



REPORT No.: SZ25040205S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

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



Full Power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	30.65	30.66	30.76	31.50	21.65	21.66	21.76	22.50
GSM 1 Tx slot	30.63	30.63	30.72	31.50	21.63	21.63	21.72	22.50
GPRS 1 Tx slot	29.10	29.17	29.19	30.00	23.10	23.17	23.19	24.00
GPRS 2 Tx slots	27.92	28.15	28.14	29.00	23.66	23.89	23.88	24.74
GPRS 3 Tx slots	26.58	26.69	26.64	27.50	23.58	23.69	23.64	24.50
GPRS 4 Tx slots	24.64	24.75	24.61	25.50	15.64	15.75	15.61	16.50
EDGE 1 Tx slot	24.10	24.12	24.08	25.00	18.10	18.12	18.08	19.00
EDGE 2 Tx slots	22.55	22.39	22.42	23.00	18.29	18.13	18.16	18.74
EDGE 3 Tx slots	21.47	21.51	21.48	22.00	18.47	18.51	18.48	19.00
EDGE 4 Tx slots								
Mode		Max.	30.76			Max.	23.89	
Attenuator	Cable Loss : 0.6							
Date	2025.6.3							

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	29.21	29.13	29.12	30.00	20.21	20.13	20.12	21.00
GSM 1 Tx slot	29.18	29.11	29.10	30.00	20.18	20.11	20.10	21.00
GPRS 1 Tx slot	27.99	28.01	28.03	28.50	21.99	22.01	22.03	22.50
GPRS 2 Tx slots	27.14	27.19	27.19	28.00	22.88	22.93	22.93	23.74
GPRS 3 Tx slots	25.26	25.27	25.31	26.00	22.26	22.27	22.31	23.00
GPRS 4 Tx slots	24.76	24.84	24.80	25.50	15.76	15.84	15.80	16.50
EDGE 1 Tx slot	24.08	23.83	23.92	24.50	18.08	17.83	17.92	18.50
EDGE 2 Tx slots	22.85	22.75	22.71	23.50	18.59	18.49	18.45	19.24
EDGE 3 Tx slots	21.35	21.23	21.30	22.00	18.35	18.23	18.30	19.00
EDGE 4 Tx slots								
Mode		Max.	29.21			Max.	22.93	
Attenuator	Cable Loss : 0.8							
Date	2025.6.3							

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Rx Channel		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)													
3GPP Rel 99	RMC 12.2Kbps	22.66	22.73	22.67	23.50	23.68	23.70	23.66	24.50	23.42	23.47	23.41	24.00
3GPP Rel 5	HSDPA Subtest-1	21.74	21.65	21.66	22.50	22.71	22.79	22.74	23.50	22.56	22.52	22.51	23.00
3GPP Rel 5	HSDPA Subtest-2	21.76	21.61	21.64	22.50	22.68	22.80	22.71	23.50	22.58	22.57	22.53	23.00
3GPP Rel 5	HSDPA Subtest-3	21.25	21.12	21.16	22.00	22.23	22.33	22.28	23.00	22.02	22.03	22.02	22.50
3GPP Rel 5	HSDPA Subtest-4	21.20	21.18	21.10	22.00	22.27	22.31	22.23	23.00	22.01	22.00	22.02	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.73	21.64	21.63	22.50	22.73	22.84	22.81	23.50	22.58	22.57	22.54	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.75	21.67	21.64	22.50	22.75	22.82	22.78	23.50	22.56	22.57	22.57	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.25	21.15	21.16	22.00	22.23	22.31	22.29	23.00	22.05	22.08	22.04	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.26	21.16	21.15	22.00	22.22	22.32	22.31	23.00	22.05	22.07	22.03	22.50
3GPP Rel 6	HSUPA Subtest-1	21.73	21.62	21.63	22.50	22.71	22.83	22.80	23.50	22.54	22.67	22.52	23.50
3GPP Rel 6	HSUPA Subtest-2	21.24	21.20	21.20	22.00	22.32	22.36	22.28	23.00	22.14	22.11	22.02	23.00
3GPP Rel 6	HSUPA Subtest-3	21.73	21.64	21.64	22.50	22.79	22.82	22.76	23.50	22.55	22.61	22.61	23.50
3GPP Rel 6	HSUPA Subtest-4	21.76	21.66	21.65	22.50	22.76	22.84	22.81	23.50	22.61	22.63	22.53	23.50
3GPP Rel 6	HSUPA Subtest-5	21.72	21.69	21.61	22.50	22.81	22.86	22.78	23.50	22.59	22.71	22.57	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.82	21.72	21.66	22.50	22.78	22.80	22.76	23.50	22.58	22.62	22.56	23.50
Attenuator		Cable Loss				Cable Loss				Cable Loss			
Mode			Max.	22.73							Max.	23.47	
Date		2025.6.3				2025.6.3				2025.6.3			

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)				1860	1880	1900			
20	QPSK	1	0	23.25	23.27	23.20	24		
20	QPSK	1	49	23.24	23.26	23.19			
20	QPSK	1	99	23.16	23.23	23.20			
20	QPSK	50	0	22.30	22.42	22.31	23		
20	QPSK	50	24	22.34	22.28	22.26			
20	QPSK	50	50	22.31	22.34	22.27			
20	QPSK	100	0	22.34	22.35	22.24	23		
20	16QAM	1	0	22.57	22.61	22.51			
20	16QAM	1	49	22.49	22.5	22.53			
20	16QAM	1	99	22.59	22.36	22.51	22		
20	16QAM	50	0	21.42	21.37	21.41			
20	16QAM	50	24	21.51	21.36	21.35			
20	16QAM	50	50	21.38	21.41	21.43	22		
20	16QAM	100	0	21.36	21.38	21.34			
20	64QAM	1	0	21.46	21.60	21.55			
20	64QAM	1	49	21.49	21.53	21.43	22		
20	64QAM	1	99	21.59	21.47	21.29			
20	64QAM	50	0	21.44	21.33	21.33			
20	64QAM	50	24	21.27	21.28	21.35	21		
20	64QAM	50	50	21.40	21.33	21.38			
20	64QAM	100	0	21.32	21.35	21.34			
Channel				18675	18900	19125	Tune-up limit (dBm)		
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	23.20	23.22	23.15	24		
15	QPSK	1	37	23.19	23.21	23.14			
15	QPSK	1	74	23.11	23.18	23.15			
15	QPSK	36	0	22.25	22.37	22.26	23		
15	QPSK	36	20	22.29	22.23	22.21			
15	QPSK	36	39	22.26	22.29	22.22			
15	QPSK	75	0	22.29	22.30	22.19	23		
15	16QAM	1	0	22.52	22.56	22.46			
15	16QAM	1	37	22.44	22.5	22.48			
15	16QAM	1	74	22.54	22.31	22.46	22		
15	16QAM	36	0	21.37	21.32	21.36			
15	16QAM	36	20	21.46	21.31	21.30			
15	16QAM	36	39	21.33	21.36	21.38	22		
15	16QAM	75	0	21.31	21.33	21.29			
15	64QAM	1	0	21.41	21.55	21.50			
15	64QAM	1	37	21.44	21.48	21.38	22		
15	64QAM	1	74	21.54	21.42	21.24			
15	64QAM	36	0	21.39	21.28	21.28			
15	64QAM	36	20	21.22	21.23	21.30	21		
15	64QAM	36	39	21.35	21.28	21.33			
15	64QAM	75	0	21.27	21.30	21.29			
Channel				18650	18900	19150	Tune-up limit (dBm)		
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	23.14	23.16	23.09	24		
10	QPSK	1	25	23.13	23.15	23.08			
10	QPSK	1	49	23.05	23.12	23.09			
10	QPSK	25	0	22.19	22.31	22.20	23		
10	QPSK	25	12	22.23	22.17	22.15			
10	QPSK	25	25	22.20	22.23	22.16			
10	QPSK	50	0	22.23	22.24	22.13	23		
10	16QAM	1	0	22.46	22.50	22.40			
10	16QAM	1	25	22.38	22.5	22.42			
10	16QAM	1	49	22.48	22.25	22.40	22		
10	16QAM	25	0	21.31	21.26	21.30			
10	16QAM	25	12	21.40	21.25	21.24			
10	16QAM	25	25	21.27	21.30	21.32	22		
10	16QAM	50	0	21.25	21.27	21.23			
10	64QAM	1	0	21.35	21.49	21.44			
10	64QAM	1	25	21.38	21.42	21.32	22		
10	64QAM	1	49	21.48	21.36	21.18			
10	64QAM	25	0	21.33	21.22	21.22			
10	64QAM	25	12	21.16	21.17	21.24	21		
10	64QAM	25	25	21.29	21.22	21.27			
10	64QAM	50	0	21.21	21.24	21.23			
Channel				18625	18900	19175	Tune-up limit (dBm)		
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	23.09	23.11	23.04	24		
5	QPSK	1	12	23.08	23.10	23.03			
5	QPSK	1	24	23.00	23.07	23.04			
5	QPSK	12	0	22.14	22.26	22.15	23		
5	QPSK	12	7	22.18	22.12	22.10			
5	QPSK	12	13	22.15	22.18	22.11			
5	QPSK	25	0	22.18	22.19	22.08	23		
5	16QAM	1	0	22.41	22.45	22.35			
5	16QAM	1	12	22.33	22.5	22.37			
5	16QAM	1	24	22.43	22.20	22.35	23		
5	16QAM	12	0	21.26	21.21	21.25			
5	16QAM	12	7	21.35	21.20	21.19			
5	16QAM	12	13	21.22	21.25	21.27	22		
5	16QAM	25	0	21.20	21.22	21.18			
5	64QAM	1	0	21.30	21.44	21.39			
5	64QAM	1	12	21.33	21.37	21.27	22		
5	64QAM	1	24	21.43	21.31	21.13			
5	64QAM	12	0	21.28	21.17	21.17			
5	64QAM	12	7	21.11	21.12	21.19	21		
5	64QAM	12	13	21.24	21.17	21.22			
5	64QAM	25	0	21.16	21.19	21.18			
Channel				18615	18900	19185	Tune-up limit (dBm)		
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	23.06	23.08	23.01	24		
3	QPSK	1	8	23.05	23.07	23.00			
3	QPSK	1	14	22.97	23.04	23.01			
3	QPSK	8	0	22.11	22.23	22.12	23		
3	QPSK	8	4	22.15	22.09	22.07			
3	QPSK	8	7	22.12	22.15	22.08			
3	QPSK	15	0	22.15	22.16	22.05			

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	23.32	23.34	23.27	24
20	QPSK	1	49	23.31	23.33	23.26	
20	QPSK	1	99	23.23	23.30	23.27	
20	QPSK	50	0	22.37	22.49	22.38	23
20	QPSK	50	24	22.41	22.35	22.33	
20	QPSK	50	50	22.38	22.41	22.34	
20	QPSK	100	0	22.41	22.42	22.37	23
20	16QAM	1	0	22.68	22.59	22.42	
20	16QAM	1	49	22.56	22.65	22.60	
20	16QAM	1	99	22.66	22.43	22.70	22
20	16QAM	50	0	21.37	21.32	21.36	
20	16QAM	50	24	21.58	21.43	21.42	
20	16QAM	50	50	21.45	21.48	21.50	22
20	16QAM	100	0	21.43	21.45	21.41	
20	64QAM	1	0	21.53	21.67	21.62	
20	64QAM	1	49	21.56	21.60	21.50	22
20	64QAM	1	99	21.66	21.54	21.36	
20	64QAM	50	0	21.51	21.40	21.40	22
20	64QAM	50	24	21.34	21.35	21.42	
20	64QAM	50	50	21.47	21.40	21.45	
20	64QAM	100	0	21.39	21.42	21.41	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)
15	QPSK	1	0	23.27	23.29	23.22	24
15	QPSK	1	37	23.26	23.28	23.21	
15	QPSK	1	74	23.18	23.25	23.22	
15	QPSK	36	0	22.32	22.44	22.33	23
15	QPSK	36	20	22.36	22.30	22.28	
15	QPSK	36	39	22.33	22.36	22.29	
15	QPSK	75	0	22.36	22.37	22.32	23
15	16QAM	1	0	22.63	22.54	22.37	
15	16QAM	1	37	22.51	22.60	22.55	
15	16QAM	1	74	22.61	22.38	22.65	22
15	16QAM	36	0	21.32	21.27	21.31	
15	16QAM	36	20	21.53	21.38	21.37	
15	16QAM	36	39	21.40	21.43	21.45	22
15	16QAM	75	0	21.38	21.40	21.36	
15	64QAM	1	0	21.48	21.62	21.57	
15	64QAM	1	37	21.51	21.55	21.45	22
15	64QAM	1	74	21.61	21.49	21.31	
15	64QAM	36	0	21.46	21.35	21.35	22
15	64QAM	36	20	21.29	21.30	21.37	
15	64QAM	36	39	21.42	21.35	21.40	
15	64QAM	75	0	21.34	21.37	21.36	
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)
10	QPSK	1	0	23.20	23.22	23.15	24
10	QPSK	1	25	23.19	23.21	23.14	
10	QPSK	1	49	23.11	23.18	23.15	
10	QPSK	25	0	22.25	22.37	22.26	23
10	QPSK	25	12	22.29	22.23	22.21	
10	QPSK	25	25	22.26	22.29	22.22	
10	QPSK	50	0	22.29	22.30	22.25	23
10	16QAM	1	0	22.56	22.47	22.30	
10	16QAM	1	25	22.44	22.53	22.48	
10	16QAM	1	49	22.54	22.31	22.58	22
10	16QAM	25	0	21.25	21.20	21.24	
10	16QAM	25	12	21.46	21.31	21.30	
10	16QAM	25	25	21.33	21.36	21.38	22
10	16QAM	50	0	21.31	21.33	21.29	
10	64QAM	1	0	21.41	21.55	21.50	
10	64QAM	1	25	21.44	21.48	21.38	22
10	64QAM	1	49	21.54	21.42	21.24	
10	64QAM	25	0	21.39	21.28	21.28	
10	64QAM	25	12	21.22	21.23	21.30	22
10	64QAM	25	25	21.35	21.28	21.33	
10	64QAM	50	0	21.27	21.30	21.29	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit (dBm)
5	QPSK	1	0	23.17	23.19	23.12	24
5	QPSK	1	12	23.16	23.18	23.11	
5	QPSK	1	24	23.08	23.15	23.12	
5	QPSK	12	0	22.22	22.34	22.23	23
5	QPSK	12	7	22.26	22.20	22.18	
5	QPSK	12	13	22.23	22.26	22.19	
5	QPSK	25	0	22.26	22.27	22.22	23
5	16QAM	1	0	22.53	22.44	22.27	
5	16QAM	1	12	22.41	22.50	22.45	
5	16QAM	1	24	22.51	22.28	22.55	22
5	16QAM	12	0	21.22	21.17	21.21	
5	16QAM	12	7	21.43	21.28	21.27	
5	16QAM	12	13	21.30	21.33	21.35	22
5	16QAM	25	0	21.28	21.30	21.26	
5	64QAM	1	0	21.38	21.52	21.47	
5	64QAM	1	12	21.41	21.45	21.35	22
5	64QAM	1	24	21.51	21.39	21.21	
5	64QAM	12	0	21.36	21.25	21.25	
5	64QAM	12	7	21.19	21.20	21.27	22
5	64QAM	12	13	21.32	21.25	21.30	
5	64QAM	25	0	21.24	21.27	21.26	
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit (dBm)
3	QPSK	1	0	23.12	23.14	23.07	24
3	QPSK	1	8	23.11	23.13	23.06	
3	QPSK	1	14	23.03	23.10	23.07	
3	QPSK	8	0	22.17	22.29	22.18	23
3	QPSK	8	4	22.21	22.15	22.13	
3	QPSK	8	7	22.18	22.21	22.14	
3	QPSK	15	0	22.21	22.22	22.17	

3	16QAM	1	0	22.38	22.42	22.32	23
3	16QAM	1	8	22.30	22.5	22.34	
3	16QAM	1	14	22.40	22.17	22.32	
3	16QAM	8	0	21.23	21.18	21.22	22
3	16QAM	8	4	21.32	21.17	21.16	
3	16QAM	8	7	21.19	21.22	21.24	
3	16QAM	15	0	21.17	21.19	21.15	22
3	64QAM	1	0	21.27	21.41	21.36	
3	64QAM	1	8	21.30	21.34	21.24	
3	64QAM	1	14	21.40	21.28	21.10	21
3	64QAM	8	0	21.25	21.14	21.14	
3	64QAM	8	4	21.08	21.09	21.16	
3	64QAM	8	7	21.21	21.14	21.19	21
3	64QAM	15	0	21.13	21.16	21.15	
Channel				1860.7	1890.0	1919.3	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.03	23.05	22.98	
1.4	QPSK	1	3	23.02	23.04	22.97	24
1.4	QPSK	1	5	22.94	23.01	22.98	
1.4	QPSK	3	0	22.08	22.20	22.09	
1.4	QPSK	3	1	22.12	22.06	22.04	23
1.4	QPSK	3	3	22.09	22.12	22.05	
1.4	QPSK	6	0	22.12	22.13	22.02	
1.4	16QAM	1	0	22.35	22.39	22.29	23
1.4	16QAM	1	3	22.27	22.5	22.31	
1.4	16QAM	1	5	22.37	22.14	22.29	
1.4	16QAM	3	0	21.20	21.15	21.19	22
1.4	16QAM	3	1	21.29	21.14	21.13	
1.4	16QAM	3	3	21.16	21.19	21.21	
1.4	16QAM	6	0	21.14	21.16	21.12	22
1.4	64QAM	1	0	21.24	21.38	21.33	
1.4	64QAM	1	3	21.27	21.31	21.21	
1.4	64QAM	1	5	21.37	21.25	21.07	21
1.4	64QAM	3	0	21.22	21.11	21.11	
1.4	64QAM	3	1	21.05	21.06	21.13	
1.4	64QAM	3	3	21.18	21.11	21.16	21
1.4	64QAM	6	0	21.10	21.13	21.12	
1.4	64QAM	6	0	21.10	21.13	21.12	

3	16QAM	1	0	22.48	22.39	22.22	23
3	16QAM	1	8	22.36	22.45	22.40	
3	16QAM	1	14	22.46	22.23	22.50	
3	16QAM	8	0	21.17	21.12	21.16	22
3	16QAM	8	4	21.38	21.23	21.22	
3	16QAM	8	7	21.25	21.28	21.30	
3	16QAM	15	0	21.23	21.25	21.21	22
3	64QAM	1	0	21.33	21.47	21.42	
3	64QAM	1	8	21.36	21.40	21.30	
3	64QAM	1	14	21.46	21.34	21.16	22
3	64QAM	8	0	21.31	21.20	21.20	
3	64QAM	8	4	21.14	21.15	21.22	
3	64QAM	8	7	21.27	21.20	21.25	22
3	64QAM	15	0	21.19	21.22	21.21	
Channel				1996.7	2017.5	2039.3	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.07	23.09	23.02	
1.4	QPSK	1	3	23.06	23.08	23.01	24
1.4	QPSK	1	5	22.98	23.05	23.02	
1.4	QPSK	3	0	22.12	22.24	22.13	
1.4	QPSK	3	1	22.16	22.10	22.08	23
1.4	QPSK	3	3	22.13	22.16	22.09	
1.4	QPSK	6	0	22.16	22.17	22.12	
1.4	16QAM	1	0	22.43	22.34	22.17	23
1.4	16QAM	1	3	22.31	22.40	22.35	
1.4	16QAM	1	5	22.41	22.18	22.45	
1.4	16QAM	3	0	21.12	21.07	21.11	22
1.4	16QAM	3	1	21.33	21.18	21.17	
1.4	16QAM	3	3	21.20	21.23	21.25	
1.4	16QAM	6	0	21.18	21.20	21.16	22
1.4	64QAM	1	0	21.28	21.42	21.37	
1.4	64QAM	1	3	21.31	21.35	21.25	
1.4	64QAM	1	5	21.41	21.29	21.11	22
1.4	64QAM	3	0	21.26	21.15	21.15	
1.4	64QAM	3	1	21.09	21.10	21.17	
1.4	64QAM	3	3	21.22	21.15	21.20	22
1.4	64QAM	6	0	21.14	21.17	21.16	
1.4	64QAM	6	0	21.14	21.17	21.16	

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	23.18	23.19	23.11	24
10	QPSK	1	25	23.14	23.17	23.06	
10	QPSK	1	49	23.06	23.13	23.11	
10	QPSK	25	0	22.24	22.32	22.18	23
10	QPSK	25	12	22.31	22.28	22.23	
10	QPSK	25	25	22.23	22.19	22.22	
10	QPSK	50	0	22.12	22.14	22.11	23
10	16QAM	1	0	22.21	22.11	22.07	
10	16QAM	1	25	22.20	22.38	22.24	
10	16QAM	1	49	22.17	22.18	22.10	22
10	16QAM	25	0	21.16	21.07	21.04	
10	16QAM	25	12	21.08	21.04	21.01	
10	16QAM	25	25	21.16	21.12	21.07	22
10	16QAM	50	0	21.20	21.06	21.03	
10	64QAM	1	0	21.22	21.29	21.18	
10	64QAM	1	25	21.09	21.07	21.13	22
10	64QAM	1	49	21.24	21.04	21.20	
10	64QAM	25	0	21.19	21.12	21.07	
10	64QAM	25	12	21.27	21.07	21.12	22
10	64QAM	25	25	21.11	21.12	21.07	
10	64QAM	50	0	21.12	21.09	21.11	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.13	23.14	23.06	24
5	QPSK	1	12	23.09	23.12	23.01	
5	QPSK	1	24	23.01	23.08	23.06	
5	QPSK	12	0	22.19	22.27	22.13	23
5	QPSK	12	7	22.26	22.23	22.18	
5	QPSK	12	13	22.18	22.14	22.17	
5	QPSK	25	0	22.07	22.09	22.06	23
5	16QAM	1	0	22.16	22.06	22.02	
5	16QAM	1	12	22.15	22.33	22.19	
5	16QAM	1	24	22.12	22.13	22.05	22
5	16QAM	12	0	21.11	21.02	20.99	
5	16QAM	12	7	21.03	20.99	20.96	
5	16QAM	12	13	21.11	21.07	21.02	22
5	16QAM	25	0	21.15	21.01	20.98	
5	64QAM	1	0	21.17	21.24	21.13	
5	64QAM	1	12	21.04	21.02	21.08	22
5	64QAM	1	24	21.19	20.99	21.15	
5	64QAM	12	0	21.14	21.07	21.02	
5	64QAM	12	7	21.22	21.02	21.07	22
5	64QAM	12	13	21.06	21.07	21.02	
5	64QAM	25	0	21.07	21.04	21.06	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.10	23.11	23.03	24
3	QPSK	1	8	23.06	23.09	22.98	
3	QPSK	1	14	22.98	23.05	23.03	
3	QPSK	8	0	22.16	22.24	22.10	23
3	QPSK	8	4	22.23	22.20	22.15	
3	QPSK	8	7	22.15	22.11	22.14	
3	QPSK	15	0	22.04	22.06	22.03	23
3	16QAM	1	0	22.13	22.03	21.99	
3	16QAM	1	8	22.12	22.30	22.16	
3	16QAM	1	14	22.09	22.10	22.02	22
3	16QAM	8	0	21.08	20.99	20.96	
3	16QAM	8	4	21.00	20.96	20.93	
3	16QAM	8	7	21.08	21.04	20.99	22
3	16QAM	15	0	21.12	20.98	20.95	
3	64QAM	1	0	21.14	21.21	21.10	
3	64QAM	1	8	21.01	20.99	21.05	22
3	64QAM	1	14	21.16	20.96	21.12	
3	64QAM	8	0	21.11	21.04	20.99	
3	64QAM	8	4	21.19	20.99	21.04	22
3	64QAM	8	7	21.03	21.04	20.99	
3	64QAM	15	0	21.04	21.01	21.03	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.07	23.08	23.00	24
1.4	QPSK	1	3	23.03	23.06	22.95	
1.4	QPSK	1	5	22.95	23.02	23.00	
1.4	QPSK	3	0	22.13	22.21	22.07	23
1.4	QPSK	3	1	22.20	22.17	22.12	
1.4	QPSK	3	3	22.12	22.08	22.11	
1.4	QPSK	6	0	22.01	22.03	22.00	23
1.4	16QAM	1	0	22.10	22.00	21.96	
1.4	16QAM	1	3	22.09	22.27	22.13	
1.4	16QAM	1	5	22.06	22.07	21.99	23
1.4	16QAM	3	0	21.05	20.96	20.93	
1.4	16QAM	3	1	20.97	20.93	20.90	
1.4	16QAM	3	3	21.05	21.01	20.96	22
1.4	16QAM	6	0	21.09	20.95	20.92	
1.4	64QAM	1	0	21.11	21.18	21.07	
1.4	64QAM	1	3	20.98	20.96	21.02	22
1.4	64QAM	1	5	21.13	20.93	21.09	
1.4	64QAM	3	0	21.08	21.01	20.96	
1.4	64QAM	3	1	21.16	20.96	21.01	22
1.4	64QAM	3	3	21.00	21.01	20.96	
1.4	64QAM	6	0	21.01	20.98	21.00	

Band 7 (2600MHz Band) (dBm)(ANT6) 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	23
20	QPSK	1	0	22.07	22.13	22.09	
20	QPSK	1	49	21.99	22.06	22.11	
20	QPSK	1	99	22.10	22.11	22.12	
20	QPSK	50	0	21.20	21.33	21.32	
20	QPSK	50	24	21.27	21.32	21.31	22
20	QPSK	50	50	21.30	21.29	21.31	
20	QPSK	100	0	21.25	21.26	21.21	
20	16QAM	1	0	21.21	21.15	21.20	
20	16QAM	1	49	21.28	21.27	21.19	
20	16QAM	1	99	21.29	21.34	21.30	22
20	16QAM	50	0	20.19	20.34	20.40	
20	16QAM	50	24	20.23	20.28	20.20	
20	16QAM	50	50	20.22	20.33	20.18	
20	16QAM	100	0	20.21	20.26	20.31	
20	64QAM	1	0	20.24	20.28	20.32	21
20	64QAM	1	49	20.28	20.34	20.09	
20	64QAM	1	99	20.23	20.10	20.00	
20	64QAM	50	0	20.20	20.24	20.28	
20	64QAM	50	24	20.20	20.33	20.12	
20	64QAM	50	50	20.17	20.32	20.26	22
20	64QAM	100	0	20.25	20.24	20.14	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.02	22.08	22.04	23
15	QPSK	1	37	21.94	22.01	22.06	
15	QPSK	1	74	22.05	22.06	22.07	
15	QPSK	36	0	21.15	21.28	21.27	
15	QPSK	36	20	21.22	21.27	21.26	
15	QPSK	36	39	21.25	21.24	21.26	22
15	QPSK	75	0	21.20	21.21	21.16	
15	16QAM	1	0	21.16	21.10	21.15	
15	16QAM	1	37	21.23	21.22	21.14	
15	16QAM	1	74	21.24	21.29	21.25	
15	16QAM	36	0	20.14	20.29	20.35	21
15	16QAM	36	20	20.18	20.23	20.15	
15	16QAM	36	39	20.17	20.28	20.13	
15	16QAM	75	0	20.16	20.21	20.26	
15	64QAM	1	0	20.19	20.23	20.27	
15	64QAM	1	37	20.23	20.29	20.04	21
15	64QAM	1	74	20.18	20.05	19.95	
15	64QAM	36	0	20.15	20.19	20.23	
15	64QAM	36	20	20.15	20.28	20.07	
15	64QAM	36	39	20.12	20.27	20.21	
15	64QAM	75	0	20.20	20.19	20.09	22
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)
10	QPSK	1	0	21.98	22.04	22.00	23
10	QPSK	1	25	21.90	21.97	22.02	
10	QPSK	1	49	22.01	22.02	22.03	
10	QPSK	25	0	21.11	21.24	21.23	
10	QPSK	25	12	21.18	21.23	21.22	
10	QPSK	25	25	21.21	21.20	21.22	22
10	QPSK	50	0	21.16	21.17	21.12	
10	16QAM	1	0	21.12	21.06	21.11	
10	16QAM	1	25	21.19	21.18	21.10	
10	16QAM	1	49	21.20	21.25	21.21	
10	16QAM	25	0	20.10	20.25	20.31	21
10	16QAM	25	12	20.14	20.19	20.11	
10	16QAM	25	25	20.13	20.24	20.09	
10	16QAM	50	0	20.12	20.17	20.22	
10	64QAM	1	0	20.15	20.19	20.23	
10	64QAM	1	25	20.19	20.25	20.00	21
10	64QAM	1	49	20.14	20.01	19.91	
10	64QAM	25	0	20.11	20.15	20.19	
10	64QAM	25	12	20.11	20.24	20.03	
10	64QAM	25	25	20.08	20.23	20.17	
10	64QAM	50	0	20.16	20.15	20.05	22
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)
5	QPSK	1	0	21.95	22.01	21.97	23
5	QPSK	1	12	21.87	21.94	21.99	
5	QPSK	1	24	21.98	21.99	22.00	
5	QPSK	12	0	21.08	21.21	21.20	
5	QPSK	12	7	21.15	21.20	21.19	
5	QPSK	12	13	21.18	21.17	21.19	22
5	QPSK	25	0	21.13	21.14	21.09	
5	16QAM	1	0	21.09	21.03	21.08	
5	16QAM	1	12	21.16	21.15	21.07	
5	16QAM	1	24	21.17	21.22	21.18	
5	16QAM	12	0	20.07	20.22	20.28	21
5	16QAM	12	7	20.11	20.16	20.08	
5	16QAM	12	13	20.10	20.21	20.06	
5	16QAM	25	0	20.09	20.14	20.19	
5	64QAM	1	0	20.12	20.16	20.20	
5	64QAM	1	12	20.16	20.22	19.97	21
5	64QAM	1	24	20.11	19.98	19.88	
5	64QAM	12	0	20.08	20.12	20.16	
5	64QAM	12	7	20.08	20.21	20.00	
5	64QAM	12	13	20.05	20.20	20.14	
5	64QAM	25	0	20.13	20.12	20.02	22

Band 7 (2600MHz Band) (dBm)(ANT0)							
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	
20	QPSK	1	0	19.57	19.63	19.59	20.5
20	QPSK	1	49	19.49	19.56	19.61	
20	QPSK	1	99	19.60	19.61	19.62	
20	QPSK	50	0	18.70	18.83	18.82	19.5
20	QPSK	50	24	18.77	18.82	18.81	
20	QPSK	50	50	18.80	18.79	18.81	
20	QPSK	100	0	18.75	18.76	18.71	19.5
20	16QAM	1	0	18.71	18.65	18.70	
20	16QAM	1	49	18.78	18.77	18.69	
20	16QAM	1	99	18.79	18.84	18.80	18.5
20	16QAM	50	0	17.69	17.84	17.90	
20	16QAM	50	24	17.73	17.78	17.70	
20	16QAM	50	50	17.72	17.83	17.68	18.5
20	16QAM	100	0	17.71	17.76	17.81	
20	64QAM	1	0	17.74	17.78	17.82	
20	64QAM	1	49	17.76	17.84	17.59	18.5
20	64QAM	1	99	17.73	17.80	17.50	
20	64QAM	50	0	17.70	17.74	17.78	
20	64QAM	50	24	17.70	17.83	17.62	18.5
20	64QAM	50	50	17.67	17.82	17.76	
20	64QAM	100	0	17.75	17.74	17.64	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	19.52	19.58	19.54	20.5
15	QPSK	1	37	19.44	19.51	19.56	
15	QPSK	1	74	19.55	19.56	19.57	
15	QPSK	36	0	18.65	18.78	18.77	19.5
15	QPSK	36	20	18.72	18.77	18.76	
15	QPSK	36	39	18.75	18.74	18.76	
15	QPSK	75	0	18.70	18.71	18.66	19.5
15	16QAM	1	0	18.66	18.60	18.65	
15	16QAM	1	37	18.73	18.72	18.64	
15	16QAM	1	74	18.74	18.79	18.75	18.5
15	16QAM	36	0	17.64	17.79	17.85	
15	16QAM	36	20	17.68	17.73	17.65	
15	16QAM	36	39	17.67	17.78	17.63	18.5
15	16QAM	75	0	17.66	17.71	17.76	
15	64QAM	1	0	17.69	17.73	17.77	
15	64QAM	1	37	17.73	17.79	17.54	18.5
15	64QAM	1	74	17.68	17.55	17.45	
15	64QAM	36	0	17.65	17.69	17.73	
15	64QAM	36	20	17.65	17.78	17.57	18.5
15	64QAM	36	39	17.62	17.77	17.71	
15	64QAM	75	0	17.70	17.69	17.59	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.48	19.54	19.50	20.5
10	QPSK	1	25	19.40	19.47	19.52	
10	QPSK	1	49	19.51	19.52	19.53	
10	QPSK	25	0	18.61	18.74	18.73	19.5
10	QPSK	25	12	18.68	18.73	18.72	
10	QPSK	25	25	18.71	18.70	18.72	
10	QPSK	50	0	18.66	18.67	18.62	19.5
10	16QAM	1	0	18.62	18.56	18.61	
10	16QAM	1	25	18.69	18.68	18.60	
10	16QAM	1	49	18.70	18.75	18.71	18.5
10	16QAM	25	0	17.60	17.75	17.81	
10	16QAM	25	12	17.64	17.69	17.61	
10	16QAM	25	25	17.63	17.74	17.59	18.5
10	16QAM	50	0	17.62	17.67	17.72	
10	64QAM	1	0	17.65	17.69	17.73	
10	64QAM	1	25	17.69	17.75	17.50	18.5
10	64QAM	1	49	17.64	17.51	17.41	
10	64QAM	25	0	17.61	17.65	17.69	
10	64QAM	25	12	17.61	17.74	17.53	18.5
10	64QAM	25	25	17.58	17.73	17.67	
10	64QAM	50	0	17.66	17.65	17.55	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	19.45	19.51	19.47	20.5
5	QPSK	1	12	19.37	19.44	19.49	
5	QPSK	1	24	19.48	19.49	19.50	
5	QPSK	12	0	18.58	18.71	18.70	19.5
5	QPSK	12	7	18.65	18.70	18.69	
5	QPSK	12	13	18.68	18.67	18.69	
5	QPSK	25	0	18.63	18.64	18.59	19.5
5	16QAM	1	0	18.59	18.53	18.58	
5	16QAM	1	12	18.66	18.65	18.57	
5	16QAM	1	24	18.67	18.72	18.68	18.5
5	16QAM	12	0	17.57	17.72	17.78	
5	16QAM	12	7	17.61	17.66	17.58	
5	16QAM	12	13	17.60	17.71	17.56	18.5
5	16QAM	25	0	17.59	17.64	17.69	
5	64QAM	1	0	17.62	17.66	17.70	
5	64QAM	1	12	17.66	17.72	17.47	18.5
5	64QAM	1	24	17.61	17.48	17.38	
5	64QAM	12	0	17.58	17.62	17.66	
5	64QAM	12	7	17.58	17.71	17.50	18.5
5	64QAM	12	13	17.55	17.70	17.64	
5	64QAM	25	0	17.63	17.62	17.52	

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	24	
10	QPSK	1	0	23.28	23.33	23.21		
10	QPSK	1	25	23.21	23.24	23.25		
10	QPSK	1	49	23.11	23.26	23.28		
10	QPSK	25	0	22.27	22.32	22.31	23	
10	QPSK	25	12	22.29	22.20	22.27		
10	QPSK	25	25	22.29	22.24	22.21		
10	QPSK	50	0	22.23	22.22	22.28		
10	16QAM	1	0	22.47	22.44	22.31	23	
10	16QAM	1	25	22.22	22.29	22.29		
10	16QAM	1	49	22.27	22.22	22.33		
10	16QAM	25	0	21.25	21.27	21.38		
10	16QAM	25	12	21.23	21.28	21.25	22	
10	16QAM	25	25	21.35	21.32	21.34		
10	16QAM	50	0	21.39	21.33	21.30		
10	64QAM	1	0	21.39	21.34	21.24		
10	64QAM	1	25	21.45	21.40	21.38	22	
10	64QAM	1	49	21.51	21.53	21.47		
10	64QAM	25	0	21.23	21.43	21.27		
10	64QAM	25	12	21.30	21.36	21.38		
10	64QAM	25	25	21.25	21.32	21.26	22	
10	64QAM	50	0	21.29	21.27	21.30		
Channel				23035	23095	23159		Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	23.22	23.27	23.15	24	
5	QPSK	1	12	23.15	23.18	23.19		
5	QPSK	1	24	23.05	23.20	23.22		
5	QPSK	12	0	22.21	22.26	22.25		
5	QPSK	12	7	22.23	22.14	22.21	23	
5	QPSK	12	13	22.23	22.18	22.15		
5	QPSK	25	0	22.17	22.16	22.22		
5	16QAM	1	0	22.41	22.38	22.25		
5	16QAM	1	12	22.16	22.23	22.23	23	
5	16QAM	1	24	22.21	22.16	22.27		
5	16QAM	12	0	21.19	21.21	21.32		
5	16QAM	12	7	21.17	21.22	21.19		
5	16QAM	12	13	21.29	21.26	21.28	22	
5	16QAM	25	0	21.33	21.27	21.24		
5	64QAM	1	0	21.33	21.28	21.18		
5	64QAM	1	12	21.39	21.34	21.32		
5	64QAM	1	24	21.45	21.47	21.41	22	
5	64QAM	12	0	21.17	21.37	21.21		
5	64QAM	12	7	21.24	21.30	21.32		
5	64QAM	12	13	21.19	21.26	21.20		
5	64QAM	25	0	21.23	21.21	21.24	22	
Channel				23025	23095	23165		Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	23.17	23.22	23.10		24
3	QPSK	1	8	23.10	23.13	23.14		
3	QPSK	1	14	23.00	23.15	23.17		
3	QPSK	8	0	22.16	22.21	22.20		
3	QPSK	8	4	22.18	22.09	22.16	23	
3	QPSK	8	7	22.18	22.13	22.10		
3	QPSK	15	0	22.12	22.11	22.17		
3	16QAM	1	0	22.36	22.33	22.20		
3	16QAM	1	8	22.11	22.18	22.18	23	
3	16QAM	1	14	22.16	22.11	22.22		
3	16QAM	8	0	21.14	21.16	21.27		
3	16QAM	8	4	21.12	21.17	21.14		
3	16QAM	8	7	21.24	21.21	21.23	22	
3	16QAM	15	0	21.28	21.22	21.19		
3	64QAM	1	0	21.28	21.23	21.13		
3	64QAM	1	8	21.34	21.29	21.27		
3	64QAM	1	14	21.40	21.42	21.36	22	
3	64QAM	8	0	21.12	21.32	21.16		
3	64QAM	8	4	21.19	21.25	21.27		
3	64QAM	8	7	21.14	21.21	21.15		
3	64QAM	15	0	21.18	21.16	21.19	22	
Channel				23017	23095	23173		Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	23.12	23.17	23.05		24
1.4	QPSK	1	3	23.05	23.08	23.09		
1.4	QPSK	1	5	22.95	23.10	23.12		
1.4	QPSK	3	0	22.11	22.16	22.15		
1.4	QPSK	3	1	22.13	22.04	22.11	23	
1.4	QPSK	3	3	22.13	22.08	22.05		
1.4	QPSK	6	0	22.07	22.06	22.12		
1.4	16QAM	1	0	22.31	22.28	22.15		
1.4	16QAM	1	3	22.06	22.13	22.13	23	
1.4	16QAM	1	5	22.11	22.06	22.17		
1.4	16QAM	3	0	21.09	21.11	21.22		
1.4	16QAM	3	1	21.07	21.12	21.09		
1.4	16QAM	3	3	21.19	21.16	21.18	22	
1.4	16QAM	6	0	21.23	21.17	21.14		
1.4	64QAM	1	0	21.23	21.18	21.08		
1.4	64QAM	1	3	21.29	21.24	21.22		
1.4	64QAM	1	5	21.35	21.37	21.31	22	
1.4	64QAM	3	0	21.07	21.27	21.11		
1.4	64QAM	3	1	21.14	21.20	21.22		
1.4	64QAM	3	3	21.09	21.16	21.10		
1.4	64QAM	6	0	21.13	21.11	21.14	22	

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		23.37		24
10	QPSK	1	25		23.34		
10	QPSK	1	49		23.24		
10	QPSK	25	0		22.42		23
10	QPSK	25	12		22.34		
10	QPSK	25	25		22.35		
10	QPSK	50	0		22.36		23
10	16QAM	1	0		22.51		
10	16QAM	1	25		22.48		
10	16QAM	1	49		22.59		22
10	16QAM	25	0		21.45		
10	16QAM	25	12		21.45		
10	16QAM	25	25		21.37		22
10	16QAM	50	0		21.41		
10	64QAM	1	0		21.53		
10	64QAM	1	25		21.62		22
10	64QAM	1	49		21.56		
10	64QAM	25	0		21.43		
10	64QAM	25	12		21.40		22
10	64QAM	25	25		21.44		
10	64QAM	50	0		21.35		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.35	23.36	23.33	24
5	QPSK	1	12	23.30	23.26	23.32	
5	QPSK	1	24	23.17	23.14	23.23	
5	QPSK	12	0	22.40	22.36	22.37	23
5	QPSK	12	7	22.35	22.32	22.35	
5	QPSK	12	13	22.34	22.32	22.26	
5	QPSK	25	0	22.26	22.32	22.26	23
5	16QAM	1	0	22.49	22.50	22.49	
5	16QAM	1	12	22.40	22.46	22.40	
5	16QAM	1	24	22.53	22.50	22.51	22
5	16QAM	12	0	21.40	21.41	21.43	
5	16QAM	12	7	21.36	21.37	21.39	
5	16QAM	12	13	21.29	21.32	21.35	22
5	16QAM	25	0	21.38	21.31	21.38	
5	64QAM	1	0	21.51	21.45	21.51	
5	64QAM	1	12	21.53	21.58	21.60	22
5	64QAM	1	24	21.46	21.49	21.46	
5	64QAM	12	0	21.42	21.42	21.33	
5	64QAM	12	7	21.35	21.30	21.37	22
5	64QAM	12	13	21.42	21.40	21.37	
5	64QAM	25	0	21.29	21.32	21.31	

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		
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	0	23.28	23.34	23.26	24	
20	QPSK	1	49	23.15	23.12	23.09		
20	QPSK	1	99	23.13	23.04	23.02		
20	QPSK	50	0	22.30	22.31	22.28		
20	QPSK	50	24	22.27	22.23	22.25	23	
20	QPSK	50	50	22.26	22.17	22.19		
20	QPSK	100	0	22.25	22.26	22.25		
20	16QAM	1	0	22.18	22.18	22.20		
20	16QAM	1	49	22.27	22.24	22.23	23	
20	16QAM	1	99	22.09	22.21	22.22		
20	16QAM	50	0	21.30	21.15	21.16		
20	16QAM	50	24	21.20	21.19	21.09		
20	16QAM	50	50	21.15	21.13	21.14	22	
20	16QAM	100	0	21.14	21.23	21.13		
20	64QAM	1	0	21.21	21.22	21.15		
20	64QAM	1	49	21.16	21.18	21.25		
20	64QAM	1	99	21.23	21.20	21.18	22	
20	64QAM	50	0	21.19	21.14	21.17		
20	64QAM	50	24	21.19	21.25	21.16		
20	64QAM	50	50	21.10	21.16	21.10		
20	64QAM	100	0	21.25	21.24	21.04	22	
Channel				26115	26365	26615		
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	0	23.23	23.29	23.21	24	
15	QPSK	1	37	23.10	23.07	23.04		
15	QPSK	1	74	23.08	22.99	22.97		
15	QPSK	36	0	22.25	22.26	22.23		
15	QPSK	36	20	22.22	22.18	22.20	23	
15	QPSK	36	39	22.21	22.12	22.14		
15	QPSK	75	0	22.20	22.21	22.20		
15	16QAM	1	0	22.13	22.13	22.15		
15	16QAM	1	37	22.22	22.19	22.18	23	
15	16QAM	1	74	22.04	22.16	22.17		
15	16QAM	36	0	21.25	21.10	21.11		
15	16QAM	36	20	21.15	21.14	21.04		
15	16QAM	36	39	21.10	21.08	21.09	22	
15	16QAM	75	0	21.09	21.18	21.08		
15	64QAM	1	0	21.16	21.17	21.10		
15	64QAM	1	37	21.11	21.13	21.20		
15	64QAM	1	74	21.18	21.15	21.13	22	
15	64QAM	36	0	21.14	21.09	21.12		
15	64QAM	36	20	21.14	21.20	21.11		
15	64QAM	36	39	21.05	21.11	21.05		
15	64QAM	75	0	21.20	21.19	20.99	22	
Channel				26090	26365	26640		
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	0	23.18	23.24	23.16	24	
10	QPSK	1	25	23.05	23.02	22.99		
10	QPSK	1	49	23.03	22.94	22.92		
10	QPSK	25	0	22.20	22.21	22.18		
10	QPSK	25	12	22.17	22.13	22.15	23	
10	QPSK	25	25	22.16	22.07	22.09		
10	QPSK	50	0	22.15	22.16	22.15		
10	16QAM	1	0	22.08	22.08	22.10		
10	16QAM	1	25	22.17	22.14	22.13	23	
10	16QAM	1	49	21.99	22.11	22.12		
10	16QAM	25	0	21.20	21.05	21.06		
10	16QAM	25	12	21.10	21.09	20.99		
10	16QAM	25	25	21.05	21.03	21.04	22	
10	16QAM	50	0	21.04	21.13	21.03		
10	64QAM	1	0	21.11	21.12	21.05		
10	64QAM	1	25	21.06	21.08	21.15		
10	64QAM	1	49	21.13	21.10	21.08	22	
10	64QAM	25	0	21.09	21.04	21.07		
10	64QAM	25	12	21.09	21.15	21.06		
10	64QAM	25	25	21.00	21.06	21.00		
10	64QAM	50	0	21.15	21.14	20.94	22	
Channel				26065	26365	26655		
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	0	23.15	23.21	23.13	24	
5	QPSK	1	12	23.02	22.99	22.96		
5	QPSK	1	24	23.00	22.91	22.89		
5	QPSK	12	0	22.17	22.18	22.15		
5	QPSK	12	7	22.14	22.10	22.12	23	
5	QPSK	12	13	22.13	22.04	22.06		
5	QPSK	25	0	22.12	22.13	22.12		
5	16QAM	1	0	22.05	22.05	22.07		
5	16QAM	1	12	22.14	22.11	22.10	23	
5	16QAM	1	24	21.96	22.08	22.09		
5	16QAM	12	0	21.17	21.02	21.03		
5	16QAM	12	7	21.07	21.06	20.96		
5	16QAM	12	13	21.02	21.00	21.01	22	
5	16QAM	25	0	21.01	21.10	21.00		
5	64QAM	1	0	21.08	21.09	21.02		
5	64QAM	1	12	21.03	21.05	21.12		
5	64QAM	1	24	21.10	21.07	21.05	22	
5	64QAM	12	0	21.06	21.01	21.04		
5	64QAM	12	7	21.06	21.12	21.03		
5	64QAM	12	13	20.97	21.03	20.97		
5	64QAM	25	0	21.12	21.11	20.91	22	
Channel				26055	26365	26675		
Frequency (MHz)				1851.5	1882.5	1913.5		
3	QPSK	1	0	23.11	23.17	23.09	24	
3	QPSK	1	8	22.98	22.95	22.92		
3	QPSK	1	14	22.96	22.87	22.85		
3	QPSK	8	0	22.13	22.14	22.11		
3	QPSK	8	4	22.10	22.06	22.08	23	
3	QPSK	8	7	22.09	22.00	22.02		
3	QPSK	15	0	22.08	22.09	22.08		

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	23.25	23.26	23.21	24
15	QPSK	1	37	23.23	23.17	23.24	
15	QPSK	1	74	23.22	23.24	22.91	
15	QPSK	36	0	22.34	22.37	22.28	
15	QPSK	36	20	22.30	22.34	22.20	23
15	QPSK	36	39	22.35	22.36	22.30	
15	QPSK	75	0	22.32	22.26	22.23	
15	16QAM	1	0	22.34	22.18	22.32	
15	16QAM	1	37	22.18	22.21	22.19	23
15	16QAM	1	74	22.05	22.15	22.10	
15	16QAM	36	0	21.31	21.32	21.25	
15	16QAM	36	20	21.04	21.25	21.24	
15	16QAM	36	39	21.30	21.33	21.31	22
15	16QAM	75	0	21.36	21.35	21.29	
15	64QAM	1	0	21.21	21.33	21.34	
15	64QAM	1	37	21.37	21.33	21.30	
15	64QAM	1	74	21.20	21.18	21.06	22
15	64QAM	36	0	21.34	21.24	21.28	
15	64QAM	36	20	21.25	21.27	21.16	
15	64QAM	36	39	21.29	21.31	21.27	
15	64QAM	75	0	21.25	21.35	21.20	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)
10	QPSK	1	0	23.20	23.21	23.16	24
10	QPSK	1	25	23.18	23.12	23.19	
10	QPSK	1	49	23.17	23.19	22.86	
10	QPSK	25	0	22.29	22.32	22.23	
10	QPSK	25	12	22.25	22.29	22.15	23
10	QPSK	25	25	22.30	22.31	22.25	
10	QPSK	50	0	22.27	22.21	22.18	
10	16QAM	1	0	22.29	22.13	22.27	
10	16QAM	1	25	22.13	22.16	22.14	23
10	16QAM	1	49	22.00	22.10	22.05	
10	16QAM	25	0	21.26	21.27	21.20	
10	16QAM	25	12	20.99	21.20	21.19	
10	16QAM	25	25	21.25	21.28	21.26	22
10	16QAM	50	0	21.31	21.30	21.24	
10	64QAM	1	0	21.16	21.28	21.29	
10	64QAM	1	25	21.32	21.28	21.25	
10	64QAM	1	49	21.15	21.13	21.01	22
10	64QAM	25	0	21.29	21.19	21.23	
10	64QAM	25	12	21.20	21.22	21.11	
10	64QAM	25	25	21.24	21.26	21.22	
10	64QAM	50	0	21.20	21.30	21.15	
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)
5	QPSK	1	0	23.16	23.17	23.12	24
5	QPSK	1	12	23.14	23.08	23.15	
5	QPSK	1	24	23.13	23.15	22.82	
5	QPSK	12	0	22.25	22.28	22.19	
5	QPSK	12	7	22.21	22.25	22.11	23
5	QPSK	12	13	22.26	22.27	22.21	
5	QPSK	25	0	22.23	22.17	22.14	
5	16QAM	1	0	22.25	22.09	22.23	
5	16QAM	1	12	22.09	22.12	22.10	23
5	16QAM	1	24	21.96	22.06	22.01	
5	16QAM	12	0	21.22	21.23	21.16	
5	16QAM	12	7	20.95	21.16	21.15	
5	16QAM	12	13	21.21	21.24	21.22	22
5	16QAM	25	0	21.27	21.26	21.20	
5	64QAM	1	0	21.12	21.24	21.25	
5	64QAM	1	12	21.28	21.24	21.21	
5	64QAM	1	24	21.11	21.09	20.97	22
5	64QAM	12	0	21.25	21.15	21.19	
5	64QAM	12	7	21.16	21.18	21.07	
5	64QAM	12	13	21.20	21.22	21.18	
5	64QAM	25	0	21.16	21.26	21.11	
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)
3	QPSK	1	0	23.10	23.11	23.06	24
3	QPSK	1	8	23.08	23.02	23.09	
3	QPSK	1	14	23.07	23.09	22.76	
3	QPSK	8	0	22.19	22.22	22.13	
3	QPSK	8	4	22.15	22.19	22.05	23
3	QPSK	8	7	22.20	22.21	22.15	
3	QPSK	15	0	22.17	22.11	22.08	
3	16QAM	1	0	22.19	22.03	22.17	
3	16QAM	1	8	22.03	22.06	22.04	23
3	16QAM	1	14	21.90	22.00	21.95	
3	16QAM	8	0	21.16	21.17	21.10	
3	16QAM	8	4	20.89	21.10	21.09	
3	16QAM	8	7	21.15	21.18	21.16	22
3	16QAM	15	0	21.21	21.20	21.14	
3	64QAM	1	0	21.06	21.18	21.19	
3	64QAM	1	8	21.22	21.18	21.15	
3	64QAM	1	14	21.05	21.03	20.91	22
3	64QAM	8	0	21.19	21.09	21.13	
3	64QAM	8	4	21.10	21.12	21.01	
3	64QAM	8	7	21.14	21.16	21.12	
3	64QAM	15	0	21.10	21.20	21.05	
Channel				26697	26865	27033	
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)
1.4	QPSK	1	0	23.07	23.08	23.03	24
1.4	QPSK	1	3	23.05	22.99	23.06	
1.4	QPSK	1	5	23.04	23.06	22.73	
1.4	QPSK	3	0	22.16	22.19	22.10	
1.4	QPSK	3	1	22.12	22.16	22.02	
1.4	QPSK	3	3	22.17	22.18	22.12	
1.4	QPSK	6	0	22.14	22.08	22.05	23

3	16QAM	1	0	22.01	22.01	22.03	23
3	16QAM	1	8	22.10	22.07	22.06	
3	16QAM	1	14	21.92	22.04	22.05	
3	16QAM	8	0	21.13	20.98	20.99	22
3	16QAM	8	4	21.03	21.02	20.92	
3	16QAM	8	7	20.98	20.96	20.97	
3	16QAM	15	0	20.97	21.06	20.96	22
3	64QAM	1	0	21.04	21.05	20.98	
3	64QAM	1	8	20.99	21.01	21.08	
3	64QAM	1	14	21.06	21.03	21.01	22
3	64QAM	8	0	21.02	20.97	21.00	
3	64QAM	8	4	21.02	21.08	20.99	
3	64QAM	8	7	20.93	20.99	20.93	22
3	64QAM	15	0	21.08	21.07	20.87	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	23.08	23.14	23.06	24
1.4	QPSK	1	3	22.95	22.92	22.89	
1.4	QPSK	1	5	22.93	22.84	22.82	
1.4	QPSK	3	0	22.10	22.11	22.08	
1.4	QPSK	3	1	22.07	22.03	22.05	
1.4	QPSK	3	3	22.06	21.97	21.99	
1.4	QPSK	6	0	22.05	22.06	22.05	23
1.4	16QAM	1	0	21.98	21.98	22.00	22
1.4	16QAM	1	3	22.07	22.04	22.03	
1.4	16QAM	1	5	21.89	22.01	22.02	
1.4	16QAM	3	0	21.10	20.95	20.96	
1.4	16QAM	3	1	21.00	20.99	20.89	
1.4	16QAM	3	3	20.95	20.93	20.94	
1.4	16QAM	6	0	20.94	21.03	20.93	21
1.4	64QAM	1	0	21.01	21.02	20.95	22
1.4	64QAM	1	3	20.96	20.98	21.05	
1.4	64QAM	1	5	21.03	21.00	20.98	
1.4	64QAM	3	0	20.99	20.94	20.97	
1.4	64QAM	3	1	20.99	21.05	20.96	
1.4	64QAM	3	3	20.90	20.96	20.90	
1.4	64QAM	6	0	21.05	21.04	20.84	22

1.4	16QAM	1	0	22.16	22.00	22.14	23
1.4	16QAM	1	3	22.00	22.03	22.01	
1.4	16QAM	1	5	21.87	21.97	21.92	
1.4	16QAM	3	0	21.13	21.14	21.07	
1.4	16QAM	3	1	20.89	21.07	21.06	
1.4	16QAM	3	3	21.12	21.15	21.13	
1.4	16QAM	6	0	21.18	21.17	21.11	22
1.4	64QAM	1	0	21.03	21.15	21.16	22
1.4	64QAM	1	3	21.19	21.15	21.12	
1.4	64QAM	1	5	21.02	21.00	20.88	
1.4	64QAM	3	0	21.16	21.06	21.10	
1.4	64QAM	3	1	21.07	21.09	20.98	
1.4	64QAM	3	3	21.11	21.13	21.09	
1.4	64QAM	6	0	21.07	21.17	21.02	22

Band 38(only on channel required) (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.13	23.17	23.15	24		
20	QPSK	1	49	23.00	23.13	22.97			
20	QPSK	1	99	23.12	23.09	22.91			
20	QPSK	50	0	22.12	22.19	22.14	23		
20	QPSK	50	24	22.15	22.16	22.02			
20	QPSK	50	50	22.12	22.05	21.98			
20	QPSK	100	0	22.15	22.18	22.05	23		
20	16QAM	1	0	22.25	22.26	22.14			
20	16QAM	1	49	22.15	22.18	22.22			
20	16QAM	1	99	22.07	22.11	22.08	22		
20	16QAM	50	0	21.12	21.19	21.00			
20	16QAM	50	24	21.20	21.15	21.17			
20	16QAM	50	50	21.02	21.07	21.00	22		
20	16QAM	100	0	21.11	21.12	21.06			
20	64QAM	1	0	21.16	21.23	21.14			
20	64QAM	1	49	20.98	21.06	21.09	22		
20	64QAM	1	99	21.05	21.07	21.08			
20	64QAM	50	0	21.04	21.09	21.04			
20	64QAM	50	24	21.08	21.04	21.00	22		
20	64QAM	50	50	20.95	21.02	20.89			
20	64QAM	100	0	20.87	21.05	20.91			
Channel				37825	38000	38175	Tune-up limit (dBm)		
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.08	23.12	23.10	24		
15	QPSK	1	37	22.95	23.08	22.92			
15	QPSK	1	74	23.07	23.04	22.86			
15	QPSK	36	0	22.07	22.14	22.09	23		
15	QPSK	36	20	22.10	22.11	21.97			
15	QPSK	36	36	22.07	22.00	21.93			
15	QPSK	75	0	22.10	22.13	22.00	23		
15	16QAM	1	0	22.20	22.21	22.09			
15	16QAM	1	37	22.10	22.13	22.17			
15	16QAM	1	74	22.02	22.06	22.03	22		
15	16QAM	36	0	21.07	21.14	20.95			
15	16QAM	36	20	21.15	21.10	21.12			
15	16QAM	36	39	20.97	21.02	20.95	22		
15	16QAM	75	0	21.06	21.07	21.01			
15	64QAM	1	0	21.11	21.18	21.09			
15	64QAM	1	37	20.93	21.01	21.04	22		
15	64QAM	1	74	21.00	21.02	21.03			
15	64QAM	36	0	20.99	21.04	20.99			
15	64QAM	36	20	21.03	20.99	20.95	22		
15	64QAM	36	39	20.90	20.97	20.84			
15	64QAM	75	0	20.82	21.00	20.86			
Channel				37800	38000	38200	Tune-up limit (dBm)		
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.05	23.09	23.07	24		
10	QPSK	1	25	22.92	23.05	22.89			
10	QPSK	1	49	23.04	23.01	22.83			
10	QPSK	25	0	22.04	22.11	22.06	23		
10	QPSK	25	12	22.07	22.08	21.94			
10	QPSK	25	25	22.04	21.97	21.90			
10	QPSK	50	0	22.07	22.10	21.97	23		
10	16QAM	1	0	22.17	22.18	22.06			
10	16QAM	1	25	22.07	22.10	22.14			
10	16QAM	1	49	21.99	22.03	22.00	22		
10	16QAM	25	0	21.04	21.11	20.92			
10	16QAM	25	12	21.12	21.07	21.09			
10	16QAM	25	25	20.94	20.99	20.92	22		
10	16QAM	50	0	21.03	21.04	20.98			
10	64QAM	1	0	21.08	21.15	21.06			
10	64QAM	1	25	20.90	20.98	21.01	22		
10	64QAM	1	49	20.97	20.99	21.00			
10	64QAM	25	0	20.96	21.01	20.96			
10	64QAM	25	12	21.00	20.96	20.92	22		
10	64QAM	25	25	20.87	20.94	20.81			
10	64QAM	50	0	20.79	20.97	20.83			
Channel				37775	38000	38225	Tune-up limit (dBm)		
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.00	23.04	23.02	24		
5	QPSK	1	12	22.87	23.00	22.84			
5	QPSK	1	24	22.99	22.96	22.78			
5	QPSK	12	0	21.99	22.06	22.01	23		
5	QPSK	12	7	22.02	22.03	21.89			
5	QPSK	12	13	21.99	21.92	21.85			
5	QPSK	25	0	22.02	22.05	21.92	23		
5	16QAM	1	0	22.12	22.13	22.01			
5	16QAM	1	12	22.02	22.05	22.09			
5	16QAM	1	24	21.94	21.98	21.95	22		
5	16QAM	12	0	20.99	21.06	20.87			
5	16QAM	12	7	21.07	21.02	21.04			
5	16QAM	12	13	20.89	20.94	20.87	22		
5	16QAM	25	0	20.98	20.99	20.93			
5	64QAM	1	0	21.03	21.10	21.01			
5	64QAM	1	12	20.85	20.93	20.96	22		
5	64QAM	1	24	20.92	20.94	20.95			
5	64QAM	12	0	20.91	20.96	20.91			
5	64QAM	12	7	20.95	20.91	20.87	22		
5	64QAM	12	13	20.82	20.89	20.80			
5	64QAM	25	0	20.74	20.92	20.78			

Band 41 (2496~2690MHz) (dBm)(ANT6)									
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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.16	23.17	23.22	23.14	23.20	24
20	QPSK	1	49	23.07	23.14	22.97	22.99	22.95	
20	QPSK	1	99	23.16	23.01	23.12	23.02	22.94	
20	QPSK	50	0	22.39	22.34	22.40	22.25	22.37	
20	QPSK	50	24	22.35	22.32	22.26	22.11	22.08	23
20	QPSK	50	50	22.37	22.26	22.22	22.05	21.95	
20	QPSK	100	0	22.36	22.32	22.27	22.17	22.05	
20	16QAM	1	0	22.44	22.46	22.40	22.34	22.35	
20	16QAM	1	49	22.37	22.24	22.34	22.27	22.30	23
20	16QAM	1	99	22.30	22.16	22.39	22.25	22.27	
20	16QAM	50	0	21.45	21.41	21.27	21.21	21.12	
20	16QAM	50	24	21.39	21.24	21.30	21.18	21.15	
20	16QAM	50	50	21.36	21.12	21.15	21.07	21.11	22
20	16QAM	100	0	21.27	21.24	21.30	21.24	21.25	
20	64QAM	1	0	21.35	21.42	21.33	21.23	21.27	
20	64QAM	1	49	21.34	21.06	21.24	21.15	21.17	
20	64QAM	1	99	21.28	21.19	21.28	21.19	21.22	22
20	64QAM	50	0	21.40	21.34	21.21	21.14	20.98	
20	64QAM	50	24	21.30	21.25	21.24	21.12	21.16	
20	64QAM	50	50	21.17	21.18	21.19	21.08	21.10	
20	64QAM	100	0	21.36	21.31	21.35	21.26	21.25	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	23.11	23.02	23.17	23.01	23.00	
15	QPSK	1	37	23.02	23.09	22.92	22.94	22.90	24
15	QPSK	1	74	23.11	22.96	23.07	22.97	22.89	
15	QPSK	36	0	22.34	22.29	22.35	22.20	22.32	
15	QPSK	36	20	22.30	22.27	22.21	22.06	22.03	
15	QPSK	36	36	22.32	22.21	22.17	22.00	21.90	23
15	QPSK	15	0	22.31	22.27	22.22	22.12	22.00	
15	16QAM	1	0	22.39	22.41	22.35	22.29	22.30	
15	16QAM	1	37	22.32	22.19	22.29	22.22	22.25	
15	16QAM	1	74	22.25	22.11	22.34	22.20	22.22	23
15	16QAM	36	0	21.40	21.36	21.22	21.16	21.07	
15	16QAM	36	20	21.34	21.19	21.25	21.13	21.10	
15	16QAM	36	39	21.31	21.07	21.10	21.02	21.06	
15	16QAM	75	0	21.22	21.19	21.25	21.19	21.20	22
15	64QAM	1	0	21.30	21.37	21.28	21.18	21.22	
15	64QAM	1	37	21.29	21.01	21.19	21.10	21.12	
15	64QAM	1	74	21.23	21.14	21.23	21.14	21.17	
15	64QAM	36	0	21.35	21.29	21.16	21.09	20.93	22
15	64QAM	36	20	21.25	21.20	21.19	21.07	21.11	
15	64QAM	36	39	21.12	21.13	21.14	21.03	21.05	
15	64QAM	75	0	21.31	21.26	21.30	21.21	21.20	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.05	22.96	23.11	22.95	22.94	24
10	QPSK	1	25	22.96	23.03	22.86	22.88	22.84	
10	QPSK	1	49	23.05	22.90	23.01	22.91	22.83	
10	QPSK	25	0	22.28	22.23	22.29	22.14	22.26	
10	QPSK	25	12	22.24	22.21	22.15	22.00	21.97	23
10	QPSK	25	25	22.26	22.15	22.11	21.94	21.84	
10	QPSK	50	0	22.25	22.21	22.16	22.06	21.94	
10	16QAM	1	0	22.33	22.35	22.29	22.23	22.24	
10	16QAM	1	25	22.26	22.13	22.23	22.16	22.19	23
10	16QAM	1	49	22.19	22.05	22.28	22.14	22.16	
10	16QAM	25	0	21.34	21.30	21.16	21.10	21.01	
10	16QAM	25	12	21.28	21.13	21.19	21.07	21.04	
10	16QAM	25	25	21.25	21.01	21.04	20.96	21.00	22
10	16QAM	50	0	21.16	21.13	21.19	21.13	21.14	
10	64QAM	1	0	21.24	21.31	21.22	21.12	21.16	
10	64QAM	1	25	21.23	20.95	21.13	21.04	21.06	
10	64QAM	1	49	21.17	21.08	21.17	21.08	21.11	22
10	64QAM	25	0	21.29	21.23	21.10	21.03	20.87	
10	64QAM	25	12	21.19	21.14	21.13	21.01	21.05	
10	64QAM	25	25	21.06	21.07	21.08	20.97	20.99	
10	64QAM	50	0	21.25	21.20	21.24	21.15	21.14	Tune-up limit (dBm)
Channel				39675	40143	40620	41093	41565	
Frequency (MHz)				2498.5	2545.3	2593	2640.30	2687.5	Tune-up limit (dBm)
5	QPSK	1	0	22.99	22.90	23.05	22.89	22.88	
5	QPSK	1	12	22.90	22.97	22.80	22.82	22.78	24
5	QPSK	1	24	22.99	22.84	22.95	22.85	22.77	
5	QPSK	12	0	22.22	22.17	22.23	22.08	22.20	
5	QPSK	12	7	22.18	22.15	22.09	21.94	21.91	
5	QPSK	12	13	22.20	22.09	22.05	21.88	21.78	23
5	QPSK	25	0	22.19	22.15	22.10	22.00	21.88	
5	16QAM	1	0	22.27	22.29	22.23	22.17	22.18	
5	16QAM	1	12	22.20	22.07	22.17	22.10	22.13	
5	16QAM	1	24	22.13	21.99	22.22	22.08	22.10	22
5	16QAM	12	0	21.28	21.24	21.10	21.04	20.95	
5	16QAM	12	7	21.22	21.07	21.13	21.01	20.98	
5	16QAM	12	13	21.19	20.95	20.98	20.90	20.94	
5	16QAM	25	0	21.10	21.07	21.13	21.07	21.08	22
5	64QAM	1	0	21.18	21.25	21.16	21.06	21.10	
5	64QAM	1	12	21.17	20.89	21.07	20.98	21.00	
5	64QAM	1	24	21.11	21.02	21.11	21.02	21.05	
5	64QAM	12	0	21.23	21.17	21.04	20.97	20.81	22
5	64QAM	12	7	21.13	21.08	21.07	20.95	20.99	
5	64QAM	12	13	21.00	21.01	21.02	20.91	20.93	
5	64QAM	25	0	21.19	21.14	21.18	21.09	21.08	

Band 41 (2496~2690MHz) (dBm)(ANT0)									
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	19.16	19.17	19.22	19.14	19.20	20
20	QPSK	1	49	19.07	19.14	18.97	18.99	18.95	
20	QPSK	1	99	19.16	19.01	19.12	19.02	18.94	
20	QPSK	50	0	18.39	18.34	18.40	18.25	18.37	
20	QPSK	50	24	18.35	18.32	18.26	18.11	18.08	19
20	QPSK	50	50	18.37	18.26	18.22	18.05	17.95	
20	QPSK	100	0	18.36	18.32	18.27	18.17	18.05	
20	16QAM	1	0	18.44	18.46	18.40	18.34	18.35	
20	16QAM	1	49	18.37	18.24	18.34	18.27	18.30	19
20	16QAM	1	99	18.30	18.16	18.39	18.25	18.27	
20	16QAM	50	0	17.45	17.41	17.27	17.21	17.12	
20	16QAM	50	24	17.39	17.24	17.30	17.18	17.15	
20	16QAM	50	50	17.36	17.12	17.15	17.07	17.11	18
20	16QAM	100	0	17.27	17.24	17.30	17.24	17.25	
20	64QAM	1	0	17.35	17.42	17.33	17.23	17.27	
20	64QAM	1	49	17.34	17.06	17.24	17.15	17.17	
20	64QAM	1	99	17.28	17.19	17.28	17.19	17.22	18
20	64QAM	50	0	17.40	17.34	17.21	17.14	16.98	
20	64QAM	50	24	17.30	17.25	17.24	17.12	17.16	
20	64QAM	50	50	17.17	17.18	17.19	17.08	17.10	
20	64QAM	100	0	17.36	17.31	17.35	17.26	17.25	
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.11	19.02	19.17	19.01	19.00	20
15	QPSK	1	37	19.02	19.09	18.92	18.94	18.90	
15	QPSK	1	74	19.11	18.96	19.07	18.97	18.89	
15	QPSK	36	0	18.34	18.29	18.35	18.20	18.32	
15	QPSK	36	20	18.30	18.27	18.21	18.06	18.03	19
15	QPSK	36	30	18.32	18.21	18.17	18.00	17.90	
15	QPSK	15	0	18.31	18.27	18.22	18.12	18.00	
15	16QAM	1	0	18.39	18.41	18.35	18.29	18.30	
15	16QAM	1	37	18.32	18.19	18.29	18.22	18.25	19
15	16QAM	1	74	18.25	18.11	18.34	18.20	18.22	
15	16QAM	36	0	17.40	17.36	17.22	17.16	17.07	
15	16QAM	36	20	17.34	17.19	17.25	17.13	17.10	
15	16QAM	36	39	17.31	17.07	17.10	17.02	17.06	18
15	16QAM	75	0	17.22	17.19	17.25	17.19	17.20	
15	64QAM	1	0	17.30	17.37	17.28	17.18	17.22	
15	64QAM	1	37	17.29	17.01	17.19	17.10	17.12	
15	64QAM	1	74	17.23	17.14	17.23	17.14	17.17	18
15	64QAM	36	0	17.35	17.29	17.16	17.09	16.93	
15	64QAM	36	20	17.25	17.20	17.19	17.07	17.11	
15	64QAM	36	39	17.12	17.13	17.14	17.03	17.05	
15	64QAM	75	0	17.31	17.26	17.30	17.21	17.20	
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.05	18.96	19.11	18.95	18.94	20
10	QPSK	1	25	18.96	19.03	18.86	18.88	18.84	
10	QPSK	1	49	19.05	18.90	19.01	18.91	18.83	
10	QPSK	25	0	18.28	18.23	18.29	18.14	18.26	
10	QPSK	25	12	18.24	18.21	18.15	18.00	17.97	19
10	QPSK	25	25	18.26	18.15	18.11	17.94	17.84	
10	QPSK	50	0	18.25	18.21	18.16	18.06	17.94	
10	16QAM	1	0	18.33	18.35	18.29	18.23	18.24	
10	16QAM	1	25	18.26	18.13	18.23	18.16	18.19	19
10	16QAM	1	49	18.19	18.05	18.28	18.14	18.16	
10	16QAM	25	0	17.34	17.30	17.16	17.10	17.01	
10	16QAM	25	12	17.28	17.13	17.19	17.07	17.04	
10	16QAM	25	25	17.25	17.01	17.04	16.96	17.00	18
10	16QAM	50	0	17.16	17.13	17.19	17.13	17.14	
10	64QAM	1	0	17.24	17.31	17.22	17.12	17.16	
10	64QAM	1	25	17.23	16.95	17.13	17.04	17.06	
10	64QAM	1	49	17.17	17.08	17.17	17.08	17.11	18
10	64QAM	25	0	17.29	17.23	17.10	17.03	16.87	
10	64QAM	25	12	17.19	17.14	17.13	17.01	17.05	
10	64QAM	25	25	17.06	17.07	17.08	16.97	16.99	
10	64QAM	50	0	17.25	17.20	17.24	17.15	17.14	
Channel				39675	40143	40620	41093	41565	
Frequency (MHz)				2498.5	2545.3	2593	2640.30	2687.5	
5	QPSK	1	0	18.99	18.90	19.05	18.89	18.88	20
5	QPSK	1	12	18.90	18.97	18.80	18.82	18.78	
5	QPSK	1	24	18.99	18.84	18.95	18.85	18.77	
5	QPSK	12	0	18.22	18.17	18.23	18.08	18.20	
5	QPSK	12	7	18.18	18.15	18.09	17.94	17.91	19
5	QPSK	12	13	18.20	18.09	18.05	17.88	17.78	
5	QPSK	25	0	18.19	18.15	18.10	18.00	17.88	
5	16QAM	1	0	18.27	18.29	18.23	18.17	18.18	
5	16QAM	1	12	18.20	18.07	18.17	18.10	18.13	19
5	16QAM	1	24	18.13	17.99	18.22	18.08	18.10	
5	16QAM	12	0	17.28	17.24	17.10	17.04	16.95	
5	16QAM	12	7	17.22	17.07	17.13	17.01	16.98	
5	16QAM	12	13	17.19	16.95	16.98	16.90	16.94	18
5	16QAM	25	0	17.10	17.07	17.13	17.07	17.08	
5	64QAM	1	0	17.18	17.25	17.16	17.06	17.10	
5	64QAM	1	12	17.17	16.89	17.07	16.98	17.00	
5	64QAM	1	24	17.11	17.02	17.11	17.02	17.05	18
5	64QAM	12	0	17.23	17.17	17.04	16.97	16.81	
5	64QAM	12	7	17.13	17.08	17.07	16.95	16.99	
5	64QAM	12	13	17.00	17.01	17.02	16.91	16.93	
5	64QAM	25	0	17.19	17.14	17.18	17.09	17.08	

n2 (PC3)_Ant 0

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	22.10	21.96	22.00	23.00
20		1	53	22.04	21.84	22.02	
20		1	104	22.13	21.82	21.95	
20		50	1	21.77	21.53	21.75	23.00
20		50	25	22.12	21.97	22.13	
20		50	50	21.61	21.14	21.59	
20		100	0	21.72	21.59	21.82	
20	DFT-s-OFDM QPSK	1	1	22.20	22.25	22.19	23.00
20		1	53	22.10	21.91	21.99	
20		1	104	22.05	21.75	22.09	
20		50	1	21.29	21.07	21.38	23.00
20		50	25	22.06	22.11	22.05	
20		50	50	21.22	21.02	21.13	
20		100	0	21.28	21.04	21.23	
20	DFT-s-OFDM 16QAM	1	1	21.22	20.99	20.93	21.00
20	DFT-s-OFDM 64QAM	1	1	19.59	19.44	19.30	20.50
20	DFT-s-OFDM 256QAM	1	1	17.39	17.47	17.51	18.00
20	CP-OFDM QPSK	1	1	20.62	20.39	20.26	21.00
20	CP-OFDM 16QAM	1	1	19.07	19.90	19.74	21.00
20	CP-OFDM 64QAM	1	1	18.31	18.11	17.96	19.00
20	CP-OFDM 256QAM	1	1	15.15	15.20	14.92	15.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	22.21	21.99	21.76	23.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	22.24	22.09	21.73	23.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	22.21	22.03	21.83	23.00

n2 (PC3)_Ant 1							
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	23.10	22.96	23.00	24.00
20		1	53	23.04	22.84	23.02	
20		1	104	23.13	22.82	22.95	
20		50	1	22.77	22.53	22.75	24.00
20		50	25	23.12	22.97	23.13	
20		50	50	22.61	22.14	22.59	
20		100	0	22.72	22.59	22.82	
20	DFT-s-OFDM QPSK	1	1	23.20	23.25	23.19	24.00
20		1	53	23.10	22.91	22.99	
20		1	104	23.05	22.75	23.09	
20		50	1	22.29	22.07	22.38	24.00
20		50	25	23.06	23.11	23.05	
20		50	50	22.22	22.02	22.13	
20		100	0	22.28	22.04	22.23	
20	DFT-s-OFDM 16QAM	1	1	22.22	21.99	21.93	22.00
20	DFT-s-OFDM 64QAM	1	1	20.59	20.44	20.30	21.50
20	DFT-s-OFDM 256QAM	1	1	18.39	18.47	18.51	19.00
20	CP-OFDM QPSK	1	1	21.62	21.39	21.26	22.00
20	CP-OFDM 16QAM	1	1	20.07	20.90	20.74	21.50
20	CP-OFDM 64QAM	1	1	19.31	19.11	18.96	20.00
20	CP-OFDM 256QAM	1	1	16.15	16.20	15.92	17.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	23.21	22.99	22.76	24.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	23.24	23.09	22.73	24.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	23.21	23.03	22.83	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	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.56	23.55	23.51	24.00
20		1	53	23.53	23.50	23.46	
20		1	104	23.45	23.44	23.30	
20		50	1	23.06	23.12	23.05	24.00
20		50	25	23.43	23.49	23.42	
20		50	50	19.82	23.02	23.11	
20		100	0	23.15	23.08	22.96	
20	DFT-s-OFDM QPSK	1	1	23.49	23.57	23.47	24.00
20		1	53	23.43	23.54	23.47	
20		1	104	23.43	23.36	23.32	
20		50	1	22.54	22.62	22.55	24.00
20		50	25	23.44	23.47	23.48	
20		50	50	22.44	22.52	22.49	
20		100	0	22.55	22.64	22.51	
20	DFT-s-OFDM 16QAM	1	1	22.40	22.43	22.36	23.00
20	DFT-s-OFDM 64QAM	1	1	20.85	20.88	21.05	22.00
20	DFT-s-OFDM 256QAM	1	1	18.77	18.79	19.08	20.00
20	CP-OFDM QPSK	1	1	21.91	21.88	21.87	23.00
20	CP-OFDM 16QAM	1	1	21.37	21.52	21.38	22.00
20	CP-OFDM 64QAM	1	1	19.64	19.62	19.32	20.50
20	CP-OFDM 256QAM	1	1	17.28	17.32	17.18	18.00
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	23.51	23.50	23.49	24.00
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	23.51	23.47	23.38	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	23.52	23.49	23.39	24.00

n7 (PC3)_Ant 0

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.48	19.57	19.59	20.50
20		1	53	19.52	19.59	19.62	
20		1	104	19.62	19.62	19.68	
20		50	1	19.11	19.08	19.10	20.50
20		50	25	19.50	19.55	19.49	
20		50	50	18.98	19.21	19.22	
20		100	0	19.12	19.06	19.10	
20	DFT-s-OFDM QPSK	1	1	19.71	19.83	19.74	20.50
20		1	53	19.50	19.62	19.60	
20		1	104	19.66	19.66	19.64	
20		50	1	18.45	18.55	18.54	20.50
20		50	25	19.65	19.75	19.64	
20		50	50	18.66	18.81	18.70	
20		100	0	18.62	18.60	18.55	
20	DFT-s-OFDM 16QAM	1	1	18.45	18.56	18.46	19.00
20	DFT-s-OFDM 64QAM	1	1	16.94	17.24	17.20	18.00
20	DFT-s-OFDM 256QAM	1	1	14.59	14.86	14.63	15.50
20	CP-OFDM QPSK	1	1	17.88	18.00	18.12	19.00
20	CP-OFDM 16QAM	1	1	17.37	17.50	17.44	18.00
20	CP-OFDM 64QAM	1	1	15.61	16.02	15.77	16.50
20	CP-OFDM 256QAM	1	1	12.59	12.67	12.65	13.00
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	19.45	19.58	19.58	20.50
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	19.47	19.57	19.52	20.50
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	19.39	19.57	19.53	20.50

n7 (PC3)_Ant 6							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.48	22.57	22.59	23.50
20		1	53	22.52	22.59	22.62	
20		1	104	22.62	22.62	22.68	
20		50	1	22.11	22.08	22.10	23.50
20		50	25	22.50	22.55	22.49	
20		50	50	21.98	22.21	22.22	
20		100	0	22.12	22.06	22.10	
20	DFT-s-OFDM QPSK	1	1	22.71	22.83	22.74	23.50
20		1	53	22.50	22.62	22.60	
20		1	104	22.66	22.66	22.64	
20		50	1	21.45	21.55	21.54	23.50
20		50	25	22.65	22.75	22.64	
20		50	50	21.66	21.81	21.70	
20		100	0	21.62	21.60	21.55	
20	DFT-s-OFDM 16QAM	1	1	21.45	21.56	21.46	22.00
20	DFT-s-OFDM 64QAM	1	1	19.94	20.24	20.20	21.00
20	DFT-s-OFDM 256QAM	1	1	17.59	17.86	17.63	18.50
20	CP-OFDM QPSK	1	1	20.88	21.00	21.12	22.00
20	CP-OFDM 16QAM	1	1	20.37	20.50	20.44	21.00
20	CP-OFDM 64QAM	1	1	18.61	19.02	18.77	19.50
20	CP-OFDM 256QAM	1	1	15.59	15.67	15.65	16.00
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	22.45	22.58	22.58	23.50
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	22.47	22.57	22.52	23.50
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	22.39	22.57	22.53	23.50

n12 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	DFT-s-OFDM PI/2 BPSK	1	1	23.63	23.66	23.63	24.50
10		1	26	23.57	23.53	23.61	
10		1	50	23.41	23.39	23.39	
10		25	1	23.25	23.11	23.09	24.50
10		25	12	23.72	23.71	20.09	
10		25	25	23.05	23.04	23.12	
10		50	0	23.13	23.16	23.14	
10	DFT-s-OFDM QPSK	1	1	23.72	23.78	23.73	24.50
10		1	26	23.52	23.55	23.60	
10		1	50	23.45	23.39	23.44	
10		25	1	22.74	22.68	22.63	24.50
10		25	12	23.68	23.72	23.69	
10		25	25	22.59	22.69	22.64	
10		50	0	22.63	22.65	22.64	
10	DFT-s-OFDM 16QAM	1	1	22.29	22.57	22.64	23.50
10	DFT-s-OFDM 64QAM	1	1	21.35	21.19	21.26	22.00
10	DFT-s-OFDM 256QAM	1	1	19.23	18.93	18.91	20.00
10	CP-OFDM QPSK	1	1	22.04	22.04	22.05	23.00
10	CP-OFDM 16QAM	1	1	21.40	21.48	21.53	22.00
10	CP-OFDM 64QAM	1	1	20.09	19.79	19.73	21.00
10	CP-OFDM 256QAM	1	1	17.07	16.95	16.94	18.00
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	DFT-s-OFDM QPSK	1	1	23.58	23.57	23.40	24.50

n13 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	DFT-s-OFDM PI/2 BPSK	1	1		23.34		24.00
10		1	26		23.38		
10		1	50		23.41		
10		25	1		22.98		24.00
10	DFT-s-OFDM QPSK	25	12		23.37		
10		25	25		22.88		
10		50	0		22.96		
10		1	1		23.47		24.00
10	DFT-s-OFDM 16QAM	1	26		23.37		
10		1	50		23.25		
10		25	1		22.50		24.00
10		25	12		23.40		
10	DFT-s-OFDM 64QAM	25	25		22.39		
10		50	0		22.52		
10	DFT-s-OFDM 256QAM	1	1		22.43		23.00
10	CP-OFDM QPSK	1	1		20.72		21.50
10	CP-OFDM 16QAM	1	1		18.58		19.00
10	CP-OFDM 64QAM	1	1		21.80		22.50
10	CP-OFDM 256QAM	1	1		21.38		22.00
10		1	1		19.45		20.00
10		1	1		17.06		17.50
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	DFT-s-OFDM QPSK	1	1	23.29	23.43	23.39	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	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.59	23.60	23.23	24.50
20		1	53	23.44	23.28	23.28	
20		1	104	23.44	23.22	23.25	
20		50	1	23.04	23.14	23.02	24.50
20		50	25	23.62	23.40	23.47	
20		50	50	23.07	22.86	22.86	
20		100	0	23.02	22.80	22.81	
20	DFT-s-OFDM QPSK	1	1	23.55	23.69	23.66	24.50
20		1	53	23.54	23.32	23.41	
20		1	104	23.47	23.28	23.33	
20		50	1	22.55	22.34	22.28	24.50
20		50	25	23.50	23.56	23.51	
20		50	50	22.53	22.41	22.32	
20		100	0	22.66	22.33	22.31	
20	DFT-s-OFDM 16QAM	1	1	22.53	22.32	22.24	23.00
20	DFT-s-OFDM 64QAM	1	1	20.95	20.97	20.85	22.00
20	DFT-s-OFDM 256QAM	1	1	18.67	18.43	18.43	19.50
20	CP-OFDM QPSK	1	1	21.74	21.75	21.70	22.50
20	CP-OFDM 16QAM	1	1	21.62	21.67	21.59	22.50
20	CP-OFDM 64QAM	1	1	19.66	19.47	19.37	20.00
20	CP-OFDM 256QAM	1	1	16.75	16.55	16.44	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	23.63	23.38	23.23	24.50
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	DFT-s-OFDM QPSK	1	1	23.54	23.30	23.15	24.50
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	DFT-s-OFDM QPSK	1	1	23.58	23.32	23.18	24.50

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		23.33		24.00
10		1	26		23.35		
10		1	50		23.37		
10		25	1		20.64		24.00
10	DFT-s-OFDM QPSK	25	12		23.39		
10		25	25		23.00		
10		50	0		22.85		
10		1	1		23.44		24.00
10	DFT-s-OFDM 16QAM	1	26		23.35		
10		1	50		23.39		
10		25	1		22.40		24.00
10		25	12		23.39		
10	DFT-s-OFDM 64QAM	25	25		20.43		
10		50	0		22.55		
10	DFT-s-OFDM 256QAM	1	1		22.30		23.00
10	CP-OFDM QPSK	1	1		20.78		21.50
10	CP-OFDM 16QAM	1	1		18.64		19.50
10	CP-OFDM 64QAM	1	1		21.70		22.50
10	CP-OFDM 256QAM	1	1		21.40		22.00
10		1	1		19.49		20.00
10		1	1		17.16		18.00
Channel				163300	163800	164300	Tune-up limit (dBm)
Frequency (MHz)				816.5	819	821.5	
5	DFT-s-OFDM QPSK	1	1	23.32	23.31	23.29	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	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.38	23.35	23.34	24.50
20		1	53	23.42	23.39	23.35	
20		1	104	23.40	23.38	23.29	
20		50	1	18.95	22.90	23.12	24.50
20		50	25	23.46	23.55	23.47	
20		50	50	22.95	23.05	22.91	
20		100	0	23.03	23.01	23.10	
20	DFT-s-OFDM QPSK	1	1	23.52	23.61	23.58	24.50
20		1	53	23.45	23.47	23.37	
20		1	104	23.42	23.39	23.35	
20		50	1	22.46	22.43	22.55	24.50
20		50	25	23.52	23.55	23.48	
20		50	50	22.50	22.61	22.41	
20		100	0	22.58	22.56	22.56	
20	DFT-s-OFDM 16QAM	1	1	22.33	22.32	22.33	23.00
20	DFT-s-OFDM 64QAM	1	1	20.78	20.74	20.98	22.00
20	DFT-s-OFDM 256QAM	1	1	18.73	18.68	19.11	20.00
20	CP-OFDM QPSK	1	1	21.99	21.80	21.79	23.00
20	CP-OFDM 16QAM	1	1	21.51	21.25	21.27	22.00
20	CP-OFDM 64QAM	1	1	19.55	19.53	19.80	20.00
20	CP-OFDM 256QAM	1	1	17.21	16.75	17.18	18.00
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	23.37	23.34	23.44	24.50
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	23.35	23.44	23.38	24.50
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	23.35	23.43	23.36	24.50

n38 (PC3) Ant 0

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	Tune-up limit (dBm)
Frequency (MHz)				2590	2595	2600	
40	DFT-s-OFDM PI/2 BPSK	1	1	19.65	19.71	19.73	20.50
40		1	53	19.68	19.67	19.69	
40		1	104	19.78	19.81	19.82	
40		50	1	19.17	19.20	19.23	20.50
40		50	25	19.69	19.68	19.69	
40		50	50	19.22	19.18	19.24	
40		100	0	19.22	19.22	19.21	
40	DFT-s-OFDM QPSK	1	1	19.79	19.83	19.73	20.50
40		1	53	19.68	19.70	19.67	
40		1	104	19.75	19.79	19.78	
40		50	1	18.68	18.70	18.70	20.50
40		50	25	19.71	19.75	19.70	
40		50	50	18.68	18.73	18.71	
40		100	0	18.72	18.73	18.75	
40	DFT-s-OFDM 16QAM	1	1	18.58	18.54	18.59	19.50
40	DFT-s-OFDM 64QAM	1	1	17.15	17.21	17.22	18.00
40	DFT-s-OFDM 256QAM	1	1	14.96	15.02	15.05	15.50
40	CP-OFDM QPSK	1	1	18.15	18.17	18.21	19.00
40	CP-OFDM 16QAM	1	1	17.74	17.80	17.82	18.50
40	CP-OFDM 64QAM	1	1	15.73	15.88	15.81	16.50
40	CP-OFDM 256QAM	1	1	12.94	13.01	13.11	14.00
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	DFT-s-OFDM QPSK	1	1	19.67	19.71	19.72	20.50
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	DFT-s-OFDM QPSK	1	1	19.61	19.66	19.67	20.50

n38 (PC3) Ant 6

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	Tune-up limit (dBm)
Frequency (MHz)				2590	2595	2600	
40	DFT-s-OFDM PI/2 BPSK	1	1	21.65	21.71	21.73	22.50
40		1	53	21.68	21.67	21.69	
40		1	104	21.78	21.81	21.82	
40		50	1	21.17	21.20	21.23	22.50
40	DFT-s-OFDM QPSK	50	25	21.69	21.68	21.69	
40		50	50	21.22	21.18	21.24	
40		100	0	21.22	21.22	21.21	
40		1	1	21.79	21.83	21.73	22.50
40	DFT-s-OFDM 16QAM	1	53	21.68	21.70	21.67	
40		1	104	21.75	21.79	21.78	
40		50	1	20.68	20.70	20.70	22.50
40		50	25	21.71	21.75	21.70	
40	DFT-s-OFDM 64QAM	50	50	20.68	20.73	20.71	
40		100	0	20.72	20.73	20.75	
40	DFT-s-OFDM 256QAM	1	1	20.58	20.54	20.59	21.50
40	CP-OFDM QPSK	1	1	19.15	19.21	19.22	20.00
40	CP-OFDM 16QAM	1	1	16.96	17.02	17.05	17.50
40	CP-OFDM 64QAM	1	1	20.15	20.17	20.21	21.00
40	CP-OFDM 256QAM	1	1	19.74	19.80	19.82	20.50
40		1	1	17.73	17.88	17.81	18.50
40		1	1	14.94	15.01	15.11	16.00
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	DFT-s-OFDM QPSK	1	1	21.67	21.71	21.72	22.50
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	DFT-s-OFDM QPSK	1	1	21.61	21.66	21.67	22.50

n41 (PC2) ANT 6									
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				509202	513900	518598	523296	528000	23.50
Frequency (MHz)				2546.01	2569.5	2592.99	2616.48	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	21.98	22.14	22.15	22.42	22.46	23.50
100		1	136	22.26	22.40	22.49	22.54	22.47	
100		1	271	22.37	22.56	22.14	22.59	22.34	
100		135	1	21.68	21.57	21.93	22.03	21.97	
100		135	67	22.33	22.48	22.59	22.60	22.56	23.50
100		135	136	21.92	22.06	22.08	22.10	21.76	
100		270	0	21.78	21.95	22.08	22.15	21.99	
100	DFT-s-OFDM QPSK	1	1	21.61	22.02	22.15	22.43	22.48	23.50
100		1	136	22.15	22.41	22.50	22.45	22.40	
100		1	271	22.75	22.71	22.82	21.72	22.78	
100		135	1	21.11	21.30	21.45	21.56	21.44	
100		135	67	22.32	22.41	22.54	22.44	22.46	23.50
100		135	136	21.43	21.58	21.60	21.56	21.74	
100		270	0	21.30	21.49	21.61	21.61	21.56	
100	DFT-s-OFDM 16QAM	1	1	20.55	20.97	21.05	21.32	21.33	22.00
100	DFT-s-OFDM 64QAM	1	1	19.21	19.62	19.68	19.93	19.98	21.00
100	DFT-s-OFDM 256QAM	1	1	17.27	17.33	17.51	17.78	17.77	18.50
100	CP-OFDM QPSK	1	1	20.08	20.52	20.66	20.94	20.95	21.50
100	CP-OFDM 16QAM	1	1	19.59	20.03	20.18	20.45	20.57	21.00
100	CP-OFDM 64QAM	1	1	18.00	18.26	18.22	18.47	18.58	19.00
100	CP-OFDM 256QAM	1	1	15.25	15.48	15.52	15.78	15.76	16.50
Channel				508200	513402	518598	523800	528996	23.50
Frequency (MHz)				2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	21.50	22.06	22.20	22.40	22.59	23.50
Channel				507204	512904	518598	524298	529998	23.50
Frequency (MHz)				2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	21.65	22.12	22.31	22.50	22.64	23.50
Channel				506202	512400	518598	524796	531000	23.50
Frequency (MHz)				2531.01	2562	2592.99	2623.98	2655	
70	DFT-s-OFDM QPSK	1	1	21.58	22.22	22.37	22.67	22.66	23.50
Channel				505200	511902	518598	525798	531996	23.50
Frequency (MHz)				2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	21.50	22.22	22.52	22.65	22.70	23.50
Channel				504204	511404	518598	525798	532998	23.50
Frequency (MHz)				2521.02	2557.02	2592.99	2626.5	2664.99	
50	DFT-s-OFDM QPSK	1	1	21.51	22.32	22.64	22.73	22.65	23.50
Channel				503202	510900	518598	526296	534000	23.50
Frequency (MHz)				2516.01	2554.5	2592.99	2631.48	2670	
40	DFT-s-OFDM QPSK	1	1	21.76	22.39	22.72	22.75	22.73	23.50
Channel				502200	510402	518598	526800	534996	23.50
Frequency (MHz)				2511	2552.01	2592.99	2634	2674.98	
30	DFT-s-OFDM QPSK	1	1	21.49	22.30	22.68	22.69	22.58	23.50
Channel				501204	509904	518598	527298	535998	23.50
Frequency (MHz)				2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	21.69	22.31	22.66	22.72	22.57	23.50

n41 ANT 0(PC2)									
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	High Channel	High Channel	Tune-up limit (dBm)
Channel				509202	513900	518598	523296	528000	20.50
Frequency (MHz)				2546.01	2569.5	2592.99	2616.48	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	18.98	19.14	19.15	19.42	19.46	20.50
100		1	136	19.26	19.40	19.49	19.54	19.47	
100		1	271	19.37	19.56	19.14	19.59	19.34	
100		135	1	18.68	18.57	18.93	19.03	18.97	20.50
100	DFT-s-OFDM QPSK	135	67	19.33	19.48	19.59	19.60	19.56	
100		135	136	18.92	19.06	19.08	19.10	18.76	
100		270	0	18.78	18.95	19.08	19.15	18.99	
100	DFT-s-OFDM QPSK	1	1	18.61	19.02	19.15	19.43	19.48	20.50
100		1	136	19.15	19.41	19.50	19.45	19.40	
100		1	271	19.75	19.71	19.82	18.72	19.78	
100		135	1	18.11	18.30	18.45	18.56	18.44	20.50
100	DFT-s-OFDM 16QAM	135	67	19.32	19.41	19.54	19.44	19.46	
100		135	136	18.43	18.58	18.60	18.56	18.74	
100		270	0	18.30	18.49	18.61	18.61	18.56	
100	DFT-s-OFDM 16QAM	1	1	17.55	17.97	18.05	18.32	18.33	19.00
100	DFT-s-OFDM 64QAM	1	1	16.21	16.62	16.68	16.93	16.98	18.00
100	DFT-s-OFDM 256QAM	1	1	14.27	14.33	14.51	14.78	14.77	15.50
100	CP-OFDM QPSK	1	1	17.08	17.52	17.66	17.94	17.95	18.50
100	CP-OFDM 16QAM	1	1	16.59	17.03	17.18	17.45	17.57	18.00
100	CP-OFDM 64QAM	1	1	15.00	15.26	15.22	15.47	15.58	16.00
100	CP-OFDM 256QAM	1	1	12.25	12.48	12.52	12.78	12.76	13.50
Channel				508200	513402	518598	523800	528996	20.50
Frequency (MHz)				2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	18.50	19.06	19.20	19.40	19.59	20.50
Channel				507204	512904	518598	524298	529998	20.50
Frequency (MHz)				2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	18.65	19.12	19.31	19.50	19.64	20.50
Channel				506202	512400	518598	524796	531000	20.50
Frequency (MHz)				2531.01	2562	2592.99	2623.98	2655	
70	DFT-s-OFDM QPSK	1	1	18.58	19.22	19.37	19.67	19.66	20.50
Channel				505200	511902	518598	525798	531996	20.50
Frequency (MHz)				2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	18.50	19.22	19.52	19.65	19.70	20.50
Channel				504204	511404	518598	525798	532998	20.50
Frequency (MHz)				2521.02	2557.02	2592.99	2626.5	2664.99	
50	DFT-s-OFDM QPSK	1	1	18.51	19.32	19.64	19.73	19.65	20.50
Channel				503202	510900	518598	526296	534000	20.50
Frequency (MHz)				2516.01	2554.5	2592.99	2631.48	2670	
40	DFT-s-OFDM QPSK	1	1	18.76	19.39	19.72	19.75	19.73	20.50
Channel				502200	510402	518598	526800	534996	20.50
Frequency (MHz)				2511	2552.01	2592.99	2634	2674.98	
30	DFT-s-OFDM QPSK	1	1	18.49	19.30	19.68	19.69	19.58	20.50
Channel				501204	509904	518598	527298	535998	20.50
Frequency (MHz)				2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM QPSK	1	1	18.69	19.31	19.66	19.72	19.57	20.50

n41n41 _Ant 6 (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				509202	513900	518598	523296	528000	23.50
Frequency (MHz)				2546.01	2569.5	2592.99	2616.48	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	22.22	22.27	22.31	22.44	22.51	23.50
100		1	136	22.30	22.37	22.45	22.48	22.50	
100		1	271	22.55	22.56	22.56	22.33	22.36	
100		135	1	22.33	22.37	22.45	22.49	22.59	23.50
100		135	67	22.37	22.47	22.55	22.59	22.60	
100		135	136	22.40	22.45	22.48	22.45	22.34	
100		270	0	22.33	22.45	22.55	22.65	22.59	
100	DFT-s-OFDM QPSK	1	1	22.63	22.56	22.66	22.54	22.58	23.50
100		1	136	22.19	22.41	22.44	22.43	22.49	
100		1	271	22.46	22.53	22.44	22.29	22.35	
100		135	1	22.29	22.33	22.43	22.53	22.50	23.50
100		135	67	22.57	22.53	22.58	22.54	22.55	
100		135	136	22.40	22.46	22.51	22.47	22.34	
100		270	0	22.46	22.49	22.57	22.51	22.50	
100	DFT-s-OFDM 16QAM	1	1	21.99	22.10	22.30	22.26	22.38	23.00
100	DFT-s-OFDM 64QAM	1	1	22.32	22.32	22.17	22.55	22.53	23.00
100	DFT-s-OFDM 256QAM	1	1	20.57	20.57	20.56	20.70	20.79	21.50
100	CP-OFDM QPSK	1	1	22.10	22.27	22.22	22.40	22.44	23.00
100	CP-OFDM 16QAM	1	1	22.32	22.25	22.31	22.25	22.36	23.00
100	CP-OFDM 64QAM	1	1	21.46	21.31	21.26	21.46	21.58	21.00
100	CP-OFDM 256QAM	1	1	18.42	18.57	18.56	18.72	18.77	19.50
Channel				508200	513402	518598	523800	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM QPSK	1	1	22.18	22.23	22.28	22.43	22.49	23.50
Channel				507204	512904	518598	524298	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM QPSK	1	1	22.20	22.27	22.32	22.55	22.49	23.50
Channel				506202	512400	518598	524796	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2562	2592.99	2623.98	2655	
70	DFT-s-OFDM QPSK	1	1	22.21	22.35	22.40	22.59	22.60	23.50
Channel				505200	511902	518598	525798	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM QPSK	1	1	22.20	22.34	22.50	22.56	22.55	23.50
Channel				504204	511404	518598	525798	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2557.02	2592.99	2626.5	2664.99	
50	DFT-s-OFDM QPSK	1	1	22.33	22.44	22.59	22.60	22.61	23.50
Channel				503202	510900	518598	526296	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2554.5	2592.99	2631.48	2670	
40	DFT-s-OFDM QPSK	1	1	22.40	22.47	22.52	22.57	22.54	23.50
Channel				502200	510402	518598	526800	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2552.01	2592.99	2634	2674.98	
30	DFT-s-OFDM QPSK	1	1	22.33	22.39	22.62	22.59	22.46	23.50
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 QPSK	1	1	22.29	22.43	22.63	22.62	22.42	23.50

n41_Ant 0(PC3)									
BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Ch	Middle Chann	Idle/High Ch	High Channel	Tune-up limit (dBm)
Channel				509202	513900	518598	523296	528000	20.50
Frequency (MHz)				2546.01	2569.5	2592.99	2616.48	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	18.88	19.04	19.05	19.32	19.36	20.50
100		1	136	19.16	19.30	19.39	19.44	19.37	
100		1	271	19.27	19.46	19.04	19.49	19.24	
100		135	1	18.58	18.47	18.83	18.93	18.87	
100	DFT-s-OFDM QPSK	135	67	19.23	19.38	19.49	19.50	19.46	20.50
100		135	136	18.82	18.96	18.98	19.00	18.66	
100		270	0	18.68	18.85	18.98	19.05	18.89	
100		1	1	18.51	18.92	19.05	19.33	19.38	
100	DFT-s-OFDM 16QAM	1	136	19.05	19.31	19.40	19.35	19.30	20.50
100		1	271	19.65	19.61	19.73	18.62	19.68	
100		135	1	18.01	18.20	18.35	18.46	18.34	
100		135	67	19.22	19.31	19.42	19.34	19.36	
100	DFT-s-OFDM 64QAM	135	136	18.33	18.48	18.50	18.46	18.64	20.00
100		270	0	18.20	18.39	18.51	18.51	18.46	
100		1	1	17.45	17.87	17.95	18.22	18.23	
100		1	1	16.11	16.52	16.58	16.83	16.88	
100	DFT-s-OFDM 256QAM	1	1	14.17	14.23	14.41	14.68	14.67	15.50
100	CP-OFDM QPSK	1	1	16.98	17.42	17.56	17.84	17.85	18.50
100	CP-OFDM 16QAM	1	1	16.49	16.93	17.08	17.35	17.47	18.00
100	CP-OFDM 64QAM	1	1	14.90	15.16	15.12	15.37	15.48	16.00
100	CP-OFDM 256QAM	1	1	12.15	12.38	12.42	12.68	12.66	13.50
Channel				508200	513402	518598	523800	528996	Tune-up limit
Frequency (MHz)				2541	2567.01	2592.99	2619	2644.98	(dBm)
90	DFT-s-OFDM QPSK	1	1	18.40	18.96	19.10	19.30	19.49	20.50
Channel				507204	512904	518598	524298	529998	Tune-up limit
Frequency (MHz)				2536.02	2564.52	2592.99	2621.49	2649.99	(dBm)
80	DFT-s-OFDM QPSK	1	1	18.55	19.02	19.21	19.40	19.54	20.50
Channel				506202	512400	518598	524796	531000	Tune-up limit
Frequency (MHz)				2531.01	2562	2592.99	2623.98	2655	(dBm)
70	DFT-s-OFDM QPSK	1	1	18.48	19.12	19.27	19.57	19.56	20.50
Channel				505200	511902	518598	525798	531996	Tune-up limit
Frequency (MHz)				2526	2559.51	2592.99	2626.5	2659.98	(dBm)
60	DFT-s-OFDM QPSK	1	1	18.40	19.12	19.42	19.55	19.60	20.50
Channel				504204	511404	518598	525798	532998	Tune-up limit
Frequency (MHz)				2521.02	2557.02	2592.99	2626.5	2664.99	(dBm)
50	DFT-s-OFDM QPSK	1	1	18.41	19.22	19.54	19.63	19.55	20.50
Channel				503202	510900	518598	526296	534000	Tune-up limit
Frequency (MHz)				2516.01	2554.5	2592.99	2631.48	2670	(dBm)
40	DFT-s-OFDM QPSK	1	1	18.66	19.29	19.62	19.65	19.63	20.50
Channel				502200	510402	518598	526800	534996	Tune-up limit
Frequency (MHz)				2511	2552.01	2592.99	2634	2674.98	(dBm)
30	DFT-s-OFDM QPSK	1	1	18.39	19.20	19.58	19.59	19.48	20.50
Channel				501204	509904	518598	527298	535998	Tune-up limit
Frequency (MHz)				2506.02	2549.52	2592.99	2636.49	2679.99	(dBm)
20	DFT-s-OFDM QPSK	1	1	18.59	19.21	19.56	19.62	19.47	20.50

n77(3450-3550MHz) (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						633334			
Frequency (MHz)						3500.01			
100	DFT-s-OFDM PI/2 BPSK	1	1			21.70			22.50
100		1	136			20.97			
100		1	271			20.75			
100		135	1			20.77			22.00
100		135	67			21.06			
100		135	136			20.08			
100		270	0			20.59			
100	DFT-s-OFDM QPSK	1	1			21.95			22.50
100		1	136			21.00			
100		1	271			20.79			
100		135	1			20.17			22.00
100		135	67			21.06			
100		135	136			19.59			
100		270	0			20.16			
100	DFT-s-OFDM 16QAM	1	1			20.38			21.00
100	DFT-s-OFDM 64QAM	1	1			19.14			20.00
100	DFT-s-OFDM 256QAM	1	1			16.87			17.50
100	CP-OFDM QPSK	1	1			19.98			20.50
100	CP-OFDM 16QAM	1	1			19.54			20.00
100	CP-OFDM 64QAM	1	1			17.67			18.50
100	CP-OFDM 256QAM	1	1			14.86			15.50
Channel				632668	633000	633334	633666	634000	Tune-up limit
Frequency (MHz)				3490.02	3495	3500.01	3504.99	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	21.59	21.54	21.46	21.40	21.31	22.50
Channel				632000	632668	633334	634000	634666	Tune-up limit
Frequency (MHz)				3480	3490.02	3500.01	3510	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	21.56	21.44	21.30	21.13	21.10	22.50
Channel				631334	632334	633334	634332	635332	Tune-up limit
Frequency (MHz)				3470.01	3485.01	3500.01	3514.98	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	21.90	21.71	21.52	21.38	21.11	22.50
Channel				631000	632168	633334	634500	635666	Tune-up limit
Frequency (MHz)				3465	3482.52	3500.01	3517.5	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	21.91	21.63	21.45	21.22	20.83	22.50
Channel				630668	632000	633334	634666	636000	Tune-up limit
Frequency (MHz)				3460.02	3480	3500.01	3519.99	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	21.82	21.57	21.34	21.00	20.77	22.50

n77(3700-3980MHz) (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				650000	653000	656000	659000	662000	23.50
Frequency (MHz)				3750	3795	3840	3885	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	22.36	22.36	22.39	22.68	22.65	23.50
100		1	136	22.42	22.45	22.70	22.71	21.92	
100		1	271	22.47	22.71	22.63	21.86	21.78	
100		135	1	21.97	21.80	21.97	22.09	21.93	23.50
100		135	67	22.57	22.46	22.61	22.72	22.04	
100		135	136	21.79	21.91	22.00	21.79	21.48	
100		270	0	21.98	21.98	22.28	22.22	21.67	
100	DFT-s-OFDM QPSK	1	1	22.71	22.65	22.74	22.68	22.70	23.50
100		1	136	22.45	22.68	22.62	22.64	21.91	
100		1	271	22.48	22.66	22.59	21.86	21.70	
100		135	1	21.65	21.30	21.48	21.56	21.42	23.50
100		135	67	22.49	22.48	22.61	22.58	22.05	
100		135	136	21.36	21.43	21.53	21.31	20.96	
100		270	0	21.45	21.50	21.74	21.74	21.18	
100	DFT-s-OFDM 16QAM	1	1	21.20	21.34	21.36	21.67	21.63	22.50
100	DFT-s-OFDM 64QAM	1	1	20.15	20.16	20.12	20.25	20.20	21.00
100	DFT-s-OFDM 256QAM	1	1	17.96	17.62	17.92	18.09	17.99	19.00
100	CP-OFDM QPSK	1	1	20.97	20.89	20.98	21.20	21.13	22.00
100	CP-OFDM 16QAM	1	1	20.27	20.39	20.50	20.70	20.78	21.50
100	CP-OFDM 64QAM	1	1	18.42	18.46	18.51	18.80	18.80	19.50
100	CP-OFDM 256QAM	1	1	15.60	15.79	15.69	16.05	15.99	17.00
Channel				649334	652668	656000	659332	662666	23.50
Frequency (MHz)				3740.01	3790.02	3840	3889.98	3939.99	
80	DFT-s-OFDM QPSK	1	1	22.42	22.46	22.43	22.59	22.48	23.50
Channel				648668	652334	656000	659666	663332	23.50
Frequency (MHz)				3730.02	3785.01	3840	3894.99	3949.98	
60	DFT-s-OFDM QPSK	1	1	22.34	22.43	22.47	22.60	22.05	23.50
Channel				648000	652000	656000	660000	664000	23.50
Frequency (MHz)				3720	3780	3840	3900	3960	
40	DFT-s-OFDM QPSK	1	1	22.59	22.68	22.58	22.67	22.63	23.50
Channel				647668	651834	656000	660166	664332	23.50
Frequency (MHz)				3715.02	3777.51	3840	3902.49	3964.98	
30	DFT-s-OFDM QPSK	1	1	22.62	22.63	22.63	22.50	22.13	23.50
Channel				647334	651668	656000	660332	664666	23.50
Frequency (MHz)				3710.01	3775.02	3840	3904.98	3969.99	
20	DFT-s-OFDM QPSK	1	1	22.70	22.65	22.75	22.73	22.09	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						633334			
Frequency (MHz)						3500.01			
100	DFT-s-OFDM PI/2 BPSK	1	1			21.56			22
100		1	136			20.99			
100		1	271			20.78			
100		135	1			21.28			22
100		135	67			21.08			
100		135	136			20.59			
100		270	0			21.10			
100	DFT-s-OFDM QPSK	1	1			21.77			22.5
100		1	136			20.97			
100		1	271			20.83			
100		135	1			21.28			22
100		135	67			21.10			
100		135	136			20.59			
100		270	0			21.14			
100	DFT-s-OFDM 16QAM	1	1			21.46			22
100	DFT-s-OFDM 64QAM	1	1			21.67			22
100	DFT-s-OFDM 256QAM	1	1			19.78			20.5
100	CP-OFDM QPSK	1	1			21.50			22.5
100	CP-OFDM 16QAM	1	1			21.60			22.5
100	CP-OFDM 64QAM	1	1			20.57			21.5
100	CP-OFDM 256QAM	1	1			17.83			18.5
Channel				632668	633000	633334	633666	634000	Tune-up limit
Frequency (MHz)				3490.02	3495	3500.01	3504.99	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	21.56	21.52	21.43	21.38	21.29	22
Channel				632000	632668	633334	634000	634666	Tune-up limit
Frequency (MHz)				3480	3490.02	3500.01	3510	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	21.58	21.44	21.33	21.14	21.14	22
Channel				631334	632334	633334	634332	635332	Tune-up limit
Frequency (MHz)				3470.01	3485.01	3500.01	3514.98	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	21.59	21.61	21.51	21.37	21.11	22
Channel				631000	632168	633334	634500	635666	Tune-up limit
Frequency (MHz)				3465	3482.52	3500.01	3517.5	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	21.55	21.63	21.40	21.21	20.89	22
Channel				630668	632000	633334	634666	636000	Tune-up limit
Frequency (MHz)				3460.02	3480	3500.01	3519.99	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	21.50	21.52	21.31	21.09	20.83	22

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				650000	653000	656000	659000	662000	23.5
Frequency (MHz)				3750	3795	3840	3885	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	22.15	22.20	22.15	22.48	22.47	23.5
100		1	136	22.24	22.23	22.57	22.51	21.84	
100		1	271	22.37	22.51	22.43	21.78	21.52	
100		135	1	22.53	22.11	22.28	22.36	22.19	23.5
100		135	67	22.26	22.28	22.39	22.50	21.96	
100		135	136	22.12	22.22	22.33	22.10	21.79	
100		270	0	22.25	22.27	22.58	22.52	21.91	
100	DFT-s-OFDM QPSK	1	1	22.53	22.59	22.62	22.55	22.56	23.5
100		1	136	22.24	22.25	22.59	22.50	21.71	
100		1	271	22.30	22.50	22.42	21.81	21.54	
100		135	1	22.46	22.11	22.26	22.38	22.19	23.5
100		135	67	22.54	22.55	22.57	22.53	22.51	
100		135	136	22.12	22.22	22.33	22.12	21.80	
100		270	0	22.27	22.29	22.54	22.53	21.97	
100	DFT-s-OFDM 16QAM	1	1	21.98	22.22	22.35	22.39	22.35	23.5
100	DFT-s-OFDM 64QAM	1	1	22.18	22.29	22.29	22.61	22.56	23.5
100	DFT-s-OFDM 256QAM	1	1	20.42	20.51	20.45	20.78	20.80	21.5
100	CP-OFDM QPSK	1	1	22.08	22.18	22.16	22.52	22.48	23.5
100	CP-OFDM 16QAM	1	1	22.17	22.29	22.26	22.48	22.55	23.5
100	CP-OFDM 64QAM	1	1	21.19	21.28	21.39	21.63	21.57	22.5
100	CP-OFDM 256QAM	1	1	18.51	18.49	18.50	18.89	18.81	20
Channel				649334	652668	656000	659332	662666	23.5
Frequency (MHz)				3740.01	3790.02	3840	3889.98	3939.99	
80	DFT-s-OFDM QPSK	1	1	22.23	22.26	22.25	22.42	22.30	23.5
Channel				648668	652334	656000	659666	663332	23.5
Frequency (MHz)				3730.02	3785.01	3840	3894.99	3949.98	
60	DFT-s-OFDM QPSK	1	1	22.19	22.22	22.24	22.40	21.81	23.5
Channel				648000	652000	656000	660000	664000	23.5
Frequency (MHz)				3720	3780	3840	3900	3960	
40	DFT-s-OFDM QPSK	1	1	22.56	22.57	22.59	22.51	22.10	23.5
Channel				647668	651834	656000	660166	664332	23.5
Frequency (MHz)				3715.02	3777.51	3840	3902.49	3964.98	
30	DFT-s-OFDM QPSK	1	1	22.45	22.42	22.54	22.60	21.97	23.5
Channel				647334	651668	656000	660332	664666	23.5
Frequency (MHz)				3710.01	3775.02	3840	3904.98	3969.99	
20	DFT-s-OFDM QPSK	1	1	22.52	22.43	22.54	22.51	21.89	23.5

n78(3450-3550MHz) (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						633334			
Frequency (MHz)						3500.01			
100	DFT-s-OFDM PI/2 BPSK	1	1			21.51			22.00
100		1	136			21.03			
100		1	271			20.79			
100		135	1			20.81			22.00
100		135	67			21.13			
100		135	136			20.13			
100		270	0			20.71			
100	DFT-s-OFDM QPSK	1	1			21.57			22.00
100		1	136			21.05			
100		1	271			20.81			
100		135	1			20.36			21.50
100		135	67			21.03			
100		135	136			19.65			
100		270	0			20.21			
100	DFT-s-OFDM 16QAM	1	1			20.50			21.00
100	DFT-s-OFDM 64QAM	1	1			15.66			16.50
100	DFT-s-OFDM 256QAM	1	1			17.12			18.00
100	CP-OFDM QPSK	1	1			20.08			21.00
100	CP-OFDM 16QAM	1	1			19.59			20.00
100	CP-OFDM 64QAM	1	1			17.76			18.50
100	CP-OFDM 256QAM	1	1			14.94			15.50
Channel				633000	633166	633334	633500	633666	Tune-up limit
Frequency (MHz)				3495	3497.49	3500.01	3502.5	3504.99	(dBm)
90	DFT-s-OFDM QPSK	1	1	21.51	21.55	21.54	21.48	21.46	22.00
Channel				632668	633000	633334	633666	634000	Tune-up limit
Frequency (MHz)				3490.02	3450	3500.01	3504.99	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	21.47	21.46	21.42	21.45	21.40	22.00
Channel				632334	632834	633334	633832	634332	Tune-up limit
Frequency (MHz)				3485.01	3492.51	3500.01	3507.48	3514.98	(dBm)
70	DFT-s-OFDM QPSK	1	1	21.51	21.47	21.50	21.34	21.24	22.00
Channel				632000	632666	633334	634000	634666	Tune-up limit
Frequency (MHz)				3480	3489.99	3500.01	3510	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	21.42	21.51	21.44	21.27	21.24	22.00
Channel				631668	632500	633334	634166	635000	Tune-up limit
Frequency (MHz)				3475.02	3487.5	3500.01	3512.49	3525	(dBm)
50	DFT-s-OFDM QPSK	1	1	21.39	21.50	21.39	21.25	21.13	22.00
Channel				631334	636672	633334	634334	635332	Tune-up limit
Frequency (MHz)				3470.01	3485.01	3500.01	3515.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	21.49	21.02	21.38	21.53	21.16	22.00
Channel				631000	632166	633334	634500	635666	Tune-up limit
Frequency (MHz)				3465	3482.49	3500.01	3517.5	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	22.00	21.77	21.58	21.32	20.89	22.00
Channel				630668	632000	633334	634668	636000	Tune-up limit
Frequency (MHz)				3460.02	3480	3500.01	3520.02	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	21.98	21.74	21.52	21.09	20.81	22.00

n78(3700-3800MHz) (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						650000			
Frequency (MHz)						3750			
100	DFT-s-OFDM PI/2 BPSK	1	1			22.39			23.50
100		1	136			22.55			
100		1	271			22.60			
100		135	1			22.28			23.50
100		135	67			22.61			
100		135	136			21.96			
100		270	0			22.09			
100	DFT-s-OFDM QPSK	1	1			23.18			24.00
100		1	136			22.56			
100		1	271			22.60			
100		135	1			21.80			23.00
100		135	67			22.58			
100		135	136			21.43			
100		270	0			21.58			
100	DFT-s-OFDM 16QAM	1	1			21.30			22.00
100	DFT-s-OFDM 64QAM	1	1			19.97			20.50
100	DFT-s-OFDM 256QAM	1	1			17.73			18.50
100	CP-OFDM QPSK	1	1			20.89			21.50
100	CP-OFDM 16QAM	1	1			20.44			21.00
100	CP-OFDM 64QAM	1	1			18.47			19.00
100	CP-OFDM 256QAM	1	1			15.77			16.50
Channel				649668	649834	650000	650166	650332	Tune-up limit
Frequency (MHz)				3745.02	3747.51	3750	3752.49	3754.98	(dBm)
90	DFT-s-OFDM QPSK	1	1	22.37	22.40	22.41	22.47	22.51	23.50
Channel				649334	649666	650000	650334	650666	Tune-up limit
Frequency (MHz)				3740.01	3744.99	3750	3755.01	3759.99	(dBm)
80	DFT-s-OFDM QPSK	1	1	22.40	22.48	22.54	22.63	22.69	23.50
Channel				649000	649500	650000	650500	651000	Tune-up limit
Frequency (MHz)				3735	3742.5	3750	3757.5	3765	(dBm)
70	DFT-s-OFDM QPSK	1	1	22.44	22.56	22.67	22.79	22.75	23.50
Channel				648668	649334	650000	650666	651332	Tune-up limit
Frequency (MHz)				3730.02	3740.01	3750	3759.99	3769.98	(dBm)
60	DFT-s-OFDM QPSK	1	1	22.42	22.57	22.72	22.73	22.63	23.50
Channel				648334	649166	650000	650834	651666	Tune-up limit
Frequency (MHz)				3725.01	3737.49	3750	3762.51	3774.99	(dBm)
50	DFT-s-OFDM QPSK	1	1	22.54	22.75	22.90	22.75	22.64	23.50
Channel				648000	649000	650000	651000	652000	Tune-up limit
Frequency (MHz)				3720	3735	3750	3765	3780	(dBm)
40	DFT-s-OFDM QPSK	1	1	22.79	23.14	23.15	23.04	22.98	23.50
Channel				647668	648834	650000	651166	652332	Tune-up limit
Frequency (MHz)				3715.02	3732.51	3750	3767.49	3784.98	(dBm)
30	DFT-s-OFDM QPSK	1	1	22.78	23.05	23.04	22.85	22.78	23.50
Channel				647334	648666	650000	651334	652666	Tune-up limit
Frequency (MHz)				3710.01	3729.99	3750	3770.01	3789.99	(dBm)
20	DFT-s-OFDM QPSK	1	1	22.78	23.08	22.99	22.85	22.78	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						633334			
Frequency (MHz)						3500.01			
100	DFT-s-OFDM PI/2 BPSK	1	1			21.55			23
100		1	136			21.03			
100		1	271			20.74			
100		135	1			21.30			22
100		135	67			21.12			
100		135	136			20.58			
100		270	0			21.14			
100	DFT-s-OFDM QPSK	1	1			21.81			22.5
100		1	136			21.05			
100		1	271			20.79			
100		135	1			21.33			22
100		135	67			21.13			
100		135	136			20.62			
100		270	0			21.17			
100	DFT-s-OFDM 16QAM	1	1			21.51			22
100	DFT-s-OFDM 64QAM	1	1			21.58			22
100	DFT-s-OFDM 256QAM	1	1			19.81			20.5
100	CP-OFDM QPSK	1	1			21.56			23
100	CP-OFDM 16QAM	1	1			21.64			22
100	CP-OFDM 64QAM	1	1			20.73			21
100	CP-OFDM 256QAM	1	1			17.90			19
Channel				633000	633166	633334	633500	633666	Tune-up limit
Frequency (MHz)				3495	3497.49	3500.01	3502.5	3504.99	(dBm)
90	DFT-s-OFDM QPSK	1	1	21.54	21.50	21.47	21.45	21.43	23
Channel				632668	633000	633334	633666	634000	Tune-up limit
Frequency (MHz)				3490.02	3450	3500.01	3504.99	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	21.64	21.56	21.49	21.44	21.35	23
Channel				632334	632834	633334	633832	634332	Tune-up limit
Frequency (MHz)				3485.01	3492.51	3500.01	3507.48	3514.98	(dBm)
70	DFT-s-OFDM QPSK	1	1	21.62	21.56	21.45	21.35	21.26	23
Channel				632000	632666	633334	634000	634666	Tune-up limit
Frequency (MHz)				3480	3489.99	3500.01	3510	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	21.66	21.57	21.42	21.30	21.23	23
Channel				631668	632500	633334	634166	635000	Tune-up limit
Frequency (MHz)				3475.02	3487.5	3500.01	3512.49	3525	(dBm)
50	DFT-s-OFDM QPSK	1	1	21.67	21.54	21.35	21.21	21.12	23
Channel				631334	636672	633334	634334	635332	Tune-up limit
Frequency (MHz)				3470.01	3485.01	3500.01	3515.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	22.04	20.95	21.66	21.52	21.14	23
Channel				631000	632166	633334	634500	635666	Tune-up limit
Frequency (MHz)				3465	3482.49	3500.01	3517.5	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	22.00	21.76	21.54	21.35	20.85	23
Channel				630668	632000	633334	634668	636000	Tune-up limit
Frequency (MHz)				3460.02	3480	3500.01	3520.02	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	21.89	21.61	21.41	21.04	20.79	23

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						650000			
Frequency (MHz)						3750			
100	DFT-s-OFDM PI/2 BPSK	1	1			22.36			23.5
100		1	136			22.55			
100		1	271			22.61			
100		135	1			22.74			23.5
100		135	67			22.59			
100		135	136			22.41			
100		270	0			22.55			
100	DFT-s-OFDM QPSK	1	1			22.82			23.5
100		1	136			22.52			
100		1	271			22.57			
100		135	1			22.62			23
100		135	67			22.59			
100		135	136			22.54			
100		270	0			22.57			
100	DFT-s-OFDM 16QAM	1	1			22.25			22.5
100	DFT-s-OFDM 64QAM	1	1			22.55			21.5
100	DFT-s-OFDM 256QAM	1	1			20.73			21.5
100	CP-OFDM QPSK	1	1			22.39			23
100	CP-OFDM 16QAM	1	1			22.48			23
100	CP-OFDM 64QAM	1	1			21.52			22
100	CP-OFDM 256QAM	1	1			18.69			18
Channel				649668	649834	650000	650166	650332	Tune-up limit
Frequency (MHz)				3745.02	3747.51	3750	3752.49	3754.98	(dBm)
90	DFT-s-OFDM QPSK	1	1	22.36	22.38	22.41	22.45	22.54	23.5
Channel				649334	649666	650000	650334	650666	Tune-up limit
Frequency (MHz)				3740.01	3744.99	3750	3755.01	3759.99	(dBm)
80	DFT-s-OFDM QPSK	1	1	22.42	22.48	22.53	22.63	22.72	23.5
Channel				649000	649500	650000	650500	651000	Tune-up limit
Frequency (MHz)				3735	3742.5	3750	3757.5	3765	(dBm)
70	DFT-s-OFDM QPSK	1	1	22.42	22.52	22.68	22.72	22.75	23.5
Channel				648668	649334	650000	650666	651332	Tune-up limit
Frequency (MHz)				3730.02	3740.01	3750	3759.99	3769.98	(dBm)
60	DFT-s-OFDM QPSK	1	1	22.42	22.57	22.68	22.71	22.61	23.5
Channel				648334	649166	650000	650834	651666	Tune-up limit
Frequency (MHz)				3725.01	3737.49	3750	3762.51	3774.99	(dBm)
50	DFT-s-OFDM QPSK	1	1	22.54	22.74	22.84	22.76	22.65	23.5
Channel				648000	649000	650000	651000	652000	Tune-up limit
Frequency (MHz)				3720	3735	3750	3765	3780	(dBm)
40	DFT-s-OFDM QPSK	1	1	22.81	23.11	23.20	23.05	22.96	23.5
Channel				647668	648834	650000	651166	652332	Tune-up limit
Frequency (MHz)				3715.02	3732.51	3750	3767.49	3784.98	(dBm)
30	DFT-s-OFDM QPSK	1	1	22.75	23.04	23.01	22.85	22.77	23.5
Channel				647334	648666	650000	651334	652666	Tune-up limit
Frequency (MHz)				3710.01	3729.99	3750	3770.01	3789.99	(dBm)
20	DFT-s-OFDM QPSK	1	1	22.67	23.05	22.96	22.81	22.76	23.5

B4_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	22.93	22.92	22.76	23.50
20		1	53	22.90	22.74	22.64	
20		1	104	22.89	22.67	22.68	
20		50	1	22.61	22.54	22.39	23.50
20		50	25	22.94	22.91	22.73	
20		50	50	22.50	22.41	22.37	
20		100	0	22.52	22.44	22.33	
20	DFT-s-OFDM QPSK	1	1	22.90	23.04	22.93	23.50
20		1	53	22.82	22.83	22.64	
20		1	104	22.81	22.81	22.73	
20		50	1	22.03	21.95	21.87	23.50
20		50	25	22.85	22.88	22.83	
20		50	50	22.08	21.59	21.86	
20		100	0	22.04	22.05	21.82	
20	DFT-s-OFDM 16QAM	1	1	22.01	22.00	21.95	22.50
20	DFT-s-OFDM 64QAM	1	1	20.23	20.50	20.60	21.00
20	DFT-s-OFDM 256QAM	1	1	18.54	18.50	18.46	19.00
20	CP-OFDM QPSK	1	1	21.55	21.44	21.34	22.00
20	CP-OFDM 16QAM	1	1	20.96	21.02	20.91	21.50
20	CP-OFDM 64QAM	1	1	19.51	19.48	19.41	20.00
20	CP-OFDM 256QAM	1	1	16.56	16.56	16.46	17.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	22.98	22.91	22.71	23.50
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	22.95	22.94	22.75	23.50
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	22.94	22.86	22.81	23.50

B5_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	22.83	22.85	22.69	23.50
20		1	53	22.86	22.77	22.64	
20		1	104	22.79	22.69	22.77	
20		50	1	22.61	22.55	22.40	23.50
20		50	25	23.02	22.96	22.70	
20		50	50	22.53	22.44	22.33	
20		100	0	22.50	22.43	22.04	
20	DFT-s-OFDM QPSK	1	1	22.94	23.04	22.93	23.50
20		1	53	22.83	22.80	22.63	
20		1	104	22.79	22.70	22.19	
20		50	1	21.64	21.96	21.94	23.50
20		50	25	23.01	22.89	22.71	
20		50	50	21.98	21.94	21.55	
20		100	0	22.03	21.96	22.06	
20	DFT-s-OFDM 16QAM	1	1	22.05	22.02	21.88	22.50
20	DFT-s-OFDM 64QAM	1	1	20.57	20.48	20.34	21.00
20	DFT-s-OFDM 256QAM	1	1	18.54	18.53	18.41	19.00
20	CP-OFDM QPSK	1	1	21.50	21.48	21.34	22.00
20	CP-OFDM 16QAM	1	1	21.01	21.00	20.89	21.50
20	CP-OFDM 64QAM	1	1	19.48	19.47	19.04	20.00
20	CP-OFDM 256QAM	1	1	16.55	16.54	16.46	17.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	22.91	22.85	22.72	23.50
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	22.96	22.93	22.77	23.50
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	23.03	22.98	22.84	23.50

B7_n2 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	24.00
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.10	23.08	22.95	24.00
20		1	53	23.15	23.04	22.83	
20		1	104	23.06	22.88	22.86	
20		50	1	22.99	22.87	22.66	24.00
20		50	25	23.15	23.16	23.02	
20		50	50	22.81	22.61	22.46	
20		100	0	22.85	22.76	22.45	
20	DFT-s-OFDM QPSK	1	1	23.10	23.11	22.93	24.00
20		1	53	23.17	23.15	23.07	
20		1	104	23.09	22.91	22.90	
20		50	1	22.54	22.29	22.01	24.00
20		50	25	23.15	23.15	22.82	
20		50	50	22.31	22.12	21.97	
20		100	0	22.34	22.26	22.04	
20	DFT-s-OFDM 16QAM	1	1	22.26	22.39	22.31	23.00
20	DFT-s-OFDM 64QAM	1	1	21.12	20.76	20.75	21.50
20	DFT-s-OFDM 256QAM	1	1	18.97	18.79	18.56	19.50
20	CP-OFDM QPSK	1	1	21.83	21.73	21.59	22.50
20	CP-OFDM 16QAM	1	1	21.35	21.26	21.13	22.00
20	CP-OFDM 64QAM	1	1	19.87	19.77	19.65	20.50
20	CP-OFDM 256QAM	1	1	16.96	16.83	16.59	17.50
Channel				371500	376000	380500	24.00
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	23.15	23.12	22.94	24.00
Channel				371000	376000	381000	24.00
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	23.14	23.09	22.87	24.00
Channel				370500	376000	381500	24.00
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	23.13	23.14	22.92	24.00

B2_n7 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	23.00
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.07	22.30	22.38	23.00
20		1	53	22.12	22.33	22.48	
20		1	104	18.62	22.43	22.59	
20		50	1	21.88	22.09	22.05	23.00
20		50	25	22.15	22.34	22.45	
20		50	50	21.75	21.98	22.08	
20		100	0	21.92	22.20	22.09	
20	DFT-s-OFDM QPSK	1	1	22.59	22.49	22.62	23.00
20		1	53	22.31	22.36	22.58	
20		1	104	22.22	22.48	22.42	
20		50	1	21.25	21.41	21.52	23.00
20		50	25	22.13	22.36	22.25	
20		50	50	21.30	21.50	21.78	
20		100	0	21.37	21.67	21.57	
20	DFT-s-OFDM 16QAM	1	1	21.54	21.47	21.77	22.50
20	DFT-s-OFDM 64QAM	1	1	20.15	20.29	20.48	21.00
20	DFT-s-OFDM 256QAM	1	1	17.78	17.83	17.90	18.50
20	CP-OFDM QPSK	1	1	20.70	20.94	21.10	21.50
20	CP-OFDM 16QAM	1	1	20.27	20.39	20.72	21.50
20	CP-OFDM 64QAM	1	1	18.78	19.01	19.13	20.00
20	CP-OFDM 256QAM	1	1	15.73	15.79	15.96	16.50
Channel				501500	507000	512500	23.00
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	22.11	22.40	22.54	23.00
Channel				501000	507000	513000	23.00
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	22.10	22.27	22.46	23.00
Channel				500500	507000	513500	23.00
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	22.09	22.28	22.52	23.00

B4_n7 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	23.00
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.16	22.28	22.40	23.00
20		1	53	22.17	22.36	22.51	
20		1	104	22.29	22.39	22.50	
20		50	1	21.72	21.89	22.12	23.00
20		50	25	22.19	22.36	22.49	
20		50	50	21.78	21.94	21.63	
20		100	0	21.77	21.93	22.28	
20	DFT-s-OFDM QPSK	1	1	22.53	22.47	22.64	23.00
20		1	53	22.29	22.37	22.53	
20		1	104	22.34	22.42	22.57	
20		50	1	21.27	21.44	21.57	23.00
20		50	25	22.42	22.35	22.51	
20		50	50	21.56	21.51	21.61	
20		100	0	21.23	21.42	21.61	
20	DFT-s-OFDM 16QAM	1	1	21.29	21.48	21.79	22.50
20	DFT-s-OFDM 64QAM	1	1	19.98	19.94	20.27	21.00
20	DFT-s-OFDM 256QAM	1	1	17.72	17.86	17.94	18.50
20	CP-OFDM QPSK	1	1	20.82	20.93	21.10	21.50
20	CP-OFDM 16QAM	1	1	20.33	20.47	20.49	21.00
20	CP-OFDM 64QAM	1	1	18.85	19.00	19.18	19.50
20	CP-OFDM 256QAM	1	1	15.67	15.81	15.92	16.50
Channel				501500	507000	512500	23.00
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	22.13	22.40	22.46	23.00
Channel				501000	507000	513000	23.00
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	22.03	22.33	22.46	23.00
Channel				500500	507000	513500	23.00
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	22.10	22.32	22.52	23.00

B5_n7 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.13	22.32	22.39	23.50
20		1	53	22.30	22.39	22.50	
20		1	104	22.26	22.53	22.62	
20		50	1	21.71	22.07	22.30	23.00
20		50	25	22.29	22.34	22.47	
20		50	50	21.80	21.99	22.09	
20		100	0	21.74	22.11	22.17	
20	DFT-s-OFDM QPSK	1	1	22.51	22.69	22.71	23.50
20		1	53	22.18	22.37	22.51	
20		1	104	22.29	22.51	22.55	
20		50	1	21.25	21.57	21.55	23.00
20		50	25	22.29	22.38	22.41	
20		50	50	21.30	21.50	21.78	
20		100	0	21.31	21.64	21.60	
20	DFT-s-OFDM 16QAM	1	1	21.32	21.46	21.78	22.50
20	DFT-s-OFDM 64QAM	1	1	19.81	19.97	20.53	21.00
20	DFT-s-OFDM 256QAM	1	1	17.70	17.82	17.93	18.50
20	CP-OFDM QPSK	1	1	20.76	20.91	21.10	21.50
20	CP-OFDM 16QAM	1	1	20.29	20.48	20.67	20.50
20	CP-OFDM 64QAM	1	1	18.82	19.00	19.17	19.50
20	CP-OFDM 256QAM	1	1	15.67	15.87	15.96	15.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM QPSK	1	1	22.15	22.33	22.47	23.50
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM QPSK	1	1	22.02	22.32	22.37	23.50
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM QPSK	1	1	22.12	22.30	22.55	23.50

B5_n25 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.07	23.05	22.94	23.50
20		1	53	23.13	23.00	22.94	
20		1	104	23.07	22.98	23.04	
20		50	1	22.71	22.74	22.49	23.50
20		50	25	23.11	23.10	22.95	
20		50	50	22.72	22.60	22.60	
20		100	0	22.75	22.63	22.56	
20	DFT-s-OFDM QPSK	1	1	23.17	23.03	22.94	24.00
20		1	53	23.11	23.03	22.94	
20		1	104	23.07	22.96	23.04	
20		50	1	22.19	22.27	22.01	23.50
20		50	25	23.05	23.03	22.98	
20		50	50	22.31	22.11	22.11	
20		100	0	22.21	22.29	22.05	
20	DFT-s-OFDM 16QAM	1	1	22.24	22.30	22.00	23.00
20	DFT-s-OFDM 64QAM	1	1	20.69	20.71	20.60	21.50
20	DFT-s-OFDM 256QAM	1	1	18.66	18.62	18.50	19.00
20	CP-OFDM QPSK	1	1	21.66	21.77	21.50	22.50
20	CP-OFDM 16QAM	1	1	21.21	21.19	21.04	22.00
20	CP-OFDM 64QAM	1	1	19.74	19.69	19.62	20.50
20	CP-OFDM 256QAM	1	1	16.65	16.63	16.53	17.00
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	DFT-s-OFDM QPSK	1	1	23.07	23.04	22.88	23.50
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	DFT-s-OFDM QPSK	1	1	23.11	22.93	22.83	23.50
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	DFT-s-OFDM QPSK	1	1	23.15	23.02	22.90	23.50

B7_n25 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376500	381000	24.00
Frequency (MHz)				1860	1882.5	1905	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.34	23.18	23.09	24.00
20		1	53	23.30	23.09	23.11	
20		1	104	23.29	23.28	23.07	
20		50	1	22.96	22.91	22.78	24.00
20		50	25	23.34	23.13	23.17	
20		50	50	22.99	22.70	22.69	
20		100	0	22.94	22.81	22.72	
20	DFT-s-OFDM QPSK	1	1	23.43	23.32	23.28	24.00
20		1	53	23.33	23.11	23.14	
20		1	104	23.26	23.06	23.11	
20		50	1	22.44	22.26	22.28	24.00
20		50	25	23.33	23.25	23.23	
20		50	50	22.43	22.30	22.22	
20		100	0	22.44	22.22	22.21	
20	DFT-s-OFDM 16QAM	1	1	22.52	22.40	22.38	23.00
20	DFT-s-OFDM 64QAM	1	1	20.98	20.52	20.87	21.50
20	DFT-s-OFDM 256QAM	1	1	18.90	18.82	18.70	19.50
20	CP-OFDM QPSK	1	1	22.04	21.85	21.75	22.50
20	CP-OFDM 16QAM	1	1	21.46	21.52	21.23	22.00
20	CP-OFDM 64QAM	1	1	19.97	19.91	19.73	20.50
20	CP-OFDM 256QAM	1	1	16.90	16.82	16.71	17.50
Channel				371500	376500	381500	24.00
Frequency (MHz)				1857.5	1882.5	1907.5	
15	DFT-s-OFDM QPSK	1	1	23.36	23.22	23.10	24.00
Channel				371000	376500	382000	24.00
Frequency (MHz)				1855	1882.5	1910	
10	DFT-s-OFDM QPSK	1	1	23.33	23.09	23.07	24.00
Channel				370500	376500	382500	24.00
Frequency (MHz)				1852.5	1882.5	1912.5	
5	DFT-s-OFDM QPSK	1	1	23.41	23.23	23.06	24.00

B2_n38 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	Tune-up limit (dBm)
Frequency (MHz)				2590	2595	2600	
40	DFT-s-OFDM PI/2 BPSK	1	1	22.60	22.60	22.66	23.50
40		1	53	22.61	22.60	22.62	
40		1	104	22.65	22.71	22.72	
40		50	1	22.36	22.25	22.21	23.50
40		50	25	22.65	22.67	22.67	
40		50	50	20.16	22.25	22.23	
40		100	0	22.42	22.28	22.29	
40	DFT-s-OFDM QPSK	1	1	22.68	22.75	22.64	23.50
40		1	53	22.58	22.60	22.73	
40		1	104	22.72	22.71	22.70	
40		50	1	21.74	21.96	21.72	23.50
40		50	25	22.67	22.61	22.54	
40		50	50	21.77	21.77	21.73	
40		100	0	21.79	21.77	21.79	
40	DFT-s-OFDM 16QAM	1	1	21.98	21.99	22.16	23.00
40	DFT-s-OFDM 64QAM	1	1	20.29	20.72	20.44	21.50
40	DFT-s-OFDM 256QAM	1	1	18.35	18.40	18.43	19.00
40	CP-OFDM QPSK	1	1	21.07	21.16	21.15	22.00
40	CP-OFDM 16QAM	1	1	21.10	20.90	20.96	21.50
40	CP-OFDM 64QAM	1	1	19.84	19.36	19.88	20.50
40	CP-OFDM 256QAM	1	1	16.32	16.39	16.49	17.00
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	DFT-s-OFDM QPSK	1	1	22.72	22.71	22.48	23.50
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	DFT-s-OFDM QPSK	1	1	22.63	22.74	22.71	23.50

B4_n38 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	23.50
Frequency (MHz)				2590	2595	2600	
40	DFT-s-OFDM PI/2 BPSK	1	1	22.60	22.65	22.70	23.50
40		1	53	22.65	22.72	22.65	
40		1	104	22.72	22.75	19.77	
40		50	1	22.22	22.38	22.26	23.50
40		50	25	22.66	22.66	22.72	
40		50	50	22.41	20.27	20.27	
40		100	0	22.28	22.39	22.46	
40	DFT-s-OFDM QPSK	1	1	22.65	22.78	22.67	23.50
40		1	53	22.65	22.74	22.75	
40		1	104	22.72	22.74	22.75	
40		50	1	21.77	21.78	21.80	23.50
40		50	25	22.72	22.70	22.72	
40		50	50	21.76	21.78	21.77	
40		100	0	21.82	21.82	21.83	
40	DFT-s-OFDM 16QAM	1	1	22.01	22.04	22.09	22.50
40	DFT-s-OFDM 64QAM	1	1	20.41	20.38	20.45	21.00
40	DFT-s-OFDM 256QAM	1	1	18.42	18.40	18.45	19.00
40	CP-OFDM QPSK	1	1	21.15	21.18	21.23	22.00
40	CP-OFDM 16QAM	1	1	20.93	20.94	20.96	21.50
40	CP-OFDM 64QAM	1	1	19.40	19.47	19.42	20.00
40	CP-OFDM 256QAM	1	1	16.47	16.39	16.42	17.00
Channel				517000	519000	521000	23.50
Frequency (MHz)				2585	2595	2605	
30	DFT-s-OFDM QPSK	1	1	22.70	22.75	22.77	23.50
Channel				516000	519000	522000	23.50
Frequency (MHz)				2580	2595	2610	
20	DFT-s-OFDM QPSK	1	1	22.58	22.70	22.72	23.50

B5_n38 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	23.50
Frequency (MHz)				2590	2595	2600	
40	DFT-s-OFDM PI/2 BPSK	1	1	22.45	22.46	22.49	23.50
40		1	53	22.67	22.53	22.46	
40		1	104	22.52	22.56	22.57	
40		50	1	22.02	22.06	22.20	23.50
40		50	25	22.64	22.61	22.50	
40		50	50	22.15	22.09	22.07	
40		100	0	22.06	22.12	22.12	
40	DFT-s-OFDM QPSK	1	1	22.63	22.75	22.65	23.50
40		1	53	22.52	22.55	22.50	
40		1	104	19.19	22.54	22.59	
40		50	1	21.83	21.58	21.69	23.50
40		50	25	22.60	22.68	22.72	
40		50	50	21.71	21.85	21.62	
40		100	0	21.69	21.90	21.75	
40	DFT-s-OFDM 16QAM	1	1	21.85	22.00	21.92	22.50
40	DFT-s-OFDM 64QAM	1	1	20.21	20.23	20.33	21.00
40	DFT-s-OFDM 256QAM	1	1	18.26	18.29	18.28	19.00
40	CP-OFDM QPSK	1	1	20.98	21.01	21.07	21.50
40	CP-OFDM 16QAM	1	1	20.72	20.73	20.82	21.50
40	CP-OFDM 64QAM	1	1	19.21	19.28	19.76	20.50
40	CP-OFDM 256QAM	1	1	16.21	16.31	16.33	17.00
Channel				517000	519000	521000	23.50
Frequency (MHz)				2585	2595	2605	
30	DFT-s-OFDM QPSK	1	1	22.43	22.45	22.62	23.50
Channel				516000	519000	522000	23.50
Frequency (MHz)				2580	2595	2610	
20	DFT-s-OFDM QPSK	1	1	22.58	22.69	22.72	23.50

B2_n41 (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	26.50
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	24.96	25.17	25.56	26.50
100		1	136	25.19	25.51	25.71	
100		1	271	25.57	25.71	25.56	
100		135	1	17.85	25.07	25.23	26.50
100		135	67	25.32	25.63	25.77	
100		135	136	25.08	25.21	25.03	
100		270	0	24.93	25.20	25.25	
100	DFT-s-OFDM QPSK	1	1	25.69	25.78	25.64	26.50
100		1	136	25.13	25.28	25.44	
100		1	271	25.56	25.69	25.52	
100		135	1	24.27	24.59	24.73	26.50
100		135	67	25.63	25.59	25.74	
100		135	136	24.60	24.74	24.65	
100		270	0	24.64	24.74	24.88	
100	DFT-s-OFDM 16QAM	1	1	24.63	24.58	24.89	25.50
100	DFT-s-OFDM 64QAM	1	1	23.14	23.34	23.05	24.00
100	DFT-s-OFDM 256QAM	1	1	20.84	21.03	21.08	21.50
100	CP-OFDM QPSK	1	1	24.07	23.78	24.14	25.00
100	CP-OFDM 16QAM	1	1	23.59	23.67	23.80	24.50
100	CP-OFDM 64QAM	1	1	22.13	22.15	22.33	23.00
100	CP-OFDM 256QAM	1	1	19.18	18.99	19.32	20.00
Channel				508200	518598	528996	26.50
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	24.59	25.19	25.50	26.50
Channel				507204	518598	529998	26.50
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	24.76	25.23	25.68	26.50
Channel				506202	518598	531000	26.50
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	24.68	25.36	25.74	26.50
Channel				505200	518598	531996	26.50
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	24.46	24.97	25.29	26.50
Channel				504204	518598	532998	26.50
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	24.65	25.24	25.49	26.50
Channel				503202	518598	534000	26.50
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	24.93	25.63	25.71	26.50
Channel				502200	518598	534996	26.50
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	24.67	25.59	25.65	26.50
Channel				501204	518598	535998	26.50
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	24.91	25.71	25.60	26.50

B4_n41 (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	26.50
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	24.92	25.21	25.56	26.50
100		1	136	25.20	25.54	25.60	
100		1	271	25.63	25.70	25.53	
100		135	1	24.66	25.09	25.21	26.50
100		135	67	25.33	25.62	25.23	
100		135	136	25.11	25.23	25.09	
100		270	0	24.95	25.23	25.31	
100	DFT-s-OFDM QPSK	1	1	25.33	25.20	25.53	26.50
100		1	136	25.71	25.65	25.76	
100		1	271	25.59	25.64	25.66	
100		135	1	24.19	24.61	24.85	26.50
100		135	67	25.25	25.63	25.73	
100		135	136	24.55	24.72	24.54	
100		270	0	24.43	24.77	24.77	
100	DFT-s-OFDM 16QAM	1	1	24.71	24.82	24.96	25.50
100	DFT-s-OFDM 64QAM	1	1	23.04	23.02	23.40	24.00
100	DFT-s-OFDM 256QAM	1	1	21.14	21.28	21.41	22.00
100	CP-OFDM QPSK	1	1	23.94	24.08	24.11	24.50
100	CP-OFDM 16QAM	1	1	23.79	23.86	23.94	24.50
100	CP-OFDM 64QAM	1	1	22.37	22.27	22.42	23.00
100	CP-OFDM 256QAM	1	1	19.18	19.26	19.33	20.00
Channel				508200	518598	528996	26.50
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	24.74	25.20	25.54	26.50
Channel				507204	518598	529998	26.50
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	24.87	25.23	25.68	26.50
Channel				506202	518598	531000	26.50
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	24.77	25.43	25.75	26.50
Channel				505200	518598	531996	26.50
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	24.46	25.43	25.71	26.50
Channel				504204	518598	532998	26.50
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	24.69	25.70	25.62	26.50
Channel				503202	518598	534000	26.50
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	24.96	25.66	25.68	26.50
Channel				502200	518598	534996	26.50
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	24.70	25.59	25.67	26.50
Channel				501204	518598	535998	26.50
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	24.95	25.68	25.66	26.50

B5_n41 (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	26.50
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	25.03	25.32	25.65	26.50
100		1	136	25.27	25.59	25.69	
100		1	271	25.72	25.75	25.61	
100		135	1	24.78	25.04	25.30	26.50
100		135	67	25.31	25.60	25.72	
100		135	136	25.03	25.28	25.18	
100	DFT-s-OFDM QPSK	270	0	24.90	25.23	25.40	26.50
100		1	1	25.48	25.56	25.53	
100		1	136	25.72	25.74	25.78	
100		1	271	25.36	25.19	25.63	26.50
100		135	1	24.24	24.55	24.82	
100		135	67	25.32	25.70	25.72	
100	DFT-s-OFDM 16QAM	135	136	24.66	24.81	24.65	26.50
100	DFT-s-OFDM 64QAM	270	0	24.64	24.72	24.86	
100	DFT-s-OFDM 256QAM	1	1	24.88	24.75	25.04	
100	CP-OFDM QPSK	1	1	23.57	23.81	23.45	24.50
100	CP-OFDM 16QAM	1	1	21.37	21.42	21.58	22.00
100	CP-OFDM 64QAM	1	1	23.92	23.92	24.08	24.50
100	CP-OFDM 256QAM	1	1	23.75	23.75	24.00	24.50
100		1	1	22.25	22.44	22.53	23.00
100		1	1	19.19	19.10	19.39	20.00
Channel				508200	518598	528996	26.50
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	24.66	25.26	25.61	26.50
Channel				507204	518598	529998	26.50
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	24.81	25.23	25.65	26.50
Channel				506202	518598	531000	26.50
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	24.73	25.43	25.75	26.50
Channel				505200	518598	531996	26.50
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	24.67	25.57	25.77	26.50
Channel				504204	518598	532998	26.50
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	24.70	25.68	25.72	26.50
Channel				503202	518598	534000	26.50
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	24.98	25.69	25.61	26.50
Channel				502200	518598	534996	26.50
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	24.72	25.70	25.56	26.50
Channel				501204	518598	535998	26.50
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	24.98	25.70	25.62	26.50

B2_n77(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		24.61		25.00
100		1	136		24.28		
100		1	271		24.33		
100		135	1		23.94		24.00
100		135	67		24.25		
100		135	136		23.54		
100		270	0		23.94		
100	DFT-s-OFDM QPSK	1	1		24.65		25.50
100		1	136		24.26		
100		1	271		24.30		
100		135	1		23.48		25.00
100		135	67		24.28		
100		135	136		24.06		
100		270	0		23.43		
100	DFT-s-OFDM 16QAM	1	1		19.04		19.50
100	DFT-s-OFDM 64QAM	1	1		22.21		23.00
100	DFT-s-OFDM 256QAM	1	1		20.22		21.00
100	CP-OFDM QPSK	1	1		23.23		24.00
100	CP-OFDM 16QAM	1	1		22.70		23.50
100	CP-OFDM 64QAM	1	1		21.18		22.00
100	CP-OFDM 256QAM	1	1		18.21		19.00
Channel				632668	633334	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	24.62	24.50	24.39	25.00
Channel				632000	633334	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.61	24.47	24.34	25.00
Channel				631334	633334	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	25.00	24.69	24.42	25.00
Channel				631000	633334	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	24.97	24.63	24.19	25.00
Channel				630668	633334	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.95	24.47	24.13	25.00

B2_n77(3700-3980MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	26.00
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	25.15	24.92	24.98	26.00
100		1	136	25.11	25.16	24.19	
100		1	271	25.04	24.98	24.08	
100		135	1	24.99	24.55	24.25	26.00
100		135	67	25.01	25.16	24.29	
100		135	136	24.61	24.49	23.81	
100		270	0	24.75	24.76	24.05	
100	DFT-s-OFDM QPSK	1	1	25.13	24.94	24.94	26.00
100		1	136	25.13	25.17	25.12	
100		1	271	25.05	24.93	24.20	
100		135	1	24.48	24.08	23.76	26.00
100		135	67	25.12	25.16	25.09	
100		135	136	24.04	23.98	24.05	
100		270	0	24.23	24.16	24.06	
100	DFT-s-OFDM 16QAM	1	1	24.29	24.02	24.06	25.00
100	DFT-s-OFDM 64QAM	1	1	22.97	22.71	22.86	23.50
100	DFT-s-OFDM 256QAM	1	1	20.58	20.36	20.39	21.00
100	CP-OFDM QPSK	1	1	23.75	23.50	23.53	24.50
100	CP-OFDM 16QAM	1	1	23.32	23.11	23.14	24.00
100	CP-OFDM 64QAM	1	1	21.84	21.60	21.64	22.50
100	CP-OFDM 256QAM	1	1	18.72	18.49	18.53	19.00
Channel				649334	656000	662666	26.00
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	25.08	25.00	24.91	26.00
Channel				648668	656000	663332	26.00
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	25.12	24.93	24.93	26.00
Channel				648000	656000	664000	26.00
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	25.09	25.12	25.06	26.00
Channel				647668	656000	664332	26.00
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	25.02	25.04	25.02	26.00
Channel				647334	656000	664666	26.00
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	25.15	25.03	24.94	26.00

B5_n77(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		25.00
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		24.61		25.00
100		1	136		24.28		
100		1	271		24.31		
100		135	1		24.00		
100		135	67		24.30		25.00
100		135	136		23.58		
100		270	0		23.04		
100	DFT-s-OFDM QPSK	1	1		24.62		25.00
100		1	136		24.18		
100		1	271		24.31		
100		135	1		23.48		
100		135	67		24.26		25.00
100		135	136		23.14		
100		270	0		23.41		
100	DFT-s-OFDM 16QAM	1	1		23.72		24.50
100	DFT-s-OFDM 64QAM	1	1		22.23		23.00
100	DFT-s-OFDM 256QAM	1	1		20.21		21.00
100	CP-OFDM QPSK	1	1		23.20		24.00
100	CP-OFDM 16QAM	1	1		22.65		23.00
100	CP-OFDM 64QAM	1	1		21.20		22.00
100	CP-OFDM 256QAM	1	1		18.22		19.00
Channel				632668	633334	634000	25.00
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	24.60	24.51	24.41	25.00
Channel				632000	633334	634666	25.00
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.56	24.50	24.41	25.00
Channel				631334	633334	635332	25.00
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.50	24.52	24.43	25.00
Channel				631000	633334	635666	25.00
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	24.57	24.46	24.19	25.00
Channel				630668	633334	636000	25.00
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.59	24.54	24.14	25.00

B5_n77(3700-3980MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	26.00
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	25.15	24.88	25.02	26.00
100		1	136	25.14	25.16	24.21	
100		1	271	25.10	24.95	24.11	
100		135	1	24.19	24.50	24.29	26.00
100		135	67	25.14	25.16	24.30	
100		135	136	24.55	24.39	23.87	
100		270	0	24.78	24.76	24.06	
100	DFT-s-OFDM QPSK	1	1	25.19	25.15	25.09	26.00
100		1	136	25.05	24.37	24.22	
100		1	271	25.09	24.96	24.09	
100		135	1	23.95	23.99	23.77	26.00
100		135	67	25.17	25.17	25.13	
100		135	136	24.07	23.88	23.29	
100		270	0	24.26	24.19	23.55	
100	DFT-s-OFDM 16QAM	1	1	24.06	23.96	24.13	24.50
100	DFT-s-OFDM 64QAM	1	1	22.78	22.61	22.70	23.50
100	DFT-s-OFDM 256QAM	1	1	20.75	20.29	20.42	21.00
100	CP-OFDM QPSK	1	1	23.75	23.41	23.56	24.50
100	CP-OFDM 16QAM	1	1	23.42	23.33	23.22	24.00
100	CP-OFDM 64QAM	1	1	21.95	21.53	21.62	22.50
100	CP-OFDM 256QAM	1	1	18.72	18.38	18.45	19.50
Channel				649334	656000	662666	26.00
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	25.08	25.01	24.95	26.00
Channel				648668	656000	663332	26.00
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	25.04	24.94	24.83	26.00
Channel				648000	656000	664000	26.00
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	25.07	25.05	24.86	26.00
Channel				647668	656000	664332	26.00
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	25.14	25.12	24.95	26.00
Channel				647334	656000	664666	26.00
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	25.10	25.09	24.94	26.00

B7_n77(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		25.65		26.50
100		1	136		25.93		
100		1	271		25.33		
100		135	1		25.24		26.00
100		135	67		25.04		
100		135	136		24.89		
100		270	0		25.17		
100	DFT-s-OFDM QPSK	1	1		26.02		26.50
100		1	136		25.64		
100		1	271		25.36		
100		135	1		24.79		26.00
100		135	67		25.65		
100		135	136		24.41		
100		270	0		24.75		
100	DFT-s-OFDM 16QAM	1	1		24.79		25.50
100	DFT-s-OFDM 64QAM	1	1		23.31		24.00
100	DFT-s-OFDM 256QAM	1	1		21.32		22.00
100	CP-OFDM QPSK	1	1		24.29		25.00
100	CP-OFDM 16QAM	1	1		23.79		24.50
100	CP-OFDM 64QAM	1	1		22.32		23.00
100	CP-OFDM 256QAM	1	1		19.29		20.00
Channel				632668	633334	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	25.62	25.69	25.62	26.50
Channel				632000	633334	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	25.69	25.68	25.70	26.50
Channel				631334	633334	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	25.90	25.95	25.86	26.50
Channel				631000	633334	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	25.96	25.91	25.49	26.50
Channel				630668	633334	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	25.87	25.91	25.30	26.50

B7_n77(3700-3980MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	26.00
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	25.36	25.45	25.11	26.00
100		1	136	25.22	25.30	24.77	
100		1	271	25.17	25.20	25.13	
100		135	1	25.17	24.62	24.58	26.00
100		135	67	25.24	25.33	24.87	
100		135	136	24.65	24.59	24.60	
100		270	0	24.96	24.87	24.53	
100	DFT-s-OFDM QPSK	1	1	25.28	25.61	25.35	26.00
100		1	136	25.13	25.30	25.16	
100		1	271	25.19	25.09	25.14	
100		135	1	24.71	24.17	24.09	26.00
100		135	67	25.26	25.32	25.22	
100		135	136	24.17	24.08	24.13	
100		270	0	24.35	24.41	24.19	
100	DFT-s-OFDM 16QAM	1	1	24.38	24.09	24.19	25.00
100	DFT-s-OFDM 64QAM	1	1	22.97	22.68	22.78	24.00
100	DFT-s-OFDM 256QAM	1	1	20.94	20.62	20.76	21.00
100	CP-OFDM QPSK	1	1	23.95	23.65	23.83	25.00
100	CP-OFDM 16QAM	1	1	23.42	23.12	23.21	24.00
100	CP-OFDM 64QAM	1	1	21.88	21.66	21.76	23.00
100	CP-OFDM 256QAM	1	1	18.95	18.74	18.87	19.00
Channel				649334	656000	662666	26.00
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	25.34	25.20	25.09	26.00
Channel				648668	656000	663332	26.00
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	25.43	25.15	24.41	26.00
Channel				648000	656000	664000	26.00
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	25.36	25.28	25.17	26.00
Channel				647668	656000	664332	26.00
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	25.60	25.53	25.23	26.00
Channel				647334	656000	664666	26.00
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	25.56	25.40	25.33	26.00

B41_n77(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		25.5
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		24.66		25.5
100		1	136		24.67		
100		1	271		24.52		
100		135	1		24.07		
100		135	67		24.73		25.5
100		135	136		23.91		
100		270	0		24.10		
100	DFT-s-OFDM QPSK	1	1		24.76		25.5
100		1	136		24.65		
100		1	271		24.57		
100		135	1		23.57		
100		135	67		24.64		25.5
100		135	136		23.50		
100		270	0		23.66		
100	DFT-s-OFDM 16QAM	1	1		23.61		24.5
100	DFT-s-OFDM 64QAM	1	1		22.22		23
100	DFT-s-OFDM 256QAM	1	1		20.16		21
100	CP-OFDM QPSK	1	1		23.15		24
100	CP-OFDM 16QAM	1	1		22.65		23
100	CP-OFDM 64QAM	1	1		21.17		22
100	CP-OFDM 256QAM	1	1		18.18		19
Channel				632668	633334	634000	25.5
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	24.73	24.75	24.71	25.5
Channel				632000	633334	634666	25.5
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.75	24.73	24.52	25.5
Channel				631334	633334	635332	25.5
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.71	24.58	24.68	25.5
Channel				631000	633334	635666	25.5
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	24.62	24.57	24.61	25.5
Channel				630668	633334	636000	25.5
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.65	24.71	24.54	25.5

B41_n77(3700-3980MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	26.00
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	25.19	25.37	25.22	26.00
100		1	136	19.87	25.44	24.94	
100		1	271	25.45	25.19	25.03	
100		135	1	25.11	18.63	24.66	26.00
100		135	67	25.50	25.47	25.03	
100		135	136	24.84	24.62	24.55	
100		270	0	24.95	25.00	24.47	
100	DFT-s-OFDM QPSK	1	1	25.41	25.52	25.48	26.00
100		1	136	25.47	25.41	25.19	
100		1	271	25.05	25.17	25.01	
100		135	1	24.62	24.68	24.75	26.00
100		135	67	25.50	25.50	25.39	
100		135	136	24.35	20.05	21.96	
100		270	0	24.45	24.49	23.98	
100	DFT-s-OFDM 16QAM	1	1	24.09	24.40	24.18	25.00
100	DFT-s-OFDM 64QAM	1	1	22.70	23.02	22.86	23.50
100	DFT-s-OFDM 256QAM	1	1	20.42	20.66	20.51	21.00
100	CP-OFDM QPSK	1	1	23.62	23.86	23.70	24.50
100	CP-OFDM 16QAM	1	1	23.24	23.44	23.30	23.50
100	CP-OFDM 64QAM	1	1	21.69	21.90	21.76	22.50
100	CP-OFDM 256QAM	1	1	18.38	18.67	18.56	19.50
Channel				649334	656000	662666	26.00
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	25.22	25.40	25.19	26.00
Channel				648668	656000	663332	26.00
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	25.20	25.38	24.93	26.00
Channel				648000	656000	664000	26.00
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	25.56	25.28	25.27	26.00
Channel				647668	656000	664332	26.00
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	25.41	25.20	25.25	26.00
Channel				647334	656000	664666	26.00
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	25.48	25.56	25.29	26.00

B2_n78(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		25.50
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		24.69		25.50
100		1	136		24.33		
100		1	271		24.24		
100		135	1		24.09		
100		135	67		24.43		25.00
100		135	136		23.55		
100		270	0		23.98		
100	DFT-s-OFDM QPSK	1	1		24.76		25.50
100		1	136		24.31		
100		1	271		24.23		
100		135	1		23.59		
100		135	67		24.39		25.00
100		135	136		23.03		
100		270	0		23.54		
100	DFT-s-OFDM 16QAM	1	1		23.96		24.50
100	DFT-s-OFDM 64QAM	1	1		22.38		23.00
100	DFT-s-OFDM 256QAM	1	1		20.15		21.00
100	CP-OFDM QPSK	1	1		23.26		24.00
100	CP-OFDM 16QAM	1	1		22.94		23.50
100	CP-OFDM 64QAM	1	1		21.35		22.00
100	CP-OFDM 256QAM	1	1		18.18		19.00
Channel				633000	633334	633666	25.50
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.67	24.62	24.56	25.50
Channel				632668	633334	634000	25.50
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	24.70	24.65	24.54	25.50
Channel				632334	633334	634332	25.50
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	24.68	24.66	24.45	25.50
Channel				632000	633334	634666	25.50
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.71	24.59	24.47	25.50
Channel				631668	633334	635000	25.50
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	24.69	24.54	24.40	25.50
Channel				631334	633334	635332	25.50
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.55	24.61	24.47	25.50
Channel				631000	633334	635666	25.50
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	24.58	24.63	24.22	25.50
Channel				630668	633334	636000	25.50
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.63	24.71	24.16	25.50

B2_n78(3700-3800MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	DFT-s-OFDM PI/2 BPSK	1	1		25.29		26.00
100		1	136		25.28		
100		1	271		25.23		
100		135	1		25.14		26.00
100		135	67		25.18		
100		135	136		24.69		
100	DFT-s-OFDM QPSK	270	0		24.89		26.00
100		1	1		25.36		
100		1	136		25.24		
100		1	271		25.19		26.00
100		135	1		24.63		
100		135	67		25.28		
100		135	136		24.19		26.00
100		270	0		24.28		
100	DFT-s-OFDM 16QAM	1	1		24.43		25.00
100	DFT-s-OFDM 64QAM	1	1		22.99		23.50
100	DFT-s-OFDM 256QAM	1	1		20.63		21.00
100	CP-OFDM QPSK	1	1		23.80		24.50
100	CP-OFDM 16QAM	1	1		23.37		24.00
100	CP-OFDM 64QAM	1	1		21.95		22.50
100	CP-OFDM 256QAM	1	1		18.64		19.00
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	25.26	25.30	25.31	26.00
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	25.29	25.26	25.29	26.00
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	25.26	25.14	25.23	26.00
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	25.23	25.34	25.26	26.00
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	25.31	25.25	25.23	26.00
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	25.31	25.27	25.15	26.00
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	DFT-s-OFDM QPSK	1	1	25.20	25.29	25.33	26.00
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	25.25	25.31	25.28	26.00

B4_n78(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		25.00
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		24.63		25.00
100		1	136		24.30		
100		1	271		24.19		
100		135	1		24.05		25.00
100		135	67		24.32		
100		135	136		23.53		
100		270	0		23.97		
100	DFT-s-OFDM QPSK	1	1		24.65		25.00
100		1	136		24.26		
100		1	271		24.21		
100		135	1		23.54		25.00
100		135	67		24.41		
100		135	136		23.04		
100		270	0		23.47		
100	DFT-s-OFDM 16QAM	1	1		23.84		24.50
100	DFT-s-OFDM 64QAM	1	1		22.40		23.00
100	DFT-s-OFDM 256QAM	1	1		20.08		21.00
100	CP-OFDM QPSK	1	1		23.21		24.00
100	CP-OFDM 16QAM	1	1		22.88		23.50
100	CP-OFDM 64QAM	1	1		21.42		22.00
100	CP-OFDM 256QAM	1	1		18.25		19.00
Channel				633000	633334	633666	25.00
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.62	24.60	24.53	25.00
Channel				632668	633334	634000	25.00
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	24.61	24.60	24.49	25.00
Channel				632334	633334	634332	25.00
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	24.62	24.60	24.42	25.00
Channel				632000	633334	634666	25.00
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.64	24.56	24.42	25.00
Channel				631668	633334	635000	25.00
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	24.53	24.49	24.34	25.00
Channel				631334	633334	635332	25.00
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.58	24.48	24.10	25.00
Channel				631000	633334	635666	25.00
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	24.61	24.58	24.47	25.00
Channel				630668	633334	636000	25.00
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.47	24.53	24.39	25.00

B4_n78(3700-3800MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	DFT-s-OFDM PI/2 BPSK	1	1		25.35		26.00
100		1	136		25.32		
100		1	271		25.26		
100		135	1		25.19		26.00
100		135	67		25.36		
100		135	136		24.76		
100		270	0		25.00		
100	DFT-s-OFDM QPSK	1	1		25.42		26.00
100		1	136		25.19		
100		1	271		25.27		
100		135	1		24.73		26.00
100		135	67		25.38		
100		135	136		24.27		
100		270	0		24.47		
100	DFT-s-OFDM 16QAM	1	1		24.51		25.00
100	DFT-s-OFDM 64QAM	1	1		23.08		23.50
100	DFT-s-OFDM 256QAM	1	1		20.79		21.50
100	CP-OFDM QPSK	1	1		23.98		24.50
100	CP-OFDM 16QAM	1	1		23.62		24.00
100	CP-OFDM 64QAM	1	1		22.04		22.50
100	CP-OFDM 256QAM	1	1		18.80		19.50
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	25.33	25.36	25.33	26.00
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	25.39	24.32	25.37	26.00
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	25.40	25.35	25.41	26.00
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	25.34	25.37	25.31	26.00
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	25.25	25.36	25.30	26.00
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	25.26	25.39	25.26	26.00
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	DFT-s-OFDM QPSK	1	1	25.26	25.27	25.35	26.00
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	25.36	25.34	25.29	26.00

B5_n78(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		24.55		25.50
100		1	136		24.35		
100		1	271		24.22		
100		135	1		24.10		25.00
100		135	67		24.40		
100		135	136		23.62		
100	DFT-s-OFDM QPSK	270	0		23.45		25.50
100		1	1		24.69		
100		1	136		24.30		
100		1	271		24.25		24.50
100		135	1		23.59		
100		135	67		23.21		
100	DFT-s-OFDM 16QAM	135	136		23.13		24.50
100		270	0		23.05		
100		1	1		23.87		
100		1	1		22.98		23.50
100		1	1		20.14		21.00
100		1	1		23.27		24.00
100	CP-OFDM QPSK	1	1		22.87		23.50
100	CP-OFDM 16QAM	1	1		21.34		22.00
100	CP-OFDM 64QAM	1	1		18.20		19.00
100	CP-OFDM 256QAM	1	1				
Channel				633000	633334	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.68	24.61	24.57	25.50
Channel				632668	633334	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	24.66	24.63	24.49	25.50
Channel				632334	633334	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	24.58	24.64	24.47	25.50
Channel				632000	633334	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.59	24.64	24.48	25.50
Channel				631668	633334	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	24.58	24.53	24.39	25.50
Channel				631334	633334	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.59	24.53	24.44	25.50
Channel				631000	633334	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	24.62	24.51	24.20	25.50
Channel				630668	633334	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.59	24.51	24.14	25.50

B5_n78(3700-3800MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					650000		26.00
Frequency (MHz)					3750		
100	DFT-s-OFDM PI/2 BPSK	1	1		25.28		26.00
100		1	136		25.29		
100		1	271		25.24		
100		135	1		25.14		
100		135	67		25.32		26.00
100		135	136		24.69		
100		270	0		24.90		
100	DFT-s-OFDM QPSK	1	1		25.38		26.00
100		1	136		25.26		
100		1	271		25.20		
100		135	1		24.63		
100		135	67		25.28		26.00
100		135	136		24.19		
100		270	0		24.31		
100	DFT-s-OFDM 16QAM	1	1		24.43		25.00
100	DFT-s-OFDM 64QAM	1	1		22.90		23.50
100	DFT-s-OFDM 256QAM	1	1		20.61		21.00
100	CP-OFDM QPSK	1	1		23.90		24.50
100	CP-OFDM 16QAM	1	1		23.37		24.00
100	CP-OFDM 64QAM	1	1		21.96		22.50
100	CP-OFDM 256QAM	1	1		18.63		19.00
Channel				649668	650000	650332	26.00
Frequency (MHz)				3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	25.28	25.32	25.35	26.00
Channel				649334	650000	650666	26.00
Frequency (MHz)				3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	25.34	25.31	25.35	26.00
Channel				649000	650000	651000	26.00
Frequency (MHz)				3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	25.29	25.35	25.20	26.00
Channel				648668	650000	651332	26.00
Frequency (MHz)				3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	25.23	25.20	25.28	26.00
Channel				648334	650000	651666	26.00
Frequency (MHz)				3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	25.34	25.25	25.25	26.00
Channel				648000	650000	652000	26.00
Frequency (MHz)				3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	25.26	25.28	25.15	26.00
Channel				647668	650000	652332	26.00
Frequency (MHz)				3715.02	3750	3784.98	
30	DFT-s-OFDM QPSK	1	1	25.15	25.26	25.13	26.00
Channel				647334	650000	652666	26.00
Frequency (MHz)				3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	25.18	25.16	25.20	26.00

B7_n78(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		26.50
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		25.84		26.50
100		1	136		25.49		
100		1	271		25.26		
100		135	1		25.12		26.50
100		135	67		25.92		
100		135	136		24.77		
100		270	0		25.03		26.50
100	DFT-s-OFDM QPSK	1	1		25.93		
100		1	136		25.56		
100		1	271		25.17		
100		135	1		24.66		
100		135	67		25.78		26.50
100		135	136		24.26		
100		270	0		24.56		
100	DFT-s-OFDM 16QAM	1	1		24.53		25.00
100	DFT-s-OFDM 64QAM	1	1		23.09		23.50
100	DFT-s-OFDM 256QAM	1	1		21.02		21.50
100	CP-OFDM QPSK	1	1		24.05		24.50
100	CP-OFDM 16QAM	1	1		23.53		24.00
100	CP-OFDM 64QAM	1	1		22.05		22.50
100	CP-OFDM 256QAM	1	1		19.05		19.50
Channel				633000	633334	633666	26.50
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	25.39	25.42	25.44	26.50
Channel				632668	633334	634000	26.50
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	25.45	25.51	25.53	26.50
Channel				632334	633334	634332	26.50
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	25.50	25.60	25.63	26.50
Channel				632000	633334	634666	26.50
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	25.52	25.54	25.63	26.50
Channel				631668	633334	635000	26.50
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	25.50	25.49	25.59	26.50
Channel				631334	633334	635332	26.50
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	25.86	25.62	25.74	26.50
Channel				631000	633334	635666	26.50
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	25.72	25.88	25.46	26.50
Channel				630668	633334	636000	26.50
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	25.70	25.87	25.35	26.50

B7_n78(3700-3800MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	DFT-s-OFDM PI/2 BPSK	1	1		25.63		26.50
100		1	136		25.39		
100		1	271		25.28		
100		135	1		25.27		26.00
100		135	67		25.43		
100		135	136		24.74		
100	DFT-s-OFDM QPSK	270	0		25.05		26.50
100		1	1		25.82		
100		1	136		25.32		
100		1	271		25.28		26.00
100		135	1		24.79		
100		135	67		25.37		
100	DFT-s-OFDM 16QAM	135	136		24.27		26.00
100		270	0		24.45		
100		1	1		24.47		
100	DFT-s-OFDM 64QAM	1	1		23.01		23.50
100	DFT-s-OFDM 256QAM	1	1		20.97		21.50
100	CP-OFDM QPSK	1	1		24.05		24.50
100	CP-OFDM 16QAM	1	1		23.50		24.00
100	CP-OFDM 64QAM	1	1		21.98		22.50
100	CP-OFDM 256QAM	1	1		18.98		19.50
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	25.44	25.42	25.47	26.50
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	25.47	25.58	25.64	26.50
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	25.49	25.65	25.63	26.50
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	25.40	25.55	25.41	26.50
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	25.48	25.70	25.37	26.50
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	25.41	25.58	25.26	26.50
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	DFT-s-OFDM QPSK	1	1	25.67	25.42	25.05	26.50
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	25.68	25.67	25.32	26.50

B38_n78(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		25.50
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		24.93		25.50
100		1	136		24.94		
100		1	271		24.73		
100		135	1		24.36		
100		135	67		24.95		25.50
100		135	136		22.21		
100		270	0		24.39		
100	DFT-s-OFDM QPSK	1	1		24.98		25.50
100		1	136		24.91		
100		1	271		24.72		
100		135	1		23.87		
100		135	67		24.95		25.50
100		135	136		23.59		
100		270	0		23.90		
100	DFT-s-OFDM 16QAM	1	1		24.03		24.50
100	DFT-s-OFDM 64QAM	1	1		22.68		23.50
100	DFT-s-OFDM 256QAM	1	1		20.28		21.00
100	CP-OFDM QPSK	1	1		23.44		24.00
100	CP-OFDM 16QAM	1	1		23.03		23.50
100	CP-OFDM 64QAM	1	1		21.46		22.00
100	CP-OFDM 256QAM	1	1		18.25		19.00
Channel				633000	633334	633666	25.50
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.91	24.96	24.95	25.50
Channel				632668	633334	634000	25.50
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	24.87	24.96	24.91	25.50
Channel				632334	633334	634332	25.50
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	24.84	24.86	24.79	25.50
Channel				632000	633334	634666	25.50
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.87	24.79	24.79	25.50
Channel				631668	633334	635000	25.50
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	24.85	24.80	24.89	25.50
Channel				631334	633334	635332	25.50
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.93	24.81	24.90	25.50
Channel				631000	633334	635666	25.50
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	24.78	24.86	24.89	25.50
Channel				630668	633334	636000	25.50
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	24.85	24.79	24.71	25.50

B38_n78(3700-3800MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					650000		25.00
Frequency (MHz)					3750		
100	DFT-s-OFDM PI/2 BPSK	1	1		25.25		25.00
100		1	136		25.64		
100		1	271		25.61		
100		135	1		25.27		24.00
100		135	67		25.50		
100		135	136		25.38		
100		270	0		25.13		
100	DFT-s-OFDM QPSK	1	1		25.26		26.50
100		1	136		25.78		
100		1	271		25.62		
100		135	1		25.49		26.50
100		135	67		25.65		
100		135	136		24.52		
100		270	0		24.63		
100	DFT-s-OFDM 16QAM	1	1		24.37		25.00
100	DFT-s-OFDM 64QAM	1	1		22.98		23.50
100	DFT-s-OFDM 256QAM	1	1		20.59		21.00
100	CP-OFDM QPSK	1	1		23.75		24.50
100	CP-OFDM 16QAM	1	1		23.36		24.00
100	CP-OFDM 64QAM	1	1		21.86		22.50
100	CP-OFDM 256QAM	1	1		18.65		19.00
Channel				649668	650000	650332	25.00
Frequency (MHz)				3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	25.21	25.36	25.50	25.00
Channel				649334	650000	650666	25.00
Frequency (MHz)				3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	25.29	25.57	25.71	25.00
Channel				649000	650000	651000	25.00
Frequency (MHz)				3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	25.33	25.70	25.74	25.00
Channel				648668	650000	651332	25.00
Frequency (MHz)				3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	25.27	25.67	25.71	25.00
Channel				648334	650000	651666	25.00
Frequency (MHz)				3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	25.43	25.58	25.72	25.00
Channel				648000	650000	652000	25.00
Frequency (MHz)				3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	25.65	25.69	25.55	25.00
Channel				647668	650000	652332	25.00
Frequency (MHz)				3715.02	3750	3784.98	
30	DFT-s-OFDM QPSK	1	1	25.63	25.66	25.42	25.00
Channel				647334	650000	652666	25.00
Frequency (MHz)				3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	25.54	25.71	25.68	25.00

B41_n78(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		26.00
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		24.86		26.00
100		1	136		25.18		
100		1	271		24.66		
100		135	1		24.35		
100		135	67		25.17		26.00
100		135	136		24.09		
100		270	0		24.37		
100		1	1		25.33		
100	DFT-s-OFDM QPSK	1	136		24.85		26.00
100		1	271		21.92		
100		135	1		23.86		
100		135	67		25.19		
100		135	136		21.81		26.00
100		270	0		23.92		
100	DFT-s-OFDM 16QAM	1	1		23.87		24.50
100	DFT-s-OFDM 64QAM	1	1		22.44		23.00
100	DFT-s-OFDM 256QAM	1	1		20.39		21.00
100	CP-OFDM QPSK	1	1		23.37		24.00
100	CP-OFDM 16QAM	1	1		22.89		23.50
100	CP-OFDM 64QAM	1	1		21.37		22.00
100	CP-OFDM 256QAM	1	1		18.41		19.00
Channel				633000	633334	633666	26.00
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.84	24.90	24.90	26.00
Channel				632668	633334	634000	26.00
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	24.97	25.01	24.80	26.00
Channel				632334	633334	634332	26.00
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	24.98	25.04	24.78	26.00
Channel				632000	633334	634666	26.00
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	25.02	24.99	24.74	26.00
Channel				631668	633334	635000	26.00
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	25.03	24.85	24.99	26.00
Channel				631334	633334	635332	26.00
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	25.17	25.08	25.19	26.00
Channel				631000	633334	635666	26.00
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	25.19	24.95	24.89	26.00
Channel				630668	633334	636000	26.00
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	25.24	24.97	24.67	26.00

B41_n78(3700-3800MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					650000		Tune-up limit (dBm)
Frequency (MHz)					3750		
100	DFT-s-OFDM PI/2 BPSK	1	1		25.27		26.50
100		1	136		25.19		
100		1	271		25.62		
100		135	1		25.29		26.50
100		135	67		25.69		
100		135	136		25.01		
100		270	0		25.12		
100	DFT-s-OFDM QPSK	1	1		25.25		26.50
100		1	136		25.74		
100		1	271		25.34		
100		135	1		24.79		26.50
100		135	67		25.66		
100		135	136		24.93		
100		270	0		24.61		
100	DFT-s-OFDM 16QAM	1	1		24.30		25.00
100	DFT-s-OFDM 64QAM	1	1		22.89		23.50
100	DFT-s-OFDM 256QAM	1	1		20.74		21.50
100	CP-OFDM QPSK	1	1		23.79		24.50
100	CP-OFDM 16QAM	1	1		23.26		24.00
100	CP-OFDM 64QAM	1	1		21.68		22.50
100	CP-OFDM 256QAM	1	1		18.81		19.50
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	DFT-s-OFDM QPSK	1	1	25.24	25.37	25.49	26.50
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	DFT-s-OFDM QPSK	1	1	25.26	25.55	25.71	26.50
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	DFT-s-OFDM QPSK	1	1	25.33	25.70	25.64	26.50
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	DFT-s-OFDM QPSK	1	1	25.33	25.57	25.58	26.50
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	DFT-s-OFDM QPSK	1	1	25.44	25.67	25.61	26.50
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	DFT-s-OFDM QPSK	1	1	25.62	25.57	25.59	26.50
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	DFT-s-OFDM QPSK	1	1	25.53	25.69	25.45	26.50
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	DFT-s-OFDM QPSK	1	1	25.59	25.55	25.61	26.50

ECHO WILAN ANT 1							
ECHO	Model	Channel	Frequency (MHz)	Average power (dBm)	Tx Power (dBm)		EIRP (dBm)
					Power Max	Power Min	
ECHO 1	802.11g (Mbps)	CH 1	2412	18.54	16	17	34.54
		CH 2	2424	18.54	16	17	34.54
		CH 3	2436	18.54	16	17	34.54
		CH 4	2448	18.54	16.74	17.2	34.74
		CH 5	2460	18.54	16.74	17.2	34.74
		CH 6	2472	18.54	16.74	17.2	34.74
ECHO 2	802.11g (Mbps)	CH 1	2412	18.54	16.74	17.2	34.74
		CH 2	2424	18.54	16.74	17.2	34.74
		CH 3	2436	18.54	16.74	17.2	34.74
		CH 4	2448	18.54	16.74	17.2	34.74
		CH 5	2460	18.54	16.74	17.2	34.74
		CH 6	2472	18.54	16.74	17.2	34.74
ECHO 3	802.11n (HTS) (Mbps)	CH 1	2412	16.97	14.96	15.5	31.43
		CH 2	2424	16.97	14.96	15.5	31.43
		CH 3	2436	16.97	14.96	15.5	31.43
		CH 4	2448	16.97	14.96	15.5	31.43
		CH 5	2460	16.97	14.96	15.5	31.43
		CH 6	2472	16.97	14.96	15.5	31.43
ECHO 4	802.11n (HTS) (Mbps)	CH 1	2412	16.97	14.96	15.5	31.43
		CH 2	2424	16.97	14.96	15.5	31.43
		CH 3	2436	16.97	14.96	15.5	31.43
		CH 4	2448	16.97	14.96	15.5	31.43
		CH 5	2460	16.97	14.96	15.5	31.43
		CH 6	2472	16.97	14.96	15.5	31.43
ECHO 5	802.11n (HTS) (Mbps)	CH 1	2412	16.97	14.96	15.5	31.43
		CH 2	2424	16.97	14.96	15.5	31.43
		CH 3	2436	16.97	14.96	15.5	31.43
		CH 4	2448	16.97	14.96	15.5	31.43
		CH 5	2460	16.97	14.96	15.5	31.43
		CH 6	2472	16.97	14.96	15.5	31.43

2023 WILAN ANT 5						
Area	Channel	Frequency		Transmit Power	Power Rating	Daily Cycle (%)
		Start	Stop			
CABLE TV	BELL TV 160 MHz	24-18	5000	17.50	50.00	50.00
		24-19	5000	17.50	50.00	50.00
		24-20	5000	17.50	50.00	50.00
	BELL TV 164 MHz	24-18	5000	18.00	50.00	50.00
		24-19	5000	18.00	50.00	50.00
		24-20	5000	18.00	50.00	50.00
	BELL TV 168 MHz	24-18	5000	18.50	50.00	50.00
		24-19	5000	18.50	50.00	50.00
		24-20	5000	18.50	50.00	50.00
	BELL TV 172 MHz	24-18	5000	19.00	50.00	50.00
		24-19	5000	19.00	50.00	50.00
		24-20	5000	19.00	50.00	50.00
CABLE TV	BELL TV 176 MHz	24-18	5000	19.50	50.00	50.00
		24-19	5000	19.50	50.00	50.00
		24-20	5000	19.50	50.00	50.00
	BELL TV 180 MHz	24-18	5000	20.00	50.00	50.00
		24-19	5000	20.00	50.00	50.00
		24-20	5000	20.00	50.00	50.00
	BELL TV 184 MHz	24-18	5000	20.50	50.00	50.00
		24-19	5000	20.50	50.00	50.00
		24-20	5000	20.50	50.00	50.00
	BELL TV 188 MHz	24-18	5000	21.00	50.00	50.00
		24-19	5000	21.00	50.00	50.00
		24-20	5000	21.00	50.00	50.00
CABLE TV	BELL TV 192 MHz	24-18	5000	21.50	50.00	50.00
		24-19	5000	21.50	50.00	50.00
		24-20	5000	21.50	50.00	50.00
	BELL TV 196 MHz	24-18	5000	22.00	50.00	50.00
		24-19	5000	22.00	50.00	50.00
		24-20	5000	22.00	50.00	50.00
	BELL TV 200 MHz	24-18	5000	22.50	50.00	50.00
		24-19	5000	22.50	50.00	50.00
		24-20	5000	22.50	50.00	50.00
	BELL TV 204 MHz	24-18	5000	23.00	50.00	50.00
		24-19	5000	23.00	50.00	50.00
		24-20	5000	23.00	50.00	50.00

SIGHTS WILAN ANT 5							
Area	Channel	Frequency	Power	Antenna	Antenna Height	Power Density	Daily Usage
SIGHTS WILAN ANT 5	B02 11a WILAN	CH2410	5500	17.74	13.00	16.00	75.00
		CH2410	5500	16.80	17.25	16.00	75.00
		CH2410	5500	17.74	13.00	16.00	75.00
	B02 11a WILAN H20	CH2410	5500	17.76	17.00	17.00	81.00
		CH2410	5500	17.76	17.00	17.00	81.00
		CH2410	5500	17.76	17.00	17.00	81.00
	B02 11a WILAN H20	CH2410	5500	17.76	17.00	17.00	81.00
		CH2410	5500	17.76	17.00	17.00	81.00
		CH2410	5500	17.76	17.00	17.00	81.00
	B02 11a WILAN H20	CH2410	5500	17.76	17.00	17.00	81.00
		CH2410	5500	17.76	17.00	17.00	81.00
		CH2410	5500	17.76	17.00	17.00	81.00
B02 11a WILAN H20	CH2410	5500	16.80	17.25	16.00	75.00	
	CH2410	5500	16.80	17.25	16.00	75.00	
	CH2410	5500	16.80	17.25	16.00	75.00	
B02 11a WILAN H20	CH2410	5500	16.80	17.25	16.00	75.00	
	CH2410	5500	16.80	17.25	16.00	75.00	
	CH2410	5500	16.80	17.25	16.00	75.00	

LEIGHMAN ANT 5						
Model	Channel	Frequency (MHz)	Average Power (dBm)		Power Class	Data Rate (kbps)
			Power Class 1	Power Class 2		
802.11a-802.11n	CH1	5180	16.90	16.90	16.90	86.70
	CH2	5200	16.90	16.90	16.90	86.70
	CH3	5220	17.21	16.90	16.90	86.70
	CH4	5240	16.90	16.90	16.90	86.70
802.11a-11p-11n-11ac	CH5	5260	17.22	16.90	17.22	86.70
	CH6	5280	17.22	16.90	17.22	86.70
	CH7	5300	17.22	16.90	17.22	86.70
	CH8	5320	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH9	5340	17.22	16.90	17.22	86.70
	CH10	5360	17.22	16.90	17.22	86.70
	CH11	5380	17.22	16.90	17.22	86.70
	CH12	5400	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH13	5420	17.22	16.90	17.22	86.70
	CH14	5440	17.22	16.90	17.22	86.70
	CH15	5460	17.22	16.90	17.22	86.70
	CH16	5480	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH17	5500	17.22	16.90	17.22	86.70
	CH18	5520	17.22	16.90	17.22	86.70
	CH19	5540	17.22	16.90	17.22	86.70
	CH20	5560	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH21	5580	17.22	16.90	17.22	86.70
	CH22	5600	17.22	16.90	17.22	86.70
	CH23	5620	17.22	16.90	17.22	86.70
	CH24	5640	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH25	5660	17.22	16.90	17.22	86.70
	CH26	5680	17.22	16.90	17.22	86.70
	CH27	5700	17.22	16.90	17.22	86.70
	CH28	5720	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH29	5740	17.22	16.90	17.22	86.70
	CH30	5760	17.22	16.90	17.22	86.70
	CH31	5780	17.22	16.90	17.22	86.70
	CH32	5800	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH33	5820	17.22	16.90	17.22	86.70
	CH34	5840	17.22	16.90	17.22	86.70
	CH35	5860	17.22	16.90	17.22	86.70
	CH36	5880	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH37	5900	17.22	16.90	17.22	86.70
	CH38	5920	17.22	16.90	17.22	86.70
	CH39	5940	17.22	16.90	17.22	86.70
	CH40	5960	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH41	5980	17.22	16.90	17.22	86.70
	CH42	6000	17.22	16.90	17.22	86.70
	CH43	6020	17.22	16.90	17.22	86.70
	CH44	6040	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH45	6060	17.22	16.90	17.22	86.70
	CH46	6080	17.22	16.90	17.22	86.70
	CH47	6100	17.22	16.90	17.22	86.70
	CH48	6120	17.22	16.90	17.22	86.70
802.11a-11p-11n-11ac	CH49	6140	17.22	16.90	17.22	86.70
	CH50	6160	17.22	16.90	17.22	86.70

[illegible]

E2H2X WLAN ANT 5							
	Mode	Channel	Frequency (MHz)	Bandwidth (MHz)	Transmit Power (dBm)	Power Setting	Duty Cycle (%)
E2H2X WLAN ANT5	802.11a+802.20 MCSS0	Ch 1	5850	5.0	5.50	7.50	91.47
		Ch 63	9170	4.80	5.50	7.50	
	802.11b+802.20 MCSS0	Ch 33	2412	2.20	3.00	7.50	91.47
		Ch 39	2464	4.80	3.00	7.50	
	802.11a+802.11g MCSS0	Ch 13	5210	5.0	5.50	10.00	90.58
		Ch 37	9050	4.80	5.50	10.00	
	802.11a+802.11g MCSS0	Ch 61	5850	5.0	5.50	10.00	91.16
		Ch 7	5210	5.0	5.50	10.00	
	802.11a+802.11g MCSS0	Ch 35	2437	4.80	3.00	10.00	91.16
		Ch 39	2464	4.80	3.00	10.00	

5.5GHz WLAN ANT 5							
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT5	802.11a HCR20 MCS0	CH 37	6425	3.53	4.55	6.00	91.47
		CH 105	6475	3.94	4.55	6.00	
		CH 113	6515	4.26	4.55	6.00	
	802.11a HCR40 MCS0	CH 88	6465	6.42	7.06	9.00	93.88
		CH 107	6485	6.75	7.06	9.00	
		CH 103	6465	9.76	10.50	11.00	
	802.11a HCR80 MCS0	CH 37	6425	3.53	4.55	6.00	91.47
		CH 105	6475	3.94	4.55	6.00	
		CH 113	6515	4.26	4.55	6.00	
		CH 88	6465	6.42	7.06	9.00	

LE70H2ULAN ANT 5							
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit delay (ms)	Power Setting	Duty Cycle %
6.7GHz (40MHz channel)	102.100MHz (MCS0)	CH 117	6050	-4.16	4.00	0.00	91.47
		CH 196	6060	-5.11	5.00	0.00	
		CH 321	6070	-5.46	6.00	0.00	
		CH 446	6080	-7.00	7.00	0.00	
		CH 571	6090	-7.00	8.00	0.00	
	102.150MHz (MCS0)	CH 116	6150	-7.00	7.00	0.00	90.88
		CH 195	6160	-7.00	8.00	0.00	
		CH 320	6170	-8.13	8.00	0.00	
		CH 445	6180	-10.00	10.00	11.00	
		CH 570	6190	-10.00	10.00	11.00	
102.100MHz (MCS0)	CH 118	6050	-10.00	10.00	11.00	91.16	
	CH 572	6090	-10.00	10.00	11.00		

7GHz WLAN ANT 5							
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Loss (dB)	Power Setting	Duty Cycle (%)
7GHz WLAN ANT 5	802.11a-HEQ2 MCS9	CH 186	8075	6.46	7.00	7.00	91.47
		CH 210	8445	6.46	6.98	7.00	
		CH 230	7915	6.46	5.98	7.00	
	802.11a-HEQ4 MCS9	CH 187	8880	9.37	10.00	10.00	90.68
		CH 209	7695	10.77	11.50	10.00	
		CH 237	7860	10.77	11.50	10.00	
	802.11a-HEQ8 MCS9	CH 186	8950	13.15	13.50	10.00	91.18
		CH 235	7950	13.15	13.50	10.00	

Route	Channel	Frequency (MHz)	Winter		Summer		Winter	
			Permitted range (MHz)	Take-up (MHz)	Permitted range (MHz)	Take-up (MHz)	Permitted range (MHz)	Take-up (MHz)
601-624	601-604	Janet	6.02	7.00	-15.75	0.00	-15.37	0.00
	605-608	Janet	6.02	6.00	-6.75	0.00	-6.37	0.00
	609-612	Janet	6.02	6.00	-6.75	0.00	-6.37	0.00
	613-616	Janet	7.26	7.00	-15.75	0.00	-15.37	0.00
Only Duty %			36.99		77.84		77.88	

Route	Channel	Frequency (MHz)	36.99 Average range (MHz)		77.84 Average range (MHz)	
			Winter	Summer	Winter	Summer
LA	601-604	Janet	3.00	3.00	3.00	3.00
	605-608	Janet	3.00	3.00	3.00	3.00
	609-612	Janet	4.00	4.00	4.00	4.00
	613-616	Janet	3.5	3.5	3.5	3.5

ECHO WILAN ANT 4							
Bank	Channel	Frequency (MHz)	Power (dBm)	Channel width	Power (dBm)	Power (dBm)	Exp. (s)
ECHO WILAN ANT 4	802.11g Mbps	CH1	2412	15.50	15	17	83.80
		CH2	2437	15.50	17	17	84.11
	802.11g Mbps	CH3	2462	15.51	16	17	84.78
		CH4	2487	15.51	16	17	85.07
	802.11g Mbps	CH5	2512	15.51	16	17	85.36
		CH6	2537	15.51	16	17	85.65
	802.11n 40MHz MCS0	CH7	2562	15.50	17.00	18.00	79.78
		CH8	2587	15.50	17.00	18.00	80.07
	802.11n 40MHz MCS0	CH9	2612	15.50	18.00	19.00	80.75
		CH10	2637	15.50	18.00	19.00	81.04
802.11n 40MHz MCS0	CH11	2662	15.50	18.00	19.00	81.72	
		CH12	2687	15.50	18.00	19.00	82.01
	CH13	2712	15.50	18.00	19.00	82.70	
		CH14	2737	15.50	18.00	19.00	82.99
	CH15	2762	15.50	18.00	19.00	83.68	
		CH16	2787	15.50	18.00	19.00	83.97
	CH17	2812	15.50	18.00	19.00	84.66	
		CH18	2837	15.50	18.00	19.00	84.95
	CH19	2862	15.51	17.00	17.00	85.64	
		CH20	2887	15.51	17.00	17.00	85.93
802.11n 40MHz MCS0	CH21	2912	15.51	17.00	17.00	86.62	
		CH22	2937	15.51	17.00	17.00	86.91
	CH23	2962	15.51	17.00	17.00	87.60	
		CH24	2987	15.51	17.00	17.00	87.89
	CH25	3012	15.51	17.00	17.00	88.58	
		CH26	3037	15.51	17.00	17.00	88.87
	CH27	3062	15.51	17.00	17.00	89.56	
		CH28	3087	15.51	17.00	17.00	89.85
	CH29	3112	15.51	17.00	17.00	90.54	
		CH30	3137	15.51	17.00	17.00	90.83

2025 WILAN ANT 1							
Area	Category	Item	Fiscal Year 2025		Fiscal Year 2025	Fiscal Year 2025	Fiscal Year 2025
			Original Budget	Revised Budget			
2025 WILAN ANT 1	2025 WILAN ANT 1	2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
		2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
		2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
	2025 WILAN ANT 1	2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
		2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
		2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
	2025 WILAN ANT 1	2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
		2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
		2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
	2025 WILAN ANT 1	2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
		2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000
		2025 WILAN ANT 1	10,000	10,000	10,000	10,000	10,000

[illegible]

IS WLAN ANT 4						
Issue	Channel	Frequency	Average speed	Capacity	Power Status	Signal Rx (%)
All TIA Bldg	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00
	CH 104	5200	17.45	16.00	10	83.00
	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00
	CH 104	5200	17.45	16.00	10	83.00
	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00
	CH 104	5200	17.45	16.00	10	83.00
	CH 100	5200	50.71	17.00	10	86.08
ISD 114A-114D MCN	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00
	CH 104	5200	17.45	16.00	10	83.00
	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00
	CH 104	5200	17.45	16.00	10	83.00
	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00
	CH 104	5200	17.45	16.00	10	83.00
	CH 100	5200	50.71	17.00	10	86.08
ISD 114A-114D MCN	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00
	CH 104	5200	17.45	16.00	10	83.00
	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00
	CH 104	5200	17.45	16.00	10	83.00
	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00
	CH 104	5200	17.45	16.00	10	83.00
	CH 100	5200	50.71	17.00	10	86.08
ISD 114A-114D MCN	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00
	CH 104	5200	17.45	16.00	10	83.00
	CH 100	5200	50.71	17.00	10	86.08
	CH 176	5600	50.71	17.00	10	95.00

SLU PLAN ANT 4						
Zone	Channel	Frequency (MHz)	Power (W)	Channel width (MHz)	Power (W)	duty cycle (%)
Zona 1	RF2 1A-MRQA	524.150	57.50	10.00	10.00	81.25
		524.175	57.50	10.00	10.00	77.27
		524.200	57.50	10.00	10.00	81.25
		524.225	57.50	10.00	10.00	81.25
		524.250	57.50	10.00	10.00	81.25
		524.275	57.50	10.00	10.00	81.25
		524.300	57.50	10.00	10.00	81.25
		524.325	57.50	10.00	10.00	81.25
		524.350	57.50	10.00	10.00	81.25
		524.375	57.50	10.00	10.00	81.25
Zona 2	RF2 1A-MRQB	524.150	57.50	10.00	10.00	81.25
		524.175	57.50	10.00	10.00	81.25
		524.200	57.50	10.00	10.00	81.25
		524.225	57.50	10.00	10.00	81.25
		524.250	57.50	10.00	10.00	81.25
		524.275	57.50	10.00	10.00	81.25
		524.300	57.50	10.00	10.00	81.25
		524.325	57.50	10.00	10.00	81.25
		524.350	57.50	10.00	10.00	81.25
		524.375	57.50	10.00	10.00	81.25
Zona 3	RF2 1A-MRQC	524.150	57.50	10.00	10.00	81.25
		524.175	57.50	10.00	10.00	81.25
		524.200	57.50	10.00	10.00	81.25
		524.225	57.50	10.00	10.00	81.25
		524.250	57.50	10.00	10.00	81.25
		524.275	57.50	10.00	10.00	81.25
		524.300	57.50	10.00	10.00	81.25
		524.325	57.50	10.00	10.00	81.25
		524.350	57.50	10.00	10.00	81.25
		524.375	57.50	10.00	10.00	81.25
Zona 4	RF2 1A-MRQD	524.150	57.50	10.00	10.00	81.25
		524.175	57.50	10.00	10.00	81.25
		524.200	57.50	10.00	10.00	81.25
		524.225	57.50	10.00	10.00	81.25
		524.250	57.50	10.00	10.00	81.25
		524.275	57.50	10.00	10.00	81.25
		524.300	57.50	10.00	10.00	81.25
		524.325	57.50	10.00	10.00	81.25
		524.350	57.50	10.00	10.00	81.25
		524.375	57.50	10.00	10.00	81.25
Zona 5	RF2 1A-MRQE	524.150	57.50	10.00	10.00	81.25
		524.175	57.50	10.00	10.00	81.25
		524.200	57.50	10.00	10.00	81.25
		524.225	57.50	10.00	10.00	81.25
		524.250	57.50	10.00	10.00	81.25
		524.275	57.50	10.00	10.00	81.25
		524.300	57.50	10.00	10.00	81.25
		524.325	57.50	10.00	10.00	81.25
		524.350	57.50	10.00	10.00	81.25
		524.375	57.50	10.00	10.00	81.25

E2GHZ WLAN ANT 4							
	Mode	Channel	Frequency (MHz)	Antenna Gain (dBi)	Total Loss (dB)	Power Setting	Daily Cycle %
E2GHZ WLAN ANT 4	802.11a/b/g/n MCS0	CH 1	5855	7.45	8.50	9.50	91.18
		CH 2	5975	8.99	7.50	9.50	
		CH 3	6095	6.91	7.50	9.50	
		CH 4	6215	11.76	11.50	13.00	
		CH 5	6335	10.80	11.50	13.00	
	802.11a/b/g/n MCS1	CH 6	6455	10.22	10.50	13.00	91.19
		CH 7	6575	13.71	13.50	15.00	
		CH 8	6695	12.23	13.50	15.00	
		CH 9	6815	15.17	15.50	16.50	
		CH 10	6935	14.22	15.50	16.50	

5.5GHz WLAN ANT 4							
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Total-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT2	802.11a+H20 MCS0	CH 67	6435	7.75	8.00	10.00	01.50
		CH 105	6475	7.75	8.00	10.00	
		CH 113	6515	7.60	8.00	10.00	
	802.11a+H20 MCS0	CH 69	6465	10.10	10.00	13.00	01.50
		CH 107	6505	9.90	10.00	13.00	
		CH 115	6545	10.00	10.00	13.00	
	802.11a+H20B MCS0	CH 103	6465	10.01	13.00	16.00	00.01

E.7 WILAN ANT 4							
	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Transmit LNB	Power Setting	Duty Cycle %
E.7000-WILAN ANT 4	802.11a+G+D MCS0	CH 117	8035	8.50	7.00	9.00	91.10
		CH 169	8860	7.00	7.00	9.00	
		CH 181	8865	7.20	7.00	9.00	
		CH 120	8260	8.71	9.00	12.00	
		CH 147	8660	9.00	9.00	12.00	
	802.11a+G+D MCS1	CH 179	8860	9.10	9.00	12.00	91.10
		CH 126	8660	11.80	12.00	15.00	
		CH 151	8705	10.21	10.00	16.00	
		CH 124	8260	10.00	10.00	16.00	
		CH 125	8265	10.00	10.00	16.00	
802.11a+G+D MCS2	CH 151	8705	10.21	10.00	16.00	90.91	

T0 WILAN ANT 4							
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up (dBm)	Power Setting	Duty Cycle %
7.5GHz WILAN ANT4	802.11a-HQ20 MCS0	CH 185	8875	7.00	7.00	8.00	91.16
		CH 186	8925	7.00	7.00	8.00	
		CH 187	8975	7.00	7.00	8.00	
	802.11a-HQ40 MCS0	CH 203	7715	7.00	6.50	9.00	91.19
		CH 187	8885	10.00	8.00	12.00	
		CH 203	7765	8.00	8.00	12.00	
	802.11a-HQ80 MCS0	CH 217	7365	7.00	8.00	12.00	90.91
		CH 198	8245	12.00	12.00	15.00	
		CH 198	8295	12.00	12.00	15.00	

KING WILAN ANT 4th							
	Class	Classed	Frequency	Average score (2000)	Year 10 Class	Year 10 Score	Year 10 Rank
802 17g 1000g	CH 1	2812	N/A	N/A	N/A	N/A	N/A
	CH 2	2812	N/A	N/A	N/A	N/A	N/A
	CH 3	2812	N/A	N/A	N/A	N/A	N/A
	CH 11	2802	N/A	N/A	N/A	N/A	N/A
802 17g 1000g	CH 1	2802	N/A	N/A	N/A	N/A	N/A
	CH 2	2802	N/A	N/A	N/A	N/A	N/A
	CH 3	2802	N/A	N/A	N/A	N/A	N/A
	CH 11	2802	N/A	N/A	N/A	N/A	N/A
802 17g 1000g MC30	CH 1	2802	N/A	N/A	N/A	N/A	N/A
	CH 2	2802	11386	16	15	86.87	
	CH 3	2802	17390	15.5	16	86.57	
	CH 11	2802	17390	15.5	16	86.57	
802 17g 1000g MC30	CH 1	2802	17390	15.5	16	86.57	
	CH 2	2802	17390	15.5	16	86.57	
	CH 3	2802	17390	15.5	16	86.57	
	CH 11	2802	17390	15.5	16	86.57	
802 17g 1000g MC30	CH 1	2802	17390	15.5	16	86.57	
	CH 2	2802	17390	15.5	16	86.57	
	CH 3	2802	17390	15.5	16	86.57	
	CH 11	2802	17390	15.5	16	86.57	
802 17g 1000g MC30	CH 1	2802	17390	15.5	16	86.57	
	CH 2	2802	17390	15.5	16	86.57	
	CH 3	2802	17390	15.5	16	86.57	
	CH 11	2802	17390	15.5	16	86.57	
802 17g 1000g MC30	CH 1	2802	17390	15.5	16	86.57	
	CH 2	2802	17390	15.5	16	86.57	
	CH 3	2802	17390	15.5	16	86.57	
	CH 11	2802	17390	15.5	16	86.57	

LOGS WILAN AMT #4-5							
	Year	Channel	Frequency (MHz)	Transmit Power (dBm)	Power Setting	Duty Cycle (%)	
LOGS WILAN AMT #4-5	WLAN 1-10MHz	24-26	51200	N/A	N/A	N/A	
		24-28	51200	N/A	N/A	N/A	
		24-30	51200	N/A	N/A	N/A	
		24-32	51200	N/A	N/A	N/A	
	WLAN 1-10MHz MCS	24-26	51200	18.00	17.00	17.00	81.50
		24-28	51200	18.00	17.00	17.00	81.50
		24-30	51200	18.00	17.00	17.00	81.50
		24-32	51200	18.00	17.00	17.00	81.50
	WLAN 1-10MHz MCS	24-26	51200	18.00	17.00	17.00	81.50
		24-28	51200	18.00	17.00	17.00	81.50
		24-30	51200	18.00	17.00	17.00	81.50
		24-32	51200	18.00	17.00	17.00	81.50
	WLAN 1-10MHz MCS	24-26	51200	18.00	17.00	17.00	81.50
		24-28	51200	18.00	17.00	17.00	81.50
		24-30	51200	18.00	17.00	17.00	81.50
		24-32	51200	18.00	17.00	17.00	81.50
	WLAN 1-10MHz MCS	24-26	51200	18.00	17.00	17.00	81.50
		24-28	51200	18.00	17.00	17.00	81.50
		24-30	51200	18.00	17.00	17.00	81.50
		24-32	51200	18.00	17.00	17.00	81.50

SINGH WILAN ANT 4+							
	Year	Channel	Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
SINGH WILAN ANT 4+	802.11n (40MHz)	CH24	5210	16.5	16.5	16.5	16.5
		CH36	5350	16.5	16.5	16.5	16.5
		CH40	5400	16.5	16.5	16.5	16.5
		CH44	5450	16.75	16.75	16.75	16.75
		CH48	5500	16.75	16.75	16.75	16.75
		CH52	5550	16.75	16.75	16.75	16.75
	802.11n (40MHz) MCS	CH36	5350	16.75	16.75	16.75	16.75
		CH40	5400	16.75	16.75	16.75	16.75
		CH44	5450	16.75	16.75	16.75	16.75
		CH48	5500	16.75	16.75	16.75	16.75
		CH52	5550	16.75	16.75	16.75	16.75
		CH56	5600	16.75	16.75	16.75	16.75
802.11n (40MHz) MCS	CH36	5350	16.75	16.75	16.75	16.75	
	CH40	5400	16.75	16.75	16.75	16.75	
	CH44	5450	16.75	16.75	16.75	16.75	
	CH48	5500	16.75	16.75	16.75	16.75	
	CH52	5550	16.75	16.75	16.75	16.75	
	CH56	5600	16.75	16.75	16.75	16.75	
802.11n (40MHz) MCS	CH36	5350	16.75	16.75	16.75	16.75	
	CH40	5400	16.75	16.75	16.75	16.75	
	CH44	5450	16.75	16.75	16.75	16.75	
	CH48	5500	16.75	16.75	16.75	16.75	
	CH52	5550	16.75	16.75	16.75	16.75	
	CH56	5600	16.75	16.75	16.75	16.75	

S.5 WILANET-6						
Node	Channel	Frequency (MHz)	Average power (dBm)	Peak power (dBm)	Power Sensing	Occupancy (%)
S.5 WILANET-6	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5850	50.00	50.00	100	100
	WIL-10	5850	50.00	50.00	100	100
	WIL-10	5700	50.00	50.00	100	100
	WIL-10	5700	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
S.5 WILANET-6	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5850	50.00	50.00	100	100
	WIL-10	5850	50.00	50.00	100	100
	WIL-10	5700	50.00	50.00	100	100
	WIL-10	5700	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
S.5 WILANET-6	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5850	50.00	50.00	100	100
	WIL-10	5850	50.00	50.00	100	100
	WIL-10	5700	50.00	50.00	100	100
	WIL-10	5700	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
S.5 WILANET-6	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5850	50.00	50.00	100	100
	WIL-10	5850	50.00	50.00	100	100
	WIL-10	5700	50.00	50.00	100	100
	WIL-10	5700	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5800	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100
	WIL-10	5750	50.00	50.00	100	100

B3 WILANANT-016							
	Channel	Frequency (MHz)	Available Power (dBm)	Interference Power (dBm)	Power Margin (dB)	QoS Class	
4 active flows	R02-Tx-80MHz	CH 146	5750	N/A	N/A	N/A	N/A
		CH 147	5755	N/A	N/A	N/A	N/A
		CH 148	5760	N/A	N/A	N/A	N/A
	R02-Tx-40MHz	CH 146	5750	16.16	15.00	1.16	0.007
		CH 147	5755	16.00	15.00	1.00	0.007
		CH 148	5760	16.00	15.00	1.00	0.007
	R02-Tx-20MHz-MC01	CH 146	5750	16.16	15.00	1.16	0.007
		CH 147	5755	16.00	15.00	1.00	0.007
		CH 148	5760	16.11	15.00	1.11	0.140
	R02-Tx-20MHz-MC02	CH 146	5750	16.00	15.00	1.00	0.140
		CH 147	5755	16.00	15.00	1.00	0.007
		CH 148	5760	16.00	15.00	1.00	0.007
R02-Tx-20MHz-MC03	CH 146	5750	16.11	15.00	1.11	0.140	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.11	15.00	1.11	0.140	
R02-Tx-20MHz-MC04	CH 146	5750	16.00	15.00	1.00	0.007	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.00	15.00	1.00	0.007	
R02-Tx-20MHz-MC05	CH 146	5750	16.11	15.00	1.11	0.140	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.11	15.00	1.11	0.140	
R02-Tx-20MHz-MC06	CH 146	5750	16.00	15.00	1.00	0.007	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.00	15.00	1.00	0.007	
R02-Tx-20MHz-MC07	CH 146	5750	16.11	15.00	1.11	0.140	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.11	15.00	1.11	0.140	
R02-Tx-20MHz-MC08	CH 146	5750	16.00	15.00	1.00	0.007	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.00	15.00	1.00	0.007	
R02-Tx-20MHz-MC09	CH 146	5750	16.11	15.00	1.11	0.140	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.11	15.00	1.11	0.140	
R02-Tx-20MHz-MC10	CH 146	5750	16.00	15.00	1.00	0.007	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.00	15.00	1.00	0.007	
R02-Tx-20MHz-MC11	CH 146	5750	16.11	15.00	1.11	0.140	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.11	15.00	1.11	0.140	
R02-Tx-20MHz-MC12	CH 146	5750	16.00	15.00	1.00	0.007	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.00	15.00	1.00	0.007	
R02-Tx-20MHz-MC13	CH 146	5750	16.11	15.00	1.11	0.140	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.11	15.00	1.11	0.140	
R02-Tx-20MHz-MC14	CH 146	5750	16.00	15.00	1.00	0.007	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.00	15.00	1.00	0.007	
R02-Tx-20MHz-MC15	CH 146	5750	16.11	15.00	1.11	0.140	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.11	15.00	1.11	0.140	
R02-Tx-20MHz-MC16	CH 146	5750	16.00	15.00	1.00	0.007	
	CH 147	5755	16.00	15.00	1.00	0.007	
	CH 148	5760	16.00	15.00	1.00	0.007	

E202R WLAN ANT 4+5						
Mode	Channel	Frequency [MHz]	Average power [dBm]	Transmit Power [dBm]	Power Setting	Duty Cycle %
802.11a WLAN HT40	CH 1	5850	9.75	10.00	5.00	\$1.47
	CH43	9170	9.80	9.50	5.00	
	CH 33	5170	7.80	8.00	5.00	
	CH 3	5850	10.00	10.00	7.00	
	CH 1	5850	10.00	10.00	7.00	\$1.47
	CH43	9170	10.10	9.80	7.00	
	CH 33	5170	8.80	9.00	7.00	
	CH 3	5850	10.00	10.00	7.00	
	CH 1	5850	10.00	10.00	7.00	\$0.98
	CH43	9170	10.10	9.80	7.00	

6.5GHz WLAN ANT 4+5							
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
6.5GHz WLAN ANT4+5	802.11a-HC20 MCS0	CH 97	6420	8.50	9.50	6.00	91.47
		CH 105	6475	8.50	9.50	6.00	
		CH 113	6515	8.50	9.50	6.00	
		CH 99	6465	10.00	10.50	8.00	
	802.11a-HC18B MCS0	CH 107	6485	10.07	10.50	8.00	91.47
		CH 109	6495	10.09	10.50	8.00	
	802.11a-HC40B MCS0	CH 103	6465	12.81	13.50	12.00	88.88

E.7 WILAN ANT-6							
Model	Channel	Frequencies (MHz)	Average power (dBm)	Transmit (dBm)	Power Setting	Duty Cycle %	
E.7.000 WILAN ANT-6 (ANT-6)	802.11a/b/g/n40-MCS0	CH117	6555	7.00	8.00	4.00	91.47
		CH119	6660	9.29	9.00	4.00	
		CH121	6665	7.39	8.00	4.00	
		CH123	6525	10.25	10.00	8.00	
		CH127	6600	10.00	11.00	8.00	
802.11a/b/g/n40-MCS0	CH119	6660	11.50	11.00	8.00	91.47	
802.11a/b/g/n40-MCS0	CH126	8650	12.00	12.00	10.00	90.98	
	CH125	8705	13.75	13.00	10.00		
	CH124	8760	13.00	13.00	10.00		

7.3 WLAN ANT 4+5						
Model	Channel	Frequency (MHz)	Average power (dBm)	Turn-on time (s)	Power Setting	Duty Cycle (%)
7.3.1a WLAN ANT4+5	BG1 11a-HIGH MCS0 (HIG4)	CA 185	8975	7.16	7.10	4.00
		CA 240	8985	6.75	7.16	8.00
		CA 260	9115	6.50	6.50	8.00
BG1 11a-HIGH MCS0	CA 187	8880	11.15	11.30	8.00	95.47
	CA 208	7685	10.74	11.11	8.00	
	CA 227	7680	9.63	10.50	8.00	
BG1 11a-HIGH MCS0	CA 248	8965	10.75	10.50	10.00	90.88
	CA 268	9115	10.50	10.50	10.00	
	CA 270	9115	10.50	10.50	10.00	