



REPORT No.: SZ24080214S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

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

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	
Frequency (MHz)				18600	18800	19000	
20	QPSK	1	0	22.42	22.47	22.39	23.5
20	QPSK	1	49	22.41	22.43	22.36	
20	QPSK	1	99	22.33	22.40	22.37	
20	QPSK	50	0	21.50	21.59	21.48	22.5
20	QPSK	50	24	21.47	21.41	21.39	
20	QPSK	50	50	21.44	21.47	21.40	
20	QPSK	100	0	21.47	21.48	21.37	22.5
20	16QAM	1	0	21.74	21.65	21.48	
20	16QAM	1	49	21.62	21.71	21.66	
20	16QAM	1	99	21.72	21.49	21.76	21.5
20	16QAM	50	0	20.43	20.38	20.42	
20	16QAM	50	24	20.64	20.49	20.48	
20	16QAM	50	50	20.51	20.54	20.56	21.5
20	16QAM	100	0	20.49	20.51	20.47	
20	64QAM	1	0	20.59	20.73	20.68	
20	64QAM	1	49	20.62	20.66	20.56	21.5
20	64QAM	1	99	20.72	20.60	20.42	
20	64QAM	50	0	20.57	20.46	20.46	
20	64QAM	50	24	20.40	20.41	20.48	21.5
20	64QAM	50	50	20.53	20.46	20.51	
20	64QAM	100	0	20.45	20.48	20.47	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	18800	1902.5	
15	QPSK	1	0	22.10	22.15	22.13	23.5
15	QPSK	1	37	22.09	22.11	22.04	
15	QPSK	1	74	22.01	22.08	22.05	
15	QPSK	36	0	21.18	21.27	21.16	22.5
15	QPSK	36	20	21.15	21.09	21.07	
15	QPSK	36	39	21.12	21.15	21.08	
15	QPSK	75	0	21.15	21.16	21.05	22.5
15	16QAM	1	0	21.42	21.33	21.16	
15	16QAM	1	37	21.30	21.39	21.34	
15	16QAM	1	74	21.40	21.17	21.44	21.5
15	16QAM	36	0	20.11	20.06	20.10	
15	16QAM	36	20	20.32	20.17	20.16	
15	16QAM	36	39	20.19	20.22	20.24	21.5
15	16QAM	75	0	20.17	20.19	20.15	
15	64QAM	1	0	20.27	20.41	20.36	
15	64QAM	1	37	20.30	20.34	20.24	21.5
15	64QAM	1	74	20.40	20.28	20.10	
15	64QAM	36	0	20.25	20.14	20.14	
15	64QAM	36	20	20.08	20.09	20.16	21.5
15	64QAM	36	39	20.21	20.14	20.19	
15	64QAM	75	0	20.13	20.16	20.15	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.03	22.08	22.06	23.5
10	QPSK	1	25	22.02	22.04	21.97	
10	QPSK	1	49	21.94	22.01	21.98	
10	QPSK	25	0	21.11	21.20	21.09	22.5
10	QPSK	25	12	21.08	21.02	21.00	
10	QPSK	25	25	21.05	21.08	21.01	
10	QPSK	50	0	21.08	21.09	20.98	22.5
10	16QAM	1	0	21.35	21.26	21.09	
10	16QAM	1	25	21.23	21.32	21.27	
10	16QAM	1	49	21.33	21.10	21.37	21.5
10	16QAM	25	0	20.04	19.99	20.03	
10	16QAM	25	12	20.25	20.10	20.09	
10	16QAM	25	25	20.12	20.15	20.17	21.5
10	16QAM	50	0	20.10	20.12	20.08	
10	64QAM	1	0	20.20	20.34	20.29	
10	64QAM	1	25	20.23	20.27	20.17	21.5
10	64QAM	1	49	20.33	20.21	20.03	
10	64QAM	25	0	20.18	20.07	20.07	
10	64QAM	25	12	20.01	20.02	20.09	21.5
10	64QAM	25	25	20.14	20.07	20.12	
10	64QAM	50	0	20.06	20.09	20.08	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	18800	1907.5	
5	QPSK	1	0	21.96	22.01	21.99	23.5
5	QPSK	1	12	21.95	21.97	21.90	
5	QPSK	1	24	21.87	21.94	21.91	
5	QPSK	12	0	21.04	21.13	21.02	22.5
5	QPSK	12	7	21.01	20.95	20.93	
5	QPSK	12	13	20.98	21.01	20.94	
5	QPSK	25	0	21.01	21.02	20.91	22.5
5	16QAM	1	0	21.28	21.19	21.02	
5	16QAM	1	12	21.16	21.25	21.20	
5	16QAM	1	24	21.26	21.03	21.30	21.5
5	16QAM	12	0	19.97	19.92	19.96	
5	16QAM	12	7	20.18	20.03	20.02	
5	16QAM	12	13	20.05	20.08	20.10	21.5
5	16QAM	25	0	20.03	20.05	20.01	
5	64QAM	1	0	20.13	20.27	20.22	
5	64QAM	1	12	20.16	20.20	20.10	21.5
5	64QAM	1	24	20.26	20.14	19.96	
5	64QAM	12	0	20.11	20.00	20.00	
5	64QAM	12	7	19.94	19.95	20.02	21.5
5	64QAM	12	13	20.07	20.00	20.05	
5	64QAM	25	0	19.99	20.02	20.01	
Channel				18615	18900	19165	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1906.5	
3	QPSK	1	0	21.89	21.94	21.92	23.5
3	QPSK	1	8	21.88	21.90	21.83	
3	QPSK	1	14	21.80	21.87	21.84	
3	QPSK	8	0	20.97	21.06	20.95	22.5
3	QPSK	8	4	20.94	20.88	20.86	
3	QPSK	8	7	20.91	20.94	20.87	
3	QPSK	15	0	20.94	20.95	20.84	22.5
3	16QAM	1	0	21.21	21.12	20.95	
3	16QAM	1	8	21.09	21.18	21.13	
3	16QAM	1	14	21.19	20.96	21.23	22.5
3	16QAM	8	0	19.90	19.85	19.89	

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	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.98	23.03	22.96	24
20	QPSK	1	49	22.92	22.93	22.94	
20	QPSK	1	99	22.84	22.86	22.89	
20	QPSK	50	0	21.89	21.92	21.90	23
20	QPSK	50	24	21.85	21.88	21.89	
20	QPSK	50	50	21.82	21.85	21.91	
20	QPSK	100	0	21.79	21.88	21.83	23
20	16QAM	1	0	21.52	21.77	21.83	
20	16QAM	1	49	21.77	21.83	21.68	
20	16QAM	1	99	21.84	21.83	21.94	22
20	16QAM	50	0	20.90	20.86	20.91	
20	16QAM	50	24	20.93	20.82	20.86	
20	16QAM	50	50	20.98	20.84	20.85	22
20	16QAM	100	0	20.90	20.89	20.87	
20	64QAM	1	0	21.02	20.96	21.00	
20	64QAM	1	49	20.82	20.84	21.00	22
20	64QAM	1	99	20.92	20.93	21.04	
20	64QAM	50	0	20.84	20.81	20.82	
20	64QAM	50	24	20.83	20.85	20.98	22
20	64QAM	50	50	20.87	20.84	21.02	
20	64QAM	100	0	20.85	20.82	20.93	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.86	22.88	22.80	24
15	QPSK	1	37	22.79	22.80	22.81	
15	QPSK	1	74	22.71	22.73	22.76	
15	QPSK	36	0	21.76	21.79	21.77	23
15	QPSK	36	20	21.72	21.75	21.76	
15	QPSK	36	39	21.69	21.72	21.78	
15	QPSK	75	0	21.66	21.75	21.70	23
15	16QAM	1	0	21.39	21.64	21.70	
15	16QAM	1	37	21.64	21.70	21.55	
15	16QAM	1	74	21.71	21.70	21.81	22
15	16QAM	36	0	20.77	20.73	20.78	
15	16QAM	36	20	20.80	20.69	20.73	
15	16QAM	36	39	20.85	20.71	20.72	22
15	16QAM	75	0	20.77	20.76	20.74	
15	64QAM	1	0	20.89	20.83	20.87	
15	64QAM	1	37	20.69	20.71	20.87	22
15	64QAM	1	74	20.79	20.80	20.91	
15	64QAM	36	0	20.71	20.68	20.69	
15	64QAM	36	20	20.70	20.72	20.85	22
15	64QAM	36	39	20.74	20.71	20.89	
15	64QAM	75	0	20.72	20.69	20.80	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.79	22.81	22.73	24
10	QPSK	1	25	22.72	22.73	22.74	
10	QPSK	1	49	22.64	22.66	22.69	
10	QPSK	25	0	21.69	21.72	21.70	23
10	QPSK	25	12	21.65	21.68	21.69	
10	QPSK	25	25	21.62	21.65	21.71	
10	QPSK	50	0	21.59	21.68	21.63	



3	16QAM	8	4	20.11	19.96	19.95	21.5
3	16QAM	8	7	19.98	20.01	20.03	
3	16QAM	15	0	19.96	19.98	19.94	
3	64QAM	1	0	20.06	20.20	20.15	21.5
3	64QAM	1	8	20.09	20.13	20.03	
3	64QAM	1	14	20.19	20.07	19.89	
3	64QAM	8	0	20.04	19.93	19.93	21
3	64QAM	8	4	19.87	19.88	19.95	
3	64QAM	8	7	20.00	19.93	19.98	
3	64QAM	15	0	19.92	19.95	19.94	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.82	21.87	21.85	23
1.4	QPSK	1	3	21.81	21.83	21.76	
1.4	QPSK	1	5	21.73	21.80	21.77	
1.4	QPSK	3	0	20.90	20.99	20.88	
1.4	QPSK	3	1	20.87	20.81	20.79	
1.4	QPSK	3	3	20.84	20.87	20.80	
1.4	QPSK	6	0	20.87	20.88	20.77	22
1.4	16QAM	1	0	21.14	21.05	20.88	
1.4	16QAM	1	3	21.02	21.11	21.06	22
1.4	16QAM	1	5	21.12	20.89	21.16	
1.4	16QAM	3	0	19.83	19.78	19.82	
1.4	16QAM	3	1	20.04	19.89	19.88	
1.4	16QAM	3	3	19.91	19.94	19.96	21
1.4	16QAM	6	0	19.89	19.91	19.87	
1.4	64QAM	1	0	19.99	20.13	20.08	21
1.4	64QAM	1	3	20.02	20.06	19.96	
1.4	64QAM	1	5	20.12	20.00	19.82	
1.4	64QAM	3	0	19.97	19.86	19.86	
1.4	64QAM	3	1	19.80	19.81	19.88	
1.4	64QAM	3	3	19.93	19.86	19.91	
1.4	64QAM	6	0	19.85	19.88	19.87	21

3	16QAM	8	4	20.59	20.48	20.52	22
3	16QAM	8	7	20.64	20.50	20.51	
3	16QAM	15	0	20.56	20.55	20.53	
3	64QAM	1	0	20.68	20.62	20.66	22
3	64QAM	1	8	20.48	20.50	20.66	
3	64QAM	1	14	20.58	20.59	20.70	
3	64QAM	8	0	20.50	20.47	20.48	22
3	64QAM	8	4	20.49	20.51	20.64	
3	64QAM	8	7	20.53	20.50	20.68	
3	64QAM	15	0	20.51	20.48	20.59	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.58	22.60	22.52	24
1.4	QPSK	1	3	22.51	22.52	22.53	
1.4	QPSK	1	5	22.43	22.45	22.48	
1.4	QPSK	3	0	21.48	21.51	21.49	
1.4	QPSK	3	1	21.44	21.47	21.48	
1.4	QPSK	3	3	21.41	21.44	21.50	
1.4	QPSK	6	0	21.38	21.47	21.42	22.5
1.4	16QAM	1	0	21.11	21.36	21.42	
1.4	16QAM	1	3	21.36	21.42	21.27	22.5
1.4	16QAM	1	5	21.43	21.42	21.53	
1.4	16QAM	3	0	20.49	20.45	20.50	
1.4	16QAM	3	1	20.52	20.41	20.45	
1.4	16QAM	3	3	20.57	20.43	20.44	21.5
1.4	16QAM	6	0	20.49	20.48	20.46	
1.4	64QAM	1	0	20.61	20.55	20.59	21.5
1.4	64QAM	1	3	20.41	20.43	20.59	
1.4	64QAM	1	5	20.51	20.52	20.63	
1.4	64QAM	3	0	20.43	20.40	20.41	
1.4	64QAM	3	1	20.42	20.44	20.57	
1.4	64QAM	3	3	20.46	20.43	20.61	
1.4	64QAM	6	0	20.44	20.41	20.52	21.5

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	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.67	22.72	22.70	24
10	QPSK	1	25	22.62	22.63	22.64	
10	QPSK	1	49	22.54	22.56	22.59	
10	QPSK	25	0	21.65	21.67	21.62	
10	QPSK	25	12	21.62	21.65	21.66	
10	QPSK	25	25	21.59	21.62	21.68	23
10	QPSK	50	0	21.56	21.65	21.60	
10	16QAM	1	0	21.29	21.54	21.60	
10	16QAM	1	25	21.54	21.60	21.45	
10	16QAM	1	49	21.61	21.60	21.71	23
10	16QAM	25	0	20.67	20.63	20.68	
10	16QAM	25	12	20.70	20.59	20.63	
10	16QAM	25	25	20.75	20.61	20.62	
10	16QAM	50	0	20.67	20.66	20.64	
10	64QAM	1	0	20.79	20.73	20.77	
10	64QAM	1	25	20.59	20.61	20.77	22
10	64QAM	1	49	20.69	20.70	20.81	
10	64QAM	25	0	20.61	20.58	20.59	
10	64QAM	25	12	20.60	20.62	20.75	
10	64QAM	25	25	20.64	20.61	20.79	22
10	64QAM	50	0	20.62	20.59	20.70	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.63	22.65	22.61	24
5	QPSK	1	12	22.58	22.59	22.60	
5	QPSK	1	24	22.50	22.52	22.55	
5	QPSK	12	0	21.61	21.63	21.58	
5	QPSK	12	7	21.58	21.61	21.62	23
5	QPSK	12	13	21.55	21.58	21.64	
5	QPSK	25	0	21.52	21.61	21.56	
5	16QAM	1	0	21.25	21.50	21.56	
5	16QAM	1	12	21.50	21.56	21.41	23
5	16QAM	1	24	21.57	21.56	21.67	
5	16QAM	12	0	20.63	20.59	20.64	
5	16QAM	12	7	20.66	20.55	20.59	
5	16QAM	12	13	20.71	20.57	20.58	22
5	16QAM	25	0	20.63	20.62	20.60	
5	64QAM	1	0	20.75	20.69	20.73	
5	64QAM	1	12	20.55	20.57	20.73	22
5	64QAM	1	24	20.65	20.66	20.77	
5	64QAM	12	0	20.57	20.54	20.55	
5	64QAM	12	7	20.56	20.58	20.71	22
5	64QAM	12	13	20.60	20.57	20.75	
5	64QAM	25	0	20.58	20.55	20.66	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.55	22.57	22.53	23.5
3	QPSK	1	8	22.50	22.51	22.52	
3	QPSK	1	14	22.42	22.44	22.47	
3	QPSK	8	0	21.53	21.55	21.50	
3	QPSK	8	4	21.50	21.53	21.54	22.5
3	QPSK	8	7	21.47	21.50	21.56	
3	QPSK	15	0	21.44	21.53	21.48	
3	16QAM	1	0	21.17	21.42	21.48	
3	16QAM	1	8	21.42	21.48	21.33	22.5
3	16QAM	1	14	21.49	21.48	21.59	
3	16QAM	8	0	20.55	20.51	20.56	
3	16QAM	8	4	20.58	20.47	20.51	
3	16QAM	8	7	20.63	20.49	20.50	21.5
3	16QAM	15	0	20.55	20.54	20.52	
3	64QAM	1	0	20.67	20.61	20.65	
3	64QAM	1	8	20.47	20.49	20.65	21.5
3	64QAM	1	14	20.57	20.58	20.69	
3	64QAM	8	0	20.49	20.46	20.47	
3	64QAM	8	4	20.48	20.50	20.63	22
3	64QAM	8	7	20.52	20.49	20.67	
3	64QAM	15	0	20.50	20.47	20.58	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.46	22.48	22.44	23.5
1.4	QPSK	1	3	22.41	22.42	22.43	
1.4	QPSK	1	5	22.33	22.35	22.38	
1.4	QPSK	3	0	21.44	21.46	21.41	
1.4	QPSK	3	1	21.41	21.44	21.45	
1.4	QPSK	3	3	21.38	21.41	21.47	
1.4	QPSK	6	0	21.35	21.44	21.39	22.5
1.4	16QAM	1	0	21.08	21.33	21.39	
1.4	16QAM	1	3	21.33	21.39	21.24	
1.4	16QAM	1	5	21.40	21.39	21.50	22.5
1.4	16QAM	3	0	20.46	20.42	20.47	
1.4	16QAM	3	1	20.49	20.38	20.42	
1.4	16QAM	3	3	20.54	20.40	20.41	
1.4	16QAM	6	0	20.46	20.45	20.43	21.5
1.4	64QAM	1	0	20.58	20.52	20.56	
1.4	64QAM	1	3	20.38	20.40	20.56	
1.4	64QAM	1	5	20.48	20.49	20.60	
1.4	64QAM	3	0	20.40	20.37	20.38	21.5
1.4	64QAM	3	1	20.39	20.41	20.54	
1.4	64QAM	3	3	20.43	20.40	20.58	
1.4	64QAM	6	0	20.41	20.38	20.49	21.5

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	22.99	23.03	23.01	24
10	QPSK	1	25	22.91	22.92	22.93	
10	QPSK	1	49	22.83	22.85	22.88	
10	QPSK	25	0	22.00	22.07	22.02	
10	QPSK	25	12	21.94	21.97	21.98	23
10	QPSK	25	25	21.91	21.94	22.00	
10	QPSK	50	0	21.88	21.97	21.92	
10	16QAM	1	0	21.61	21.86	21.92	
10	16QAM	1	25	21.86	21.92	21.77	23
10	16QAM	1	49	21.93	21.92	22.03	
10	16QAM	25	0	20.99	20.95	21.00	
10	16QAM	25	12	21.02	20.91	20.95	22
10	16QAM	25	25	21.07	20.93	20.94	
10	16QAM	50	0	20.99	20.98	20.96	
10	64QAM	1	0	21.11	21.05	21.09	
10	64QAM	1	25	20.91	20.93	21.09	22
10	64QAM	1	49	21.01	21.02	21.13	
10	64QAM	25	0	20.93	20.90	20.91	
10	64QAM	25	12	20.92	20.94	21.07	22
10	64QAM	25	25	20.96	20.93	21.11	
10	64QAM	50	0	20.94	20.91	21.02	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.85	22.88	22.80	24
5	QPSK	1	12	22.83	22.84	22.85	
5	QPSK	1	24	22.75	22.77	22.80	
5	QPSK	12	0	21.92	21.99	21.94	
5	QPSK	12	7	21.86	21.89	21.90	23
5	QPSK	12	13	21.83	21.86	21.92	
5	QPSK	25	0	21.80	21.89	21.84	
5	16QAM	1	0	21.53	21.78	21.84	
5	16QAM	1	12	21.78	21.84	21.69	23
5	16QAM	1	24	21.85	21.84	21.95	
5	16QAM	12	0	20.91	20.87	20.92	
5	16QAM	12	7	20.94	20.83	20.87	22
5	16QAM	12	13	20.99	20.85	20.86	
5	16QAM	25	0	20.91	20.90	20.88	
5	64QAM	1	0	21.03	20.97	21.01	
5	64QAM	1	12	20.83	20.85	21.01	22
5	64QAM	1	24	20.93	20.94	21.05	
5	64QAM	12	0	20.85	20.82	20.83	
5	64QAM	12	7	20.84	20.86	20.99	22
5	64QAM	12	13	20.88	20.85	21.03	
5	64QAM	25	0	20.86	20.83	20.94	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.76	22.79	22.71	24
3	QPSK	1	8	22.74	22.75	22.76	
3	QPSK	1	14	22.66	22.68	22.71	
3	QPSK	8	0	21.83	21.90	21.85	
3	QPSK	8	4	21.77	21.80	21.81	23
3	QPSK	8	7	21.74	21.77	21.83	
3	QPSK	15	0	21.71	21.80	21.75	
3	16QAM	1	0	21.44	21.69	21.75	
3	16QAM	1	8	21.69	21.75	21.60	23
3	16QAM	1	14	21.76	21.75	21.86	
3	16QAM	8	0	20.82	20.78	20.83	
3	16QAM	8	4	20.85	20.74	20.78	
3	16QAM	8	7	20.90	20.76	20.77	22
3	16QAM	15	0	20.82	20.81	20.79	
3	64QAM	1	0	20.94	20.88	20.92	
3	64QAM	1	8	20.74	20.76	20.92	22
3	64QAM	1	14	20.84	20.85	20.96	

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		22.95		24
10	QPSK	1	25		22.90		
10	QPSK	1	49		22.85		23
10	QPSK	25	0		21.78		
10	QPSK	25	12		21.74		23
10	QPSK	25	25		21.75		
10	QPSK	50	0		21.76		23
10	16QAM	1	0		21.91		
10	16QAM	1	25		21.88		23
10	16QAM	1	49		21.99		
10	16QAM	25	0		20.85		22
10	16QAM	25	12		20.85		
10	16QAM	25	25		20.77		22
10	16QAM	50	0		20.81		
10	64QAM	1	0		20.93		22
10	64QAM	1	25		21.02		
10	64QAM	1	49		20.96		22
10	64QAM	25	0		20.83		
10	64QAM	25	12		20.80		22
10	64QAM	25	25		20.84		
10	64QAM	50	0		20.75		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0		22.78	22.86	24
5	QPSK	1	12		22.70	22.66	
5	QPSK	1	24		22.57	22.54	23
5	QPSK	12	0		21.80	21.76	
5	QPSK	12	7		21.75	21.72	23
5	QPSK	12	13		21.74	21.72	
5	QPSK	25	0		21.66	21.72	23
5	16QAM	1	0		21.89	21.90	
5	16QAM	1	12		21.80	21.86	23
5	16QAM	1	24		21.93	21.90	
5	16QAM	12	0		20.80	20.81	22
5	16QAM	12	7		20.76	20.77	
5	16QAM	12	13		20.69	20.72	22
5	16QAM	25	0		20.78	20.71	
5	64QAM	1	0		20.91	20.85	22
5	64QAM	1	12		20.93	20.98	
5	64QAM	1	24		20.86	20.89	22
5	64QAM	12	0		20.82	20.82	
5	64QAM	12	7		20.75	20.70	22
5	64QAM	12	13		20.82	20.80	
5	64QAM	25	0		20.69	20.72	20.71

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		22.92	23.00	24
20	QPSK	1	49		22.86	22.92	
20	QPSK	1	99		22.84	22.88	23
20	QPSK	50	0		21.90	21.95	
20	QPSK	50	24		21.81	21.89	23
20	QPSK	50	50		21.90	21.85	
20	QPSK	100	0		21.86	21.91	23
20	16QAM	1	0		22.16	22.11	
20	16QAM	1	49		22.03	22.12	23
20	16QAM	1	99		21.97	22.04	
20	16QAM	50	0		20.83	20.76	22
20	16QAM	50	24		20.95	20.90	
20	16QAM	50	50		20.88	20.87	22
20	16QAM	100	0		20.89	20.86	
20	64QAM	1	0		21.12	21.09	22
20	64QAM	1	49		21.00	21.10	
20	64QAM	1	99		20.91	21.04	22
20	64QAM	50	0		20.80	20.75	
20	64QAM	50	24		20.87	20.85	22
20	64QAM	50	50		20.80	20.81	
20	64QAM	100	0		20.91	20.80	20.69
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0		22.81	22.82	24
15	QPSK	1	37		22.76	22.80	
15	QPSK	1	74		22.74	22.78	23
15	QPSK	36	0		21.80	21.85	
15	QPSK	36	20		21.71	21.79	23
15	QPSK	36	39		21.80	21.75	
15	QPSK	75	0		21.76	21.81	23
15	16QAM	1	0		22.06	22.01	
15	16QAM	1	37		21.93	22.02	23
15	16QAM	1	74		21.87	21.94	
15	16QAM	36	0		20.73	20.66	22
15	16QAM	36	20		20.85	20.80	
15	16QAM	36	39		20.78	20.77	22
15	16QAM	75	0		20.79	20.76	
15	64QAM	1	0		21.02	20.99	22
15	64QAM	1	37		20.90	21.00	
15	64QAM	1	74		20.81	20.94	22
15	64QAM	36	0		20.70	20.65	
15	64QAM	36	20		20.77	20.75	22
15	64QAM	36	39		20.70	20.71	
15	64QAM	75	0		20.81	20.70	20.59
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0		22.73	22.74	24
10	QPSK	1	25		22.68	22.72	
10	QPSK	1	49		22.66	22.70	23
10	QPSK	25	0		21.72	21.77	
10	QPSK	25	12		21.63	21.71	23
10	QPSK	25	25		21.72	21.67	
10	QPSK	50	0		21.68	21.73	23
10	16QAM	1	0		21.98	21.93	
10	16QAM	1	25		21.85	21.94	23
10	16QAM	1	49		21.79	21.86	
10	16QAM	25	0		20.65	20.58	22
10	16QAM	25	12		20.77	20.72	
10	16QAM	25	25		20.70	20.69	22
10	16QAM	50	0		20.71	20.68	
10	64QAM	1	0		20.94	20.91	22
10	64QAM	1	25		20.82	20.92	
10	64QAM	1	49		20.73	20.86	22
10	64QAM	25	0		20.62	20.57	
10	64QAM	25	12		20.69	20.67	22
10	64QAM	25	25		20.62	20.63	
10	64QAM	50	0		20.73	20.62	20.51
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0		22.65	22.66	24
5	QPSK	1	12		22.60	22.64	
5	QPSK	1	24		22.58	22.62	23
5	QPSK	12	0		21.64	21.69	
5	QPSK	12	7		21.55	21.63	23
5	QPSK	12	13		21.64	21.59	
5	QPSK	25	0		21.60	21.65	23
5	16QAM	1	0		21.90	21.85	
5	16QAM	1	12		21.77	21.96	23
5	16QAM	1	24		21.71	21.78	
5	16QAM	12	0		20.57	20.50	22
5	16QAM	12	7		20.69	20.64	
5	16QAM	12	13		20.62	20.61	22
5	16QAM	25	0		20.63	20.60	
5	64QAM	1	0		20.86	20.83	22
5	64QAM	1	12		20.74	20.84	
5	64QAM	1	24		20.65	20.78	22
5	64QAM	12	0		20.54	20.49	
5	64QAM	12	7		20.61	20.59	22
5	64QAM	12	13		20.54	20.55	
5	64QAM	25	0		20.65	20.54	20.43
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0		22.57	22.58	23.5
3	QPSK	1	8		22.52	22.56	
3	QPSK	1	14		22.50	22.54	22.5
3	QPSK	8	0		21.56	21.61	
3	QPSK	8	4		21.47	21.55	22.5
3	QPSK	8	7		21.56	21.51	
3	QPSK	15	0		21.52	21.57	22.5
3	16QAM	1	0		21.82	21.77	
3	16QAM	1	8		21.69	21.78	22.5
3	16QAM	1	14		21.63	21.70	
3	16QAM	8	0		20.49	20.42	20.41



3	16QAM	8	4	20.61	20.56	20.44	21.5
3	16QAM	8	7	20.54	20.53	20.50	
3	16QAM	15	0	20.55	20.52	20.42	
3	64QAM	1	0	20.78	20.75	20.76	21.5
3	64QAM	1	8	20.66	20.76	20.50	
3	64QAM	1	14	20.57	20.70	20.71	
3	64QAM	8	0	20.46	20.41	20.41	21.5
3	64QAM	8	4	20.53	20.51	20.43	
3	64QAM	8	7	20.46	20.47	20.47	
3	64QAM	15	0	20.57	20.46	20.35	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.49	22.50	22.46	23.5
1.4	QPSK	1	3	22.44	22.48	22.39	
1.4	QPSK	1	5	22.42	22.46	22.47	
1.4	QPSK	3	0	21.48	21.53	21.45	
1.4	QPSK	3	1	21.39	21.47	21.46	
1.4	QPSK	3	3	21.48	21.43	21.45	
1.4	QPSK	6	0	21.44	21.49	21.46	22.5
1.4	16QAM	1	0	21.74	21.69	21.71	22.5
1.4	16QAM	1	3	21.61	21.70	21.47	
1.4	16QAM	1	5	21.55	21.62	21.70	
1.4	16QAM	3	0	20.41	20.34	20.33	
1.4	16QAM	3	1	20.53	20.48	20.36	
1.4	16QAM	3	3	20.46	20.45	20.42	
1.4	16QAM	6	0	20.47	20.44	20.34	21.5
1.4	64QAM	1	0	20.70	20.67	20.68	21.5
1.4	64QAM	1	3	20.58	20.68	20.42	
1.4	64QAM	1	5	20.49	20.62	20.63	
1.4	64QAM	3	0	20.38	20.33	20.33	
1.4	64QAM	3	1	20.45	20.43	20.35	
1.4	64QAM	3	3	20.38	20.39	20.39	
1.4	64QAM	6	0	20.49	20.38	20.27	21.5



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	23.10	23.05	24
20	QPSK	1	49	22.99	22.95	22.92	
20	QPSK	1	99	22.87	22.85	22.78	
20	QPSK	50	0	22.23	22.34	22.30	
20	QPSK	50	24	22.19	22.20	22.06	23
20	QPSK	50	50	22.16	22.09	22.02	
20	QPSK	100	0	22.19	22.22	22.09	
20	16QAM	1	0	22.09	22.10	21.98	
20	16QAM	1	49	21.99	22.02	22.06	23
20	16QAM	1	99	21.91	21.95	21.92	
20	16QAM	50	0	20.96	21.03	20.84	
20	16QAM	50	24	21.04	20.99	21.01	22
20	16QAM	50	50	20.86	20.91	20.84	
20	16QAM	100	0	20.95	20.96	20.90	
20	64QAM	1	0	21.00	21.07	20.98	
20	64QAM	1	49	20.82	20.90	20.93	22
20	64QAM	1	99	20.89	20.91	20.92	
20	64QAM	50	0	20.88	20.93	20.88	
20	64QAM	50	24	20.92	20.88	20.84	22
20	64QAM	50	50	20.79	20.86	20.73	
20	64QAM	100	0	20.71	20.89	20.75	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.59	22.64	22.60	24
15	QPSK	1	37	22.52	22.48	22.45	
15	QPSK	1	74	22.40	22.38	22.31	
15	QPSK	36	0	21.76	21.87	21.83	
15	QPSK	36	20	21.72	21.73	21.59	23
15	QPSK	36	39	21.69	21.62	21.55	
15	QPSK	75	0	21.72	21.75	21.62	
15	16QAM	1	0	21.62	21.63	21.51	
15	16QAM	1	37	21.52	21.55	21.59	23
15	16QAM	1	74	21.44	21.48	21.45	
15	16QAM	36	0	20.49	20.56	20.37	
15	16QAM	36	20	20.57	20.52	20.54	22
15	16QAM	36	39	20.39	20.44	20.37	
15	16QAM	75	0	20.48	20.49	20.43	
15	64QAM	1	0	20.53	20.60	20.51	
15	64QAM	1	37	20.35	20.43	20.46	22
15	64QAM	1	74	20.42	20.44	20.45	
15	64QAM	36	0	20.41	20.46	20.41	
15	64QAM	36	20	20.45	20.41	20.37	22
15	64QAM	36	39	20.32	20.39	20.26	
15	64QAM	75	0	20.24	20.42	20.28	
Channel				133172	133272	133422	
Frequency (MHz)				668	678	693	
10	QPSK	1	0	22.51	22.56	22.52	24
10	QPSK	1	25	22.44	22.40	22.37	
10	QPSK	1	49	22.32	22.30	22.23	
10	QPSK	25	0	21.68	21.79	21.75	
10	QPSK	25	12	21.64	21.65	21.51	23
10	QPSK	25	25	21.61	21.54	21.47	
10	QPSK	50	0	21.64	21.67	21.54	
10	16QAM	1	0	21.54	21.55	21.43	
10	16QAM	1	25	21.44	21.47	21.51	23
10	16QAM	1	49	21.36	21.40	21.37	
10	16QAM	25	0	20.41	20.48	20.29	
10	16QAM	25	12	20.49	20.44	20.46	22
10	16QAM	25	25	20.31	20.36	20.29	
10	16QAM	50	0	20.40	20.41	20.35	
10	64QAM	1	0	20.45	20.52	20.43	
10	64QAM	1	25	20.27	20.35	20.38	22
10	64QAM	1	49	20.34	20.36	20.37	
10	64QAM	25	0	20.33	20.38	20.33	
10	64QAM	25	12	20.37	20.33	20.29	21.5
10	64QAM	25	25	20.24	20.31	20.18	
10	64QAM	50	0	20.16	20.34	20.20	
Channel				133147	133247	133447	
Frequency (MHz)				665.5	675.5	685.5	
5	QPSK	1	0	22.43	22.48	22.44	24
5	QPSK	1	12	22.36	22.32	22.29	
5	QPSK	1	24	22.24	22.22	22.15	
5	QPSK	12	0	21.60	21.71	21.67	
5	QPSK	12	7	21.56	21.57	21.43	23
5	QPSK	12	13	21.53	21.46	21.39	
5	QPSK	25	0	21.56	21.59	21.46	
5	16QAM	1	0	21.46	21.47	21.35	
5	16QAM	1	12	21.36	21.39	21.43	23
5	16QAM	1	24	21.28	21.32	21.29	
5	16QAM	12	0	20.33	20.40	20.21	
5	16QAM	12	7	20.41	20.36	20.38	22
5	16QAM	12	13	20.23	20.28	20.21	
5	16QAM	25	0	20.32	20.33	20.27	
5	64QAM	1	0	20.37	20.44	20.35	
5	64QAM	1	12	20.19	20.27	20.30	22
5	64QAM	1	24	20.26	20.28	20.29	
5	64QAM	12	0	20.25	20.30	20.25	
5	64QAM	12	7	20.29	20.25	20.21	21.5
5	64QAM	12	13	20.16	20.23	20.10	
5	64QAM	25	0	20.08	20.26	20.12	

2.4GHz WLAN ANT 1

2.4GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	16.23	17.00	15.00	99.03
		CH 6	2437	16.28	17.00	15.00	
		CH 11	2462	16.18	17.00	15.00	
	802.11g 6Mbps	CH 1	2412	13.76	14.50	13.00	98.35
		CH 6	2437	13.77	14.50	13.00	
		CH 11	2462	13.80	14.50	13.00	
	802.11n-HT20 MCS0	CH 1	2412	11.75	12.50	11.00	98.23
		CH 6	2437	11.69	12.50	11.00	
CH 11		2462	11.78	12.50	11.00		

5GHzWLAN ANT 1

5.5GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 100	5500	13.56	14.50	13.00	98.07
		CH 116	5580	14.39	15.50	13.00	
		CH 144	5720	14.11	15.00	13.00	
	802.11n-HT20 MCS0	CH 100	5500	12.53	13.50	12.00	97.93
		CH 116	5580	13.38	14.50	12.00	
CH 144		5720	13.03	14.00	12.00		

5GHz WLAN ANT 1

5.8GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 149	5745	13.59	14.50	13.00	98.54
		CH 157	5785	13.13	14.00	13.00	
		CH 165	5825	13.99	15.00	13.00	
	802.11n-HT20 MCS0	CH 149	5745	12.49	13.50	12.00	97.93
		CH 157	5785	12.02	13.00	12.00	
CH 165		5825	13.00	14.00	12.00		

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
BR / EDR	CH 00	2402	6.64	7.50	4.12	5.00	3.85	4.50
	CH 39	2441	6.55	7.50	3.98	5.00	4.31	5.00
	CH 78	2480	5.56	6.50	2.24	3.00	2.11	3.00
Duty Cycle %			77.01		77.07		77.07	

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps	
			Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	5.89	6.50	2.98	4.00
	CH 19	2440	6.19	7.00	3.34	4.00
	CH 39	2480	4.51	5.50	1.71	2.50
Duty Cycle %			62.9		33.87	