20	QPSK	1	49		23.00	23.06	
20	QPSK	1	99		22.85	22.92	
20	QPSK	50	0		21.88	22.10	23
20	QPSK	50	24		21.76	21.71	
20	QPSK	50	50		21.74	21.86	
20	QPSK	100	0		21.86	21.69	23
20	16QAM	1	0		22.06	22.08	
20	16QAM	1	49		21.84	21.84	
20	16QAM	1	99		21.90	21.75	22
20	16QAM	50	0		20.86	20.85	
20	16QAM	50	24		20.79	20.94	
20	16QAM	50	50		20.77	20.74	23
20	16QAM	100	0		20.85	20.80	
20	64QAM	1	0		21.91	22.12	
20	64QAM	1	49		22.02	21.99	22
20	64QAM	1	99		22.05	22.10	
20	64QAM	50	0		20.71	20.86	
20	64QAM	50	24		20.95	21.02	19
20	64QAM	50	50		20.87	20.78	
20	64QAM	100	0		20.74	20.85	
20	256QAM	1	0		17.72	17.87	19
20	256QAM	1	49		17.64	17.73	
20	256QAM	1	99		17.79	17.80	
20	256QAM	50	0		17.71	17.53	19
20	256QAM	50	24		17.55	17.46	
20	256QAM	50	50		17.51	17.58	
20	256QAM	100	0		17.64	17.48	24
Channel				26115	26365	26615	
Frequency (MHz)				1857.5	1882.5	1907.5	24
15	QPSK	1	0		23.04	23.08	
15	QPSK	1	37		22.94	23.05	23
15	QPSK	1	74		22.87	23.00	
15	QPSK	36	0		22.06	21.90	
15	QPSK	36	20		21.93	21.75	23
15	QPSK	36	39		21.84	21.82	
15	QPSK	75	0		21.70	21.83	
15	16QAM	1	0		22.12	22.07	23
15	16QAM	1	37		21.78	21.93	
15	16QAM	1	74		21.93	21.84	
15	16QAM	36	0		20.78	20.71	22
15	16QAM	36	20		20.68	20.80	
15	16QAM	36	39		20.84	20.91	
15	16QAM	75	0		20.96	20.81	23
15	64QAM	1	0		21.81	21.91	
15	64QAM	1	37		21.92	22.01	
15	64QAM	1	74		22.14	22.05	22
15	64QAM	36	0		20.68	21.06	
15	64QAM	36	20		20.86	20.97	
15	64QAM	36	39		20.67	20.79	19
15	64QAM	75	0		20.90	20.93	
15	256QAM	1	0		17.69	17.71	
15	256QAM	1	37		17.71	17.77	19
15	256QAM	1	74		17.89	17.70	
15	256QAM	36	0		17.53	17.41	
15	256QAM	36	20		17.45	17.55	19
15	256QAM	36	39		17.48	17.58	
15	256QAM	75	0		17.47	17.63	
Channel				26090	26365	26640	24
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	0		22.98	23.04	24
10	QPSK	1	25		22.89	22.99	
10	QPSK	1	49		22.90	22.96	
10	QPSK	25	0		22.02	22.06	23
10	QPSK	25	12		21.71	21.85	
10	QPSK	25	25		21.86	21.75	
10	QPSK	50	0		21.86	21.86	23
10	16QAM	1	0		22.07	22.02	
10	16QAM	1	25		21.79	21.75	
10	16QAM	1	49		21.90	21.85	22
10	16QAM	25	0		20.77	20.69	
10	16QAM	25	12		20.76	20.75	
10	16QAM	25	25		20.89	20.75	23
10	16QAM	50	0		20.82	20.81	
10	64QAM	1	0		21.98	21.96	
10	64QAM	1	25		21.88	22.05	19
10	64QAM	1	49		22.10	21.98	
10	64QAM	25	0		20.79	20.90	
10	64QAM	25	12		20.75	20.97	22
10	64QAM	25	25		20.77	20.75	
10	64QAM	50	0		20.86	20.82	
10	256QAM	1	0		17.68	17.86	19
10	256QAM	1	25		17.59	17.67	
10	256QAM	1	49		17.78	17.58	
10	256QAM	25	0		17.71	17.45	19
10	256QAM	25	12		17.36	17.49	
10	256QAM	25	25		17.68	17.55	
10	256QAM	50	0		17.58	17.51	24
Channel				26065	26365	26665	
Frequency (MHz)				1852.5	1882.5	1912.5	24
5	QPSK	1	0		23.00	23.05	
5	QPSK	1	12		22.98	23.02	23
5	QPSK	1	24		22.95	22.92	
5	QPSK	12	0		21.88	21.99	
5	QPSK	12	7		21.75	21.78	23
5	QPSK	12	13		21.82	21.85	
5	QPSK	25	0		21.68	21.71	

5	16QAM	1	0	21.93	22.03	21.86	23
5	16QAM	1	12	21.82	21.91	21.80	
5	16QAM	1	24	21.81	21.67	21.77	
5	16QAM	12	0	20.81	20.74	21.05	22
5	16QAM	12	7	20.75	20.85	20.70	
5	16QAM	12	13	20.83	20.95	21.00	
5	16QAM	25	0	21.06	20.86	20.73	
5	64QAM	1	0	21.86	21.99	21.73	23
5	64QAM	1	12	21.98	22.07	21.91	
5	64QAM	1	24	22.06	22.06	22.00	
5	64QAM	12	0	20.67	20.97	20.84	
5	64QAM	12	7	20.76	20.86	20.81	22
5	64QAM	12	13	20.67	20.96	20.84	
5	64QAM	25	0	20.90	20.94	20.91	
5	256QAM	1	0	17.75	17.89	17.78	
5	256QAM	1	12	17.57	17.76	17.59	19
5	256QAM	1	24	17.68	17.60	17.56	
5	256QAM	12	0	17.72	17.63	17.46	
5	256QAM	12	7	17.48	17.60	17.57	
5	256QAM	12	13	17.64	17.60	17.64	19
5	256QAM	25	0	17.60	17.47	17.61	
Channel				26055	26365	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	22.96	23.06	23.05	24
3	QPSK	1	8	23.00	23.04	23.02	
3	QPSK	1	14	22.82	23.02	22.97	
3	QPSK	8	0	22.01	22.04	21.98	
3	QPSK	8	4	21.80	21.83	21.79	23
3	QPSK	8	7	21.96	21.68	21.75	
3	QPSK	15	0	21.68	21.69	21.72	
3	16QAM	1	0	22.05	22.01	21.86	
3	16QAM	1	8	21.80	21.94	21.84	23
3	16QAM	1	14	21.71	21.79	21.76	
3	16QAM	8	0	20.87	20.94	20.93	
3	16QAM	8	4	20.71	20.79	20.84	
3	16QAM	8	7	21.02	20.76	21.01	22
3	16QAM	15	0	20.81	20.79	20.94	
3	64QAM	1	0	21.88	21.91	21.89	
3	64QAM	1	8	21.94	22.06	21.94	
3	64QAM	1	14	22.02	22.11	22.03	23
3	64QAM	8	0	20.67	21.01	20.90	
3	64QAM	8	4	20.87	20.94	20.86	
3	64QAM	8	7	20.81	20.95	20.86	
3	64QAM	15	0	20.76	20.73	20.73	22
3	256QAM	1	0	17.67	17.79	17.76	
3	256QAM	1	8	17.62	17.68	17.64	
3	256QAM	1	14	17.89	17.64	17.61	
3	256QAM	8	0	17.63	17.62	17.46	19
3	256QAM	8	4	17.45	17.37	17.62	
3	256QAM	8	7	17.47	17.51	17.58	
3	256QAM	15	0	17.44	17.60	17.67	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	22.92	23.03	22.99	24
1.4	QPSK	1	3	22.87	22.91	22.90	
1.4	QPSK	1	5	22.78	22.91	22.89	
1.4	QPSK	3	0	21.84	21.94	21.97	
1.4	QPSK	3	1	21.87	21.82	21.92	
1.4	QPSK	3	3	21.90	21.73	21.86	
1.4	QPSK	6	0	21.84	21.89	21.87	23
1.4	16QAM	1	0	22.09	22.06	21.89	
1.4	16QAM	1	3	21.76	21.92	21.86	22
1.4	16QAM	1	5	21.84	21.79	21.87	
1.4	16QAM	3	0	20.87	20.70	21.05	
1.4	16QAM	3	1	20.77	20.72	20.90	
1.4	16QAM	3	3	20.91	20.88	20.95	
1.4	16QAM	6	0	20.86	20.88	20.78	
1.4	64QAM	1	0	21.90	21.79	21.84	23
1.4	64QAM	1	3	21.99	22.05	21.93	
1.4	64QAM	1	5	22.12	22.03	22.06	
1.4	64QAM	3	0	20.84	21.01	20.83	
1.4	64QAM	3	1	20.78	20.98	20.83	
1.4	64QAM	3	3	20.74	20.97	20.79	
1.4	64QAM	6	0	20.80	20.94	20.95	21
1.4	256QAM	1	0	17.72	17.78	17.61	
1.4	256QAM	1	3	17.67	17.61	17.57	19
1.4	256QAM	1	5	17.82	17.65	17.53	
1.4	256QAM	3	0	17.51	17.51	17.66	
1.4	256QAM	3	1	17.47	17.36	17.62	
1.4	256QAM	3	3	17.52	17.52	17.50	
1.4	256QAM	6	0	17.40	17.56	17.48	
1.4	256QAM	6	0	17.40	17.56	17.48	19

Band 26 for FCC (dBm) (only on channel required)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.16	23.17	23.12	24		
15	QPSK	1	37	23.13	23.14	23.10			
15	QPSK	1	74	23.04	23.08	23.01			
15	QPSK	36	0	22.04	22.15	22.10	23		
15	QPSK	36	20	22.00	21.91	21.93			
15	QPSK	36	39	21.93	22.01	21.87			
15	QPSK	75	0	21.88	21.99	21.96	23		
15	16QAM	1	0	22.10	22.17	22.07			
15	16QAM	1	37	21.91	21.99	22.02			
15	16QAM	1	74	21.96	21.81	21.93	22		
15	16QAM	36	0	21.03	20.98	21.19			
15	16QAM	36	20	20.99	21.08	21.06			
15	16QAM	36	39	21.11	20.97	20.93	23		
15	16QAM	75	0	21.02	21.07	21.09			
15	64QAM	1	0	22.02	22.02	22.06			
15	64QAM	1	37	22.18	22.09	22.15	22		
15	64QAM	1	74	22.16	22.21	22.09			
15	64QAM	36	0	20.90	21.04	21.05			
15	64QAM	36	20	20.89	21.04	21.12	19		
15	64QAM	36	39	20.84	21.14	20.91			
15	64QAM	75	0	21.03	21.06	21.11			
15	256QAM	1	0	17.79	17.73	17.72	19		
15	256QAM	1	37	17.56	17.62	17.55			
15	256QAM	1	74	17.79	17.67	17.39			
15	256QAM	36	0	17.60	17.48	17.66	19		
15	256QAM	36	20	17.51	17.61	17.51			
15	256QAM	36	39	17.64	17.59	17.47			
15	256QAM	75	0	17.41	17.63	17.59	Tune-up limit (dBm)		
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.12	23.14	23.08	24		
10	QPSK	1	25	23.07	23.10	23.05			
10	QPSK	1	49	22.99	23.00	22.98			
10	QPSK	25	0	22.12	22.20	22.04	23		
10	QPSK	25	12	21.89	21.96	21.85			
10	QPSK	25	25	21.99	21.92	21.82			
10	QPSK	50	0	21.90	21.99	21.86	23		
10	16QAM	1	0	22.11	22.01	22.11			
10	16QAM	1	25	21.92	21.96	21.91			
10	16QAM	1	49	21.90	21.98	21.95	22		
10	16QAM	25	0	20.95	20.89	21.08			
10	16QAM	25	12	21.01	20.98	20.92			
10	16QAM	25	25	20.95	21.01	21.10	23		
10	16QAM	50	0	20.97	21.07	21.03			
10	64QAM	1	0	21.98	22.10	22.05			
10	64QAM	1	25	22.14	22.03	21.99	22		
10	64QAM	1	49	22.28	22.20	22.11			
10	64QAM	25	0	20.95	21.12	20.96			
10	64QAM	25	12	21.03	21.09	21.06	19		
10	64QAM	25	25	20.82	21.10	21.07			
10	64QAM	50	0	20.87	21.00	21.00			
10	256QAM	1	0	17.83	17.76	17.68	19		
10	256QAM	1	25	17.81	17.78	17.62			
10	256QAM	1	49	17.69	17.71	17.39			
10	256QAM	25	0	17.62	17.66	17.60	19		
10	256QAM	25	12	17.46	17.48	17.45			
10	256QAM	25	25	17.63	17.58	17.50			
10	256QAM	50	0	17.62	17.51	17.56	Tune-up limit (dBm)		
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.11	23.13	23.10	24		
5	QPSK	1	12	23.02	23.10	23.01			
5	QPSK	1	24	23.08	23.01	23.04			
5	QPSK	12	0	22.05	22.09	22.02	23		
5	QPSK	12	7	21.91	21.99	22.09			
5	QPSK	12	13	21.88	22.03	21.87			
5	QPSK	25	0	21.99	21.83	21.85	23		
5	16QAM	1	0	22.19	22.15	21.96			
5	16QAM	1	12	22.03	21.90	22.06			
5	16QAM	1	24	21.93	21.85	21.91	22		
5	16QAM	12	0	21.01	20.87	21.18			
5	16QAM	12	7	21.02	20.88	21.07			
5	16QAM	12	13	21.13	21.07	21.09	23		
5	16QAM	25	0	21.21	21.07	21.06			
5	64QAM	1	0	22.03	21.92	22.05			
5	64QAM	1	12	22.15	22.16	22.10	22		
5	64QAM	1	24	22.23	22.21	22.16			
5	64QAM	12	0	20.91	21.04	21.06			
5	64QAM	12	7	21.10	20.96	21.07	19		
5	64QAM	12	13	20.92	21.02	20.83			
5	64QAM	25	0	21.03	20.92	20.93			
5	256QAM	1	0	17.76	17.89	17.85	19		
5	256QAM	1	12	17.70	17.76	17.65			
5	256QAM	1	24	17.88	17.78	17.61			
5	256QAM	12	0	17.58	17.66	17.57	19		
5	256QAM	12	7	17.38	17.44	17.55			
5	256QAM	12	13	17.70	17.52	17.59			
5	256QAM	25	0	17.40	17.46	17.44	Tune-up limit (dBm)		
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.07	23.11	23.08	24		
3	QPSK	1	8	23.02	23.05	23.07			
3	QPSK	1	14	22.95	23.02	22.98			
3	QPSK	8	0	22.11	22.14	22.01	23		
3	QPSK	8	4	21.96	21.84	22.09			
3	QPSK	8	7	22.03	21.87	21.99			
3	QPSK	15	0	22.01	21.94	21.85	Tune-up limit (dBm)		

Band 30 (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		22.83		24		
10	QPSK	1	25		22.77				
10	QPSK	1	49		22.71				
10	QPSK	25	0		21.79		23		
10	QPSK	25	12		21.75				
10	QPSK	25	25		21.68				
10	QPSK	50	0		21.74		23		
10	16QAM	1	0		21.91				
10	16QAM	1	25		21.90				
10	16QAM	1	49		21.86		22		
10	16QAM	25	0		20.88				
10	16QAM	25	12		20.75				
10	16QAM	25	25		20.72		23		
10	16QAM	50	0		20.76				
10	64QAM	1	0		21.87				
10	64QAM	1	25		21.81		22		
10	64QAM	1	49		21.79				
10	64QAM	25	0		20.82				
10	64QAM	25	12		20.73		19		
10	64QAM	25	25		20.72				
10	64QAM	50	0		20.75				
10	256QAM	1	0		17.69		19		
10	256QAM	1	25		17.64				
10	256QAM	1	49		17.56				
10	256QAM	25	0		17.47		19		
10	256QAM	25	12		17.46				
10	256QAM	25	25		17.53				
10	256QAM	50	0		17.58				
Channel				27685	27710	27735	Tune-up limit (dBm)		
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	22.76	22.81	22.74	24		
5	QPSK	1	12	22.67	22.75	22.71			
5	QPSK	1	24	22.70	22.70	22.72			
5	QPSK	12	0	21.71	21.73	21.62	23		
5	QPSK	12	7	21.61	21.53	21.60			
5	QPSK	12	13	21.63	21.58	21.59			
5	QPSK	25	0	21.46	21.49	21.45	23		
5	16QAM	1	0	21.82	21.86	21.83			
5	16QAM	1	12	21.58	21.76	21.62			
5	16QAM	1	24	21.58	21.69	21.55	22		
5	16QAM	12	0	20.46	20.56	20.75			
5	16QAM	12	7	20.60	20.59	20.60			
5	16QAM	12	13	20.52	20.74	20.68	23		
5	16QAM	25	0	20.67	20.61	20.59			
5	64QAM	1	0	21.75	21.56	21.65			
5	64QAM	1	12	21.63	21.61	21.56	22		
5	64QAM	1	24	21.77	21.81	21.89			
5	64QAM	12	0	20.49	20.80	20.62			
5	64QAM	12	7	20.67	20.54	20.60	19		
5	64QAM	12	13	20.64	20.54	20.54			
5	64QAM	25	0	20.67	20.67	20.56			
5	256QAM	1	0	17.74	17.80	17.80	19		
5	256QAM	1	12	17.69	17.76	17.57			
5	256QAM	1	24	17.81	17.66	17.37			
5	256QAM	12	0	17.68	17.45	17.44	19		
5	256QAM	12	7	17.46	17.55	17.68			
5	256QAM	12	13	17.58	17.62	17.49			
5	256QAM	25	0	17.61	17.51	17.48			

3	16QAM	1	0	22.07	22.15	22.01	23
3	16QAM	1	8	21.96	22.06	22.04	
3	16QAM	1	14	21.93	21.92	21.92	
3	16QAM	8	0	21.05	21.08	21.20	22
3	16QAM	8	4	20.83	20.92	20.99	
3	16QAM	8	7	21.00	21.00	21.04	
3	16QAM	15	0	21.20	21.02	20.98	23
3	64QAM	1	0	22.12	21.97	21.90	
3	64QAM	1	8	22.19	22.05	22.15	
3	64QAM	1	14	22.27	22.22	22.26	22
3	64QAM	8	0	20.98	21.15	21.08	
3	64QAM	8	4	20.97	21.04	20.95	
3	64QAM	8	7	20.82	21.08	20.98	19
3	64QAM	15	0	20.90	21.04	20.90	
3	256QAM	1	0	17.79	17.66	17.67	
3	256QAM	1	8	17.71	17.81	17.56	19
3	256QAM	1	14	17.90	17.59	17.47	
3	256QAM	8	0	17.75	17.42	17.53	
3	256QAM	8	4	17.58	17.37	17.58	19
3	256QAM	8	7	17.55	17.54	17.63	
3	256QAM	15	0	17.61	17.52	17.49	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.04	23.10	23.03	24
1.4	QPSK	1	3	22.97	23.05	23.00	
1.4	QPSK	1	5	22.88	23.01	22.91	
1.4	QPSK	3	0	22.05	22.03	22.17	
1.4	QPSK	3	1	22.03	21.98	21.88	
1.4	QPSK	3	3	21.90	21.89	21.96	23
1.4	QPSK	6	0	22.01	21.86	21.87	
1.4	16QAM	1	0	22.03	22.08	22.01	23
1.4	16QAM	1	3	22.02	21.90	21.92	
1.4	16QAM	1	5	21.96	21.80	22.01	
1.4	16QAM	3	0	21.04	20.86	21.20	
1.4	16QAM	3	1	20.97	20.93	20.95	
1.4	16QAM	3	3	20.98	21.13	21.01	22
1.4	16QAM	6	0	21.00	20.90	21.08	
1.4	64QAM	1	0	22.11	22.05	22.05	23
1.4	64QAM	1	3	22.21	22.08	21.95	
1.4	64QAM	1	5	22.24	22.10	22.11	
1.4	64QAM	3	0	20.82	21.10	20.85	
1.4	64QAM	3	1	20.91	21.03	21.03	
1.4	64QAM	3	3	20.91	20.93	20.97	22
1.4	64QAM	6	0	21.06	20.85	21.11	
1.4	256QAM	1	0	17.84	17.80	17.65	19
1.4	256QAM	1	3	17.72	17.70	17.57	
1.4	256QAM	1	5	17.68	17.66	17.48	
1.4	256QAM	3	0	17.59	17.52	17.63	
1.4	256QAM	3	1	17.57	17.39	17.50	
1.4	256QAM	3	3	17.50	17.65	17.54	19
1.4	256QAM	6	0	17.60	17.52	17.66	

Band 66 (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.90	22.97	22.89	24		
20	QPSK	1	49	22.82	22.87	22.83			
20	QPSK	1	99	22.77	22.86	22.81			
20	QPSK	50	0	21.83	21.95	21.86	23		
20	QPSK	50	24	21.71	21.72	21.79			
20	QPSK	50	50	21.66	21.70	21.76			
20	QPSK	100	0	21.64	21.71	21.69	23		
20	16QAM	1	0	21.89	21.99	21.73			
20	16QAM	1	49	21.66	21.83	21.69			
20	16QAM	1	99	21.58	21.60	21.83	22		
20	16QAM	50	0	20.77	20.84	20.81			
20	16QAM	50	24	20.60	20.58	20.56			
20	16QAM	50	50	20.75	20.64	20.71	23		
20	16QAM	100	0	20.72	20.68	20.67			
20	64QAM	1	0	21.77	21.85	21.70			
20	64QAM	1	49	21.91	21.90	21.82	22		
20	64QAM	1	99	21.85	22.01	21.77			
20	64QAM	50	0	20.78	20.84	20.69			
20	64QAM	50	24	20.80	20.72	20.81	19		
20	64QAM	50	50	20.80	20.78	20.81			
20	64QAM	100	0	20.82	20.79	20.73			
20	256QAM	1	0	17.88	17.82	17.72	19		
20	256QAM	1	49	17.68	17.64	17.73			
20	256QAM	1	99	17.76	17.56	17.55			
20	256QAM	50	0	17.74	17.47	17.47	19		
20	256QAM	50	24	17.38	17.37	17.53			
20	256QAM	50	50	17.71	17.60	17.66			
20	256QAM	100	0	17.58	17.52	17.44	24		
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.86	22.94	22.86	24		
15	QPSK	1	37	22.83	22.86	22.83			
15	QPSK	1	74	22.75	22.88	22.79			
15	QPSK	36	0	21.85	22.01	21.85	23		
15	QPSK	36	20	21.84	21.85	21.77			
15	QPSK	36	39	21.74	21.79	21.71			
15	QPSK	75	0	21.62	21.58	21.60	23		
15	16QAM	1	0	21.86	21.83	21.65			
15	16QAM	1	37	21.67	21.65	21.61			
15	16QAM	1	74	21.74	21.59	21.72	22		
15	16QAM	36	0	20.77	20.84	20.82			
15	16QAM	36	20	20.65	20.60	20.68			
15	16QAM	36	39	20.74	20.82	20.84	23		
15	16QAM	75	0	20.80	20.77	20.73			
15	64QAM	1	0	21.69	21.81	21.77			
15	64QAM	1	37	21.79	21.93	21.92	22		
15	64QAM	1	74	21.87	21.91	21.98			
15	64QAM	36	0	20.73	20.83	20.67			
15	64QAM	36	20	20.77	20.79	20.82	19		
15	64QAM	36	39	20.65	20.77	20.73			
15	64QAM	75	0	20.71	20.71	20.73			
15	256QAM	1	0	17.85	17.85	17.65	19		
15	256QAM	1	37	17.79	17.64	17.71			
15	256QAM	1	74	17.69	17.69	17.56			
15	256QAM	36	0	17.59	17.42	17.43	19		
15	256QAM	36	20	17.43	17.39	17.44			
15	256QAM	36	39	17.49	17.51	17.42			
15	256QAM	75	0	17.40	17.65	17.65	24		
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.83	22.91	22.89	24		
10	QPSK	1	25	22.79	22.85	22.81			
10	QPSK	1	49	22.76	22.87	22.84			
10	QPSK	25	0	21.82	21.88	21.80	23		
10	QPSK	25	12	21.69	21.73	21.79			
10	QPSK	25	25	21.82	21.87	21.88			
10	QPSK	50	0	21.54	21.62	21.73	23		
10	16QAM	1	0	21.78	21.75	21.75			
10	16QAM	1	25	21.74	21.69	21.76			
10	16QAM	1	49	21.82	21.68	21.66	22		
10	16QAM	25	0	20.74	20.65	20.79			
10	16QAM	25	12	20.61	20.59	20.66			
10	16QAM	25	25	20.83	20.75	20.85	23		
10	16QAM	50	0	20.71	20.66	20.82			
10	64QAM	1	0	21.69	21.77	21.60			
10	64QAM	1	25	21.85	21.94	21.78	22		
10	64QAM	1	49	21.87	21.84	21.88			
10	64QAM	25	0	20.59	20.74	20.68			
10	64QAM	25	12	20.77	20.79	20.83	19		
10	64QAM	25	25	20.71	20.80	20.68			
10	64QAM	50	0	20.69	20.60	20.64			
10	256QAM	1	0	17.74	17.85	17.74	19		
10	256QAM	1	25	17.76	17.69	17.62			
10	256QAM	1	49	17.73	17.60	17.37			
10	256QAM	25	0	17.59	17.44	17.64	19		
10	256QAM	25	12	17.37	17.57	17.47			
10	256QAM	25	25	17.51	17.59	17.68			
10	256QAM	50	0	17.46	17.51	17.56	24		
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.86	22.90	22.87	24		
5	QPSK	1	12	22.76	22.88	22.84			
5	QPSK	1	24	22.82	22.82	22.77			
5	QPSK	12	0	21.72	21.99	21.83	23		
5	QPSK	12	7	21.71	21.72	21.77			
5	QPSK	12	13	21.72	21.76	21.69			
5	QPSK	25	0	21.75	21.69	21.62			

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	23.02	23.06	23.03	24
20	QPSK	1	49	22.93	23.03	22.86	
20	QPSK	1	99	22.85	22.84	22.87	
20	QPSK	50	0	21.84	21.97	21.85	23
20	QPSK	50	24	21.70	21.73	21.76	
20	QPSK	50	50	21.68	21.67	21.69	
20	QPSK	100	0	21.65	21.77	21.71	23
20	16QAM	1	0	22.02	21.91	21.66	
20	16QAM	1	49	21.70	21.84	21.80	
20	16QAM	1	99	21.65	21.63	21.75	22
20	16QAM	50	0	20.75	20.64	20.87	
20	16QAM	50	24	20.59	20.61	20.79	
20	16QAM	50	50	20.68	20.68	20.83	23
20	16QAM	100	0	20.79	20.87	20.64	
20	64QAM	1	0	21.83	21.77	21.66	
20	64QAM	1	49	21.86	21.81	21.75	22
20	64QAM	1	99	22.01	21.87	21.87	
20	64QAM	50	0	20.62	20.86	20.66	
20	64QAM	50	24	20.62	20.66	20.89	19
20	64QAM	50	50	20.74	20.66	20.70	
20	64QAM	100	0	20.84	20.77	20.81	
20	256QAM	1	0	17.82	17.83	17.67	19
20	256QAM	1	49	17.58	17.71	17.61	
20	256QAM	1	99	17.76	17.56	17.48	
20	256QAM	50	0	17.52	17.60	17.66	19
20	256QAM	50	24	17.59	17.49	17.57	
20	256QAM	50	50	17.69	17.62	17.65	
20	256QAM	100	0	17.62	17.48	17.46	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.84	23.04	22.78	24
15	QPSK	1	37	22.98	22.80	22.98	
15	QPSK	1	74	22.75	23.02	22.93	
15	QPSK	36	0	21.88	22.01	21.96	23
15	QPSK	36	20	21.76	21.68	21.76	
15	QPSK	36	39	21.66	21.65	21.60	
15	QPSK	75	0	21.57	21.80	21.83	23
15	16QAM	1	0	22.01	21.89	21.81	
15	16QAM	1	37	21.76	21.71	21.69	
15	16QAM	1	74	21.68	21.75	21.80	22
15	16QAM	36	0	20.62	20.79	20.89	
15	16QAM	36	20	20.72	20.83	20.80	
15	16QAM	36	39	20.77	20.86	20.86	23
15	16QAM	75	0	20.76	20.77	20.64	
15	64QAM	1	0	21.93	21.88	21.78	
15	64QAM	1	37	21.75	21.89	21.81	22
15	64QAM	1	74	22.00	21.99	21.92	
15	64QAM	36	0	20.76	20.81	20.78	
15	64QAM	36	20	20.85	20.68	20.73	19
15	64QAM	36	39	20.57	20.85	20.62	
15	64QAM	75	0	20.69	20.67	20.74	
15	256QAM	1	0	17.75	17.77	17.84	19
15	256QAM	1	37	17.66	17.66	17.62	
15	256QAM	1	74	17.66	17.65	17.57	
15	256QAM	36	0	17.66	17.61	17.65	19
15	256QAM	36	20	17.43	17.36	17.58	
15	256QAM	36	39	17.53	17.48	17.49	
15	256QAM	75	0	17.61	17.49	17.57	
Channel				133172	133272	133422	Tune-up limit (dBm)
Frequency (MHz)				668	678	693	
10	QPSK	1	0	23.00	23.02	22.90	24
10	QPSK	1	25	22.93	22.77	22.92	
10	QPSK	1	49	22.82	22.89	22.99	
10	QPSK	25	0	21.91	21.76	21.85	23
10	QPSK	25	12	21.61	21.63	21.58	
10	QPSK	25	25	21.74	21.67	21.59	
10	QPSK	50	0	21.53	21.69	21.70	23
10	16QAM	1	0	21.87	21.94	21.64	
10	16QAM	1	25	21.72	21.70	21.64	
10	16QAM	1	49	21.64	21.70	21.80	22
10	16QAM	25	0	20.77	20.77	20.85	
10	16QAM	25	12	20.74	20.79	20.60	
10	16QAM	25	25	20.74	20.76	20.67	23
10	16QAM	50	0	20.76	20.83	20.62	
10	64QAM	1	0	21.81	21.72	21.64	
10	64QAM	1	25	21.90	21.82	21.76	22
10	64QAM	1	49	21.82	21.96	21.97	
10	64QAM	25	0	20.78	20.74	20.69	
10	64QAM	25	12	20.63	20.69	20.76	19
10	64QAM	25	25	20.62	20.68	20.68	
10	64QAM	50	0	20.83	20.68	20.84	
10	256QAM	1	0	17.81	17.89	17.77	19
10	256QAM	1	25	17.60	17.79	17.65	
10	256QAM	1	49	17.70	17.75	17.55	
10	256QAM	25	0	17.72	17.42	17.55	19
10	256QAM	25	12	17.36	17.47	17.57	
10	256QAM	25	25	17.49	17.65	17.58	
10	256QAM	50	0	17.61	17.57	17.57	
Channel				133147	133247	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	22.96	23.00	22.93	24
5	QPSK	1	12	22.77	22.85	22.98	
5	QPSK	1	24	22.66	22.82	22.84	
5	QPSK	12	0	21.85	21.82	21.77	23
5	QPSK	12	7	21.65	21.71	21.67	
5	QPSK	12	13	21.70	21.76	21.68	
5	QPSK	25	0	21.72	21.69	21.65	

5	16QAM	1	0	21.91	21.94	21.71	23
5	16QAM	1	12	21.62	21.70	21.61	
5	16QAM	1	24	21.75	21.68	21.85	
5	16QAM	12	0	20.64	20.80	20.72	22
5	16QAM	12	7	20.54	20.65	20.65	
5	16QAM	12	13	20.88	20.63	20.87	
5	16QAM	25	0	20.89	20.65	20.70	23
5	64QAM	1	0	21.73	21.75	21.65	
5	64QAM	1	12	21.84	21.86	21.73	
5	64QAM	1	24	21.92	21.83	21.99	22
5	64QAM	12	0	20.54	20.78	20.69	
5	64QAM	12	7	20.76	20.66	20.69	
5	64QAM	12	13	20.63	20.77	20.65	19
5	64QAM	25	0	20.74	20.63	20.82	
5	256QAM	1	0	17.68	17.76	17.78	
5	256QAM	1	12	17.79	17.82	17.54	19
5	256QAM	1	24	17.66	17.64	17.53	
5	256QAM	12	0	17.70	17.46	17.57	19
5	256QAM	12	7	17.42	17.45	17.47	
5	256QAM	12	13	17.47	17.58	17.53	
5	256QAM	25	0	17.54	17.50	17.46	24
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.88	22.88	22.84	23
3	QPSK	1	8	22.87	22.79	22.81	
3	QPSK	1	14	22.76	22.82	22.76	
3	QPSK	8	0	21.91	21.96	21.88	23
3	QPSK	8	4	21.70	21.83	21.67	
3	QPSK	8	7	21.65	21.74	21.75	
3	QPSK	15	0	21.61	21.70	21.81	23
3	16QAM	1	0	21.80	21.93	21.76	
3	16QAM	1	8	21.62	21.60	21.62	
3	16QAM	1	14	21.70	21.75	21.83	22
3	16QAM	8	0	20.71	20.65	20.71	
3	16QAM	8	4	20.55	20.75	20.58	
3	16QAM	8	7	20.84	20.77	20.64	23
3	16QAM	15	0	20.85	20.71	20.60	
3	64QAM	1	0	21.88	21.89	21.63	
3	64QAM	1	8	21.82	21.91	21.73	22
3	64QAM	1	14	21.82	22.00	21.90	
3	64QAM	8	0	20.68	20.75	20.81	
3	64QAM	8	4	20.65	20.84	20.84	19
3	64QAM	8	7	20.72	20.66	20.59	
3	64QAM	15	0	20.79	20.68	20.72	
3	256QAM	1	0	17.72	17.86	17.72	19
3	256QAM	1	8	17.71	17.82	17.72	
3	256QAM	1	14	17.79	17.64	17.54	
3	256QAM	8	0	17.61	17.57	17.46	19
3	256QAM	8	4	17.49	17.59	17.62	
3	256QAM	8	7	17.71	17.54	17.59	
3	256QAM	15	0	17.62	17.45	17.62	24
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.75	22.86	22.84	24
1.4	QPSK	1	3	22.83	22.78	22.80	
1.4	QPSK	1	5	22.67	22.82	22.82	
1.4	QPSK	3	0	21.89	21.96	21.84	23
1.4	QPSK	3	1	21.64	21.80	21.68	
1.4	QPSK	3	3	21.65	21.75	21.69	
1.4	QPSK	6	0	21.53	21.68	21.80	23
1.4	16QAM	1	0	21.81	21.93	21.74	
1.4	16QAM	1	3	21.64	21.82	21.81	
1.4	16QAM	1	5	21.72	21.68	21.79	22
1.4	16QAM	3	0	20.57	20.81	20.85	
1.4	16QAM	3	1	20.68	20.69	20.72	
1.4	16QAM	3	3	20.72	20.62	20.81	23
1.4	16QAM	6	0	20.76	20.67	20.69	
1.4	64QAM	1	0	21.70	21.90	21.76	
1.4	64QAM	1	3	21.84	21.82	21.85	22
1.4	64QAM	1	5	22.05	21.87	21.90	
1.4	64QAM	3	0	20.57	20.78	20.79	
1.4	64QAM	3	1	20.75	20.77	20.72	19
1.4	64QAM	3	3	20.63	20.86	20.70	
1.4	64QAM	6	0	20.76	20.62	20.85	
1.4	256QAM	1	0	17.89	17.80	17.76	19
1.4	256QAM	1	3	17.70	17.73	17.68	
1.4	256QAM	1	5	17.70	17.65	17.42	
1.4	256QAM	3	0	17.67	17.42	17.48	19
1.4	256QAM	3	1	17.58	17.44	17.62	
1.4	256QAM	3	3	17.70	17.65	17.60	
1.4	256QAM	6	0	17.64	17.46	17.57	19

5	16QAM	1	0	21.96	21.90	21.84	23
5	16QAM	1	12	21.76	21.69	21.74	
5	16QAM	1	24	21.75	21.65	21.69	
5	16QAM	12	0	20.59	20.78	20.90	22
5	16QAM	12	7	20.61	20.80	20.68	
5	16QAM	12	13	20.81	20.78	20.75	
5	16QAM	25	0	20.75	20.64	20.85	23
5	64QAM	1	0	21.76	21.80	21.75	
5	64QAM	1	12	21.92	21.74	21.84	
5	64QAM	1	24	21.81	22.08	21.95	22
5	64QAM	12	0	20.59	20.84	20.76	
5	64QAM	12	7	20.72	20.66	20.85	
5	64QAM	12	13	20.79	20.63	20.76	19
5	64QAM	25	0	20.65	20.65	20.73	
5	256QAM	1	0	17.72	17.80	17.72	
5	256QAM	1	12	17.66	17.78	17.57	19
5	256QAM	1	24	17.90	17.56	17.56	
5	256QAM	12	0	17.61	17.57	17.55	
5	256QAM	12	7	17.55	17.58	17.59	19
5	256QAM	12	13	17.53	17.47	17.57	
5	256QAM	25	0	17.60	17.53	17.67	

n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.16	23.33	23.14	24.50
20		1	53	23.25	23.34	23.15	
20		1	104	23.19	23.34	23.15	
20		50	1	22.86	22.98	22.86	24.00
20	DFT-s-OFDM QPSK	50	25	23.35	23.53	23.38	
20		50	50	22.88	23.08	22.88	
20		100	0	22.92	23.01	22.90	
20	DFT-s-OFDM 16QAM	1	1	23.48	23.70	23.55	24.50
20		1	53	23.51	23.47	23.36	
20		1	104	23.48	23.42	23.50	
20		50	1	22.44	22.72	22.55	24.00
20	DFT-s-OFDM 64QAM	50	25	22.92	23.17	23.00	
20		50	50	22.47	22.57	22.48	
20		100	0	22.46	22.53	22.54	
20	DFT-s-OFDM 256QAM	1	1	22.52	22.53	22.44	23.00
20	CP-OFDM QPSK	1	1	20.95	21.06	20.93	21.50
20	CP-OFDM 16QAM	1	1	18.60	18.89	18.82	19.50
20	CP-OFDM 64QAM	1	1	22.01	21.96	22.01	23.00
20	CP-OFDM 256QAM	1	1	21.54	21.44	21.48	22.00
20		1	1	20.11	20.06	20.06	21.00
20		1	1	16.69	16.58	16.87	17.50
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	23.24	23.22	23.41	24.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	23.11	23.09	23.15	24.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	23.05	23.02	23.01	24.00

n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	24.00
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.86	23.05	19.79	24.00
20		1	53	22.97	23.06	23.02	
20		1	104	22.92	22.94	22.94	
20		50	1	22.63	22.71	22.66	24.00
20		50	25	23.11	23.26	23.22	
20		50	50	22.64	22.68	22.70	
20		100	0	22.61	22.66	22.67	
20	DFT-s-OFDM QPSK	1	1	23.25	23.36	23.28	24.00
20		1	53	23.05	23.20	23.17	
20		1	104	23.03	23.07	23.02	
20		50	1	22.26	22.25	22.26	24.00
20		50	25	23.20	23.24	23.23	
20		50	50	22.15	22.23	22.22	
20		100	0	22.23	22.27	22.27	
20	DFT-s-OFDM 16QAM	1	1	22.35	22.40	22.35	23.00
20	DFT-s-OFDM 64QAM	1	1	20.76	20.81	20.79	21.50
20	DFT-s-OFDM 256QAM	1	1	18.51	18.54	18.63	19.50
20	CP-OFDM QPSK	1	1	21.66	21.75	21.81	22.50
20	CP-OFDM 16QAM	1	1	21.16	21.17	21.37	22.00
20	CP-OFDM 64QAM	1	1	19.70	19.74	19.84	20.50
20	CP-OFDM 256QAM	1	1	16.52	16.67	16.75	17.50
Channel				166300	167300	168300	24.00
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	23.06	23.10	23.13	24.00
Channel				165800	167300	168800	24.00
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	23.17	23.16	22.98	24.00
Channel				165300	167300	169300	24.00
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	23.19	23.21	22.91	24.00

n7 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.40	22.45	22.48	24.00
20		1	53	22.41	22.49	22.63	
20		1	104	22.54	22.71	22.01	
20		50	1	22.08	21.71	22.32	24.00
20		50	25	22.60	22.26	22.86	
20		50	50	22.13	22.26	22.27	
20		100	0	22.13	22.15	22.36	
20	DFT-s-OFDM QPSK	1	1	22.87	22.90	22.86	24.00
20		1	53	22.72	20.48	22.70	
20		1	104	22.68	21.56	20.68	
20		50	1	21.63	19.46	21.85	24.00
20		50	25	22.59	22.83	22.82	
20		50	50	21.69	19.90	20.79	
20		100	0	21.65	19.03	20.47	
20	DFT-s-OFDM 16QAM	1	1	21.84	18.53	20.85	22.50
20	DFT-s-OFDM 64QAM	1	1	20.28	17.13	18.96	21.00
20	DFT-s-OFDM 256QAM	1	1	17.83	17.76	17.82	18.50
20	CP-OFDM QPSK	1	1	21.25	21.13	21.25	22.00
20	CP-OFDM 16QAM	1	1	20.81	20.35	20.81	21.50
20	CP-OFDM 64QAM	1	1	19.18	19.23	19.21	20.00
20	CP-OFDM 256QAM	1	1	15.74	15.69	15.85	16.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	22.65	22.65	22.84	23.50
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	22.65	22.29	22.55	23.50
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	22.83	22.02	22.58	23.50

n12 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	22.86	22.87	23.04	24.00
15		1	39	22.81	23.02	22.99	
15		1	77	22.89	22.95	22.91	
15		36	1	22.61	22.63	22.58	24.00
15		36	18	23.04	23.04	23.05	
15		36	37	22.63	22.66	22.64	
15		75	0	22.55	22.58	22.61	
15	DFT-s-OFDM QPSK	1	1	23.04	23.20	23.05	24.00
15		1	39	23.07	23.00	23.03	
15		1	77	23.09	23.02	23.12	
15		36	1	22.04	22.26	22.21	24.00
15		36	18	23.13	23.15	23.14	
15		36	37	22.09	22.16	22.14	
15		75	0	22.11	22.19	22.18	
15	DFT-s-OFDM 16QAM	1	1	22.12	22.15	22.19	23.00
15	DFT-s-OFDM 64QAM	1	1	20.66	20.64	20.70	21.50
15	DFT-s-OFDM 256QAM	1	1	18.55	18.80	18.80	19.50
15	CP-OFDM QPSK	1	1	21.65	21.65	21.64	22.50
15	CP-OFDM 16QAM	1	1	21.12	21.15	21.16	22.00
15	CP-OFDM 64QAM	1	1	19.89	19.76	19.76	20.50
15	CP-OFDM 256QAM	1	1	16.60	16.50	16.56	17.50
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	DFT-s-OFDM QPSK	1	1	22.93	22.95	22.96	23.50
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	DFT-s-OFDM QPSK	1	1	22.96	22.94	22.84	23.50

n14 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	DFT-s-OFDM PI/2 BPSK	1	1		23.05		24.00
10		1	26		22.98		
10		1	50		22.92		
10		25	1		22.72		24.00
10		25	12		23.17		
10		25	25		22.65		
10		50	0		22.67		
10	DFT-s-OFDM QPSK	1	1		23.40		24.00
10		1	26		23.34		
10		1	50		23.03		
10		25	1		22.17		24.00
10		25	12		23.26		
10		25	25		22.24		
10		50	0		22.24		
10	DFT-s-OFDM 16QAM	1	1		22.36		23.00
10	DFT-s-OFDM 64QAM	1	1		20.86		21.50
10	DFT-s-OFDM 256QAM	1	1		18.51		19.50
10	CP-OFDM QPSK	1	1		21.84		22.50
10	CP-OFDM 16QAM	1	1		21.29		22.00
10	CP-OFDM 64QAM	1	1		19.92		20.50
10	CP-OFDM 256QAM	1	1		16.47		17.00
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	DFT-s-OFDM QPSK	1	1	23.18	23.25	23.36	24.00

n25 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.97	23.21	23.19	24.50
20		1	53	23.11	23.27	23.16	
20		1	104	23.11	23.26	23.16	
20		50	1	22.80	22.88	22.87	24.50
20		50	25	23.28	23.43	23.38	
20		50	50	22.81	22.93	22.87	
20		100	0	22.84	22.95	22.89	
20	DFT-s-OFDM QPSK	1	1	23.58	23.66	23.54	24.50
20		1	53	23.29	23.39	23.26	
20		1	104	23.42	23.40	23.23	
20		50	1	22.24	22.51	22.39	24.50
20		50	25	23.38	23.57	23.39	
20		50	50	22.34	22.54	22.37	
20		100	0	22.34	22.46	22.42	
20	DFT-s-OFDM 16QAM	1	1	22.39	22.53	22.57	23.50
20	DFT-s-OFDM 64QAM	1	1	20.89	20.95	21.01	22.00
20	DFT-s-OFDM 256QAM	1	1	18.53	18.54	18.57	19.50
20	CP-OFDM QPSK	1	1	21.89	21.90	21.89	22.50
20	CP-OFDM 16QAM	1	1	21.39	21.44	21.44	22.00
20	CP-OFDM 64QAM	1	1	19.98	19.99	20.03	21.00
20	CP-OFDM 256QAM	1	1	16.62	16.51	16.55	17.50
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	DFT-s-OFDM QPSK	1	1	23.05	23.15	23.36	24.00
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	DFT-s-OFDM QPSK	1	1	23.15	23.12	23.01	24.00
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	DFT-s-OFDM QPSK	1	1	23.05	23.08	23.05	24.00

n26(814-824MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					163800		
Frequency (MHz)					819		
10	DFT-s-OFDM PI/2 BPSK	1	1		23.01		24.00
10		1	26		23.03		
10		1	50		23.02		
10		25	1		22.69		24.00
10		25	12		23.18		
10		25	25		22.71		
10		50	0		22.63		
10	DFT-s-OFDM QPSK	1	1		23.32		24.00
10		1	26		23.18		
10		1	50		23.26		
10		25	1		22.22		24.00
10		25	12		23.22		
10		25	25		22.17		
10		50	0		22.26		
10	DFT-s-OFDM 16QAM	1	1		22.45		23.00
10	DFT-s-OFDM 64QAM	1	1		20.96		21.50
10	DFT-s-OFDM 256QAM	1	1		18.61		19.50
10	CP-OFDM QPSK	1	1		21.90		22.50
10	CP-OFDM 16QAM	1	1		21.33		22.00
10	CP-OFDM 64QAM	1	1		19.93		20.50
10	CP-OFDM 256QAM	1	1		16.63		17.50
Channel				163300	163800	164300	Tune-up limit (dBm)
Frequency (MHz)				816.5	819	821.5	
5	DFT-s-OFDM QPSK	1	1	23.18	23.16	23.23	24.00

n26(824-849MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.91	22.98	23.11	24.00
20		1	53	22.83	23.00	23.05	
20		1	104	22.92	22.92	22.97	
20		50	1	22.59	22.65	22.73	24.00
20		50	25	23.08	23.08	23.31	
20		50	50	22.53	22.53	22.82	
20		100	0	22.67	22.60	22.76	
20	DFT-s-OFDM QPSK	1	1	23.37	23.41	23.31	24.00
20		1	53	23.07	23.22	23.17	
20		1	104	23.04	23.04	23.10	
20		50	1	22.08	22.13	22.33	24.00
20		50	25	23.06	23.32	23.30	
20		50	50	22.16	22.17	22.29	
20		100	0	22.08	22.12	22.33	
20	DFT-s-OFDM 16QAM	1	1	22.19	22.36	22.44	23.00
20	DFT-s-OFDM 64QAM	1	1	20.65	20.76	20.86	21.50
20	DFT-s-OFDM 256QAM	1	1	18.46	18.47	18.62	19.50
20	CP-OFDM QPSK	1	1	21.61	21.41	21.85	22.50
20	CP-OFDM 16QAM	1	1	21.13	21.08	21.42	22.00
20	CP-OFDM 64QAM	1	1	19.67	19.59	19.90	20.50
20	CP-OFDM 256QAM	1	1	16.63	16.92	16.82	17.50
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	23.15	23.12	23.20	24.00
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	23.13	23.18	23.14	24.00
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	23.27	23.23	23.09	24.00

n30 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	DFT-s-OFDM PI/2 BPSK	1	1		22.53		24.00
10		1	26		22.63		
10		1	50		22.72		
10		25	1		22.28		24.00
10		25	12		22.83		
10		25	25		22.40		
10		50	0		22.35		
10	DFT-s-OFDM QPSK	1	1		22.98		24.00
10		1	26		22.94		
10		1	50		22.80		
10		25	1		21.89		24.00
10		25	12		22.96		
10		25	25		21.93		
10		50	0		21.90		
10	DFT-s-OFDM 16QAM	1	1		21.79		22.50
10	DFT-s-OFDM 64QAM	1	1		20.34		21.00
10	DFT-s-OFDM 256QAM	1	1		17.97		18.50
10	CP-OFDM QPSK	1	1		21.33		22.00
10	CP-OFDM 16QAM	1	1		20.87		21.50
10	CP-OFDM 64QAM	1	1		19.40		20.00
10	CP-OFDM 256QAM	1	1		15.99		16.50
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	DFT-s-OFDM QPSK	1	1	22.52	22.65	22.80	23.50

n41 (PC2)									
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				501204	509904	518598	527298	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.61	22.65	22.61	22.15	22.18	23.50
20		1	25	22.63	22.68	22.57	22.12	22.25	
20		1	49	22.66	22.63	22.48	22.02	22.30	
20		25	1	22.18	22.24	22.17	21.66	21.79	23.50
20		25	12	22.68	22.63	22.57	22.18	22.30	
20		25	25	22.21	22.17	22.04	21.67	21.87	
20		50	0	22.12	22.13	22.02	21.66	21.78	
20	DFT-s-OFDM QPSK	1	1	22.62	22.68	22.71	22.55	22.64	23.50
20		1	25	22.67	22.58	22.52	22.19	22.23	
20		1	49	22.68	22.58	22.47	22.05	22.33	
20		25	1	21.65	21.74	21.57	21.18	21.33	23.50
20		25	12	22.67	22.63	22.68	22.15	22.34	
20		25	25	21.71	21.65	21.56	21.17	21.39	
20		50	0	21.64	21.62	21.74	21.15	21.32	
20	DFT-s-OFDM 16QAM	1	1	21.57	21.56	21.49	21.14	21.11	22.00
20	DFT-s-OFDM 64QAM	1	1	19.87	19.96	19.82	19.47	19.42	20.50
20	DFT-s-OFDM 256QAM	1	1	17.84	18.00	17.80	17.41	17.50	18.50
20	CP-OFDM QPSK	1	1	21.14	21.20	21.06	20.60	20.69	22.00
20	CP-OFDM 16QAM	1	1	20.68	20.71	20.53	20.11	20.26	21.50
20	CP-OFDM 64QAM	1	1	19.13	19.21	18.96	18.56	18.63	19.50
20	CP-OFDM 256QAM	1	1	15.95	16.05	15.91	15.46	15.59	16.50
Channel				500700	509652	518598	527550	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.26	2592.99	2637.75	2682.48	
15	DFT-s-OFDM QPSK	1	1	22.68	22.54	22.51	22.03	22.15	23.50
Channel				500202	509400	518598	527796	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2547	2592.99	2638.98	2685	
10	DFT-s-OFDM QPSK	1	1	22.62	22.56	22.44	22.18	22.06	23.00

n48 (PC3)									
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				637334	639500	641666	643832	646000	23.50
Frequency (MHz)				3560.01	3592.5	3624.99	3657.48	3690	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.51	22.67	22.64	22.21	22.34	23.50
20		1	25	22.53	22.62	22.53	22.25	22.33	
20		1	49	22.62	22.62	22.49	22.16	22.30	
20		25	1	21.59	22.16	22.11	21.81	21.88	23.50
20		25	12	22.60	22.65	22.58	22.31	22.36	
20		25	25	21.68	22.13	22.03	21.75	21.89	
20	DFT-s-OFDM QPSK	50	0	21.50	22.13	22.02	21.72	21.83	23.50
20		1	1	22.54	22.69	22.71	22.21	22.24	
20		1	25	22.55	22.63	22.56	22.23	22.37	
20		1	49	22.65	22.54	22.42	22.16	22.36	23.50
20		25	1	21.55	21.70	21.61	21.30	21.34	
20		25	12	22.58	22.68	22.69	22.27	22.39	
20	DFT-s-OFDM 16QAM	25	25	21.57	21.64	21.48	21.22	21.36	22.50
20		50	0	21.57	21.62	21.51	21.22	21.33	
20	DFT-s-OFDM 64QAM	1	1	21.44	21.68	21.64	21.19	21.19	20.50
20	DFT-s-OFDM 256QAM	1	1	19.77	19.96	19.87	19.55	19.51	18.50
20	CP-OFDM QPSK	1	1	17.83	17.98	17.92	17.51	17.54	22.00
20	CP-OFDM 16QAM	1	1	20.96	21.14	21.14	20.75	20.73	21.50
20	CP-OFDM 64QAM	1	1	20.47	20.66	20.60	20.22	20.22	20.00
20	CP-OFDM 256QAM	1	1	18.96	19.14	19.22	18.65	18.83	16.50
Channel				637168	639418	641666	643916	646166	23.50
Frequency (MHz)				3557.52	3591.27	3624.99	3658.74	3692.49	
15	DFT-s-OFDM QPSK	1	1	22.53	22.55	22.51	22.17	22.27	23.50
Channel				637000	639334	641666	644000	646332	23.00
Frequency (MHz)				3555	3590.01	3624.99	3660	3694.98	
10	DFT-s-OFDM QPSK	1	1	22.36	22.51	22.43	22.10	22.24	23.00

n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.65	22.60	22.56	24.00
20		1	53	22.62	22.59	22.60	
20		1	104	22.51	22.65	22.70	
20		50	1	22.32	22.25	22.24	24.00
20		50	25	22.77	22.74	22.67	
20		50	50	22.24	22.20	22.23	
20		100	0	22.26	22.19	22.25	
20	DFT-s-OFDM QPSK	1	1	22.95	23.03	22.99	24.00
20		1	53	22.70	22.61	22.90	
20		1	104	22.61	22.59	22.85	
20		50	1	21.78	21.77	21.83	24.00
20		50	25	22.84	22.85	22.80	
20		50	50	21.78	21.76	21.83	
20		100	0	21.76	21.77	21.77	
20	DFT-s-OFDM 16QAM	1	1	21.85	21.79	21.82	22.50
20	DFT-s-OFDM 64QAM	1	1	20.31	20.20	20.23	21.00
20	DFT-s-OFDM 256QAM	1	1	17.99	17.92	17.91	18.50
20	CP-OFDM QPSK	1	1	21.39	21.28	21.25	22.00
20	CP-OFDM 16QAM	1	1	20.88	20.80	20.72	21.50
20	CP-OFDM 64QAM	1	1	19.48	19.36	19.33	20.00
20	CP-OFDM 256QAM	1	1	16.07	15.91	15.92	17.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	22.82	22.70	22.63	23.50
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	22.87	22.64	22.61	23.50
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	22.79	22.52	22.59	23.50

n71 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.54	22.58	22.77	24.00
20		1	53	22.58	22.63	22.69	
20		1	104	22.66	22.49	22.54	
20		50	1	22.23	22.31	22.38	24.00
20		50	25	22.79	22.74	22.85	
20		50	50	22.32	22.22	22.30	
20		100	0	22.31	22.28	22.37	
20	DFT-s-OFDM QPSK	1	1	22.92	23.01	22.98	24.00
20		1	53	22.76	22.71	22.88	
20		1	104	22.69	22.57	22.66	
20		50	1	21.78	21.82	21.85	24.00
20		50	25	22.75	22.85	22.90	
20		50	50	21.85	21.80	21.79	
20		100	0	21.80	21.93	21.82	
20	DFT-s-OFDM 16QAM	1	1	21.87	21.79	21.99	22.50
20	DFT-s-OFDM 64QAM	1	1	20.39	20.37	20.48	21.00
20	DFT-s-OFDM 256QAM	1	1	18.16	18.60	18.35	19.50
20	CP-OFDM QPSK	1	1	21.19	21.30	21.49	22.00
20	CP-OFDM 16QAM	1	1	20.74	20.82	21.00	22.00
20	CP-OFDM 64QAM	1	1	19.37	19.41	19.58	20.50
20	CP-OFDM 256QAM	1	1	16.05	16.66	16.37	17.50
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	DFT-s-OFDM QPSK	1	1	22.74	22.70	22.89	23.50
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	DFT-s-OFDM QPSK	1	1	22.77	22.70	22.74	23.50
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	DFT-s-OFDM QPSK	1	1	22.76	22.89	22.82	23.50

n77(3450-3550MHz) (PC3)									
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				630668	632000	633334	634666	636000	24.00
Frequency (MHz)				3460.02	3480	3500.01	3519.99	3540	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.72	22.92	22.97	19.46	22.84	24.00
20		1	25	22.57	22.96	22.97	22.95	22.77	
20		1	49	22.49	22.92	22.96	22.88	22.59	
20		25	1	21.62	22.49	22.53	22.47	22.21	24.00
20		25	12	22.61	23.05	23.03	22.99	22.69	
20		25	25	21.52	22.44	22.53	22.43	22.13	
20	DFT-s-OFDM QPSK	50	0	21.57	22.41	22.49	22.48	22.18	24.00
20		1	1	23.01	23.05	23.15	22.98	22.98	
20		1	25	22.54	22.90	22.99	22.94	22.68	
20		1	49	22.50	22.93	22.96	22.90	22.58	24.00
20		25	1	21.63	21.92	22.01	22.01	21.74	
20		25	12	22.59	22.98	23.04	23.01	22.73	
20	DFT-s-OFDM 16QAM	25	25	21.57	21.99	22.03	21.90	21.65	22.50
20		50	0	21.56	21.94	22.03	21.96	21.70	
20	DFT-s-OFDM 64QAM	1	1	21.50	21.86	21.92	21.92	21.76	21.00
20	DFT-s-OFDM 256QAM	1	1	19.89	20.21	20.23	20.21	20.09	19.00
20	CP-OFDM QPSK	1	1	17.88	18.23	18.33	18.32	18.11	22.00
20	CP-OFDM 16QAM	1	1	21.10	21.32	21.48	21.43	21.24	21.50
20	CP-OFDM 64QAM	1	1	20.56	20.83	20.97	20.95	20.74	20.50
20	CP-OFDM 256QAM	1	1	19.02	19.26	19.58	19.36	19.34	17.00
Channel				630500	631916	633334	634750	636166	23.50
Frequency (MHz)				3457.5	3478.74	3500.01	3521.25	3542.49	
15	DFT-s-OFDM QPSK	1	1	22.65	22.42	22.39	22.48	22.53	23.50
Channel				630334	631834	633334	634834	636332	23.50
Frequency (MHz)				3455.01	3477.51	3500.01	3522.51	3544.98	
10	DFT-s-OFDM QPSK	1	1	22.54	22.46	22.47	22.58	22.57	23.50

n77(3700-3980MHz) (PC3)									
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				647334	651668	656000	660332	664666	24.00
Frequency (MHz)				3710.01	3775.02	3840	3904.98	3969.99	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.82	23.05	18.96	22.44	22.98	24.00
20		1	25	22.96	23.00	22.43	22.45	22.97	
20		1	49	23.03	22.95	22.41	22.42	22.97	
20		25	1	22.38	22.59	22.02	22.05	22.56	23.50
20		25	12	22.93	23.05	22.49	22.51	22.98	
20		25	25	22.42	22.50	21.99	22.02	22.53	
20	DFT-s-OFDM QPSK	50	0	22.37	22.53	22.03	22.02	22.49	24.00
20		1	1	23.02	23.01	23.15	22.96	22.95	
20		1	25	22.92	23.00	22.44	22.48	22.87	
20		1	49	22.97	22.93	22.41	22.47	22.87	24.00
20		25	1	21.86	22.06	21.54	21.55	21.96	
20		25	12	22.89	23.03	23.04	23.00	22.94	
20	DFT-s-OFDM 16QAM	25	25	21.91	22.03	21.50	21.56	21.97	24.00
20		50	0	21.86	22.04	21.50	21.55	21.94	
20	DFT-s-OFDM 64QAM	1	1	21.88	21.91	21.32	21.51	21.80	22.50
20	DFT-s-OFDM 256QAM	1	1	20.16	20.27	19.63	19.95	20.12	21.00
20	CP-OFDM QPSK	1	1	18.14	18.22	17.73	17.94	18.23	19.00
20	CP-OFDM 16QAM	1	1	21.32	21.42	20.88	21.00	21.38	22.00
20	CP-OFDM 64QAM	1	1	20.77	20.89	20.38	20.47	20.97	21.50
20	CP-OFDM 256QAM	1	1	19.29	19.35	18.79	18.98	19.43	20.00
20	CP-OFDM 256QAM	1	1	16.20	16.33	15.77	15.87	16.27	17.00
Channel				647168	651584	656000	660416	664832	24.00
Frequency (MHz)				3707.52	3773.76	3840	3906.24	3972.48	
15	DFT-s-OFDM QPSK	1	1	22.74	23.12	22.53	22.56	23.04	24.00
Channel				647000	651500	656000	660500	665000	23.50
Frequency (MHz)				3705	3772.5	3840	3907.5	3975	
10	DFT-s-OFDM QPSK	1	1	22.59	23.06	22.47	22.56	22.87	23.50

n78(3450-3550MHz) (PC3)									
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				630668	632000	633334	634668	636000	24.00
Frequency (MHz)				3460.02	3480	3500.01	3520.02	3540	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.81	22.84	22.95	22.95	22.82	24.00
20		1	25	22.87	22.89	23.00	22.91	22.75	
20		1	49	22.94	22.93	22.94	22.86	22.64	
20		25	1	22.34	22.39	22.52	22.50	22.29	24.00
20		25	12	22.91	22.97	23.01	22.98	22.79	
20		25	25	22.45	22.50	22.49	22.44	22.23	
20	DFT-s-OFDM QPSK	50	0	22.36	22.42	22.46	22.43	22.29	24.00
20		1	1	22.83	22.82	23.12	22.97	22.87	
20		1	25	22.78	22.87	22.99	22.90	22.79	
20		1	49	22.84	22.91	22.96	22.86	22.66	24.00
20		25	1	21.81	21.90	22.01	21.97	21.86	
20		25	12	22.81	22.94	23.02	22.96	22.82	
20	DFT-s-OFDM 16QAM	25	25	21.80	21.94	22.00	21.93	21.73	24.00
20		50	0	21.79	21.95	22.00	21.98	21.77	
20	DFT-s-OFDM 64QAM	1	1	21.72	21.84	21.90	21.84	21.68	22.50
20	DFT-s-OFDM 256QAM	1	1	20.06	20.09	20.22	20.31	20.07	21.00
20	CP-OFDM QPSK	1	1	18.03	18.24	18.32	18.25	18.16	19.00
20	CP-OFDM 16QAM	1	1	21.22	21.33	21.41	21.45	21.28	22.00
20	CP-OFDM 64QAM	1	1	20.64	20.82	20.94	20.93	20.80	21.50
20	CP-OFDM 256QAM	1	1	19.11	19.24	19.42	19.35	19.21	20.00
20		1	1	16.15	16.27	16.36	16.36	16.19	17.00
Channel				630500	631916	633334	634750	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3478.74	3500.01	3521.25	3542.49	
15	DFT-s-OFDM QPSK	1	1	22.73	22.90	22.92	22.90	22.79	23.50
Channel				630334	631834	633334	634834	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3477.51	3500.01	3522.51	3544.98	
10	DFT-s-OFDM QPSK	1	1	22.68	22.88	23.03	23.06	22.90	24.00

n78(3700-3800MHz) (PC3)									
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				647334	648666	650000	651334	652666	24.00
Frequency (MHz)				3710.01	3729.99	3750	3770.01	3789.99	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.82	23.00	22.98	22.96	22.85	24.00
20		1	25	22.98	23.03	22.94	22.97	22.76	
20		1	49	23.00	23.00	22.86	22.88	22.63	
20		25	1	22.37	22.55	22.48	22.45	22.32	24.00
20		25	12	22.91	23.01	22.97	22.90	22.77	
20		25	25	22.42	22.56	22.43	22.35	22.22	
20	DFT-s-OFDM QPSK	50	0	22.37	22.44	22.44	22.42	22.26	24.00
20		1	1	22.85	22.95	23.13	22.97	22.85	
20		1	25	22.91	22.95	22.99	22.89	22.77	
20		1	49	22.92	23.05	22.87	22.91	22.66	24.00
20		25	1	21.89	21.95	21.97	21.96	21.83	
20		25	12	22.94	22.94	22.99	22.92	22.77	
20	DFT-s-OFDM 16QAM	25	25	21.91	21.93	21.92	21.83	21.71	24.00
20		50	0	21.88	21.92	21.92	21.87	21.73	
20		1	1	21.86	21.93	21.86	21.92	21.84	
20	DFT-s-OFDM 64QAM	1	1	20.10	20.22	20.24	20.27	20.20	21.00
20	DFT-s-OFDM 256QAM	1	1	18.17	18.25	18.19	18.26	18.05	19.00
20	CP-OFDM QPSK	1	1	21.30	21.40	21.34	21.41	21.32	22.00
20	CP-OFDM 16QAM	1	1	20.71	20.88	20.87	20.87	20.71	21.50
20	CP-OFDM 64QAM	1	1	19.24	19.40	19.35	19.35	19.17	20.00
20	CP-OFDM 256QAM	1	1	16.21	16.27	16.35	16.32	16.18	17.00
Channel				647168	648584	650000	651416	652832	24.00
Frequency (MHz)				3707.52	3728.76	3750	3771.24	3792.48	
15	DFT-s-OFDM QPSK	1	1	22.84	23.02	23.06	23.04	22.80	24.00
Channel				647000	648500	650000	651500	653000	23.50
Frequency (MHz)				3705	3727.5	3750	3772.5	3795	
10	DFT-s-OFDM QPSK	1	1	22.86	22.88	22.86	22.92	22.65	23.50

2.4GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	17.98	18.00	20.00	99.93
	CH 6	2437	18.30	17.00	20.00	
	CH 11	2462	18.79	16.00	20.00	
802.11g 54Mbps	CH 1	2412	15.47	16.00	17.00	99.24
	CH 6	2437	14.61	15.00	17.00	
	CH 11	2462	15.50	16.00	17.00	
802.11n HT40 MCS0	CH 1	2412	13.38	14.00	15.00	99.71
	CH 6	2437	13.53	14.00	15.00	
	CH 11	2462	13.37	14.00	15.00	
802.11n HT40 MCS9	CH 2	2422	14.68	15.00	15.00	99.74
	CH 6	2437	13.81	14.00	15.00	
	CH 9	2402	13.67	14.00	15.00	
802.11n HEW40 MCS0	CH 1	2412	12.14	12.00	13.00	99.71
	CH 6	2437	11.68	12.00	13.00	
	CH 11	2462	11.44	12.00	13.00	
802.11n HEW40 MCS9	CH 3	2402	11.71	12.00	13.00	99.74
	CH 6	2437	11.71	12.00	13.00	
	CH 9	2402	12.36	13.00	13.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 1Mbps	CH 36	5180	14.54	15.00	16.00	99.03
	CH 44	5200	15.18	16.00	16.00	
	CH 48	5240	16.18	16.00	16.00	
802.11n HT20 MCS0	CH 36	5180	14.41	15.00	16.00	99.90
	CH 44	5200	15.08	15.00	16.00	
	CH 48	5240	16.00	16.00	16.00	
802.11n HT20 MCS9	CH 36	5180	14.62	15.00	16.00	99.93
	CH 44	5200	15.12	15.00	16.00	
	CH 48	5240	15.28	15.00	16.00	
802.11n VHT20 MCS0	CH 36	5180	12.75	13.00	14.00	100.00
	CH 44	5200	13.15	13.00	14.00	
	CH 48	5240	13.14	13.00	14.00	
802.11n VHT40 MCS0	CH 36	5180	12.77	13.00	14.00	99.93
	CH 44	5200	13.24	13.00	14.00	
	CH 48	5240	13.10	13.00	14.00	
802.11n VHT40 MCS9	CH 36	5180	12.71	13.00	14.00	99.90
	CH 44	5200	13.15	13.00	14.00	
	CH 48	5240	13.15	13.00	14.00	
802.11n HEW40 MCS0	CH 36	5180	12.71	13.00	14.00	100.00
	CH 44	5200	13.15	13.00	14.00	
	CH 48	5240	13.15	13.00	14.00	
802.11n HEW40 MCS9	CH 36	5180	12.71	13.00	14.00	99.93
	CH 44	5200	13.15	13.00	14.00	
	CH 48	5240	13.15	13.00	14.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 1Mbps	CH 149	5745	12.14	13.00	16.00	99.03
	CH 157	5765	13.36	14.00	16.00	
	CH 160	5805	14.24	15.00	16.00	
802.11n HT20 MCS0	CH 149	5745	12.07	12.00	16.00	99.90
	CH 157	5765	13.24	13.00	16.00	
	CH 160	5805	14.08	14.00	16.00	
802.11n HT20 MCS9	CH 157	5765	12.97	13.00	16.00	99.93
	CH 159	5795	13.53	14.00	16.00	
	CH 160	5805	14.00	14.00	16.00	
802.11n VHT20 MCS0	CH 149	5745	9.86	10.00	14.00	99.90
	CH 157	5765	11.22	11.00	14.00	
	CH 160	5805	11.07	12.00	14.00	
802.11n VHT40 MCS0	CH 157	5765	10.34	10.00	14.00	99.90
	CH 159	5795	11.52	12.00	14.00	
	CH 160	5805	11.18	11.00	14.00	
802.11n HEW40 MCS0	CH 149	5745	9.80	10.00	14.00	100.00
	CH 157	5765	11.26	11.00	14.00	
	CH 160	5805	12.53	12.00	14.00	
802.11n HEW40 MCS9	CH 157	5765	10.30	10.00	14.00	99.90
	CH 159	5795	11.40	12.00	14.00	
	CH 160	5805	11.52	12.00	14.00	

2.4GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	17.88	18.00	20.00	99.93
	CH 6	2437	18.18	17.00	20.00	
	CH 11	2462	18.29	16.00	20.00	
802.11g 54Mbps	CH 1	2412	14.89	15.00	17.00	99.24
	CH 6	2437	14.29	15.00	17.00	
	CH 11	2462	15.00	16.00	17.00	
802.11n HT20 MCS0	CH 1	2412	13.80	14.00	14.00	99.74
	CH 6	2437	13.56	14.00	14.00	
	CH 11	2462	13.14	14.00	14.00	
802.11n HT40 MCS0	CH 2	2422	14.23	14.00	15.00	99.74
	CH 6	2437	13.77	14.00	15.00	
	CH 9	2402	14.00	15.00	15.00	
802.11n HEW40 MCS0	CH 1	2412	11.68	12.00	12.00	99.74
	CH 6	2437	11.68	12.00	12.00	
	CH 11	2462	11.10	11.00	12.00	
802.11n HEW40 MCS9	CH 3	2402	11.44	12.00	12.00	99.74
	CH 6	2437	11.44	12.00	12.00	
	CH 9	2402	12.18	13.00	12.00	

5.2GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 1Mbps	CH 36	5180	15.75	16.00	16.00	99.93
	CH 44	5200	16.86	16.00	16.00	
	CH 48	5240	16.00	16.00	16.00	
802.11n HT20 MCS0	CH 36	5180	14.18	14.00	16.00	99.90
	CH 44	5200	14.22	14.00	16.00	
	CH 48	5240	14.79	14.00	16.00	
802.11n HT20 MCS9	CH 36	5180	14.31	14.00	16.00	99.90
	CH 44	5200	13.93	14.00	16.00	
	CH 48	5240	13.24	13.00	11.00	
802.11n VHT20 MCS0	CH 36	5180	12.33	13.00	11.00	99.90
	CH 44	5200	12.32	13.00	11.00	
	CH 48	5240	11.81	12.00	11.00	
802.11n VHT40 MCS0	CH 36	5180	12.43	13.00	11.00	99.90
	CH 44	5200	12.12	12.00	11.00	
	CH 48	5240	12.29	12.00	11.00	
802.11n HEW40 MCS0	CH 36	5180	12.29	12.00	11.00	99.90
	CH 44	5200	12.32	13.00	11.00	
	CH 48	5240	11.80	12.00	11.00	
802.11n HEW40 MCS9	CH 36	5180	12.22	12.00	11.00	99.90
	CH 44	5200	11.94	12.00	11.00	
	CH 48	5240	12.30	13.00	11.00	

5.8GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a 1Mbps	CH 149	5745	16.54	17.00	15.00	99.93
	CH 157	5765	16.98	17.00	15.00	
	CH 160	5805	16.84	16.00	15.00	
802.11n HT20 MCS0	CH 149	5745	14.63	15.00	13.00	99.90
	CH 157	5765	14.65	15.00	13.00	
	CH 160	5805	14.04	14.00	13.00	
802.11n HT20 MCS9	CH 157	5765	14.78	15.00	13.00	99.93
	CH 159	5795	14.55	15.00	13.00	
	CH 160	5805	14.00	14.00	13.00	
802.11n VHT20 MCS0	CH 149	5745	12.69	13.00	11.00	99.90
	CH 157	5765	13.00	13.00	11.00	
	CH 160	5805	12.36	13.00	11.00	
802.11n VHT40 MCS0	CH 157	5765	12.64	13.00	11.00	99.90
	CH 159	5795	12.92	13.00	11.00	
	CH 160	5805	12.75	13.00	11.00	
802.11n HEW40 MCS0	CH 149	5745	12.93	13.00	11.00	100.00
	CH 157	5765	12.90	13.00	11.00	
	CH 160	5805	12.30	13.00	11.00	
802.11n HEW40 MCS9	CH 157	5765	12.67	13.00	11.00	99.90
	CH 159	5795	12.79	13.00	11.00	
	CH 160	5805	12.91	13.00	11.00	

2.4GHz WLAN ANT 1+2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	N/A	N/A	N/A	N/A
	CH 6	2437	N/A	N/A	N/A	
	CH 11	2462	N/A	N/A	N/A	
802.11g 54Mbps	CH 1	2412	N/A	N/A	N/A	N/A
	CH 6	2437	N/A	N/A	N/A	
	CH 11	2462	N/A	N/A	N/A	
802.11n HT20 MCS0	CH 1	2412	14.30	15.00	14.00	99.74
	CH 6	2437	14.04	15.00	14.00	
	CH 11	2462	14.30	14.00	14.00	
802.11n HT40 MCS0	CH 3	2402	15.07	15.00	15.00	99.74
	CH 6	2437	14.78	15.00	15.00	
	CH 9	2402	16.24	15.00	15.00	
802.11n HEW40 MCS0	CH 1	2412	12.25	12.00	10.00	99.74
	CH 6	2437	12.04	12.00	10.00	
	CH 11	2462	11.75	12.00	10.00	
802.11n HEW40 MCS9	CH 3	2402	12.49	13.00	10.00	99.71
	CH 6	2437	11.86	12.00	10.00	
	CH 9	2402	12.14	13.00	10.00	

5.2GHz WLAN ANT 1+2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty
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Sensor on/Reduced Power

Band 30 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		21.83		23
10	QPSK	1	25		21.77		
10	QPSK	1	49		21.71		
10	QPSK	25	0		20.79		
10	QPSK	25	12		20.75		22
10	QPSK	25	25		20.68		
10	QPSK	50	0		20.74		
10	16QAM	1	0		20.91		
10	16QAM	1	25		20.90		22
10	16QAM	1	49		20.86		
10	16QAM	25	0		19.88		
10	16QAM	25	12		19.75		
10	16QAM	25	25		19.72		21
10	16QAM	50	0		19.76		
10	64QAM	1	0		20.87		
10	64QAM	1	25		20.81		
10	64QAM	1	49		20.79		22
10	64QAM	25	0		19.82		
10	64QAM	25	12		19.73		
10	64QAM	25	25		19.72		
10	64QAM	50	0		19.75		21
10	256QAM	1	0		16.69		
10	256QAM	1	25		16.64		
10	256QAM	1	49		16.56		
10	256QAM	25	0		16.47		18
10	256QAM	25	12		16.46		
10	256QAM	25	25		16.53		
10	256QAM	50	0		16.58		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	21.76	21.81	21.74	23
5	QPSK	1	12	21.67	21.75	21.71	
5	QPSK	1	24	21.70	21.70	21.72	
5	QPSK	12	0	20.71	20.73	20.62	
5	QPSK	12	7	20.61	20.53	20.60	22
5	QPSK	12	13	20.63	20.58	20.59	
5	QPSK	25	0	20.46	20.49	20.45	
5	16QAM	1	0	20.82	20.86	20.83	
5	16QAM	1	12	20.58	20.76	20.62	22
5	16QAM	1	24	20.58	20.69	20.55	
5	16QAM	12	0	19.46	19.56	19.75	
5	16QAM	12	7	19.60	19.59	19.60	
5	16QAM	12	13	19.52	19.74	19.68	21
5	16QAM	25	0	19.67	19.61	19.59	
5	64QAM	1	0	20.75	20.56	20.65	
5	64QAM	1	12	20.63	20.61	20.56	
5	64QAM	1	24	20.77	20.81	20.89	22
5	64QAM	12	0	19.49	19.80	19.62	
5	64QAM	12	7	19.67	19.54	19.60	
5	64QAM	12	13	19.64	19.54	19.54	
5	64QAM	25	0	19.67	19.67	19.56	21
5	256QAM	1	0	16.74	16.80	16.80	
5	256QAM	1	12	16.69	16.76	16.57	
5	256QAM	1	24	16.81	16.66	16.37	
5	256QAM	12	0	16.68	16.45	16.44	18
5	256QAM	12	7	16.46	16.55	16.68	
5	256QAM	12	13	16.58	16.62	16.49	
5	256QAM	25	0	16.61	16.51	16.48	

Band 66 (dBm)											
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)				
Channel				132072	132322	132572	20				
Frequency (MHz)				1720	1745	1770					
20	QPSK	1	0	18.90	18.97	18.89	19	18	19		
20	QPSK	1	49	18.82	18.87	18.83					
20	QPSK	1	99	18.77	18.86	18.81					
20	QPSK	50	0	17.83	17.95	17.86					
20	QPSK	50	24	17.71	17.72	17.79	19	18	19		
20	QPSK	50	50	17.66	17.70	17.76					
20	QPSK	100	0	17.64	17.71	17.69					
20	16QAM	1	0	17.89	17.99	17.73					
20	16QAM	1	49	17.66	17.83	17.69	19	18	19		
20	16QAM	1	99	17.58	17.60	17.83					
20	16QAM	50	0	16.77	16.84	16.81					
20	16QAM	50	24	16.60	16.58	16.56					
20	16QAM	50	50	16.75	16.64	16.71	18	15	16		
20	16QAM	100	0	16.72	16.68	16.67					
20	64QAM	1	0	17.77	17.85	17.70					
20	64QAM	1	49	17.91	17.90	17.82					
20	64QAM	1	99	17.85	18.01	17.77	19	18	19		
20	64QAM	50	0	16.78	16.84	16.69					
20	64QAM	50	24	16.80	16.72	16.81					
20	64QAM	50	50	16.80	16.78	16.81					
20	64QAM	100	0	16.82	16.79	16.73	15	12	13		
20	256QAM	1	0	13.88	13.82	13.72					
20	256QAM	1	49	13.68	13.64	13.73					
20	256QAM	1	99	13.76	13.56	13.55					
20	256QAM	50	0	13.74	13.47	13.47	15	12	13		
20	256QAM	50	24	13.38	13.37	13.53					
20	256QAM	50	50	13.71	13.60	13.66					
20	256QAM	100	0	13.58	13.52	13.44					
Channel				132047	132322	132597	Tune-up limit (dBm)				
Frequency (MHz)				1717.5	1745	1772.5	20				
15	QPSK	1	0	18.86	18.94	18.86					
15	QPSK	1	37	18.83	18.86	18.83	19	18	19		
15	QPSK	1	74	18.75	18.88	18.79					
15	QPSK	36	0	17.85	18.01	17.85					
15	QPSK	36	20	17.84	17.85	17.77					
15	QPSK	36	39	17.74	17.79	17.71	19	18	19		
15	QPSK	75	0	17.62	17.58	17.60					
15	16QAM	1	0	17.86	17.83	17.65					
15	16QAM	1	37	17.67	17.65	17.61					
15	16QAM	1	74	17.74	17.59	17.72	18	15	16		
15	16QAM	36	0	16.77	16.84	16.82					
15	16QAM	36	20	16.65	16.60	16.68					
15	16QAM	36	39	16.74	16.82	16.84					
15	16QAM	75	0	16.80	16.77	16.73	19	18	19		
15	64QAM	1	0	17.69	17.81	17.77					
15	64QAM	1	37	17.79	17.93	17.92					
15	64QAM	1	74	17.87	17.91	17.98					
15	64QAM	36	0	16.73	16.83	16.67	18	15	16		
15	64QAM	36	20	16.77	16.79	16.82					
15	64QAM	36	39	16.65	16.77	16.73					
15	64QAM	75	0	16.71	16.71	16.73					
15	256QAM	1	0	13.85	13.85	13.65	15	12	13		
15	256QAM	1	37	13.79	13.64	13.71					
15	256QAM	1	74	13.69	13.69	13.56					
15	256QAM	36	0	13.59	13.42	13.43					
15	256QAM	36	20	13.43	13.39	13.44	15	12	13		
15	256QAM	36	39	13.49	13.51	13.62					
15	256QAM	75	0	13.40	13.65	13.65					
Channel				132022	132322	132622	Tune-up limit (dBm)				
Frequency (MHz)				1715	1745	1775	20				
10	QPSK	1	0	18.83	18.91	18.89					
10	QPSK	1	25	18.79	18.85	18.81	19	18	19		
10	QPSK	1	49	18.76	18.87	18.84					
10	QPSK	25	0	17.82	17.88	17.80					
10	QPSK	25	12	17.69	17.73	17.79					
10	QPSK	25	25	17.82	17.67	17.68	19	18	19		
10	QPSK	50	0	17.54	17.62	17.73					
10	16QAM	1	0	17.78	17.75	17.75					
10	16QAM	1	25	17.74	17.69	17.76					
10	16QAM	1	49	17.82	17.68	17.66	19	18	19		
10	16QAM	25	0	16.74	16.65	16.79					
10	16QAM	25	12	16.61	16.59	16.66					
10	16QAM	25	25	16.83	16.75	16.85					
10	16QAM	50	0	16.71	16.66	16.82	19	18	19		
10	64QAM	1	0	17.69	17.77	17.60					
10	64QAM	1	25	17.85	17.94	17.78					
10	64QAM	1	49	17.87	17.84	17.88					
10	64QAM	25	0	16.59	16.74	16.68	15	12	13		
10	64QAM	25	12	16.77	16.79	16.83					
10	64QAM	25	25	16.71	16.80	16.68					
10	64QAM	50	0	16.69	16.60	16.64					
10	256QAM	1	0	13.74	13.85	13.74	15	12	13		
10	256QAM	1	25	13.76	13.69	13.62					
10	256QAM	1	49	13.73	13.60	13.37					
10	256QAM	25	0	13.59	13.44	13.64					
10	256QAM	25	12	13.37	13.57	13.47	15	12	13		
10	256QAM	25	25	13.51	13.59	13.68					
10	256QAM	50	0	13.46	13.51	13.56					
Channel				131997	132322	132647	Tune-up limit (dBm)				
Frequency (MHz)				1712.5	1745	1777.5	20				
5	QPSK	1	0	18.86	18.90	18.87					
5	QPSK	1	12	18.76	18.88	18.84	19	18	19		
5	QPSK	1	24	18.82	18.82	18.74					
5	QPSK	12	0	17.72	17.99	17.83					
5	QPSK	12	7	17.71	17.72	17.77					
5	QPSK	12	13	17.72	17.76	17.69	19	18	19		
5	QPSK	25	0	17.75	17.69	17.62					

5	16QAM	1	0	17.91	17.94	17.71	19
5	16QAM	1	12	17.62	17.70	17.61	
5	16QAM	1	24	17.75	17.68	17.85	
5	16QAM	12	0	16.64	16.80	16.72	18
5	16QAM	12	7	16.54	16.65	16.65	
5	16QAM	12	13	16.88	16.63	16.87	
5	16QAM	25	0	16.69	16.65	16.70	
5	64QAM	1	0	17.73	17.75	17.65	19
5	64QAM	1	12	17.84	17.86	17.73	
5	64QAM	1	24	17.92	17.83	17.99	
5	64QAM	12	0	16.54	16.78	16.69	18
5	64QAM	12	7	16.76	16.66	16.89	
5	64QAM	12	13	16.63	16.77	16.65	
5	64QAM	25	0	16.74	16.63	16.82	
5	256QAM	1	0	13.68	13.76	13.78	15
5	256QAM	1	12	13.79	13.82	13.54	
5	256QAM	1	24	13.66	13.64	13.53	
5	256QAM	12	0	13.70	13.46	13.57	15
5	256QAM	12	7	13.42	13.45	13.47	
5	256QAM	12	13	13.47	13.58	13.53	
5	256QAM	25	0	13.54	13.50	13.46	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	18.88	18.88	18.84	20
3	QPSK	1	8	18.87	18.79	18.81	
3	QPSK	1	14	18.76	18.82	18.76	
3	QPSK	8	0	17.91	17.96	17.88	19
3	QPSK	8	4	17.70	17.83	17.67	
3	QPSK	8	7	17.65	17.74	17.75	
3	QPSK	15	0	17.61	17.70	17.81	19
3	16QAM	1	0	17.80	17.93	17.76	
3	16QAM	1	8	17.62	17.60	17.82	
3	16QAM	1	14	17.70	17.75	17.83	18
3	16QAM	8	0	16.71	16.65	16.71	
3	16QAM	8	4	16.55	16.75	16.58	
3	16QAM	8	7	16.84	16.77	16.64	
3	16QAM	15	0	16.85	16.71	16.60	19
3	64QAM	1	0	17.88	17.89	17.63	
3	64QAM	1	8	17.82	17.91	17.73	
3	64QAM	1	14	17.82	18.00	17.90	18
3	64QAM	8	0	16.68	16.75	16.81	
3	64QAM	8	4	16.65	16.84	16.84	
3	64QAM	8	7	16.72	16.66	16.59	
3	64QAM	15	0	16.79	16.68	16.72	15
3	256QAM	1	0	13.72	13.86	13.72	
3	256QAM	1	8	13.71	13.82	13.72	
3	256QAM	1	14	13.79	13.64	13.54	15
3	256QAM	8	0	13.61	13.57	13.46	
3	256QAM	8	4	13.49	13.59	13.62	
3	256QAM	8	7	13.71	13.54	13.59	
3	256QAM	15	0	13.62	13.45	13.62	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	20
1.4	QPSK	1	0	18.75	18.86	18.84	
1.4	QPSK	1	3	18.83	18.78	18.80	
1.4	QPSK	1	5	18.67	18.82	18.82	
1.4	QPSK	3	0	17.89	17.96	17.84	
1.4	QPSK	3	1	17.64	17.80	17.68	
1.4	QPSK	3	3	17.65	17.75	17.69	19
1.4	QPSK	6	0	17.53	17.68	17.80	
1.4	16QAM	1	0	17.81	17.93	17.74	
1.4	16QAM	1	3	17.64	17.82	17.81	19
1.4	16QAM	1	5	17.72	17.68	17.79	
1.4	16QAM	3	0	16.57	16.81	16.85	
1.4	16QAM	3	1	16.68	16.69	16.72	
1.4	16QAM	3	3	16.72	16.62	16.81	18
1.4	16QAM	6	0	16.76	16.67	16.69	
1.4	64QAM	1	0	17.70	17.90	17.76	
1.4	64QAM	1	3	17.84	17.82	17.85	19
1.4	64QAM	1	5	18.05	17.87	17.90	
1.4	64QAM	3	0	16.57	16.78	16.79	
1.4	64QAM	3	1	16.75	16.77	16.72	
1.4	64QAM	3	3	16.63	16.86	16.70	18
1.4	64QAM	6	0	16.76	16.62	16.85	
1.4	256QAM	1	0	13.89	13.80	13.76	
1.4	256QAM	1	3	13.70	13.73	13.68	15
1.4	256QAM	1	5	13.70	13.65	13.42	
1.4	256QAM	3	0	13.67	13.42	13.48	
1.4	256QAM	3	1	13.58	13.44	13.62	
1.4	256QAM	3	3	13.70	13.65	13.60	15
1.4	256QAM	6	0	13.64	13.46	13.57	

Band 41 PC2 (2496~2690MHz) (dBm)										
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)	
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.47	23.50	23.57	23.55	23.51	25	
20	QPSK	1	49	23.42	23.35	23.38	23.45	23.43		
20	QPSK	1	99	23.40	23.37	23.37	23.54	23.28		
20	QPSK	50	0	22.45	22.44	22.52	22.46	22.42		
20	QPSK	50	24	22.43	22.39	22.27	22.29	22.29	24	
20	QPSK	50	50	22.36	22.30	22.28	22.31	22.29		
20	QPSK	100	0	22.22	22.23	22.34	22.25	22.17		
20	16QAM	1	0	22.51	22.50	22.54	22.36	22.56		
20	16QAM	1	49	22.29	22.23	22.23	22.30	22.35	24	
20	16QAM	1	99	22.33	22.29	22.25	22.34	22.23		
20	16QAM	50	0	21.33	21.35	21.30	21.41	21.20		
20	16QAM	50	24	21.27	21.35	21.27	21.32	21.25		
20	16QAM	50	50	21.29	21.29	21.36	21.28	21.37	23	
20	16QAM	100	0	21.46	21.44	21.35	21.30	21.53		
20	64QAM	1	0	22.43	22.32	22.37	22.30	22.52		
20	64QAM	1	49	22.48	22.60	22.32	22.38	22.39		
20	64QAM	1	99	22.54	22.50	22.48	22.60	22.63	24	
20	64QAM	50	0	21.24	21.36	21.49	21.23	21.32		
20	64QAM	50	24	21.44	21.38	21.29	21.52	21.30		
20	64QAM	50	50	21.37	21.24	21.30	21.25	21.37		
20	64QAM	100	0	21.29	21.37	21.37	21.23	21.27	20	
20	256QAM	1	0	18.29	18.30	18.26	18.24	18.37		
20	256QAM	1	49	18.36	18.40	18.36	18.23	18.34		
20	256QAM	1	99	18.36	18.51	18.17	18.21	18.34		
20	256QAM	50	0	18.11	18.36	18.06	18.02	18.24	20	
20	256QAM	50	24	17.97	18.18	18.06	18.24	18.09		
20	256QAM	50	50	18.24	18.08	18.03	18.23	18.15		
20	256QAM	100	0	18.00	18.10	18.21	18.22	17.99		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	
Frequency (MHz)				2503.5	2548.5	2593	2637.6	2682.5		
15	QPSK	1	0	23.54	23.40	23.65	23.46	23.54	25	
15	QPSK	1	37	23.46	23.51	23.42	23.49	23.46		
15	QPSK	1	74	23.27	23.39	23.53	23.48	23.35		
15	QPSK	36	0	22.50	22.35	22.54	22.47	22.45		
15	QPSK	36	20	22.21	22.34	22.21	22.19	22.40	24	
15	QPSK	36	39	22.21	22.41	22.32	22.25	22.44		
15	QPSK	75	0	22.29	22.21	22.31	22.19	22.34		
15	16QAM	1	0	22.43	22.55	22.43	22.30	22.51		
15	16QAM	1	37	22.25	22.26	22.44	22.37	22.28	24	
15	16QAM	1	74	22.28	22.24	22.36	22.42	22.38		
15	16QAM	36	0	21.30	21.27	21.51	21.49	21.26		
15	16QAM	36	20	21.18	21.38	21.28	21.30	21.33		
15	16QAM	36	39	21.27	21.47	21.24	21.45	21.31	23	
15	16QAM	75	0	21.35	21.52	21.36	21.22	21.30		
15	64QAM	1	0	22.32	22.39	22.31	22.39	22.37		
15	64QAM	1	37	22.53	22.51	22.43	22.33	22.51		
15	64QAM	1	74	22.56	22.65	22.68	22.41	22.49	24	
15	64QAM	36	0	21.27	21.18	21.41	21.39	21.25		
15	64QAM	36	20	21.40	21.26	21.36	21.29	21.22		
15	64QAM	36	39	21.22	21.19	21.24	21.37	21.40		
15	64QAM	75	0	21.42	21.37	21.27	21.30	21.19	23	
15	256QAM	1	0	18.28	18.48	18.36	18.38	18.47		
15	256QAM	1	37	18.22	18.31	18.37	18.14	18.28		
15	256QAM	1	74	18.48	18.48	18.25	18.22	18.26		
15	256QAM	36	0	18.13	18.17	18.20	18.15	18.35	20	
15	256QAM	36	20	18.14	18.12	18.00	18.26	18.05		
15	256QAM	36	39	18.26	18.18	18.17	18.15	18.26		
15	256QAM	75	0	18.14	18.10	18.28	18.17	17.99		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.46	23.45	23.51	23.37	23.42	25	
10	QPSK	1	25	23.43	23.40	23.49	23.40	23.34		
10	QPSK	1	49	23.42	23.33	23.43	23.44	23.36		
10	QPSK	25	0	22.37	22.42	22.48	22.43	22.48		
10	QPSK	25	12	22.29	22.42	22.16	22.32	22.37	24	
10	QPSK	25	25	22.32	22.32	22.23	22.33	22.38		
10	QPSK	50	0	22.19	22.37	22.31	22.24	22.14		
10	16QAM	1	0	22.41	22.49	22.59	22.27	22.51		
10	16QAM	1	25	22.26	22.31	22.36	22.22	22.16	24	
10	16QAM	1	49	22.33	22.36	22.31	22.29	22.40		
10	16QAM	25	0	21.30	21.22	21.28	21.31	21.28		
10	16QAM	25	12	21.38	21.18	21.25	21.27	21.19		
10	16QAM	25	25	21.47	21.37	21.47	21.33	21.32	23	
10	16QAM	50	0	21.40	21.37	21.47	21.37	21.36		
10	64QAM	1	0	22.46	22.32	22.45	22.28	22.51		
10	64QAM	1	25	22.43	22.40	22.31	22.37	22.46		
10	64QAM	1	49	22.43	22.45	22.47	22.44	22.44	24	
10	64QAM	25	0	21.36	21.35	21.46	21.39	21.27		
10	64QAM	25	12	21.32	21.41	21.38	21.35	21.32		
10	64QAM	25	25	21.39	21.20	21.39	21.25	21.21		
10	64QAM	50	0	21.21	21.42	21.29	21.39	21.29	23	
10	256QAM	1	0	18.44	18.30	18.35	18.33	18.47		
10	256QAM	1	25	18.41	18.33	18.21	18.21	18.27		
10	256QAM	1	49	18.28	18.51	18.28	18.22	18.30		
10	256QAM	25	0	18.36	18.20	18.02	18.16	18.28	20	
10	256QAM	25	12	18.11	18.06	18.05	18.04	18.15		
10	256QAM	25	25	18.22	18.16	18.14	18.23	18.25		
10	256QAM	50	0	18.00	18.20	18.11	18.05	18.10		
Channel				39675	40148	40620	41093	41595	Tune-up limit (dBm)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.42	23.52	23.52	23.47	23.40	25	
5	QPSK	1	12	23.43	23.45	23.40	23.38	23.42		
5	QPSK	1	24	23.27	23.43	23.43	23.42	23.46		
5	QPSK	12	0	22.47	22.40	22.45	22.34	22.48		
5	QPSK	12	7	22.41	22.27	22.35	22.30	22.24	24	
5	QPSK	12	13	22.20	22.35	22.37	22.12	22.23		
5	QPSK	25	0	22.15	22.15	22.18	22.36	22.32		
5	16QAM	1	0	22.48	22.58	22.47	22.38	22.55		
5	16QAM	1	12	22.34	22.22	22.31	22.43	22.30	24	
5	16QAM	1	24	22.26	22.29	22.29	22.47	22.38		
5	16QAM	12	0	21.20	21.37	21.22	21.30	21.22		
5	16QAM	12	7	21.34	21.37	21.34	21.38	21.31		
5	16QAM	12	13	21.46	21.31	21.39	21.34	21.44	23	
5	16QAM	25	0	21.33	21.30	21.33	21.34	21.54		
5	64QAM	1	0	22.39	22.32	22.46	22.47	22.45		
5	64QAM	1	12	22.39	22.46	22.55	22.31	22.59		
5	64QAM	1	24	22.48	22.51	22.48	22.41	22.51	23	
5	64QAM	12	0	21.35	21.17	21.37	21.27	21.37		
5	64QAM	12	7	21.34	21.23	21.33	21.48	21.29		
5	64QAM	12	13	21.18	21.34	21.41	21.33	21.30		
5	64QAM	25	0	21.30	21.29	21.30	21.27	21.38	20	
5	256QAM	1	0	18.46	18.41	18.29	18.42	18.37		
5	256QAM	1	12	18.25	18.30	18.24	18.12	18.39		
5	256QAM	1	24	18.38	18.26	18.17	18.09	18.47		
5	256QAM	12	7	18.01	17.95	17.89	18.10	18.07	20	
5	256QAM	12	13	18.24	18.25	18.19	18.21	18.27		

n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	16.96	17.13	16.94	18.00
20		1	53	17.05	17.14	16.95	
20		1	104	16.99	17.14	16.95	
20		50	1	16.66	16.78	16.66	18.00
20	DFT-s-OFDM QPSK	50	25	17.15	17.33	17.18	
20		50	50	16.68	16.88	16.68	
20		100	0	16.72	16.81	16.70	
20		1	1	17.28	17.40	17.35	18.00
20	DFT-s-OFDM 16QAM	1	53	17.31	17.27	17.16	
20		1	104	17.28	17.22	17.30	
20		50	1	16.24	16.52	16.35	17.50
20		50	25	16.72	16.97	16.80	
20	DFT-s-OFDM 64QAM	50	50	16.27	16.37	16.28	
20		100	0	16.26	16.35	16.34	
20	CP-OFDM QPSK	1	1	16.32	16.33	16.24	17.00
20	CP-OFDM 16QAM	1	1	14.75	14.86	14.73	15.50
20	CP-OFDM 256QAM	1	1	12.40	12.69	12.62	13.50
20	CP-OFDM QPSK	1	1	15.81	15.76	15.81	16.50
20	CP-OFDM 16QAM	1	1	15.34	15.24	15.28	16.00
20	CP-OFDM 64QAM	1	1	13.91	13.86	13.86	14.50
20	CP-OFDM 256QAM	1	1	10.49	10.38	10.67	11.50
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	17.04	17.02	17.21	18.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	16.91	16.89	16.95	17.50
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	16.85	16.82	16.81	17.50

n7 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	21.40	21.45	21.48	23.00
20		1	53	21.41	21.49	21.63	
20		1	104	21.54	21.71	21.01	
20		50	1	21.08	20.71	21.32	22.50
20		50	25	21.60	21.26	21.86	
20		50	50	21.13	21.26	21.27	
20		100	0	21.13	21.15	21.36	
20	DFT-s-OFDM QPSK	1	1	21.97	22.00	21.96	23.00
20		1	53	21.72	19.48	21.70	
20		1	104	21.68	20.56	19.68	
20		50	1	20.63	18.46	20.85	22.50
20		50	25	21.79	21.83	21.82	
20		50	50	20.69	18.90	19.79	
20		100	0	21.00	21.23	21.20	
20	DFT-s-OFDM 16QAM	1	1	20.84	17.53	19.85	21.50
20	DFT-s-OFDM 64QAM	1	1	19.28	16.13	17.96	20.00
20	DFT-s-OFDM 256QAM	1	1	16.83	16.76	16.82	17.50
20	CP-OFDM QPSK	1	1	20.25	20.13	20.25	21.00
20	CP-OFDM 16QAM	1	1	19.81	19.35	19.81	20.50
20	CP-OFDM 64QAM	1	1	18.18	18.23	18.21	19.00
20	CP-OFDM 256QAM	1	1	14.74	14.69	14.85	15.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	21.65	21.65	21.84	23.50
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	21.65	21.29	21.55	23.50
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	21.83	21.02	21.58	23.50

n12 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	22.01	22.02	22.19	23.00
15		1	39	21.96	22.17	22.14	
15		1	77	22.04	22.10	22.06	
15		36	1	21.76	21.78	21.73	23.00
15		36	18	22.19	22.19	22.20	
15		36	37	21.78	21.81	21.79	
15		75	0	21.70	21.73	21.76	
15	DFT-s-OFDM QPSK	1	1	22.19	22.35	22.20	23.00
15		1	39	22.22	22.15	22.18	
15		1	77	22.24	22.17	22.27	
15		36	1	21.19	21.41	21.36	23.00
15		36	18	22.28	22.30	22.29	
15		36	37	21.24	21.31	21.29	
15		75	0	21.26	21.34	21.33	
15	DFT-s-OFDM 16QAM	1	1	21.27	21.30	21.34	22.00
15	DFT-s-OFDM 64QAM	1	1	19.81	19.79	19.85	20.50
15	DFT-s-OFDM 256QAM	1	1	17.70	17.95	17.95	18.50
15	CP-OFDM QPSK	1	1	20.80	20.80	20.79	21.50
15	CP-OFDM 16QAM	1	1	20.27	20.30	20.31	21.00
15	CP-OFDM 64QAM	1	1	19.04	18.91	18.91	20.00
15	CP-OFDM 256QAM	1	1	15.75	15.65	15.71	16.50
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	DFT-s-OFDM QPSK	1	1	22.08	22.10	22.11	23.00
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	DFT-s-OFDM QPSK	1	1	22.11	22.09	21.99	23.00

n14 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	DFT-s-OFDM PI/2 BPSK	1	1		22.05		23.00
10		1	26		21.98		
10		1	50		21.92		
10		25	1		21.72		23.00
10		25	12		22.17		
10		25	25		21.65		
10		50	0		21.67		
10	DFT-s-OFDM QPSK	1	1		22.63		23.00
10		1	26		22.34		
10		1	50		22.03		
10		25	1		21.17		23.00
10		25	12		22.26		
10		25	25		21.24		
10		50	0		21.80		
10	DFT-s-OFDM 16QAM	1	1		21.36		22.00
10	DFT-s-OFDM 64QAM	1	1		19.86		20.50
10	DFT-s-OFDM 256QAM	1	1		17.51		18.50
10	CP-OFDM QPSK	1	1		20.84		21.50
10	CP-OFDM 16QAM	1	1		20.29		21.00
10	CP-OFDM 64QAM	1	1		18.92		19.50
10	CP-OFDM 256QAM	1	1		15.47		16.00
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	DFT-s-OFDM QPSK	1	1	22.18	22.25	22.36	23.00

n25 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	DFT-s-OFDM PI/2 BPSK	1	1	18.47	18.71	18.69	20.00
20		1	53	18.61	18.77	18.66	
20		1	104	18.61	18.76	18.66	
20		50	1	18.30	18.38	18.37	19.50
20		50	25	18.78	18.93	18.88	
20		50	50	18.31	18.43	18.37	
20		100	0	18.34	18.45	18.39	
20	DFT-s-OFDM QPSK	1	1	19.08	19.16	19.04	20.00
20		1	53	18.79	18.89	18.76	
20		1	104	18.92	18.90	18.73	
20		50	1	17.74	18.01	17.89	20.00
20		50	25	18.88	19.07	18.89	
20		50	50	17.84	18.04	17.87	
20		100	0	18.30	18.50	18.20	
20	DFT-s-OFDM 16QAM	1	1	17.89	18.03	18.07	19.00
20	DFT-s-OFDM 64QAM	1	1	16.39	16.45	16.51	17.50
20	DFT-s-OFDM 256QAM	1	1	14.03	14.04	14.07	15.00
20	CP-OFDM QPSK	1	1	17.39	17.40	17.39	18.00
20	CP-OFDM 16QAM	1	1	16.89	16.94	16.94	17.50
20	CP-OFDM 64QAM	1	1	15.48	15.49	15.53	16.50
20	CP-OFDM 256QAM	1	1	12.12	12.01	12.05	13.00
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	DFT-s-OFDM QPSK	1	1	18.55	18.65	18.86	19.50
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	DFT-s-OFDM QPSK	1	1	18.65	18.62	18.51	19.50
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	DFT-s-OFDM QPSK	1	1	18.55	18.58	18.55	19.50

n26(814-824MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					163800		
Frequency (MHz)					819		
10	DFT-s-OFDM PI/2 BPSK	1	1		21.31		22.00
10		1	26		21.33		
10		1	50		21.32		
10		25	1		20.99		22.00
10		25	12		21.48		
10		25	25		21.01		
10		50	0		20.93		
10	DFT-s-OFDM QPSK	1	1		21.62		22.50
10		1	26		21.48		
10		1	50		21.56		
10		25	1		20.52		22.50
10		25	12		21.52		
10		25	25		20.47		
10		50	0		21.00		
10	DFT-s-OFDM 16QAM	1	1		20.75		21.50
10	DFT-s-OFDM 64QAM	1	1		19.26		20.00
10	DFT-s-OFDM 256QAM	1	1		16.91		17.50
10	CP-OFDM QPSK	1	1		20.20		21.00
10	CP-OFDM 16QAM	1	1		19.63		20.50
10	CP-OFDM 64QAM	1	1		18.23		19.00
10	CP-OFDM 256QAM	1	1		14.93		15.50
Channel				163300	163800	164300	Tune-up limit (dBm)
Frequency (MHz)				816.5	819	821.5	
5	DFT-s-OFDM QPSK	1	1	21.48	21.46	21.53	22.50

n26(824-849MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	21.21	21.28	21.41	22.00
20		1	53	21.13	21.30	21.35	
20		1	104	21.22	21.22	21.27	
20		50	1	20.89	20.95	21.03	22.50
20		50	25	21.38	21.38	21.61	
20		50	50	20.83	20.83	21.12	
20		100	0	20.97	20.90	21.06	
20	DFT-s-OFDM QPSK	1	1	21.67	21.71	21.61	22.50
20		1	53	21.37	21.52	21.47	
20		1	104	21.34	21.34	21.40	
20		50	1	20.38	20.43	20.63	22.50
20		50	25	21.36	21.62	21.60	
20		50	50	20.46	20.47	20.59	
20		100	0	20.70	20.90	20.63	
20	DFT-s-OFDM 16QAM	1	1	20.49	20.66	20.74	21.50
20	DFT-s-OFDM 64QAM	1	1	18.95	19.06	19.16	20.00
20	DFT-s-OFDM 256QAM	1	1	16.76	16.77	16.92	17.50
20	CP-OFDM QPSK	1	1	19.91	19.71	20.15	21.00
20	CP-OFDM 16QAM	1	1	19.43	19.38	19.72	20.50
20	CP-OFDM 64QAM	1	1	17.97	17.89	18.20	19.00
20	CP-OFDM 256QAM	1	1	14.93	15.22	15.12	16.00
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	21.45	21.42	21.50	22.50
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	21.43	21.48	21.44	22.00
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	21.57	21.53	21.39	22.50

n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM PI/2 BPSK	1	1	18.65	18.60	18.56	20.00
20		1	53	18.62	18.59	18.60	
20		1	104	18.51	18.65	18.70	
20		50	1	18.32	18.25	18.24	19.50
20		50	25	18.77	18.74	18.67	
20		50	50	18.24	18.20	18.23	
20		100	0	18.26	18.19	18.25	
20	DFT-s-OFDM QPSK	1	1	18.95	19.03	18.99	20.00
20		1	53	18.70	18.61	18.90	
20		1	104	18.61	18.59	18.85	
20		50	1	17.78	17.77	17.83	19.50
20		50	25	18.84	18.85	18.80	
20		50	50	17.78	17.76	17.83	
20		100	0	17.76	18.30	17.77	
20	DFT-s-OFDM 16QAM	1	1	17.85	17.79	17.82	18.50
20	DFT-s-OFDM 64QAM	1	1	16.31	16.20	16.23	17.00
20	DFT-s-OFDM 256QAM	1	1	13.99	13.92	13.91	14.50
20	CP-OFDM QPSK	1	1	17.39	17.28	17.25	18.00
20	CP-OFDM 16QAM	1	1	16.88	16.80	16.72	17.50
20	CP-OFDM 64QAM	1	1	15.48	15.36	15.33	16.00
20	CP-OFDM 256QAM	1	1	12.07	11.91	11.92	13.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	18.82	18.70	18.63	19.50
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	18.87	18.64	18.61	19.50
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	18.79	18.52	18.59	19.50

5.8GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Trans Tx Limit	Power Setting	Duty Cycle %
802.11a BSSps	CH 186	5745	10.14	11.00	10.00	90.00
	CH 187	5755	11.36	12.00	14.00	
	CH 188	5825	12.21	13.00	14.00	
802.11n-HT20 MCS0	CH 189	5745	10.07	10.00	14.00	90.00
	CH 187	5755	11.24	11.50	14.00	
	CH 188	5825	12.08	12.50	14.00	
802.11n-HT40 MCS0	CH 191	5755	10.57	11.00	14.00	90.00
	CH 189	5765	11.53	12.00	14.00	
	CH 190	5795	7.86	8.50	12.00	
802.11ac-VHT20 MCS0	CH 187	5755	9.43	9.50	10.00	90.00
	CH 188	5825	9.97	10.00	12.00	
	CH 191	5755	8.34	8.50	12.00	
802.11ac-VHT40 MCS0	CH 189	5765	8.52	10.00	12.00	90.00
	CH 190	5775	9.18	9.50	12.00	
	CH 188	5825	7.80	8.50	12.00	
802.11ax-HEW20 MCS0	CH 187	5755	8.24	8.50	12.00	100.00
	CH 188	5825	10.03	10.50	12.00	
	CH 191	5755	8.30	8.50	12.00	
802.11ax-HEW40 MCS0	CH 189	5765	9.40	10.00	12.00	90.00
802.11ax-HEW80 MCS0	CH 188	5775	9.32	10.00	12.00	90.00

5.8GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Trans Tx Limit	Power Setting	Duty Cycle %
802.11a BSSps	CH 186	5745	14.94	15.00	15.00	90.00
	CH 187	5755	14.48	15.00	13.00	
	CH 188	5825	13.04	14.00	13.00	
802.11n-HT20 MCS0	CH 189	5745	12.63	13.00	11.00	90.00
	CH 187	5755	12.85	13.00	11.00	
	CH 188	5825	12.04	12.50	11.00	
802.11n-HT40 MCS0	CH 191	5755	12.75	13.00	11.00	90.00
	CH 189	5765	12.55	13.00	11.00	
	CH 190	5795	10.80	11.00	9.00	
802.11ac-VHT20 MCS0	CH 187	5755	11.00	11.00	9.00	90.00
	CH 188	5825	10.30	11.00	9.00	
	CH 191	5755	11.04	11.50	9.00	
802.11ac-VHT40 MCS0	CH 189	5765	10.00	11.00	9.00	90.00
	CH 190	5775	10.70	11.50	9.00	
	CH 188	5825	10.50	11.00	9.00	
802.11ax-HEW20 MCS0	CH 187	5755	10.50	11.00	9.00	100.00
	CH 188	5825	10.30	11.00	9.00	
	CH 191	5755	10.47	11.00	9.00	
802.11ax-HEW40 MCS0	CH 189	5765	10.70	11.00	9.00	90.00
802.11ax-HEW80 MCS0	CH 188	5775	10.91	11.00	9.00	100.00

5.8GHz WLAN ANT 1+2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Trans Tx Limit	Power Setting	Duty Cycle %
802.11a BSSps	CH 186	5745	N/A	N/A	N/A	N/A
	CH 187	5755	N/A	N/A	N/A	
	CH 188	5825	N/A	N/A	N/A	
802.11n-HT20 MCS0	CH 189	5745	11.88	12.00	9.00	90.00
	CH 187	5755	11.90	12.00	9.00	
	CH 188	5825	11.40	12.00	9.00	
802.11n-HT40 MCS0	CH 191	5755	12.83	12.00	9.00	90.00
	CH 189	5765	12.00	12.00	9.00	
	CH 190	5795	8.94	10.00	7.00	
802.11ac-VHT20 MCS0	CH 187	5755	10.17	10.00	7.00	90.00
	CH 188	5825	9.85	10.00	7.00	
	CH 191	5755	10.00	10.00	7.00	
802.11ac-VHT40 MCS0	CH 189	5765	9.98	10.00	7.00	90.00
	CH 190	5775	10.80	10.00	7.00	
	CH 188	5825	9.87	10.00	7.00	
802.11ax-HEW20 MCS0	CH 187	5755	10.10	10.00	7.00	90.00
	CH 188	5825	9.95	10.00	7.00	
	CH 191	5755	9.88	10.00	7.00	
802.11ax-HEW40 MCS0	CH 189	5765	9.90	10.00	7.00	100.00
802.11ax-HEW80 MCS0	CH 188	5775	10.16	10.00	7.00	90.00