



Ant 0								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
GSM 1 Tx slot	32.22	32.28	32.14	33.50	23.22	23.28	23.14	24.50
GPRS 1 Tx slot	32.33	32.40	32.27	33.50	23.33	23.40	23.27	24.50
GPRS 2 Tx slots	31.34	31.42	31.35	32.50	25.34	25.42	25.35	26.50
GPRS 3 Tx slots	30.34	30.11	30.03	31.50	26.08	25.85	25.77	27.24
GPRS 4 Tx slots	29.42	29.35	29.24	30.50	26.42	26.35	26.24	27.50
EDGE 1 Tx slot	27.28	27.21	27.12	28.00	18.28	18.21	18.12	19.00
EDGE 2 Tx slots	26.80	26.76	26.65	27.50	20.80	20.76	20.65	21.50
EDGE 3 Tx slots	26.88	26.87	26.71	27.50	22.62	22.61	22.45	23.24
EDGE 4 Tx slots	24.56	24.95	24.78	25.50	21.56	21.95	21.78	22.50
Ant 2								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.85	1850.2	1880	1909.8	21.85
GSM 1 Tx slot	29.55	29.58	29.45	30.85	20.55	20.58	20.45	21.85
GPRS 1 Tx slot	29.64	29.68	29.57	30.85	20.64	20.68	20.57	21.85
GPRS 2 Tx slots	28.23	28.29	28.21	29.35	22.23	22.29	22.21	23.35
GPRS 3 Tx slots	27.48	27.37	27.34	28.85	23.22	23.11	23.08	24.59
GPRS 4 Tx slots	26.56	26.55	26.51	27.85	23.56	23.55	23.51	24.85
EDGE 1 Tx slot	25.09	24.97	24.83	26.35	16.09	15.97	15.83	17.35
EDGE 2 Tx slots	24.14	23.91	23.62	24.85	18.14	17.91	17.62	18.85
EDGE 3 Tx slots	23.95	23.82	23.46	24.85	19.69	19.56	19.20	20.59
EDGE 4 Tx slots	22.70	22.41	22.38	23.85	19.70	19.41	19.38	20.85



Ant 2								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	29.80	1850.2	1880	1909.8	20.80
GSM 1 Tx slot	29.55	29.58	29.45	29.80	20.55	20.58	20.45	20.80
GPRS 1 Tx slot	29.64	29.68	29.57	29.80	20.64	20.68	20.57	20.80
GPRS 2 Tx slots	26.43	26.52	26.45	26.80	20.43	20.52	20.45	20.80
GPRS 3 Tx slots	24.51	24.54	24.41	25.05	20.25	20.28	20.15	20.79
GPRS 4 Tx slots	23.60	23.72	23.50	23.80	20.60	20.72	20.50	20.80
EDGE 1 Tx slot	25.09	24.97	24.83	26.35	16.09	15.97	15.83	17.35
EDGE 2 Tx slots	24.14	23.91	23.62	24.85	18.14	17.91	17.62	18.85
EDGE 3 Tx slots	23.95	23.82	23.46	24.85	19.69	19.56	19.20	20.59
EDGE 4 Tx slots	22.70	22.41	22.38	23.80	19.70	19.41	19.38	20.80



Ant 2								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.55	29.58	29.45	30.85	20.55	20.58	20.45	21.85
GPRS 1 Tx slot	29.64	29.68	29.57	30.85	20.64	20.68	20.57	21.85
GPRS 2 Tx slots	27.25	27.26	27.26	28.50	21.25	21.26	21.26	22.50
GPRS 3 Tx slots	25.95	25.96	25.94	26.75	21.69	21.70	21.68	22.49
GPRS 4 Tx slots	24.99	25.01	24.78	25.50	21.99	22.01	21.78	22.50
EDGE 1 Tx slot	25.09	24.97	24.83	26.35	16.09	15.97	15.83	17.35
EDGE 2 Tx slots	24.14	23.91	23.62	24.85	18.14	17.91	17.62	18.85
EDGE 3 Tx slots	23.95	23.82	23.46	24.85	19.69	19.56	19.20	20.59
EDGE 4 Tx slots	22.70	22.41	22.38	23.85	19.70	19.41	19.38	20.85



Ant 2								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.70	1850.2	1880	1909.8	21.70
GSM 1 Tx slot	29.55	29.58	29.45	30.70	20.55	20.58	20.45	21.70
GPRS 1 Tx slot	29.64	29.68	29.57	30.70	20.64	20.68	20.57	21.70
GPRS 2 Tx slots	26.43	26.52	26.45	27.70	20.43	20.52	20.45	21.70
GPRS 3 Tx slots	24.51	24.54	24.41	25.95	20.25	20.28	20.15	21.69
GPRS 4 Tx slots	23.60	23.72	23.50	24.70	20.60	20.72	20.50	21.70
EDGE 1 Tx slot	25.09	24.97	24.83	26.35	16.09	15.97	15.83	17.35
EDGE 2 Tx slots	24.14	23.91	23.62	24.85	18.14	17.91	17.62	18.85
EDGE 3 Tx slots	23.95	23.82	23.46	24.85	19.69	19.56	19.20	20.59
EDGE 4 Tx slots	22.70	22.41	22.38	23.85	19.70	19.41	19.38	20.85



Ant 1								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
GSM 1 Tx slot	32.11	32.25	32.05	33.50	23.11	23.25	23.05	24.50
GPRS 1 Tx slot	32.21	32.31	32.15	33.50	23.21	23.31	23.15	24.50
GPRS 2 Tx slots	31.06	31.17	31.12	32.50	25.06	25.17	25.12	26.50
GPRS 3 Tx slots	30.11	29.91	29.86	31.50	25.85	25.65	25.60	27.24
GPRS 4 Tx slots	29.09	29.07	28.80	30.50	26.09	26.07	25.80	27.50
EDGE 1 Tx slot	26.94	26.95	26.65	28.00	17.94	17.95	17.65	19.00
EDGE 2 Tx slots	26.58	26.54	26.49	27.50	20.58	20.54	20.49	21.50
EDGE 3 Tx slots	26.55	26.45	26.64	27.50	22.29	22.19	22.38	23.24
EDGE 4 Tx slots	24.34	24.44	24.44	25.50	21.34	21.44	21.44	22.50
Ant 0								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	31.00	1850.2	1880	1909.8	22.00
GSM 1 Tx slot	29.33	29.32	29.25	31.00	20.33	20.32	20.25	22.00
GPRS 1 Tx slot	29.49	29.49	29.37	31.00	20.49	20.49	20.37	22.00
GPRS 2 Tx slots	28.14	28.14	27.99	29.50	22.14	22.14	21.99	23.50
GPRS 3 Tx slots	27.48	27.29	27.14	29.00	23.22	23.03	22.88	24.74
GPRS 4 Tx slots	26.62	26.41	26.26	28.00	23.62	23.41	23.26	25.00
EDGE 1 Tx slot	25.22	24.84	24.84	26.50	16.22	15.84	15.84	17.50
EDGE 2 Tx slots	23.84	23.86	23.51	25.00	17.84	17.86	17.51	19.00
EDGE 3 Tx slots	23.98	23.66	23.44	25.00	19.72	19.40	19.18	20.74
EDGE 4 Tx slots	22.91	22.72	22.37	24.00	19.91	19.72	19.37	21.00



Ant 1								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.11	32.25	32.05	33.50	23.11	23.25	23.05	24.50
GPRS 1 Tx slot	32.21	32.31	32.15	33.50	23.21	23.31	23.15	24.50
GPRS 2 Tx slots	31.06	31.17	31.12	32.00	25.06	25.17	25.12	26.00
GPRS 3 Tx slots	29.24	29.31	29.22	30.25	24.98	25.05	24.96	25.99
GPRS 4 Tx slots	27.95	28.18	28.15	29.00	24.95	25.18	25.15	26.00
EDGE 1 Tx slot	26.94	26.95	26.65	28.00	17.94	17.95	17.65	19.00
EDGE 2 Tx slots	26.58	26.54	26.49	27.50	20.58	20.54	20.49	21.50
EDGE 3 Tx slots	26.55	26.45	26.64	27.50	22.29	22.19	22.38	23.24
EDGE 4 Tx slots	24.34	24.44	24.44	25.50	21.34	21.44	21.44	22.50



Ant 1								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.11	32.25	32.05	33.50	23.11	23.25	23.05	24.50
GPRS 1 Tx slot	32.21	32.31	32.15	33.50	23.21	23.31	23.15	24.50
GPRS 2 Tx slots	31.06	31.17	31.12	31.20	25.06	25.17	25.12	25.20
GPRS 3 Tx slots	29.24	29.31	29.22	29.45	24.98	25.05	24.96	25.19
GPRS 4 Tx slots	27.95	28.18	28.15	28.20	24.95	25.18	25.15	25.20
EDGE 1 Tx slot	26.94	26.95	26.65	28.00	17.94	17.95	17.65	19.00
EDGE 2 Tx slots	26.58	26.54	26.49	27.50	20.58	20.54	20.49	21.50
EDGE 3 Tx slots	26.55	26.45	26.64	27.50	22.29	22.19	22.38	23.24
EDGE 4 Tx slots	24.34	24.44	24.44	25.50	21.34	21.44	21.44	22.50



Band	Ant 2					Ant 2				Ant 0			
	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
	Rx Channel	9662	9800		9938	1537	1638		1738	4357	4407		4458
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	23.90	23.81	23.77	25.25	23.75	23.72	23.70	25.25	24.11	24.10	24.13	25.30
3GPP Rel 99	RMC 12.2Kbps	23.99	23.89	23.82	25.25	23.81	23.76	23.73	25.25	24.18	24.14	24.18	25.30
3GPP Rel 6	HSDPA Subtest-1	24.19	23.90	23.88	24.25	23.74	23.70	23.66	24.25	24.28	24.28	24.10	24.30
3GPP Rel 6	HSDPA Subtest-2	24.07	23.93	23.85	24.25	22.48	23.71	23.71	24.25	24.29	24.27	24.12	24.30
3GPP Rel 6	HSDPA Subtest-3	23.71	23.66	23.60	23.75	23.41	23.38	23.39	23.75	23.79	23.80	23.70	23.80
3GPP Rel 6	HSDPA Subtest-4	23.20	23.12	23.09	23.75	22.43	23.41	23.39	23.75	23.48	23.31	23.26	23.80
3GPP Rel 6	HSUPA Subtest-1	23.17	22.93	22.89	24.25	22.82	22.66	22.67	24.25	23.59	23.53	23.46	24.30
3GPP Rel 6	HSUPA Subtest-2	19.83	19.67	19.59	22.25	19.54	19.47	19.49	22.25	22.15	22.11	22.04	22.30
3GPP Rel 6	HSUPA Subtest-3	23.05	23.10	22.89	23.25	22.92	22.65	22.76	23.25	23.01	22.98	22.91	23.30
3GPP Rel 6	HSUPA Subtest-4	19.75	19.76	19.61	22.25	19.53	19.48	19.48	22.25	21.99	21.87	21.86	22.30
3GPP Rel 6	HSUPA Subtest-5	24.20	24.10	24.00	24.25	24.00	23.90	23.80	24.25	24.20	24.30	24.30	24.30





Band		Ant 2			Tune-up Limit (dBm)	Ant 2			Tune-up Limit (dBm)
		WCDMA II				WCDMA IV			
TX Channel		9262	9400	9538	1312	1413	1513		
Rx Channel		9662	9800	9938	1537	1638	1738		
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	20.32	20.14	20.10	20.90	21.01	20.93	20.91	22.00
3GPP Rel 99	RMC 12.2Kbps	20.37	20.18	20.11	20.90	21.05	20.97	20.95	22.00
3GPP Rel 6	HSDPA Subtest-1	20.35	20.18	20.14	20.90	21.03	20.93	20.86	22.00
3GPP Rel 6	HSDPA Subtest-2	20.35	20.20	20.11	20.90	21.02	20.89	20.92	22.00
3GPP Rel 6	HSDPA Subtest-3	20.36	20.20	20.17	20.40	21.04	20.90	20.88	21.50
3GPP Rel 6	HSDPA Subtest-4	20.27	20.20	20.13	20.40	20.92	20.93	20.92	21.50
3GPP Rel 6	HSUPA Subtest-1	19.41	19.28	19.19	20.90	20.09	20.16	20.21	22.00
3GPP Rel 6	HSUPA Subtest-2	19.44	19.31	19.20	19.90	19.54	19.69	19.66	20.00
3GPP Rel 6	HSUPA Subtest-3	19.42	19.35	19.27	19.90	20.06	20.01	19.98	21.00
3GPP Rel 6	HSUPA Subtest-4	19.42	19.35	19.23	19.90	19.53	19.54	19.51	20.00
3GPP Rel 6	HSUPA Subtest-5	20.30	20.30	20.20	20.90	21.02	20.95	20.92	22.00



Band		Ant 2				Ant 2			
		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel	9262	9400	9538	1312		1413	1513		
Rx Channel	9662	9800	9938	1537	1638	1738			
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6			
3GPP Rel 99	AMR 12.2Kbps	20.32	20.14	20.10	22.10	21.47	21.42	21.50	23.30
3GPP Rel 99	RMC 12.2Kbps	20.37	20.18	20.11	22.10	21.57	21.48	21.51	23.30
3GPP Rel 6	HSDPA Subtest-1	20.35	20.18	20.14	22.10	21.54	21.51	21.48	23.30
3GPP Rel 6	HSDPA Subtest-2	20.35	20.20	20.11	22.10	21.53	21.52	21.48	23.30
3GPP Rel 6	HSDPA Subtest-3	20.36	20.20	20.17	21.60	21.54	21.48	21.50	22.80
3GPP Rel 6	HSDPA Subtest-4	20.27	20.20	20.13	21.60	21.56	21.50	21.45	22.80
3GPP Rel 6	HSUPA Subtest-1	19.41	19.28	19.19	21.90	20.61	20.62	20.60	23.30
3GPP Rel 6	HSUPA Subtest-2	19.44	19.31	19.20	20.90	19.58	19.52	19.47	21.30
3GPP Rel 6	HSUPA Subtest-3	19.42	19.35	19.27	20.90	20.59	20.54	20.50	22.30
3GPP Rel 6	HSUPA Subtest-4	19.42	19.35	19.23	20.90	19.57	19.53	19.51	21.30
3GPP Rel 6	HSUPA Subtest-5	20.30	20.30	20.20	21.90	21.52	21.45	21.47	23.30



Band		Ant 2				Ant 2			
		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel	9262	9400	9538	1312		1413	1513		
Rx Channel	9662	9800	9938	1537	1638	1738			
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6			
3GPP Rel 99	AMR 12.2Kbps	20.32	20.14	20.10	21.30	21.47	21.42	21.50	22.50
3GPP Rel 99	RMC 12.2Kbps	20.37	20.18	20.11	21.30	21.57	21.48	21.51	22.50
3GPP Rel 6	HSDPA Subtest-1	20.35	20.18	20.14	21.30	21.54	21.51	21.48	22.50
3GPP Rel 6	HSDPA Subtest-2	20.35	20.20	20.11	21.30	21.53	21.52	21.48	22.50
3GPP Rel 6	HSDPA Subtest-3	20.36	20.20	20.17	20.80	21.54	21.48	21.50	22.00
3GPP Rel 6	HSDPA Subtest-4	20.27	20.20	20.13	20.80	21.56	21.50	21.45	22.00
3GPP Rel 6	HSUPA Subtest-1	19.41	19.28	19.19	21.30	20.61	20.62	20.60	22.50
3GPP Rel 6	HSUPA Subtest-2	19.44	19.31	19.20	20.30	19.58	19.52	19.47	20.50
3GPP Rel 6	HSUPA Subtest-3	19.42	19.35	19.27	20.30	20.59	20.54	20.50	21.50
3GPP Rel 6	HSUPA Subtest-4	19.42	19.35	19.23	20.30	19.57	19.53	19.51	20.50
3GPP Rel 6	HSUPA Subtest-5	20.30	20.30	20.20	21.30	21.52	21.45	21.47	22.50



Band	Ant 0					Ant 0				Ant 1			
	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
	Rx Channel	9662	9800		9938	1537	1638		1738	4357	4407		4458
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	24.35	24.17	24.12	25.70	24.11	24.00	23.92	25.70	24.11	24.15	24.17	25.70
3GPP Rel 99	RMC 12.2Kbps	24.47	24.20	24.19	25.70	24.19	24.03	23.98	25.70	24.17	24.26	24.21	25.70
3GPP Rel 6	HSDPA Subtest-1	24.51	24.30	24.18	24.70	24.30	24.09	23.97	24.70	24.63	24.40	24.17	24.70
3GPP Rel 6	HSDPA Subtest-2	24.54	24.29	24.18	24.70	23.01	24.09	23.96	24.70	24.66	24.35	24.17	24.70
3GPP Rel 6	HSDPA Subtest-3	24.19	24.01	23.91	24.20	23.82	23.75	23.69	24.20	24.20	23.94	23.71	24.20
3GPP Rel 6	HSDPA Subtest-4	23.72	23.56	23.41	24.20	22.87	23.78	23.64	24.20	23.56	23.47	23.31	24.20
3GPP Rel 6	HSUPA Subtest-1	23.54	23.47	23.21	24.70	23.27	23.15	23.19	24.70	23.65	23.63	23.44	24.70
3GPP Rel 6	HSUPA Subtest-2	22.69	21.02	20.97	22.70	20.99	20.93	22.69	22.70	22.20	22.23	22.06	22.70
3GPP Rel 6	HSUPA Subtest-3	23.53	23.33	23.24	23.70	23.30	23.17	23.01	23.70	23.07	23.07	22.94	23.70
3GPP Rel 6	HSUPA Subtest-4	22.69	22.61	22.59	22.70	20.83	22.65	22.68	22.70	22.00	22.05	21.89	22.70
3GPP Rel 6	HSUPA Subtest-5	24.50	24.40	24.26	24.70	22.10	24.30	24.20	24.70	24.55	24.50	24.60	24.70



Band		Ant 1			Tune-up Limit (dBm)
		WCDMA V			
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.11	24.15	24.17	25.10
3GPP Rel 99	RMC 12.2Kbps	24.17	24.26	24.21	25.10
3GPP Rel 6	HSDPA Subtest-1	24.63	24.40	24.17	24.70
3GPP Rel 6	HSDPA Subtest-2	24.66	24.35	24.17	24.70
3GPP Rel 6	HSDPA Subtest-3	24.20	23.94	23.71	24.20
3GPP Rel 6	HSDPA Subtest-4	23.56	23.47	23.31	24.20
3GPP Rel 6	HSUPA Subtest-1	23.65	23.63	23.44	24.70
3GPP Rel 6	HSUPA Subtest-2	22.20	22.23	22.06	22.70
3GPP Rel 6	HSUPA Subtest-3	23.07	23.07	22.94	23.70
3GPP Rel 6	HSUPA Subtest-4	22.00	22.05	21.89	22.70
3GPP Rel 6	HSUPA Subtest-5	24.55	24.50	24.60	24.70



		Ant 0				Ant 0			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.73	22.56	22.43	23.10	23.22	23.19	23.09	23.80
3GPP Rel 99	RMC 12.2Kbps	22.79	22.59	22.48	23.10	23.25	23.21	23.12	23.80
3GPP Rel 6	HSDPA Subtest-1	22.78	22.58	22.46	23.10	23.22	23.19	23.11	23.80
3GPP Rel 6	HSDPA Subtest-2	22.75	22.58	22.43	23.10	22.11	23.19	23.08	23.80
3GPP Rel 6	HSDPA Subtest-3	22.78	22.56	22.50	23.10	23.12	23.15	22.99	23.80
3GPP Rel 6	HSDPA Subtest-4	22.71	22.59	22.46	23.10	22.17	23.18	22.94	23.80
3GPP Rel 6	HSUPA Subtest-1	21.85	21.65	21.63	23.10	22.42	22.35	22.35	23.80
3GPP Rel 6	HSUPA Subtest-2	21.85	21.13	21.08	22.10	20.88	20.79	20.79	21.80
3GPP Rel 6	HSUPA Subtest-3	21.74	21.69	21.53	22.10	22.43	22.38	22.36	22.80
3GPP Rel 6	HSUPA Subtest-4	21.74	21.69	21.52	22.10	20.97	22.32	22.37	22.80
3GPP Rel 6	HSUPA Subtest-5	22.70	22.70	22.40	23.10	23.20	23.20	22.60	23.80



		Ant 0				Ant 0			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.75	23.49	23.33	23.90	23.22	23.19	23.09	24.70
3GPP Rel 99	RMC 12.2Kbps	23.79	23.52	23.38	23.90	23.25	23.21	23.12	24.70
3GPP Rel 6	HSDPA Subtest-1	23.76	23.55	23.42	23.90	23.22	23.19	23.11	24.70
3GPP Rel 6	HSDPA Subtest-2	23.78	23.51	23.40	23.90	22.11	23.19	23.08	24.70
3GPP Rel 6	HSDPA Subtest-3	23.75	23.54	23.40	23.90	23.12	23.15	22.99	24.20
3GPP Rel 6	HSDPA Subtest-4	23.74	23.52	23.41	23.90	22.17	23.18	22.94	24.20
3GPP Rel 6	HSUPA Subtest-1	22.73	22.66	22.53	23.90	22.42	22.35	22.35	24.70
3GPP Rel 6	HSUPA Subtest-2	22.68	21.06	21.04	22.70	20.88	20.79	20.79	22.70
3GPP Rel 6	HSUPA Subtest-3	22.79	22.61	22.46	23.40	22.43	22.38	22.36	23.70
3GPP Rel 6	HSUPA Subtest-4	22.69	22.61	22.49	22.70	20.97	22.32	22.37	22.70
3GPP Rel 6	HSUPA Subtest-5	23.70	23.60	22.40	23.90	23.20	23.20	22.60	24.70



		Ant 0				Ant 0			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.75	23.49	23.33	23.90	23.22	23.19	23.09	23.90
3GPP Rel 99	RMC 12.2Kbps	23.79	23.52	23.38	23.90	23.25	23.21	23.12	23.90
3GPP Rel 6	HSDPA Subtest-1	23.76	23.55	23.42	23.90	23.22	23.19	23.11	23.90
3GPP Rel 6	HSDPA Subtest-2	23.78	23.51	23.40	23.90	22.11	23.19	23.08	23.90
3GPP Rel 6	HSDPA Subtest-3	23.75	23.54	23.40	23.90	23.12	23.15	22.99	23.90
3GPP Rel 6	HSDPA Subtest-4	23.74	23.52	23.41	23.90	22.17	23.18	22.94	23.90
3GPP Rel 6	HSUPA Subtest-1	22.73	22.66	22.53	23.90	22.42	22.35	22.35	23.90
3GPP Rel 6	HSUPA Subtest-2	22.68	21.06	21.04	22.70	20.88	20.79	20.79	21.90
3GPP Rel 6	HSUPA Subtest-3	22.79	22.61	22.46	23.40	22.43	22.38	22.36	22.90
3GPP Rel 6	HSUPA Subtest-4	22.69	22.61	22.49	22.70	20.97	22.32	22.37	22.90
3GPP Rel 6	HSUPA Subtest-5	22.70	22.60	22.40	23.90	23.20	23.20	22.60	23.90









Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)		
Channel				2040	2055	2070			
Frequency (MHz)				830	835.5	844			
10	QPSK	1	0	2468	2471	2483			
10	QPSK	1	25	2453	2451	2443		25.5	
10	QPSK	1	49	2462	2462	2447			
10	QPSK	25	0	2371	2375	2356			
10	QPSK	25	12	2368	2371	2354		24.5	
10	QPSK	25	25	2370	2374	2355			
10	QPSK	50	0	2368	2372	2362			
10	QPSK	1	0	2368	2367	2359			
10	HQAM	1	25	2367	2363	2358		24.5	
10	HQAM	1	49	2361	2364	2375			
10	HQAM	25	0	2267	2264	2255			
10	HQAM	25	12	2269	2268	2260		23.5	
10	HQAM	25	25	2273	2262	2253			
10	HQAM	50	0	2280	2268	2260			
10	HQAM	1	0	2268	2265	2260			
10	HQAM	1	25	2264	2268	2267		23.5	
10	HQAM	1	49	2266	2269	2273			
10	HQAM	25	0	2178	2169	2159			
10	HQAM	25	12	2172	2170	2161		22.5	
10	HQAM	25	25	2169	2168	2159			
10	HQAM	50	0	2178	2177	2169			
10	SSBQAM	1	0	2050	1936	2051			
10	SSBQAM	1	25	1960	1960	1967		20.5	
10	SSBQAM	1	49	1957	1977	1985			
10	SSBQAM	25	0	1991	1978	1979			
10	SSBQAM	25	12	1985	1978	1978		20.5	
10	SSBQAM	25	25	1984	1972	1977			
10	SSBQAM	50	0	1992	1978	1979			
Channel				2055	2055	2055			
Frequency (MHz)				836.5	836.5	844.5			
5	QPSK	1	0	2470	2470	2481			
5	QPSK	1	12	2470	2464	2450		25.5	
5	QPSK	1	24	2469	2459	2442			
5	QPSK	12	0	2380	2368	2355			
5	QPSK	12	6	2377	2367	2358		24.5	
5	QPSK	12	12	2371	2365	2360			
5	QPSK	25	0	2374	2370	2361			
5	HQAM	1	0	2404	2393	2387			
5	HQAM	1	12	2401	2403	2390		24.5	
5	HQAM	1	24	2397	2388	2379			
5	HQAM	12	0	2275	2274	2268			
5	HQAM	12	6	2274	2279	2268		23.5	
5	HQAM	12	12	2271	2275	2266			
5	HQAM	25	0	2276	2268	2258			
5	HQAM	1	0	2268	2261	2266			
5	HQAM	1	24	2268	2278	2272		23.5	
5	HQAM	12	0	2173	2173	2162			
5	HQAM	12	6	2169	2173	2172		22.5	
5	HQAM	12	12	2177	2182	2185			
5	HQAM	25	0	2161	2173	2169			
5	SSBQAM	1	0	1959	1963	2051			
5	SSBQAM	1	12	1959	1975	1974		20.5	
5	SSBQAM	1	24	1957	1975	1984			
5	SSBQAM	12	0	1957	1957	1972			
5	SSBQAM	12	6	1959	1970	1978		20.5	
5	SSBQAM	12	12	1967	1976	1976			
5	SSBQAM	25	0	1961	1977	1980			
Channel				2045	2052	2063			
Frequency (MHz)				836.5	836.5	843.5			
3	QPSK	1	0	2465	2456	2454			
3	QPSK	1	6	2463	2455	2443		25.5	
3	QPSK	1	11	2465	2452	2441			
3	QPSK	6	0	2372	2362	2347			
3	QPSK	6	4	2368	2354	2347		24.5	
3	QPSK	6	8	2372	2365	2354			
3	QPSK	16	0	2371	2357	2348			
3	HQAM	1	0	2391	2396	2372			
3	HQAM	1	6	2388	2379	2360		24.5	
3	HQAM	1	14	2359	2384	2366			
3	HQAM	6	0	2261	2267	2252			
3	HQAM	6	4	2270	2272	2255		23.5	
3	HQAM	6	7	2275	2275	2268			
3	HQAM	16	0	2266	2263	2259			
3	HQAM	1	0	2260	2278	2273		23.5	
3	HQAM	1	6	2265	2274	2266			
3	HQAM	6	14	2276	2276	2269			
3	HQAM	6	0	2182	2183	2155			
3	HQAM	6	4	2174	2167	2158		22.5	
3	HQAM	6	7	2176	2166	2158			
3	HQAM	16	0	2184	2181	2159			
3	SSBQAM	1	0	1965	1966	2052			
3	SSBQAM	1	14	1958	1974	1977		20.5	
3	SSBQAM	6	0	1967	1960	1960			
3	SSBQAM	6	4	1979	1971	1975		20.5	
3	SSBQAM	6	7	1961	1959	1967			
3	SSBQAM	16	0	1968	1978	1980			
Channel				2067	2052	2063			
Frequency (MHz)				824.7	824.5	843.5			
1.4	QPSK	1	0	2463	2459	2443			
1.4	QPSK	1	3	2458	2450	2439		25.5	
1.4	QPSK	1	5	2458	2450	2439			
1.4	QPSK	1	6	2461	2450	2444			
1.4	QPSK	3	1	2471	2459	2445			
1.4	QPSK	3	3	2463	2456	2439		24.5	
1.4	QPSK	6	0	2357	2360	2344			
1.4	HQAM	1	0	2365	2362	2367			
1.4	HQAM	1	5	2378	2371	2358		24.5	
1.4	HQAM	1	5	2363	2361	2357			
1.4	HQAM	3	0	2372	2359	2353			
1.4	HQAM	3	1	2375	2373	2366		23.5	
1.4	HQAM	3	1	2372	2373	2363			
1.4	HQAM	6	0	2268	2264	2244			
1.4	HQAM	1	0	2260	2261	2266			
1.4	HQAM	1	3	2275	2268	2268		23.5	
1.4	HQAM	1	6	2284	2273	2264			
1.4	HQAM	6	0	2271	2263	2254			
1.4	HQAM	3	1	2260	2268	2265			
1.4	HQAM	3	1	2274	2267	2264		22.5	
1.4	HQAM	6	0	2153	2158	2155			
1.4	SSBQAM	1	0	1967	1952	1967			
1.4	SSBQAM	1	0	1968	1952	1965		20.5	
1.4	SSBQAM	1	5	1967	1975	1982			
1.4	SSBQAM	3	0	1951	1974	1978			
1.4	SSBQAM	3	1	1978	1968	1976			
1.4	SSBQAM	3	1	1983	1984	1978		20.5	
1.4	SSBQAM	6	0	1966	1960	1976			



Band 7_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)			
Channel				2590	2635	2680				
Frequency (MHz)				2590	2635	2680				
20	QPSK	1	0	24.05	24.06	24.04	25.2			
20	QPSK	1	49	24.34	24.32	24.27				
20	QPSK	1	99	24.29	24.32	24.33				
20	QPSK	60	0	23.08	23.32	23.27	24.2			
20	QPSK	50	24	23.22	23.20	23.26				
20	QPSK	50	50	23.25	23.28	23.23				
20	HQAM	1	0	23.18	23.22	23.17	24.2			
20	HQAM	1	0	23.30	23.32	23.43				
20	HQAM	1	49	23.25	23.37	23.30				
20	HQAM	50	99	23.37	23.40	23.35	23.2			
20	HQAM	50	0	22.19	22.17	22.21				
20	HQAM	50	24	22.25	22.26	22.29				
20	HQAM	50	50	22.22	22.20	22.26	23.2			
20	HQAM	100	0	22.17	22.19	22.17				
20	HQAM	1	0	22.36	22.36	22.31				
20	HQAM	1	49	22.20	22.28	22.25	22.2			
20	HQAM	1	99	22.25	22.42	22.39				
20	HQAM	50	0	21.23	21.21	21.30				
20	HQAM	50	24	21.30	21.24	21.34	22.2			
20	HQAM	50	50	21.25	21.32	21.25				
20	HQAM	100	0	21.32	21.22	21.29				
20	SSBQAM	1	0	19.26	19.22	19.24	20.2			
20	SSBQAM	1	49	19.19	19.04	19.12				
20	SSBQAM	1	99	19.15	19.08	19.12				
20	SSBQAM	50	0	19.23	19.04	19.10	20.2			
20	SSBQAM	50	24	19.27	19.05	19.12				
20	SSBQAM	50	50	19.14	19.03	19.07				
20	SSBQAM	100	0	19.18	19.07	19.10	19.2			
Channel				2675.5	2710	2745.5				
Frequency (MHz)				2675.5	2710	2745.5				
15	QPSK	1	0	24.03	24.14	24.09	25.2			
15	QPSK	1	49	24.04	24.04	24.00				
15	QPSK	1	74	24.11	24.09	24.11				
15	QPSK	30	0	23.23	23.16	23.22	24.2			
15	QPSK	30	20	23.22	23.24	23.21				
15	QPSK	30	39	23.27	23.27	23.22				
15	QPSK	75	0	23.25	23.19	23.24	24.2			
15	HQAM	1	0	23.33	23.39	23.35				
15	HQAM	1	37	23.43	23.51	23.35				
15	HQAM	1	74	23.57	23.50	23.49	23.2			
15	HQAM	30	0	22.18	22.18	22.21				
15	HQAM	30	20	22.12	22.17	22.20				
15	HQAM	30	39	22.14	22.26	22.29	23.2			
15	HQAM	75	0	22.18	22.27	22.31				
15	HQAM	1	0	22.29	22.24	22.29				
15	HQAM	1	74	22.22	22.37	22.38	23.2			
15	HQAM	30	0	21.14	21.18	21.21				
15	HQAM	30	20	21.25	21.24	21.28				
15	HQAM	30	39	21.20	21.24	21.27	22.2			
15	HQAM	75	0	21.04	21.23	21.22				
15	SSBQAM	1	0	19.21	19.14	19.15				
15	SSBQAM	1	37	19.17	19.01	19.00	20.2			
15	SSBQAM	1	74	19.21	19.05	19.11				
15	SSBQAM	30	0	19.21	19.01	19.10				
15	SSBQAM	30	20	19.17	18.98	19.05	20.2			
15	SSBQAM	30	39	19.03	18.95	19.04				
15	SSBQAM	75	0	19.08	19.06	19.00				
Channel				2690	2700	2700				
Frequency (MHz)				2690	2700	2700				
10	QPSK	1	0	24.09	24.08	24.10	25.2			
10	QPSK	1	25	24.08	24.05	24.07				
10	QPSK	1	49	24.18	24.00	24.07				
10	QPSK	25	0	23.20	23.27	23.27	24.2			
10	QPSK	25	12	23.30	23.23	23.25				
10	QPSK	25	25	23.31	23.25	23.28				
10	QPSK	50	0	23.31	23.33	23.35	24.2			
10	HQAM	1	0	23.47	23.42	23.43				
10	HQAM	1	25	23.38	23.34	23.34				
10	HQAM	1	49	23.39	23.49	23.47	23.2			
10	HQAM	25	0	22.20	22.21	22.20				
10	HQAM	25	12	22.22	22.31	22.26				
10	HQAM	25	25	22.29	22.32	22.26	23.2			
10	HQAM	50	0	22.30	22.30	22.37				
10	HQAM	1	0	22.39	22.39	22.28				
10	HQAM	1	25	22.35	22.48	22.39	23.2			
10	HQAM	1	49	22.46	22.50	22.44				
10	HQAM	25	0	21.26	21.29	21.30				
10	HQAM	25	12	21.28	21.23	21.23	22.2			
10	HQAM	25	25	21.33	21.33	21.26				
10	HQAM	50	0	21.32	21.38	21.32				
10	SSBQAM	1	0	19.26	19.16	19.17	20.2			
10	SSBQAM	1	25	19.10	19.08	19.01				
10	SSBQAM	1	49	19.15	18.95	18.99				
10	SSBQAM	25	0	19.13	19.12	19.06	20.2			
10	SSBQAM	25	12	19.13	19.05	19.14				
10	SSBQAM	25	25	19.02	18.91	19.03				
10	SSBQAM	50	0	19.02	19.02	19.01	19.2			
Channel				2677.5	2700	2702.5				
Frequency (MHz)				2677.5	2700	2702.5				
5	QPSK	1	0	24.07	24.08	24.00	25.2			
5	QPSK	1	12	24.19	24.00	24.15				
5	QPSK	1	24	24.15	24.14	24.13				
5	QPSK	15	0	23.23	23.25	23.24	24.2			
5	QPSK	12	7	23.24	23.25	23.31				
5	QPSK	12	15	23.30	23.32	23.31				
5	QPSK	25	0	23.30	23.31	23.29	24.2			
5	HQAM	1	0	23.45	23.48	23.43				
5	HQAM	1	12	23.40	23.45	23.35				
5	HQAM	1	24	23.38	23.47	23.44	24.2			
5	HQAM	12	0	22.21	22.30	22.31				
5	HQAM	12	12	22.25	22.33	22.30				
5	HQAM	12	12	22.26	22.28	22.35	23.2			
5	HQAM	25	0	22.28	22.30	22.27				
5	HQAM	1	0	22.38	22.44	22.27				
5	HQAM	1	12	22.38	22.46	22.31	23.2			
5	HQAM	11	24	22.46	22.48	22.38				
5	HQAM	12	0	21.32	21.33	21.24				
5	HQAM	12	7	21.24	21.29	21.27	22.2			
5	HQAM	12	12	21.27	21.28	21.27				
5	HQAM	25	0	21.30	21.31	21.34				
5	SSBQAM	1	0	19.14	19.16	19.20	20.2			
5	SSBQAM	1	12	19.11	18.96	19.07				
5	SSBQAM	1	24	19.07	18.98	19.00				
5	SSBQAM	12	0	19.16	18.98	19.11	20.2			
5	SSBQAM	12	12	19.12	19.08	19.08				
5	SSBQAM	12	12	19.13	18.96	18.97				
5	SSBQAM	22	0	19.12	18.92	19.02	19.2			



Band 12_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Time-up (sec)
Channel							
Frequency (MHz)							
10	QPSK	1	0	2411	2434	2451	20.3
10	QPSK	1	26	2418	2424	2421	
10	QPSK	1	49	2430	2430	2422	24.3
10	QPSK	25	12	2334	2333	2335	
10	QPSK	25	25	2328	2338	2336	24.3
10	QPSK	25	0	2332	2335	2334	
10	HQAM	1	0	2351	2386	2387	20.3
10	HQAM	1	26	2358	2371	2360	
10	HQAM	1	49	2368	2368	2364	20.3
10	HQAM	25	0	2251	2233	2236	
10	HQAM	25	12	2255	2247	2240	20.3
10	HQAM	25	25	2237	2247	2245	
10	HQAM	25	0	2252	2248	2238	20.3
10	HQAM	1	0	2254	2256	2251	
10	HQAM	1	26	2243	2251	2252	20.3
10	HQAM	1	49	2263	2263	2262	
10	HQAM	25	0	2138	2134	2137	20.3
10	HQAM	25	12	2141	2137	2138	
10	HQAM	25	25	2140	2147	2147	20.3
10	HQAM	25	0	2143	2154	2146	
10	SSBQAM	1	0	1965	1972	1974	20.3
10	SSBQAM	1	26	1966	1962	1968	
10	SSBQAM	1	49	1959	1959	1959	20.3
10	SSBQAM	25	0	1952	1971	1968	
10	SSBQAM	25	12	1965	1965	1958	20.3
10	SSBQAM	25	25	1953	1952	1952	
10	SSBQAM	25	0	1962	1959	1974	Time-up (sec)
Channel							
Frequency (MHz)							
5	QPSK	1	0	2432	2430	2428	20.3
5	QPSK	1	24	2431	2426	2433	
5	QPSK	1	24	2429	2429	2429	24.3
5	QPSK	12	0	2330	2341	2336	
5	QPSK	12	12	2337	2348	2341	24.3
5	QPSK	12	12	2339	2344	2338	
5	QPSK	25	0	2333	2338	2334	24.3
5	HQAM	1	0	2368	2373	2365	
5	HQAM	1	12	2368	2378	2367	20.3
5	HQAM	1	24	2371	2378	2358	
5	HQAM	12	0	2244	2230	2245	20.3
5	HQAM	12	7	2247	2248	2230	
5	HQAM	12	13	2246	2252	2243	20.3
5	HQAM	25	0	2243	2242	2234	
5	HQAM	1	0	2258	2255	2249	20.3
5	HQAM	1	24	2265	2267	2243	
5	HQAM	1	24	2266	2265	2245	20.3
5	HQAM	12	0	2150	2151	2138	
5	HQAM	12	7	2148	2147	2146	20.3
5	HQAM	12	13	2150	2148	2148	
5	HQAM	25	0	2144	2144	2143	20.3
5	SSBQAM	1	0	1955	1958	1972	
5	SSBQAM	1	12	1959	1959	1960	20.3
5	SSBQAM	1	24	1955	1955	1955	
5	SSBQAM	12	7	1949	1959	1951	20.3
5	SSBQAM	12	13	1945	1953	1950	
5	SSBQAM	25	0	1953	1954	1953	Time-up (sec)
Channel							
Frequency (MHz)							
3	QPSK	1	0	2420	2420	2421	20.3
3	QPSK	1	8	2422	2427	2417	
3	QPSK	1	8	2428	2430	2427	24.3
3	QPSK	8	0	2332	2337	2335	
3	QPSK	8	4	2324	2338	2334	24.3
3	QPSK	8	4	2331	2339	2332	
3	QPSK	16	0	2331	2338	2333	24.3
3	HQAM	1	0	2358	2361	2364	
3	HQAM	1	8	2359	2359	2357	20.3
3	HQAM	1	14	2354	2359	2351	
3	HQAM	1	4	2346	2342	2333	20.3
3	HQAM	8	4	2242	2240	2237	
3	HQAM	8	7	2252	2245	2241	20.3
3	HQAM	16	0	2241	2243	2235	
3	HQAM	1	0	2243	2255	2252	20.3
3	HQAM	1	8	2249	2252	2252	
3	HQAM	1	14	2253	2250	2246	20.3
3	HQAM	8	0	2145	2138	2138	
3	HQAM	8	4	2146	2147	2140	20.3
3	HQAM	8	7	2148	2147	2133	
3	HQAM	16	0	2141	2141	2133	20.3
3	SSBQAM	1	0	1955	1958	1964	
3	SSBQAM	1	14	1958	1953	1953	20.3
3	SSBQAM	8	0	1953	1945	1946	
3	SSBQAM	8	4	1945	1951	1945	20.3
3	SSBQAM	8	7	1945	1958	1947	
3	SSBQAM	16	0	1953	1953	1958	Time-up (sec)
Channel							
Frequency (MHz)							
1.4	QPSK	1	0	2433	2433	2427	20.3
1.4	QPSK	1	3	2419	2427	2420	
1.4	QPSK	1	5	2433	2431	2422	24.3
1.4	QPSK	3	0	2430	2433	2417	
1.4	QPSK	3	1	2431	2433	2424	24.3
1.4	QPSK	3	3	2427	2422	2416	
1.4	QPSK	6	0	2327	2329	2318	24.3
1.4	HQAM	1	0	2347	2353	2349	
1.4	HQAM	1	5	2342	2353	2339	24.3
1.4	HQAM	1	5	2352	2357	2349	
1.4	HQAM	3	0	2344	2341	2330	20.3
1.4	HQAM	3	1	2346	2348	2330	
1.4	HQAM	3	1	2344	2339	2335	20.3
1.4	HQAM	6	0	2230	2230	2227	
1.4	HQAM	1	0	2247	2251	2248	20.3
1.4	HQAM	1	3	2238	2231	2227	
1.4	HQAM	1	6	2253	2243	2242	20.3
1.4	HQAM	1	6	2247	2237	2235	
1.4	HQAM	3	1	2252	2250	2238	20.3
1.4	HQAM	3	1	2244	2241	2231	
1.4	HQAM	6	0	2137	2133	2132	20.3
1.4	SSBQAM	1	0	1951	1961	1970	
1.4	SSBQAM	1	1	1945	1952	1959	20.3
1.4	SSBQAM	1	5	1958	1955	1958	
1.4	SSBQAM	3	0	1958	1952	1951	20.3
1.4	SSBQAM	3	1	1949	1954	1946	
1.4	SSBQAM	3	1	1951	1954	1957	20.3
1.4	SSBQAM	6	0	1946	1958	1953	



Band 13_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0	2426	2426		25.3
10	QPSK	1	49	2420	2425		
10	QPSK	1	49	2425	2425		
10	QPSK	25	0	2336	2336		24.3
10	QPSK	25	12	2334	2337	2341	
10	QPSK	25	25	2333	2333	2339	
10	QPSK	50	0	2342	2342		24.3
10	HQAM	1	0	2359	2359		
10	HQAM	1	25	2352	2352		
10	HQAM	25	0	2238	2238		23.3
10	HQAM	25	12	2238	2238	2244	
10	HQAM	25	25	2238	2238	2244	
10	HQAM	50	0	2254	2254		23.3
10	HQAM	1	25	2252	2252		
10	HQAM	1	49	2249	2249		
10	HQAM	25	0	2137	2137		22.3
10	HQAM	25	12	2140	2140	2145	
10	HQAM	25	25	2142	2142	2144	
10	HQAM	50	0	2144	2144		20.3
10	256QAM	1	0	1982	1982		
10	256QAM	1	25	1980	1980		
10	256QAM	25	0	1958	1958		20.3
10	256QAM	25	12	1951	1951	1955	
10	256QAM	25	25	1949	1949	1955	
10	256QAM	50	0	1948	1948		
Channel							
Frequency (MHz)							
5	QPSK	1	0	2426	2419	2423	25.3
5	QPSK	1	49	2415	2420	2424	
5	QPSK	1	24	2416	2413	2421	
5	QPSK	12	0	2333	2337	2341	24.3
5	QPSK	12	12	2335	2342	2344	
5	QPSK	12	12	2334	2337	2341	
5	QPSK	25	0	2333	2333	2339	24.3
5	HQAM	1	0	2352	2379	2379	
5	HQAM	1	12	2358	2372	2388	
5	HQAM	1	24	2361	2368	2363	23.3
5	HQAM	12	0	2240	2244	2248	
5	HQAM	12	7	2244	2247	2251	
5	HQAM	12	12	2241	2246	2246	23.3
5	HQAM	25	0	2238	2241	2240	
5	HQAM	1	0	2243	2258	2285	
5	HQAM	1	49	2238	2280	2252	23.3
5	HQAM	1	24	2252	2281	2258	
5	HQAM	12	0	2140	2143	2146	
5	HQAM	12	7	2142	2147	2152	22.3
5	HQAM	12	12	2145	2148	2151	
5	HQAM	25	0	2141	2142	2146	
5	256QAM	1	0	1956	1955	1973	20.3
5	256QAM	1	12	1961	1983	1972	
5	256QAM	1	24	1952	1956	1959	
5	256QAM	12	7	1943	1951	1952	20.3
5	256QAM	12	12	1945	1948	1949	
5	256QAM	25	0	1944	1945	1946	



Band 14_Ant 0						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel						
Frequency (MHz)						
10	QPSK	1	0	2444		
10	QPSK	1	49	2432		
10	QPSK	1	49	2443		
10	QPSK	25	0	2353		
10	QPSK	25	12	2352		
10	QPSK	25	25	2348		
10	QPSK	50	0	2354		
10	HQAM	1	0	2381		
10	HQAM	1	25	2382		
10	HQAM	1	49	2384		
10	HQAM	25	0	2254		
10	HQAM	25	12	2257		
10	HQAM	25	25	2255		
10	HQAM	50	0	2283		
10	HQAM	1	0	2256		
10	HQAM	1	25	2271		
10	HQAM	1	49	2273		
10	HQAM	25	0	2157		
10	HQAM	25	12	2159		
10	HQAM	25	25	2181		
10	HQAM	50	0	2187		
10	256QAM	1	0	1981		
10	256QAM	1	25	1980		
10	256QAM	1	49	1979		
10	256QAM	25	0	1987		
10	256QAM	25	12	1986		
10	256QAM	25	25	1984		
10	256QAM	50	0	1982		
Channel						
Frequency (MHz)						
5	QPSK	1	0	2438	2440	2443
5	QPSK	1	49	2437	2438	2442
5	QPSK	1	24	2437	2439	2441
5	QPSK	12	0	2352	2357	2359
5	QPSK	12	12	2355	2360	2364
5	QPSK	12	12	2360	2368	2383
5	QPSK	25	0	2351	2357	2362
5	HQAM	1	0	2377	2392	2397
5	HQAM	1	12	2387	2388	2395
5	HQAM	1	24	2379	2377	2390
5	HQAM	12	0	2254	2260	2269
5	HQAM	12	7	2263	2262	2288
5	HQAM	12	12	2263	2261	2289
5	HQAM	25	0	2258	2258	2264
5	HQAM	1	0	2269	2269	2282
5	HQAM	1	49	2264	2262	2277
5	HQAM	1	24	2274	2277	2282
5	HQAM	12	0	2158	2165	2174
5	HQAM	12	7	2165	2164	2172
5	HQAM	12	12	2168	2184	2189
5	HQAM	25	0	2161	2160	2189
5	256QAM	1	0	1975	1981	1984
5	256QAM	1	12	1981	1979	1988
5	256QAM	1	24	1976	1985	1987
5	256QAM	12	0	1957	1973	1980
5	256QAM	12	7	1968	1971	1978
5	256QAM	12	12	1965	1976	1976
5	256QAM	25	0	1982	1988	1975



Band 17_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)
Channel				700	710	711	
Frequency (MHz)				700	710	711	
10	QPSK	1	0	24.81	24.82	24.83	20.3
10	QPSK	1	26	24.15	24.20	24.18	
10	QPSK	1	49	24.30	24.30	24.28	
10	QPSK	26	0	23.35	23.38	23.36	24.3
10	QPSK	25	12	23.34	23.35	23.34	
10	QPSK	25	25	23.33	23.36	23.35	
10	QPSK	50	0	23.38	23.40	23.39	24.3
10	HQAM	1	0	23.87	23.82	23.88	
10	HQAM	1	26	23.83	23.86	23.85	
10	HQAM	1	49	23.69	23.67	23.57	23.3
10	HQAM	26	0	22.58	22.58	22.54	
10	HQAM	25	12	22.58	22.58	22.57	
10	HQAM	25	25	22.40	22.40	22.40	23.3
10	HQAM	50	0	22.44	22.44	22.40	
10	HQAM	1	26	22.55	22.50	22.57	
10	HQAM	1	49	22.58	22.58	22.48	22.3
10	HQAM	26	0	21.41	21.36	21.38	
10	HQAM	26	12	21.41	21.43	21.41	
10	HQAM	25	25	21.44	21.45	21.43	20.3
10	HQAM	50	0	21.50	21.48	21.47	
10	256QAM	1	0	19.73	19.70	19.86	
10	256QAM	1	26	19.80	19.86	19.82	20.3
10	256QAM	1	49	19.57	19.52	19.51	
10	256QAM	25	0	19.59	19.84	19.81	
10	256QAM	25	12	19.56	19.56	19.56	20.3
10	256QAM	25	25	19.53	19.58	19.53	
10	256QAM	50	0	19.61	19.63	19.85	
Channel				700.5	710	711.5	
Frequency (MHz)				700.5	710	711.5	
5	QPSK	1	0	24.29	24.30	24.28	20.3
5	QPSK	1	24	24.31	24.31	24.30	
5	QPSK	1	24	24.30	24.30	24.29	
5	QPSK	12	0	23.33	23.39	23.27	24.3
5	QPSK	12	12	23.35	23.41	23.33	
5	QPSK	12	12	23.35	23.40	23.32	
5	QPSK	25	0	23.35	23.37	23.29	24.3
5	HQAM	1	0	23.64	23.72	23.61	
5	HQAM	1	12	23.67	23.71	23.59	
5	HQAM	1	24	23.64	23.64	23.53	23.3
5	HQAM	12	0	22.42	22.43	22.39	
5	HQAM	12	12	22.45	22.46	22.41	
5	HQAM	25	0	22.38	22.39	22.38	20.3
5	HQAM	1	0	22.48	22.58	22.43	
5	HQAM	1	24	22.38	22.53	22.43	
5	HQAM	1	24	22.49	22.58	22.41	22.3
5	HQAM	12	0	21.41	21.40	21.37	
5	HQAM	12	12	21.44	21.49	21.44	
5	HQAM	12	12	21.46	21.47	21.44	20.3
5	HQAM	25	0	21.41	21.42	21.38	
5	256QAM	1	0	19.51	19.52	19.58	
5	256QAM	1	12	19.51	19.53	19.48	20.3
5	256QAM	1	24	19.57	19.48	19.44	
5	256QAM	12	0	19.51	19.58	19.59	
5	256QAM	12	7	19.53	19.49	19.48	20.3
5	256QAM	12	12	19.45	19.49	19.52	
5	256QAM	25	0	19.59	19.50	19.50	









Band 30_Ant 2						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel						
Frequency (MHz)						
10	QPSK	1	0	23.56		
10	QPSK	1	49	23.51		
10	QPSK	1	49	23.54		
10	QPSK	25	0	20.58		
10	QPSK	25	12	20.57		
10	QPSK	25	25	20.54		
10	QPSK	50	0	20.52		
10	QPSK	50	0	22.90		
10	HQAM	1	25	22.82		
10	HQAM	1	49	22.87		
10	HQAM	25	0	20.53		
10	HQAM	25	12	20.55		
10	HQAM	25	25	20.57		
10	HQAM	50	0	20.58		
10	HQAM	1	0	21.91		
10	HQAM	1	25	21.53		
10	HQAM	1	49	21.82		
10	HQAM	25	0	20.57		
10	HQAM	25	12	20.82		
10	HQAM	25	25	20.87		
10	HQAM	50	0	20.88		
10	256QAM	1	0	18.82		
10	256QAM	1	25	18.48		
10	256QAM	1	49	18.48		
10	256QAM	25	0	18.52		
10	256QAM	25	12	18.45		
10	256QAM	25	25	18.38		
10	256QAM	50	0	18.58		
Channel						
Frequency (MHz)						
5	QPSK	1	0	23.48	23.47	23.48
5	QPSK	1	49	23.48	23.42	23.51
5	QPSK	1	24	23.45	23.44	23.44
5	QPSK	12	0	20.49	20.56	20.58
5	QPSK	12	13	20.57	20.58	20.57
5	QPSK	12	13	20.55	20.54	20.54
5	QPSK	25	0	20.45	20.43	20.48
5	HQAM	1	0	22.84	22.86	22.86
5	HQAM	1	12	22.82	22.78	22.73
5	HQAM	1	24	22.83	22.83	22.77
5	HQAM	12	0	20.59	20.59	20.61
5	HQAM	12	7	20.57	20.54	20.54
5	HQAM	12	13	20.54	20.53	20.50
5	HQAM	25	0	20.50	20.54	20.51
5	HQAM	1	0	21.88	21.88	21.82
5	HQAM	1	49	21.82	21.75	21.83
5	HQAM	1	24	21.74	21.77	21.78
5	HQAM	12	0	20.58	20.55	20.59
5	HQAM	12	7	20.57	20.58	20.54
5	HQAM	12	13	20.57	20.57	20.54
5	HQAM	25	0	20.57	20.53	20.50
5	256QAM	1	0	18.50	18.56	18.50
5	256QAM	1	12	18.40	18.49	18.41
5	256QAM	1	24	18.42	18.46	18.38
5	256QAM	12	7	18.38	18.35	18.39
5	256QAM	12	13	18.33	18.36	18.34
5	256QAM	25	0	18.53	18.56	18.58





Band 71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Time-up (min)		
Channel				1932	1932	1932			
Frequency (MHz)				193	193	193			
20	QPSK	1	0	2447	2450	2444			
20	QPSK	1	49	2449	2448	2441			23.3
20	QPSK	1	99	2448	2439	2439			
20	QPSK	1	149	2358	2360	2344			
20	QPSK	50	24	2356	2357	2347			24.3
20	QPSK	50	99	2359	2355	2347			
20	QPSK	100	0	2357	2358	2345			
20	HQAM	1	0	2376	2388	2374			24.3
20	HQAM	1	49	2376	2377	2379			
20	HQAM	1	99	2383	2374	2371			
20	HQAM	50	0	2253	2248	2252			
20	HQAM	50	49	2255	2251	2250			23.3
20	HQAM	50	99	2255	2249	2250			
20	HQAM	100	0	2258	2245	2247			
20	HQAM	1	49	2276	2274	2270			23.3
20	HQAM	1	99	2276	2273	2253			
20	HQAM	1	149	2289	2269	2272			
20	HQAM	50	0	2157	2150	2155			
20	HQAM	50	24	2181	2182	2158			22.3
20	HQAM	50	99	2158	2157	2157			
20	HQAM	100	0	2157	2152	2153			
20	256QAM	1	0	1964	1976	1983			20.3
20	256QAM	1	49	1968	1974	1976			
20	256QAM	1	99	1959	1959	1959			
20	256QAM	50	0	1961	1957	1960			
20	256QAM	50	24	1951	1952	1958			20.3
20	256QAM	50	99	1951	1952	1958			
20	256QAM	100	0	1958	1954	1967			
Channel				19312	19322	19312			Time-up (min)
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	2430	2434	2430			23.3
15	QPSK	1	49	2418	2432	2434			
15	QPSK	1	74	2426	2428	2430			
15	QPSK	30	0	2333	2337	2335			24.3
15	QPSK	30	20	2333	2336	2337			
15	QPSK	30	39	2331	2336	2337			
15	QPSK	75	0	2329	2332	2335			
15	HQAM	1	0	2358	2366	2370			24.3
15	HQAM	1	39	2372	2374	2368			
15	HQAM	1	74	2358	2375	2369			
15	HQAM	30	0	2232	2234	2236			23.3
15	HQAM	30	20	2234	2238	2238			
15	HQAM	30	39	2234	2241	2236			
15	HQAM	75	0	2235	2234	2235			
15	HQAM	1	0	2245	2253	2249			23.3
15	HQAM	1	39	2250	2242	2248			
15	HQAM	1	74	2249	2284	2247			
15	HQAM	30	0	2137	2140	2141			22.3
15	HQAM	30	20	2138	2145	2141			
15	HQAM	30	39	2139	2145	2143			
15	HQAM	75	0	2153	2158	2159			
15	256QAM	1	0	1969	1968	1963			20.3
15	256QAM	1	39	1965	1968	1970			
15	256QAM	1	74	1950	1949	1950			
15	256QAM	30	0	1953	1953	1958			20.3
15	256QAM	30	20	1955	1948	1948			
15	256QAM	30	39	1953	1949	1950			
Channel				19312	19322	19342			Time-up (min)
Frequency (MHz)				682.5	672.5	682.5			
10	QPSK	1	0	2427	2431	2434			25.3
10	QPSK	1	25	2411	2419	2421			
10	QPSK	1	49	2421	2429	2427			
10	QPSK	25	0	2329	2334	2332			24.3
10	QPSK	25	12	2327	2330	2332			
10	QPSK	25	25	2328	2335	2335			
10	QPSK	50	0	2329	2339	2338			
10	HQAM	1	0	2363	2367	2368			24.3
10	HQAM	1	25	2354	2360	2361			
10	HQAM	1	49	2363	2371	2362			
10	HQAM	25	0	2235	2236	2233			23.3
10	HQAM	25	12	2239	2237	2239			
10	HQAM	25	25	2234	2237	2240			
10	HQAM	50	0	2236	2236	2242			
10	HQAM	1	0	2250	2252	2254			23.3
10	HQAM	1	25	2249	2255	2250			
10	HQAM	1	49	2255	2257	2254			
10	HQAM	25	0	2132	2136	2138			22.3
10	HQAM	25	12	2132	2141	2138			
10	HQAM	25	25	2137	2140	2141			
10	HQAM	50	0	2142	2143	2148			
10	256QAM	1	0	1966	1971	1974			20.3
10	256QAM	1	25	1955	1959	1974			
10	256QAM	1	49	1958	1952	1952			
10	256QAM	25	0	1965	1948	1941			20.3
10	256QAM	25	12	1948	1951	1950			
10	256QAM	25	25	1946	1951	1957			
10	256QAM	50	0	1945	1948	1937			
Channel				19347	19347	19347			Time-up (min)
Frequency (MHz)				682.5	672.5	682.5			
5	QPSK	1	0	2427	2430	2431			25.3
5	QPSK	1	12	2431	2429	2431			
5	QPSK	1	24	2429	2427	2429			
5	QPSK	10	0	2330	2329	2333			24.3
5	QPSK	12	7	2332	2331	2335			
5	QPSK	12	13	2332	2331	2333			
5	QPSK	25	0	2332	2329	2330			
5	HQAM	1	0	2359	2355	2359			24.3
5	HQAM	1	12	2359	2367	2373			
5	HQAM	1	24	2364	2362	2366			
5	HQAM	12	0	2235	2236	2241			23.3
5	HQAM	12	13	2237	2236	2241			
5	HQAM	12	13	2235	2236	2241			
5	HQAM	25	0	2233	2234	2233			
5	HQAM	1	0	2247	2248	2255			23.3
5	HQAM	1	12	2248	2228	2244			
5	HQAM	11	24	2257	2247	2261			
5	HQAM	12	0	2139	2136	2145			22.3
5	HQAM	12	7	2141	2139	2150			
5	HQAM	12	13	2141	2141	2146			
5	HQAM	25	0	2135	2139	2135			
5	256QAM	1	0	1964	1967	1979			20.3
5	256QAM	1	12	1959	1967	1979			
5	256QAM	1	24	1957	1949	1958			
5	256QAM	12	0	1958	1953	1959			20.3
5	256QAM	12	13	1957	1956	1958			
5	256QAM	12	13	1945	1948	1949			
5	256QAM	22	0	1953	1947	1950			







Band 7_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)
Channel							
Frequency (MHz)							
20	QPSK	1	0	20.01	19.99	20.02	20.2
20	QPSK	1	49	20.00	19.98	20.01	
20	QPSK	1	99	20.00	19.98	20.00	
20	QPSK	60	0	20.00	20.00	20.00	20.2
20	QPSK	50	24	20.10	20.03	20.17	
20	QPSK	50	50	20.09	20.02	20.13	
20	HQAM	1	0	20.12	20.15	20.19	20.2
20	HQAM	1	49	20.18	20.17	20.13	
20	HQAM	1	99	20.18	20.17	20.13	
20	HQAM	50	0	20.09	20.04	20.14	20.2
20	HQAM	50	24	20.09	20.03	20.13	
20	HQAM	100	0	20.04	19.97	20.00	
20	HQAM	1	0	20.06	20.06	20.13	20.2
20	HQAM	1	49	20.10	20.12	20.12	
20	HQAM	1	99	20.15	20.13	20.17	
20	HQAM	50	0	20.10	20.04	20.12	20.2
20	HQAM	50	24	20.11	20.09	20.15	
20	HQAM	50	50	20.09	20.08	20.15	
20	HQAM	100	0	20.05	20.02	20.10	20.2
20	HQAM	1	0	19.26	19.21	19.16	
20	HQAM	1	49	19.19	19.03	19.04	
20	HQAM	1	99	19.08	19.03	19.11	20.2
20	HQAM	50	0	19.18	19.06	19.02	
20	HQAM	50	24	19.25	19.06	19.08	
20	HQAM	50	50	19.08	18.87	18.98	20.2
20	HQAM	100	0	19.18	18.97	19.05	
Channel							
Frequency (MHz)							
15	QPSK	1	0	19.04	19.01	19.01	20.2
15	QPSK	1	49	19.08	19.03	19.01	
15	QPSK	1	74	19.08	20.00	20.07	
15	QPSK	30	0	20.01	20.01	20.08	20.2
15	QPSK	30	20	20.03	20.02	20.08	
15	QPSK	30	39	20.04	20.03	20.11	
15	HQAM	1	0	20.11	20.11	20.10	20.2
15	HQAM	1	37	20.15	20.11	20.10	
15	HQAM	1	74	20.17	20.14	20.10	
15	HQAM	30	0	20.01	20.00	20.05	20.2
15	HQAM	30	20	20.03	20.02	20.04	
15	HQAM	30	39	20.02	20.05	20.10	
15	HQAM	75	0	20.01	20.01	20.07	20.2
15	HQAM	1	0	20.15	20.07	20.11	
15	HQAM	1	74	20.11	20.13	20.15	
15	HQAM	1	74	20.15	20.17	20.10	20.2
15	HQAM	30	0	19.09	19.09	20.06	
15	HQAM	30	20	20.02	20.01	20.05	
15	HQAM	30	39	20.03	20.05	20.09	20.2
15	HQAM	75	0	20.01	19.98	20.07	
15	HQAM	75	0	19.23	19.19	19.24	
15	HQAM	1	37	19.18	19.00	19.07	20.2
15	HQAM	1	74	19.25	19.06	19.11	
15	HQAM	30	0	19.17	19.03	19.09	
15	HQAM	30	20	19.21	18.97	19.08	20.2
15	HQAM	30	39	19.04	18.85	19.02	
15	HQAM	75	0	19.16	19.07	19.02	
Channel							
Frequency (MHz)							
10	QPSK	1	0	19.89	19.82	20.00	20.2
10	QPSK	1	25	19.97	19.80	19.93	
10	QPSK	1	49	19.91	19.98	20.03	
10	QPSK	25	0	20.00	19.93	19.98	20.2
10	QPSK	25	12	19.95	19.92	19.99	
10	QPSK	25	25	19.94	19.99	20.06	
10	HQAM	1	0	19.98	19.98	20.11	20.2
10	HQAM	1	25	20.11	20.14	20.14	
10	HQAM	1	49	20.13	20.10	20.15	
10	HQAM	1	49	20.15	20.11	20.12	20.2
10	HQAM	25	0	19.92	19.93	20.05	
10	HQAM	25	12	19.98	19.98	20.01	
10	HQAM	1	0	20.09	20.07	20.15	20.2
10	HQAM	1	25	20.03	20.10	20.06	
10	HQAM	1	49	20.16	20.10	20.15	
10	HQAM	25	0	19.99	19.98	19.97	20.2
10	HQAM	25	12	19.96	19.96	19.99	
10	HQAM	25	25	20.00	19.98	20.03	
10	HQAM	50	0	20.01	19.91	19.99	20.2
10	HQAM	1	0	19.22	19.10	19.21	
10	HQAM	1	25	19.09	19.00	19.04	
10	HQAM	1	49	19.08	18.99	19.08	20.2
10	HQAM	25	0	19.05	18.96	19.06	
10	HQAM	25	12	19.13	18.95	19.09	
10	HQAM	25	25	19.00	18.85	18.94	20.2
10	HQAM	50	0	19.19	18.99	19.00	
Channel							
Frequency (MHz)							
5	QPSK	1	0	19.03	19.82	20.00	20.2
5	QPSK	1	12	19.97	19.80	19.93	
5	QPSK	1	24	19.91	19.98	20.03	
5	QPSK	12	0	20.00	19.93	19.98	20.2
5	QPSK	12	6	19.95	19.92	19.99	
5	QPSK	12	12	19.94	19.99	20.06	
5	HQAM	1	0	19.98	19.98	20.11	20.2
5	HQAM	1	12	20.11	20.14	20.13	
5	HQAM	1	24	20.13	20.09	20.15	
5	HQAM	1	24	20.10	20.03	20.10	20.2
5	HQAM	12	0	19.92	19.93	20.05	
5	HQAM	12	6	19.96	19.96	20.01	
5	HQAM	12	12	19.98	20.01	20.07	20.2
5	HQAM	25	0	19.99	19.97	20.04	
5	HQAM	1	0	20.08	20.07	20.15	
5	HQAM	1	12	20.03	20.19	20.06	20.2
5	HQAM	11	24	20.18	20.11	20.12	
5	HQAM	12	0	19.99	19.98	19.97	
5	HQAM	12	6	19.96	19.96	19.99	20.2
5	HQAM	25	0	20.01	19.91	19.99	
5	HQAM	1	0	19.22	19.10	19.21	
5	HQAM	1	12	19.05	18.90	19.04	20.2
5	HQAM	1	24	19.05	18.99	19.08	
5	HQAM	12	0	19.09	18.98	19.06	
5	HQAM	12	6	19.13	18.95	19.09	20.2
5	HQAM	12	12	19.00	18.85	18.94	
5	HQAM	25	0	19.16	18.99	19.00	







Band 30_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Time-up limit (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0	2141			22.6
10	QPSK	1	49	2140			
10	QPSK	1	49	2140			
10	QPSK	25	12	2068			21.6
10	QPSK	25	25	2069			
10	QPSK	25	0	2069			
10	16QAM	1	0	2183			21.6
10	16QAM	1	25	2155			
10	16QAM	1	49	2151			
10	16QAM	25	0	2073			21.6
10	16QAM	25	12	2075			
10	16QAM	25	25	2072			
10	16QAM	50	0	2073			22.6
10	16QAM	1	0	2150			
10	16QAM	1	25	2141			
10	16QAM	1	49	2143			21.6
10	16QAM	25	0	2073			
10	16QAM	25	12	2074			
10	16QAM	25	25	2073			19.6
10	16QAM	50	0	2073			
10	256QAM	1	0	1883			
10	256QAM	1	25	1852			19.6
10	256QAM	1	49	1847			
10	256QAM	25	0	1855			
10	256QAM	25	12	1846			19.6
10	256QAM	25	25	1841			
10	256QAM	50	0	1855			
Channel							
Frequency (MHz)							
5	QPSK	1	0	2142	2143	2143	22.6
5	QPSK	1	49	2143	2146	2143	
5	QPSK	1	24	2141	2143	2142	
5	QPSK	12	0	2075	2072	2087	21.6
5	QPSK	12	13	2078	2074	2087	
5	QPSK	12	13	2078	2072	2087	
5	QPSK	25	0	2074	2069	2083	21.6
5	16QAM	1	0	2159	2155	2149	
5	16QAM	1	12	2159	2159	2158	
5	16QAM	1	24	2157	2153	2159	21.6
5	16QAM	12	0	2079	2078	2071	
5	16QAM	12	7	2081	2077	2073	
5	16QAM	12	13	2081	2076	2071	21.6
5	16QAM	25	0	2077	2073	2068	
5	16QAM	25	0	2077	2073	2068	
5	16QAM	1	0	2144	2146	2142	22.6
5	16QAM	1	49	2150	2147	2143	
5	16QAM	1	24	2147	2139	2133	
5	16QAM	12	0	2080	2079	2073	21.6
5	16QAM	12	7	2082	2078	2073	
5	16QAM	12	13	2081	2079	2071	
5	16QAM	25	0	2077	2073	2068	19.6
5	256QAM	1	0	1855	1840	1839	
5	256QAM	1	12	1830	1844	1843	
5	256QAM	1	24	1856	1841	1832	19.6
5	256QAM	12	7	1843	1833	1844	
5	256QAM	12	13	1835	1836	1834	
5	256QAM	25	0	1857	1847	1859	









Band 7_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (sec)
Channel							
Frequency (MHz)							
20	QPSK	1	0	20.01	19.99	20.02	21
20	QPSK	1	49	20.00	19.96	20.01	
20	QPSK	1	99	20.00	19.95	20.00	
20	QPSK	64	0	20.00	20.00	20.00	21
20	QPSK	50	24	20.10	20.03	20.17	
20	QPSK	50	50	20.09	20.02	20.13	
20	HQAM	1	0	20.12	20.15	20.19	21
20	HQAM	1	49	20.18	20.17	20.13	
20	HQAM	1	99	20.18	20.17	20.13	
20	HQAM	50	0	20.09	20.01	20.10	21
20	HQAM	50	24	20.09	20.04	20.14	
20	HQAM	50	50	20.09	20.03	20.13	
20	HQAM	100	0	20.04	19.97	20.00	21
20	HQAM	1	49	20.06	20.06	20.13	
20	HQAM	1	99	20.10	20.12	20.12	
20	HQAM	1	99	20.15	20.13	20.17	21
20	HQAM	50	0	20.10	20.04	20.12	
20	HQAM	50	24	20.11	20.09	20.15	
20	HQAM	50	50	20.09	20.08	20.15	21
20	HQAM	100	0	20.05	20.02	20.10	
20	HQAM	1	0	19.26	19.21	19.16	
20	HQAM	1	49	19.19	19.03	19.04	20
20	HQAM	1	99	19.08	19.03	19.11	
20	HQAM	50	0	19.18	19.06	19.02	
20	HQAM	50	24	19.05	18.96	19.00	20
20	HQAM	50	50	19.08	18.87	18.98	
20	HQAM	100	0	19.18	18.97	19.05	
Channel							
Frequency (MHz)							
15	QPSK	1	0	19.04	19.01	19.01	21
15	QPSK	1	49	19.08	19.03	19.01	
15	QPSK	1	74	19.08	20.00	20.07	
15	QPSK	30	0	20.01	20.01	20.08	21
15	QPSK	30	20	20.03	20.02	20.08	
15	QPSK	30	39	20.04	20.03	20.11	
15	QPSK	75	0	20.01	20.01	20.11	21
15	HQAM	1	0	20.11	20.11	20.10	
15	HQAM	1	37	20.15	20.11	20.10	
15	HQAM	1	74	20.17	20.14	20.10	21
15	HQAM	30	0	20.01	20.00	20.05	
15	HQAM	30	20	20.03	20.02	20.04	
15	HQAM	30	39	20.02	20.05	20.10	21
15	HQAM	75	0	20.01	20.01	20.07	
15	HQAM	1	0	20.15	20.07	20.11	
15	HQAM	1	74	20.11	20.13	20.15	21
15	HQAM	1	74	20.15	20.17	20.10	
15	HQAM	30	0	19.09	19.09	20.06	
15	HQAM	30	20	20.02	20.01	20.05	21
15	HQAM	30	39	20.03	20.05	20.09	
15	HQAM	75	0	20.01	19.98	20.07	
15	HQAM	75	0	19.23	19.19	19.24	20
15	HQAM	1	37	19.18	19.00	19.07	
15	HQAM	1	74	19.06	19.11	19.11	
15	HQAM	30	20	19.21	19.07	19.08	20
15	HQAM	30	39	19.04	18.85	19.02	
15	HQAM	75	0	19.16	19.07	19.02	
Channel							
Frequency (MHz)							
10	QPSK	1	0	19.89	19.82	20.00	21
10	QPSK	1	25	19.97	19.80	19.93	
10	QPSK	1	49	19.91	19.98	20.03	
10	QPSK	25	0	20.00	19.93	19.98	21
10	QPSK	25	12	19.95	19.92	19.99	
10	QPSK	25	25	19.94	19.99	20.06	
10	QPSK	50	0	19.96	19.98	20.11	21
10	HQAM	1	0	20.11	20.14	20.14	
10	HQAM	1	25	20.13	20.10	20.15	
10	HQAM	1	49	20.15	20.11	20.12	21
10	HQAM	25	0	19.92	19.93	20.05	
10	HQAM	25	12	19.98	19.98	20.01	
10	HQAM	25	25	19.98	20.01	20.07	21
10	HQAM	50	0	19.99	19.97	20.15	
10	HQAM	1	25	20.03	20.10	20.06	
10	HQAM	1	49	20.16	20.10	20.15	21
10	HQAM	25	0	19.99	19.98	19.97	
10	HQAM	25	12	19.96	19.96	19.99	
10	HQAM	25	25	20.00	19.98	20.03	21
10	HQAM	50	0	20.01	19.91	19.99	
10	HQAM	1	0	19.22	19.10	19.21	
10	HQAM	1	25	19.09	19.00	19.04	20
10	HQAM	1	49	19.08	18.99	19.08	
10	HQAM	25	0	19.05	18.96	19.06	
10	HQAM	25	12	19.13	18.95	19.09	20
10	HQAM	25	25	19.00	18.85	18.94	
10	HQAM	50	0	19.19	18.99	19.00	
Channel							
Frequency (MHz)							
5	QPSK	1	0	19.03	19.82	20.00	21
5	QPSK	1	12	19.97	19.80	19.93	
5	QPSK	1	24	19.91	19.98	20.03	
5	QPSK	15	0	20.00	19.93	19.98	21
5	QPSK	12	7	19.95	19.92	19.99	
5	QPSK	12	15	19.94	19.99	20.06	
5	QPSK	25	0	19.96	19.98	20.11	21
5	HQAM	1	0	20.11	20.14	20.13	
5	HQAM	1	12	20.13	20.09	20.13	
5	HQAM	1	24	20.10	20.03	20.10	21
5	HQAM	15	0	19.92	19.93	20.05	
5	HQAM	15	7	19.96	19.96	20.01	
5	HQAM	15	15	19.98	20.01	20.07	21
5	HQAM	25	0	19.99	19.97	20.04	
5	HQAM	1	12	20.08	20.07	20.15	
5	HQAM	1	12	20.03	20.19	20.06	21
5	HQAM	11	24	20.16	20.11	20.12	
5	HQAM	15	0	20.00	19.98	20.03	
5	HQAM	15	7	19.99	19.98	19.97	21
5	HQAM	12	7	19.96	19.96	19.99	
5	HQAM	15	15	20.00	19.98	20.03	
5	HQAM	25	0	20.01	19.91	19.99	20
5	HQAM	1	0	19.22	19.10	19.21	
5	HQAM	1	12	19.05	18.90	19.04	
5	HQAM	1	24	19.05	18.99	19.08	20
5	HQAM	12	0	19.09	18.98	19.06	
5	HQAM	15	0	19.13	18.95	19.09	
5	HQAM	12	13	19.00	18.85	18.94	20
5	HQAM	25	0	19.16	18.99	19.00	





Band 30_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0	2141			23.4
10	QPSK	1	49	2140			
10	QPSK	1	49	2140			
10	QPSK	25	12	2068			21.6
10	QPSK	25	25	2069			
10	QPSK	25	0	2069			
10	16QAM	1	0	2183			21.6
10	16QAM	1	25	2185			
10	16QAM	1	49	2181			
10	16QAM	25	0	2073			21.6
10	16QAM	25	12	2075			
10	16QAM	25	25	2072			
10	16QAM	50	0	2073			22.6
10	16QAM	1	0	2150			
10	16QAM	1	25	2141			
10	16QAM	1	49	2143			21.6
10	16QAM	25	0	2073			
10	16QAM	25	12	2074			
10	16QAM	25	25	2073			19.6
10	16QAM	50	0	2073			
10	256QAM	1	0	1883			
10	256QAM	1	25	1882			19.6
10	256QAM	1	49	1847			
10	256QAM	25	0	1855			
10	256QAM	25	12	1846			19.6
10	256QAM	25	25	1841			
10	256QAM	50	0	1855			
Channel							
Frequency (MHz)							
5	QPSK	1	0	2142	2143	2143	23.4
5	QPSK	1	49	2143	2146	2143	
5	QPSK	1	24	2141	2143	2142	
5	QPSK	12	0	2075	2072	2087	21.6
5	QPSK	12	12	2078	2074	2087	
5	QPSK	12	12	2078	2072	2087	
5	QPSK	25	0	2074	2069	2083	21.6
5	16QAM	1	0	2159	2155	2149	
5	16QAM	1	12	2159	2159	2158	
5	16QAM	1	24	2157	2153	2159	21.6
5	16QAM	12	0	2079	2078	2071	
5	16QAM	12	7	2081	2077	2073	
5	16QAM	12	13	2084	2079	2071	21.6
5	16QAM	25	0	2077	2073	2068	
5	16QAM	1	0	2144	2146	2142	
5	16QAM	1	49	2150	2147	2143	22.6
5	16QAM	1	24	2147	2139	2133	
5	16QAM	12	0	2080	2079	2073	
5	16QAM	12	7	2082	2078	2073	21.6
5	16QAM	12	13	2081	2079	2071	
5	16QAM	25	0	2077	2073	2068	
5	256QAM	1	12	1830	1844	1843	19.6
5	256QAM	1	24	1856	1840	1839	
5	256QAM	1	12	1843	1833	1844	
5	256QAM	12	7	1843	1833	1844	19.6
5	256QAM	12	13	1835	1836	1834	
5	256QAM	25	0	1857	1847	1859	





Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Channel, Power Low Ch./Freq, Power Mid Ch./Freq, Power High Ch./Freq, Time-up limit. It lists various channel configurations for Band 66\_Ant 2 across different frequency ranges (e.g., 1750-1775 MHz, 1775-1800 MHz, etc.).







Band 7_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (sec)
Channel							
Frequency (MHz)							
20	QPSK	1	0	20.01	19.99	20.02	21
20	QPSK	1	49	20.00	19.96	20.01	
20	QPSK	1	99	20.00	19.95	20.00	
20	QPSK	60	0	20.00	20.00	20.00	21
20	QPSK	50	24	20.10	20.03	20.17	
20	QPSK	50	50	20.09	20.02	20.13	
20	HQAM	1	0	20.12	20.15	20.19	21
20	HQAM	1	49	20.18	20.17	20.13	
20	HQAM	1	99	20.18	20.17	20.13	
20	HQAM	50	0	20.09	20.01	20.10	21
20	HQAM	50	24	20.09	20.04	20.14	
20	HQAM	50	50	20.09	20.03	20.13	
20	HQAM	100	0	20.04	19.97	20.00	21
20	HQAM	1	49	20.06	20.06	20.13	
20	HQAM	1	99	20.10	20.12	20.12	
20	HQAM	1	99	20.15	20.13	20.17	21
20	HQAM	50	0	20.10	20.04	20.12	
20	HQAM	50	24	20.11	20.09	20.15	
20	HQAM	50	50	20.09	20.08	20.15	21
20	HQAM	100	0	20.05	20.02	20.10	
20	HQAM	1	0	19.26	19.21	19.16	
20	HQAM	1	49	19.19	19.03	19.04	20
20	HQAM	1	99	19.08	19.03	19.11	
20	HQAM	50	0	19.18	19.06	19.02	
20	HQAM	50	24	19.05	18.96	19.00	20
20	HQAM	50	50	19.08	18.97	18.98	
20	HQAM	100	0	19.18	18.97	19.05	
Channel							
Frequency (MHz)							
15	QPSK	1	0	19.04	19.01	19.01	21
15	QPSK	1	49	19.08	19.03	19.01	
15	QPSK	1	74	19.08	20.00	20.07	
15	QPSK	30	0	20.01	20.01	20.08	21
15	QPSK	30	20	20.03	20.02	20.08	
15	QPSK	30	39	20.04	20.03	20.11	
15	QPSK	75	0	20.01	20.01	20.11	21
15	HQAM	1	0	20.11	20.11	20.10	
15	HQAM	1	37	20.15	20.11	20.10	
15	HQAM	1	74	20.17	20.14	20.10	21
15	HQAM	30	0	20.01	20.00	20.05	
15	HQAM	30	20	20.03	20.02	20.04	
15	HQAM	30	39	20.02	20.05	20.10	21
15	HQAM	75	0	20.01	20.01	20.07	
15	HQAM	1	0	20.15	20.07	20.11	
15	HQAM	1	74	20.11	20.13	20.15	21
15	HQAM	1	74	20.15	20.17	20.10	
15	HQAM	30	0	19.09	19.09	20.06	
15	HQAM	30	20	20.02	20.01	20.05	21
15	HQAM	30	39	20.03	20.05	20.09	
15	HQAM	75	0	20.01	19.98	20.07	
15	HQAM	75	0	19.23	19.19	19.24	20
15	HQAM	1	37	19.18	19.00	19.07	
15	HQAM	1	74	19.06	19.11	19.11	
15	HQAM	30	20	19.21	19.07	19.08	20
15	HQAM	30	39	19.04	18.85	19.02	
15	HQAM	75	0	19.16	19.07	19.02	
Channel							
Frequency (MHz)							
10	QPSK	1	0	19.89	19.82	20.00	21
10	QPSK	1	25	19.97	19.80	19.93	
10	QPSK	1	49	19.91	19.98	20.03	
10	QPSK	25	0	20.00	19.93	19.98	21
10	QPSK	25	12	19.95	19.92	19.99	
10	QPSK	25	25	19.94	19.99	20.06	
10	QPSK	50	0	19.96	19.98	20.11	21
10	HQAM	1	0	20.11	20.14	20.14	
10	HQAM	1	25	20.13	20.10	20.15	
10	HQAM	1	49	20.15	20.11	20.12	21
10	HQAM	25	0	19.92	19.93	20.05	
10	HQAM	25	12	19.98	19.98	20.01	
10	HQAM	25	25	19.98	20.01	20.07	21
10	HQAM	50	0	19.99	19.97	20.15	
10	HQAM	1	25	20.03	20.10	20.06	
10	HQAM	1	49	20.16	20.10	20.15	21
10	HQAM	25	0	19.99	19.98	19.97	
10	HQAM	25	12	19.96	19.96	19.99	
10	HQAM	25	25	20.00	19.98	20.03	21
10	HQAM	50	0	20.01	19.91	19.99	
10	HQAM	1	0	19.22	19.10	19.21	
10	HQAM	1	25	19.09	18.99	19.08	20
10	HQAM	25	0	19.05	18.96	19.06	
10	HQAM	25	12	19.13	18.95	19.09	
10	HQAM	25	25	19.00	18.85	18.94	20
10	HQAM	50	0	19.19	18.99	19.00	
Channel							
Frequency (MHz)							
5	QPSK	1	0	19.03	19.82	20.00	21
5	QPSK	1	12	19.97	19.80	19.93	
5	QPSK	1	24	19.91	19.98	20.03	
5	QPSK	12	0	20.00	19.93	19.98	21
5	QPSK	12	6	19.95	19.92	19.99	
5	QPSK	12	12	19.94	19.99	20.06	
5	QPSK	24	0	19.96	19.98	20.11	21
5	HQAM	1	0	20.11	20.14	20.13	
5	HQAM	1	12	20.13	20.09	20.13	
5	HQAM	1	24	20.10	20.03	20.10	21
5	HQAM	12	0	19.92	19.93	20.05	
5	HQAM	12	12	19.96	19.96	20.01	
5	HQAM	12	12	19.98	20.01	20.07	21
5	HQAM	24	0	19.99	19.97	20.04	
5	HQAM	12	0	20.08	20.07	20.15	
5	HQAM	1	12	20.03	20.19	20.06	21
5	HQAM	11	24	20.16	20.11	20.12	
5	HQAM	12	0	20.00	19.98	20.03	
5	HQAM	12	12	19.99	19.98	19.97	21
5	HQAM	12	24	19.96	19.96	19.99	
5	HQAM	24	0	20.01	19.91	19.99	
5	HQAM	1	0	19.22	19.10	19.21	20
5	HQAM	12	0	19.05	18.96	19.04	
5	HQAM	1	24	19.05	18.99	19.08	
5	HQAM	12	0	19.09	18.98	19.06	20
5	HQAM	12	12	19.13	18.95	19.09	
5	HQAM	12	12	19.00	18.85	18.94	
5	HQAM	24	0	19.16	18.99	19.00	20





Band 30_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0	2141			22.6
10	QPSK	1	49	2140			
10	QPSK	1	49	2140			
10	QPSK	25	12	2068			21.6
10	QPSK	25	25	2069			
10	QPSK	25	0	2069			
10	16QAM	1	0	2183			21.6
10	16QAM	1	25	2185			
10	16QAM	1	49	2181			
10	16QAM	25	0	2073			21.6
10	16QAM	25	12	2075			
10	16QAM	25	25	2072			
10	16QAM	50	0	2073			22.6
10	16QAM	1	0	2150			
10	16QAM	1	25	2141			
10	16QAM	1	49	2143			21.6
10	16QAM	25	0	2073			
10	16QAM	25	12	2074			
10	16QAM	25	25	2073			19.6
10	16QAM	50	0	2073			
10	256QAM	1	0	1883			
10	256QAM	1	25	1882			19.6
10	256QAM	1	49	1847			
10	256QAM	25	0	1855			
10	256QAM	25	12	1846			19.6
10	256QAM	25	25	1841			
10	256QAM	50	0	1855			
Channel							
Frequency (MHz)							
5	QPSK	1	0	2142	2143	2143	22.6
5	QPSK	1	49	2143	2146	2143	
5	QPSK	1	24	2141	2143	2142	
5	QPSK	12	0	2075	2072	2087	21.6
5	QPSK	12	13	2078	2074	2087	
5	QPSK	12	13	2078	2072	2087	
5	QPSK	25	0	2074	2069	2083	21.6
5	16QAM	1	0	2159	2155	2149	
5	16QAM	1	12	2159	2159	2158	
5	16QAM	1	24	2157	2153	2159	21.6
5	16QAM	12	0	2079	2078	2071	
5	16QAM	12	7	2081	2077	2073	
5	16QAM	12	13	2081	2076	2071	21.6
5	16QAM	25	0	2077	2073	2068	
5	16QAM	25	0	2077	2073	2068	
5	16QAM	1	0	2144	2146	2142	22.6
5	16QAM	1	49	2150	2147	2143	
5	16QAM	1	24	2147	2139	2133	
5	16QAM	12	0	2080	2079	2073	21.6
5	16QAM	12	7	2082	2078	2072	
5	16QAM	12	13	2081	2079	2071	
5	16QAM	25	0	2077	2073	2068	19.6
5	256QAM	1	0	1855	1840	1839	
5	256QAM	1	12	1830	1844	1843	
5	256QAM	1	24	1856	1841	1832	19.6
5	256QAM	12	7	1843	1833	1844	
5	256QAM	12	13	1835	1836	1834	
5	256QAM	25	0	1857	1847	1859	











Band 5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)		
Channel				2005	2005	2005			
Frequency (MHz)				830	835	844			
10	QPSK	1	0	2428	2430	2418			
10	QPSK	1	26	2427	2421	2415		25.2	
10	QPSK	1	49	2428	2421	2417			
10	QPSK	26	0	2352	2353	2337			
10	QPSK	26	12	2351	2339	2335		24.2	
10	QPSK	26	26	2351	2337	2334			
10	QPSK	50	0	2350	2352	2340			
10	HQAM	1	0	2373	2380	2381			24.2
10	HQAM	1	26	2388	2358	2355			
10	HQAM	1	49	2384	2386	2343			
10	HQAM	26	0	2252	2242	2238			
10	HQAM	26	12	2251	2239	2235			23.2
10	HQAM	26	26	2250	2240	2233			
10	HQAM	50	0	2258	2242	2242			
10	HQAM	1	0	2271	2252	2251			23.2
10	HQAM	1	26	2272	2252	2253			
10	HQAM	1	49	2268	2269	2251			
10	HQAM	26	0	2152	2145	2140			22.2
10	HQAM	26	12	2152	2143	2141			
10	HQAM	26	26	2149	2143	2138			
10	HQAM	50	0	2157	2147	2147			
10	256QAM	1	0	1984	1981	1982			20.2
10	256QAM	1	26	1951	1970	1951			
10	256QAM	1	49	1952	1958	1947			
10	256QAM	26	0	1981	1959	1985			
10	256QAM	26	12	1952	1958	1951			20.2
10	256QAM	26	26	1955	1954	1948			
10	256QAM	50	0	1981	1960	1985			
Channel				2005	2005	2005			
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	0	2426	2424	2427			
5	QPSK	1	26	2427	2427	2430			25.2
5	QPSK	1	24	2425	2416	2414			
5	QPSK	12	0	2331	2323	2328			24.2
5	QPSK	12	12	2331	2323	2328			
5	QPSK	12	24	2331	2323	2328			
5	HQAM	1	0	2352	2347	2355			24.2
5	HQAM	1	12	2351	2350	2358			
5	HQAM	1	24	2355	2352	2341			
5	HQAM	12	0	2238	2230	2235			23.2
5	HQAM	12	12	2235	2233	2231			
5	HQAM	12	24	2235	2235	2232			
5	HQAM	26	0	2231	2229	2227			
5	HQAM	1	0	2251	2248	2252			23.2
5	HQAM	1	24	2251	2245	2241			
5	HQAM	12	0	2140	2133	2138			22.2
5	HQAM	12	12	2139	2139	2138			
5	HQAM	12	24	2139	2139	2133			
5	HQAM	26	0	2138	2132	2131			
5	256QAM	1	0	1983	1954	1981			20.2
5	256QAM	1	12	1948	1988	1944			
5	256QAM	1	24	1947	1951	1944			
5	256QAM	12	0	1958	1955	1951			20.2
5	256QAM	12	12	1959	1948	1942			
5	256QAM	12	24	1945	1945	1948			
5	256QAM	26	0	1981	1958	1945			
Channel				2045	2062	2063			
Frequency (MHz)				836.5	836.5	846.5			
3	QPSK	1	0	2428	2427	2428			
3	QPSK	1	6	2424	2422	2418			25.2
3	QPSK	1	11	2428	2431	2415			
3	QPSK	6	0	2331	2324	2326			24.2
3	QPSK	6	4	2332	2328	2324			
3	QPSK	6	8	2332	2327	2323			
3	QPSK	16	0	2332	2325	2328			24.2
3	HQAM	1	0	2358	2352	2353			
3	HQAM	1	6	2353	2346	2342			24.2
3	HQAM	1	14	2358	2349	2344			
3	HQAM	1	4	2237	2233	2231			23.2
3	HQAM	1	8	2237	2235	2234			
3	HQAM	1	7	2240	2240	2239			
3	HQAM	16	0	2238	2234	2235			23.2
3	HQAM	1	0	2280	2258	2255			
3	HQAM	1	6	2250	2250	2247			
3	HQAM	1	14	2252	2255	2249			
3	HQAM	6	0	2137	2138	2137			22.2
3	HQAM	6	4	2137	2140	2137			
3	HQAM	6	7	2140	2142	2140			
3	HQAM	16	0	2137	2138	2139			
3	256QAM	1	0	1981	1981	1982			20.2
3	256QAM	1	14	1952	1957	1944			
3	256QAM	6	0	1983	1954	1980			
3	256QAM	6	4	1951	1953	1949			20.2
3	256QAM	6	7	1949	1946	1939			
3	256QAM	16	0	1958	1958	1949			
Channel				2087	2092	2083			
Frequency (MHz)				824.7	824.5	841.5			
1.4	QPSK	1	0	2424	2425	2422			
1.4	QPSK	1	3	2416	2421	2411			25.2
1.4	QPSK	1	5	2423	2426	2417			
1.4	QPSK	1	6	2424	2422	2420			
1.4	QPSK	3	1	2424	2423	2419			24.2
1.4	QPSK	3	7	2418	2422	2414			
1.4	QPSK	6	0	2329	2323	2320			
1.4	HQAM	1	0	2354	2350	2348			24.2
1.4	HQAM	1	5	2343	2344	2334			
1.4	HQAM	1	5	2351	2349	2341			
1.4	HQAM	3	0	2352	2338	2332			23.2
1.4	HQAM	3	1	2338	2340	2333			
1.4	HQAM	3	1	2334	2338	2330			
1.4	HQAM	6	0	2227	2231	2232			23.2
1.4	HQAM	1	0	2241	2244	2242			
1.4	HQAM	1	3	2241	2246	2241			
1.4	HQAM	1	6	2249	2233	2248			23.2
1.4	HQAM	1	6	2236	2243	2238			
1.4	HQAM	3	1	2233	2239	2238			
1.4	HQAM	6	0	2233	2240	2238			22.2
1.4	HQAM	6	0	2129	2135	2127			
1.4	256QAM	1	0	1954	1955	1953			20.2
1.4	256QAM	1	1	1945	1952	1941			
1.4	256QAM	1	5	1944	1953	1939			
1.4	256QAM	3	0	1958	1958	1985			
1.4	256QAM	3	1	1959	1948	1950			
1.4	256QAM	3	1	1947	1946	1945			20.2
1.4	256QAM	6	0	1959	1952	1949			



Band 7_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Turn-up (dBm)			
				Low Ch. Freq	Mid Ch. Freq	High Ch. Freq				
Channel				2590	2635	2660				
Frequency (MHz)				2590	2635	2660				
20	QPSK	1	0	2374	2376	2378	25.2			
20	QPSK	1	49	2370	2372	2374				
20	QPSK	1	99	2370	2363	2375				
20	QPSK	60	0	2284	2285	2283	24.2			
20	QPSK	50	24	2281	2280	2282				
20	QPSK	50	50	2283	2282	2282				
20	QPSK	100	0	2282	2283	2282	24.2			
20	HQAM	1	0	2289	2289	2281				
20	HQAM	1	49	2282	2290	2290	24.2			
20	HQAM	1	99	2283	2283	2292				
20	HQAM	50	0	2181	2180	2184	23.2			
20	HQAM	50	24	2185	2185	2186				
20	HQAM	50	50	2183	2184	2190	23.2			
20	HQAM	100	0	2182	2182	2185				
20	HQAM	1	0	2176	2181	2183	23.2			
20	HQAM	1	49	2182	2187	2177				
20	HQAM	1	99	2188	2187	2178	22.2			
20	HQAM	60	0	2087	2087	2088				
20	HQAM	50	24	2089	2087	2083	20.2			
20	HQAM	50	50	2089	2088	2094				
20	HQAM	100	0	2088	2088	2090	20.2			
20	SSBQAM	1	0	1938	1938	1938				
20	SSBQAM	1	49	1938	1923	1921	20.2			
20	SSBQAM	1	99	1937	1937	1936				
20	SSBQAM	50	0	1923	1918	1917	20.2			
20	SSBQAM	50	24	1922	1915	1913				
20	SSBQAM	50	50	1920	1920	1920	20.2			
20	SSBQAM	100	0	1922	1918	1928				
Channel				2507.5	2510	2513	Turn-up (dBm)			
Frequency (MHz)				2507.5	2505	2502.5				
15	QPSK	1	0	2375	2373	2385	25.2			
15	QPSK	1	49	2387	2388	2379				
15	QPSK	1	74	2375	2370	2381	24.2			
15	QPSK	30	0	2285	2283	2293				
15	QPSK	30	20	2288	2284	2295	24.2			
15	QPSK	30	39	2288	2287	2286				
15	QPSK	75	0	2291	2286	2297	24.2			
15	HQAM	1	0	2290	2294	2304				
15	HQAM	1	39	2292	2299	2303	24.2			
15	HQAM	1	74	2289	2290	2302				
15	HQAM	30	0	2182	2186	2192	23.2			
15	HQAM	30	20	2183	2187	2197				
15	HQAM	30	39	2184	2187	2191	23.2			
15	HQAM	75	0	2188	2187	2194				
15	HQAM	1	0	2182	2189	2192	23.2			
15	HQAM	1	49	2187	2183	2190				
15	HQAM	1	74	2185	2184	2188	22.2			
15	HQAM	30	0	2088	2091	2096				
15	HQAM	30	20	2088	2092	2100	20.2			
15	HQAM	30	39	2089	2093	2101				
15	HQAM	75	0	2091	2090	2098	20.2			
15	SSBQAM	1	0	1935	1938	1938				
15	SSBQAM	1	39	1925	1914	1914	20.2			
15	SSBQAM	1	74	1911	1908	1912				
15	SSBQAM	30	0	1922	1918	1907	20.2			
15	SSBQAM	30	20	1914	1912	1908				
15	SSBQAM	30	39	1913	1907	1904	20.2			
15	SSBQAM	75	0	1917	1909	1908				
Channel				2090	2100	2100	Turn-up (dBm)			
Frequency (MHz)				2090	2095	2092				
10	QPSK	1	0	2378	2376	2389	25.2			
10	QPSK	1	25	2385	2386	2379				
10	QPSK	1	49	2375	2374	2383	24.2			
10	QPSK	25	0	2284	2286	2291				
10	QPSK	25	12	2284	2285	2293	24.2			
10	QPSK	25	25	2287	2289	2296				
10	QPSK	50	0	2287	2291	2286	24.2			
10	HQAM	1	0	2292	2303	2308				
10	HQAM	1	25	2278	2296	2300	24.2			
10	HQAM	1	49	2289	2297	2304				
10	HQAM	25	0	2184	2186	2193	23.2			
10	HQAM	25	12	2189	2188	2195				
10	HQAM	25	25	2186	2192	2197	23.2			
10	HQAM	50	0	2191	2194	2200				
10	HQAM	1	0	2188	2197	2193	22.2			
10	HQAM	1	25	2182	2192	2192				
10	HQAM	1	49	2188	2194	2193	22.2			
10	HQAM	25	12	2088	2091	2096				
10	HQAM	25	12	2087	2091	2096	22.2			
10	HQAM	25	25	2089	2092	2101				
10	HQAM	50	0	2094	2098	2105	20.2			
10	SSBQAM	1	0	1927	1934	1935				
10	SSBQAM	1	25	1915	1917	1914	20.2			
10	SSBQAM	1	49	1910	1912	1915				
10	SSBQAM	25	0	1918	1916	1915	20.2			
10	SSBQAM	25	12	1920	1908	1909				
10	SSBQAM	25	25	1916	1906	1908	20.2			
10	SSBQAM	50	0	1920	1912	1904				
Channel				2077.5	2100	2105	Turn-up (dBm)			
Frequency (MHz)				2077.5	2095	2097.5				
5	QPSK	1	0	2374	2373	2387	25.2			
5	QPSK	1	12	2374	2376	2390				
5	QPSK	1	24	2373	2372	2381	24.2			
5	QPSK	15	0	2282	2280	2291				
5	QPSK	12	7	2284	2283	2284	24.2			
5	QPSK	12	15	2283	2281	2292				
5	QPSK	24	0	2285	2283	2291	24.2			
5	HQAM	1	0	2287	2297	2302				
5	HQAM	1	12	2284	2297	2306	24.2			
5	HQAM	1	24	2287	2292	2292				
5	HQAM	12	0	2183	2186	2196	23.2			
5	HQAM	12	13	2186	2187	2197				
5	HQAM	12	13	2188	2188	2196	23.2			
5	HQAM	25	0	2186	2186	2194				
5	HQAM	1	0	2188	2189	2190	22.2			
5	HQAM	1	12	2182	2183	2187				
5	HQAM	11	24	2190	2193	2189	22.2			
5	HQAM	12	0	2088	2090	2095				
5	HQAM	12	7	2089	2090	2099	20.2			
5	HQAM	12	13	2087	2088	2097				
5	HQAM	25	0	2088	2088	2095	20.2			
5	SSBQAM	1	0	1932	1932	1934				
5	SSBQAM	1	12	1916	1916	1911	20.2			
5	SSBQAM	1	24	1911	1909	1914				
5	SSBQAM	12	0	1919	1913	1913	20.2			
5	SSBQAM	12	13	1917	1909	1907				
5	SSBQAM	12	13	1916	1924	1925	20.2			
5	SSBQAM	25	0	1920	1908	1902				



Band 12_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Time-up (min)		
Channel									
Frequency (MHz)									
701.5 707.5 711.5									
10	QPSK	1	0	23.88	23.88	23.88	25.2		
10	QPSK	1	26	23.79	23.83	23.85			
10	QPSK	1	49	23.85	23.84	23.85	24.2		
10	QPSK	25	12	22.92	22.99	22.99			
10	QPSK	25	25	22.93	22.99	22.99	24.2		
10	QPSK	25	0	22.94	22.92	22.91			
10	HQAM	1	0	23.16	23.25	23.19	23.2		
10	HQAM	1	26	23.18	23.22	23.15			
10	HQAM	1	49	23.23	23.23	23.18	23.2		
10	HQAM	25	0	21.94	22.01	21.91			
10	HQAM	25	0	21.95	22.00	21.97	23.2		
10	HQAM	25	25	21.97	22.02	22.00			
10	HQAM	50	0	21.97	22.02	21.98	23.2		
10	HQAM	50	0	22.04	22.05	22.03			
10	HQAM	1	26	22.20	22.22	22.09	22.2		
10	HQAM	1	49	22.23	22.18	22.17			
10	HQAM	25	0	22.07	21.93	22.05	22.2		
10	HQAM	25	12	21.81	21.84	20.87			
10	HQAM	25	25	21.82	21.86	21.82	20.2		
10	HQAM	50	0	21.80	21.88	21.83			
10	HQAM	1	0	19.33	19.25	19.34	20.2		
10	HQAM	1	26	19.19	19.25	19.27			
10	HQAM	1	49	19.18	19.07	19.15	20.2		
10	HQAM	25	0	19.45	19.46	19.43			
10	HQAM	25	12	19.34	19.37	19.36	20.2		
10	HQAM	25	25	19.34	19.35	19.37			
10	HQAM	50	0	19.34	19.38	19.32	20.2		
10	HQAM	50	0	20.18	20.08	20.15			
Channel									
Frequency (MHz)									
701.5 707.5 711.5									
5	QPSK	1	0	23.79	23.86	23.82	25.2		
5	QPSK	1	26	23.84	23.85	23.84			
5	QPSK	1	24	23.83	23.85	23.82	24.2		
5	QPSK	12	0	22.88	22.93	22.88			
5	QPSK	12	0	22.89	22.96	22.92	24.2		
5	QPSK	12	12	22.89	22.96	22.95			
5	QPSK	25	0	22.84	22.96	22.88	24.2		
5	HQAM	1	0	23.11	23.22	23.15			
5	HQAM	1	12	23.23	23.30	23.28	23.2		
5	HQAM	1	24	23.23	23.21	23.11			
5	HQAM	12	0	21.94	21.97	21.93	23.2		
5	HQAM	12	7	21.98	21.98	21.95			
5	HQAM	12	13	22.00	21.99	21.96	23.2		
5	HQAM	25	0	21.95	21.95	21.91			
5	HQAM	1	0	22.07	22.09	21.96	23.2		
5	HQAM	1	24	22.04	22.02	21.90			
5	HQAM	1	24	22.17	22.11	22.07	22.2		
5	HQAM	12	0	20.95	21.00	20.95			
5	HQAM	12	0	20.99	20.99	20.96	22.2		
5	HQAM	12	12	21.95	21.90	20.87			
5	HQAM	25	0	20.97	20.98	20.95	20.2		
5	HQAM	25	0	19.31	19.21	19.31			
5	HQAM	1	12	19.16	19.24	19.18	20.2		
5	HQAM	1	24	19.11	19.07	19.05			
5	HQAM	12	0	19.42	19.46	19.40	20.2		
5	HQAM	12	7	19.27	19.35	19.30			
5	HQAM	12	13	19.27	19.32	19.32	20.2		
5	HQAM	25	0	19.24	19.35	19.24			
Channel									
Frequency (MHz)									
701.5 707.5 711.5									
3	QPSK	1	0	23.88	23.88	23.83	25.2		
3	QPSK	1	6	23.83	23.88	23.85			
3	QPSK	1	6	23.84	23.85	23.84	24.2		
3	QPSK	8	0	22.88	22.92	22.87			
3	QPSK	8	4	22.89	22.91	22.87	24.2		
3	QPSK	8	4	22.92	22.96	22.90			
3	QPSK	16	0	22.90	22.94	22.87	24.2		
3	HQAM	1	0	23.17	23.22	23.11			
3	HQAM	1	6	23.17	23.15	23.10	23.2		
3	HQAM	1	14	23.21	23.18	23.13			
3	HQAM	8	4	21.98	21.97	21.95	23.2		
3	HQAM	8	4	22.03	22.00	22.01			
3	HQAM	8	7	22.08	22.03	22.02	23.2		
3	HQAM	16	0	21.98	21.98	21.98			
3	HQAM	1	0	22.17	22.13	22.13	23.2		
3	HQAM	1	6	22.17	22.10	22.09			
3	HQAM	8	0	21.83	21.81	20.87	22.2		
3	HQAM	8	4	21.08	21.04	21.01			
3	HQAM	8	7	21.08	21.04	21.03	22.2		
3	HQAM	16	0	21.01	21.02	20.99			
3	HQAM	1	0	19.19	19.16	19.16	20.2		
3	HQAM	1	14	19.01	18.93	18.89			
3	HQAM	8	0	19.03	19.06	19.01	20.2		
3	HQAM	8	4	19.15	19.15	19.10			
3	HQAM	8	7	19.08	19.14	19.13	20.2		
3	HQAM	16	0	19.05	19.11	19.10			
Channel									
Frequency (MHz)									
697.7 707.5 711.5									
1.4	QPSK	1	0	23.81	23.84	23.83	25.2		
1.4	QPSK	1	3	23.84	23.84	23.76			
1.4	QPSK	1	5	23.83	23.84	23.82	24.2		
1.4	QPSK	3	0	23.82	23.83	23.83			
1.4	QPSK	3	1	23.83	23.86	23.83	24.2		
1.4	QPSK	3	3	23.81	23.81	23.83			
1.4	QPSK	6	0	22.91	22.88	22.87	24.2		
1.4	HQAM	1	0	23.20	23.20	23.15			
1.4	HQAM	1	5	23.16	23.06	23.07	24.2		
1.4	HQAM	1	5	23.17	23.14	23.13			
1.4	HQAM	3	0	23.03	22.98	22.99	23.2		
1.4	HQAM	3	0	23.08	23.06	23.02			
1.4	HQAM	3	1	23.08	23.04	22.97	23.2		
1.4	HQAM	6	0	22.02	21.97	21.94			
1.4	HQAM	1	3	22.14	22.09	22.06	23.2		
1.4	HQAM	1	3	22.05	21.88	22.02			
1.4	HQAM	1	6	22.17	22.08	22.08	23.2		
1.4	HQAM	3	0	22.04	22.00	22.02			
1.4	HQAM	3	1	22.07	22.00	22.02	22.2		
1.4	HQAM	6	0	22.08	22.01	22.00			
1.4	HQAM	6	0	21.02	20.96	20.96	20.2		
1.4	HQAM	1	0	19.18	19.08	19.08			
1.4	HQAM	1	5	18.95	19.03	19.05	20.2		
1.4	HQAM	1	5	18.99	18.89	18.84			
1.4	HQAM	3	0	19.26	19.19	19.13	20.2		
1.4	HQAM	3	1	19.09	19.13	19.08			
1.4	HQAM	3	1	19.08	19.05	19.12	20.2		
1.4	HQAM	6	0	18.95	19.18	19.02			



Band 13_Ant 1						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel						
Frequency (MHz)						
10	QPSK	1	0	23.86		
10	QPSK	1	25	23.77		
10	QPSK	1	49	23.67		
10	QPSK	25	0	22.94		
10	QPSK	25	12	22.92		
10	QPSK	25	25	22.92		
10	QPSK	50	0	22.92		
10	16QAM	1	0	23.10		
10	16QAM	1	25	23.18		
10	16QAM	1	49	23.17		
10	16QAM	25	0	21.91		
10	16QAM	25	12	21.93		
10	16QAM	25	25	21.95		
10	16QAM	50	0	21.99		
10	16QAM	1	0	22.96		
10	16QAM	1	25	22.12		
10	16QAM	1	49	22.11		
10	16QAM	25	0	20.97		
10	16QAM	25	12	20.95		
10	16QAM	25	25	20.95		
10	16QAM	50	0	20.98		
10	256QAM	1	0	19.31		
10	256QAM	1	25	19.33		
10	256QAM	1	49	19.23		
10	256QAM	25	0	19.32		
10	256QAM	25	12	19.36		
10	256QAM	25	25	19.24		
10	256QAM	50	0	19.29		
Channel						
Frequency (MHz)						
5	QPSK	1	0	23.81	23.83	23.82
5	QPSK	1	25	23.87	23.82	23.82
5	QPSK	1	24	23.81	23.77	23.80
5	QPSK	12	0	22.91	22.85	22.84
5	QPSK	12	12	22.92	22.87	22.89
5	QPSK	12	13	22.81	22.84	22.88
5	QPSK	25	0	22.90	22.82	22.82
5	16QAM	1	0	23.08	23.07	23.12
5	16QAM	1	12	23.15	23.20	23.21
5	16QAM	1	24	23.19	23.17	23.14
5	16QAM	12	0	21.92	21.94	21.98
5	16QAM	12	7	21.95	21.94	21.97
5	16QAM	12	13	22.05	21.96	21.92
5	16QAM	25	0	21.94	21.91	21.98
5	16QAM	1	0	22.01	22.04	22.02
5	16QAM	1	25	22.06	22.07	22.09
5	16QAM	1	24	22.09	22.09	22.01
5	16QAM	12	0	20.94	20.95	20.96
5	16QAM	12	7	20.95	20.98	20.95
5	16QAM	12	13	20.98	20.98	20.94
5	16QAM	25	0	20.92	20.92	20.98
5	256QAM	1	0	19.15	19.24	19.15
5	256QAM	1	12	19.21	19.23	19.19
5	256QAM	1	24	19.07	19.16	19.09
5	256QAM	12	0	19.23	19.11	19.24
5	256QAM	12	7	19.19	19.20	19.11
5	256QAM	12	13	19.25	19.23	19.16
5	256QAM	25	0	19.20	19.20	19.16



Band 14_Ant 1						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel						
Frequency (MHz)						
10	QPSK	1	0	23.84		
10	QPSK	1	49	23.77		
10	QPSK	1	49	23.79		
10	QPSK	25	0	22.87		
10	QPSK	25	12	22.85		
10	QPSK	25	25	22.84		
10	QPSK	50	0	22.94		
10	16QAM	1	0	23.10		
10	16QAM	1	25	23.18		
10	16QAM	1	49	23.10		
10	16QAM	25	0	21.91		
10	16QAM	25	12	21.92		
10	16QAM	25	25	21.90		
10	16QAM	50	0	21.98		
10	16QAM	1	0	22.04		
10	16QAM	1	25	22.09		
10	16QAM	1	49	22.04		
10	16QAM	25	0	20.97		
10	16QAM	25	12	20.95		
10	16QAM	25	25	20.96		
10	16QAM	50	0	21.02		
10	256QAM	1	0	19.12		
10	256QAM	1	25	19.22		
10	256QAM	1	49	19.13		
10	256QAM	25	0	19.22		
10	256QAM	25	12	19.26		
10	256QAM	25	25	19.11		
10	256QAM	50	0	19.19		
Channel						
Frequency (MHz)						
5	QPSK	1	0	23.78	23.83	23.83
5	QPSK	1	49	23.76	23.83	23.81
5	QPSK	1	24	23.71	23.80	23.79
5	QPSK	12	0	22.79	22.88	22.88
5	QPSK	12	13	22.82	22.90	22.88
5	QPSK	12	13	22.80	22.86	22.86
5	QPSK	25	0	22.77	22.86	22.85
5	16QAM	1	0	21.00	21.13	21.19
5	16QAM	1	12	23.15	23.23	23.21
5	16QAM	1	24	23.15	23.17	23.11
5	16QAM	12	0	21.88	21.93	21.96
5	16QAM	12	7	21.93	21.94	21.96
5	16QAM	12	13	21.93	21.92	21.95
5	16QAM	25	0	21.84	21.89	21.90
5	16QAM	1	0	21.93	22.02	22.02
5	16QAM	1	49	21.85	21.96	21.96
5	16QAM	1	24	22.07	21.98	21.98
5	16QAM	12	0	20.91	20.94	20.97
5	16QAM	12	7	20.94	20.94	20.98
5	16QAM	12	13	20.97	20.94	20.97
5	16QAM	25	0	20.88	20.93	20.96
5	256QAM	1	0	19.09	19.07	19.05
5	256QAM	1	12	19.13	19.15	19.19
5	256QAM	1	24	19.11	19.11	19.12
5	256QAM	12	7	19.18	19.12	19.11
5	256QAM	12	13	19.06	19.02	19.05
5	256QAM	25	0	19.17	19.11	19.18



Band 17_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)	
Channel				709	710	711		
Frequency (MHz)								
10	QPSK	1	0	23.84	23.86	23.88	25.2	
10	QPSK	1	25	23.85	23.85	23.78		
10	QPSK	1	49	23.93	23.92	23.91		
10	QPSK	25	0	22.06	22.01	22.00	24.2	
10	QPSK	25	12	22.97	22.98	22.95		
10	QPSK	25	25	22.98	22.98	22.97		
10	QPSK	50	0	22.00	22.00	22.98	24.2	
10	HQAM	1	0	23.22	23.30	23.25		
10	HQAM	1	25	23.18	23.24	23.22		
10	HQAM	1	49	23.28	23.28	23.24	23.2	
10	HQAM	25	0	21.07	21.98	21.95		
10	HQAM	25	12	22.05	21.98	21.95		
10	HQAM	25	25	22.02	22.05	21.97	23.2	
10	HQAM	50	0	22.08	22.08	21.99		
10	HQAM	1	0	22.16	22.06	22.00		
10	HQAM	1	25	22.14	22.08	22.09	22.2	
10	HQAM	1	49	22.20	22.18	22.15		
10	HQAM	25	0	21.00	21.00	20.98		
10	HQAM	25	12	21.00	21.02	20.88	22.2	
10	HQAM	25	25	21.03	21.05	21.02		
10	HQAM	50	0	21.11	21.07	21.03		
10	256QAM	1	0	19.25	19.18	19.27	20.2	
10	256QAM	1	25	19.19	19.18	19.21		
10	256QAM	1	49	19.00	19.07	19.10		
10	256QAM	25	0	19.39	19.39	19.36	20.2	
10	256QAM	25	12	19.32	19.29	19.31		
10	256QAM	25	25	19.24	19.28	19.30		
10	256QAM	50	0	19.32	19.32	19.30	Time-up (min)	
Channel				709.5	710	711.5		
Frequency (MHz)								
5	QPSK	1	0	23.87	23.93	23.83	25.2	
5	QPSK	1	25	23.93	23.93	23.88		
5	QPSK	1	24	23.89	23.92	23.80		
5	QPSK	12	0	22.92	22.97	22.87	24.2	
5	QPSK	12	12	22.95	23.00	22.89		
5	QPSK	12	13	22.84	22.89	22.88		
5	QPSK	25	0	22.95	22.96	22.85	24.2	
5	HQAM	1	0	23.16	23.25	23.11		
5	HQAM	1	12	23.24	23.31	23.20		
5	HQAM	1	24	23.21	23.30	23.19	23.2	
5	HQAM	12	7	21.98	22.05	21.97		
5	HQAM	12	13	22.05	22.07	21.96		
5	HQAM	25	0	21.98	22.03	21.90	23.2	
5	HQAM	1	0	22.10	22.18	22.08		
5	HQAM	1	24	22.05	22.18	22.08		
5	HQAM	12	0	20.97	21.05	20.96	22.2	
5	HQAM	12	13	20.97	21.03	20.97		
5	HQAM	12	13	20.97	21.04	20.95		
5	HQAM	25	0	20.98	21.01	20.94	20.2	
5	256QAM	1	0	19.24	19.21	19.21		
5	256QAM	1	12	19.11	19.09	19.14		
5	256QAM	1	24	19.04	19.06	19.12	20.2	
5	256QAM	12	7	19.28	19.23	19.24		
5	256QAM	12	13	19.20	19.19	19.20		
5	256QAM	25	0	19.32	19.27	19.29		







Band 26_Ant 1										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low	Power High	Power Middle	Power Low	Power High	Power Middle	Time-up limit (min)
Channel				Ch. Freq	Ch. Freq	Ch. Freq	Ch. Freq	Ch. Freq	Ch. Freq	
Frequency (MHz)				831.5	831.5	831.5	831.5	831.5	831.5	
15	QPSK	1	0	2442	2446	2439				25.2
15	QPSK	1	37	2437	2427	2430				
15	QPSK	1	74	2409	2438	2422				
15	QPSK	36	0	2315	2348	2345				24.2
15	QPSK	36	20	2318	2347	2343				
15	QPSK	36	36	2315	2346	2339				
15	QPSK	75	0	2315	2345	2340				
15	QPSK	1	0	2345	2386	2380				24.2
15	HQAM	1	37	2348	2373	2376				
15	HQAM	1	74	2358	2373	2353				
15	HQAM	36	0	2218	2247	2245				23.2
15	HQAM	36	20	2218	2247	2245				
15	HQAM	36	36	2218	2248	2241				
15	HQAM	75	0	2215	2248	2242				
15	HQAM	1	0	2238	2250	2250				23.2
15	HQAM	1	37	2238	2257	2258				
15	HQAM	1	74	2237	2255	2245				
15	HQAM	36	0	2118	2154	2153				22.2
15	HQAM	36	20	2119	2155	2154				
15	HQAM	36	36	2120	2154	2149				
15	HQAM	75	0	2115	2151	2146				
15	256QAM	1	0	1871	1976	1989				20.2
15	256QAM	1	37	1868	1974	1983				
15	256QAM	1	74	1864	1981	1985				
15	256QAM	36	0	1694	1979	1971				20.2
15	256QAM	36	20	1695	1978	1982				
15	256QAM	36	36	1693	1980	1948				
15	256QAM	75	0	1699	1973	1988				
Channel				831.5	831.5	831.5				Time-up limit (min)
Frequency (MHz)				831.5	831.5	831.5				
10	QPSK	1	0	2434	2445	2442				25.2
10	QPSK	1	26	2425	2427	2430				
10	QPSK	1	49	2427	2434	2434				
10	QPSK	25	0	2335	2342	2338				24.2
10	QPSK	25	25	2331	2345	2335				
10	QPSK	25	25	2330	2341	2338				
10	QPSK	50	0	2334	2345	2344				
10	HQAM	1	0	2358	2375	2375				24.2
10	HQAM	1	26	2361	2368	2372				
10	HQAM	1	49	2361	2370	2354				
10	HQAM	25	0	2235	2245	2245				23.2
10	HQAM	25	12	2234	2248	2242				
10	HQAM	25	25	2237	2247	2244				
10	HQAM	50	0	2238	2251	2250				
10	HQAM	1	0	2242	2263	2261				23.2
10	HQAM	1	26	2244	2259	2257				
10	HQAM	1	49	2248	2263	2262				
10	HQAM	25	0	2136	2148	2148				22.2
10	HQAM	25	12	2137	2148	2145				
10	HQAM	25	25	2139	2147	2143				
10	HQAM	50	0	2142	2150	2151				
10	256QAM	1	0	1863	1971	1988				20.2
10	256QAM	1	26	1861	1971	1983				
10	256QAM	1	49	1861	1972	1984				
10	256QAM	25	0	1655	1972	1971				20.2
10	256QAM	25	12	1658	1968	1980				
10	256QAM	25	25	1661	1965	1948				
10	256QAM	50	0	1658	1972	1980				
Channel				2676.5	2686.5	2702.5				Time-up limit (min)
Frequency (MHz)				2676.5	2686.5	2702.5				
5	QPSK	1	0	2430	2444	2439				25.2
5	QPSK	1	12	2438	2444	2439				
5	QPSK	1	24	2438	2440	2434				
5	QPSK	12	0	2333	2340	2341				24.2
5	QPSK	12	7	2335	2348	2342				
5	QPSK	12	14	2331	2348	2339				
5	QPSK	25	0	2329	2346	2338				24.2
5	HQAM	1	0	2368	2374	2371				
5	HQAM	1	12	2374	2379	2372				
5	HQAM	1	24	2369	2371	2354				23.2
5	HQAM	12	0	2241	2250	2248				
5	HQAM	12	13	2241	2250	2245				
5	HQAM	12	24	2234	2248	2244				23.2
5	HQAM	1	0	2245	2261	2262				
5	HQAM	1	12	2238	2252	2242				
5	HQAM	1	24	2262	2264	2258				
5	HQAM	12	0	2141	2154	2151				22.2
5	HQAM	12	7	2145	2152	2147				
5	HQAM	12	13	2145	2151	2147				
5	HQAM	25	0	2138	2151	2145				20.2
5	256QAM	1	0	1861	1968	1985				
5	256QAM	1	24	1861	1968	1945				
5	256QAM	1	24	1860	1954	1961				
5	256QAM	12	0	1658	1971	1988				20.2
5	256QAM	12	7	1654	1957	1948				
5	256QAM	12	13	1661	1957	1944				
5	256QAM	25	0	1655	1968	1983				
Channel				2676.5	2686.5	2702.5				Time-up limit (min)
Frequency (MHz)				2676.5	2686.5	2702.5				
3	QPSK	1	0	2443	2445	2441				25.2
3	QPSK	1	8	2433	2441	2432				
3	QPSK	1	14	2438	2445	2428				
3	QPSK	1	21	2441	2447	2441				24.2
3	QPSK	8	4	2341	2348	2341				
3	QPSK	8	7	2342	2350	2341				
3	QPSK	16	0	2342	2348	2340				24.2
3	HQAM	1	0	2369	2377	2372				
3	HQAM	1	8	2365	2373	2361				
3	HQAM	1	14	2369	2375	2363				23.2
3	HQAM	8	0	2241	2251	2248				
3	HQAM	8	4	2246	2256	2247				
3	HQAM	8	7	2251	2261	2255				23.2
3	HQAM	15	0	2243	2255	2252				
3	HQAM	1	0	2260	2272	2267				23.2
3	HQAM	1	8	2266	2266	2260				
3	HQAM	1	14	2261	2269	2264				
3	HQAM	8	0	2144	2156	2151				22.2
3	HQAM	8	4	2149	2157	2151				
3	HQAM	8	7	2154	2167	2153				
3	HQAM	15	0	2148	2157	2154				20.2
3	256QAM	1	0	1867	1972	1986				
3	256QAM	1	8	1865	1973	1986				20.2
3	256QAM	1	14	1962	1955	1961				
3	256QAM	8	0	1660	1978	1987				
3	256QAM	8	4	1659	1954	1950				
3	256QAM	8	7	1661	1955	1945				
3	256QAM	15	0	1664	1973	1987				
Channel				2407.9	2407.9	2403.9				Time-up limit (min)
Frequency (MHz)				2407.9	2407.9	2403.9				
1.4	QPSK	1	0	2437	2444	2435				25.2
1.4	QPSK	1	0	2433	2438	2434				
1.4	QPSK	1	0	2435	2445	2425				
1.4	QPSK	3	0	2434	2444	2431				24.2
1.4	QPSK	3	0	2443	2445	2435				
1.4	QPSK	3	3	2434	2438	2425				
1.4	QPSK	6	0	2331	2345	2339				24.2
1.4	HQAM	1	0	2360	2375	2360				
1.4	HQAM	1	3	2351	2383	2343				24.2
1.4	HQAM	1	6	2365	2371	2354				
1.4	HQAM	3	0	2348	2350	2348				
1.4	HQAM	3	1	2351	2361	2351				
1.4	HQAM	3	2	2348	2354	2343				23.2
1.4	HQAM	6	0	2237	2260	2245				
1.4	HQAM	1	0	2251	2265	2254				
1.4	HQAM	1	0	2242	2252	2245				23.2
1.4	HQAM	1	6	2256	2266	2255				
1.4	HQAM	3	0	2247	2259	2250				
1.4	HQAM	3	1	2248	2257	2254				
1.4	HQAM	3	3	2248	2259	2255				20.2
1.4	HQAM	6	0	2137	2149	2143				
1.4	256QAM	1	0	1861	1974	1989				
1.4	256QAM	1	3	1958	1969	1947				20.2
1.4	256QAM	3	0	1658	1954	1957				
1.4	256QAM	3	1	1651	1954	1946				
1.4	256QAM	3	3	1960	1959	1945				20.2
1.4	256QAM	6	0	1960	1986	1961				



Band 30_Ant 0						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel						
Frequency (MHz)						
10	QPSK	1	0	23.86		
10	QPSK	1	49	23.81		
10	QPSK	1	49	23.83		
10	QPSK	25	0	20.60		
10	QPSK	25	12	20.67		
10	QPSK	25	25	20.68		
10	QPSK	50	0	20.74		
10	HQAM	1	0	23.83		
10	HQAM	1	25	23.80		
10	HQAM	1	49	23.86		
10	HQAM	25	0	20.74		
10	HQAM	25	12	20.75		
10	HQAM	25	25	20.78		
10	HQAM	50	0	20.77		
10	HQAM	1	0	21.91		
10	HQAM	1	25	21.90		
10	HQAM	1	49	21.92		
10	HQAM	25	0	20.77		
10	HQAM	25	12	20.77		
10	HQAM	25	25	20.77		
10	HQAM	50	0	20.79		
10	256QAM	1	0	19.19		
10	256QAM	1	25	19.04		
10	256QAM	1	49	19.04		
10	256QAM	25	0	19.06		
10	256QAM	25	12	18.95		
10	256QAM	25	25	18.89		
10	256QAM	50	0	18.98		
Channel						
Frequency (MHz)						
5	QPSK	1	0	23.58	23.57	23.56
5	QPSK	1	49	23.51	23.60	23.60
5	QPSK	1	24	23.58	23.55	23.56
5	QPSK	12	0	20.67	20.60	20.66
5	QPSK	12	12	20.62	20.68	20.67
5	QPSK	12	12	20.63	20.68	20.65
5	QPSK	25	0	20.65	20.73	20.64
5	HQAM	1	0	22.94	22.98	22.97
5	HQAM	1	12	22.95	22.95	23.00
5	HQAM	1	24	22.92	22.98	22.99
5	HQAM	12	0	20.74	20.67	20.68
5	HQAM	12	7	20.65	20.74	20.69
5	HQAM	12	13	20.75	20.71	20.75
5	HQAM	25	0	20.75	20.76	20.72
5	HQAM	1	0	21.91	21.81	21.89
5	HQAM	1	49	21.94	21.90	21.93
5	HQAM	1	24	21.90	21.90	21.88
5	HQAM	12	0	20.72	20.71	20.67
5	HQAM	12	7	20.71	20.67	20.69
5	HQAM	12	13	20.74	20.72	20.68
5	HQAM	25	0	20.76	20.71	20.72
5	256QAM	1	0	19.12	19.11	19.15
5	256QAM	1	12	18.98	18.97	18.99
5	256QAM	1	24	18.95	18.96	18.94
5	256QAM	12	7	18.92	18.88	18.93
5	256QAM	12	13	18.81	18.80	18.82
5	256QAM	25	0	18.94	18.90	18.92



Band 66_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Time-up (min)	
Channel								
Frequency (MHz)								
1720 1746 1770								
20	QPSK	1	0	2340	2344	2348	25.2	
20	QPSK	1	49	2351	2355	2359		
20	QPSK	1	99	2361	2365	2369		
20	QPSK	60	0	2272	2273	2288	24.2	
20	QPSK	50	24	2271	2268	2265		
20	QPSK	50	50	2270	2269	2268		
20	HQAM	1	0	2290	2288	2286	24.2	
20	HQAM	1	49	2289	2281	2281		
20	HQAM	1	99	2289	2279	2280		
20	HQAM	50	0	2171	2159	2163	23.2	
20	HQAM	50	24	2174	2160	2163		
20	HQAM	50	50	2175	2160	2161		
20	HQAM	100	0	2172	2159	2164	23.2	
20	HQAM	1	49	2174	2156	2157		
20	HQAM	1	99	2182	2165	2169		
20	HQAM	50	0	2075	2066	2070	22.2	
20	HQAM	50	24	2078	2066	2068		
20	HQAM	50	50	2076	2060	2068		
20	HQAM	100	0	2074	2063	2068	20.2	
20	256QAM	1	0	1858	1874	1873		
20	256QAM	1	49	1864	1851	1874		
20	256QAM	1	99	1872	1865	1881	20.2	
20	256QAM	50	0	1864	1872	1856		
20	256QAM	50	24	1863	1866	1856		
20	256QAM	50	50	1855	1864	1870	20.2	
20	256QAM	100	0	1878	1861	1880		
Channel								
Frequency (MHz)								
1777.5 1745 1772.5								
15	QPSK	1	0	2360	2357	2358	25.2	
15	QPSK	1	49	2360	2353	2355		
15	QPSK	1	74	2359	2353	2356		
15	QPSK	30	0	2274	2263	2284	24.2	
15	QPSK	30	20	2274	2263	2263		
15	QPSK	30	39	2274	2281	2284		
15	QPSK	75	0	2275	2262	2284	24.2	
15	HQAM	1	70	2267	2264	2266		
15	HQAM	1	39	2301	2295	2290		
15	HQAM	1	70	2267	2264	2266	23.2	
15	HQAM	30	0	2172	2164	2161		
15	HQAM	30	20	2172	2166	2165		
15	HQAM	30	39	2167	2165	2161	23.2	
15	HQAM	75	0	2177	2165	2168		
15	HQAM	1	0	2186	2179	2180		
15	HQAM	1	49	2173	2178	2181	23.2	
15	HQAM	1	74	2181	2168	2173		
15	HQAM	30	0	2076	2070	2068		
15	HQAM	30	20	2078	2068	2069	22.2	
15	HQAM	30	39	2081	2070	2072		
15	HQAM	75	0	2079	2070	2072		
15	256QAM	1	0	1858	1874	1865	20.2	
15	256QAM	1	39	1857	1843	1874		
15	256QAM	1	70	1863	1874	1856		
15	256QAM	30	0	1852	1871	1852	20.2	
15	256QAM	30	20	1873	1861	1882		
15	256QAM	30	39	1867	1860	1881		
15	256QAM	75	0	1871	1850	1850	20.2	
Channel								
Frequency (MHz)								
1302 1302 1302								
Channel								
Frequency (MHz)								
1717.5 1745 1772.5								
5	QPSK	1	0	2353	2351	2351	25.2	
5	QPSK	1	10	2362	2357	2361		
5	QPSK	1	24	2355	2355	2355		
5	QPSK	10	0	2258	2259	2257	24.2	
5	QPSK	25	12	2258	2251	2250		
5	QPSK	50	0	2260	2254	2254		
5	HQAM	1	0	2267	2261	2278	24.2	
5	HQAM	1	20	2260	2260	2272		
5	HQAM	1	49	2265	2278	2277		
5	HQAM	25	0	2161	2157	2151	23.2	
5	HQAM	25	12	2161	2156	2154		
5	HQAM	25	25	2162	2156	2157		
5	HQAM	50	0	2162	2166	2161	23.2	
5	HQAM	1	0	2188	2171	2160		
5	HQAM	1	25	2170	2164	2172		
5	HQAM	1	49	2170	2166	2174	23.2	
5	HQAM	25	0	2082	2087	2086		
5	HQAM	25	12	2081	2087	2087		
5	HQAM	25	25	2084	2089	2088	22.2	
5	HQAM	50	0	2085	2081	2081		
5	256QAM	1	0	1854	1874	1870		
5	256QAM	1	25	1854	1843	1873	20.2	
5	256QAM	1	49	1864	1856	1874		
5	256QAM	25	0	1867	1862	1852		
5	256QAM	25	12	1871	1855	1851	20.2	
5	256QAM	25	25	1850	1850	1857		
5	256QAM	50	0	1868	1851	1850		
Channel								
Frequency (MHz)								
1319 1302 1302								
Channel								
Frequency (MHz)								
1717.5 1745 1772.5								
3	QPSK	1	0	2358	2358	2361	25.2	
3	QPSK	1	6	2353	2353	2355		
3	QPSK	1	14	2358	2353	2356		
3	QPSK	6	0	2263	2257	2259	24.2	
3	QPSK	6	4	2266	2260	2262		
3	QPSK	6	7	2267	2261	2263		
3	HQAM	1	0	2266	2261	2265	24.2	
3	HQAM	1	6	2268	2265	2276		
3	HQAM	1	6	2280	2280	2273		
3	HQAM	6	0	2176	2166	2171	23.2	
3	HQAM	6	4	2170	2164	2168		
3	HQAM	6	7	2178	2173	2170		
3	HQAM	15	0	2171	2167	2169	23.2	
3	HQAM	1	0	2178	2175	2174		
3	HQAM	6	0	2178	2178	2174		
3	HQAM	1	14	2183	2178	2178	22.2	
3	HQAM	6	1	2074	2060	2060		
3	HQAM	10	0	2073	2070	2073		
3	HQAM	6	7	2078	2073	2075	20.2	
3	HQAM	15	0	2072	2067	2067		
3	256QAM	1	0	1850	1874	1872		
3	256QAM	1	6	1855	1848	1867	20.2	
3	256QAM	6	0	1858	1868	1853		
3	256QAM	6	4	1865	1861	1862		
3	256QAM	6	7	1858	1862	1863	20.2	
3	256QAM	15	0	1868	1857	1857		
Channel								
Frequency (MHz)								
1716.7 1745 1773								
1.4	QPSK	1	0	2352	2352	2356	25.2	
1.4	QPSK	1	3	2346	2343	2348		
1.4	QPSK	3	0	2354	2350	2353		
1.4	QPSK	3	0	2359	2351	2356	24.2	
1.4	QPSK	3	1	2358	2351	2357		
1.4	QPSK	3	1	2354	2350	2355		
1.4	QPSK	6	0	2258	2250	2254	24.2	
1.4	HQAM	1	0	2271	2260	2273		
1.4	HQAM	1	3	2259	2270	2266		
1.4	HQAM	1	5	2283	2277	2278	24.2	
1.4	HQAM	3	0	2270	2262	2268		
1.4	HQAM	3	1	2275	2267	2267		
1.4	HQAM	3	3	2270	2261	2267	23.2	
1.4	HQAM	6	0	2163	2157	2159		
1.4	HQAM	1	0	2174	2167	2173		
1.4	HQAM	1	3	2166	2163	2164	23.2	
1.4	HQAM	6	0	2178	2172	2171		
1.4	HQAM	3	0	2175	2188	2172		
1.4	HQAM	3	1	2175	2174	2181	22.2	
1.4	HQAM	3	3	2173	2170	2173		
1.4	HQAM	6	0	2063	2059	2058		
1.4	256QAM	1	0	1857	1870	1871	20.2	
1.4	256QAM	1	6	1861	1850	1865		
1.4	256QAM	1	6	1862	1862	1875		
1.4	256QAM	3	0	1857	1865	1848	20.2	
1.4	256QAM	3	1	1863	1861	1865		
1.4	256QAM	3	3	1865	1857	1867		
1.4	256QAM	6	0	1879	1856	1857	20.2	



Band 71_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Time-up (min)		
Channel									
Frequency (MHz)									
673 683 688									
20	QPSK	1	0	24.61	24.63	24.61			
20	QPSK	1	49	24.60	24.65	24.60			25.2
20	QPSK	1	99	23.99	23.94	23.88			
20	QPSK	60	0	23.18	23.20	23.25			
20	QPSK	50	24	23.17	23.15	23.04			24.2
20	QPSK	50	50	23.12	23.10	22.92			
20	QPSK	100	0	23.15	23.18	23.21			
20	HQAM	1	0	23.34	23.25	23.22			24.2
20	HQAM	1	49	23.34	23.20	23.25			
20	HQAM	1	99	23.38	23.27	23.20			
20	HQAM	50	0	22.14	21.97	21.98			
20	HQAM	50	24	22.18	22.05	21.99			23.2
20	HQAM	50	50	22.18	22.05	22.00			
20	HQAM	100	0	22.14	22.01	21.99			
20	HQAM	1	49	22.21	22.12	22.15			
20	HQAM	1	49	22.20	22.24	22.20			23.2
20	HQAM	1	99	22.38	22.24	22.14			
20	HQAM	50	0	21.15	21.03	21.01			
20	HQAM	50	24	21.19	21.05	21.04			22.2
20	HQAM	50	50	21.18	21.05	21.04			
20	HQAM	100	0	21.15	21.02	20.99			
20	SSBQAM	1	0	19.29	19.22	19.38			20.2
20	SSBQAM	1	49	19.21	19.25	19.28			
20	SSBQAM	1	99	19.14	19.13	19.18			
20	SSBQAM	50	0	19.41	19.46	19.43			
20	SSBQAM	50	24	19.34	19.31	19.38			20.2
20	SSBQAM	50	50	19.34	19.28	19.30			
20	SSBQAM	100	0	19.41	19.38	19.39			
Channel									
Frequency (MHz)									
670.5 680.5 690.5									
15	QPSK	1	0	23.93	23.91	23.88			
15	QPSK	1	49	23.77	23.71	23.88			25.2
15	QPSK	1	74	23.89	23.87	23.83			
15	QPSK	30	0	22.99	22.98	22.89			
15	QPSK	30	29	22.98	22.98	22.95			24.2
15	QPSK	30	39	22.87	22.85	22.84			
15	QPSK	75	0	22.97	22.92	22.92			
15	HQAM	1	0	23.24	23.24	23.27			
15	HQAM	1	39	23.20	23.27	23.25			24.2
15	HQAM	1	74	23.28	23.27	23.11			
15	HQAM	30	0	22.00	21.96	21.95			
15	HQAM	30	20	22.00	21.99	21.97			23.2
15	HQAM	30	39	22.00	21.97	21.96			
15	HQAM	75	0	21.97	21.93	21.93			
15	HQAM	1	0	22.18	22.03	22.14			
15	HQAM	1	74	22.18	22.15	22.07			23.2
15	HQAM	30	0	21.08	21.00	21.00			
15	HQAM	30	20	21.08	21.07	21.01			22.2
15	HQAM	30	39	21.08	21.09	21.01			
15	HQAM	75	0	20.99	20.99	20.99			
15	HQAM	75	0	20.94	20.20	20.31			20.2
15	SSBQAM	1	37	19.15	19.24	19.23			
15	SSBQAM	1	74	19.27	19.25	19.17			
15	SSBQAM	30	0	19.35	19.38	19.39			20.2
15	SSBQAM	30	20	19.33	19.24	19.34			
15	SSBQAM	30	39	19.33	19.33	19.38			
15	SSBQAM	75	0	19.38	19.35	19.30			
Channel									
Frequency (MHz)									
13312 13322 13342									
10	QPSK	1	0	23.93	23.90	23.84			
10	QPSK	1	25	23.75	23.77	23.75			25.2
10	QPSK	1	49	23.84	23.86	23.85			
10	QPSK	25	0	22.94	22.93	22.83			
10	QPSK	25	12	22.92	22.95	22.88			24.2
10	QPSK	25	25	22.99	22.93	22.89			
10	QPSK	50	0	22.98	22.97	22.90			
10	HQAM	1	0	23.17	23.19	23.20			
10	HQAM	1	25	23.21	23.21	23.18			24.2
10	HQAM	1	49	23.28	23.33	23.11			
10	HQAM	25	0	22.08	21.98	21.90			
10	HQAM	25	12	22.00	21.98	21.91			23.2
10	HQAM	25	25	22.00	21.98	21.92			
10	HQAM	50	0	22.02	21.98	21.94			
10	HQAM	1	0	22.08	22.05	22.08			
10	HQAM	1	25	22.16	22.07	22.04			23.2
10	HQAM	1	49	22.18	22.22	22.11			
10	HQAM	25	0	20.99	20.97	20.95			
10	HQAM	25	12	21.03	20.99	20.99			22.2
10	HQAM	25	25	21.04	21.00	20.97			
10	HQAM	50	0	21.07	21.03	20.99			
10	SSBQAM	1	0	19.27	19.19	19.28			20.2
10	SSBQAM	1	25	19.15	19.19	19.28			
10	SSBQAM	1	49	19.09	19.11	19.10			
10	SSBQAM	25	0	19.37	19.38	19.40			
10	SSBQAM	25	12	19.28	19.25	19.38			20.2
10	SSBQAM	25	25	19.28	19.24	19.29			
10	SSBQAM	50	0	19.38	19.38	19.39			
Channel									
Frequency (MHz)									
682.5 672.5 682.5									
5	QPSK	1	0	24.03	24.05	24.00			
5	QPSK	1	12	24.01	24.02	23.99			25.2
5	QPSK	1	24	23.95	23.98	23.92			
5	QPSK	10	0	23.01	23.01	23.02			
5	QPSK	12	7	23.04	23.04	23.05			24.2
5	QPSK	12	13	23.03	23.01	22.92			
5	QPSK	24	0	23.09	23.02	23.00			
5	HQAM	1	0	23.27	23.28	23.23			
5	HQAM	1	12	23.28	23.28	23.32			24.2
5	HQAM	1	24	23.34	23.33	23.25			
5	HQAM	12	0	22.08	22.07	22.05			
5	HQAM	12	13	22.15	22.00	22.07			23.2
5	HQAM	12	13	22.15	22.07	22.07			
5	HQAM	25	0	22.08	22.01	21.97			
5	HQAM	1	12	22.18	22.14	22.14			23.2
5	HQAM	1	12	22.11	22.11	22.08			
5	HQAM	11	24	22.28	22.24	22.12			
5	HQAM	12	0	21.09	21.08	21.05			
5	HQAM	12	7	21.12	21.07	21.04			22.2
5	HQAM	12	13	21.18	21.08	21.08			
5	HQAM	25	0	21.11	21.05	21.01			
5	SSBQAM	1	0	19.28	19.19	19.31			20.2
5	SSBQAM	1	12	19.18	19.23	19.22			
5	SSBQAM	1	24	19.11	19.08	19.17			
5	SSBQAM	12	0	19.41	19.39	19.38			
5	SSBQAM	12	7	19.32	19.25	19.38			
5	SSBQAM	12	13	19.33	19.25	19.25			
5	SSBQAM	25	0	19.34	19.31	19.37			



Band 12_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)		
Channel									
Frequency (MHz)									
701.5 707.5 711.5									
10	QPSK	1	0	2386	2387	2388	24.5		
10	QPSK	1	26	2379	2383	2385			
10	QPSK	1	49	2385	2384	2385	24		
10	QPSK	25	12	2292	2299	2298			
10	QPSK	25	25	2293	2299	2299	24		
10	QPSK	25	0	2294	2292	2291			
10	HQAM	1	0	2316	2320	2319	23		
10	HQAM	1	26	2318	2322	2315			
10	HQAM	1	49	2323	2323	2318	23		
10	HQAM	25	0	2194	2201	2191			
10	HQAM	25	0	2195	2200	2197	23		
10	HQAM	25	25	2197	2202	2200			
10	HQAM	50	0	2197	2202	2198	23		
10	HQAM	50	0	2204	2205	2203			
10	HQAM	1	26	2220	2222	2209	22		
10	HQAM	1	49	2223	2218	2217			
10	HQAM	25	0	2107	2103	2095	20		
10	HQAM	25	12	2101	2104	2097			
10	HQAM	25	25	2102	2106	2102	20		
10	HQAM	50	0	2100	2108	2103			
10	SSBQAM	1	0	1933	1925	1934	20		
10	SSBQAM	1	26	1919	1925	1927			
10	SSBQAM	1	49	1918	1927	1915	20		
10	SSBQAM	25	0	1945	1946	1943			
10	SSBQAM	25	12	1934	1937	1936	20		
10	SSBQAM	25	25	1934	1935	1937			
10	SSBQAM	50	0	1934	1938	1932	20		
10	SSBQAM	50	0	2018	2008	2015			
Channel									
Frequency (MHz)									
701.5 707.5 711.5									
5	QPSK	1	0	2379	2386	2382	24.5		
5	QPSK	1	26	2384	2385	2384			
5	QPSK	1	24	2383	2385	2382	24		
5	QPSK	12	0	2286	2293	2288			
5	QPSK	12	0	2288	2296	2292	24		
5	QPSK	12	12	2289	2296	2295			
5	QPSK	25	0	2284	2296	2288	24		
5	HQAM	1	0	2311	2322	2315			
5	HQAM	1	12	2323	2330	2326	23		
5	HQAM	1	24	2323	2321	2311			
5	HQAM	12	0	2194	2197	2193	23		
5	HQAM	12	7	2198	2198	2192			
5	HQAM	12	13	2200	2199	2196	23		
5	HQAM	25	0	2195	2195	2191			
5	HQAM	1	0	2207	2209	2196	22		
5	HQAM	1	24	2217	2211	2207			
5	HQAM	12	0	2095	2100	2095	20		
5	HQAM	12	7	2099	2099	2096			
5	HQAM	12	13	2105	2100	2097	20		
5	HQAM	25	0	2097	2098	2095			
5	SSBQAM	1	0	1931	1921	1931	20		
5	SSBQAM	1	12	1916	1924	1918			
5	SSBQAM	1	24	1911	1907	1905	20		
5	SSBQAM	12	7	1927	1935	1930			
5	SSBQAM	12	13	1927	1932	1932	20		
5	SSBQAM	25	0	1924	1935	1924			
Channel									
Frequency (MHz)									
701.5 707.5 711.5									
3	QPSK	1	0	2388	2386	2383	24.5		
3	QPSK	1	6	2383	2386	2385			
3	QPSK	1	11	2384	2385	2384	24		
3	QPSK	8	0	2288	2292	2287			
3	QPSK	8	4	2289	2291	2287	24		
3	QPSK	8	0	2292	2296	2290			
3	QPSK	16	0	2290	2294	2287	24		
3	HQAM	1	0	2317	2322	2311			
3	HQAM	1	6	2317	2315	2310	23		
3	HQAM	1	14	2321	2318	2313			
3	HQAM	8	4	2198	2197	2195	23		
3	HQAM	8	4	2203	2200	2201			
3	HQAM	8	7	2206	2203	2202	23		
3	HQAM	16	0	2196	2196	2196			
3	HQAM	1	0	2217	2213	2213	22		
3	HQAM	1	6	2217	2210	2209			
3	HQAM	8	0	2103	2101	2097	22		
3	HQAM	8	4	2108	2104	2101			
3	HQAM	8	7	2108	2104	2103	20		
3	HQAM	16	0	2101	2102	2099			
3	SSBQAM	1	0	1919	1916	1916	20		
3	SSBQAM	1	14	1901	1893	1899			
3	SSBQAM	8	0	1903	1906	1902	20		
3	SSBQAM	8	4	1915	1915	1910			
3	SSBQAM	8	7	1908	1914	1913	20		
3	SSBQAM	16	0	1905	1911	1910			
Channel									
Frequency (MHz)									
697.7 707.5 711.5									
1.4	QPSK	1	0	2381	2384	2383	24.5		
1.4	QPSK	1	3	2384	2384	2376			
1.4	QPSK	1	5	2383	2384	2382	24		
1.4	QPSK	3	1	2382	2383	2383			
1.4	QPSK	3	1	2383	2386	2383	24		
1.4	QPSK	3	3	2381	2381	2383			
1.4	QPSK	6	0	2291	2288	2287	24		
1.4	HQAM	1	0	2320	2320	2315			
1.4	HQAM	1	5	2316	2306	2307	23		
1.4	HQAM	1	5	2317	2314	2313			
1.4	HQAM	3	0	2303	2298	2299	23		
1.4	HQAM	3	1	2308	2306	2302			
1.4	HQAM	3	1	2308	2304	2297	23		
1.4	HQAM	6	0	2202	2197	2194			
1.4	HQAM	1	3	2214	2206	2202	23		
1.4	HQAM	1	3	2205	2188	2202			
1.4	HQAM	1	6	2217	2208	2208	22		
1.4	HQAM	3	0	2204	2200	2202			
1.4	HQAM	3	1	2207	2200	2202	22		
1.4	HQAM	6	0	2208	2201	2202			
1.4	HQAM	6	0	2102	2096	2096	20		
1.4	SSBQAM	1	0	1918	1908	1908			
1.4	SSBQAM	1	5	1895	1903	1905	20		
1.4	SSBQAM	1	5	1899	1899	1894			
1.4	SSBQAM	3	0	1926	1919	1913	20		
1.4	SSBQAM	3	1	1909	1913	1908			
1.4	SSBQAM	3	1	1908	1905	1912	20		
1.4	SSBQAM	6	0	1895	1918	1902			



Band 13_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (min)	
Channel							
Frequency (MHz)				782			
10	QPSK	1	0	23.86		24.4	
10	QPSK	1	25	23.77			
10	QPSK	1	49	23.87			
10	QPSK	25	0	22.94		23.9	
10	QPSK	25	12	22.92			
10	QPSK	25	25	22.92			
10	16QAM	50	0	22.92		23.9	
10	16QAM	1	0	23.10			
10	16QAM	1	25	23.18			
10	16QAM	1	49	23.17		22.9	
10	16QAM	25	0	21.91			
10	16QAM	25	12	21.93			
10	16QAM	25	25	21.95		22.9	
10	16QAM	50	0	21.99			
10	16QAM	1	0	22.92			
10	16QAM	1	25	22.12		21.9	
10	16QAM	1	49	22.11			
10	16QAM	25	0	20.92			
10	16QAM	25	12	20.95		19.9	
10	16QAM	25	25	20.95			
10	16QAM	50	0	20.98			
10	256QAM	1	0	19.31		19.9	
10	256QAM	1	25	19.33			
10	256QAM	1	49	19.23			
10	256QAM	25	0	19.32		19.9	
10	256QAM	25	12	19.32			
10	256QAM	25	25	19.24			
10	256QAM	50	0	19.29			
Channel				2305	2305	2305	
Frequency (MHz)				770.5	782	784.5	
5	QPSK	1	0	23.81	23.83	23.82	24.4
5	QPSK	1	25	23.87	23.82	23.82	
5	QPSK	1	24	23.81	23.77	23.80	
5	QPSK	12	0	22.91	22.85	22.84	23.9
5	QPSK	12	12	22.92	22.87	22.89	
5	QPSK	12	13	22.81	22.84	22.88	
5	QPSK	25	0	22.90	22.82	22.82	23.9
5	16QAM	1	0	23.08	23.07	23.12	
5	16QAM	1	12	23.15	23.20	23.21	
5	16QAM	1	24	23.19	23.17	23.14	22.9
5	16QAM	12	0	21.92	21.94	21.98	
5	16QAM	12	7	21.95	21.94	21.97	
5	16QAM	12	13	22.95	21.96	21.92	22.9
5	16QAM	25	0	21.94	21.91	21.98	
5	16QAM	1	0	22.01	22.04	22.02	
5	16QAM	1	25	22.06	22.07	22.02	21.9
5	16QAM	1	24	22.09	22.09	22.01	
5	16QAM	12	0	20.94	20.95	20.96	
5	16QAM	12	7	20.95	20.98	20.95	21.9
5	16QAM	12	13	20.98	20.98	20.94	
5	16QAM	25	0	20.92	20.92	20.98	
5	256QAM	1	0	19.15	19.24	19.15	19.9
5	256QAM	1	12	19.21	19.23	19.19	
5	256QAM	1	24	19.27	19.16	19.09	
5	256QAM	12	7	19.19	19.20	19.11	19.9
5	256QAM	12	13	19.23	19.16	19.16	
5	256QAM	25	0	19.20	19.20	19.18	



Band 14_Ant 1						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel						
Frequency (MHz)						
10	QPSK	1	0	23.84		
10	QPSK	1	49	23.77		
10	QPSK	1	49	23.79		
10	QPSK	25	0	22.87		
10	QPSK	25	12	22.85		
10	QPSK	25	25	22.84		
10	QPSK	50	0	22.94		
10	16QAM	1	0	23.10		
10	16QAM	1	25	23.18		
10	16QAM	1	49	23.10		
10	16QAM	25	0	21.91		
10	16QAM	25	12	21.92		
10	16QAM	25	25	21.90		
10	16QAM	50	0	21.98		
10	16QAM	1	0	22.04		
10	16QAM	1	25	22.09		
10	16QAM	1	49	22.04		
10	16QAM	25	0	20.97		
10	16QAM	25	12	20.95		
10	16QAM	25	25	20.96		
10	16QAM	50	0	21.02		
10	256QAM	1	0	19.12		
10	256QAM	1	25	19.22		
10	256QAM	1	49	19.13		
10	256QAM	25	0	19.22		
10	256QAM	25	12	19.26		
10	256QAM	25	25	19.11		
10	256QAM	50	0	19.19		
Channel						
Frequency (MHz)						
5	QPSK	1	0	23.78	23.83	23.83
5	QPSK	1	49	23.76	23.83	23.81
5	QPSK	1	24	23.71	23.80	23.79
5	QPSK	12	0	22.79	22.88	22.88
5	QPSK	12	13	22.82	22.90	22.88
5	QPSK	12	13	22.80	22.86	22.86
5	QPSK	25	0	22.77	22.86	22.85
5	16QAM	1	0	23.00	23.13	23.19
5	16QAM	1	12	23.15	23.23	23.21
5	16QAM	1	24	23.15	23.17	23.11
5	16QAM	12	0	21.88	21.93	21.96
5	16QAM	12	7	21.93	21.94	21.96
5	16QAM	12	13	21.93	21.92	21.95
5	16QAM	25	0	21.84	21.89	21.90
5	16QAM	1	0	21.93	22.02	22.02
5	16QAM	1	49	21.85	21.96	21.96
5	16QAM	1	24	22.07	21.98	21.98
5	16QAM	12	0	20.91	20.94	20.97
5	16QAM	12	7	20.94	20.94	20.98
5	16QAM	12	13	20.97	20.94	20.97
5	16QAM	25	0	20.88	20.93	20.96
5	256QAM	1	0	19.09	19.07	19.05
5	256QAM	1	12	19.13	19.15	19.19
5	256QAM	1	24	19.11	19.11	19.12
5	256QAM	12	0	19.15	19.19	19.12
5	256QAM	12	7	19.18	19.12	19.11
5	256QAM	12	13	19.06	19.02	19.05
5	256QAM	25	0	19.17	19.11	19.18



Band 17_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up limit (min)
Channel				700	710	711	
Frequency (MHz)							
10	QPSK	1	0	23.84	23.86	23.87	24.5
10	QPSK	1	24	23.85	23.85	23.78	
10	QPSK	1	48	23.93	23.92	23.91	
10	QPSK	25	0	22.06	22.01	22.00	24
10	QPSK	25	12	22.97	22.98	22.95	
10	QPSK	25	24	22.98	22.98	22.97	
10	HQAM	1	0	23.22	23.30	23.25	24
10	HQAM	1	24	23.18	23.24	23.22	
10	HQAM	1	48	23.28	23.28	23.24	
10	HQAM	25	0	21.07	21.98	21.95	23
10	HQAM	25	12	22.05	21.98	21.95	
10	HQAM	25	24	22.02	22.05	21.97	
10	HQAM	50	0	22.08	22.08	21.99	23
10	HQAM	50	0	22.16	22.06	22.00	
10	HQAM	50	24	22.14	22.08	22.09	
10	HQAM	1	48	22.20	22.18	22.15	22
10	HQAM	25	0	21.00	21.05	20.98	
10	HQAM	25	12	21.00	21.02	20.88	
10	HQAM	25	24	21.03	21.05	21.02	20
10	HQAM	50	0	21.11	21.07	21.03	
10	HQAM	1	0	19.25	19.18	19.27	
10	HQAM	1	24	19.19	19.18	19.21	20
10	HQAM	1	48	19.09	19.07	19.12	
10	HQAM	25	0	19.39	19.39	19.36	
10	HQAM	25	12	19.32	19.29	19.31	20
10	HQAM	25	24	19.24	19.28	19.30	
10	HQAM	50	0	19.32	19.32	19.30	
Channel				700.5	710	711.5	
Frequency (MHz)							
5	QPSK	1	0	23.87	23.93	23.83	24.5
5	QPSK	1	24	23.93	23.93	23.88	
5	QPSK	1	24	23.89	23.92	23.80	
5	QPSK	12	0	22.92	22.97	22.87	24
5	QPSK	12	12	22.95	23.00	22.89	
5	QPSK	12	12	22.84	22.89	22.88	
5	HQAM	1	0	22.95	22.96	22.85	24
5	HQAM	1	0	23.16	23.25	23.11	
5	HQAM	1	12	23.24	23.31	23.20	
5	HQAM	1	24	23.21	23.30	23.19	23
5	HQAM	12	0	21.98	22.03	21.93	
5	HQAM	12	7	21.98	22.05	21.97	
5	HQAM	12	13	22.05	22.07	21.96	23
5	HQAM	25	0	21.98	22.03	21.90	
5	HQAM	1	0	22.10	22.18	22.08	
5	HQAM	1	24	22.04	22.18	22.07	22
5	HQAM	12	0	20.97	21.05	20.96	
5	HQAM	12	7	20.97	21.03	20.97	
5	HQAM	12	13	20.97	21.04	20.95	20
5	HQAM	25	0	20.98	21.01	20.94	
5	HQAM	1	0	19.24	19.21	19.21	
5	HQAM	1	12	19.11	19.09	19.14	20
5	HQAM	1	24	19.04	19.06	19.12	
5	HQAM	12	7	19.28	19.23	19.24	
5	HQAM	12	13	19.25	19.19	19.20	20
5	HQAM	25	0	19.32	19.27	19.29	









Band 7_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Middle Ch. Freq	Power High Ch. Freq	Time-up (min)
Channel							
Frequency (MHz)							
20	QPSK	1	0	2340	2360	2380	24.1
20	QPSK	1	40	2335	2341	2345	
20	QPSK	1	80	2330	2343	2349	
20	QPSK	60	0	2314	2315	2320	23.0
20	QPSK	50	24	2318	2315	2324	
20	QPSK	50	50	2320	2316	2325	
20	QPSK	100	0	2320	2314	2322	23.0
20	16QAM	1	0	2334	2337	2340	
20	16QAM	1	40	2333	2336	2342	
20	16QAM	1	80	2331	2336	2335	22.0
20	16QAM	50	0	2215	2214	2220	
20	16QAM	50	24	2217	2216	2223	
20	16QAM	50	50	2216	2219	2222	22.0
20	16QAM	100	0	2215	2213	2219	
20	16QAM	1	0	2231	2231	2236	
20	16QAM	1	40	2230	2232	2239	21.0
20	16QAM	1	80	2229	2237	2241	
20	16QAM	50	0	2118	2116	2123	
20	16QAM	50	24	2120	2121	2125	19.0
20	16QAM	50	50	2119	2120	2127	
20	16QAM	100	0	2116	2116	2120	
20	256QAM	1	0	1932	1933	1939	19.0
20	256QAM	1	40	1933	1939	1941	
20	256QAM	1	80	1931	1937	1936	
20	256QAM	50	0	1923	1929	1916	19.0
20	256QAM	50	24	1918	1913	1905	
20	256QAM	50	50	1919	1901	1901	
20	256QAM	100	0	1912	1913	1908	19.0
Channel							
Frequency (MHz)							
15	QPSK	1	0	2343	2340	2348	24.1
15	QPSK	1	40	2335	2334	2342	
15	QPSK	1	74	2342	2343	2353	
15	QPSK	30	0	2316	2316	2324	23.0
15	QPSK	30	20	2315	2315	2327	
15	QPSK	30	39	2315	2316	2327	
15	QPSK	75	0	2318	2317	2326	23.0
15	16QAM	1	0	2339	2339	2349	
15	16QAM	1	37	2345	2348	2354	
15	16QAM	1	74	2334	2339	2352	22.0
15	16QAM	30	0	2214	2216	2222	
15	16QAM	30	20	2210	2216	2223	
15	16QAM	30	39	2211	2217	2221	22.0
15	16QAM	75	0	2216	2216	2224	
15	16QAM	1	0	2228	2231	2233	
15	16QAM	1	37	2238	2238	2241	21.0
15	16QAM	1	74	2231	2235	2248	
15	16QAM	30	0	2113	2110	2123	
15	16QAM	30	20	2112	2118	2124	21.0
15	16QAM	30	39	2112	2117	2127	
15	16QAM	75	0	2115	2116	2124	
15	256QAM	1	0	1930	1934	1936	19.0
15	256QAM	1	37	1922	1918	1919	
15	256QAM	30	0	1922	1908	1908	
15	256QAM	30	20	1918	1906	1903	19.0
15	256QAM	30	39	1911	1906	1906	
15	256QAM	75	0	1914	1914	1905	
Channel							
Frequency (MHz)							
10	QPSK	1	0	2340	2339	2349	24.1
10	QPSK	1	25	2334	2338	2349	
10	QPSK	1	49	2340	2340	2351	
10	QPSK	25	0	2312	2312	2324	23.0
10	QPSK	25	12	2313	2312	2325	
10	QPSK	25	25	2315	2313	2327	
10	QPSK	50	0	2315	2316	2326	23.0
10	16QAM	1	0	2338	2343	2349	
10	16QAM	1	25	2333	2333	2347	
10	16QAM	1	49	2328	2339	2348	22.0
10	16QAM	25	0	2216	2212	2222	
10	16QAM	25	12	2211	2214	2223	
10	16QAM	25	25	2214	2216	2226	22.0
10	16QAM	50	0	2214	2214	2227	
10	16QAM	1	0	2231	2231	2244	
10	16QAM	1	25	2223	2234	2230	21.0
10	16QAM	1	49	2231	2231	2243	
10	16QAM	25	0	2112	2114	2122	
10	16QAM	25	12	2113	2115	2124	21.0
10	16QAM	25	25	2115	2114	2125	
10	16QAM	50	0	2115	2119	2128	
10	256QAM	1	0	1925	1926	1926	19.0
10	256QAM	1	25	1922	1913	1916	
10	256QAM	1	49	1912	1907	1907	
10	256QAM	25	0	1921	1910	1906	19.0
10	256QAM	25	12	1918	1914	1903	
10	256QAM	25	25	1919	1901	1909	
10	256QAM	50	0	1920	1919	1906	19.0
Channel							
Frequency (MHz)							
5	QPSK	1	0	2341	2339	2351	24.1
5	QPSK	1	10	2350	2345	2354	
5	QPSK	1	24	2339	2340	2352	
5	QPSK	10	0	2313	2313	2324	23.0
5	QPSK	12	7	2313	2315	2324	
5	QPSK	12	15	2313	2313	2326	
5	QPSK	25	0	2314	2313	2327	23.0
5	16QAM	1	0	2334	2340	2349	
5	16QAM	1	10	2339	2350	2351	
5	16QAM	1	24	2334	2340	2345	22.0
5	16QAM	12	0	2214	2217	2228	
5	16QAM	12	13	2211	2216	2232	
5	16QAM	12	13	2215	2215	2231	22.0
5	16QAM	25	0	2214	2214	2225	
5	16QAM	1	0	2225	2228	2242	
5	16QAM	1	12	2232	2239	2248	21.0
5	16QAM	11	24	2227	2220	2239	
5	16QAM	12	0	2119	2119	2128	
5	16QAM	12	7	2120	2120	2130	21.0
5	16QAM	12	13	2117	2117	2121	
5	16QAM	25	0	2115	2116	2126	
5	256QAM	1	0	1931	1928	1928	19.0
5	256QAM	1	12	1915	1922	1920	
5	256QAM	1	24	1909	1916	1911	
5	256QAM	12	0	1919	1908	1907	19.0
5	256QAM	12	7	1918	1905	1903	
5	256QAM	12	13	1911	1906	1902	
5	256QAM	25	0	1915	1910	1903	19.0





Band 30_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Time-up limit (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0	2210			
10	QPSK	1	25	2215			22.9
10	QPSK	1	49	2215			
10	QPSK	25	0	2087			
10	QPSK	25	12	2085			21.0
10	QPSK	25	25	2086			
10	QPSK	50	0	2086			
10	QPSK	50	0	2237			22.9
10	HQAM	1	25	2248			
10	HQAM	1	49	2245			
10	HQAM	25	0	2072			
10	HQAM	25	12	2071			21.0
10	HQAM	25	25	2072			
10	HQAM	50	0	2072			
10	HQAM	50	0	2191			22.9
10	HQAM	1	25	2190			
10	HQAM	1	49	2190			
10	HQAM	25	0	2071			
10	HQAM	25	12	2072			21.0
10	HQAM	25	25	2072			
10	HQAM	50	0	2072			
10	256QAM	1	0	1919			19.9
10	256QAM	1	25	1894			
10	256QAM	1	49	1898			
10	256QAM	25	0	1896			
10	256QAM	25	12	1894			19.9
10	256QAM	25	25	1893			
10	256QAM	50	0	1888			
Channel							
Frequency (MHz)							
5	QPSK	1	0	2205	2210	2215	
5	QPSK	1	0	2215	2215	2212	22.9
5	QPSK	1	24	2216	2216	2210	
5	QPSK	1	24	2215	2214	2209	
5	QPSK	12	0	2088	2089	2088	
5	QPSK	12	0	2088	2089	2088	21.0
5	QPSK	12	12	2070	2071	2087	
5	QPSK	12	12	2070	2071	2087	
5	QPSK	25	0	2087	2086	2082	
5	HQAM	1	0	2245	2255	2250	22.9
5	HQAM	1	12	2249	2258	2251	
5	HQAM	1	24	2250	2248	2249	
5	HQAM	12	0	2073	2077	2076	
5	HQAM	12	7	2077	2077	2076	21.0
5	HQAM	12	13	2071	2076	2076	
5	HQAM	25	0	2072	2059	2059	
5	HQAM	1	0	2184	2186	2190	22.9
5	HQAM	1	24	2185	2183	2182	
5	HQAM	1	24	2186	2184	2181	
5	HQAM	12	0	2072	2077	2076	
5	HQAM	12	7	2075	2079	2075	21.0
5	HQAM	12	13	2078	2080	2073	
5	HQAM	25	0	2072	2070	2088	
5	256QAM	1	0	1912	1911	1915	19.9
5	256QAM	1	12	1898	1897	1890	
5	256QAM	1	24	1895	1896	1894	
5	256QAM	12	7	1892	1888	1893	19.9
5	256QAM	12	13	1881	1880	1882	
5	256QAM	25	0	1894	1890	1892	











Band 7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Time-up (min)		
				Low	Mid	High			
Channel				2560	2560	2560			
Frequency (MHz)				2560	2560	2560			
20	QPSK	1	0	23.02	23.08	23.44	24.0		
20	QPSK	1	49	23.35	23.41	23.45			
20	QPSK	1	99	23.39	23.43	23.49			
20	QPSK	64	0	23.14	23.15	23.30	23.0		
20	QPSK	50	24	23.18	23.15	23.24			
20	QPSK	50	99	23.20	23.16	23.25			
20	QPSK	100	0	23.20	23.14	23.22	23.0		
20	QPSK	1	0	23.34	23.37	23.40			
20	HQAM	1	49	23.33	23.38	23.42			
20	HQAM	1	99	23.31	23.38	23.35	22.0		
20	HQAM	50	0	22.15	22.14	22.20			
20	HQAM	50	49	22.17	22.18	22.23			
20	HQAM	50	99	22.18	22.19	22.22	22.0		
20	HQAM	100	0	22.15	22.13	22.19			
20	HQAM	1	0	22.21	22.21	22.26			
20	HQAM	1	49	22.20	22.22	22.29	22.0		
20	HQAM	1	99	22.22	22.37	22.41			
20	HQAM	50	0	21.18	21.15	21.23			
20	HQAM	50	24	21.20	21.21	21.25	21.0		
20	HQAM	50	99	21.19	21.20	21.27			
20	HQAM	100	0	21.18	21.18	21.20			
20	SSBQAM	1	0	19.32	19.33	19.29	19.0		
20	SSBQAM	1	49	19.23	19.19	19.21			
20	SSBQAM	1	99	19.11	19.07	19.06			
20	SSBQAM	50	0	19.23	19.09	19.16	19.0		
20	SSBQAM	50	49	19.18	19.13	19.05			
20	SSBQAM	50	99	19.19	19.01	19.01			
20	SSBQAM	100	0	19.12	19.13	19.08	19.0		
Channel				2567.5	2567.5	2567.5			
Frequency (MHz)				2567.5	2567.5	2567.5			
15	QPSK	1	0	23.43	23.40	23.48	24.0		
15	QPSK	1	49	23.35	23.34	23.42			
15	QPSK	1	74	23.42	23.43	23.53			
15	QPSK	30	0	23.16	23.16	23.24	23.0		
15	QPSK	30	49	23.15	23.15	23.27			
15	QPSK	30	74	23.15	23.16	23.27			
15	QPSK	75	0	23.18	23.17	23.26	23.0		
15	HQAM	1	0	23.39	23.39	23.49			
15	HQAM	1	37	23.45	23.48	23.54			
15	HQAM	1	74	23.34	23.39	23.52	22.0		
15	HQAM	30	0	22.14	22.16	22.22			
15	HQAM	30	30	22.10	22.16	22.23			
15	HQAM	30	74	22.11	22.17	22.31	22.0		
15	HQAM	75	0	22.16	22.16	22.24			
15	HQAM	1	0	22.28	22.31	22.33			
15	HQAM	1	74	22.31	22.35	22.48	21.0		
15	HQAM	30	0	21.13	21.10	21.23			
15	HQAM	30	20	21.12	21.18	21.24			
15	HQAM	30	39	21.12	21.17	21.27	19.0		
15	HQAM	75	0	21.15	21.16	21.24			
15	SSBQAM	1	0	19.30	19.34	19.36			
15	SSBQAM	1	37	19.22	19.18	19.19	19.0		
15	SSBQAM	30	74	19.11	19.07	19.13			
15	SSBQAM	30	0	19.22	19.08	19.08			
15	SSBQAM	30	20	19.18	19.08	19.03	19.0		
15	SSBQAM	30	39	19.11	19.08	19.06			
15	SSBQAM	75	0	19.14	19.14	19.05			
Channel				2060	2100	2160			
Frequency (MHz)				2060	2100	2160			
10	QPSK	1	0	23.40	23.39	23.49	24.0		
10	QPSK	1	25	23.34	23.38	23.49			
10	QPSK	1	49	23.40	23.40	23.51			
10	QPSK	25	0	23.12	23.12	23.24	23.0		
10	QPSK	25	12	23.13	23.12	23.25			
10	QPSK	25	25	23.15	23.13	23.27			
10	QPSK	50	0	23.15	23.16	23.26	23.0		
10	HQAM	1	0	23.38	23.43	23.49			
10	HQAM	1	25	23.33	23.33	23.47			
10	HQAM	1	49	23.28	23.39	23.48	22.0		
10	HQAM	25	0	22.16	22.12	22.22			
10	HQAM	25	12	22.11	22.14	22.23			
10	HQAM	25	25	22.14	22.16	22.26	22.0		
10	HQAM	50	0	22.14	22.14	22.27			
10	HQAM	1	0	22.31	22.31	22.44			
10	HQAM	1	25	22.23	22.34	22.30	21.0		
10	HQAM	1	49	22.31	22.31	22.43			
10	HQAM	25	0	21.12	21.14	21.22			
10	HQAM	25	12	21.13	21.15	21.24	19.0		
10	HQAM	25	25	21.15	21.14	21.25			
10	HQAM	50	0	21.15	21.19	21.28			
10	SSBQAM	1	0	19.25	19.26	19.28	19.0		
10	SSBQAM	1	25	19.22	19.13	19.16			
10	SSBQAM	1	49	19.12	19.07	19.07			
10	SSBQAM	25	0	19.21	19.10	19.06	19.0		
10	SSBQAM	25	12	19.18	19.14	19.03			
10	SSBQAM	25	25	19.19	19.01	19.09			
10	SSBQAM	50	0	19.20	19.19	19.08	19.0		
Channel				2077.5	2190	2165			
Frequency (MHz)				2077.5	2190	2165			
5	QPSK	1	0	23.41	23.39	23.51	24.0		
5	QPSK	1	12	23.50	23.45	23.54			
5	QPSK	1	24	23.39	23.40	23.52			
5	QPSK	10	0	23.13	23.13	23.24	23.0		
5	QPSK	12	7	23.13	23.15	23.24			
5	QPSK	12	13	23.13	23.13	23.26			
5	QPSK	20	0	23.14	23.13	23.27	23.0		
5	HQAM	1	0	23.34	23.40	23.49			
5	HQAM	1	12	23.39	23.50	23.51			
5	HQAM	1	24	23.34	23.40	23.45	22.0		
5	HQAM	10	0	22.14	22.17	22.28			
5	HQAM	10	13	22.11	22.16	22.32			
5	HQAM	12	13	22.15	22.15	22.31	22.0		
5	HQAM	25	0	22.14	22.14	22.25			
5	HQAM	1	12	22.32	22.39	22.48			
5	HQAM	11	24	22.27	22.29	22.39	21.0		
5	HQAM	10	0	21.15	21.19	21.28			
5	HQAM	12	7	21.20	21.20	21.30			
5	HQAM	15	13	21.17	21.17	21.31	19.0		
5	HQAM	25	0	21.15	21.16	21.26			
5	SSBQAM	1	0	19.31	19.28	19.28			
5	SSBQAM	1	12	19.15	19.22	19.20	19.0		
5	SSBQAM	1	24	19.09	19.16	19.11			
5	SSBQAM	12	0	19.19	19.08	19.07			
5	SSBQAM	10	0	19.18	19.05	19.03	19.0		
5	SSBQAM	12	13	19.11	19.06	19.02			
5	SSBQAM	22	0	19.15	19.10	19.03			





Band 30_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Time-up (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0	2215			23.7
10	QPSK	1	25	2215			
10	QPSK	1	49	2215			
10	QPSK	25	0	2087			21.0
10	QPSK	25	12	2085			
10	QPSK	25	25	2086			
10	QPSK	50	0	2056			23.7
10	16QAM	1	0	2237			
10	16QAM	1	25	2248			
10	16QAM	1	49	2245			21.7
10	16QAM	25	0	2072			
10	16QAM	25	12	2071			
10	16QAM	25	25	2072			23.7
10	16QAM	50	0	2072			
10	16QAM	1	0	2191			
10	16QAM	1	25	2156			21.7
10	16QAM	1	49	2190			
10	16QAM	25	0	2071			
10	16QAM	25	12	2072			19.7
10	16QAM	25	25	2072			
10	16QAM	50	0	2072			
10	256QAM	1	0	1915			19.7
10	256QAM	1	25	1894			
10	256QAM	1	49	1898			
10	256QAM	25	0	1896			19.7
10	256QAM	25	12	1894			
10	256QAM	25	25	1893			
10	256QAM	50	0	1888			
Channel							
Frequency (MHz)							
5	QPSK	1	0	2215	2215	2212	23.7
5	QPSK	1	24	2216	2216	2213	
5	QPSK	1	24	2215	2214	2209	
5	QPSK	12	0	2088	2089	2088	21.0
5	QPSK	12	12	2070	2071	2087	
5	QPSK	12	12	2070	2071	2087	
5	QPSK	25	0	2087	2086	2082	23.7
5	16QAM	1	0	2245	2255	2250	
5	16QAM	1	12	2249	2256	2251	
5	16QAM	1	24	2250	2248	2249	21.7
5	16QAM	12	0	2073	2077	2076	
5	16QAM	12	7	2077	2077	2076	
5	16QAM	12	13	2071	2076	2076	23.7
5	16QAM	25	0	2072	2059	2059	
5	16QAM	1	0	2184	2186	2190	
5	16QAM	1	24	2195	2193	2196	21.7
5	16QAM	1	24	2196	2184	2181	
5	16QAM	12	0	2072	2077	2076	
5	16QAM	12	7	2075	2079	2075	19.7
5	16QAM	12	13	2078	2080	2073	
5	16QAM	25	0	2072	2070	2088	
5	256QAM	1	0	1912	1911	1915	19.7
5	256QAM	1	12	1898	1897	1899	
5	256QAM	1	24	1895	1896	1894	
5	256QAM	12	7	1892	1888	1893	19.7
5	256QAM	12	13	1881	1880	1882	
5	256QAM	25	0	1894	1890	1892	









Band 7_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)			
Channel				2560	2595	2630				
Frequency (MHz)										
20	QPSK	1	0	2342	2338	2344	24.0			
20	QPSK	1	49	2335	2341	2345				
20	QPSK	1	99	2339	2343	2349				
20	QPSK	60	0	2314	2315	2320	23.0			
20	QPSK	50	24	2318	2315	2324				
20	QPSK	50	99	2320	2316	2325				
20	HQAM	1	0	2334	2337	2340	22.0			
20	HQAM	1	49	2333	2336	2342				
20	HQAM	1	99	2331	2336	2335				
20	HQAM	50	0	2215	2214	2220	22.0			
20	HQAM	50	24	2217	2216	2223				
20	HQAM	50	99	2216	2219	2222				
20	HQAM	100	0	2215	2213	2219	22.0			
20	HQAM	1	49	2220	2215	2220				
20	HQAM	1	99	2222	2237	2241				
20	HQAM	50	0	2118	2115	2123	21.0			
20	HQAM	50	24	2120	2121	2125				
20	HQAM	50	99	2119	2120	2127				
20	HQAM	100	0	2116	2116	2120	19.0			
20	SSBQAM	1	0	1932	1933	1929				
20	SSBQAM	1	49	1923	1919	1921				
20	SSBQAM	1	99	1911	1927	1926	19.0			
20	SSBQAM	50	0	1923	1909	1916				
20	SSBQAM	50	24	1918	1913	1925				
20	SSBQAM	50	99	1919	1921	1921	19.0			
20	SSBQAM	100	0	1912	1913	1908				
Channel				2567.5	2595	2622.5		Time-up (min)		
Frequency (MHz)										
15	QPSK	1	0	2343	2340	2348	24.0			
15	QPSK	1	49	2335	2334	2342				
15	QPSK	1	74	2342	2343	2353				
15	QPSK	30	0	2316	2316	2324	23.0			
15	QPSK	30	26	2315	2315	2327				
15	QPSK	30	39	2315	2316	2327				
15	QPSK	75	0	2318	2317	2326	23.0			
15	HQAM	1	0	2339	2339	2349				
15	HQAM	1	37	2345	2348	2354				
15	HQAM	1	74	2334	2339	2352	22.0			
15	HQAM	30	0	2214	2216	2222				
15	HQAM	30	20	2210	2216	2223				
15	HQAM	30	39	2211	2217	2231	22.0			
15	HQAM	75	0	2216	2216	2224				
15	HQAM	1	0	2228	2231	2233				
15	HQAM	1	74	2231	2235	2248	21.0			
15	HQAM	30	0	2113	2110	2123				
15	HQAM	30	20	2112	2118	2124				
15	HQAM	30	39	2112	2117	2127	19.0			
15	HQAM	75	0	2115	2116	2124				
15	SSBQAM	1	0	1920	1924	1926				
15	SSBQAM	1	37	1922	1918	1919	19.0			
15	SSBQAM	30	0	1922	1928	1928				
15	SSBQAM	30	20	1918	1908	1903				
15	SSBQAM	30	39	1911	1926	1926	19.0			
15	SSBQAM	75	0	1914	1914	1925				
Channel				2090	2100	2160		Time-up (min)		
Frequency (MHz)										
10	QPSK	1	0	2340	2339	2349	24.0			
10	QPSK	1	25	2334	2338	2349				
10	QPSK	1	49	2340	2340	2351				
10	QPSK	25	0	2312	2312	2324	23.0			
10	QPSK	25	12	2313	2312	2325				
10	QPSK	25	26	2315	2313	2327				
10	QPSK	50	0	2315	2316	2326	23.0			
10	HQAM	1	0	2338	2343	2349				
10	HQAM	1	24	2333	2333	2347				
10	HQAM	1	49	2328	2339	2348	22.0			
10	HQAM	25	0	2216	2212	2222				
10	HQAM	25	12	2211	2214	2223				
10	HQAM	25	26	2214	2216	2226	22.0			
10	HQAM	50	0	2214	2214	2227				
10	HQAM	1	0	2231	2231	2244				
10	HQAM	1	25	2223	2234	2230	21.0			
10	HQAM	1	49	2231	2231	2243				
10	HQAM	25	0	2112	2114	2122				
10	HQAM	25	12	2113	2115	2124	19.0			
10	HQAM	25	26	2115	2114	2125				
10	HQAM	50	0	2115	2119	2128				
10	SSBQAM	1	0	1925	1926	1926	19.0			
10	SSBQAM	1	25	1922	1913	1916				
10	SSBQAM	1	49	1912	1927	1927				
10	SSBQAM	25	0	1921	1910	1906	19.0			
10	SSBQAM	25	12	1918	1914	1923				
10	SSBQAM	25	26	1919	1921	1929				
10	SSBQAM	50	0	1920	1919	1928	19.0			
Channel				2077.5	2100	2162.5		Time-up (min)		
Frequency (MHz)										
5	QPSK	1	0	2341	2339	2351	24.0			
5	QPSK	1	12	2350	2345	2354				
5	QPSK	1	24	2339	2340	2352				
5	QPSK	10	0	2313	2313	2324	23.0			
5	QPSK	12	7	2313	2315	2324				
5	QPSK	12	13	2313	2313	2326				
5	QPSK	20	0	2314	2313	2327	23.0			
5	HQAM	1	0	2334	2340	2349				
5	HQAM	1	12	2339	2350	2351				
5	HQAM	1	24	2334	2340	2345	22.0			
5	HQAM	12	0	2214	2217	2228				
5	HQAM	12	13	2211	2216	2232				
5	HQAM	12	13	2215	2215	2231	22.0			
5	HQAM	25	0	2214	2214	2225				
5	HQAM	1	0	2225	2228	2242				
5	HQAM	1	12	2232	2239	2248	21.0			
5	HQAM	11	24	2227	2220	2239				
5	HQAM	12	0	2115	2119	2128				
5	HQAM	12	7	2120	2120	2130	19.0			
5	HQAM	12	13	2117	2117	2121				
5	HQAM	25	0	2115	2118	2126				
5	SSBQAM	1	0	1931	1928	1928	19.0			
5	SSBQAM	1	12	1915	1922	1920				
5	SSBQAM	1	24	1920	1916	1911				
5	SSBQAM	12	0	1919	1928	1927	19.0			
5	SSBQAM	12	13	1918	1926	1923				
5	SSBQAM	12	13	1911	1926	1922				
5	SSBQAM	22	0	1915	1910	1923	19.0			







Band 30_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Time-up (min)
Channel							
Frequency (MHz)							
10	QPSK	1	0	2210			
10	QPSK	1	25	2215			23.7
10	QPSK	1	49	2215			
10	QPSK	25	0	2087			
10	QPSK	25	12	2085			21.0
10	QPSK	25	25	2086			
10	QPSK	50	0	2086			
10	16QAM	1	0	2237			23.7
10	16QAM	1	25	2248			
10	16QAM	1	49	2245			
10	16QAM	25	0	2072			
10	16QAM	25	12	2071			21.7
10	16QAM	25	25	2072			
10	16QAM	50	0	2072			
10	16QAM	1	0	2191			
10	16QAM	1	25	2196			23.7
10	16QAM	1	49	2190			
10	16QAM	25	0	2071			
10	16QAM	25	12	2072			21.7
10	16QAM	25	25	2072			
10	16QAM	50	0	2072			
10	256QAM	1	0	1919			
10	256QAM	1	25	1894			19.7
10	256QAM	1	49	1898			
10	256QAM	25	0	1896			
10	256QAM	25	12	1894			19.7
10	256QAM	25	25	1893			
10	256QAM	50	0	1898			
Channel							
Frequency (MHz)							
5	QPSK	1	0	2205	2210	2215	
5	QPSK	1	0	2215	2215	2212	23.7
5	QPSK	1	24	2216	2216	2210	
5	QPSK	1	24	2215	2214	2209	
5	QPSK	12	0	2088	2089	2088	
5	QPSK	12	0	2070	2071	2087	21.0
5	QPSK	12	12	2070	2071	2087	
5	QPSK	25	0	2087	2086	2082	
5	16QAM	1	0	2245	2255	2250	23.7
5	16QAM	1	12	2249	2258	2251	
5	16QAM	1	24	2250	2248	2249	
5	16QAM	12	0	2073	2077	2076	
5	16QAM	12	7	2077	2077	2076	21.7
5	16QAM	12	13	2071	2076	2076	
5	16QAM	25	0	2072	2059	2059	
5	16QAM	1	0	2184	2186	2190	23.7
5	16QAM	1	24	2195	2193	2196	
5	16QAM	1	24	2196	2184	2181	
5	16QAM	12	0	2072	2077	2076	
5	16QAM	12	7	2075	2079	2075	21.7
5	16QAM	12	13	2078	2080	2073	
5	16QAM	25	0	2072	2070	2088	
5	256QAM	1	0	1912	1911	1915	19.7
5	256QAM	1	12	1898	1897	1890	
5	256QAM	1	24	1895	1896	1894	
5	256QAM	12	0	1902	1902	1905	
5	256QAM	12	7	1892	1888	1893	19.7
5	256QAM	12	13	1881	1880	1882	
5	256QAM	25	0	1894	1890	1892	





Band 38 PC3_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Take-up time (dBm)		
Channel				7850	38000	38500			
Frequency (MHz)				2910	2960	3010			
20	QPSK	1	0	24.52	24.53	24.43			
20	QPSK	1	49	24.49	24.48	24.38		25.4	
20	QPSK	1	99	24.51	24.42	24.37			
20	QPSK	50	0	23.55	23.57	23.47			24.4
20	QPSK	50	24	23.54	23.45	23.40			
20	QPSK	50	50	23.53	23.55	23.40			
20	QPSK	100	0	23.53	23.54	23.41			
20	16QAM	1	0	23.58	23.60	23.50			24.4
20	16QAM	1	49	23.51	23.50	23.40			
20	16QAM	1	99	23.59	23.50	23.46			
20	16QAM	50	0	22.57	22.60	22.46			23.4
20	16QAM	50	24	22.57	22.61	22.50			
20	16QAM	50	50	22.51	22.54	22.45			
20	16QAM	100	0	22.60	22.59	22.45			
20	64QAM	1	0	22.52	22.51	22.25			23.4
20	64QAM	1	49	22.48	22.44	22.15			
20	64QAM	1	99	22.53	22.48	22.14			
20	64QAM	50	0	21.66	21.66	21.46			22.4
20	64QAM	50	24	21.59	21.51	21.49			
20	64QAM	50	50	21.58	21.58	21.48			
20	64QAM	100	0	21.59	21.58	21.48			
20	256QAM	1	0	19.31	19.43	19.46			20.4
20	256QAM	1	49	19.20	19.27	19.16			
20	256QAM	1	99	19.19	19.24	19.08			
20	256QAM	50	0	19.59	19.67	19.56			20.4
20	256QAM	50	24	19.59	19.64	19.51			
20	256QAM	50	50	19.54	19.59	19.47			
20	256QAM	100	0	19.50	19.50	19.46			
Channel				3170	3000	3050			
Frequency (MHz)				2073.0	2091	2123.0			
15	QPSK	1	0	24.52	24.51	24.52			25.4
15	QPSK	1	37	24.47	24.43	24.42			
15	QPSK	1	74	24.50	24.49	24.42			
15	QPSK	36	0	23.61	23.64	23.51			24.4
15	QPSK	36	20	23.59	23.55	23.49			
15	QPSK	36	39	23.60	23.55	23.50			
15	QPSK	75	0	23.59	23.57	23.49			
15	16QAM	1	0	23.69	23.61	23.65			24.4
15	16QAM	1	37	23.68	23.64	23.54			
15	16QAM	1	74	23.68	23.57	23.60			
15	16QAM	36	0	22.62	22.54	22.48			23.4
15	16QAM	36	20	22.58	22.52	22.48			
15	16QAM	36	39	22.60	22.54	22.47			
15	16QAM	75	0	22.64	22.60	22.53			
15	64QAM	1	0	22.47	22.34	22.29			23.4
15	64QAM	1	37	22.32	22.28	22.28			
15	64QAM	1	74	22.48	22.31	22.28			
15	64QAM	36	0	21.67	21.61	21.54			22.4
15	64QAM	36	20	21.64	21.57	21.50			
15	64QAM	36	39	21.66	21.59	21.50			
15	64QAM	75	0	21.63	21.58	21.52			
15	256QAM	1	0	19.24	19.24	19.24			20.4
15	256QAM	1	37	19.12	19.21	19.13			
15	256QAM	1	74	19.17	19.14	19.01			
15	256QAM	36	0	19.52	19.62	19.50			20.4
15	256QAM	36	20	19.51	19.62	19.47			
15	256QAM	36	39	19.48	19.53	19.39			
15	256QAM	75	0	19.49	19.53	19.49			
Channel				3780	38000	38500			
Frequency (MHz)				2910	2960	3010			
10	QPSK	1	0	24.52	24.50	24.51			25.4
10	QPSK	1	25	24.51	24.46	24.36			
10	QPSK	1	49	24.51	24.40	24.47			
10	QPSK	25	0	23.60	23.58	23.50			24.4
10	QPSK	25	12	23.57	23.56	23.50			
10	QPSK	25	26	23.59	23.50	23.50			
10	QPSK	50	0	23.59	23.64	23.54			
10	16QAM	1	0	23.62	23.61	23.56			24.4
10	16QAM	1	26	23.58	23.54	23.46			
10	16QAM	1	49	23.64	23.61	23.53			
10	16QAM	25	0	22.64	22.61	22.52			23.4
10	16QAM	25	12	22.62	22.67	22.52			
10	16QAM	25	26	22.63	22.64	22.51			
10	16QAM	50	0	22.64	22.55	22.56			
10	64QAM	1	0	22.40	22.49	22.30			23.4
10	64QAM	1	26	22.32	22.41	22.31			
10	64QAM	1	49	22.36	22.35	22.22			
10	64QAM	25	0	21.60	21.60	21.51			22.4
10	64QAM	25	12	21.62	21.60	21.51			
10	64QAM	25	26	21.62	21.60	21.50			
10	64QAM	50	0	21.56	21.61	21.54			
10	256QAM	1	0	19.30	19.38	19.38			20.4
10	256QAM	1	25	19.17	19.19	19.11			
10	256QAM	1	49	19.10	19.20	19.03			
10	256QAM	25	0	19.50	19.63	19.54			20.4
10	256QAM	25	12	19.53	19.56	19.49			
10	256QAM	25	26	19.48	19.57	19.42			
10	256QAM	50	0	19.49	19.48	19.44			
Channel				3970	3000	3050			
Frequency (MHz)				2972.0	2995	3017.0			
5	QPSK	1	0	24.52	24.50	24.49			25.4
5	QPSK	1	13	24.50	24.49	24.49			
5	QPSK	1	24	24.51	24.40	24.47			
5	QPSK	12	0	23.65	23.56	23.54			24.4
5	QPSK	12	13	23.63	23.51	23.57			
5	QPSK	12	13	23.64	23.59	23.53			
5	QPSK	25	0	23.62	23.58	23.55			
5	16QAM	1	0	23.79	23.72	23.68			24.4
5	16QAM	1	12	23.59	23.67	23.66			
5	16QAM	1	24	23.78	23.69	23.65			
5	16QAM	12	0	22.61	22.57	22.49			23.4
5	16QAM	12	7	22.59	22.54	22.50			
5	16QAM	12	13	22.63	22.55	22.47			
5	16QAM	25	0	22.66	22.62	22.55			23.4
5	64QAM	1	0	22.41	22.32	22.40			
5	64QAM	1	12	22.38	22.29	22.40			
5	64QAM	1	24	22.39	22.30	22.42			
5	64QAM	12	0	21.61	21.58	21.53			22.4
5	64QAM	12	7	21.60	21.61	21.57			
5	64QAM	12	13	21.61	21.60	21.52			
5	64QAM	25	0	21.67	21.64	21.58			
5	256QAM	1	0	19.30	19.35	19.45			20.4
5	256QAM	1	12	19.11	19.18	19.13			
5	256QAM	1	24	19.09	19.24	19.03			
5	256QAM	12	0	19.59	19.67	19.52			20.4
5	256QAM	12	13	19.57	19.52	19.45			
5	256QAM	12	13	19.44	19.59	19.40			
5	256QAM	25	0	19.47	19.50	19.44			



Band 38 PC2_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Take-up time (dBm)		
Channel				3800	3800	3800			
Frequency (MHz)				2610	2610	2610			
20	QPSK	1	0	26.21	26.22	26.12			
20	QPSK	1	49	26.20	26.18	26.11			27.2
20	QPSK	1	99	26.12	26.08	26.04			
20	QPSK	50	0	25.24	25.25	25.08			
20	QPSK	50	24	25.23	25.14	25.07			27.2
20	QPSK	50	50	25.22	25.14	25.05			
20	QPSK	100	0	25.24	25.18	25.09			
20	16QAM	1	0	25.84	25.89	25.43			
20	16QAM	1	49	25.53	25.48	25.36			27.2
20	16QAM	1	99	25.57	25.49	25.37			
20	16QAM	50	0	24.98	24.97	24.94			
20	16QAM	50	24	24.27	24.19	24.06			27.2
20	16QAM	50	50	24.53	24.33	24.05			
20	16QAM	100	0	24.31	24.23	24.11			
20	64QAM	1	0	24.85	24.54	24.33			
20	64QAM	1	49	24.54	24.44	24.38			27.2
20	64QAM	1	99	24.49	24.40	24.28			
20	64QAM	50	0	23.57	23.52	23.42			
20	64QAM	50	24	23.30	23.19	23.07			27.2
20	64QAM	50	50	23.28	23.17	23.07			
20	64QAM	100	0	23.30	23.22	23.12			
20	256QAM	1	0	21.35	21.31	21.43			
20	256QAM	1	49	21.25	21.22	21.27			27.2
20	256QAM	1	99	21.22	21.15	21.21			
20	256QAM	50	0	21.40	21.30	21.28			
20	256QAM	50	24	21.36	21.27	21.25			27.2
20	256QAM	50	50	21.34	21.24	21.18			
20	256QAM	100	0	21.33	21.23	21.16			
Channel				3770	3770	3770	Take-up time (dBm)		
Frequency (MHz)				2673	2673	2673			
15	QPSK	1	0	26.12	26.18	26.05			
15	QPSK	1	39	26.10	26.11	26.04			27.2
15	QPSK	1	74	26.11	26.08	26.09			
15	QPSK	36	0	25.28	25.24	25.15			
15	QPSK	36	20	25.27	25.19	25.15			27.2
15	QPSK	36	39	25.29	25.20	25.15			
15	QPSK	75	0	25.30	25.19	25.14			
15	16QAM	1	0	25.62	25.38	25.34			
15	16QAM	1	39	25.61	25.39	25.36			27.2
15	16QAM	1	74	25.58	25.33	25.28			
15	16QAM	36	0	24.30	24.18	24.12			
15	16QAM	36	20	24.29	24.20	24.13			27.2
15	16QAM	36	39	24.31	24.20	24.12			
15	16QAM	75	0	24.36	24.23	24.19			
15	64QAM	1	0	24.55	24.49	24.13			
15	64QAM	1	39	24.33	24.28	24.22			27.2
15	64QAM	1	74	24.55	24.47	24.11			
15	64QAM	36	0	23.38	23.24	23.16			
15	64QAM	36	20	23.34	23.21	23.16			27.2
15	64QAM	36	39	23.34	23.22	23.14			
15	64QAM	75	0	23.35	23.22	23.18			
15	256QAM	1	0	21.32	21.25	21.24			
15	256QAM	1	39	21.10	21.21	21.17			27.2
15	256QAM	1	74	21.21	21.13	21.20			
15	256QAM	36	0	21.34	21.25	21.24			
15	256QAM	36	20	21.32	21.28	21.17			27.2
15	256QAM	36	39	21.24	21.14	21.11			
15	256QAM	75	0	21.24	21.17	21.15			
Channel				3780	3800	3800	Take-up time (dBm)		
Frequency (MHz)				2618	2618	2612			
10	QPSK	1	0	26.18	26.18	26.12			
10	QPSK	1	25	26.18	26.17	26.11			27.2
10	QPSK	1	49	26.17	26.13	26.05			
10	QPSK	25	0	25.33	25.25	25.17			
10	QPSK	25	10	25.33	25.29	25.18			27.2
10	QPSK	25	25	25.35	25.27	25.17			
10	QPSK	50	0	25.38	25.29	25.19			
10	16QAM	1	0	25.58	25.24	25.24			
10	16QAM	1	25	25.28	25.18	25.04			27.2
10	16QAM	1	49	25.52	25.22	25.31			
10	16QAM	25	0	24.42	24.30	24.27			
10	16QAM	25	10	24.44	24.31	24.28			27.2
10	16QAM	25	25	24.47	24.36	24.28			
10	16QAM	50	0	24.42	24.32	24.18			
10	64QAM	1	0	24.53	24.53	24.40			
10	64QAM	1	25	24.60	24.48	24.35			27.2
10	64QAM	1	49	24.61	24.48	24.31			
10	64QAM	25	0	23.44	23.26	23.17			
10	64QAM	25	10	23.38	23.28	23.19			27.2
10	64QAM	25	25	23.39	23.27	23.18			
10	64QAM	50	0	23.59	23.28	23.17			
10	256QAM	1	0	21.30	21.28	21.40			
10	256QAM	1	25	21.17	21.22	21.26			27.2
10	256QAM	1	49	21.17	21.08	21.15			
10	256QAM	25	0	21.35	21.28	21.25			
10	256QAM	25	10	21.27	21.25	21.18			27.2
10	256QAM	25	25	21.32	21.14	21.09			
10	256QAM	50	0	21.33	21.21	21.10			
Channel				3773	3595	3595	Take-up time (dBm)		
Frequency (MHz)				2673	2673	2673			
5	QPSK	1	0	26.19	26.17	26.15			
5	QPSK	1	12	26.17	26.13	26.17			27.2
5	QPSK	1	24	26.20	26.10	26.12			
5	QPSK	12	0	25.52	25.22	25.16			
5	QPSK	12	12	25.35	25.24	25.17			27.2
5	QPSK	12	13	25.33	25.25	25.17			
5	QPSK	25	0	25.52	25.25	25.20			
5	16QAM	1	0	25.62	25.40	25.23			
5	16QAM	1	12	25.41	25.38	25.24			27.2
5	16QAM	1	24	25.46	25.35	25.26			
5	16QAM	12	0	24.33	24.23	24.17			
5	16QAM	12	7	24.35	24.22	24.15			27.2
5	16QAM	12	13	24.33	24.17	24.12			
5	16QAM	25	0	24.38	24.26	24.25			
5	64QAM	1	0	24.43	24.29	24.25			
5	64QAM	1	12	24.43	24.17	24.04			27.2
5	64QAM	1	24	24.43	24.32	24.24			
5	64QAM	12	0	23.35	23.21	23.13			
5	64QAM	12	7	23.30	23.22	23.14			27.2
5	64QAM	12	13	23.33	23.25	23.16			
5	64QAM	25	0	23.30	23.29	23.28			
5	256QAM	1	0	21.31	21.26	21.36			
5	256QAM	1	12	21.19	21.12	21.27			27.2
5	256QAM	1	24	21.20	21.12	21.17			
5	256QAM	12	0	21.31	21.21	21.21			
5	256QAM	12	7	21.34	21.23	21.13			27.2
5	256QAM	12	13	21.34	21.24	21.13			
5	256QAM	25	0	21.27	21.23	21.07			









Band 38 PC3_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Take-up level (dBm)	
Channel				7980	8000	8050		
Frequency (MHz)				2015	2025	2015		
20	QPSK	1	0	22.00	21.95	21.89		
20	QPSK	1	49	22.09	21.90	21.83	22.6	
20	QPSK	1	99	22.00	21.90	21.85		
20	QPSK	50	0	22.08	21.90	21.92		
20	QPSK	50	24	22.07	21.87	21.84	22.6	
20	QPSK	50	50	22.05	21.95	21.90		
20	QPSK	100	0	22.07	21.87	21.92		
20	TB3AM	1	0	22.10	22.01	22.01		
20	TB3AM	1	49	22.04	21.95	21.94	22.6	
20	TB3AM	1	99	22.10	21.90	21.96		
20	TB3AM	50	0	22.05	22.00	21.94		
20	TB3AM	50	24	22.04	21.89	21.93	22.6	
20	TB3AM	50	50	22.04	21.97	21.92		
20	TB3AM	100	0	22.05	21.99	21.95		
20	E4QAM	1	0	21.89	21.85	21.77	22.6	
20	E4QAM	1	49	21.87	21.81	21.74		
20	E4QAM	1	99	21.91	21.82	21.77		
20	E4QAM	50	0	21.44	21.39	21.35		
20	E4QAM	50	24	21.45	21.39	21.35	22.1	
20	E4QAM	50	50	21.44	21.37	21.33		
20	E4QAM	100	0	21.45	21.37	21.30		
20	E5QAM	1	0	19.25	19.41	19.46	20.1	
20	E5QAM	1	49	19.16	19.22	19.15		
20	E5QAM	1	99	19.13	19.24	19.17		
20	E5QAM	50	0	19.51	19.61	19.50		
20	E5QAM	50	24	19.56	19.69	19.66	20.1	
20	E5QAM	50	50	19.43	19.51	19.42		
20	E5QAM	100	0	19.48	19.51	19.36		
Channel								
Frequency (MHz)				2072.5	2091	2072.5		
15	QPSK	1	0	21.81	21.87	21.83	22.6	
15	QPSK	1	37	21.93	21.84	21.79		
15	QPSK	1	74	21.84	21.83	21.79		
15	QPSK	36	0	22.05	21.91	21.85	22.6	
15	QPSK	36	20	21.90	21.88	21.87		
15	QPSK	36	39	22.09	21.94	21.89		
15	QPSK	75	0	22.03	21.91	21.86		
15	TB3AM	1	0	22.05	21.94	21.95	22.6	
15	TB3AM	1	37	21.90	21.84	21.84		
15	TB3AM	1	74	22.00	21.90	21.91		
15	TB3AM	36	0	22.04	21.97	21.90	22.6	
15	TB3AM	36	20	21.92	21.94	21.84		
15	TB3AM	36	39	21.98	21.89	21.85		
15	TB3AM	75	0	22.04	21.97	21.90		
15	E4QAM	1	0	21.84	21.84	21.71	22.6	
15	E4QAM	1	37	21.81	21.79	21.84		
15	E4QAM	1	74	21.86	21.78	21.75		
15	E4QAM	36	0	21.32	21.30	21.25	22.1	
15	E4QAM	36	20	21.43	21.34	21.28		
15	E4QAM	36	39	21.38	21.27	21.22		
15	E4QAM	75	0	21.40	21.27	21.30		
15	E5QAM	1	0	19.17	19.24	19.24	20.1	
15	E5QAM	1	37	19.12	19.25	19.05		
15	E5QAM	1	74	19.11	19.22	19.00		
15	E5QAM	36	0	19.44	19.28	19.41	20.1	
15	E5QAM	36	20	19.53	19.55	19.46		
15	E5QAM	36	39	19.42	19.41	19.32		
15	E5QAM	75	0	19.44	19.46	19.28		
Channel								
Frequency (MHz)				7980	8000	8050		
10	QPSK	1	0	21.90	21.95	21.84	22.6	
10	QPSK	1	25	21.99	21.84	21.89		
10	QPSK	1	49	21.90	21.87	21.77		
10	QPSK	25	0	22.01	21.92	21.90	22.6	
10	QPSK	25	12	22.07	21.90	21.84		
10	QPSK	25	25	21.95	21.94	21.87		
10	QPSK	50	0	22.04	21.91	21.88	22.6	
10	TB3AM	1	0	22.04	21.95	22.01		
10	TB3AM	1	25	22.02	21.93	21.88	22.6	
10	TB3AM	1	49	22.03	21.88	21.86		
10	TB3AM	25	0	22.03	21.92	21.90		
10	TB3AM	25	12	22.00	21.90	21.90	22.6	
10	TB3AM	25	25	22.02	21.86	21.86		
10	TB3AM	50	0	21.95	21.92	21.92		
10	E4QAM	1	0	21.89	21.75	21.76	22.6	
10	E4QAM	1	25	21.77	21.81	21.87		
10	E4QAM	1	49	21.81	21.73	21.68		
10	E4QAM	25	0	21.44	21.37	21.33	22.1	
10	E4QAM	25	12	21.48	21.36	21.27		
10	E4QAM	25	25	21.37	21.37	21.23		
10	E4QAM	50	0	21.59	21.31	21.31		
10	E5QAM	1	0	19.20	19.37	19.43	20.1	
10	E5QAM	1	25	19.09	19.22	19.06		
10	E5QAM	1	49	19.04	19.24	19.08		
10	E5QAM	25	0	19.50	19.61	19.43	20.1	
10	E5QAM	25	12	19.39	19.46	19.41		
10	E5QAM	25	25	19.46	19.63	19.42		
10	E5QAM	50	0	19.47	19.43	19.34		
Channel								
Frequency (MHz)				2072.5	2095	2072.5		
5	QPSK	1	0	21.98	21.94	21.87	22.6	
5	QPSK	1	12	21.94	21.92	21.77		
5	QPSK	1	24	21.84	21.91	21.75		
5	QPSK	12	0	22.04	21.92	21.92	22.6	
5	QPSK	12	6	22.05	21.92	21.90		
5	QPSK	12	13	21.97	21.90	21.88		
5	QPSK	25	0	22.03	21.88	21.90	22.6	
5	TB3AM	1	0	22.07	21.92	21.83		
5	TB3AM	1	12	22.02	21.92	21.91	22.6	
5	TB3AM	1	24	22.02	21.95	21.90		
5	TB3AM	12	0	21.96	21.92	21.89	22.6	
5	TB3AM	12	6	22.00	21.88	21.86		
5	TB3AM	12	13	22.00	21.95	21.86		
5	TB3AM	25	0	21.96	21.97	21.91		
5	E4QAM	1	0	21.79	21.79	21.72	22.6	
5	E4QAM	1	12	21.83	21.71	21.84		
5	E4QAM	1	24	21.86	21.81	21.70		
5	E4QAM	12	0	21.40	21.32	21.28	22.1	
5	E4QAM	12	6	21.39	21.30	21.30		
5	E4QAM	12	13	21.59	21.30	21.30		
5	E4QAM	25	0	21.40	21.30	21.30		
5	E5QAM	1	0	19.19	19.40	19.45	20.1	
5	E5QAM	1	12	19.12	19.21	19.07		
5	E5QAM	1	24	19.08	19.22	19.01		
5	E5QAM	12	0	19.51	19.59	19.40	20.1	
5	E5QAM	12	6	19.45	19.52	19.39		
5	E5QAM	12	13	19.39	19.47	19.35		
5	E5QAM	25	0	19.40	19.43	19.33		





Band 38 PC2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Take-up (dBm)		
Channel				18900	18900	18950			
Frequency (MHz)				2077.5	2077.5	2077.5			
20	QPSK	1	0	23.59	23.57	23.48			
20	QPSK	1	49	23.61	23.54	23.41			24.2
20	QPSK	1	99	23.59	23.51	23.42			
20	QPSK	50	0	23.44	23.38	23.34			
20	QPSK	50	24	23.46	23.39	23.35			24.2
20	QPSK	50	50	23.44	23.37	23.27			
20	QPSK	100	0	23.45	23.39	23.32			
20	16QAM	1	0	23.71	23.66	23.61			
20	16QAM	1	49	23.56	23.59	23.61			24.2
20	16QAM	1	99	23.68	23.67	23.59			
20	16QAM	50	0	23.48	23.50	23.51			
20	16QAM	50	24	23.44	23.39	23.33			24.2
20	16QAM	50	50	23.44	23.34	23.26			
20	16QAM	100	0	22.47	22.41	22.33			
20	64QAM	1	0	22.59	22.52	22.52			
20	64QAM	1	49	22.59	22.50	22.29			24.2
20	64QAM	1	99	22.57	22.38	22.51			
20	64QAM	50	0	21.48	21.48	21.38			
20	64QAM	50	24	21.41	21.36	21.33			24.2
20	64QAM	50	50	21.44	21.38	21.39			
20	64QAM	100	0	21.47	21.41	21.33			
20	256QAM	1	0	19.61	19.58	19.48			
20	256QAM	1	49	19.48	19.50	19.47			24.2
20	256QAM	1	99	19.39	19.39	19.39			
20	256QAM	50	0	19.48	19.50	19.45			
20	256QAM	50	24	19.42	19.31	19.45			24.2
20	256QAM	50	50	19.48	19.48	19.38			
20	256QAM	100	0	19.38	19.47	19.39			
Channel				18900	18900	18950			
Frequency (MHz)				2077.5	2077.5	2077.5			
15	QPSK	1	0	23.59	23.50	23.43			
15	QPSK	1	39	23.57	23.52	23.33			24.2
15	QPSK	1	74	23.57	23.50	23.36			
15	QPSK	36	0	23.44	23.38	23.34			
15	QPSK	36	20	23.44	23.30	23.33			24.2
15	QPSK	36	39	23.43	23.37	23.27			
15	QPSK	75	0	23.40	23.29	23.28			
15	16QAM	1	0	23.71	23.63	23.56			
15	16QAM	1	39	23.67	23.66	23.39			24.2
15	16QAM	1	74	23.64	23.53	23.52			
15	16QAM	36	0	22.36	22.27	22.27			
15	16QAM	36	20	22.38	22.29	22.32			24.2
15	16QAM	36	39	22.34	22.37	22.26			
15	16QAM	75	0	22.37	22.41	22.30			
15	64QAM	1	0	22.51	22.47	22.48			
15	64QAM	1	39	22.48	22.45	22.19			24.2
15	64QAM	1	74	22.47	22.38	22.46			
15	64QAM	36	0	21.39	21.30	21.27			
15	64QAM	36	20	21.37	21.34	21.28			24.2
15	64QAM	36	39	21.36	21.27	21.28			
15	64QAM	75	0	21.46	21.40	21.31			
15	256QAM	1	0	19.48	19.48	19.38			
15	256QAM	1	39	19.36	19.45	19.47			24.2
15	256QAM	1	74	19.28	19.29	19.33			
15	256QAM	36	0	19.41	19.51	19.41			
15	256QAM	36	20	19.38	19.53	19.43			24.2
15	256QAM	36	39	19.42	19.41	19.29			
15	256QAM	75	0	19.37	19.46	19.35			
Channel				18900	18900	18950			
Frequency (MHz)				2077.5	2077.5	2077.5			
10	QPSK	1	0	23.59	23.49	23.43			
10	QPSK	1	25	23.58	23.51	23.39			24.2
10	QPSK	1	49	23.56	23.49	23.40			
10	QPSK	25	0	23.44	23.33	23.32			
10	QPSK	25	12	23.38	23.31	23.26			24.2
10	QPSK	25	25	23.34	23.37	23.28			
10	QPSK	50	0	23.38	23.31	23.32			
10	16QAM	1	0	23.62	23.65	23.55			
10	16QAM	1	25	23.47	23.63	23.79			24.2
10	16QAM	1	49	23.60	23.66	23.58			
10	16QAM	25	0	22.37	22.39	22.24			
10	16QAM	25	12	22.34	22.38	22.31			24.2
10	16QAM	25	25	22.41	22.38	22.23			
10	16QAM	50	0	22.39	22.33	22.26			
10	64QAM	1	0	22.58	22.48	22.47			
10	64QAM	1	25	22.67	22.41	22.26			24.2
10	64QAM	1	49	22.51	22.38	22.42			
10	64QAM	25	0	21.41	21.36	21.22			
10	64QAM	25	12	21.38	21.37	21.29			24.2
10	64QAM	25	25	21.39	21.32	21.20			
10	64QAM	50	0	21.59	21.38	21.32			
10	256QAM	1	0	19.59	19.59	19.37			
10	256QAM	1	25	19.40	19.40	19.40			24.2
10	256QAM	1	49	19.33	19.38	19.29			
10	256QAM	25	0	19.42	19.48	19.38			
10	256QAM	25	12	19.39	19.45	19.40			24.2
10	256QAM	25	25	19.39	19.38	19.32			
10	256QAM	50	0	19.29	19.37	19.38			
Channel				18900	18900	18950			
Frequency (MHz)				2077.5	2077.5	2077.5			
5	QPSK	1	0	23.58	23.50	23.42			
5	QPSK	1	12	23.55	23.49	23.33			24.2
5	QPSK	1	24	23.57	23.40	23.39			
5	QPSK	12	0	23.56	23.24	23.27			
5	QPSK	12	12	23.42	23.35	23.31			24.2
5	QPSK	12	13	23.40	23.36	23.17			
5	QPSK	25	0	23.35	23.35	23.27			
5	16QAM	1	0	23.64	23.59	23.51			
5	16QAM	1	12	23.48	23.66	23.61			24.2
5	16QAM	1	24	23.68	23.50	23.51			
5	16QAM	12	0	22.38	22.31	22.23			
5	16QAM	12	12	22.37	22.34	22.31			24.2
5	16QAM	12	13	22.44	22.37	22.21			
5	16QAM	25	0	22.47	22.38	22.26			
5	64QAM	1	0	22.52	22.45	22.45			
5	64QAM	1	12	22.59	22.43	22.28			24.2
5	64QAM	1	24	22.54	22.28	22.47			
5	64QAM	12	0	21.36	21.34	21.22			
5	64QAM	12	12	21.37	21.39	21.24			24.2
5	64QAM	12	13	21.56	21.38	21.30			
5	64QAM	25	0	21.38	21.38	21.25			
5	256QAM	1	0	19.60	19.50	19.42			
5	256QAM	1	12	19.37	19.46	19.40			24.2
5	256QAM	1	24	19.27	19.29	19.33			
5	256QAM	12	0	19.36	19.48	19.35			
5	256QAM	12	12	19.35	19.42	19.38			24.2
5	256QAM	12	13	19.48	19.38	19.36			
5	256QAM	25	0	19.35	19.42	19.34			







Band 38 PC3_Ant 2										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Take-up level (dBm)			
Channel				3850	3800	3850				
Frequency (MHz)				2950	2950	2950				
20	QPSK	1	0	22.00	21.98	21.89	23.4			
20	QPSK	1	49	22.09	21.90	21.83				
20	QPSK	1	99	22.00	21.92	21.85				
20	QPSK	50	0	22.48	21.99	21.92	23.4			
20	QPSK	50	24	22.07	21.97	21.94				
20	QPSK	50	50	22.08	21.95	21.90				
20	QPSK	100	0	22.07	21.97	21.92	23.4			
20	16QAM	1	0	22.10	22.01	22.01				
20	16QAM	1	49	22.04	21.95	21.94				
20	16QAM	1	99	22.10	21.97	21.96	23.4			
20	16QAM	50	0	22.05	22.00	21.94				
20	16QAM	50	24	22.04	21.99	21.93				
20	16QAM	50	50	22.04	21.97	21.93	23.4			
20	16QAM	100	0	22.08	21.99	21.95				
20	64QAM	1	0	21.89	21.85	21.77				
20	64QAM	1	49	21.87	21.81	21.74	23.4			
20	64QAM	1	99	21.91	21.82	21.77				
20	64QAM	50	0	21.44	21.39	21.34				
20	64QAM	50	24	21.45	21.39	21.35	23.4			
20	64QAM	50	50	21.44	21.37	21.33				
20	64QAM	100	0	21.46	21.37	21.33				
20	256QAM	1	0	19.25	19.41	19.46	20.4			
20	256QAM	1	49	19.18	19.22	19.15				
20	256QAM	1	99	19.13	19.24	19.17				
20	256QAM	50	0	19.51	19.61	19.50	20.4			
20	256QAM	50	24	19.56	19.59	19.46				
20	256QAM	50	50	19.43	19.51	19.42				
20	256QAM	100	0	19.48	19.51	19.36	20.4			
Channel				3850	3800	3850				
Frequency (MHz)				2973.5	2973.5	2973.5				
15	QPSK	1	0	21.91	21.87	21.83	23.4			
15	QPSK	1	39	21.93	21.84	21.79				
15	QPSK	1	74	21.84	21.83	21.79				
15	QPSK	36	0	22.05	21.91	21.85	23.4			
15	QPSK	36	20	21.99	21.88	21.87				
15	QPSK	36	39	22.08	21.94	21.89				
15	QPSK	75	0	22.03	21.91	21.86	23.4			
15	QPSK	1	0	22.05	21.94	21.95				
15	16QAM	1	0	21.92	21.84	21.84				
15	16QAM	1	74	22.00	21.90	21.91	23.4			
15	16QAM	36	0	22.04	21.97	21.99				
15	16QAM	36	20	21.92	21.94	21.84				
15	16QAM	36	39	21.98	21.89	21.85	23.4			
15	16QAM	75	0	22.04	21.97	21.99				
15	64QAM	1	0	21.84	21.84	21.71				
15	64QAM	1	39	21.81	21.79	21.84	23.4			
15	64QAM	1	74	21.98	21.79	21.75				
15	64QAM	36	0	21.92	21.92	21.25				
15	64QAM	36	20	21.43	21.34	21.28	22.4			
15	64QAM	36	39	21.98	21.27	21.29				
15	64QAM	75	0	21.40	21.27	21.30				
15	256QAM	1	0	19.17	19.24	19.24	20.4			
15	256QAM	1	39	19.12	19.25	19.06				
15	256QAM	1	74	19.11	19.22	19.09				
15	256QAM	36	0	19.44	19.26	19.47	20.4			
15	256QAM	36	20	19.53	19.55	19.46				
15	256QAM	36	39	19.42	19.41	19.32				
15	256QAM	75	0	19.44	19.46	19.28	20.4			
Channel				3850	3800	3850				
Frequency (MHz)				2973.5	2973.5	2973.5				
10	QPSK	1	0	21.90	21.96	21.84	23.4			
10	QPSK	1	25	21.99	21.84	21.89				
10	QPSK	1	49	21.90	21.87	21.77				
10	QPSK	25	0	22.01	21.92	21.95	23.4			
10	QPSK	25	12	22.07	21.96	21.84				
10	QPSK	25	25	21.96	21.94	21.87				
10	QPSK	50	0	22.04	21.91	21.88	23.4			
10	16QAM	1	0	22.04	21.95	22.01				
10	16QAM	1	25	22.02	21.93	21.86				
10	16QAM	1	49	22.03	21.88	21.86	23.4			
10	16QAM	25	0	22.03	21.92	21.90				
10	16QAM	25	12	22.00	21.90	21.90				
10	16QAM	25	25	22.02	21.96	21.86	23.4			
10	16QAM	50	0	21.95	21.92	21.92				
10	64QAM	1	0	21.89	21.75	21.76		23.4		
10	64QAM	1	25	21.77	21.81	21.87				
10	64QAM	1	49	21.81	21.73	21.68				
10	64QAM	25	0	21.44	21.37	21.33	22.4			
10	64QAM	25	12	21.48	21.36	21.27				
10	64QAM	25	25	21.37	21.37	21.23				
10	64QAM	50	0	21.99	21.31	21.31	20.4			
10	256QAM	1	0	19.20	19.37	19.43				
10	256QAM	1	25	19.08	19.22	19.06				
10	256QAM	1	49	19.04	19.24	19.08	20.4			
10	256QAM	25	0	19.50	19.61	19.43				
10	256QAM	25	12	19.59	19.48	19.41				
10	256QAM	25	25	19.48	19.63	19.42	20.4			
10	256QAM	50	0	19.47	19.41	19.34				
Channel				3850	3800	3850				
Frequency (MHz)				2973.5	2973.5	2973.5				
5	QPSK	1	0	21.98	21.94	21.87	23.4			
5	QPSK	1	12	21.94	21.92	21.77				
5	QPSK	1	24	21.84	21.91	21.75				
5	QPSK	12	0	22.04	21.92	21.92	23.4			
5	QPSK	12	6	22.05	21.92	21.90				
5	QPSK	12	12	21.97	21.90	21.88				
5	QPSK	25	0	22.03	21.88	21.90	23.4			
5	16QAM	1	0	22.07	21.92	21.83				
5	16QAM	1	12	22.02	21.92	21.91				
5	16QAM	1	24	22.05	21.95	21.90	23.4			
5	16QAM	12	0	21.96	21.92	21.89				
5	16QAM	12	6	22.00	21.96	21.96				
5	16QAM	12	12	22.00	21.98	21.86	23.4			
5	16QAM	25	0	21.96	21.97	21.91				
5	64QAM	1	0	21.79	21.79	21.72				
5	64QAM	1	12	21.83	21.71	21.84	23.4			
5	64QAM	1	24	21.86	21.81	21.70				
5	64QAM	12	0	21.40	21.52	21.28				
5	64QAM	12	6	21.39	21.30	21.30	22.4			
5	64QAM	12	12	21.58	21.30	21.26				
5	64QAM	25	0	21.40	21.30	21.30				
5	256QAM	1	0	19.19	19.40	19.45	20.4			
5	256QAM	1	12	19.12	19.21	19.07				
5	256QAM	1	24	19.08	19.22	19.01				
5	256QAM	12	0	19.51	19.59	19.46	20.4			
5	256QAM	12	6	19.45	19.52	19.39				
5	256QAM	12	12	19.39	19.47	19.35				
5	256QAM	25	0	19.40	19.41	19.33	20.4			



Band 38 PC2_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Take-up time (dBm)		
Channel				7860	38000	38050			
Frequency (MHz)				2910	2920	2910			
20	QPSK	1	0	23.59	23.57	23.48	25		
20	QPSK	1	49	23.61	23.54	23.41			
20	QPSK	1	99	23.59	23.51	23.42			
20	QPSK	50	0	23.44	23.38	23.34			
20	QPSK	50	24	23.46	23.39	23.35	25		
20	QPSK	50	50	23.44	23.37	23.27			
20	QPSK	100	0	23.45	23.39	23.32			
20	QPSK	1	0	23.71	23.66	23.61			
20	16QAM	1	49	23.56	23.59	23.81	25		
20	16QAM	1	99	23.68	23.97	23.59			
20	16QAM	50	0	23.48	23.50	23.31			
20	16QAM	50	24	23.44	23.39	23.33			
20	16QAM	50	50	23.44	23.33	23.26	25		
20	16QAM	100	0	22.47	22.41	22.33			
20	64QAM	1	0	22.59	22.52	22.52			
20	64QAM	1	49	22.68	22.50	22.29			
20	64QAM	1	99	22.57	22.38	22.51	25		
20	64QAM	50	0	21.48	21.48	21.38			
20	64QAM	50	24	21.41	21.30	21.33			
20	64QAM	50	50	21.44	21.38	21.30			
20	64QAM	100	0	21.47	21.41	21.33	25		
20	256QAM	1	0	19.61	19.58	19.48			
20	256QAM	1	49	19.48	19.50	19.47			
20	256QAM	1	99	19.30	19.39	19.39			
20	256QAM	50	0	19.48	19.50	19.45	25		
20	256QAM	50	24	19.42	19.31	19.45			
20	256QAM	50	50	19.48	19.48	19.38			
20	256QAM	100	0	19.38	19.47	19.39			
Channel				3870	3900	3870			
Frequency (MHz)				2073.5	2091	2073.5			
15	QPSK	1	0	23.58	23.50	23.43	25		
15	QPSK	1	39	23.57	23.52	23.33			
15	QPSK	1	74	23.57	23.50	23.36			
15	QPSK	36	0	23.44	23.38	23.34			
15	QPSK	36	20	23.44	23.30	23.33	25		
15	QPSK	36	39	23.43	23.37	23.27			
15	QPSK	75	0	23.40	23.29	23.28			
15	16QAM	1	0	23.71	23.63	23.56			
15	16QAM	1	39	23.66	23.68	23.39	25		
15	16QAM	1	74	23.64	23.53	23.52			
15	16QAM	36	0	22.36	22.27	22.27			
15	16QAM	36	20	22.38	22.32	22.32			
15	16QAM	36	39	22.34	22.37	22.26	25		
15	16QAM	75	0	22.37	22.41	22.30			
15	64QAM	1	0	22.51	22.47	22.48			
15	64QAM	1	39	22.48	22.45	22.19			
15	64QAM	1	74	22.47	22.38	22.46	25		
15	64QAM	36	0	21.30	21.30	21.27			
15	64QAM	36	20	21.37	21.34	21.28			
15	64QAM	36	39	21.38	21.37	21.28			
15	64QAM	75	0	21.46	21.40	21.31	25		
15	256QAM	1	0	19.48	19.48	19.48			
15	256QAM	1	39	19.35	19.45	19.47			
15	256QAM	1	74	19.28	19.29	19.33			
15	256QAM	36	0	19.41	19.51	19.41	25		
15	256QAM	36	20	19.38	19.53	19.43			
15	256QAM	36	39	19.42	19.41	19.29			
15	256QAM	75	0	19.37	19.46	19.35			
Channel				7860	38000	38050			
Frequency (MHz)				2910	2920	2910			
10	QPSK	1	0	23.59	23.49	23.43	25		
10	QPSK	1	25	23.58	23.51	23.39			
10	QPSK	1	49	23.59	23.51	23.40			
10	QPSK	25	0	23.44	23.33	23.32			
10	QPSK	25	12	23.38	23.31	23.28	25		
10	QPSK	25	25	23.34	23.37	23.29			
10	QPSK	50	0	23.38	23.31	23.32			
10	16QAM	1	0	23.62	23.65	23.62			
10	16QAM	1	25	23.47	23.63	23.79	25		
10	16QAM	1	49	23.60	23.66	23.58			
10	16QAM	25	0	22.37	22.39	22.24			
10	16QAM	25	12	22.34	22.38	22.31			
10	16QAM	25	25	22.41	22.38	22.23	25		
10	16QAM	50	0	22.39	22.33	22.26			
10	64QAM	1	0	22.68	22.48	22.47			
10	64QAM	1	49	22.51	22.38	22.42			
10	64QAM	25	0	21.41	21.36	21.22	25		
10	64QAM	25	12	21.38	21.37	21.29			
10	64QAM	25	25	21.39	21.32	21.20			
10	64QAM	50	0	21.59	21.38	21.32			
10	256QAM	1	0	19.50	19.50	19.37	25		
10	256QAM	1	25	19.40	19.40	19.40			
10	256QAM	1	49	19.30	19.30	19.29			
10	256QAM	25	0	19.42	19.48	19.38			
10	256QAM	25	12	19.39	19.40	19.40	25		
10	256QAM	25	25	19.39	19.38	19.33			
10	256QAM	50	0	19.29	19.37	19.38			
10	256QAM	50	0	19.29	19.37	19.38			
Channel				3870	3900	3870			
Frequency (MHz)				2073.5	2091	2073.5			
5	QPSK	1	0	23.58	23.50	23.42	25		
5	QPSK	1	12	23.55	23.49	23.33			
5	QPSK	1	24	23.57	23.40	23.39			
5	QPSK	12	0	23.56	23.24	23.27			
5	QPSK	12	13	23.42	23.33	23.31	25		
5	QPSK	12	13	23.40	23.36	23.17			
5	QPSK	25	0	23.35	23.33	23.27			
5	16QAM	1	0	23.64	23.59	23.61			
5	16QAM	1	12	23.48	23.66	23.81	25		
5	16QAM	1	24	23.68	23.50	23.51			
5	16QAM	12	0	22.38	22.31	22.23			
5	16QAM	12	13	22.37	22.34	22.31			
5	16QAM	12	13	22.44	22.37	22.21	25		
5	16QAM	25	0	22.47	22.38	22.26			
5	64QAM	1	0	22.52	22.45	22.45			
5	64QAM	1	12	22.59	22.43	22.28			
5	64QAM	1	24	22.54	22.29	22.47	25		
5	64QAM	12	0	21.36	21.34	21.22			
5	64QAM	12	13	21.37	21.39	21.24			
5	64QAM	12	13	21.56	21.38	21.30			
5	64QAM	25	0	21.38	21.38	21.25	25		
5	256QAM	1	0	19.60	19.50	19.42			
5	256QAM	1	12	19.37	19.46	19.46			
5	256QAM	1	24	19.27	19.29	19.33			
5	256QAM	12	0	19.36	19.48	19.35	25		
5	256QAM	12	13	19.30	19.42	19.30			
5	256QAM	12	13	19.48	19.38	19.38			
5	256QAM	25	0	19.35	19.42	19.34			







Band 38 PC3_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Take-up level (dBm)		
Channel				3850	3800	3850			
Frequency (MHz)				2950	2950	2950			
20	QPSK	1	0	22.00	21.98	21.89	23.4		
20	QPSK	1	49	22.08	21.90	21.83			
20	QPSK	1	99	22.00	21.92	21.85			
20	QPSK	50	0	22.08	21.99	21.92	23.4		
20	QPSK	50	24	22.07	21.97	21.94			
20	QPSK	50	50	22.08	21.95	21.90			
20	QPSK	100	0	22.07	21.97	21.92	23.4		
20	16QAM	1	0	22.00	22.01	22.01			
20	16QAM	1	49	22.04	21.95	21.84			
20	16QAM	1	99	22.10	21.97	21.96	23.4		
20	16QAM	50	0	22.05	22.00	21.94			
20	16QAM	50	24	22.04	21.99	21.93			
20	16QAM	50	50	22.04	21.97	21.93	23.4		
20	16QAM	100	0	22.08	21.99	21.95			
20	64QAM	1	0	21.89	21.85	21.77			
20	64QAM	1	49	21.87	21.81	21.74	23.4		
20	64QAM	1	99	21.91	21.82	21.77			
20	64QAM	50	0	21.44	21.39	21.34			
20	64QAM	50	24	21.45	21.39	21.35	23.4		
20	64QAM	50	50	21.44	21.37	21.33			
20	64QAM	100	0	21.46	21.37	21.33			
20	256QAM	1	0	19.25	19.41	19.46	20.4		
20	256QAM	1	49	19.18	19.22	19.15			
20	256QAM	1	99	19.13	19.24	19.17			
20	256QAM	50	0	19.51	19.61	19.50	20.4		
20	256QAM	50	24	19.56	19.62	19.46			
20	256QAM	50	50	19.49	19.51	19.42			
20	256QAM	100	0	19.48	19.51	19.36			
Channel				3850	3800	3850			
Frequency (MHz)				2973.5	2991	2973.5			
15	QPSK	1	0	21.91	21.87	21.83	23.4		
15	QPSK	1	39	21.93	21.84	21.79			
15	QPSK	1	74	21.84	21.83	21.79			
15	QPSK	36	0	22.05	21.91	21.85	23.4		
15	QPSK	36	20	21.99	21.88	21.87			
15	QPSK	36	39	22.08	21.94	21.89			
15	QPSK	75	0	22.03	21.91	21.86	23.4		
15	QPSK	1	0	22.05	21.94	21.95			
15	16QAM	1	0	21.98	21.94	21.84			
15	16QAM	1	74	22.00	21.90	21.91	23.4		
15	16QAM	36	0	22.04	21.97	21.99			
15	16QAM	36	20	21.92	21.94	21.84			
15	16QAM	36	39	21.98	21.89	21.85	23.4		
15	16QAM	75	0	22.04	21.97	21.99			
15	64QAM	1	0	21.84	21.84	21.71			
15	64QAM	1	39	21.81	21.79	21.84	23.4		
15	64QAM	1	74	21.98	21.79	21.75			
15	64QAM	36	0	21.92	21.92	21.75			
15	64QAM	36	20	21.43	21.34	21.28	22.4		
15	64QAM	36	39	21.98	21.27	21.29			
15	64QAM	75	0	21.40	21.27	21.30			
15	256QAM	1	0	19.17	19.24	19.24	20.4		
15	256QAM	1	39	19.12	19.25	19.06			
15	256QAM	1	74	19.11	19.22	19.09			
15	256QAM	36	0	19.44	19.26	19.41	20.4		
15	256QAM	36	20	19.53	19.25	19.46			
15	256QAM	36	39	19.42	19.41	19.32			
15	256QAM	75	0	19.44	19.46	19.28			
Channel				3850	3800	3850			
Frequency (MHz)				3873.5	3800	3850			
10	QPSK	1	0	21.90	21.98	21.84	23.4		
10	QPSK	1	25	21.99	21.84	21.89			
10	QPSK	1	49	21.90	21.87	21.77			
10	QPSK	25	0	22.01	21.92	21.90	23.4		
10	QPSK	25	12	22.07	21.96	21.84			
10	QPSK	25	25	21.96	21.94	21.87			
10	QPSK	50	0	22.04	21.91	21.88	23.4		
10	16QAM	1	0	22.04	21.95	22.01			
10	16QAM	1	25	22.02	21.93	21.88			
10	16QAM	1	49	22.03	21.88	21.86	23.4		
10	16QAM	25	0	22.03	21.92	21.90			
10	16QAM	25	12	22.00	21.90	21.90			
10	16QAM	25	25	22.02	21.88	21.86	23.4		
10	16QAM	50	0	21.98	21.92	21.92			
10	64QAM	1	0	21.89	21.75	21.76		23.4	
10	64QAM	1	25	21.77	21.81	21.87			
10	64QAM	1	49	21.81	21.73	21.68			
10	64QAM	25	0	21.44	21.37	21.33	22.4		
10	64QAM	25	12	21.48	21.36	21.27			
10	64QAM	25	25	21.37	21.37	21.23			
10	64QAM	50	0	21.98	21.31	21.31	20.4		
10	256QAM	1	0	19.20	19.37	19.43			
10	256QAM	1	25	19.08	19.22	19.06			
10	256QAM	1	49	19.04	19.24	19.08	20.4		
10	256QAM	25	0	19.50	19.61	19.43			
10	256QAM	25	12	19.58	19.48	19.41			
10	256QAM	25	25	19.48	19.63	19.42	20.4		
10	256QAM	50	0	19.47	19.41	19.34			
Channel				3873.5	3800	3850			
Frequency (MHz)				3912.5	3905	3912.5			
5	QPSK	1	0	21.98	21.94	21.87	23.4		
5	QPSK	1	12	21.94	21.92	21.77			
5	QPSK	1	24	21.94	21.91	21.75			
5	QPSK	12	0	22.04	21.92	21.82	23.4		
5	QPSK	12	12	22.05	21.92	21.90			
5	QPSK	12	13	21.97	21.90	21.88			
5	QPSK	25	0	22.03	21.88	21.90	23.4		
5	16QAM	1	0	22.07	21.92	21.83			
5	16QAM	1	12	22.02	21.92	21.91			
5	16QAM	1	24	22.05	21.95	21.90	23.4		
5	16QAM	12	0	21.96	21.92	21.89			
5	16QAM	12	1	22.00	21.96	21.96			
5	16QAM	12	13	22.00	21.98	21.86	23.4		
5	16QAM	25	0	21.96	21.97	21.91			
5	64QAM	1	0	21.79	21.79	21.72			
5	64QAM	1	12	21.83	21.71	21.84	23.4		
5	64QAM	1	24	21.86	21.81	21.70			
5	64QAM	12	0	21.40	21.52	21.28			
5	64QAM	12	1	21.39	21.30	21.30	22.4		
5	64QAM	12	13	21.98	21.30	21.26			
5	64QAM	25	0	21.40	21.30	21.30			
5	256QAM	1	0	19.19	19.40	19.45	20.4		
5	256QAM	1	12	19.12	19.21	19.07			
5	256QAM	1	24	19.08	19.22	19.01			
5	256QAM	12	0	19.51	19.59	19.40	20.4		
5	256QAM	12	1	19.45	19.52	19.39			
5	256QAM	12	13	19.39	19.47	19.35			
5	256QAM	25	0	19.40	19.41	19.33			





Band 38 PC2_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Take-up time (dBm)		
Channel				7860	38000	38050			
Frequency (MHz)				2910	2920	2910			
20	QPSK	1	0	23.59	23.57	23.48			
20	QPSK	1	49	23.61	23.54	23.41	25		
20	QPSK	1	99	23.59	23.51	23.42			
20	QPSK	50	0	23.44	23.38	23.34			
20	QPSK	50	24	23.46	23.39	23.35	25		
20	QPSK	50	50	23.44	23.37	23.27			
20	QPSK	100	0	23.45	23.39	23.32			
20	16QAM	1	0	23.71	23.66	23.61			
20	16QAM	1	49	23.56	23.59	23.61	25		
20	16QAM	1	99	23.68	23.67	23.59			
20	16QAM	50	0	23.48	23.39	23.31			
20	16QAM	50	24	23.44	23.39	23.33	25		
20	16QAM	50	50	23.44	23.34	23.26			
20	16QAM	100	0	22.47	22.41	22.33			
20	64QAM	1	0	22.59	22.52	22.52			
20	64QAM	1	49	22.59	22.50	22.29	25		
20	64QAM	1	99	22.57	22.38	22.51			
20	64QAM	50	0	21.48	21.48	21.38			
20	64QAM	50	24	21.41	21.36	21.33	25		
20	64QAM	50	50	21.44	21.38	21.30			
20	64QAM	100	0	21.47	21.41	21.33			
20	256QAM	1	0	19.61	19.58	19.48			
20	256QAM	1	49	19.48	19.50	19.47	25		
20	256QAM	1	99	19.39	19.39	19.39			
20	256QAM	50	0	19.48	19.50	19.45			
20	256QAM	50	24	19.42	19.51	19.46	25		
20	256QAM	50	50	19.48	19.48	19.38			
20	256QAM	100	0	19.38	19.47	19.39			
Channel				7860	38000	38050			
Frequency (MHz)				2973.5	2971	2973.5			
15	QPSK	1	0	23.59	23.50	23.43			
15	QPSK	1	39	23.57	23.52	23.33	25		
15	QPSK	1	74	23.57	23.50	23.36			
15	QPSK	36	0	23.44	23.28	23.24			
15	QPSK	36	20	23.44	23.30	23.33	25		
15	QPSK	36	39	23.43	23.27	23.27			
15	QPSK	75	0	23.40	23.29	23.28			
15	16QAM	1	0	23.71	23.63	23.56			
15	16QAM	1	39	23.67	23.66	23.39	25		
15	16QAM	1	74	23.64	23.53	23.52			
15	16QAM	36	0	22.36	22.27	22.27			
15	16QAM	36	20	22.38	22.29	22.32	25		
15	16QAM	36	39	22.34	22.27	22.26			
15	16QAM	75	0	22.37	22.41	22.30			
15	64QAM	1	0	22.51	22.47	22.48			
15	64QAM	1	39	22.48	22.45	22.19	25		
15	64QAM	1	74	22.47	22.38	22.46			
15	64QAM	36	0	21.39	21.30	21.27			
15	64QAM	36	20	21.37	21.34	21.28	25		
15	64QAM	36	39	21.38	21.27	21.28			
15	64QAM	75	0	21.46	21.40	21.31			
15	256QAM	1	0	19.48	19.48	19.38			
15	256QAM	1	39	19.36	19.45	19.47	25		
15	256QAM	1	74	19.28	19.29	19.33			
15	256QAM	36	0	19.41	19.51	19.41			
15	256QAM	36	20	19.38	19.53	19.43	25		
15	256QAM	36	39	19.42	19.41	19.29			
15	256QAM	75	0	19.37	19.46	19.35			
Channel				7860	38000	38050			
Frequency (MHz)				2973.5	3000	2973.5			
10	QPSK	1	0	23.59	23.49	23.43			
10	QPSK	1	25	23.58	23.51	23.39	25		
10	QPSK	1	49	23.56	23.49	23.40			
10	QPSK	25	0	23.44	23.33	23.32			
10	QPSK	25	12	23.38	23.31	23.28	25		
10	QPSK	25	25	23.34	23.27	23.29			
10	QPSK	50	0	23.38	23.31	23.32			
10	16QAM	1	0	23.62	23.65	23.55			
10	16QAM	1	25	23.47	23.63	23.79	25		
10	16QAM	1	49	23.60	23.66	23.58			
10	16QAM	25	0	22.37	22.39	22.24			
10	16QAM	25	12	22.34	22.38	22.31	25		
10	16QAM	25	25	22.41	22.38	22.23			
10	16QAM	50	0	22.39	22.33	22.26			
10	64QAM	1	0	22.48	22.48	22.47			
10	64QAM	1	49	22.51	22.38	22.42	25		
10	64QAM	25	0	21.41	21.36	21.22			
10	64QAM	25	12	21.38	21.27	21.29	25		
10	64QAM	25	25	21.39	21.32	21.20			
10	64QAM	50	0	21.59	21.38	21.32			
10	256QAM	1	0	19.59	19.59	19.37			
10	256QAM	1	25	19.40	19.40	19.40	25		
10	256QAM	1	49	19.33	19.28	19.29			
10	256QAM	25	0	19.42	19.48	19.38			
10	256QAM	25	12	19.39	19.45	19.40	25		
10	256QAM	25	25	19.39	19.38	19.34			
10	256QAM	50	0	19.29	19.37	19.38			
Channel				3173.5	3000	3000			
Frequency (MHz)				2973.5	3000	2973.5			
5	QPSK	1	0	23.58	23.50	23.42			
5	QPSK	1	12	23.55	23.49	23.33	25		
5	QPSK	1	24	23.57	23.40	23.39			
5	QPSK	12	0	23.56	23.24	23.27			
5	QPSK	12	12	23.42	23.35	23.31	25		
5	QPSK	12	13	23.40	23.36	23.17			
5	QPSK	25	0	23.35	23.33	23.27			
5	16QAM	1	0	23.64	23.59	23.51			
5	16QAM	1	12	23.48	23.66	23.61	25		
5	16QAM	1	24	23.68	23.50	23.51			
5	16QAM	12	0	22.38	22.31	22.23			
5	16QAM	12	12	22.37	22.34	22.31	25		
5	16QAM	12	13	22.44	22.37	22.21			
5	16QAM	25	0	22.47	22.38	22.26			
5	64QAM	1	0	22.52	22.45	22.45			
5	64QAM	1	12	22.59	22.43	22.28	25		
5	64QAM	1	24	22.54	22.29	22.47			
5	64QAM	12	0	21.36	21.34	21.22			
5	64QAM	12	12	21.37	21.39	21.24	25		
5	64QAM	12	13	21.55	21.38	21.30			
5	64QAM	25	0	21.38	21.38	21.25			
5	256QAM	1	0	19.60	19.55	19.42			
5	256QAM	1	12	19.37	19.46	19.40	25		
5	256QAM	1	24	19.27	19.29	19.33			
5	256QAM	12	0	19.36	19.46	19.35			
5	256QAM	12	12	19.35	19.42	19.30	25		
5	256QAM	12	13	19.48	19.38	19.38			
5	256QAM	25	0	19.35	19.42	19.34			







Band 38 PC3_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.32	24.38	24.37	25.2
20	QPSK	1	49	24.20	24.26	24.29	
20	QPSK	1	99	24.21	24.24	24.24	
20	QPSK	50	0	23.36	23.48	23.47	24.2
20	QPSK	50	24	23.35	23.43	23.46	
20	QPSK	50	50	23.34	23.40	23.42	
20	QPSK	100	0	23.32	23.43	23.42	24.2
20	16QAM	1	0	23.35	23.40	23.35	
20	16QAM	1	49	23.28	23.31	23.28	
20	16QAM	1	99	23.30	23.27	23.27	23.2
20	16QAM	50	0	22.42	22.47	22.52	
20	16QAM	50	24	22.45	22.49	22.52	
20	16QAM	50	50	22.42	22.44	22.46	23.2
20	16QAM	100	0	22.41	22.47	22.46	
20	64QAM	1	0	22.37	22.22	22.28	
20	64QAM	1	49	22.34	22.17	22.24	23.2
20	64QAM	1	99	22.34	22.14	22.22	
20	64QAM	50	0	21.45	21.48	21.53	
20	64QAM	50	24	21.44	21.49	21.53	22.2
20	64QAM	50	50	21.42	21.45	21.47	
20	64QAM	100	0	21.41	21.46	21.46	
20	256QAM	1	0	19.25	19.20	19.40	20.2
20	256QAM	1	49	19.11	19.16	19.22	
20	256QAM	1	99	19.10	19.05	19.12	
20	256QAM	50	0	19.55	19.69	19.80	20.2
20	256QAM	50	24	19.56	19.66	19.73	
20	256QAM	50	50	19.50	19.61	19.68	
20	256QAM	100	0	19.45	19.58	19.68	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.36	24.37	24.33	25.2
15	QPSK	1	37	24.16	24.18	24.23	
15	QPSK	1	74	24.29	24.28	24.27	
15	QPSK	36	0	23.38	23.41	23.43	24.2
15	QPSK	36	20	23.38	23.38	23.41	
15	QPSK	36	39	23.36	23.37	23.39	
15	QPSK	75	0	23.28	23.36	23.41	24.2
15	16QAM	1	0	23.35	23.36	23.48	
15	16QAM	1	37	23.31	23.36	23.52	
15	16QAM	1	74	23.31	23.38	23.39	23.2
15	16QAM	36	0	22.35	22.41	22.40	
15	16QAM	36	20	22.35	22.39	22.38	
15	16QAM	36	39	22.34	22.39	22.37	23.2
15	16QAM	75	0	22.35	22.44	22.45	
15	64QAM	1	0	22.19	22.33	22.23	
15	64QAM	1	37	22.17	22.25	22.23	23.2
15	64QAM	1	74	22.18	22.29	22.15	
15	64QAM	36	0	21.42	21.49	21.46	
15	64QAM	36	20	21.42	21.46	21.45	22.2
15	64QAM	36	39	21.42	21.47	21.43	
15	64QAM	75	0	21.38	21.45	21.45	
15	256QAM	1	0	19.18	19.14	19.40	20.2
15	256QAM	1	37	19.07	19.08	19.20	
15	256QAM	1	74	19.05	19.01	19.04	
15	256QAM	36	0	19.52	19.58	19.74	20.2
15	256QAM	36	20	19.55	19.60	19.64	
15	256QAM	36	39	19.45	19.53	19.59	
15	256QAM	75	0	19.38	19.58	19.61	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.34	24.36	24.37	25.2
10	QPSK	1	25	24.22	24.24	24.19	
10	QPSK	1	49	24.27	24.30	24.31	
10	QPSK	25	0	23.32	23.39	23.42	24.2
10	QPSK	25	12	23.30	23.40	23.44	
10	QPSK	25	25	23.30	23.38	23.41	
10	QPSK	50	0	23.37	23.46	23.49	24.2
10	16QAM	1	0	23.36	23.30	23.38	
10	16QAM	1	25	23.24	23.22	23.32	
10	16QAM	1	49	23.30	23.27	23.33	23.2
10	16QAM	25	0	22.37	22.46	22.45	
10	16QAM	25	12	22.36	22.45	22.46	
10	16QAM	25	25	22.38	22.46	22.45	23.2
10	16QAM	50	0	22.41	22.50	22.51	
10	64QAM	1	0	22.21	22.20	22.15	
10	64QAM	1	25	22.18	22.13	22.06	23.2
10	64QAM	1	49	22.25	22.17	22.09	
10	64QAM	25	0	21.37	21.46	21.42	
10	64QAM	25	12	21.35	21.45	21.42	22.2
10	64QAM	25	25	21.37	21.44	21.40	
10	64QAM	50	0	21.38	21.48	21.49	
10	256QAM	1	0	19.08	19.12	19.31	20.2
10	256QAM	1	25	19.00	19.03	19.12	
10	256QAM	1	49	19.02	18.91	18.95	
10	256QAM	25	0	19.49	19.68	19.73	20.2
10	256QAM	25	12	19.54	19.51	19.62	
10	256QAM	25	25	19.38	19.49	19.56	
10	256QAM	50	0	19.32	19.50	19.58	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.22	24.35	24.35	25.2
5	QPSK	1	12	24.19	24.32	24.37	
5	QPSK	1	24	24.19	24.31	24.30	
5	QPSK	12	0	23.33	23.46	23.44	24.2
5	QPSK	12	7	23.31	23.45	23.49	
5	QPSK	12	13	23.32	23.45	23.43	
5	QPSK	25	0	23.31	23.42	23.45	24.2
5	16QAM	1	0	23.32	23.34	23.46	
5	16QAM	1	12	23.27	23.37	23.48	
5	16QAM	1	24	23.31	23.35	23.48	23.2
5	16QAM	12	0	22.30	22.40	22.34	
5	16QAM	12	7	22.31	22.44	22.38	
5	16QAM	12	13	22.33	22.41	22.38	23.2
5	16QAM	25	0	22.39	22.47	22.48	
5	64QAM	1	0	22.11	22.35	22.18	
5	64QAM	1	12	21.99	22.31	22.20	23.2
5	64QAM	1	24	22.09	22.30	22.13	
5	64QAM	12	0	21.37	21.48	21.44	
5	64QAM	12	7	21.36	21.48	21.49	22.2
5	64QAM	12	13	21.36	21.47	21.44	
5	64QAM	25	0	21.37	21.48	21.48	
5	256QAM	1	0	19.13	19.13	19.38	20.2
5	256QAM	1	12	19.03	19.05	19.14	
5	256QAM	1	24	18.99	18.97	18.94	
5	256QAM	12	0	19.44	19.60	19.66	20.2
5	256QAM	12	7	19.51	19.57	19.63	
5	256QAM	12	13	19.39	19.44	19.51	
5	256QAM	25	0	19.33	19.55	19.61	



Band 38 PC2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	26.06	26.07	26.05	27.2
20	QPSK	1	49	25.85	25.96	25.98	
20	QPSK	1	99	25.82	25.87	25.94	
20	QPSK	50	0	25.04	25.17	25.16	27.2
20	QPSK	50	24	25.03	25.11	25.15	
20	QPSK	50	50	25.02	25.09	25.14	
20	QPSK	100	0	25.04	25.14	25.13	27.2
20	16QAM	1	0	24.71	24.92	24.91	
20	16QAM	1	49	24.56	24.64	24.61	
20	16QAM	1	99	24.65	24.67	24.66	27.2
20	16QAM	50	0	24.06	24.11	24.17	
20	16QAM	50	24	24.06	24.13	24.16	
20	16QAM	50	50	24.04	24.08	24.12	27.2
20	16QAM	100	0	24.13	24.18	24.25	
20	64QAM	1	0	24.17	24.25	24.21	
20	64QAM	1	49	24.25	24.28	24.23	27.2
20	64QAM	1	99	24.11	24.15	24.09	
20	64QAM	50	0	23.09	23.15	23.19	
20	64QAM	50	24	23.11	23.18	23.20	27.2
20	64QAM	50	50	23.08	23.14	23.17	
20	64QAM	100	0	23.09	23.16	23.21	
20	256QAM	1	0	21.48	21.72	21.63	27.2
20	256QAM	1	49	21.46	21.45	21.57	
20	256QAM	1	99	21.40	21.43	21.45	
20	256QAM	50	0	21.47	21.59	21.67	27.2
20	256QAM	50	24	21.45	21.55	21.63	
20	256QAM	50	50	21.42	21.44	21.56	
20	256QAM	100	0	21.38	21.49	21.56	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.93	26.04	26.03	27.2
15	QPSK	1	37	25.91	26.01	26.04	
15	QPSK	1	74	25.91	25.91	25.94	
15	QPSK	36	0	25.09	25.20	25.22	27.2
15	QPSK	36	20	25.06	25.16	25.24	
15	QPSK	36	39	25.06	25.18	25.21	
15	QPSK	75	0	25.10	25.20	25.23	27.2
15	16QAM	1	0	25.42	25.47	25.38	
15	16QAM	1	37	25.28	25.32	25.29	
15	16QAM	1	74	25.24	25.21	25.15	27.2
15	16QAM	36	0	24.15	24.20	24.23	
15	16QAM	36	20	24.15	24.21	24.19	
15	16QAM	36	39	24.16	24.20	24.20	27.2
15	16QAM	75	0	24.16	24.28	24.29	
15	64QAM	1	0	24.09	24.09	24.10	
15	64QAM	1	37	24.09	24.11	24.32	27.2
15	64QAM	1	74	24.07	24.02	24.18	
15	64QAM	36	0	23.18	23.27	23.29	
15	64QAM	36	20	23.18	23.25	23.26	27.2
15	64QAM	36	39	23.19	23.25	23.27	
15	64QAM	75	0	23.18	23.25	23.25	
15	256QAM	1	0	21.45	21.68	21.54	27.2
15	256QAM	1	37	21.36	21.43	21.51	
15	256QAM	1	74	21.34	21.35	21.38	
15	256QAM	36	0	21.45	21.51	21.61	27.2
15	256QAM	36	20	21.44	21.48	21.60	
15	256QAM	36	39	21.37	21.41	21.50	
15	256QAM	75	0	21.38	21.47	21.52	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.93	26.04	26.01	27.2
10	QPSK	1	25	26.02	25.99	26.06	
10	QPSK	1	49	25.90	26.04	26.05	
10	QPSK	25	0	25.10	25.22	25.21	27.2
10	QPSK	25	12	25.09	25.20	25.20	
10	QPSK	25	25	25.10	25.21	25.20	
10	QPSK	50	0	25.09	25.19	25.21	27.2
10	16QAM	1	0	25.25	25.26	25.22	
10	16QAM	1	25	25.22	25.16	25.05	
10	16QAM	1	49	25.17	25.19	25.08	27.2
10	16QAM	25	0	24.19	24.32	24.26	
10	16QAM	25	12	24.18	24.24	24.23	
10	16QAM	25	25	24.20	24.25	24.23	27.2
10	16QAM	50	0	24.19	24.27	24.25	
10	64QAM	1	0	24.14	24.29	24.23	
10	64QAM	1	25	24.00	24.11	24.09	27.2
10	64QAM	1	49	24.10	24.19	24.18	
10	64QAM	25	0	23.25	23.33	23.32	
10	64QAM	25	12	23.27	23.30	23.29	27.2
10	64QAM	25	25	23.28	23.30	23.24	
10	64QAM	50	0	23.16	23.24	23.22	
10	256QAM	1	0	21.43	21.66	21.58	27.2
10	256QAM	1	25	21.42	21.39	21.47	
10	256QAM	1	49	21.30	21.36	21.36	
10	256QAM	25	0	21.39	21.51	21.63	27.2
10	256QAM	25	12	21.41	21.46	21.58	
10	256QAM	25	25	21.38	21.41	21.53	
10	256QAM	50	0	21.34	21.42	21.55	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.84	26.01	26.01	27.2
5	QPSK	1	12	25.77	26.05	26.03	
5	QPSK	1	24	25.88	26.02	26.04	
5	QPSK	12	0	24.96	25.15	25.18	27.2
5	QPSK	12	7	24.98	25.20	25.17	
5	QPSK	12	13	24.96	25.15	25.16	
5	QPSK	25	0	24.98	25.15	25.20	27.2
5	16QAM	1	0	24.98	25.10	25.07	
5	16QAM	1	12	24.97	25.19	25.08	
5	16QAM	1	24	24.99	25.13	25.02	27.2
5	16QAM	12	0	24.05	24.22	24.20	
5	16QAM	12	7	24.12	24.21	24.16	
5	16QAM	12	13	24.07	24.21	24.18	27.2
5	16QAM	25	0	24.11	24.24	24.28	
5	64QAM	1	0	23.74	23.82	24.13	
5	64QAM	1	12	23.65	23.85	24.19	27.2
5	64QAM	1	24	23.90	23.82	24.11	
5	64QAM	12	0	23.06	23.23	23.25	
5	64QAM	12	7	23.09	23.24	23.21	27.2
5	64QAM	12	13	23.09	23.23	23.22	
5	64QAM	25	0	23.07	23.20	23.27	
5	256QAM	1	0	21.41	21.69	21.57	27.2
5	256QAM	1	12	21.41	21.38	21.50	
5	256QAM	1	24	21.35	21.42	21.44	
5	256QAM	12	0	21.40	21.56	21.64	27.2
5	256QAM	12	7	21.35	21.54	21.56	
5	256QAM	12	13	21.41	21.42	21.46	
5	256QAM	25	0	21.30	21.47	21.50	











n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	24.46	24.42	24.31	25.70
20	PI/2 BPSK	1	53	24.57	24.61	24.52	
20	PI/2 BPSK	1	104	24.42	24.46	24.40	
20	PI/2 BPSK	50	0	24.04	24.02	24.00	25.20
20	PI/2 BPSK	50	28	24.49	24.50	24.49	25.70
20	PI/2 BPSK	50	56	24.03	24.02	24.00	25.20
20	PI/2 BPSK	100	0	24.03	24.04	24.03	
20	QPSK	1	1	24.46	24.35	24.30	25.70
20	QPSK	1	53	24.60	24.59	24.58	
20	QPSK	1	104	24.42	24.41	24.36	
20	QPSK	50	0	23.53	23.49	23.45	24.70
20	QPSK	50	28	24.50	24.46	24.48	25.70
20	QPSK	50	56	23.52	23.50	23.57	24.70
20	QPSK	100	0	23.52	23.51	23.51	
20	16QAM	1	1	23.54	23.41	23.36	24.70
20	64QAM	1	1	21.91	21.80	21.76	23.20
20	256QAM	1	1	19.20	19.80	19.76	21.20
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	24.44	24.38	24.41	25.70
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	24.51	24.41	24.46	25.70
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	24.50	24.40	24.40	25.70



n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.15	24.10	24.10	25.50
20	PI/2 BPSK	1	53	24.33	24.34	24.31	
20	PI/2 BPSK	1	104	24.12	24.16	24.10	
20	PI/2 BPSK	50	0	24.10	24.15	24.13	25.00
20	PI/2 BPSK	50	28	24.20	24.21	24.14	25.50
20	PI/2 BPSK	50	56	24.18	24.19	24.13	25.00
20	PI/2 BPSK	100	0	24.16	24.19	24.12	
20	QPSK	1	1	24.11	24.05	24.09	25.50
20	QPSK	1	53	24.31	24.29	24.28	
20	QPSK	1	104	24.09	24.16	24.10	
20	QPSK	50	0	23.84	23.84	23.83	24.50
20	QPSK	50	28	24.16	24.19	24.14	25.50
20	QPSK	50	56	23.90	23.99	23.87	24.50
20	QPSK	100	0	23.86	23.95	23.86	
20	16QAM	1	1	23.84	23.89	23.81	24.50
20	64QAM	1	1	22.27	22.28	22.30	23.00
20	256QAM	1	1	20.22	20.28	20.24	21.00
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.16	24.13	24.14	25.50
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.19	24.21	24.21	25.50
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.18	24.23	24.18	25.50



n7_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	24.25	24.33	24.30	25.20
20	PI/2 BPSK	1	53	24.46	24.51	24.42	
20	PI/2 BPSK	1	104	24.30	24.32	24.24	
20	PI/2 BPSK	50	0	23.80	23.87	23.86	24.70
20	PI/2 BPSK	50	28	24.36	24.39	24.32	25.20
20	PI/2 BPSK	50	56	23.85	23.86	23.86	24.70
20	PI/2 BPSK	100	0	23.85	23.87	23.84	
20	QPSK	1	1	24.20	24.28	24.29	25.20
20	QPSK	1	53	24.40	24.47	24.40	
20	QPSK	1	104	24.27	24.29	24.23	
20	QPSK	50	0	23.33	23.39	23.39	24.20
20	QPSK	50	28	24.34	24.39	24.32	25.20
20	QPSK	50	56	23.37	23.38	23.40	24.20
20	QPSK	100	0	23.40	23.41	23.36	
20	16QAM	1	1	23.31	23.36	23.37	24.20
20	64QAM	1	1	21.83	21.84	21.86	22.70
20	256QAM	1	1	19.48	19.67	19.69	20.70
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	24.32	24.36	24.35	25.20
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	24.36	24.40	24.36	25.20
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	24.38	24.43	24.38	25.20



n12_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.79	23.84	23.83	
15	PI/2 BPSK	1	40	23.90	23.94	23.89	25.30
15	PI/2 BPSK	1	77	23.87	23.82	23.86	
15	PI/2 BPSK	36	0	23.88	23.86	23.83	
15	PI/2 BPSK	36	22	23.91	23.93	23.87	
15	PI/2 BPSK	36	43	23.90	23.91	23.85	24.80
15	PI/2 BPSK	75	0	23.87	23.88	23.84	
15	QPSK	1	1	23.81	23.79	23.75	
15	QPSK	1	40	23.82	23.81	23.78	
15	QPSK	1	77	23.80	23.80	23.79	25.30
15	QPSK	36	0	23.52	23.56	23.52	24.30
15	QPSK	36	22	23.86	23.85	23.87	25.30
15	QPSK	36	43	23.58	23.56	23.55	
15	QPSK	75	0	23.53	23.53	23.54	
15	QPSK	75	0	23.53	23.53	23.54	
15	16QAM	1	1	23.56	23.51	23.49	24.30
15	64QAM	1	1	22.11	22.07	21.98	22.80
	256QAM	1	1	19.94	19.93	19.90	20.80
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.79	23.78	23.76	
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.88	23.81	23.78	



n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	24.40	24.31	24.34	25.70
20	PI/2 BPSK	1	53	24.60	24.63	24.61	
20	PI/2 BPSK	1	104	24.42	24.40	24.32	
20	PI/2 BPSK	50	0	24.01	23.99	24.08	25.20
20	PI/2 BPSK	50	28	24.43	24.51	24.50	25.70
20	PI/2 BPSK	50	56	23.99	24.06	24.05	25.20
20	PI/2 BPSK	100	0	23.97	24.06	24.05	
20	QPSK	1	1	24.38	24.31	24.35	25.70
20	QPSK	1	53	24.55	24.60	23.70	
20	QPSK	1	104	24.39	24.41	24.32	
20	QPSK	50	0	23.50	23.51	23.58	24.70
20	QPSK	50	28	24.43	24.46	24.36	25.70
20	QPSK	50	56	23.52	23.54	23.44	24.70
20	QPSK	100	0	23.51	23.54	23.46	
20	16QAM	1	1	23.47	23.41	23.40	24.70
20	64QAM	1	1	21.89	21.82	21.83	23.20
20	256QAM	1	1	19.66	19.83	19.86	21.20
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	24.45	24.37	24.39	25.70
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	24.53	24.40	24.38	25.70
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	24.48	24.38	24.34	25.70



n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.96		24.60
10	PI/2 BPSK	1	26		23.10		
10	PI/2 BPSK	1	50		22.93		
10	PI/2 BPSK	25	0		22.98		24.10
10	PI/2 BPSK	25	14		22.99		24.60
10	PI/2 BPSK	25	27		22.94		24.10
10	PI/2 BPSK	50	0		22.99		
10	QPSK	1	1		22.97		24.60
10	QPSK	1	26		23.02		
10	QPSK	1	50		22.92		
10	QPSK	25	0		22.98		23.60
10	QPSK	25	14		22.94		24.60
10	QPSK	25	27		22.93		23.60
10	QPSK	50	0		22.97		
10	16QAM	1	1		22.97		23.60
10	64QAM	1	1		21.47		22.10
10	256QAM	1	1		19.39		20.10
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.94	22.92	22.93	24.60



n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.95	23.98	23.95	25.25
40	PI/2 BPSK	1	108	24.64	24.65	24.63	
40	PI/2 BPSK	1	214	24.21	24.20	24.28	
40	PI/2 BPSK	108	0	23.84	23.74	23.82	24.75
40	PI/2 BPSK	108	54	24.50	24.53	24.49	25.25
40	PI/2 BPSK	108	108	23.91	23.96	23.94	24.75
40	PI/2 BPSK	216	0	23.89	23.91	23.90	
40	QPSK	1	1	23.92	24.00	23.94	25.25
40	QPSK	1	108	24.63	24.64	24.62	
40	QPSK	1	214	24.21	24.24	24.28	
40	QPSK	108	0	23.37	23.31	23.31	24.25
40	QPSK	108	54	24.57	24.46	24.56	25.25
40	QPSK	108	108	23.45	23.46	23.46	24.25
40	QPSK	216	0	23.43	23.33	23.46	
40	16QAM	1	1	22.93	23.03	22.94	24.25
40	64QAM	1	1	21.35	21.40	21.33	22.75
40	256QAM	1	1	19.38	19.42	19.35	20.75
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.22	24.24	24.20	25.25
Channel				#REF!	349000	#REF!	
Frequency (MHz)				#REF!	1745	#REF!	
20	PI/2 BPSK	1	1	24.33	24.30	24.34	25.25
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.40	24.38	24.36	25.25
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.46	24.39	24.37	25.25
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.51	24.43	24.41	25.25



n71_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.77	23.81	23.76	25.30
20	PI/2 BPSK	1	53	23.87	23.89	23.86	
20	PI/2 BPSK	1	104	23.84	23.71	23.83	
20	PI/2 BPSK	50	0	23.80	23.64	23.74	24.80
20	PI/2 BPSK	50	28	23.81	23.82	23.81	25.30
20	PI/2 BPSK	50	56	23.70	23.74	23.72	24.80
20	PI/2 BPSK	100	0	23.87	23.71	23.78	
20	QPSK	1	1	23.81	23.58	23.61	25.30
20	QPSK	1	53	23.87	23.85	23.87	
20	QPSK	1	104	23.87	23.43	23.78	
20	QPSK	50	0	23.57	23.35	23.44	24.30
20	QPSK	50	28	23.83	23.34	23.79	25.30
20	QPSK	50	56	23.66	23.49	23.52	24.30
20	QPSK	100	0	23.61	23.40	23.49	
20	16QAM	1	1	23.42	23.23	23.38	24.30
20	64QAM	1	1	21.91	21.73	21.82	22.80
20	256QAM	1	1	19.84	19.71	19.80	20.80
Channel				134100	136100	138100	
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.62	23.55	23.76	25.30
Channel				133600	136100	138600	
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.58	23.60	23.79	25.30
Channel				133100	136100	139100	
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.88	23.55	23.73	25.30





n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	20.73	20.60	20.60	21.2
20	PI/2 BPSK	1	53	20.97	20.87	20.86	
20	PI/2 BPSK	1	104	20.75	20.67	20.65	
20	PI/2 BPSK	50	0	20.77	20.73	20.71	21.2
20	PI/2 BPSK	50	28	20.80	20.79	20.75	21.2
20	PI/2 BPSK	50	56	20.79	20.73	20.68	21.2
20	PI/2 BPSK	100	0	20.79	20.73	20.72	
20	QPSK	1	1	20.70	20.61	20.58	21.2
20	QPSK	1	53	20.95	20.86	20.86	
20	QPSK	1	104	20.73	20.73	20.61	
20	QPSK	50	0	20.75	20.73	20.69	21.2
20	QPSK	50	28	20.80	20.78	20.72	21.2
20	QPSK	50	56	20.78	20.73	20.66	21.2
20	QPSK	100	0	20.77	20.72	20.68	
20	16QAM	1	1	20.69	20.60	20.58	21.2
20	64QAM	1	1	20.66	20.56	20.53	21.2
20	256QAM	1	1	20.23	20.17	20.11	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	20.77	20.71	20.62	21.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	20.79	20.74	20.65	21.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	20.83	20.77	20.69	21.2



n7_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	20.38	20.41	20.39	20.5
20	PI/2 BPSK	1	53	20.47	20.49	20.48	
20	PI/2 BPSK	1	104	20.36	20.38	20.31	
20	PI/2 BPSK	50	0	20.39	20.41	20.38	20.5
20	PI/2 BPSK	50	28	20.40	20.44	20.39	20.5
20	PI/2 BPSK	50	56	20.38	20.40	20.38	20.5
20	PI/2 BPSK	100	0	20.40	20.42	20.34	
20	QPSK	1	1	20.38	20.40	20.38	20.5
20	QPSK	1	53	20.48	20.50	20.42	
20	QPSK	1	104	20.37	20.39	20.30	
20	QPSK	50	0	20.38	20.40	20.40	20.5
20	QPSK	50	28	20.40	20.42	20.38	20.5
20	QPSK	50	56	20.39	20.41	20.35	20.5
20	QPSK	100	0	20.39	20.41	20.34	
20	16QAM	1	1	20.42	20.44	20.41	20.5
20	64QAM	1	1	20.32	20.34	20.34	20.5
20	256QAM	1	1	19.38	19.40	19.35	20.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	20.37	20.41	20.36	20.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	20.36	20.39	20.38	20.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	20.37	20.40	20.38	20.5



n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	21.2
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	20.55	20.46	20.46	21.2
20	PI/2 BPSK	1	53	20.76	20.72	20.68	
20	PI/2 BPSK	1	104	20.58	20.55	20.46	
20	PI/2 BPSK	50	0	20.60	20.53	20.51	21.2
20	PI/2 BPSK	50	28	20.63	20.60	20.55	21.2
20	PI/2 BPSK	50	56	20.62	20.59	20.54	21.2
20	PI/2 BPSK	100	0	20.59	20.55	20.51	
20	QPSK	1	1	20.55	20.45	20.45	21.2
20	QPSK	1	53	20.75	20.70	20.65	
20	QPSK	1	104	20.59	20.56	20.47	
20	QPSK	50	0	20.60	20.54	20.52	21.2
20	QPSK	50	28	20.61	20.59	20.54	21.2
20	QPSK	50	56	20.62	20.59	20.55	21.2
20	QPSK	100	0	20.58	20.55	20.49	
20	16QAM	1	1	20.54	20.46	20.46	21.2
20	64QAM	1	1	20.46	20.38	20.39	21.2
20	256QAM	1	1	20.07	19.99	20.00	21.2
Channel				371500	376500	381500	21.2
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	20.60	20.53	20.52	21.2
Channel				371000	376500	382000	21.2
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	20.63	20.58	20.56	21.2
Channel				370500	376500	382500	21.2
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	20.67	20.63	20.64	21.2



n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		21.98		23.1
10	PI/2 BPSK	1	26		22.15		
10	PI/2 BPSK	1	50		22.00		
10	PI/2 BPSK	25	0		22.01		23.1
10	PI/2 BPSK	25	14		22.06		23.1
10	PI/2 BPSK	25	27		21.99		23.1
10	PI/2 BPSK	50	0		22.01		
10	QPSK	1	1		21.95		23.1
10	QPSK	1	26		22.06		
10	QPSK	1	50		21.98		
10	QPSK	25	0		21.97		23.1
10	QPSK	25	14		22.02		23.1
10	QPSK	25	27		22.00		23.1
10	QPSK	50	0		22.00		
10	16QAM	1	1		22.03		23.1
10	64QAM	1	1		21.50		22.1
10	256QAM	1	1		19.45		20.1
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.97	21.95	21.94	23.1



n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.20	21.15	21.18	22.7
40	PI/2 BPSK	1	108	21.89	21.91	21.90	
40	PI/2 BPSK	1	214	21.48	21.45	21.38	
40	PI/2 BPSK	108	0	21.56	21.51	21.56	22.7
40	PI/2 BPSK	108	54	21.73	21.75	21.73	22.7
40	PI/2 BPSK	108	108	21.67	21.67	21.68	22.7
40	PI/2 BPSK	216	0	21.60	21.61	21.61	
40	QPSK	1	1	21.19	21.16	21.17	22.7
40	QPSK	1	108	21.90	21.90	21.88	
40	QPSK	1	214	21.47	21.45	21.39	
40	QPSK	108	0	21.55	21.51	21.57	22.7
40	QPSK	108	54	21.73	21.76	21.74	22.7
40	QPSK	108	108	21.66	21.68	21.67	22.7
40	QPSK	216	0	21.61	21.61	21.60	
40	16QAM	1	1	21.20	21.16	21.15	22.7
40	64QAM	1	1	21.13	21.09	21.10	22.7
40	256QAM	1	1	19.33	19.30	19.32	20.7
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.47	21.45	21.43	22.7
Channel				#REF!	349000	#REF!	Tune-up limit (dBm)
Frequency (MHz)				#REF!	1745	#REF!	
20	PI/2 BPSK	1	1	21.63	21.61	21.61	22.7
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.71	21.69	21.68	22.7
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.76	21.75	21.73	22.7
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.80	21.79	21.78	22.7



n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	21.63	21.56	21.46	22.5
20	PI/2 BPSK	1	53	21.69	21.65	21.61	
20	PI/2 BPSK	1	104	21.67	21.58	21.46	
20	PI/2 BPSK	50	0	21.61	21.57	21.51	22.5
20	PI/2 BPSK	50	28	21.66	21.60	21.55	22.5
20	PI/2 BPSK	50	56	21.62	21.60	21.50	22.5
20	PI/2 BPSK	100	0	21.65	21.59	21.51	
20	QPSK	1	1	21.64	21.53	21.45	22.5
20	QPSK	1	53	21.67	21.60	21.59	
20	QPSK	1	104	21.61	21.56	21.43	
20	QPSK	50	0	21.59	21.54	21.49	22.5
20	QPSK	50	28	21.64	21.59	21.54	22.5
20	QPSK	50	56	21.61	21.58	21.51	22.5
20	QPSK	100	0	21.62	21.55	21.49	
20	16QAM	1	1	21.64	21.48	21.48	22.5
20	64QAM	1	1	21.58	21.41	21.39	22.5
20	256QAM	1	1	20.13	20.07	19.94	20.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	21.62	21.54	21.45	22.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	21.61	21.53	21.43	22.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	21.62	21.55	21.45	22.5



n7_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	20.38	20.41	20.39	21.3
20	PI/2 BPSK	1	53	20.47	20.49	20.48	
20	PI/2 BPSK	1	104	20.36	20.38	20.31	
20	PI/2 BPSK	50	0	20.39	20.41	20.38	21.3
20	PI/2 BPSK	50	28	20.40	20.44	20.39	21.3
20	PI/2 BPSK	50	56	20.38	20.40	20.38	21.3
20	PI/2 BPSK	100	0	20.40	20.42	20.34	
20	QPSK	1	1	20.38	20.40	20.38	21.3
20	QPSK	1	53	20.48	20.50	20.42	
20	QPSK	1	104	20.37	20.39	20.30	
20	QPSK	50	0	20.38	20.40	20.40	21.3
20	QPSK	50	28	20.40	20.42	20.38	21.3
20	QPSK	50	56	20.39	20.41	20.35	21.3
20	QPSK	100	0	20.39	20.41	20.34	
20	16QAM	1	1	20.42	20.44	20.41	21.3
20	64QAM	1	1	20.32	20.34	20.34	21.3
20	256QAM	1	1	19.38	19.40	19.35	20.3
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	20.37	20.41	20.36	21.3
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	20.36	20.39	20.38	21.3
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	20.37	20.40	20.38	21.3



n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.53	21.43	21.46	22.5
20	PI/2 BPSK	1	53	21.68	21.67	21.64	
20	PI/2 BPSK	1	104	21.57	21.52	21.44	
20	PI/2 BPSK	50	0	21.57	21.52	21.48	22.5
20	PI/2 BPSK	50	28	21.65	21.57	21.51	22.5
20	PI/2 BPSK	50	56	21.60	21.57	21.52	22.5
20	PI/2 BPSK	100	0	21.59	21.54	21.48	
20	QPSK	1	1	21.52	21.42	21.45	22.5
20	QPSK	1	53	21.67	21.64	21.63	
20	QPSK	1	104	21.58	21.51	21.43	
20	QPSK	50	0	21.56	21.50	21.47	22.5
20	QPSK	50	28	21.64	21.55	21.48	22.5
20	QPSK	50	56	21.58	21.58	21.50	22.5
20	QPSK	100	0	21.59	21.53	21.47	
20	16QAM	1	1	21.48	21.46	21.46	22.5
20	64QAM	1	1	21.42	21.40	21.41	22.5
20	256QAM	1	1	20.06	19.99	20.00	20.5
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.53	21.43	21.46	22.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.52	21.42	21.41	22.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.53	21.42	21.45	22.5





n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		21.98		23.9
10	PI/2 BPSK	1	26		22.15		
10	PI/2 BPSK	1	50		22.00		
10	PI/2 BPSK	25	0		22.01		23.9
10	PI/2 BPSK	25	14		22.06		23.9
10	PI/2 BPSK	25	27		21.99		23.9
10	PI/2 BPSK	50	0		22.01		
10	QPSK	1	1		21.95		23.9
10	QPSK	1	26		22.06		
10	QPSK	1	50		21.98		
10	QPSK	25	0		21.97		23.4
10	QPSK	25	14		22.02		23.9
10	QPSK	25	27		22.00		23.4
10	QPSK	50	0		22.00		
10	16QAM	1	1		22.03		23.4
10	64QAM	1	1		21.50		21.9
10	256QAM	1	1		19.45		19.9
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.97	21.95	21.94	23.9



n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.21	22.17	22.17	23.7
40	PI/2 BPSK	1	108	22.91	22.92	22.90	
40	PI/2 BPSK	1	214	22.48	22.45	22.38	
40	PI/2 BPSK	108	0	22.55	22.51	22.53	23.7
40	PI/2 BPSK	108	54	22.72	22.74	22.72	23.7
40	PI/2 BPSK	108	108	22.67	22.67	22.68	23.7
40	PI/2 BPSK	216	0	22.59	22.60	22.61	
40	QPSK	1	1	22.20	22.16	22.17	23.7
40	QPSK	1	108	22.89	22.89	22.90	
40	QPSK	1	214	22.49	22.43	22.37	
40	QPSK	108	0	22.54	22.51	22.54	23.7
40	QPSK	108	54	22.72	22.76	22.71	23.7
40	QPSK	108	108	22.67	22.66	22.69	23.7
40	QPSK	216	0	22.60	22.61	22.60	
40	16QAM	1	1	22.20	22.17	22.18	23.7
40	64QAM	1	1	21.34	21.28	21.25	22.7
40	256QAM	1	1	19.35	19.30	19.31	20.7
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.46	22.43	22.42	23.7
Channel				#REF!	349000	#REF!	Tune-up limit (dBm)
Frequency (MHz)				#REF!	1745	#REF!	
20	PI/2 BPSK	1	1	22.64	22.61	22.61	23.7
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.72	22.69	22.70	23.7
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.75	22.74	22.72	23.7
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.81	22.81	22.74	23.7



n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	21.63	21.56	21.46	21.7
20	PI/2 BPSK	1	53	21.69	21.65	21.61	
20	PI/2 BPSK	1	104	21.67	21.58	21.46	
20	PI/2 BPSK	50	0	21.61	21.57	21.51	21.7
20	PI/2 BPSK	50	28	21.66	21.60	21.55	21.7
20	PI/2 BPSK	50	56	21.62	21.60	21.50	21.7
20	PI/2 BPSK	100	0	21.65	21.59	21.51	
20	QPSK	1	1	21.64	21.53	21.45	21.7
20	QPSK	1	53	21.67	21.60	21.59	
20	QPSK	1	104	21.61	21.56	21.43	
20	QPSK	50	0	21.59	21.54	21.49	21.7
20	QPSK	50	28	21.64	21.59	21.54	21.7
20	QPSK	50	56	21.61	21.58	21.51	21.7
20	QPSK	100	0	21.62	21.55	21.49	
20	16QAM	1	1	21.64	21.48	21.48	21.7
20	64QAM	1	1	21.58	21.41	21.39	21.7
20	256QAM	1	1	20.13	20.07	19.94	20.7
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	21.62	21.54	21.45	21.7
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	21.61	21.53	21.43	21.7
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	21.62	21.55	21.45	21.7



n7_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	20.38	20.41	20.39	21.3
20	PI/2 BPSK	1	53	20.47	20.49	20.48	
20	PI/2 BPSK	1	104	20.36	20.38	20.31	
20	PI/2 BPSK	50	0	20.39	20.41	20.38	21.3
20	PI/2 BPSK	50	28	20.40	20.44	20.39	21.3
20	PI/2 BPSK	50	56	20.38	20.40	20.38	21.3
20	PI/2 BPSK	100	0	20.40	20.42	20.34	
20	QPSK	1	1	20.38	20.40	20.38	21.3
20	QPSK	1	53	20.48	20.50	20.42	
20	QPSK	1	104	20.37	20.39	20.30	
20	QPSK	50	0	20.38	20.40	20.40	21.3
20	QPSK	50	28	20.40	20.42	20.38	21.3
20	QPSK	50	56	20.39	20.41	20.35	21.3
20	QPSK	100	0	20.39	20.41	20.34	
20	16QAM	1	1	20.42	20.44	20.41	21.3
20	64QAM	1	1	20.32	20.34	20.34	21.3
20	256QAM	1	1	19.38	19.40	19.35	20.3
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	20.37	20.41	20.36	21.3
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	20.36	20.39	20.38	21.3
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	20.37	20.40	20.38	21.3



n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.53	21.43	21.46	21.7
20	PI/2 BPSK	1	53	21.68	21.67	21.64	
20	PI/2 BPSK	1	104	21.57	21.52	21.44	
20	PI/2 BPSK	50	0	21.57	21.52	21.48	21.7
20	PI/2 BPSK	50	28	21.65	21.57	21.51	21.7
20	PI/2 BPSK	50	56	21.60	21.57	21.52	21.7
20	PI/2 BPSK	100	0	21.59	21.54	21.48	
20	QPSK	1	1	21.52	21.42	21.45	21.7
20	QPSK	1	53	21.67	21.64	21.63	
20	QPSK	1	104	21.58	21.51	21.43	
20	QPSK	50	0	21.56	21.50	21.47	21.7
20	QPSK	50	28	21.64	21.55	21.48	21.7
20	QPSK	50	56	21.58	21.58	21.50	21.7
20	QPSK	100	0	21.59	21.53	21.47	
20	16QAM	1	1	21.48	21.46	21.46	21.7
20	64QAM	1	1	21.42	21.40	21.41	21.7
20	256QAM	1	1	20.06	19.99	20.00	20.7
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.53	21.43	21.46	21.7
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.52	21.42	21.41	21.7
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.53	21.42	21.45	21.7



n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		21.98		23.1
10	PI/2 BPSK	1	26		22.15		
10	PI/2 BPSK	1	50		22.00		
10	PI/2 BPSK	25	0		22.01		23.1
10	PI/2 BPSK	25	14		22.06		23.1
10	PI/2 BPSK	25	27		21.99		23.1
10	PI/2 BPSK	50	0		22.01		
10	QPSK	1	1		21.95		
10	QPSK	1	26		22.06		23.1
10	QPSK	1	50		21.98		
10	QPSK	25	0		21.97		
10	QPSK	25	14		22.02		23.1
10	QPSK	25	27		22.00		23.1
10	QPSK	50	0		22.00		
10	16QAM	1	1		22.03		
10	64QAM	1	1		21.50		22.1
10	256QAM	1	1		19.45		20.1
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.97	21.95	21.94	23.1



n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.20	21.15	21.18	22.9
40	PI/2 BPSK	1	108	21.89	21.91	21.90	
40	PI/2 BPSK	1	214	21.48	21.45	21.38	
40	PI/2 BPSK	108	0	21.56	21.51	21.56	22.9
40	PI/2 BPSK	108	54	21.73	21.75	21.73	22.9
40	PI/2 BPSK	108	108	21.67	21.67	21.68	22.9
40	PI/2 BPSK	216	0	21.60	21.61	21.61	
40	QPSK	1	1	21.19	21.16	21.17	22.9
40	QPSK	1	108	21.90	21.90	21.88	
40	QPSK	1	214	21.47	21.45	21.39	
40	QPSK	108	0	21.55	21.51	21.57	22.9
40	QPSK	108	54	21.73	21.76	21.74	22.9
40	QPSK	108	108	21.66	21.68	21.67	22.9
40	QPSK	216	0	21.61	21.61	21.60	
40	16QAM	1	1	21.20	21.16	21.15	22.9
40	64QAM	1	1	21.13	21.09	21.10	22.4
40	256QAM	1	1	19.33	19.30	19.32	20.4
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.47	21.45	21.43	22.9
Channel				#REF!	349000	#REF!	Tune-up limit (dBm)
Frequency (MHz)				#REF!	1745	#REF!	
20	PI/2 BPSK	1	1	21.63	21.61	21.61	22.9
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.71	21.69	21.68	22.9
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.76	21.75	21.73	22.9
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.80	21.79	21.78	22.9



n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.87	23.96	24.01	25.70
20	PI/2 BPSK	1	53	24.12	24.30	24.29	
20	PI/2 BPSK	1	104	24.01	24.16	24.09	
20	PI/2 BPSK	50	0	23.56	23.67	23.72	25.20
20	PI/2 BPSK	50	28	23.98	24.18	24.16	25.70
20	PI/2 BPSK	50	56	23.59	23.75	23.74	25.20
20	PI/2 BPSK	100	0	23.56	23.76	23.74	
20	QPSK	1	1	23.89	23.92	24.03	25.70
20	QPSK	1	53	24.09	24.22	24.27	
20	QPSK	1	104	24.02	24.15	24.14	
20	QPSK	50	0	23.05	23.19	23.29	24.70
20	QPSK	50	28	24.00	24.16	24.22	25.70
20	QPSK	50	56	23.10	23.27	23.29	24.70
20	QPSK	100	0	23.06	23.21	23.31	
20	16QAM	1	1	22.99	23.06	23.18	24.70
20	64QAM	1	1	21.43	21.50	21.59	23.20
20	256QAM	1	1	19.14	19.46	19.56	21.20
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.86	23.90	24.02	25.70
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.83	23.92	24.03	25.70
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.85	23.91	24.02	25.70





n5_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.39	24.38	24.40	25.20
20	PI/2 BPSK	1	53	24.78	24.82	24.79	
20	PI/2 BPSK	1	104	24.63	24.71	24.55	
20	PI/2 BPSK	50	0	24.12	24.14	23.91	24.70
20	PI/2 BPSK	50	28	24.65	24.67	24.42	25.20
20	PI/2 BPSK	50	56	24.20	24.20	23.98	24.70
20	PI/2 BPSK	100	0	24.16	24.18	23.97	
20	QPSK	1	1	24.39	24.36	24.37	25.20
20	QPSK	1	53	24.76	24.78	24.67	
20	QPSK	1	104	24.61	24.71	24.52	
20	QPSK	50	0	23.57	23.66	23.49	24.20
20	QPSK	50	28	24.63	24.68	24.40	25.20
20	QPSK	50	56	23.63	23.72	23.50	24.20
20	QPSK	100	0	23.65	23.65	23.47	
20	16QAM	1	1	23.61	23.61	23.60	24.20
20	64QAM	1	1	22.02	22.02	22.01	22.70
20	256QAM	1	1	20.05	20.03	20.06	20.70
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.37	24.38	24.38	25.20
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.43	24.42	24.41	25.20
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.42	24.43	24.38	25.20



n7_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.93	23.94	23.96	25.20
20	PI/2 BPSK	1	53	23.97	24.10	24.09	
20	PI/2 BPSK	1	104	23.86	23.91	24.00	
20	PI/2 BPSK	50	0	23.45	23.47	23.26	24.70
20	PI/2 BPSK	50	28	23.93	23.95	23.92	25.20
20	PI/2 BPSK	50	56	23.44	23.48	23.52	24.70
20	PI/2 BPSK	100	0	23.45	23.50	23.49	
20	QPSK	1	1	23.87	23.92	23.91	25.20
20	QPSK	1	53	23.89	23.93	24.00	
20	QPSK	1	104	23.85	23.88	23.92	
20	QPSK	50	0	22.94	22.93	22.81	24.20
20	QPSK	50	28	23.95	23.96	23.92	25.20
20	QPSK	50	56	22.93	22.95	22.94	24.20
20	QPSK	100	0	22.97	22.98	22.99	
20	16QAM	1	1	22.91	22.96	22.94	24.20
20	64QAM	1	1	21.37	21.38	21.42	22.70
20	256QAM	1	1	19.29	19.33	19.21	20.70
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.88	23.92	23.92	25.20
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.94	23.91	23.95	25.20
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.98	23.93	23.93	25.20



n12_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	24.17	24.29	24.17	25.20
15	PI/2 BPSK	1	40	24.29	24.33	24.29	
15	PI/2 BPSK	1	77	24.30	24.20	24.28	
15	PI/2 BPSK	36	0	23.77	23.84	23.87	24.70
15	PI/2 BPSK	36	22	24.28	24.32	24.30	25.20
15	PI/2 BPSK	36	43	23.88	23.86	23.87	24.70
15	PI/2 BPSK	75	0	23.86	23.85	23.87	
15	QPSK	1	1	24.15	24.14	24.16	25.20
15	QPSK	1	40	24.27	24.16	24.31	
15	QPSK	1	77	24.30	24.10	24.27	
15	QPSK	36	0	23.31	23.36	23.37	24.20
15	QPSK	36	22	24.27	24.31	24.29	25.20
15	QPSK	36	43	23.39	23.36	23.39	24.20
15	QPSK	75	0	23.37	23.33	23.36	
15	16QAM	1	1	23.33	23.18	23.29	24.20
15	64QAM	1	1	21.74	21.65	21.69	22.70
	256QAM	1	1	19.76	19.61	19.73	20.70
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.18	24.18	24.20	25.20
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.20	24.24	24.19	25.20



n25_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.79	23.93	24.05	25.70
20	PI/2 BPSK	1	53	24.07	24.45	24.24	
20	PI/2 BPSK	1	104	23.96	24.13	24.05	
20	PI/2 BPSK	50	0	23.50	23.68	23.72	25.20
20	PI/2 BPSK	50	28	23.94	24.28	24.04	25.70
20	PI/2 BPSK	50	56	23.55	23.75	23.72	25.20
20	PI/2 BPSK	100	0	23.53	23.82	23.61	
20	QPSK	1	1	23.76	23.87	24.02	25.70
20	QPSK	1	53	24.03	24.19	24.23	
20	QPSK	1	104	23.96	24.12	24.05	
20	QPSK	50	0	23.01	23.17	23.23	24.70
20	QPSK	50	28	23.96	24.07	24.14	25.70
20	QPSK	50	56	23.06	23.25	23.22	24.70
20	QPSK	100	0	23.02	23.21	23.20	
20	16QAM	1	1	22.92	22.99	23.10	24.70
20	64QAM	1	1	21.35	21.41	21.56	23.20
20	256QAM	1	1	19.37	19.45	19.49	21.20
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.82	23.96	24.00	25.70
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.86	23.98	24.01	25.70
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.93	24.00	23.99	25.70



n30_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		24.12		25.00
10	PI/2 BPSK	1	26		24.27		
10	PI/2 BPSK	1	50		24.15		
10	PI/2 BPSK	25	0		23.64		24.50
10	PI/2 BPSK	25	14		24.13		25.00
10	PI/2 BPSK	25	27		23.63		24.50
10	PI/2 BPSK	50	0		23.65		
10	QPSK	1	1		24.12		25.00
10	QPSK	1	26		24.22		
10	QPSK	1	50		24.15		
10	QPSK	25	0		23.16		24.00
10	QPSK	25	14		24.16		25.00
10	QPSK	25	27		23.16		24.00
10	QPSK	50	0		23.15		
10	16QAM	1	1		23.13		24.00
10	64QAM	1	1		21.59		22.50
10	256QAM	1	1		19.53		20.50
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	24.08	24.11	24.09	25.00



n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.74	23.85	23.74	25.70
40	PI/2 BPSK	1	108	24.47	24.62	24.49	
40	PI/2 BPSK	1	214	24.03	24.19	24.12	
40	PI/2 BPSK	108	0	23.61	24.01	23.60	25.20
40	PI/2 BPSK	108	54	24.30	24.46	24.35	25.70
40	PI/2 BPSK	108	108	23.74	23.89	23.78	25.20
40	PI/2 BPSK	216	0	23.67	23.81	23.69	
40	QPSK	1	1	23.71	23.84	23.70	25.70
40	QPSK	1	108	24.38	24.45	24.43	
40	QPSK	1	214	23.99	24.13	24.07	
40	QPSK	108	0	23.11	23.16	23.11	24.70
40	QPSK	108	54	24.31	24.30	24.37	25.70
40	QPSK	108	108	23.24	23.29	23.32	24.70
40	QPSK	216	0	23.16	23.16	23.24	
40	16QAM	1	1	22.77	22.79	22.79	24.70
40	64QAM	1	1	21.16	21.11	21.29	23.20
40	256QAM	1	1	19.17	19.13	19.18	21.20
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.87	23.73	23.70	25.70
Channel				#REF!	349000	#REF!	
Frequency (MHz)				#REF!	1745	#REF!	
20	PI/2 BPSK	1	1	24.37	24.19	24.19	25.70
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.26	24.20	24.21	25.70
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.28	24.19	24.24	25.70
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.26	24.21	24.23	25.70



n71_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.18	24.12	24.15	25.20
20	PI/2 BPSK	1	53	24.41	24.45	24.42	
20	PI/2 BPSK	1	104	24.31	24.24	24.23	
20	PI/2 BPSK	50	0	23.78	23.71	23.75	24.70
20	PI/2 BPSK	50	28	24.29	24.33	24.30	25.20
20	PI/2 BPSK	50	56	23.83	23.78	23.80	24.70
20	PI/2 BPSK	100	0	23.79	23.80	23.78	
20	QPSK	1	1	24.18	24.16	24.16	25.20
20	QPSK	1	53	24.39	24.37	24.35	
20	QPSK	1	104	24.29	24.25	24.23	
20	QPSK	50	0	23.28	23.23	23.25	24.20
20	QPSK	50	28	24.34	24.32	24.31	25.20
20	QPSK	50	56	23.34	23.30	23.30	24.20
20	QPSK	100	0	23.31	23.28	23.28	
20	16QAM	1	1	23.19	23.18	23.19	24.20
20	64QAM	1	1	21.63	21.67	21.62	22.70
20	256QAM	1	1	19.59	19.61	19.56	20.70
Channel				134100	136100	138100	
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.04	24.10	24.08	25.20
Channel				133600	136100	138600	
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.09	24.08	24.01	25.20
Channel				133100	136100	139100	
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.18	24.24	24.21	25.20



n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.81	22.82	22.90	23.2
20	PI/2 BPSK	1	53	22.96	23.20	23.13	
20	PI/2 BPSK	1	104	22.96	22.97	22.98	
20	PI/2 BPSK	50	0	22.86	22.86	22.84	23.2
20	PI/2 BPSK	50	28	22.86	23.15	22.97	23.2
20	PI/2 BPSK	50	56	22.82	22.96	22.92	23.2
20	PI/2 BPSK	100	0	22.81	23.00	22.92	
20	QPSK	1	1	22.85	22.82	22.82	23.2
20	QPSK	1	53	23.08	23.13	23.04	
20	QPSK	1	104	22.91	23.00	22.89	
20	QPSK	50	0	22.79	22.88	22.82	23.2
20	QPSK	50	28	22.96	22.95	22.92	23.2
20	QPSK	50	56	22.98	23.03	22.99	23.2
20	QPSK	100	0	22.98	22.96	23.00	
20	16QAM	1	1	22.90	22.85	22.86	23.2
20	64QAM	1	1	21.31	21.37	21.35	23.2
20	256QAM	1	1	19.22	19.36	19.26	21.2
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.82	22.82	22.95	23.2
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.83	22.81	22.90	23.2
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.82	22.80	22.87	23.2





n7_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.24	23.25	23.20	24.2
20	PI/2 BPSK	1	53	23.38	23.40	23.41	
20	PI/2 BPSK	1	104	23.25	23.22	23.20	
20	PI/2 BPSK	50	0	23.23	23.24	23.22	24.2
20	PI/2 BPSK	50	28	23.28	23.29	23.30	24.2
20	PI/2 BPSK	50	56	23.28	23.26	23.22	24.2
20	PI/2 BPSK	100	0	23.24	23.25	23.26	
20	QPSK	1	1	23.22	23.20	23.20	24.2
20	QPSK	1	53	23.35	23.28	23.39	
20	QPSK	1	104	23.24	23.20	23.22	
20	QPSK	50	0	22.97	22.94	22.93	24.2
20	QPSK	50	28	23.29	23.29	23.29	24.2
20	QPSK	50	56	22.98	22.96	23.00	24.2
20	QPSK	100	0	22.99	22.94	22.97	
20	16QAM	1	1	22.97	22.98	22.90	23.2
20	64QAM	1	1	21.44	21.42	21.32	22.7
20	256QAM	1	1	19.38	19.33	19.25	20.7
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.28	23.26	23.21	24.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.27	23.25	23.20	24.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.27	23.26	23.19	24.2



n25_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.85	22.90	22.98	23.2
20	PI/2 BPSK	1	53	23.01	23.20	23.19	
20	PI/2 BPSK	1	104	23.00	23.04	23.01	
20	PI/2 BPSK	50	0	22.94	22.95	22.94	23.2
20	PI/2 BPSK	50	28	22.95	23.08	23.05	23.2
20	PI/2 BPSK	50	56	22.90	23.05	23.01	23.2
20	PI/2 BPSK	100	0	22.91	23.01	22.99	
20	QPSK	1	1	22.86	22.86	22.86	23.2
20	QPSK	1	53	23.16	23.17	23.09	
20	QPSK	1	104	22.96	23.05	22.97	
20	QPSK	50	0	22.88	22.97	22.88	23.2
20	QPSK	50	28	22.99	23.05	23.01	23.2
20	QPSK	50	56	23.02	23.07	23.00	23.2
20	QPSK	100	0	23.02	23.04	23.00	
20	16QAM	1	1	22.91	22.91	22.87	23.2
20	64QAM	1	1	21.32	21.40	21.38	23.2
20	256QAM	1	1	19.31	19.38	19.29	21.2
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.86	22.85	22.95	23.2
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.82	22.83	22.91	23.2
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.83	22.81	22.90	23.2



n30_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.89		23.5
10	PI/2 BPSK	1	26		23.00		
10	PI/2 BPSK	1	50		23.22		
10	PI/2 BPSK	25	0		23.14		23.5
10	PI/2 BPSK	25	14		23.15		23.5
10	PI/2 BPSK	25	27		23.14		23.5
10	PI/2 BPSK	50	0		23.18		
10	QPSK	1	1		23.17		23.5
10	QPSK	1	26		23.21		
10	QPSK	1	50		23.18		
10	QPSK	25	0		23.18		23.5
10	QPSK	25	14		23.18		23.5
10	QPSK	25	27		23.18		23.5
10	QPSK	50	0		23.19		
10	16QAM	1	1		23.21		23.5
10	64QAM	1	1		21.39		22.5
10	256QAM	1	1		19.57		20.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	23.06	23.01	22.99	23.5



n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.02	23.03	23.02	23.9
40	PI/2 BPSK	1	108	23.52	23.56	23.47	
40	PI/2 BPSK	1	214	23.07	23.17	23.13	
40	PI/2 BPSK	108	0	23.10	23.20	23.20	23.9
40	PI/2 BPSK	108	54	23.31	23.39	23.31	23.9
40	PI/2 BPSK	108	108	23.36	23.36	23.28	23.9
40	PI/2 BPSK	216	0	23.17	23.25	23.19	
40	QPSK	1	1	23.00	23.03	23.02	23.9
40	QPSK	1	108	23.39	23.46	23.46	
40	QPSK	1	214	23.10	23.13	23.08	
40	QPSK	108	0	22.83	22.91	22.91	23.9
40	QPSK	108	54	23.34	23.38	23.35	23.9
40	QPSK	108	108	23.02	23.06	22.97	23.9
40	QPSK	216	0	22.86	22.95	22.95	
40	16QAM	1	1	22.57	22.63	22.61	23.9
40	64QAM	1	1	21.17	21.21	21.13	22.4
40	256QAM	1	1	18.92	18.94	18.89	20.4
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.05	23.06	23.04	23.9
Channel				#REF!	349000	#REF!	Tune-up limit (dBm)
Frequency (MHz)				#REF!	1745	#REF!	
20	PI/2 BPSK	1	1	23.03	23.01	23.06	23.9
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.06	23.05	23.07	23.9
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.05	23.03	23.04	23.9
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.06	23.01	23.09	23.9



n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.81	22.82	22.90	24.0
20	PI/2 BPSK	1	53	22.96	23.20	23.13	
20	PI/2 BPSK	1	104	22.96	22.97	22.98	
20	PI/2 BPSK	50	0	22.86	22.86	22.84	24.0
20	PI/2 BPSK	50	28	22.86	23.15	22.97	24.0
20	PI/2 BPSK	50	56	22.82	22.96	22.92	24.0
20	PI/2 BPSK	100	0	22.81	23.00	22.92	
20	QPSK	1	1	22.85	22.82	22.82	24.0
20	QPSK	1	53	23.08	23.13	23.04	
20	QPSK	1	104	22.91	23.00	22.89	
20	QPSK	50	0	22.79	22.88	22.82	24.0
20	QPSK	50	28	22.96	22.95	22.92	24.0
20	QPSK	50	56	22.98	23.03	22.99	24.0
20	QPSK	100	0	22.98	22.96	23.00	
20	16QAM	1	1	22.90	22.85	22.86	24.0
20	64QAM	1	1	21.31	21.37	21.35	23.0
20	256QAM	1	1	19.22	19.36	19.26	21.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.82	22.82	22.95	24.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.83	22.81	22.90	24.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.82	22.80	22.87	24.0



n7_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.24	23.25	23.20	25.0
20	PI/2 BPSK	1	53	23.38	23.40	23.41	
20	PI/2 BPSK	1	104	23.25	23.22	23.20	
20	PI/2 BPSK	50	0	23.23	23.24	23.22	24.5
20	PI/2 BPSK	50	28	23.28	23.29	23.30	25.0
20	PI/2 BPSK	50	56	23.28	23.26	23.22	24.5
20	PI/2 BPSK	100	0	23.24	23.25	23.26	
20	QPSK	1	1	23.22	23.20	23.20	25.0
20	QPSK	1	53	23.35	23.28	23.39	
20	QPSK	1	104	23.24	23.20	23.22	
20	QPSK	50	0	22.97	22.94	22.93	24.0
20	QPSK	50	28	23.29	23.29	23.29	25.0
20	QPSK	50	56	22.98	22.96	23.00	24.0
20	QPSK	100	0	22.99	22.94	22.97	
20	16QAM	1	1	22.97	22.98	22.90	24.0
20	64QAM	1	1	21.44	21.42	21.32	22.5
20	256QAM	1	1	19.38	19.33	19.25	20.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.28	23.26	23.21	25.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.27	23.25	23.20	25.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.27	23.26	23.19	25.0



n25_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.85	22.90	22.98	24.0
20	PI/2 BPSK	1	53	23.01	23.20	23.19	
20	PI/2 BPSK	1	104	23.00	23.04	23.01	
20	PI/2 BPSK	50	0	22.94	22.95	22.94	24.0
20	PI/2 BPSK	50	28	22.95	23.08	23.05	24.0
20	PI/2 BPSK	50	56	22.90	23.05	23.01	24.0
20	PI/2 BPSK	100	0	22.91	23.01	22.99	
20	QPSK	1	1	22.86	22.86	22.86	24.0
20	QPSK	1	53	23.16	23.17	23.09	
20	QPSK	1	104	22.96	23.05	22.97	
20	QPSK	50	0	22.88	22.97	22.88	24.0
20	QPSK	50	28	22.99	23.05	23.01	24.0
20	QPSK	50	56	23.02	23.07	23.00	24.0
20	QPSK	100	0	23.02	23.04	23.00	
20	16QAM	1	1	22.91	22.91	22.87	24.0
20	64QAM	1	1	21.32	21.40	21.38	23.0
20	256QAM	1	1	19.31	19.38	19.29	21.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.86	22.85	22.95	24.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.82	22.83	22.91	24.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.83	22.81	22.90	24.0



n30_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.89		24.3
10	PI/2 BPSK	1	26		23.00		
10	PI/2 BPSK	1	50		23.22		
10	PI/2 BPSK	25	0		23.14		24.3
10	PI/2 BPSK	25	14		23.15		24.3
10	PI/2 BPSK	25	27		23.14		24.3
10	PI/2 BPSK	50	0		23.18		
10	QPSK	1	1		23.17		24.3
10	QPSK	1	26		23.21		
10	QPSK	1	50		23.18		
10	QPSK	25	0		23.18		23.8
10	QPSK	25	14		23.18		24.3
10	QPSK	25	27		23.18		23.8
10	QPSK	50	0		23.19		
10	16QAM	1	1		23.21		23.8
10	64QAM	1	1		21.39		22.3
10	256QAM	1	1		19.57		20.3
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	23.06	23.01	22.99	24.3





n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.02	23.03	23.02	25.0
40	PI/2 BPSK	1	108	23.52	23.56	23.47	
40	PI/2 BPSK	1	214	23.07	23.17	23.13	
40	PI/2 BPSK	108	0	23.10	23.20	23.20	25.0
40	PI/2 BPSK	108	54	23.31	23.39	23.31	25.0
40	PI/2 BPSK	108	108	23.36	23.36	23.28	25.0
40	PI/2 BPSK	216	0	23.17	23.25	23.19	
40	QPSK	1	1	23.00	23.03	23.02	25.0
40	QPSK	1	108	23.39	23.46	23.46	
40	QPSK	1	214	23.10	23.13	23.08	
40	QPSK	108	0	22.83	22.91	22.91	24.0
40	QPSK	108	54	23.34	23.38	23.35	25.0
40	QPSK	108	108	23.02	23.06	22.97	24.0
40	QPSK	216	0	22.86	22.95	22.95	
40	16QAM	1	1	22.57	22.63	22.61	24.0
40	64QAM	1	1	21.17	21.21	21.13	23.0
40	256QAM	1	1	18.92	18.94	18.89	20.5
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.05	23.06	23.04	25.0
Channel				#REF!	349000	#REF!	
Frequency (MHz)				#REF!	1745	#REF!	
20	PI/2 BPSK	1	1	23.03	23.01	23.06	25.0
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.06	23.05	23.07	25.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.05	23.03	23.04	25.0
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.06	23.01	23.09	25.0



n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.81	22.82	22.90	24.0
20	PI/2 BPSK	1	53	22.96	23.20	23.13	
20	PI/2 BPSK	1	104	22.96	22.97	22.98	
20	PI/2 BPSK	50	0	22.86	22.86	22.84	24.0
20	PI/2 BPSK	50	28	22.86	23.15	22.97	24.0
20	PI/2 BPSK	50	56	22.82	22.96	22.92	24.0
20	PI/2 BPSK	100	0	22.81	23.00	22.92	
20	QPSK	1	1	22.85	22.82	22.82	24.0
20	QPSK	1	53	23.08	23.13	23.04	
20	QPSK	1	104	22.91	23.00	22.89	
20	QPSK	50	0	22.79	22.88	22.82	24.0
20	QPSK	50	28	22.96	22.95	22.92	24.0
20	QPSK	50	56	22.98	23.03	22.99	24.0
20	QPSK	100	0	22.98	22.96	23.00	
20	16QAM	1	1	22.90	22.85	22.86	24.0
20	64QAM	1	1	21.31	21.37	21.35	23.0
20	256QAM	1	1	19.22	19.36	19.26	21.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.82	22.82	22.95	24.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.83	22.81	22.90	24.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.82	22.80	22.87	24.0



n7_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.24	23.25	23.20	25.0
20	PI/2 BPSK	1	53	23.38	23.40	23.41	
20	PI/2 BPSK	1	104	23.25	23.22	23.20	
20	PI/2 BPSK	50	0	23.23	23.24	23.22	24.5
20	PI/2 BPSK	50	28	23.28	23.29	23.30	25.0
20	PI/2 BPSK	50	56	23.28	23.26	23.22	24.5
20	PI/2 BPSK	100	0	23.24	23.25	23.26	
20	QPSK	1	1	23.22	23.20	23.20	25.0
20	QPSK	1	53	23.35	23.28	23.39	
20	QPSK	1	104	23.24	23.20	23.22	
20	QPSK	50	0	22.97	22.94	22.93	24.0
20	QPSK	50	28	23.29	23.29	23.29	25.0
20	QPSK	50	56	22.98	22.96	23.00	24.0
20	QPSK	100	0	22.99	22.94	22.97	
20	16QAM	1	1	22.97	22.98	22.90	24.0
20	64QAM	1	1	21.44	21.42	21.32	22.5
20	256QAM	1	1	19.38	19.33	19.25	20.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.28	23.26	23.21	25.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.27	23.25	23.20	25.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.27	23.26	23.19	25.0



n25_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.85	22.90	22.98	24.0
20	PI/2 BPSK	1	53	23.01	23.20	23.19	
20	PI/2 BPSK	1	104	23.00	23.04	23.01	
20	PI/2 BPSK	50	0	22.94	22.95	22.94	24.0
20	PI/2 BPSK	50	28	22.95	23.08	23.05	24.0
20	PI/2 BPSK	50	56	22.90	23.05	23.01	24.0
20	PI/2 BPSK	100	0	22.91	23.01	22.99	
20	QPSK	1	1	22.86	22.86	22.86	24.0
20	QPSK	1	53	23.16	23.17	23.09	
20	QPSK	1	104	22.96	23.05	22.97	
20	QPSK	50	0	22.88	22.97	22.88	24.0
20	QPSK	50	28	22.99	23.05	23.01	24.0
20	QPSK	50	56	23.02	23.07	23.00	24.0
20	QPSK	100	0	23.02	23.04	23.00	
20	16QAM	1	1	22.91	22.91	22.87	24.0
20	64QAM	1	1	21.32	21.40	21.38	23.0
20	256QAM	1	1	19.31	19.38	19.29	21.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.86	22.85	22.95	24.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.82	22.83	22.91	24.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.83	22.81	22.90	24.0



n30_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.89		24.3
10	PI/2 BPSK	1	26		23.00		
10	PI/2 BPSK	1	50		23.22		
10	PI/2 BPSK	25	0		23.14		24.3
10	PI/2 BPSK	25	14		23.15		24.3
10	PI/2 BPSK	25	27		23.14		24.3
10	PI/2 BPSK	50	0		23.18		
10	QPSK	1	1		23.17		24.3
10	QPSK	1	26		23.21		
10	QPSK	1	50		23.18		
10	QPSK	25	0		23.18		23.8
10	QPSK	25	14		23.18		24.3
10	QPSK	25	27		23.18		23.8
10	QPSK	50	0		23.19		
10	16QAM	1	1		23.21		23.8
10	64QAM	1	1		21.39		22.3
10	256QAM	1	1		19.57		20.3
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	23.06	23.01	22.99	24.3



n66_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.02	23.03	23.02	24.2
40	PI/2 BPSK	1	108	23.52	23.56	23.47	
40	PI/2 BPSK	1	214	23.07	23.17	23.13	
40	PI/2 BPSK	108	0	23.10	23.20	23.20	24.2
40	PI/2 BPSK	108	54	23.31	23.39	23.31	24.2
40	PI/2 BPSK	108	108	23.36	23.36	23.28	24.2
40	PI/2 BPSK	216	0	23.17	23.25	23.19	
40	QPSK	1	1	23.00	23.03	23.02	24.2
40	QPSK	1	108	23.39	23.46	23.46	
40	QPSK	1	214	23.10	23.13	23.08	
40	QPSK	108	0	22.83	22.91	22.91	24.2
40	QPSK	108	54	23.34	23.38	23.35	24.2
40	QPSK	108	108	23.02	23.06	22.97	24.2
40	QPSK	216	0	22.86	22.95	22.95	
40	16QAM	1	1	22.57	22.63	22.61	24.2
40	64QAM	1	1	21.17	21.21	21.13	22.7
40	256QAM	1	1	18.92	18.94	18.89	20.7
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.05	23.06	23.04	24.2
Channel				#REF!	349000	#REF!	Tune-up limit (dBm)
Frequency (MHz)				#REF!	1745	#REF!	
20	PI/2 BPSK	1	1	23.03	23.01	23.06	24.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.06	23.05	23.07	24.2
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.05	23.03	23.04	24.2
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.06	23.01	23.09	24.2



n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.47	23.52	23.45	25.00
100	PI/2 BPSK	1	137	23.44	23.53	23.48	
100	PI/2 BPSK	1	271	23.50	23.60	23.51	
100	PI/2 BPSK	135	0	21.91	21.95	21.90	24.50
100	PI/2 BPSK	135	69	23.43	23.48	23.47	25.00
100	PI/2 BPSK	135	138	22.50	22.51	22.50	24.50
100	PI/2 BPSK	270	0	22.50	22.51	22.50	
100	QPSK	1	1	23.58	23.56	23.53	25.00
100	QPSK	1	137	23.57	23.55	23.55	
100	QPSK	1	271	23.55	23.59	23.58	
100	QPSK	135	0	22.44	22.45	22.44	25.00
100	QPSK	135	69	23.55	23.52	23.53	
100	QPSK	135	138	22.60	22.41	22.49	
100	QPSK	270	0	22.50	22.56	22.70	24.00
100	16QAM	1	1	22.70	22.65	22.71	24.00
100	64QAM	1	1	21.13	21.09	21.15	22.50
100	256QAM	1	1	19.16	19.16	19.13	20.50
Channel				649668	656000	662332	
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.56	23.59	23.54	25.00
Channel				649334	656000	662666	
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.54	23.58	23.42	25.00
Channel				649000	656000	663000	
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.55	23.53	23.48	25.00
Channel				648668	656000	663332	
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.53	23.52	23.40	25.00
Channel				648334	656000	663666	
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.51	23.55	23.53	25.00
Channel				648000	656000	664000	
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.42	23.45	23.49	25.00
Channel				647668	656000	664332	
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.43	23.51	23.35	25.00
Channel				647334	656000	664666	
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.57	23.39	23.36	25.00
Channel				647168	656000	664832	
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.47	23.50	23.41	25.00
Channel				647000	656000	665000	
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.57	23.58	23.53	25.00



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.93	26.06	26.02	27.20
100	PI/2 BPSK	1	137	25.86	26.04	25.79	
100	PI/2 BPSK	1	271	25.83	26.14	25.86	
100	PI/2 BPSK	135	0	25.30	25.51	25.24	27.20
100	PI/2 BPSK	135	69	25.87	26.03	25.90	27.20
100	PI/2 BPSK	135	138	25.43	25.45	25.16	27.20
100	PI/2 BPSK	270	0	25.36	25.58	25.44	
100	QPSK	1	1	25.92	26.04	25.90	27.20
100	QPSK	1	137	25.90	26.04	25.74	
100	QPSK	1	271	25.86	26.05	25.83	
100	QPSK	135	0	24.80	25.02	24.87	27.20
100	QPSK	135	69	25.88	26.05	25.95	
100	QPSK	135	138	24.94	24.97	24.71	
100	QPSK	270	0	24.86	25.11	24.94	26.20
100	16QAM	1	1	25.07	25.21	24.94	26.20
100	64QAM	1	1	23.47	23.64	23.53	24.70
100	256QAM	1	1	21.53	21.66	21.45	22.70
Channel				649668	656000	662332	
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.90	25.97	25.95	27.20
Channel				649334	656000	662666	
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.86	26.13	25.97	27.20
Channel				649000	656000	663000	
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.00	26.05	26.02	27.20
Channel				648668	656000	663332	
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.91	26.00	26.03	27.20
Channel				648334	656000	663666	
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.88	26.10	26.04	27.20
Channel				648000	656000	664000	
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.95	26.01	26.04	27.20
Channel				647668	656000	664332	
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.90	26.00	25.99	27.20
Channel				647334	656000	664666	
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.87	25.97	26.02	27.20
Channel				647168	656000	664832	
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.87	26.06	26.00	27.20
Channel				647000	656000	665000	
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.84	26.03	26.00	27.20





n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.39		25.00
100	PI/2 BPSK	1	137		23.29		
100	PI/2 BPSK	1	271		23.52		
100	PI/2 BPSK	135	0		21.78		24.50
100	PI/2 BPSK	135	69		23.25		25.00
100	PI/2 BPSK	135	138		22.51		24.50
100	PI/2 BPSK	270	0		22.52		
100	QPSK	1	1		23.45		25.00
100	QPSK	1	137		23.46		
100	QPSK	1	271		23.45		
100	QPSK	135	0		22.51		25.00
100	QPSK	135	69		23.46		
100	QPSK	135	138		22.39		
100	QPSK	270	0		22.79		24.00
100	16QAM	1	1		22.77		24.00
100	64QAM	1	1		21.16		22.50
100	256QAM	1	1		19.14		20.50
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.27	23.49	23.40	25.00
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.23	23.41	23.45	25.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.24	23.34	23.38	25.00
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.33	23.42	23.51	25.00
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.25	23.42	23.42	25.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.35	23.41	23.37	25.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.22	23.50	23.45	25.00
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.25	23.40	23.38	25.00
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.23	23.51	23.49	25.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.26	23.47	23.41	25.00



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.78		27.20
100	PI/2 BPSK	1	137		25.67		
100	PI/2 BPSK	1	271		25.79		
100	PI/2 BPSK	135	0		25.14		26.70
100	PI/2 BPSK	135	69		25.65		27.20
100	PI/2 BPSK	135	138		25.24		26.70
100	PI/2 BPSK	270	0		25.28		
100	QPSK	1	1		25.77		27.20
100	QPSK	1	137		25.69		
100	QPSK	1	271		25.77		
100	QPSK	135	0		24.65		27.20
100	QPSK	135	69		25.68		
100	QPSK	135	138		24.75		
100	QPSK	270	0		24.80		26.20
100	16QAM	1	1		24.94		26.20
100	64QAM	1	1		23.37		24.70
100	256QAM	1	1		21.39		22.70
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.73	25.69	25.67	27.20
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.70	25.54	25.55	27.20
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.67	25.56	25.59	27.20
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.66	25.54	25.57	27.20
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.66	25.53	25.63	27.20
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.69	25.56	25.57	27.20
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.70	25.60	25.61	27.20
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.72	25.67	25.51	27.20
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.74	25.67	25.60	27.20
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.75	25.68	25.59	27.20



n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.29	21.30	21.33	21.60
100	PI/2 BPSK	1	137	21.26	21.33	21.25	
100	PI/2 BPSK	1	271	21.52	21.59	21.55	
100	PI/2 BPSK	135	0	21.23	21.30	21.34	21.60
100	PI/2 BPSK	135	69	21.20	21.36	21.19	21.60
100	PI/2 BPSK	135	138	21.32	21.35	21.29	21.60
100	PI/2 BPSK	270	0	21.26	21.30	21.22	
100	QPSK	1	1	21.25	21.34	21.33	21.60
100	QPSK	1	137	21.21	21.22	21.19	
100	QPSK	1	271	21.43	21.50	21.49	
100	QPSK	135	0	21.31	21.35	21.28	21.60
100	QPSK	135	69	21.21	21.25	21.24	
100	QPSK	135	138	21.29	21.37	21.33	
100	QPSK	270	0	21.31	21.31	21.25	21.60
100	16QAM	1	1	21.21	21.29	21.29	21.60
100	64QAM	1	1	20.92	21.00	20.90	21.60
100	256QAM	1	1	18.93	18.91	18.94	20.10
Channel				649668	656000	662332	
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.36	21.20	21.36	21.60
Channel				649334	656000	662666	
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.25	21.30	21.30	21.60
Channel				649000	656000	663000	
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.39	21.22	21.25	21.60
Channel				648668	656000	663332	
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.23	21.34	21.40	21.60
Channel				648334	656000	663666	
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.33	21.26	21.43	21.60
Channel				648000	656000	664000	
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.26	21.22	21.27	21.60
Channel				647668	656000	664332	
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.39	21.34	21.39	21.60
Channel				647334	656000	664666	
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.23	21.24	21.39	21.60
Channel				647168	656000	664832	
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.33	21.36	21.27	21.60
Channel				647000	656000	665000	
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.36	21.40	21.25	21.60



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.60
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.74	23.83	23.66	24.60
100	PI/2 BPSK	1	137	23.63	23.70	23.60	
100	PI/2 BPSK	1	271	23.90	23.97	23.87	
100	PI/2 BPSK	135	0	23.65	23.72	23.62	24.60
100	PI/2 BPSK	135	69	23.72	23.89	23.69	24.60
100	PI/2 BPSK	135	138	23.67	23.74	23.64	24.60
100	PI/2 BPSK	270	0	23.69	23.76	23.66	
100	QPSK	1	1	23.70	23.77	23.67	24.60
100	QPSK	1	137	23.60	23.67	23.57	
100	QPSK	1	271	23.88	23.95	23.85	
100	QPSK	135	0	23.64	23.71	23.61	24.60
100	QPSK	135	69	23.68	23.75	23.65	
100	QPSK	135	138	23.66	23.73	23.63	
100	QPSK	270	0	23.67	23.74	23.64	24.60
100	16QAM	1	1	23.63	23.70	23.60	24.60
100	64QAM	1	1	23.19	23.26	23.16	24.60
100	256QAM	1	1	21.19	21.26	21.16	22.60
Channel				649668	656000	662332	24.60
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.71	23.76	23.57	24.60
Channel				649334	656000	662666	24.60
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.74	23.81	23.64	24.60
Channel				649000	656000	663000	24.60
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.65	23.80	23.57	24.60
Channel				648668	656000	663332	24.60
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.65	23.75	23.63	24.60
Channel				648334	656000	663666	24.60
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.69	23.78	23.62	24.60
Channel				648000	656000	664000	24.60
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.65	23.74	23.58	24.60
Channel				647668	656000	664332	24.60
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.73	23.79	23.60	24.60
Channel				647334	656000	664666	24.60
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.66	23.73	23.61	24.60
Channel				647168	656000	664832	24.60
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.64	23.73	23.58	24.60
Channel				647000	656000	665000	24.60
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.64	23.77	23.59	24.60



n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.06		21.60
100	PI/2 BPSK	1	137		21.18		
100	PI/2 BPSK	1	271		21.19		
100	PI/2 BPSK	135	0		21.04		21.60
100	PI/2 BPSK	135	69		21.22		21.60
100	PI/2 BPSK	135	138		21.17		21.60
100	PI/2 BPSK	270	0		21.19		
100	QPSK	1	1		21.14		21.60
100	QPSK	1	137		21.14		
100	QPSK	1	271		21.19		
100	QPSK	135	0		21.08		21.60
100	QPSK	135	69		21.18		
100	QPSK	135	138		21.17		
100	QPSK	270	0		21.15		21.60
100	16QAM	1	1		21.15		21.60
100	64QAM	1	1		20.68		21.60
100	256QAM	1	1		18.92		20.10
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.02	20.98	21.05	21.60
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.15	21.15	21.00	21.60
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.98	21.08	21.01	21.60
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.11	21.09	21.02	21.60
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.98	21.07	21.07	21.60
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.11	21.01	21.07	21.60
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.02	21.08	21.16	21.60
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.07	21.00	21.15	21.60
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.08	21.00	21.18	21.60
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.03	21.15	21.17	21.60



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.56		24.60
100	PI/2 BPSK	1	137		23.65		
100	PI/2 BPSK	1	271		23.81		
100	PI/2 BPSK	135	0		23.51		24.60
100	PI/2 BPSK	135	69		23.76		24.60
100	PI/2 BPSK	135	138		23.61		24.60
100	PI/2 BPSK	270	0		23.59		
100	QPSK	1	1		23.48		24.60
100	QPSK	1	137		23.61		
100	QPSK	1	271		23.63		
100	QPSK	135	0		23.47		24.60
100	QPSK	135	69		23.62		
100	QPSK	135	138		23.59		
100	QPSK	270	0		23.57		24.60
100	16QAM	1	1		23.40		24.60
100	64QAM	1	1		23.07		24.60
100	256QAM	1	1		21.14		22.60
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.49	23.54	23.42	24.60
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.46	23.48	23.42	24.60
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.45	23.45	23.40	24.60
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.42	23.46	23.43	24.60
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.45	23.47	23.41	24.60
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.42	23.47	23.42	24.60
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.41	23.48	23.41	24.60
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.49	23.49	23.49	24.60
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.41	23.53	23.42	24.60
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.47	23.54	23.45	24.60



n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.29	21.30	21.33	22.40
100	PI/2 BPSK	1	137	21.26	21.33	21.25	
100	PI/2 BPSK	1	271	21.52	21.59	21.55	
100	PI/2 BPSK	135	0	21.23	21.30	21.34	22.40
100	PI/2 BPSK	135	69	21.20	21.36	21.19	22.40
100	PI/2 BPSK	135	138	21.32	21.35	21.29	22.40
100	PI/2 BPSK	270	0	21.26	21.30	21.22	
100	QPSK	1	1	21.25	21.34	21.33	22.40
100	QPSK	1	137	21.21	21.22	21.19	
100	QPSK	1	271	21.43	21.50	21.49	
100	QPSK	135	0	21.31	21.35	21.28	22.40
100	QPSK	135	69	21.21	21.25	21.24	
100	QPSK	135	138	21.29	21.37	21.33	
100	QPSK	270	0	21.31	21.31	21.25	22.40
100	16QAM	1	1	21.21	21.29	21.29	22.40
100	64QAM	1	1	20.92	21.00	20.90	22.40
100	256QAM	1	1	18.93	18.91	18.94	20.90
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.36	21.20	21.36	22.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.25	21.30	21.30	22.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.39	21.22	21.25	22.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.23	21.34	21.40	22.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.33	21.26	21.43	22.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.26	21.22	21.27	22.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.39	21.34	21.39	22.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.23	21.24	21.39	22.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.33	21.36	21.27	22.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.36	21.40	21.25	22.40



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.74	23.83	23.66	25.40
100	PI/2 BPSK	1	137	23.63	23.70	23.60	
100	PI/2 BPSK	1	271	23.90	23.97	23.87	
100	PI/2 BPSK	135	0	23.65	23.72	23.62	25.40
100	PI/2 BPSK	135	69	23.72	23.89	23.69	25.40
100	PI/2 BPSK	135	138	23.67	23.74	23.64	25.40
100	PI/2 BPSK	270	0	23.69	23.76	23.66	
100	QPSK	1	1	23.70	23.77	23.67	25.40
100	QPSK	1	137	23.60	23.67	23.57	
100	QPSK	1	271	23.88	23.95	23.85	
100	QPSK	135	0	23.64	23.71	23.61	25.40
100	QPSK	135	69	23.68	23.75	23.65	
100	QPSK	135	138	23.66	23.73	23.63	
100	QPSK	270	0	23.67	23.74	23.64	25.40
100	16QAM	1	1	23.63	23.70	23.60	25.40
100	64QAM	1	1	23.19	23.26	23.16	25.40
100	256QAM	1	1	21.19	21.26	21.16	23.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.71	23.76	23.57	25.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.74	23.81	23.64	25.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.65	23.80	23.57	25.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.65	23.75	23.63	25.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.69	23.78	23.62	25.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.65	23.74	23.58	25.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.73	23.79	23.60	25.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.66	23.73	23.61	25.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.64	23.73	23.58	25.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.64	23.77	23.59	25.40





n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.06		22.40
100	PI/2 BPSK	1	137		21.18		
100	PI/2 BPSK	1	271		21.19		
100	PI/2 BPSK	135	0		21.04		22.40
100	PI/2 BPSK	135	69		21.22		22.40
100	PI/2 BPSK	135	138		21.17		22.40
100	PI/2 BPSK	270	0		21.19		
100	QPSK	1	1		21.14		22.40
100	QPSK	1	137		21.14		
100	QPSK	1	271		21.19		
100	QPSK	135	0		21.08		22.40
100	QPSK	135	69		21.18		
100	QPSK	135	138		21.17		
100	QPSK	270	0		21.15		22.40
100	16QAM	1	1		21.15		22.40
100	64QAM	1	1		20.68		22.40
100	256QAM	1	1		18.92		20.90
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.02	20.98	21.05	22.40
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.15	21.15	21.00	22.40
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.98	21.08	21.01	22.40
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.11	21.09	21.02	22.40
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.98	21.07	21.07	22.40
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.11	21.01	21.07	22.40
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.02	21.08	21.16	22.40
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.07	21.00	21.15	22.40
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.08	21.00	21.18	22.40
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.03	21.15	21.17	22.40



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.56		25.40
100	PI/2 BPSK	1	137		23.65		
100	PI/2 BPSK	1	271		23.81		
100	PI/2 BPSK	135	0		23.51		25.40
100	PI/2 BPSK	135	69		23.76		25.40
100	PI/2 BPSK	135	138		23.61		25.40
100	PI/2 BPSK	270	0		23.59		
100	QPSK	1	1		23.48		25.40
100	QPSK	1	137		23.61		
100	QPSK	1	271		23.63		
100	QPSK	135	0		23.47		25.40
100	QPSK	135	69		23.62		
100	QPSK	135	138		23.59		
100	QPSK	270	0		23.57		25.40
100	16QAM	1	1		23.40		25.40
100	64QAM	1	1		23.07		25.40
100	256QAM	1	1		21.14		23.40
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.49	23.54	23.42	25.40
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.46	23.48	23.42	25.40
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.45	23.45	23.40	25.40
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.42	23.46	23.43	25.40
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.45	23.47	23.41	25.40
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.42	23.47	23.42	25.40
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.41	23.48	23.41	25.40
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.49	23.49	23.49	25.40
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.41	23.53	23.42	25.40
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.47	23.54	23.45	25.40



n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.29	21.30	21.33	21.60
100	PI/2 BPSK	1	137	21.26	21.33	21.25	
100	PI/2 BPSK	1	271	21.52	21.59	21.55	
100	PI/2 BPSK	135	0	21.23	21.30	21.34	21.60
100	PI/2 BPSK	135	69	21.20	21.36	21.19	21.60
100	PI/2 BPSK	135	138	21.32	21.35	21.29	21.60
100	PI/2 BPSK	270	0	21.26	21.30	21.22	
100	QPSK	1	1	21.25	21.34	21.33	21.60
100	QPSK	1	137	21.21	21.22	21.19	
100	QPSK	1	271	21.43	21.50	21.49	
100	QPSK	135	0	21.31	21.35	21.28	21.60
100	QPSK	135	69	21.21	21.25	21.24	
100	QPSK	135	138	21.29	21.37	21.33	
100	QPSK	270	0	21.31	21.31	21.25	21.60
100	16QAM	1	1	21.21	21.29	21.29	21.60
100	64QAM	1	1	20.92	21.00	20.90	21.60
100	256QAM	1	1	18.93	18.91	18.94	20.10
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.36	21.20	21.36	21.60
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.25	21.30	21.30	21.60
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.39	21.22	21.25	21.60
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.23	21.34	21.40	21.60
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.33	21.26	21.43	21.60
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.26	21.22	21.27	21.60
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.39	21.34	21.39	21.60
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.23	21.24	21.39	21.60
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.33	21.36	21.27	21.60
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.36	21.40	21.25	21.60



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.60
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.74	23.83	23.66	24.60
100	PI/2 BPSK	1	137	23.63	23.70	23.60	
100	PI/2 BPSK	1	271	23.90	23.97	23.87	
100	PI/2 BPSK	135	0	23.65	23.72	23.62	24.60
100	PI/2 BPSK	135	69	23.72	23.89	23.69	24.60
100	PI/2 BPSK	135	138	23.67	23.74	23.64	24.60
100	PI/2 BPSK	270	0	23.69	23.76	23.66	
100	QPSK	1	1	23.70	23.77	23.67	24.60
100	QPSK	1	137	23.60	23.67	23.57	
100	QPSK	1	271	23.88	23.95	23.85	
100	QPSK	135	0	23.64	23.71	23.61	24.60
100	QPSK	135	69	23.68	23.75	23.65	
100	QPSK	135	138	23.66	23.73	23.63	
100	QPSK	270	0	23.67	23.74	23.64	24.60
100	16QAM	1	1	23.63	23.70	23.60	24.60
100	64QAM	1	1	23.19	23.26	23.16	24.60
100	256QAM	1	1	21.19	21.26	21.16	22.60
Channel				649668	656000	662332	24.60
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.71	23.76	23.57	24.60
Channel				649334	656000	662666	24.60
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.74	23.81	23.64	24.60
Channel				649000	656000	663000	24.60
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.65	23.80	23.57	24.60
Channel				648668	656000	663332	24.60
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.65	23.75	23.63	24.60
Channel				648334	656000	663666	24.60
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.69	23.78	23.62	24.60
Channel				648000	656000	664000	24.60
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.65	23.74	23.58	24.60
Channel				647668	656000	664332	24.60
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.73	23.79	23.60	24.60
Channel				647334	656000	664666	24.60
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.66	23.73	23.61	24.60
Channel				647168	656000	664832	24.60
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.64	23.73	23.58	24.60
Channel				647000	656000	665000	24.60
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.64	23.77	23.59	24.60



n77 PC3_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.06		21.60
100	PI/2 BPSK	1	137		21.18		
100	PI/2 BPSK	1	271		21.19		
100	PI/2 BPSK	135	0		21.04		21.60
100	PI/2 BPSK	135	69		21.22		21.60
100	PI/2 BPSK	135	138		21.17		21.60
100	PI/2 BPSK	270	0		21.19		
100	QPSK	1	1		21.14		21.60
100	QPSK	1	137		21.14		
100	QPSK	1	271		21.19		
100	QPSK	135	0		21.08		21.60
100	QPSK	135	69		21.18		
100	QPSK	135	138		21.17		
100	QPSK	270	0		21.15		21.60
100	16QAM	1	1		21.15		21.60
100	64QAM	1	1		20.68		21.60
100	256QAM	1	1		18.92		20.10
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.02	20.98	21.05	21.60
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.15	21.15	21.00	21.60
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.98	21.08	21.01	21.60
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.11	21.09	21.02	21.60
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.98	21.07	21.07	21.60
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.11	21.01	21.07	21.60
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.02	21.08	21.16	21.60
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.07	21.00	21.15	21.60
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.08	21.00	21.18	21.60
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.03	21.15	21.17	21.60



n77 PC2_Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.56		24.60
100	PI/2 BPSK	1	137		23.65		
100	PI/2 BPSK	1	271		23.81		
100	PI/2 BPSK	135	0		23.51		24.60
100	PI/2 BPSK	135	69		23.76		24.60
100	PI/2 BPSK	135	138		23.61		24.60
100	PI/2 BPSK	270	0		23.59		
100	QPSK	1	1		23.48		24.60
100	QPSK	1	137		23.61		
100	QPSK	1	271		23.63		
100	QPSK	135	0		23.47		24.60
100	QPSK	135	69		23.62		
100	QPSK	135	138		23.59		
100	QPSK	270	0		23.57		24.60
100	16QAM	1	1		23.40		24.60
100	64QAM	1	1		23.07		24.60
100	256QAM	1	1		21.14		22.60
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.49	23.54	23.42	24.60
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.46	23.48	23.42	24.60
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.45	23.45	23.40	24.60
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.42	23.46	23.43	24.60
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.45	23.47	23.41	24.60
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.42	23.47	23.42	24.60
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.41	23.48	23.41	24.60
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.49	23.49	23.49	24.60
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.41	23.53	23.42	24.60
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.47	23.54	23.45	24.60



n77 PC3_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.95	22.01	22.20	23.75
100	PI/2 BPSK	1	137	21.76	22.11	22.04	
100	PI/2 BPSK	1	271	21.97	22.34	22.33	
100	PI/2 BPSK	135	0	20.29	20.66	20.73	23.25
100	PI/2 BPSK	135	69	21.77	22.07	22.04	23.75
100	PI/2 BPSK	135	138	21.26	21.25	21.25	23.25
100	PI/2 BPSK	270	0	21.25	21.30	21.26	
100	QPSK	1	1	21.98	22.03	22.33	23.75
100	QPSK	1	137	21.92	22.16	22.15	
100	QPSK	1	271	21.91	22.28	22.33	
100	QPSK	135	0	20.87	21.12	21.30	23.75
100	QPSK	135	69	21.91	22.13	22.17	
100	QPSK	135	138	21.03	21.32	21.24	
100	QPSK	270	0	20.97	21.31	21.36	22.75
100	16QAM	1	1	21.13	21.20	21.46	22.75
100	64QAM	1	1	19.59	19.63	19.92	21.25
100	256QAM	1	1	17.65	17.67	17.93	19.25
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.64	21.60	21.60	23.75
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.92	21.85	21.88	23.75
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.90	21.92	21.93	23.75
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.91	21.88	21.83	23.75
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.83	21.91	21.78	23.75
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.95	21.90	22.00	23.75
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.95	21.97	21.81	23.75
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.80	21.92	21.90	23.75
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.90	22.06	21.92	23.75
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.79	22.06	21.96	23.75



n77 PC2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.51	24.59	24.80	25.90
100	PI/2 BPSK	1	137	24.44	24.65	24.61	
100	PI/2 BPSK	1	271	24.42	24.92	24.84	
100	PI/2 BPSK	135	0	23.89	24.17	24.28	25.90
100	PI/2 BPSK	135	69	24.46	24.62	24.60	25.90
100	PI/2 BPSK	135	138	24.05	24.35	24.20	25.90
100	PI/2 BPSK	270	0	24.02	24.31	24.26	
100	QPSK	1	1	24.52	24.49	24.78	25.90
100	QPSK	1	137	24.45	24.62	24.61	
100	QPSK	1	271	24.44	24.81	24.90	
100	QPSK	135	0	23.44	23.67	23.78	25.90
100	QPSK	135	69	24.44	24.62	24.59	
100	QPSK	135	138	23.57	23.87	23.69	
100	QPSK	270	0	23.52	23.78	23.84	24.90
100	16QAM	1	1	23.68	23.68	23.93	24.90
100	64QAM	1	1	22.15	22.11	22.40	23.40
100	256QAM	1	1	20.17	20.13	20.42	21.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.49	24.21	24.67	25.90
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.45	24.25	24.55	25.90
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.41	24.28	24.49	25.90
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.42	24.53	24.68	25.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.42	24.52	24.58	25.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.42	24.55	24.68	25.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.45	24.58	24.64	25.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.47	24.62	24.56	25.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.50	24.66	24.53	25.90
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.51	24.68	24.57	25.90





n77 PC3_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.22		23.75
100	PI/2 BPSK	1	137		22.18		
100	PI/2 BPSK	1	271		22.28		
100	PI/2 BPSK	135	0		21.30		23.25
100	PI/2 BPSK	135	69		22.17		23.75
100	PI/2 BPSK	135	138		21.86		23.25
100	PI/2 BPSK	270	0		21.81		
100	QPSK	1	1		22.27		23.75
100	QPSK	1	137		22.26		
100	QPSK	1	271		22.05		
100	QPSK	135	0		21.28		23.75
100	QPSK	135	69		22.25		
100	QPSK	135	138		21.40		
100	QPSK	270	0		21.36		
100	16QAM	1	1		21.60		22.75
100	64QAM	1	1		20.04		21.25
100	256QAM	1	1		18.12		19.25
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.10	22.03	22.20	23.75
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.08	22.04	22.16	23.75
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.21	22.19	22.20	23.75
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.05	22.17	22.27	23.75
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.09	22.22	22.16	23.75
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.22	22.09	22.22	23.75
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.20	22.07	22.27	23.75
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.18	22.01	22.16	23.75
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.25	22.16	22.24	23.75
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.22	22.06	22.22	23.75



n77 PC2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.82		25.90
100	PI/2 BPSK	1	137		24.59		
100	PI/2 BPSK	1	271		24.85		
100	PI/2 BPSK	135	0		24.11		25.40
100	PI/2 BPSK	135	69		24.66		25.90
100	PI/2 BPSK	135	138		24.19		25.40
100	PI/2 BPSK	270	0		24.16		
100	QPSK	1	1		24.78		25.90
100	QPSK	1	137		24.57		
100	QPSK	1	271		24.60		
100	QPSK	135	0		23.59		25.90
100	QPSK	135	69		24.52		
100	QPSK	135	138		23.71		
100	QPSK	270	0		23.67		24.90
100	16QAM	1	1		23.91		24.90
100	64QAM	1	1		22.38		23.40
100	256QAM	1	1		20.38		21.40
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.77	24.71	24.75	25.90
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.67	24.64	24.55	25.90
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.65	24.62	24.60	25.90
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.64	24.46	24.39	25.90
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.66	24.47	24.50	25.90
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.68	24.49	24.42	25.90
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.69	24.49	24.50	25.90
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.71	24.46	24.43	25.90
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.74	24.50	24.55	25.90
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.76	24.51	24.46	25.90



n77 PC3_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.95	22.01	22.20	22.80
100	PI/2 BPSK	1	137	21.76	22.11	22.04	
100	PI/2 BPSK	1	271	21.97	22.34	22.33	
100	PI/2 BPSK	135	0	20.29	20.66	20.73	22.30
100	PI/2 BPSK	135	69	21.77	22.07	22.04	22.80
100	PI/2 BPSK	135	138	21.26	21.25	21.25	22.30
100	PI/2 BPSK	270	0	21.25	21.30	21.26	
100	QPSK	1	1	21.98	22.03	22.33	22.80
100	QPSK	1	137	21.92	22.16	22.15	
100	QPSK	1	271	21.91	22.28	22.33	
100	QPSK	135	0	20.87	21.12	21.30	22.80
100	QPSK	135	69	21.91	22.13	22.17	
100	QPSK	135	138	21.03	21.32	21.24	
100	QPSK	270	0	20.97	21.31	21.36	21.80
100	16QAM	1	1	21.13	21.20	21.46	21.80
100	64QAM	1	1	19.59	19.63	19.92	20.30
100	256QAM	1	1	17.65	17.67	17.93	18.30
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.64	21.60	21.60	22.80
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.92	21.85	21.88	22.80
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.90	21.92	21.93	22.80
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.91	21.88	21.83	22.80
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.83	21.91	21.78	22.80
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.95	21.90	22.00	22.80
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.95	21.97	21.81	22.80
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.80	21.92	21.90	22.80
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.90	22.06	21.92	22.80
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.79	22.06	21.96	22.80



n77 PC2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.51	24.59	24.80	25.80
100	PI/2 BPSK	1	137	24.44	24.65	24.61	
100	PI/2 BPSK	1	271	24.42	24.92	24.84	
100	PI/2 BPSK	135	0	23.89	24.17	24.28	25.80
100	PI/2 BPSK	135	69	24.46	24.62	24.60	25.80
100	PI/2 BPSK	135	138	24.05	24.35	24.20	25.80
100	PI/2 BPSK	270	0	24.02	24.31	24.26	
100	QPSK	1	1	24.52	24.49	24.78	25.80
100	QPSK	1	137	24.45	24.62	24.61	
100	QPSK	1	271	24.44	24.81	24.90	
100	QPSK	135	0	23.44	23.67	23.78	25.80
100	QPSK	135	69	24.44	24.62	24.59	
100	QPSK	135	138	23.57	23.87	23.69	
100	QPSK	270	0	23.52	23.78	23.84	24.80
100	16QAM	1	1	23.68	23.68	23.93	24.80
100	64QAM	1	1	22.15	22.11	22.40	23.30
100	256QAM	1	1	20.17	20.13	20.42	21.30
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.49	24.21	24.67	25.80
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.45	24.25	24.55	25.80
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.41	24.28	24.49	25.80
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.42	24.53	24.68	25.80
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.42	24.52	24.58	25.80
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.42	24.55	24.68	25.80
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.45	24.58	24.64	25.80
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.47	24.62	24.56	25.80
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.50	24.66	24.53	25.80
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.51	24.68	24.57	25.80



n77 PC3_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.22		22.80
100	PI/2 BPSK	1	137		22.18		
100	PI/2 BPSK	1	271		22.28		
100	PI/2 BPSK	135	0		21.30		22.30
100	PI/2 BPSK	135	69		22.17		22.80
100	PI/2 BPSK	135	138		21.86		22.30
100	PI/2 BPSK	270	0		21.81		
100	QPSK	1	1		22.27		22.80
100	QPSK	1	137		22.26		
100	QPSK	1	271		22.05		
100	QPSK	135	0		21.28		22.80
100	QPSK	135	69		22.25		
100	QPSK	135	138		21.40		
100	QPSK	270	0		21.36		21.80
100	16QAM	1	1		21.60		21.80
100	64QAM	1	1		20.04		20.30
100	256QAM	1	1		18.12		18.30
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.10	22.03	22.20	22.80
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.08	22.04	22.16	22.80
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.21	22.19	22.20	22.80
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.05	22.17	22.27	22.80
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.09	22.22	22.16	22.80
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.22	22.09	22.22	22.80
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.20	22.07	22.27	22.80
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.18	22.01	22.16	22.80
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.25	22.16	22.24	22.80
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.22	22.06	22.22	22.80



n77 PC2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.82		25.80
100	PI/2 BPSK	1	137		24.59		
100	PI/2 BPSK	1	271		24.85		
100	PI/2 BPSK	135	0		24.11		25.30
100	PI/2 BPSK	135	69		24.66		25.80
100	PI/2 BPSK	135	138		24.19		25.30
100	PI/2 BPSK	270	0		24.16		
100	QPSK	1	1		24.78		25.80
100	QPSK	1	137		24.57		
100	QPSK	1	271		24.60		
100	QPSK	135	0		23.59		25.80
100	QPSK	135	69		24.52		
100	QPSK	135	138		23.71		
100	QPSK	270	0		23.67		24.80
100	16QAM	1	1		23.91		24.80
100	64QAM	1	1		22.38		23.30
100	256QAM	1	1		20.38		21.30
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.77	24.71	24.75	25.80
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.67	24.64	24.55	25.80
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.65	24.62	24.60	25.80
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.64	24.46	24.39	25.80
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.66	24.47	24.50	25.80
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.68	24.49	24.42	25.80
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.69	24.49	24.50	25.80
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.71	24.46	24.43	25.80
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.74	24.50	24.55	25.80
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.76	24.51	24.46	25.80



n77 PC3_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.95	22.01	22.20	23.60
100	PI/2 BPSK	1	137	21.76	22.11	22.04	
100	PI/2 BPSK	1	271	21.97	22.34	22.33	
100	PI/2 BPSK	135	0	20.29	20.66	20.73	23.10
100	PI/2 BPSK	135	69	21.77	22.07	22.04	23.60
100	PI/2 BPSK	135	138	21.26	21.25	21.25	23.10
100	PI/2 BPSK	270	0	21.25	21.30	21.26	
100	QPSK	1	1	21.98	22.03	22.33	23.60
100	QPSK	1	137	21.92	22.16	22.15	
100	QPSK	1	271	21.91	22.28	22.33	
100	QPSK	135	0	20.87	21.12	21.30	23.60
100	QPSK	135	69	21.91	22.13	22.17	
100	QPSK	135	138	21.03	21.32	21.24	
100	QPSK	270	0	20.97	21.31	21.36	22.60
100	16QAM	1	1	21.13	21.20	21.46	22.60
100	64QAM	1	1	19.59	19.63	19.92	21.10
100	256QAM	1	1	17.65	17.67	17.93	19.10
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.64	21.60	21.60	23.60
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.92	21.85	21.88	23.60
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.90	21.92	21.93	23.60
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.91	21.88	21.83	23.60
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.83	21.91	21.78	23.60
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.95	21.90	22.00	23.60
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.95	21.97	21.81	23.60
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.80	21.92	21.90	23.60
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.90	22.06	21.92	23.60
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.79	22.06	21.96	23.60



n77 PC2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.51	24.59	24.80	25.90
100	PI/2 BPSK	1	137	24.44	24.65	24.61	
100	PI/2 BPSK	1	271	24.42	24.92	24.84	
100	PI/2 BPSK	135	0	23.89	24.17	24.28	25.90
100	PI/2 BPSK	135	69	24.46	24.62	24.60	25.90
100	PI/2 BPSK	135	138	24.05	24.35	24.20	25.90
100	PI/2 BPSK	270	0	24.02	24.31	24.26	
100	QPSK	1	1	24.52	24.49	24.78	25.90
100	QPSK	1	137	24.45	24.62	24.61	
100	QPSK	1	271	24.44	24.81	24.90	
100	QPSK	135	0	23.44	23.67	23.78	25.90
100	QPSK	135	69	24.44	24.62	24.59	
100	QPSK	135	138	23.57	23.87	23.69	
100	QPSK	270	0	23.52	23.78	23.84	24.90
100	16QAM	1	1	23.68	23.68	23.93	24.90
100	64QAM	1	1	22.15	22.11	22.40	23.40
100	256QAM	1	1	20.17	20.13	20.42	21.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.49	24.21	24.67	25.90
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.45	24.25	24.55	25.90
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.41	24.28	24.49	25.90
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.42	24.53	24.68	25.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.42	24.52	24.58	25.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.42	24.55	24.68	25.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.45	24.58	24.64	25.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.47	24.62	24.56	25.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.50	24.66	24.53	25.90
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.51	24.68	24.57	25.90





n77 PC3_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.22		23.60
100	PI/2 BPSK	1	137		22.18		
100	PI/2 BPSK	1	271		22.28		
100	PI/2 BPSK	135	0		21.30		23.10
100	PI/2 BPSK	135	69		22.17		23.60
100	PI/2 BPSK	135	138		21.86		23.10
100	PI/2 BPSK	270	0		21.81		
100	QPSK	1	1		22.27		23.60
100	QPSK	1	137		22.26		
100	QPSK	1	271		22.05		
100	QPSK	135	0		21.28		23.60
100	QPSK	135	69		22.25		
100	QPSK	135	138		21.40		
100	QPSK	270	0		21.36		
100	16QAM	1	1		21.60		22.60
100	64QAM	1	1		20.04		21.10
100	256QAM	1	1		18.12		19.10
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.10	22.03	22.20	23.60
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.08	22.04	22.16	23.60
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.21	22.19	22.20	23.60
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.05	22.17	22.27	23.60
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.09	22.22	22.16	23.60
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.22	22.09	22.22	23.60
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.20	22.07	22.27	23.60
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.18	22.01	22.16	23.60
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.25	22.16	22.24	23.60
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.22	22.06	22.22	23.60



n77 PC2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.82		25.90
100	PI/2 BPSK	1	137		24.59		
100	PI/2 BPSK	1	271		24.85		
100	PI/2 BPSK	135	0		24.11		25.40
100	PI/2 BPSK	135	69		24.66		25.90
100	PI/2 BPSK	135	138		24.19		25.40
100	PI/2 BPSK	270	0		24.16		
100	QPSK	1	1		24.78		25.90
100	QPSK	1	137		24.57		
100	QPSK	1	271		24.60		
100	QPSK	135	0		23.59		25.90
100	QPSK	135	69		24.52		
100	QPSK	135	138		23.71		
100	QPSK	270	0		23.67		24.90
100	16QAM	1	1		23.91		24.90
100	64QAM	1	1		22.38		23.40
100	256QAM	1	1		20.38		21.40
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.77	24.71	24.75	25.90
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.67	24.64	24.55	25.90
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.65	24.62	24.60	25.90
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.64	24.46	24.39	25.90
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.66	24.47	24.50	25.90
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.68	24.49	24.42	25.90
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.69	24.49	24.50	25.90
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.71	24.46	24.43	25.90
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.74	24.50	24.55	25.90
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.76	24.51	24.46	25.90



n77 PC3_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.95	22.01	22.20	22.80
100	PI/2 BPSK	1	137	21.76	22.11	22.04	
100	PI/2 BPSK	1	271	21.97	22.34	22.33	
100	PI/2 BPSK	135	0	20.29	20.66	20.73	22.30
100	PI/2 BPSK	135	69	21.77	22.07	22.04	22.80
100	PI/2 BPSK	135	138	21.26	21.25	21.25	22.30
100	PI/2 BPSK	270	0	21.25	21.30	21.26	
100	QPSK	1	1	21.98	22.03	22.33	22.80
100	QPSK	1	137	21.92	22.16	22.15	
100	QPSK	1	271	21.91	22.28	22.33	
100	QPSK	135	0	20.87	21.12	21.30	22.80
100	QPSK	135	69	21.91	22.13	22.17	
100	QPSK	135	138	21.03	21.32	21.24	
100	QPSK	270	0	20.97	21.31	21.36	21.80
100	16QAM	1	1	21.13	21.20	21.46	21.80
100	64QAM	1	1	19.59	19.63	19.92	20.30
100	256QAM	1	1	17.65	17.67	17.93	18.30
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.64	21.60	21.60	22.80
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.92	21.85	21.88	22.80
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.90	21.92	21.93	22.80
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.91	21.88	21.83	22.80
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.83	21.91	21.78	22.80
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.95	21.90	22.00	22.80
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.95	21.97	21.81	22.80
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.80	21.92	21.90	22.80
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.90	22.06	21.92	22.80
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.79	22.06	21.96	22.80



n77 PC2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.51	24.59	24.80	25.80
100	PI/2 BPSK	1	137	24.44	24.65	24.61	
100	PI/2 BPSK	1	271	24.42	24.92	24.84	
100	PI/2 BPSK	135	0	23.89	24.17	24.28	25.80
100	PI/2 BPSK	135	69	24.46	24.62	24.60	25.80
100	PI/2 BPSK	135	138	24.05	24.35	24.20	25.80
100	PI/2 BPSK	270	0	24.02	24.31	24.26	
100	QPSK	1	1	24.52	24.49	24.78	25.80
100	QPSK	1	137	24.45	24.62	24.61	
100	QPSK	1	271	24.44	24.81	24.90	
100	QPSK	135	0	23.44	23.67	23.78	25.80
100	QPSK	135	69	24.44	24.62	24.59	
100	QPSK	135	138	23.57	23.87	23.69	
100	QPSK	270	0	23.52	23.78	23.84	24.80
100	16QAM	1	1	23.68	23.68	23.93	24.80
100	64QAM	1	1	22.15	22.11	22.40	23.30
100	256QAM	1	1	20.17	20.13	20.42	21.30
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.49	24.21	24.67	25.80
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.45	24.25	24.55	25.80
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.41	24.28	24.49	25.80
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.42	24.53	24.68	25.80
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.42	24.52	24.58	25.80
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.42	24.55	24.68	25.80
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.45	24.58	24.64	25.80
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.47	24.62	24.56	25.80
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.50	24.66	24.53	25.80
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.51	24.68	24.57	25.80



n77 PC3_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.22		22.80
100	PI/2 BPSK	1	137		22.18		
100	PI/2 BPSK	1	271		22.28		
100	PI/2 BPSK	135	0		21.30		22.30
100	PI/2 BPSK	135	69		22.17		22.80
100	PI/2 BPSK	135	138		21.86		22.30
100	PI/2 BPSK	270	0		21.81		
100	QPSK	1	1		22.27		22.80
100	QPSK	1	137		22.26		
100	QPSK	1	271		22.05		
100	QPSK	135	0		21.28		22.80
100	QPSK	135	69		22.25		
100	QPSK	135	138		21.40		
100	QPSK	270	0		21.36		21.80
100	16QAM	1	1		21.60		21.80
100	64QAM	1	1		20.04		20.30
100	256QAM	1	1		18.12		18.30
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.10	22.03	22.20	22.80
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.08	22.04	22.16	22.80
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.21	22.19	22.20	22.80
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.05	22.17	22.27	22.80
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.09	22.22	22.16	22.80
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.22	22.09	22.22	22.80
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.20	22.07	22.27	22.80
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.18	22.01	22.16	22.80
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.25	22.16	22.24	22.80
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.22	22.06	22.22	22.80



n77 PC2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.82		25.80
100	PI/2 BPSK	1	137		24.59		
100	PI/2 BPSK	1	271		24.85		
100	PI/2 BPSK	135	0		24.11		25.30
100	PI/2 BPSK	135	69		24.66		25.80
100	PI/2 BPSK	135	138		24.19		25.30
100	PI/2 BPSK	270	0		24.16		
100	QPSK	1	1		24.78		25.80
100	QPSK	1	137		24.57		
100	QPSK	1	271		24.60		
100	QPSK	135	0		23.59		25.80
100	QPSK	135	69		24.52		
100	QPSK	135	138		23.71		
100	QPSK	270	0		23.67		24.80
100	16QAM	1	1		23.91		24.80
100	64QAM	1	1		22.38		23.30
100	256QAM	1	1		20.38		21.30
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.77	24.71	24.75	25.80
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.67	24.64	24.55	25.80
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.65	24.62	24.60	25.80
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.64	24.46	24.39	25.80
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.66	24.47	24.50	25.80
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.68	24.49	24.42	25.80
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.69	24.49	24.50	25.80
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.71	24.46	24.43	25.80
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.74	24.50	24.55	25.80
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.76	24.51	24.46	25.80



Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 4		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.65	19.50	98.90
		6	2437	18.85	19.50	
		11	2462	19.15	19.50	
		12	2467	19.05	19.50	
		13	2472	18.55	19.50	

Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.50	17.50	98.90
		6	2437	17.05	17.50	
		11	2462	17.35	17.50	
		12	2467	17.50	17.50	
		13	2472	17.45	17.50	

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
2.4GHz WLAN	802.11g 6Mbps	1	2412	18.00	18.00	17.05	17.50	20.56	20.8	93.40
		6	2437	19.35	19.50	17.45	17.50	21.51	21.6	
		11	2462	16.15	17.00	15.85	17.00	19.01	20.0	
		12	2467	14.85	15.00	14.35	15.00	17.62	18.0	
		13	2472	13.35	13.50	12.45	13.50	15.93	16.5	
	802.11n-HT20 MCS0	1	2412	not required	18.00	not required	17.50	not required	20.8	not required
		6	2437		19.50		17.50		21.6	
		11	2462		17.00		17.00		20.0	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	
	802.11ac-VHT20 MCS0	1	2412	not required	18.00	not required	17.50	not required	20.8	not required
		6	2437		19.50		17.50		21.6	
		11	2462		17.00		17.00		20.0	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	
	802.11ax-HE20 MCS0	1	2412	not required	18.00	not required	17.50	not required	20.8	not required
		6	2437		19.50		17.50		21.6	
		11	2462		17.00		17.00		20.0	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	not required	not required	not required	not required	16.00	19.0	not required
		40	5200					16.00	19.0	
		44	5220					16.00	19.0	
		48	5240					16.00	19.0	
	802.11n-HT20 MCS0	36	5180					16.00	19.0	
		40	5200					16.00	19.0	
		44	5220					16.00	19.0	
		48	5240					16.00	19.0	
	802.11n-HT40 MCS0	38	5190					16.00	19.0	
		46	5230					16.00	19.0	
	802.11ac-VHT20 MCS0	36	5180					16.00	19.0	
		40	5200					16.00	19.0	
		44	5220					16.00	19.0	
	802.11ac-VHT40 MCS0	38	5190					16.00	19.0	
		46	5230					16.00	19.0	
	802.11ac-VHT80 MCS0	42	5210					16.00	19.0	
	802.11ax-HE20 MCS0	36	5180					16.00	19.0	
		40	5200					16.00	19.0	
		44	5220					16.00	19.0	
		48	5240					16.00	19.0	
802.11ax-HE40 MCS0	38	5190	16.00	19.0						
	46	5230	16.00	19.0						
802.11ax-HE80 MCS0	42	5210	16.00	19.0						

Burst Average Power (dBm)																				
Transmit Antenna				MIMO Ant 4+3																
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %											
5.3GHz WLAN	802.11a 6Mbps	52	5260	not required	not required	not required	not required	16.00	19.0	not required										
		56	5280					16.00	19.0											
		60	5300					16.00	19.0											
		64	5320					16.00	19.0											
	802.11n-HT20 MCS0	52	5260					16.00	19.0											
		56	5280					16.00	19.0											
		60	5300					16.00	19.0											
		64	5320					16.00	19.0											
	802.11n-HT40 MCS0	54	5270					15.90	16.00		15.50	16.00	18.71	19.0	96.79					
		62	5310					15.90	16.00		15.40	16.00	18.67	19.0						
	802.11ac-VHT20 MCS0	52	5260					not required	not required		not required	not required	16.00	19.0	not required					
		56	5280										16.00	19.0						
		60	5300										16.00	19.0						
		64	5320										16.00	19.0						
	802.11ac-VHT40 MCS0	54	5270										16.00	19.0						
		62	5310										16.00	19.0						
	802.11ac-VHT80 MCS0	58	5290										15.90	16.00		15.40	16.00	18.67	19.0	87.95
	802.11ac-VHT160 MCS0	50	5250										14.00	14.00		14.00	14.00	17.0	17.0	
	802.11ax-HE20 MCS0	52	5260										not required	not required		not required	not required	16.00	19.0	not required
		56	5280															16.00	19.0	
60		5300	16.00	19.0																
64		5320	16.00	19.0																
802.11ax-HE40 MCS0	54	5270	16.00	19.0																
	62	5310	16.00	19.0																
802.11ax-HE80 MCS0	58	5290	16.00	19.0																
802.11ax-HE160 MCS0	50	5250	14.00	14.00	14.00	14.00	17.0			17.0										





Burst Average Power (dBm)													
Transmit Antenna				MIMO Ant 4+3									
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
5.5GHz WLAN	802.11a 6Mbps	100	5500	not required	19.00	not required	14.50	20.3	not required				
		116	5580		19.00		14.50	20.3					
		124	5620		19.00		14.50	20.3					
		132	5660		19.00		14.50	20.3					
		140	5700		16.00		14.50	18.3					
		144	5720		19.00		14.50	20.3					
	802.11n-HT20 MCS0	100	5500		19.00		14.50	20.3					
		116	5580		19.00		14.50	20.3					
		124	5620		19.00		14.50	20.3					
		132	5660		19.00		14.50	20.3					
		140	5700		19.00		14.50	20.3					
		144	5720		19.00		14.50	20.3					
	802.11n-HT40 MCS0	102	5510		16.00		14.50	18.3					
		110	5550		19.00		14.50	20.3					
		126	5630		19.00		14.50	20.3					
		134	5670		19.00		14.50	20.3					
		142	5710		19.00		14.50	20.3					
	802.11ac-VHT20 MCS0	100	5500		19.00		14.50	20.3					
		116	5580		19.00		14.50	20.3					
		124	5620		19.00		14.50	20.3					
		132	5660		19.00		14.50	20.3					
		140	5700		19.00		14.50	20.3					
		144	5720		19.00		14.50	20.3					
	802.11ac-VHT40 MCS0	102	5510		16.00		14.50	18.3					
		110	5550		19.00		14.50	20.3					
		126	5630		19.00		14.50	20.3					
		134	5670		19.00		14.50	20.3					
		142	5710		19.00		14.50	20.3					
	802.11ac-VHT80 MCS0	106	5530		16.40		16.50	13.80		14.50	18.30	18.6	87.95
		122	5610		18.80		19.00	13.80		14.50	19.99	20.3	
		138	5690		18.90		19.00	13.80		14.50	20.07	20.3	
	802.11ac-VHT160 MCS0	114	5570				15.50			14.50		18.0	
	802.11ax-HE20 MCS0	100	5500				19.00			14.50		20.3	
		116	5580				19.00			14.50		20.3	
		124	5620				19.00			14.50		20.3	
		132	5660				19.00			14.50		20.3	
		140	5700				19.00			14.50		20.3	
		144	5720				19.00			14.50		20.3	
	802.11ax-HE40 MCS0	102	5510		not required		16.00	not required		14.50	not required	18.3	not required
		110	5550				19.00			14.50		20.3	
		126	5630				19.00			14.50		20.3	
		134	5670				19.00			14.50		20.3	
142		5710		19.00		14.50		20.3					
802.11ax-HE80 MCS0	106	5530		16.50		14.50		18.6					
	122	5610		19.00		14.50		20.3					
	138	5690		19.00		14.50		20.3					
802.11ax-HE160 MCS0	114	5570		15.50		14.50		18.0					



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	802.11a 6Mbps	149	5745	not required	18.50	not required	14.00	not required	19.8	not required
		157	5785		18.50		14.00		19.8	
		165	5825		18.50		14.00		19.8	
	802.11n-HT20 MCS0	149	5745	not required	18.50	not required	14.00	not required	19.8	not required
		157	5785		18.50		14.00		19.8	
		165	5825		18.50		14.00		19.8	
	802.11n-HT40 MCS0	151	5755	18.50	18.50	13.70	14.00	19.74	19.8	96.79
		159	5795	18.30	18.50	13.90	14.00	19.65	19.8	
	802.11ac-VHT20 MCS0	149	5745	not required	18.50	not required	14.00	not required	19.8	not required
		157	5785		18.50		14.00		19.8	
		165	5825		18.50		14.00		19.8	
	802.11ac-VHT40 MCS0	151	5755	not required	18.50	not required	14.00	not required	19.8	not required
159		5795	18.50		14.00		19.8			
802.11ac-VHT80 MCS0	155	5775	18.40	18.50	13.70	14.00	19.67	19.8	87.95	
802.11ax-HE20 MCS0	149	5745	not required	18.50	not required	14.00	not required	19.8	not required	
	157	5785		18.50		14.00		19.8		
	165	5825		18.50		14.00		19.8		
802.11ax-HE40 MCS0	151	5755	not required	18.50	not required	14.00	not required	19.8	not required	
	159	5795		18.50		14.00		19.8		
802.11ax-HE80 MCS0	155	5775	18.50	18.50	13.70	14.00	19.67	19.8	87.95	

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN UNII4	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	802.11a 6Mbps	169	5845	not required	18.50	not required	14.00	not required	19.8	not required
		173	5865		18.50		14.00		19.8	
		177	5885		18.50		14.00		19.8	
	802.11n-HT20 MCS0	169	5845	not required	18.50	not required	14.00	not required	19.8	not required
		173	5865		18.50		14.00		19.8	
		177	5885		18.50		14.00		19.8	
	802.11n-HT40 MCS0	167	5835	not required	18.50	not required	14.00	not required	19.8	not required
		175	5875		18.50		14.00		19.8	
	802.11ac-VHT20 MCS0	169	5845	not required	18.50	not required	14.00	not required	19.8	not required
		173	5865		18.50		14.00		19.8	
		177	5885		18.50		14.00		19.8	
	802.11ac-VHT40 MCS0	167	5835	not required	18.50	not required	14.00	not required	19.8	not required
		175	5875		18.50		14.00		19.8	
	802.11ac-VHT80 MCS0	171	5855	18.30	18.50	13.90	14.00	19.65	19.8	88.10
	802.11ac-VHT160 MCS0	163	5815	18.50	18.50	13.90	14.00	19.79	19.8	86.20
	802.11ax-HE20 MCS0	169	5845	not required	18.50	not required	14.00	not required	19.8	not required
173		5865	18.50		14.00		19.8			
177		5885	18.50		14.00		19.8			
802.11ax-HE40 MCS0	167	5835	not required	18.50	not required	14.00	not required	19.8	not required	
	175	5875		18.50		14.00		19.8		
802.11ax-HE80 MCS0	171	5855	18.50	18.50	13.90	14.00	19.65	19.8	88.10	
802.11ax-HE160 MCS0	163	5815	18.50	18.50	13.90	14.00	19.79	19.8	86.20	



Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 4		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.05	16.50	98.90
		6	2437	16.15	16.50	
		11	2462	16.25	16.50	
		12	2467	16.25	16.50	
		13	2472	16.15	16.50	

Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.25	14.50	98.90
		6	2437	14.50	14.50	
		11	2462	14.35	14.50	
		12	2467	14.45	14.50	
		13	2472	14.35	14.50	

Burst Average Power (dBm)											
Transmit Antenna				MIMO Ant 4+3							
	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
2.4GHz WLAN	802.11g 6Mbps	1	2412	16.15	16.50	14.45	14.50	18.39	18.6	93.40	
		6	2437	16.25	16.50	14.15	14.50	18.34	18.6		
		11	2462	16.45	16.50	14.30	14.50	18.52	18.6		
		12	2467	14.85	15.00	13.85	14.00	17.39	17.5		
		13	2472	13.35	13.50	12.45	13.50	15.93	16.5		
	802.11n-HT20 MCS0	1	2412		16.50		14.50		18.6		not required
		6	2437		16.50		14.50		18.6		
		11	2462		16.50		14.50		18.6		
		12	2467		15.00		14.00		17.5		
		13	2472		13.50		13.50		16.5		
	802.11ac-VHT20 MCS0	1	2412		16.50		14.50		18.6		
		6	2437		16.50		14.50		18.6		
		11	2462	not required	16.50	not required	14.50	not required	18.6	not required	
		12	2467		15.00		14.00		17.5		
		13	2472		13.50		13.50		16.5		
	802.11ax-HE20 MCS0	1	2412		16.50		14.50		17.0		
		6	2437		16.50		14.50		17.0		
		11	2462		16.50		14.50		17.0		
		12	2467		15.00		14.00		17.0		
		13	2472		13.50		13.50		17.0		



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	not required	15.50	not required	15.50	not required	18.5	not required
		40	5200		15.50		18.5			
		44	5220		15.50		18.5			
		48	5240		15.50		18.5			
	802.11n-HT20 MCS0	36	5180		15.50		18.5			
		40	5200		15.50		18.5			
		44	5220		15.50		18.5			
		48	5240		15.50		18.5			
	802.11n-HT40 MCS0	38	5190		15.50		18.5			
		46	5230		15.50		18.5			
	802.11ac-VHT20 MCS0	36	5180		15.50		18.5			
		40	5200		15.50		18.5			
		44	5220		15.50		18.5			
	802.11ac-VHT40 MCS0	38	5190		15.50		18.5			
		46	5230		15.50		18.5			
	802.11ac-VHT80 MCS0	42	5210		15.50		18.5			
	802.11ax-HE20 MCS0	36	5180		15.50		18.5			
		40	5200		15.50		18.5			
		44	5220		15.50		18.5			
		48	5240		15.50		18.5			
802.11ax-HE40 MCS0	38	5190	15.50	18.5						
	46	5230	15.50	18.5						
802.11ax-HE80 MCS0	42	5210	15.50	18.5						

Burst Average Power (dBm)																		
Transmit Antenna				MIMO Ant 4+3														
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %									
5.3GHz WLAN	802.11a 6Mbps	52	5260	not required	15.50	not required	15.50	not required	18.5	not required								
		56	5280		15.50		18.5											
		60	5300		15.50		18.5											
		64	5320		15.50		18.5											
	802.11n-HT20 MCS0	52	5260		15.50		18.5											
		56	5280		15.50		18.5											
		60	5300		15.50		18.5											
		64	5320		15.50		18.5											
	802.11n-HT40 MCS0	54	5270		15.40		15.50		15.10		15.50	18.26	18.5	96.79				
		62	5310		15.40		15.50		14.90		15.50	18.17	18.5					
	802.11ac-VHT20 MCS0	52	5260		not required		15.50		not required		15.50	not required	18.5	not required				
		56	5280				15.50				18.5							
		60	5300				15.50				18.5							
		64	5320				15.50				18.5							
	802.11ac-VHT40 MCS0	54	5270				15.50				18.5							
		62	5310				15.50				18.5							
	802.11ac-VHT80 MCS0	58	5290				15.40				15.50		15.00		15.50	18.21	18.5	87.95
	802.11ac-VHT160 MCS0	50	5250				14.00				14.00		14.00		14.00	17.0		
	802.11ax-HE20 MCS0	52	5260				not required				15.50		not required		15.50	not required	18.5	not required
		56	5280								15.50				18.5			
60		5300	15.50	18.5														
64		5320	15.50	18.5														
802.11ax-HE40 MCS0	54	5270	15.50	18.5														
	62	5310	15.50	18.5														
802.11ax-HE80 MCS0	58	5290	15.50	18.5														
802.11ax-HE160 MCS0	50	5250	14.00	14.00		14.00		14.00		17.0								



Burst Average Power (dBm)												
Transmit Antenna				MIMO Ant 4+3								
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %			
5.5GHz WLAN	802.11a 6Mbps	100	5500	not required	18.50	not required	14.00	19.8	not required			
		116	5580		18.50		14.00	19.8				
		124	5620		18.50		14.00	19.8				
		132	5660		18.50		14.00	19.8				
		140	5700		18.50		14.00	19.8				
	802.11n-HT20 MCS0	100	5500		18.50		14.00	19.8				
		116	5580		18.50		14.00	19.8				
		124	5620		18.50		14.00	19.8				
		132	5660		18.50		14.00	19.8				
		140	5700		18.50		14.00	19.8				
	802.11n-HT40 MCS0	102	5510		16.00		14.00	18.1				
		110	5550		18.50		14.00	19.8				
		126	5630		18.50		14.00	19.8				
		134	5670		18.50		14.00	19.8				
	802.11ac-VHT20 MCS0	100	5500		18.50		14.00	19.8				
		116	5580		18.50		14.00	19.8				
		124	5620		18.50		14.00	19.8				
		132	5660		18.50		14.00	19.8				
		140	5700		18.50		14.00	19.8				
	802.11ac-VHT40 MCS0	102	5510		16.00		14.00	18.1				
		110	5550		18.50		14.00	19.8				
		126	5630		18.50		14.00	19.8				
		134	5670		18.50		14.00	19.8				
	802.11ac-VHT80 MCS0	106	5530		16.50		14.00	18.4				
		122	5610		18.50		12.60	14.00		19.49	19.8	87.95
		138	5690		18.30		18.50	13.10		14.00	19.45	19.8
	802.11ac-VHT160 MCS0	114	5570		15.50		14.00	17.8				
	802.11ax-HE20 MCS0	100	5500		18.50		14.00	19.8				
		116	5580		18.50		14.00	19.8				
		124	5620		18.50		14.00	19.8				
		132	5660		18.50		14.00	19.8				
		140	5700		18.50		14.00	19.8				
	802.11ax-HE40 MCS0	102	5510		16.00		14.00	18.1				
		110	5550		18.50		14.00	19.8				
		126	5630		18.50		14.00	19.8				
		134	5670		18.50		14.00	19.8				
	802.11ax-HE80 MCS0	106	5530		16.50		14.00	18.4				
		122	5610		18.50		14.00	19.8				
		138	5690		18.50		14.00	19.8				
	802.11ax-HE160 MCS0	114	5570		15.50		14.00	17.8				



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	802.11a 6Mbps		149	5745	not required	17.50	not required	13.00	not required	18.8
157			5785	17.50		13.00		18.8		
165			5825	17.50		13.00		18.8		
802.11n-HT20 MCS0		149	5745	not required	17.50	not required	13.00	not required	18.8	not required
		157	5785		17.50		13.00		18.8	
		165	5825		17.50		13.00		18.8	
802.11n-HT40 MCS0		151	5755	17.40	17.50	12.90	13.00	18.72	18.8	96.79
		159	5795	17.30	17.50	13.00	13.00	18.67	18.8	
802.11ac-VHT20 MCS0		149	5745	not required	17.50	not required	13.00	not required	18.8	not required
		157	5785		17.50		13.00		18.8	
		165	5825		17.50		13.00		18.8	
802.11ac-VHT40 MCS0		151	5755	not required	17.50	not required	13.00	not required	18.8	not required
		159	5795		17.50		13.00		18.8	
802.11ac-VHT80 MCS0		155	5775	17.30	17.50	12.70	13.00	18.59	18.8	87.95
802.11ax-HE20 MCS0		149	5745	not required	17.50	not required	13.00	not required	18.8	not required
		157	5785		17.50		13.00		18.8	
		165	5825		17.50		13.00		18.8	
802.11ax-HE40 MCS0		151	5755	not required	17.50	not required	13.00	not required	18.8	not required
		159	5795		17.50		13.00		18.8	
802.11ax-HE80 MCS0		155	5775	17.50	17.50	13.00	13.00	18.8	18.8	not required

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN UNII4	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	802.11a 6Mbps		169	5845	not required	17.50	not required	13.00	not required	18.8
173			5865	17.50		13.00		18.8		
177			5885	17.50		13.00		18.8		
802.11n-HT20 MCS0		169	5845	not required	17.50	not required	13.00	not required	18.8	not required
		173	5865		17.50		13.00		18.8	
		177	5885		17.50		13.00		18.8	
802.11n-HT40 MCS0		167	5835	not required	17.50	not required	13.00	not required	18.8	not required
		175	5875		17.50		13.00		18.8	
802.11ac-VHT20 MCS0		169	5845	not required	17.50	not required	13.00	not required	18.8	not required
		173	5865		17.50		13.00		18.8	
		177	5885		17.50		13.00		18.8	
802.11ac-VHT40 MCS0		167	5835	not required	17.50	not required	13.00	not required	18.8	not required
		175	5875		17.50		13.00		18.8	
802.11ac-VHT80 MCS0		171	5855	17.40	17.50	12.80	13.00	18.69	18.8	88.10
802.11ac-VHT160 MCS0		163	5815	17.50	17.50	12.90	13.00	18.79	18.8	86.20
802.11ax-HE20 MCS0		169	5845	not required	17.50	not required	13.00	not required	18.8	not required
		173	5865		17.50		13.00		18.8	
		177	5885		17.50		13.00		18.8	
802.11ax-HE40 MCS0		167	5835	not required	17.50	not required	13.00	not required	18.8	not required
		175	5875		17.50		13.00		18.8	
802.11ax-HE80 MCS0		171	5855	17.50	17.50	13.00	13.00	18.8	18.8	not required
802.11ax-HE160 MCS0		163	5815	17.50	17.50	12.90	13.00	18.79	18.8	not required



Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 4		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.05	16.50	98.90
		6	2437	16.15	16.50	
		11	2462	16.25	16.50	
		12	2467	16.25	16.50	
		13	2472	16.15	16.50	

Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.25	14.50	98.90
		6	2437	14.50	14.50	
		11	2462	14.35	14.50	
		12	2467	14.45	14.50	
		13	2472	14.35	14.50	

Burst Average Power (dBm)											
Transmit Antenna				MIMO Ant 4+3							
	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
2.4GHz WLAN	802.11g 6Mbps	1	2412	16.15	16.50	14.45	14.50	18.39	18.6	93.40	
		6	2437	16.25	16.50	14.15	14.50	18.34	18.6		
		11	2462	16.45	16.50	14.30	14.50	18.52	18.6		
		12	2467	14.85	15.00	13.85	14.00	17.39	17.5		
		13	2472	13.35	13.50	12.45	13.50	15.93	16.5		
	802.11n-HT20 MCS0	1	2412		16.50		14.50		18.6		not required
		6	2437		16.50		14.50		18.6		
		11	2462		16.50		14.50		18.6		
		12	2467		15.00		14.00		17.5		
		13	2472		13.50		13.50		16.5		
	802.11ac-VHT20 MCS0	1	2412	not required	16.50	not required	14.50	not required	18.6	not required	
		6	2437		16.50		14.50		18.6		
		11	2462		16.50		14.50		18.6		
		12	2467		15.00		14.00		17.5		
		13	2472		13.50		13.50		16.5		
	802.11ax-HE20 MCS0	1	2412		16.50		14.50		17.0		
		6	2437		16.50		14.50		17.0		
		11	2462		16.50		14.50		17.0		
		12	2467		15.00		14.00		17.0		
		13	2472		13.50		13.50		17.0		



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	not required	13.00	not required	11.00	not required	15.1	not required
		40	5200		13.00		11.00		15.1	
		44	5220		13.00		11.00		15.1	
		48	5240		13.00		11.00		15.1	
	802.11n-HT20 MCS0	36	5180		13.00		11.00		15.1	
		40	5200		13.00		11.00		15.1	
		44	5220		13.00		11.00		15.1	
		48	5240		13.00		11.00		15.1	
	802.11n-HT40 MCS0	38	5190		13.00		11.00		15.1	
		46	5230		13.00		11.00		15.1	
	802.11ac-VHT20 MCS0	36	5180		13.00		11.00		15.1	
		40	5200		13.00		11.00		15.1	
		44	5220		13.00		11.00		15.1	
	802.11ac-VHT40 MCS0	38	5190		13.00		11.00		15.1	
		46	5230		13.00		11.00		15.1	
	802.11ac-VHT80 MCS0	42	5210		13.00		11.00		15.1	
	802.11ax-HE20 MCS0	36	5180		13.00		11.00		15.1	
		40	5200		13.00		11.00		15.1	
		44	5220		13.00		11.00		15.1	
		48	5240		13.00		11.00		15.1	
802.11ax-HE40 MCS0	38	5190	13.00	11.00	15.1					
	46	5230	13.00	11.00	15.1					
802.11ax-HE80 MCS0	42	5210	13.00	11.00	15.1					

Burst Average Power (dBm)														
Transmit Antenna				MIMO Ant 4+3										
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %					
5.3GHz WLAN	802.11a 6Mbps	52	5260	not required	13.00	not required	11.00	not required	15.1	not required				
		56	5280		13.00		11.00		15.1					
		60	5300		13.00		11.00		15.1					
		64	5320		13.00		11.00		15.1					
	802.11n-HT20 MCS0	52	5260		13.00		11.00		15.1					
		56	5280		13.00		11.00		15.1					
		60	5300		13.00		11.00		15.1					
		64	5320		13.00		11.00		15.1					
	802.11n-HT40 MCS0	54	5270		13.00		11.00		15.1					
		62	5310		13.00		11.00		15.1					
	802.11ac-VHT20 MCS0	52	5260		13.00		11.00		15.1					
		56	5280		13.00		11.00		15.1					
		60	5300		13.00		11.00		15.1					
		64	5320		13.00		11.00		15.1					
	802.11ac-VHT40 MCS0	54	5270		13.00		11.00		15.1					
		62	5310		13.00		11.00		15.1					
	802.11ac-VHT80 MCS0	58	5290		13.00		11.00		15.1					
	802.11ac-VHT160 MCS0	50	5250		12.9		13.00		10.7		11.00	14.95	15.1	88.1
	802.11ax-HE20 MCS0	52	5260		not required		13.00		not required		11.00	not required	15.1	not required
		56	5280				13.00				11.00		15.1	
60		5300	13.00	11.00		15.1								
64		5320	13.00	11.00		15.1								
802.11ax-HE40 MCS0	54	5270	13.00	11.00		15.1								
	62	5310	13.00	11.00		15.1								
802.11ax-HE80 MCS0	58	5290	13.00	11.00		15.1								
802.11ax-HE160 MCS0	50	5250	13.00	11.00		15.1								





Burst Average Power (dBm)													
Transmit Antenna				MIMO Ant 4+3									
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
5.5GHz WLAN	802.11a 6Mbps	100	5500	not required	15.00	not required	9.00	16.0	not required				
		116	5580		15.00		9.00	16.0					
		124	5620		15.00		9.00	16.0					
		132	5660		15.00		9.00	16.0					
		140	5700		15.00		9.00	16.0					
		144	5720		15.00		9.00	16.0					
	802.11n-HT20 MCS0	100	5500		15.00		9.00	16.0					
		116	5580		15.00		9.00	16.0					
		124	5620		15.00		9.00	16.0					
		132	5660		15.00		9.00	16.0					
		140	5700		15.00		9.00	16.0					
		144	5720		15.00		9.00	16.0					
	802.11n-HT40 MCS0	102	5510		15.00		9.00	16.0					
		110	5550		15.00		9.00	16.0					
		126	5630		15.00		9.00	16.0					
		134	5670		15.00		9.00	16.0					
		142	5710		15.00		9.00	16.0					
	802.11ac-VHT20 MCS0	100	5500		15.00		9.00	16.0					
		116	5580		15.00		9.00	16.0					
		124	5620		15.00		9.00	16.0					
		132	5660		15.00		9.00	16.0					
		140	5700		15.00		9.00	16.0					
		144	5720		15.00		9.00	16.0					
	802.11ac-VHT40 MCS0	102	5510		15.00		9.00	16.0					
		110	5550		15.00		9.00	16.0					
		126	5630		15.00		9.00	16.0					
		134	5670		15.00		9.00	16.0					
		142	5710		15.00		9.00	16.0					
	802.11ac-VHT80 MCS0	106	5530		15.00		9.00	16.0					
		122	5610		15.00		9.00	16.0					
		138	5690		15.00		9.00	16.0					
	802.11ac-VHT160 MCS0	114	5570		14.90		15.00	8.90		9.00	15.87	16.0	88.10
	802.11ax-HE20 MCS0	100	5500		15.00		9.00	16.0					
		116	5580		15.00		9.00	16.0					
		124	5620		15.00		9.00	16.0					
		132	5660		15.00		9.00	16.0					
140		5700	15.00	9.00	16.0								
144		5720	15.00	9.00	16.0								
802.11ax-HE40 MCS0	102	5510	15.00	9.00	16.0								
	110	5550	15.00	9.00	16.0								
	126	5630	15.00	9.00	16.0								
	134	5670	15.00	9.00	16.0								
802.11ax-HE80 MCS0	106	5530	15.00	9.00	16.0								
	122	5610	15.00	9.00	16.0								
	138	5690	15.00	9.00	16.0								
802.11ax-HE160 MCS0	114	5570	15.00	9.00	16.0								



Burst Average Power (dBm)														
Transmit Antenna				MIMO Ant 4+3										
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
	5.8GHz WLAN	802.11a 6Mbps	149	5745	not required	14.50	not required	9.00	not required	15.6	not required			
157			5785	14.50		9.00		15.6						
165			5825	14.50		9.00		15.6						
802.11n-HT20 MCS0		149	5745	14.50		9.00		15.6						
		157	5785	14.50		9.00		15.6						
		165	5825	14.50		9.00		15.6						
802.11n-HT40 MCS0		151	5755	14.50		9.00		15.6						
		159	5795	14.50		9.00		15.6						
802.11ac-VHT20 MCS0		149	5745	14.50		9.00		15.6						
		157	5785	14.50		9.00		15.6						
		165	5825	14.50		9.00		15.6						
802.11ac-VHT40 MCS0		151	5755	14.50		9.00		15.6						
		159	5795	14.50		9.00		15.6						
802.11ac-VHT80 MCS0		155	5775	14.50		14.50		8.80		9.00		15.54	15.6	87.95
802.11ax-HE20 MCS0		149	5745	not required		14.50		not required		9.00		not required	15.6	not required
		157	5785			14.50				9.00			15.6	
		165	5825			14.50				9.00			15.6	
802.11ax-HE40 MCS0		151	5755			14.50				9.00			15.6	
	159	5795	14.50		9.00	15.6								
802.11ax-HE80 MCS0	155	5775	14.50		9.00	15.6								

Burst Average Power (dBm)														
Transmit Antenna				MIMO Ant 4+3										
5.8GHz WLAN UNII4	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
	5.8GHz WLAN UNII4	802.11a 6Mbps	169	5845	not required	14.50	not required	9.00	not required	15.6	not required			
173			5865	14.50		9.00		15.6						
177			5885	14.50		9.00		15.6						
802.11n-HT20 MCS0		169	5845	14.50		9.00		15.6						
		173	5865	14.50		9.00		15.6						
		177	5885	14.50		9.00		15.6						
802.11n-HT40 MCS0		167	5835	14.50		9.00		15.6						
		175	5875	14.50		9.00		15.6						
802.11ac-VHT20 MCS0		169	5845	14.50		9.00		15.6						
		173	5865	14.50		9.00		15.6						
		177	5885	14.50		9.00		15.6						
802.11ac-VHT40 MCS0		167	5835	14.50		9.00		15.6						
		175	5875	14.50		9.00		15.6						
802.11ac-VHT80 MCS0		171	5855	14.50		9.00		15.6						
802.11ac-VHT160 MCS0		163	5815	14.50		14.50		8.90		9.00		15.58	15.6	86.20
802.11ax-HE20 MCS0		169	5845	not required		14.50		not required		9.00		not required	15.6	not required
		173	5865			14.50				9.00			15.6	
		177	5885			14.50				9.00			15.6	
802.11ax-HE40 MCS0	167	5835	14.50		9.00	15.6								
	175	5875	14.50		9.00	15.6								
802.11ax-HE80 MCS0	171	5855	14.50		9.00	15.6								
802.11ax-HE160 MCS0	163	5815	14.50		9.00	15.6								



Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 4		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	11.05	11.50	98.90
		6	2437	11.35	11.50	
		11	2462	11.35	11.50	
		12	2467	11.25	11.50	
		13	2472	11.05	11.50	

Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	9.95	10.00	98.90
		6	2437	9.75	10.00	
		11	2462	9.95	10.00	
		12	2467	9.75	10.00	
		13	2472	9.65	10.00	

Burst Average Power (dBm)											
Transmit Antenna				MIMO Ant 4+3							
	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
2.4GHz WLAN	802.11g 6Mbps	1	2412	11.45	11.50	9.95	10.00	13.77	13.8	93.40	
		6	2437	11.25	11.50	9.95	10.00	13.66	13.8		
		11	2462	11.05	11.50	9.95	10.00	13.55	13.8		
		12	2467	11.05	11.50	9.95	10.00	13.55	13.8		
		13	2472	11.05	11.50	9.55	10.00	13.37	13.8		
	802.11n-HT20 MCS0	1	2412	not required	not required	11.50	not required	10.00	not required	13.8	not required
		6	2437							13.8	
		11	2462							13.8	
		12	2467							13.8	
		13	2472							13.8	
	802.11ac-VHT20 MCS0	1	2412	not required	not required	11.50	not required	10.00	not required	13.8	not required
		6	2437							13.8	
		11	2462							13.8	
		12	2467							13.8	
		13	2472							13.8	
	802.11ax-HE20 MCS0	1	2412	not required	not required	11.50	not required	10.00	not required	13.8	not required
		6	2437							13.8	
		11	2462							13.8	
		12	2467							13.8	
		13	2472							13.8	



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	not required	12.00	not required	11.00	14.5	not required	
		40	5200		12.00		11.00	14.5		
		44	5220		12.00		11.00	14.5		
		48	5240		12.00		11.00	14.5		
	802.11n-HT20 MCS0	36	5180		12.00		11.00	14.5		
		40	5200		12.00		11.00	14.5		
		44	5220		12.00		11.00	14.5		
		48	5240		12.00		11.00	14.5		
	802.11n-HT40 MCS0	38	5190		12.00		11.00	14.5		
		46	5230		12.00		11.00	14.5		
	802.11ac-VHT20 MCS0	36	5180		12.00		11.00	14.5		
		40	5200		12.00		11.00	14.5		
		44	5220		12.00		11.00	14.5		
	802.11ac-VHT40 MCS0	38	5190		12.00		11.00	14.5		
		46	5230		12.00		11.00	14.5		
	802.11ac-VHT80 MCS0	42	5210		12.00		11.00	14.5		
	802.11ax-HE20 MCS0	36	5180		12.00		11.00	14.5		
		40	5200		12.00		11.00	14.5		
		44	5220		12.00		11.00	14.5		
	802.11ax-HE40 MCS0	38	5190		12.00		11.00	14.5		
46		5230	12.00	11.00	14.5					
802.11ax-HE80 MCS0	42	5210	12.00	11.00	14.5					

Burst Average Power (dBm)													
Transmit Antenna				MIMO Ant 4+3									
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
5.3GHz WLAN	802.11a 6Mbps	52	5260	not required	12.00	not required	11.00	14.5	not required				
		56	5280		12.00		11.00	14.5					
		60	5300		12.00		11.00	14.5					
		64	5320		12.00		11.00	14.5					
	802.11n-HT20 MCS0	52	5260		12.00		11.00	14.5					
		56	5280		12.00		11.00	14.5					
		60	5300		12.00		11.00	14.5					
	802.11n-HT40 MCS0	54	5270		12.00		11.00	14.5					
		62	5310		12.00		11.00	14.5					
	802.11ac-VHT20 MCS0	52	5260		12.00		11.00	14.5					
		56	5280		12.00		11.00	14.5					
		60	5300		12.00		11.00	14.5					
		64	5320		12.00		11.00	14.5					
	802.11ac-VHT40 MCS0	54	5270		12.00		11.00	14.5					
		62	5310		12.00		11.00	14.5					
	802.11ac-VHT80 MCS0	58	5290		12.00		11.00	14.5					
	802.11ac-VHT160 MCS0	50	5250		11.80		12.00	10.70		11.00	14.30	14.5	88.1
	802.11ax-HE20 MCS0	52	5260		not required		12.00	not required		11.00	not required	14.5	not required
		56	5280				12.00			11.00		14.5	
		60	5300				12.00			11.00		14.5	
64		5320	12.00	11.00		14.5							
802.11ax-HE40 MCS0	54	5270	12.00	11.00		14.5							
	62	5310	12.00	11.00		14.5							
802.11ax-HE80 MCS0	58	5290	12.00	11.00		14.5							
802.11ax-HE160 MCS0	50	5250	12.00	11.00		14.5							



Burst Average Power (dBm)													
Transmit Antenna				MIMO Ant 4+3									
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
5.5GHz WLAN	802.11a 6Mbps	100	5500	not required	15.00	not required	9.00	16.0	not required				
		116	5580		15.00		9.00	16.0					
		124	5620		15.00		9.00	16.0					
		132	5660		15.00		9.00	16.0					
		140	5700		15.00		9.00	16.0					
		144	5720		15.00		9.00	16.0					
	802.11n-HT20 MCS0	100	5500		15.00		9.00	16.0					
		116	5580		15.00		9.00	16.0					
		124	5620		15.00		9.00	16.0					
		132	5660		15.00		9.00	16.0					
		140	5700		15.00		9.00	16.0					
		144	5720		15.00		9.00	16.0					
	802.11n-HT40 MCS0	102	5510		15.00		9.00	16.0					
		110	5550		15.00		9.00	16.0					
		126	5630		15.00		9.00	16.0					
		134	5670		15.00		9.00	16.0					
		142	5710		15.00		9.00	16.0					
	802.11ac-VHT20 MCS0	100	5500		15.00		9.00	16.0					
		116	5580		15.00		9.00	16.0					
		124	5620		15.00		9.00	16.0					
		132	5660		15.00		9.00	16.0					
		140	5700		15.00		9.00	16.0					
		144	5720		15.00		9.00	16.0					
	802.11ac-VHT40 MCS0	102	5510		15.00		9.00	16.0					
		110	5550		15.00		9.00	16.0					
		126	5630		15.00		9.00	16.0					
		134	5670		15.00		9.00	16.0					
		142	5710		15.00		9.00	16.0					
	802.11ac-VHT80 MCS0	106	5530		15.00		9.00	16.0					
		122	5610		15.00		9.00	16.0					
		138	5690		15.00		9.00	16.0					
	802.11ac-VHT160 MCS0	114	5570		14.90		15.00	8.90		9.00	15.87	16.0	88.10
	802.11ax-HE20 MCS0	100	5500		15.00		9.00	16.0					
		116	5580		15.00		9.00	16.0					
		124	5620		15.00		9.00	16.0					
		132	5660		15.00		9.00	16.0					
		140	5700		15.00		9.00	16.0					
		144	5720		15.00		9.00	16.0					
	802.11ax-HE40 MCS0	102	5510		15.00		9.00	16.0					
		110	5550		15.00		9.00	16.0					
126		5630	15.00	9.00	16.0								
134		5670	15.00	9.00	16.0								
802.11ax-HE80 MCS0	106	5530	15.00	9.00	16.0								
	122	5610	15.00	9.00	16.0								
	138	5690	15.00	9.00	16.0								
802.11ax-HE160 MCS0	114	5570	15.00	9.00	16.0								



Burst Average Power (dBm)														
Transmit Antenna				MIMO Ant 4+3										
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
	5.8GHz WLAN	802.11a 6Mbps	149	5745	not required	14.50	not required	9.00	not required	15.6	not required			
157			5785	14.50		9.00		15.6						
165			5825	14.50		9.00		15.6						
802.11n-HT20 MCS0		149	5745	14.50		9.00		15.6						
		157	5785	14.50		9.00		15.6						
		165	5825	14.50		9.00		15.6						
802.11n-HT40 MCS0		151	5755	14.50		9.00		15.6						
		159	5795	14.50		9.00		15.6						
802.11ac-VHT20 MCS0		149	5745	14.50		9.00		15.6						
		157	5785	14.50		9.00		15.6						
		165	5825	14.50		9.00		15.6						
802.11ac-VHT40 MCS0		151	5755	14.50		9.00		15.6						
		159	5795	14.50		9.00		15.6						
802.11ac-VHT80 MCS0		155	5775	14.50		14.50		8.80		9.00		15.54	15.6	87.95
802.11ax-HE20 MCS0		149	5745	not required		14.50		not required		9.00		not required	15.6	not required
		157	5785			14.50				9.00			15.6	
		165	5825			14.50				9.00			15.6	
802.11ax-HE40 MCS0		151	5755			14.50				9.00			15.6	
	159	5795	14.50		9.00	15.6								
802.11ax-HE80 MCS0	155	5775	14.50		9.00	15.6								

Burst Average Power (dBm)														
Transmit Antenna				MIMO Ant 4+3										
5.8GHz WLAN UNII4	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
	5.8GHz WLAN UNII4	802.11a 6Mbps	169	5845	not required	14.50	not required	9.00	not required	15.6	not required			
173			5865	14.50		9.00		15.6						
177			5885	14.50		9.00		15.6						
802.11n-HT20 MCS0		169	5845	14.50		9.00		15.6						
		173	5865	14.50		9.00		15.6						
		177	5885	14.50		9.00		15.6						
802.11n-HT40 MCS0		167	5835	14.50		9.00		15.6						
		175	5875	14.50		9.00		15.6						
802.11ac-VHT20 MCS0		169	5845	14.50		9.00		15.6						
		173	5865	14.50		9.00		15.6						
		177	5885	14.50		9.00		15.6						
802.11ac-VHT40 MCS0		167	5835	14.50		9.00		15.6						
		175	5875	14.50		9.00		15.6						
802.11ac-VHT80 MCS0		171	5855	14.50		9.00		15.6						
802.11ac-VHT160 MCS0		163	5815	14.50		14.50		8.90		9.00		15.58	15.6	86.20
802.11ax-HE20 MCS0		169	5845	not required		14.50		not required		9.00		not required	15.6	not required
		173	5865			14.50				9.00			15.6	
		177	5885			14.50				9.00			15.6	
802.11ax-HE40 MCS0	167	5835	14.50		9.00	15.6								
	175	5875	14.50		9.00	15.6								
802.11ax-HE80 MCS0	171	5855	14.50		9.00	15.6								
802.11ax-HE160 MCS0	163	5815	14.40		14.50	8.60	9.00		15.41	15.6				



Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 4		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.65	19.50	98.90
		6	2437	18.85	19.50	
		11	2462	19.15	19.50	
		12	2467	19.05	19.50	
		13	2472	18.55	19.50	

Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.75	22.00	98.90
		6	2437	21.75	22.00	
		11	2462	21.65	22.00	
		12	2467	21.75	22.00	
		13	2472	18.45	19.00	

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
2.4GHz WLAN	802.11g 6Mbps	1	2412	17.75	18.00	16.75	18.00	20.29	21.0	93.40
		6	2437	19.45	19.50	19.35	19.50	22.41	22.5	
		11	2462	16.15	17.00	15.85	17.00	19.01	20.0	
		12	2467	14.85	15.00	14.35	15.00	17.62	18.0	
		13	2472	13.35	13.50	12.45	13.50	15.93	16.5	
	802.11n-HT20 MCS0	1	2412	not required	18.00	not required	18.00	not required	21.0	not required
		6	2437		19.50		19.50		22.5	
		11	2462		17.00		17.00		20.0	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	
	802.11ac-VHT20 MCS0	1	2412	not required	18.00	not required	18.00	not required	21.0	not required
		6	2437		19.50		19.50		22.5	
		11	2462		17.00		17.00		20.0	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	
	802.11ax-HE20 MCS0	1	2412	not required	18.00	not required	18.00	not required	21.0	not required
		6	2437		19.50		19.50		22.5	
		11	2462		17.00		17.00		20.0	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	not required	20.00	not required	20.00	not required	23.0	not required
		40	5200		20.00		23.0			
		44	5220		20.00		23.0			
		48	5240		20.00		23.0			
	802.11n-HT20 MCS0	36	5180		20.00		20.00		23.0	
		40	5200		20.00		23.0			
		44	5220		20.00		23.0			
		48	5240		20.00		23.0			
	802.11n-HT40 MCS0	38	5190		16.00		16.00		19.0	
		46	5230		19.00		19.00		22.0	
	802.11ac-VHT20 MCS0	36	5180		20.00		20.00		23.0	
		40	5200		20.00		20.00		23.0	
		44	5220		20.00		20.00		23.0	
	802.11ac-VHT40 MCS0	38	5190		16.00		16.00		19.0	
		46	5230		19.00		19.00		22.0	
	802.11ac-VHT80 MCS0	42	5210		16.00		16.00		19.0	
	802.11ax-HE20 MCS0	36	5180		20.00		20.00		23.0	
		40	5200		20.00		20.00		23.0	
		44	5220		20.00		20.00		23.0	
	802.11ax-HE40 MCS0	38	5190		16.00		16.00		19.0	
46		5230	19.00	19.00	22.0					
802.11ax-HE80 MCS0	42	5210	16.00	16.00	19.0					

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.50	20.00	19.80	20.00	22.66	23.0	93.51
		56	5280	19.80	20.00	19.40	20.00	22.61	23.0	
		60	5300	17.60	18.50	17.30	18.50	20.46	21.5	
		64	5320	17.70	18.50	17.20	18.50	20.47	21.5	
	802.11n-HT20 MCS0	52	5260	not required	20.00	not required	20.00	not required	23.0	not required
		56	5280		20.00		23.0			
		60	5300		18.50		21.5			
		64	5320		18.50		21.5			
	802.11n-HT40 MCS0	54	5270		19.00		19.00		22.0	
		62	5310		16.00		16.00		19.0	
	802.11ac-VHT20 MCS0	52	5260		20.00		20.00		23.0	
		56	5280		20.00		20.00		23.0	
		60	5300		18.50		18.50		21.5	
	802.11ac-VHT40 MCS0	54	5270		19.00		19.00		22.0	
		62	5310		16.00		16.00		19.0	
	802.11ac-VHT80 MCS0	58	5290		16.00		16.00		19.0	
	802.11ac-VHT160 MCS0	50	5250		14.00		14.00		17.0	
	802.11ax-HE20 MCS0	52	5260		20.00		20.00		23.0	
		56	5280		20.00		20.00		23.0	
		60	5300		18.50		18.50		21.5	
802.11ax-HE40 MCS0	54	5270	19.00		19.00		22.0			
	62	5310	16.00		16.00		19.0			
802.11ax-HE80 MCS0	58	5290	16.00		16.00		19.0			
802.11ax-HE160 MCS0	50	5250	14.00		14.00		17.0			





Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
802.11a 6Mbps	100	5500	18.90	20.00	18.90	20.00	21.91	23.0	93.51	
	116	5580	19.50	20.00	19.30	20.00	22.41	23.0		
	124	5620	19.90	20.00	19.50	20.00	22.71	23.0		
	132	5660	19.60	20.00	19.40	20.00	22.51	23.0		
	140	5700	17.40	16.00	17.50	16.00	20.46	19.0		
802.11n-HT20 MCS0	100	5500		20.00		20.00		23.0		
	116	5580		20.00		20.00		23.0		
	124	5620		20.00		20.00		23.0		
	132	5660		20.00		20.00		23.0		
	140	5700		16.00		16.00		19.0		
802.11n-HT40 MCS0	102	5510		16.00		16.00		19.0		
	110	5550		19.00		19.00		22.0		
	126	5630		19.00		19.00		22.0		
	134	5670		19.00		19.00		22.0		
802.11ac-VHT20 MCS0	100	5500		20.00		20.00		23.0		
	116	5580		20.00		20.00		23.0		
	124	5620		20.00		20.00		23.0		
	132	5660		20.00		20.00		23.0		
	140	5700		16.00		16.00		19.0		
802.11ac-VHT40 MCS0	102	5510		16.00		16.00		19.0		
	110	5550		19.00		19.00		22.0		
	126	5630		19.00		19.00		22.0		
	134	5670	not required	19.00	not required	19.00	not required	22.0		not required
802.11ac-VHT80 MCS0	106	5530		16.50		16.50		19.5		
	122	5610		19.00		19.00		22.0		
802.11ac-VHT160 MCS0	138	5690		19.00		19.00		22.0		
	114	5570		15.50		15.50		18.5		
802.11ax-HE20 MCS0	100	5500		20.00		20.00		23.0		
	116	5580		20.00		20.00		23.0		
	124	5620		20.00		20.00		23.0		
	132	5660		20.00		20.00		23.0		
	140	5700		16.00		16.00		19.0		
802.11ax-HE40 MCS0	102	5510		16.00		16.00		19.0		
	110	5550		19.00		19.00		22.0		
	126	5630		19.00		19.00		22.0		
	134	5670		19.00		19.00		22.0		
802.11ax-HE80 MCS0	106	5530		16.50		16.50		19.5		
	122	5610		19.00		19.00		22.0		
	138	5690		19.00		19.00		22.0		
802.11ax-HE160 MCS0	114	5570		15.50		15.50		18.5		



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	5.8GHz WLAN	802.11a 6Mbps	149	5745	19.50	20.00	19.20	20.00	22.36	23.0
157			5785	19.60	20.00	19.40	20.00	22.51	23.0	
165			5825	19.60	20.00	19.40	20.00	22.51	23.0	
802.11n-HT20 MCS0		149	5745	not required	not required	not required	not required	20.00	23.0	not required
		157	5785					20.00	23.0	
		165	5825					20.00	23.0	
802.11n-HT40 MCS0		151	5755					19.00	22.0	
		159	5795					19.00	22.0	
802.11ac-VHT20 MCS0		149	5745					20.00	23.0	
		157	5785					20.00	23.0	
802.11ac-VHT40 MCS0		151	5755					19.00	22.0	
		159	5795					19.00	22.0	
802.11ac-VHT80 MCS0		155	5775					19.00	22.0	
802.11ax-HE20 MCS0		149	5745					20.00	23.0	
		157	5785					20.00	23.0	
		165	5825					20.00	23.0	
802.11ax-HE40 MCS0		151	5755					19.00	22.0	
		159	5795					19.00	22.0	
802.11ax-HE80 MCS0	155	5775	19.00					22.0		
802.11ax-HE160 MCS0	163	5815	19.00					22.0		

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN UNII4	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	5.8GHz WLAN UNII4	802.11a 6Mbps	169	5845	19.40	19.50	19.90	20.00	22.67	22.8
173			5865	19.30	19.50	20.00	20.00	22.67	22.8	
177			5885	19.30	19.50	19.90	20.00	22.62	22.8	
802.11n-HT20 MCS0		169	5845	not required	not required	not required	not required	20.00	22.8	not required
		173	5865					19.50	22.8	
		177	5885					19.50	22.8	
802.11n-HT40 MCS0		167	5835					19.00	22.0	
		175	5875					19.00	22.0	
802.11ac-VHT20 MCS0		169	5845					19.50	22.8	
		173	5865					19.50	22.8	
802.11ac-VHT40 MCS0		167	5835					19.00	22.0	
		175	5875					19.00	22.0	
802.11ac-VHT80 MCS0		171	5855					19.00	22.0	
802.11ac-VHT160 MCS0		163	5815					19.00	22.0	
802.11ax-HE20 MCS0		169	5845					19.50	22.8	
		173	5865					19.50	22.8	
		177	5885					19.50	22.8	
802.11ax-HE40 MCS0		167	5835					19.00	22.0	
	175	5875	19.00					22.0		
802.11ax-HE80 MCS0	171	5855	19.00					22.0		
802.11ax-HE160 MCS0	163	5815	19.00					22.0		



Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 4		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.65	19.50	98.90
		6	2437	18.85	19.50	
		11	2462	19.15	19.50	
		12	2467	19.05	19.50	
		13	2472	18.55	19.50	

Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.75	22.00	98.90
		6	2437	21.75	22.00	
		11	2462	21.65	22.00	
		12	2467	21.75	22.00	
		13	2472	18.45	19.00	

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
2.4GHz WLAN	802.11g 6Mbps	1	2412	17.75	18.00	16.75	18.00	20.29	21.0	93.40
		6	2437	19.45	19.50	19.35	19.50	22.41	22.5	
		11	2462	16.15	17.00	15.85	17.00	19.01	20.0	
		12	2467	14.85	15.00	14.35	15.00	17.62	18.0	
		13	2472	13.35	13.50	12.45	13.50	15.93	16.5	
	802.11n-HT20 MCS0	1	2412	not required	18.00	not required	18.00	not required	21.0	not required
		6	2437		19.50		19.50		22.5	
		11	2462		17.00		17.00		20.0	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	
	802.11ac-VHT20 MCS0	1	2412	not required	18.00	not required	18.00	not required	21.0	not required
		6	2437		19.50		19.50		22.5	
		11	2462		17.00		17.00		20.0	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	
	802.11ax-HE20 MCS0	1	2412	not required	18.00	not required	18.00	not required	21.0	not required
		6	2437		19.50		19.50		22.5	
		11	2462		17.00		17.00		20.0	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	not required	20.00	not required	20.00	not required	23.0	not required
		40	5200		20.00		23.0			
		44	5220		20.00		23.0			
		48	5240		20.00		23.0			
	802.11n-HT20 MCS0	36	5180		20.00		20.00		23.0	
		40	5200		20.00		23.0			
		44	5220		20.00		23.0			
		48	5240		20.00		23.0			
	802.11n-HT40 MCS0	38	5190		16.00		16.00		19.0	
		46	5230		19.00		19.00		22.0	
	802.11ac-VHT20 MCS0	36	5180		20.00		20.00		23.0	
		40	5200		20.00		20.00		23.0	
		44	5220		20.00		20.00		23.0	
	802.11ac-VHT40 MCS0	38	5190		16.00		16.00		19.0	
		46	5230		19.00		19.00		22.0	
	802.11ac-VHT80 MCS0	42	5210		16.00		16.00		19.0	
	802.11ax-HE20 MCS0	36	5180		20.00		20.00		23.0	
		40	5200		20.00		20.00		23.0	
		44	5220		20.00		20.00		23.0	
	802.11ax-HE40 MCS0	38	5190		16.00		16.00		19.0	
46		5230	19.00	19.00	22.0					
802.11ax-HE80 MCS0	42	5210	16.00	16.00	19.0					

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.50	20.00	19.80	20.00	22.66	23.0	93.51
		56	5280	19.80	20.00	19.40	20.00	22.61	23.0	
		60	5300	17.60	18.50	17.30	18.50	20.46	21.5	
		64	5320	17.70	18.50	17.20	18.50	20.47	21.5	
	802.11n-HT20 MCS0	52	5260	not required	20.00	not required	20.00	not required	23.0	not required
		56	5280		20.00		23.0			
		60	5300		18.50		21.5			
		64	5320		18.50		21.5			
	802.11n-HT40 MCS0	54	5270		19.00		19.00		22.0	
		62	5310		16.00		16.00		19.0	
	802.11ac-VHT20 MCS0	52	5260		20.00		20.00		23.0	
		56	5280		20.00		20.00		23.0	
		60	5300		18.50		18.50		21.5	
		64	5320		18.50		18.50		21.5	
	802.11ac-VHT40 MCS0	54	5270		19.00		19.00		22.0	
		62	5310		16.00		16.00		19.0	
	802.11ac-VHT80 MCS0	58	5290		16.00		16.00		19.0	
	802.11ac-VHT160 MCS0	50	5250		14.00		14.00		17.0	
	802.11ax-HE20 MCS0	52	5260		20.00		20.00		23.0	
		56	5280		20.00		20.00		23.0	
60		5300	18.50		18.50		21.5			
64		5320	18.50		18.50		21.5			
802.11ax-HE40 MCS0	54	5270	19.00		19.00		22.0			
	62	5310	16.00		16.00		19.0			
802.11ax-HE80 MCS0	58	5290	16.00	16.00	19.0					
802.11ax-HE160 MCS0	50	5250	14.00	14.00	17.0					



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
802.11a 6Mbps	100	5500	18.90	20.00	18.90	20.00	21.91	23.0	93.51	
	116	5580	19.50	20.00	19.30	20.00	22.41	23.0		
	124	5620	19.90	20.00	19.50	20.00	22.71	23.0		
	132	5660	19.60	20.00	19.40	20.00	22.51	23.0		
	140	5700	17.40	16.00	17.50	16.00	20.46	19.0		
802.11n-HT20 MCS0	100	5500		20.00		20.00		23.0		
	116	5580		20.00		20.00		23.0		
	124	5620		20.00		20.00		23.0		
	132	5660		20.00		20.00		23.0		
	140	5700		16.00		16.00		19.0		
802.11n-HT40 MCS0	102	5510		16.00		16.00		19.0		
	110	5550		19.00		19.00		22.0		
	126	5630		19.00		19.00		22.0		
	134	5670		19.00		19.00		22.0		
802.11ac-VHT20 MCS0	100	5500		20.00		20.00		23.0		
	116	5580		20.00		20.00		23.0		
	124	5620		20.00		20.00		23.0		
	132	5660		20.00		20.00		23.0		
	140	5700		16.00		16.00		19.0		
802.11ac-VHT40 MCS0	102	5510		16.00		16.00		19.0		
	110	5550		19.00		19.00		22.0		
	126	5630		19.00		19.00		22.0		
	134	5670	not required	19.00	not required	19.00	not required	22.0		not required
802.11ac-VHT80 MCS0	106	5530		16.50		16.50		19.5		
	122	5610		19.00		19.00		22.0		
	138	5690		19.00		19.00		22.0		
802.11ac-VHT160 MCS0	114	5570		15.50		15.50		18.5		
802.11ax-HE20 MCS0	100	5500		20.00		20.00		23.0		
	116	5580		20.00		20.00		23.0		
	124	5620		20.00		20.00		23.0		
	132	5660		20.00		20.00		23.0		
	140	5700		16.00		16.00		19.0		
802.11ax-HE40 MCS0	102	5510		16.00		16.00		19.0		
	110	5550		19.00		19.00		22.0		
	126	5630		19.00		19.00		22.0		
	134	5670		19.00		19.00		22.0		
802.11ax-HE80 MCS0	106	5530		16.50		16.50		19.5		
	122	5610		19.00		19.00		22.0		
	138	5690		19.00		19.00		22.0		
802.11ax-HE160 MCS0	114	5570		15.50		15.50		18.5		



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	802.11a 6Mbps		149	5745	18.90	19.00	19.90	20.00	22.44	22.5
157			5785	18.90	19.00	19.90	20.00	22.44	22.5	
165			5825	18.90	19.00	19.90	20.00	22.44	22.5	
802.11n-HT20 MCS0		149	5745	not required	19.00	not required	20.00	not required	22.5	not required
		157	5785		19.00		20.00		22.5	
		165	5825		19.00		20.00		22.5	
802.11n-HT40 MCS0		151	5755		19.00		19.00		22.0	
		159	5795		19.00		19.00		22.0	
802.11ac-VHT20 MCS0		149	5745		19.00		20.00		22.5	
		157	5785		19.00		20.00		22.5	
		165	5825		19.00		20.00		22.5	
802.11ac-VHT40 MCS0		151	5755		19.00		19.00		22.0	
		159	5795		19.00		19.00		22.0	
802.11ac-VHT80 MCS0		155	5775		19.00		19.00		22.0	
		149	5745		19.00		20.00		22.5	
802.11ax-HE20 MCS0		157	5785	19.00	20.00	22.5				
		165	5825	19.00	20.00	22.5				
		151	5755	19.00	19.00	22.0				
802.11ax-HE40 MCS0		159	5795	19.00	19.00	22.0				
		155	5775	19.00	19.00	22.0				
802.11ax-HE80 MCS0		155	5775	19.00	19.00	22.0				

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN UNII4	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	802.11a 6Mbps		169	5845	18.90	19.00	19.90	20.00	22.44	22.5
173			5865	18.90	19.00	19.90	20.00	22.44	22.5	
177			5885	18.90	19.00	19.90	20.00	22.44	22.5	
802.11n-HT20 MCS0		169	5845	not required	19.00	not required	20.00	not required	22.5	not required
		173	5865		19.00		20.00		22.5	
		177	5885		19.00		20.00		22.5	
802.11n-HT40 MCS0		167	5835		19.00		19.00		22.0	
		175	5875		19.00		19.00		22.0	
802.11ac-VHT20 MCS0		169	5845		19.00		20.00		22.5	
		173	5865		19.00		20.00		22.5	
		177	5885		19.00		20.00		22.5	
802.11ac-VHT40 MCS0		167	5835		19.00		19.00		22.0	
		175	5875		19.00		19.00		22.0	
802.11ac-VHT80 MCS0		171	5855		19.00		19.00		22.0	
		163	5815		19.00		19.00		22.0	
802.11ax-HE20 MCS0		169	5845	19.00	20.00	22.5				
		173	5865	19.00	20.00	22.5				
		177	5885	19.00	20.00	22.5				
802.11ax-HE40 MCS0		167	5835	19.00	19.00	22.0				
		175	5875	19.00	19.00	22.0				
802.11ax-HE80 MCS0		171	5855	19.00	19.00	22.0				
		163	5815	19.00	19.00	22.0				



Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 4		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.65	19.50	98.90
		6	2437	18.85	19.50	
		11	2462	19.15	19.50	
		12	2467	19.05	19.50	
		13	2472	18.55	19.50	

Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.65	19.00	98.90
		6	2437	18.95	19.00	
		11	2462	18.95	19.00	
		12	2467	18.75	19.00	
		13	2472	18.45	19.00	

Burst Average Power (dBm)											
Transmit Antenna				MIMO Ant 4+3							
	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
2.4GHz WLAN	802.11g 6Mbps	1	2412	17.75	18.00	16.75	18.00	20.29	21.0	93.40	
		6	2437	19.25	19.50	18.55	19.00	21.92	22.3		
		11	2462	16.15	17.00	15.85	17.00	19.01	20.0		
		12	2467	14.85	15.00	14.35	15.00	17.62	18.0		
		13	2472	13.35	13.50	12.45	13.50	15.93	16.5		
	802.11n-HT20 MCS0	1	2412		18.00		18.00		21.0		not required
		6	2437		19.50		19.00		22.3		
		11	2462		17.00		17.00		20.0		
		12	2467		15.00		15.00		18.0		
		13	2472		13.50		13.50		16.5		
	802.11ac-VHT20 MCS0	1	2412	not required	18.00	not required	18.00	not required	21.0		
		6	2437		19.50		19.00		22.3		
		11	2462		17.00		17.00		20.0		
		12	2467		15.00		15.00		18.0		
		13	2472		13.50		13.50		16.5		
	802.11ax-HE20 MCS0	1	2412		18.00		18.00		21.0		
		6	2437		19.50		19.00		22.3		
		11	2462		17.00		17.00		20.0		
		12	2467		15.00		15.00		18.0		
		13	2472		13.50		13.50		16.5		



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	not required	15.00	not required	19.00	not required	20.5	not required
		40	5200		15.00		19.00		20.5	
		44	5220		15.00		19.00		20.5	
		48	5240		15.00		19.00		20.5	
	802.11n-HT20 MCS0	36	5180	not required	15.00	not required	19.00	not required	20.5	not required
		40	5200		15.00		19.00		20.5	
		44	5220		15.00		19.00		20.5	
		48	5240		15.00		19.00		20.5	
	802.11n-HT40 MCS0	38	5190	14.11	15.00	15.64	16.00	17.59	18.5	96.79
		46	5230	14.20	15.00	17.90	19.00	19.44	20.5	
	802.11ac-VHT20 MCS0	36	5180	not required	15.00	not required	19.00	not required	20.5	not required
		40	5200		15.00		19.00		20.5	
		44	5220		15.00		19.00		20.5	
		48	5240		15.00		19.00		20.5	
	802.11ac-VHT40 MCS0	38	5190	not required	15.00	not required	16.00	not required	18.5	not required
		46	5230		15.00		19.00		20.5	
	802.11ac-VHT80 MCS0	42	5210	not required	15.00	not required	16.00	not required	18.5	not required
	802.11ax-HE20 MCS0	36	5180	not required	15.00	not required	19.00	not required	20.5	not required
		40	5200		15.00		19.00		20.5	
		44	5220		15.00		19.00		20.5	
48		5240	15.00		19.00		20.5			
802.11ax-HE40 MCS0	38	5190	not required	15.00	not required	16.00	not required	18.5	not required	
	46	5230		15.00		19.00		20.5		
802.11ax-HE80 MCS0	42	5210	not required	15.00	not required	16.00	not required	18.5	not required	

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
		60	5300		15.00		18.50		20.1	
		64	5320		15.00		18.50		20.1	
	802.11n-HT20 MCS0	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
		60	5300		15.00		18.50		20.1	
		64	5320		15.00		18.50		20.1	
	802.11n-HT40 MCS0	54	5270	14.20	15.00	17.70	19.00	19.30	20.5	96.79
		62	5310	14.08	15.00	15.59	16.00	18.44	18.5	
	802.11ac-VHT20 MCS0	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
		60	5300		15.00		18.50		20.1	
		64	5320		15.00		18.50		20.1	
	802.11ac-VHT40 MCS0	54	5270	not required	15.00	not required	19.00	not required	20.5	not required
		62	5310		15.00		16.00		18.5	
	802.11ac-VHT80 MCS0	58	5290	not required	15.00	not required	16.00	not required	18.5	not required
	802.11ac-VHT160 MCS0	50	5250	not required	14.00	not required	14.00	not required	17.0	not required
	802.11ax-HE20 MCS0	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
60		5300	15.00		18.50		20.1			
64		5320	15.00		18.50		20.1			
802.11ax-HE40 MCS0	54	5270	not required	15.00	not required	19.00	not required	20.5	not required	
	62	5310		15.00		16.00		18.5		
802.11ax-HE80 MCS0	58	5290	not required	15.00	not required	16.00	not required	18.5	not required	
802.11ax-HE160 MCS0	50	5250	not required	14.00	not required	14.00	not required	17.0	not required	





Burst Average Power (dBm)													
Transmit Antenna				MIMO Ant 4+3									
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
5.5GHz WLAN	802.11a 6Mbps	100	5500	not required	16.00	not required	16.50	19.3	not required				
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11n-HT20 MCS0	100	5500		16.00		16.50	19.3					
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11n-HT40 MCS0	102	5510		16.00		16.00	19.0					
		110	5550		16.00		16.50	19.3					
		126	5630		16.00		16.50	19.3					
		134	5670		16.00		16.50	19.3					
		142	5710		16.00		16.50	19.3					
	802.11ac-VHT20 MCS0	100	5500		16.00		16.50	19.3					
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11ac-VHT40 MCS0	102	5510		16.00		16.00	19.0					
		110	5550		16.00		16.50	19.3					
		126	5630		16.00		16.50	19.3					
		134	5670		16.00		16.50	19.3					
		142	5710		16.00		16.50	19.3					
	802.11ac-VHT80 MCS0	106	5530		15.70		16.00	16.50		16.50	19.13	19.3	87.95
		122	5610		15.70		16.00	16.50		16.50	19.13	19.3	
		138	5690		15.70		16.00	16.50		16.50	19.13	19.3	
	802.11ac-VHT160 MCS0	114	5570		15.50		15.50	18.5					
	802.11ax-HE20 MCS0	100	5500		16.00		16.50	19.3					
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11ax-HE40 MCS0	102	5510		16.00		16.00	19.0					
		110	5550		16.00		16.50	19.3					
126		5630	16.00	16.50	19.3								
134		5670	16.00	16.50	19.3								
142		5710	16.00	16.50	19.3								
802.11ax-HE80 MCS0	106	5530	16.00	16.50	19.3								
	122	5610	16.00	16.50	19.3								
	138	5690	16.00	16.50	19.3								
802.11ax-HE160 MCS0	114	5570	15.50	15.50	18.5								



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	802.11a 6Mbps		149	5745		16.00		17.50		19.8
157			5785	16.00		17.50		19.8		
165			5825	16.00		17.50		19.8		
802.11n-HT20 MCS0		149	5745		16.00		17.50		19.8	
		157	5785		16.00		17.50		19.8	
		165	5825		16.00		17.50		19.8	
802.11n-HT40 MCS0		151	5755	not required	16.00	not required	17.50	not required	19.8	not required
		159	5795		16.00		17.50		19.8	
802.11ac-VHT20 MCS0		149	5745		16.00		17.50		19.8	
		157	5785		16.00		17.50		19.8	
		165	5825		16.00		17.50		19.8	
802.11ac-VHT40 MCS0		151	5755		16.00		17.50		19.8	
		159	5795		16.00		17.50		19.8	
802.11ac-VHT80 MCS0		155	5775	16.00	16.00	17.30	17.50	19.71	19.8	87.95
802.11ax-HE20 MCS0		149	5745	not required	16.00	not required	17.50	not required	19.8	not required
		157	5785		16.00		17.50		19.8	
		165	5825		16.00		17.50		19.8	
802.11ax-HE40 MCS0		151	5755		16.00		17.50		19.8	
		159	5795		16.00		17.50		19.8	
802.11ax-HE80 MCS0		155	5775		16.00		17.50		19.8	

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN UNII4	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	802.11a 6Mbps		169	5845		16.00		17.50		19.8
173			5865	16.00		17.50		19.8		
177			5885	16.00		17.50		19.8		
802.11n-HT20 MCS0		169	5845		16.00		17.50		19.8	
		173	5865		16.00		17.50		19.8	
		177	5885		16.00		17.50		19.8	
802.11n-HT40 MCS0		167	5835	not required	16.00	not required	17.50	not required	19.8	not required
		175	5875		16.00		17.50		19.8	
802.11ac-VHT20 MCS0		169	5845		16.00		17.50		19.8	
		173	5865		16.00		17.50		19.8	
		177	5885		16.00		17.50		19.8	
802.11ac-VHT40 MCS0		167	5835		16.00		17.50		19.8	
		175	5875		16.00		17.50		19.8	
802.11ac-VHT80 MCS0		171	5855		16.00		17.50		19.8	
802.11ac-VHT160 MCS0		163	5815	15.90	16.00	17.50	17.50	19.78	19.8	86.30
802.11ax-HE20 MCS0		169	5845	not required	16.00	not required	17.50	not required	19.8	not required
		173	5865		16.00		17.50		19.8	
		177	5885		16.00		17.50		19.8	
802.11ax-HE40 MCS0		167	5835		16.00		17.50		19.8	
		175	5875		16.00		17.50		19.8	
802.11ax-HE80 MCS0		171	5855		16.00		17.50		19.8	
802.11ax-HE160 MCS0		163	5815		16.00		17.50		19.8	



Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 4		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.65	19.50	98.90
		6	2437	18.85	19.50	
		11	2462	19.15	19.50	
		12	2467	19.05	19.50	
		13	2472	18.55	19.50	

Burst Average Power (dBm)						
Transmit Antenna				SISO Ant 3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.55	16.00	98.90
		6	2437	15.65	16.00	
		11	2462	15.65	16.00	
		12	2467	15.55	16.00	
		13	2472	15.55	16.00	

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
2.4GHz WLAN	802.11g 6Mbps	1	2412	18.00	18.00	15.55	16.00	19.96	20.1	93.40
		6	2437	19.25	19.50	15.85	16.00	20.88	21.1	
		11	2462	16.65	17.00	15.55	16.00	19.15	19.5	
		12	2467	14.85	15.00	14.35	15.00	17.62	18.0	
		13	2472	13.35	13.50	12.45	13.50	15.93	16.5	
	802.11n-HT20 MCS0	1	2412	not required	18.00	not required	16.00	not required	20.1	not required
		6	2437		19.50		16.00		21.1	
		11	2462		17.00		16.00		19.5	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	
	802.11ac-VHT20 MCS0	1	2412	not required	18.00	not required	16.00	not required	20.1	not required
		6	2437		19.50		16.00		21.1	
		11	2462		17.00		16.00		19.5	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	
	802.11ax-HE20 MCS0	1	2412	not required	18.00	not required	16.00	not required	20.1	not required
		6	2437		19.50		16.00		21.1	
		11	2462		17.00		16.00		19.5	
		12	2467		15.00		15.00		18.0	
		13	2472		13.50		13.50		16.5	



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	not required	15.00	not required	19.00	20.5	not required	
		40	5200		15.00		19.00	20.5		
		44	5220		15.00		19.00	20.5		
		48	5240		15.00		19.00	20.5		
	802.11n-HT20 MCS0	36	5180	not required	15.00	not required	19.00	20.5	not required	
		40	5200		15.00		19.00	20.5		
		44	5220		15.00		19.00	20.5		
		48	5240		15.00		19.00	20.5		
	802.11n-HT40 MCS0	38	5190	14.11	15.00	15.64	16.00	17.59	18.5	96.79
		46	5230	14.20	15.00	17.90	19.00	19.44	20.5	
	802.11ac-VHT20 MCS0	36	5180	not required	15.00	not required	19.00	not required	20.5	not required
		40	5200		15.00		19.00		20.5	
		44	5220		15.00		19.00		20.5	
		48	5240		15.00		19.00		20.5	
	802.11ac-VHT40 MCS0	38	5190	not required	15.00	not required	16.00	not required	18.5	not required
		46	5230		15.00		19.00		20.5	
	802.11ac-VHT80 MCS0	42	5210	not required	15.00	not required	16.00	not required	18.5	not required
	802.11ax-HE20 MCS0	36	5180	not required	15.00	not required	19.00	not required	20.5	not required
		40	5200		15.00		19.00		20.5	
		44	5220		15.00		19.00		20.5	
48		5240	15.00		19.00		20.5			
802.11ax-HE40 MCS0	38	5190	not required	15.00	not required	16.00	not required	18.5	not required	
	46	5230		15.00		19.00		20.5		
802.11ax-HE80 MCS0	42	5210	not required	15.00	not required	16.00	not required	18.5	not required	

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	not required	15.00	not required	19.00	20.5	not required	
		56	5280		15.00		19.00	20.5		
		60	5300		15.00		18.50	20.1		
		64	5320		15.00		18.50	20.1		
	802.11n-HT20 MCS0	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
		60	5300		15.00		18.50		20.1	
		64	5320		15.00		18.50		20.1	
	802.11n-HT40 MCS0	54	5270	14.20	15.00	17.70	19.00	19.30	20.5	96.79
		62	5310	14.08	15.00	15.59	16.00	18.44	18.5	
	802.11ac-VHT20 MCS0	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
		60	5300		15.00		18.50		20.1	
		64	5320		15.00		18.50		20.1	
	802.11ac-VHT40 MCS0	54	5270	not required	15.00	not required	19.00	not required	20.5	not required
		62	5310		15.00		16.00		18.5	
	802.11ac-VHT80 MCS0	58	5290	not required	15.00	not required	16.00	not required	18.5	not required
	802.11ac-VHT160 MCS0	50	5250	not required	14.00	not required	14.00	not required	17.0	not required
	802.11ax-HE20 MCS0	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
60		5300	15.00		18.50		20.1			
64		5320	15.00		18.50		20.1			
802.11ax-HE40 MCS0	54	5270	not required	15.00	not required	19.00	not required	20.5	not required	
	62	5310		15.00		16.00		18.5		
802.11ax-HE80 MCS0	58	5290	not required	15.00	not required	16.00	not required	18.5	not required	
802.11ax-HE160 MCS0	50	5250	not required	14.00	not required	14.00	not required	17.0	not required	



Burst Average Power (dBm)													
Transmit Antenna				MIMO Ant 4+3									
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
5.5GHz WLAN	802.11a 6Mbps	100	5500	not required	16.00	not required	16.50	19.3	not required				
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11n-HT20 MCS0	100	5500		16.00		16.50	19.3					
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11n-HT40 MCS0	102	5510		16.00		16.00	19.0					
		110	5550		16.00		16.50	19.3					
		126	5630		16.00		16.50	19.3					
		134	5670		16.00		16.50	19.3					
		142	5710		16.00		16.50	19.3					
	802.11ac-VHT20 MCS0	100	5500		16.00		16.50	19.3					
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11ac-VHT40 MCS0	102	5510		16.00		16.00	19.0					
		110	5550		16.00		16.50	19.3					
		126	5630		16.00		16.50	19.3					
		134	5670		16.00		16.50	19.3					
		142	5710		16.00		16.50	19.3					
	802.11ac-VHT80 MCS0	106	5530		15.70		16.00	16.50		16.50	19.13	19.3	87.95
		122	5610		15.70		16.00	16.50		16.50	19.13	19.3	
		138	5690		15.70		16.00	16.50		16.50	19.13	19.3	
	802.11ac-VHT160 MCS0	114	5570		15.50		15.50	18.5					
	802.11ax-HE20 MCS0	100	5500		16.00		16.50	19.3					
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11ax-HE40 MCS0	102	5510		16.00		16.00	19.0					
		110	5550		16.00		16.50	19.3					
		126	5630		16.00		16.50	19.3					
		134	5670		16.00		16.50	19.3					
142		5710	16.00	16.50	19.3								
802.11ax-HE80 MCS0	106	5530	16.00	16.50	19.3								
	122	5610	16.00	16.50	19.3								
	138	5690	16.00	16.50	19.3								
802.11ax-HE160 MCS0	114	5570	15.50	15.50	18.5								



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	802.11a 6Mbps		149	5745	not required	13.50	not required	15.00	not required	17.3
157			5785	13.50		15.00		17.3		
165			5825	13.50		15.00		17.3		
802.11n-HT20 MCS0		149	5745	13.50		15.00		17.3		
		157	5785	13.50		15.00		17.3		
		165	5825	13.50		15.00		17.3		
802.11n-HT40 MCS0		151	5755	13.50		15.00		17.3		
		159	5795	13.50		15.00		17.3		
802.11ac-VHT20 MCS0		149	5745	13.50		15.00		17.3		
		157	5785	13.50		15.00		17.3		
		165	5825	13.50		15.00		17.3		
802.11ac-VHT40 MCS0		151	5755	13.50		15.00		17.3		
		159	5795	13.50	15.00	17.3				
802.11ac-VHT80 MCS0		155	5775	13.40	13.50	14.30	15.00	16.88	17.3	87.95
802.11ax-HE20 MCS0		149	5745	not required	13.50	not required	15.00	not required	17.3	not required
		157	5785		13.50		15.00		17.3	
		165	5825		13.50		15.00		17.3	
802.11ax-HE40 MCS0		151	5755		13.50		15.00		17.3	
		159	5795		13.50		15.00		17.3	
802.11ax-HE80 MCS0		155	5775		13.50		15.00		17.3	

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
5.8GHz WLAN UNII4	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	802.11a 6Mbps		169	5845	not required	16.00	not required	17.50	not required	19.8
173			5865	16.00		17.50		19.8		
177			5885	16.00		17.50		19.8		
802.11n-HT20 MCS0		169	5845	16.00		17.50		19.8		
		173	5865	16.00		17.50		19.8		
		177	5885	16.00		17.50		19.8		
802.11n-HT40 MCS0		167	5835	16.00		17.50		19.8		
		175	5875	16.00		17.50		19.8		
802.11ac-VHT20 MCS0		169	5845	16.00		17.50		19.8		
		173	5865	16.00		17.50		19.8		
		177	5885	16.00		17.50		19.8		
802.11ac-VHT40 MCS0		167	5835	16.00		17.50		19.8		
		175	5875	16.00	17.50	19.8				
802.11ac-VHT80 MCS0		171	5855	15.90	16.00	17.50	17.50	19.78	19.8	86.30
802.11ac-VHT160 MCS0		169	5845	not required	16.00	not required	17.50	not required	19.8	not required
		173	5865		16.00		17.50		19.8	
		177	5885		16.00		17.50		19.8	
802.11ax-HE40 MCS0		167	5835		16.00		17.50		19.8	
		175	5875		16.00		17.50		19.8	
802.11ax-HE80 MCS0		171	5855		16.00		17.50		19.8	
802.11ax-HE160 MCS0		163	5815		16.00		17.50		19.8	



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	not required	15.00	not required	19.00	not required	20.5	93.51
		40	5200		15.00		19.00		20.5	
		44	5220		15.00		19.00		20.5	
		48	5240		15.00		19.00		20.5	
	802.11n-HT20 MCS0	36	5180	not required	15.00	not required	19.00	not required	20.5	93.01
		40	5200		15.00		19.00		20.5	
		44	5220		15.00		19.00		20.5	
		48	5240		15.00		19.00		20.5	
	802.11n-HT40 MCS0	38	5190	14.11	15.00	15.64	16.00	17.59	18.5	96.79
		46	5230	14.20	15.00	17.90	19.00	19.44	20.5	
	802.11ac-VHT20 MCS0	36	5180	not required	15.00	not required	19.00	not required	20.5	87.60
		40	5200		15.00		19.00		20.5	
		44	5220		15.00		19.00		20.5	
		48	5240		15.00		19.00		20.5	
	802.11ac-VHT40 MCS0	38	5190	not required	15.00	not required	16.00	not required	18.5	94.00
		46	5230		15.00		19.00		20.5	
802.11ac-VHT80 MCS0	42	5210	not required	15.00	not required	16.00	not required	18.5	88.10	
802.11ax-HE20 MCS0	36	5180	not required	15.00	not required	19.00	not required	20.5	96.10	
	40	5200		15.00		19.00		20.5		
	44	5220		15.00		19.00		20.5		
	48	5240		15.00		19.00		20.5		
802.11ax-HE40 MCS0	38	5190	not required	15.00	not required	16.00	not required	18.5	91.70	
	46	5230		15.00		19.00		20.5		
802.11ax-HE80 MCS0	42	5210	not required	15.00	not required	16.00	not required	18.5	85.40	

Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
		60	5300		15.00		18.50		20.1	
		64	5320		15.00		18.50		20.1	
	802.11n-HT20 MCS0	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
		60	5300		15.00		18.50		20.1	
		64	5320		15.00		18.50		20.1	
	802.11n-HT40 MCS0	54	5270	14.20	15.00	17.70	19.00	19.30	20.5	96.79
		62	5310	14.08	15.00	15.59	16.00	18.44	18.5	
	802.11ac-VHT20 MCS0	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
		60	5300		15.00		18.50		20.1	
		64	5320		15.00		18.50		20.1	
	802.11ac-VHT40 MCS0	54	5270	not required	15.00	not required	19.00	not required	20.5	not required
		62	5310		15.00		16.00		18.5	
	802.11ac-VHT80 MCS0	58	5290	not required	15.00	not required	16.00	not required	18.5	not required
	802.11ac-VHT160 MCS0	50	5250	not required	14.00	not required	14.00	not required	17.0	not required
	802.11ax-HE20 MCS0	52	5260	not required	15.00	not required	19.00	not required	20.5	not required
		56	5280		15.00		19.00		20.5	
60		5300	15.00		18.50		20.1			
64		5320	15.00		18.50		20.1			
802.11ax-HE40 MCS0	54	5270	not required	15.00	not required	19.00	not required	20.5	not required	
	62	5310		15.00		16.00		18.5		
802.11ax-HE80 MCS0	58	5290	not required	15.00	not required	16.00	not required	18.5	not required	
802.11ax-HE160 MCS0	50	5250	not required	14.00	not required	14.00	not required	17.0	not required	



Burst Average Power (dBm)													
Transmit Antenna				MIMO Ant 4+3									
Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
5.5GHz WLAN	802.11a 6Mbps	100	5500	not required	16.00	not required	16.50	19.3	not required				
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11n-HT20 MCS0	100	5500		16.00		16.50	19.3					
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11n-HT40 MCS0	102	5510		16.00		16.00	19.0					
		110	5550		16.00		16.50	19.3					
		126	5630		16.00		16.50	19.3					
		134	5670		16.00		16.50	19.3					
		142	5710		16.00		16.50	19.3					
	802.11ac-VHT20 MCS0	100	5500		16.00		16.50	19.3					
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11ac-VHT40 MCS0	102	5510		16.00		16.00	19.0					
		110	5550		16.00		16.50	19.3					
		126	5630		16.00		16.50	19.3					
		134	5670		16.00		16.50	19.3					
		142	5710		16.00		16.50	19.3					
	802.11ac-VHT80 MCS0	106	5530		15.70		16.00	16.50		16.50	19.13	19.3	87.95
		122	5610		15.70		16.00	16.50		16.50	19.13	19.3	
		138	5690		15.70		16.00	16.50		16.50	19.13	19.3	
	802.11ac-VHT160 MCS0	114	5570		15.50		15.50	18.5					
	802.11ax-HE20 MCS0	100	5500		16.00		16.50	19.3					
		116	5580		16.00		16.50	19.3					
		124	5620		16.00		16.50	19.3					
		132	5660		16.00		16.50	19.3					
		140	5700		16.00		16.50	19.3					
		144	5720		16.00		16.50	19.3					
	802.11ax-HE40 MCS0	102	5510		16.00		16.00	19.0					
		110	5550		16.00		16.50	19.3					
		126	5630		16.00		16.50	19.3					
		134	5670		16.00		16.50	19.3					
142		5710	16.00	16.50	19.3								
802.11ax-HE80 MCS0	106	5530	16.00	16.50	19.3								
	122	5610	16.00	16.50	19.3								
	138	5690	16.00	16.50	19.3								
802.11ax-HE160 MCS0	114	5570	15.50	15.50	18.5								





Burst Average Power (dBm)															
Transmit Antenna				MIMO Ant 4+3											
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %					
	802.11a 6Mbps	149	5745	not required	17.00	not required	16.50	not required	19.8	not required					
		157	5785												
		165	5825												
	802.11n-HT20 MCS0	149	5745												
		157	5785												
		165	5825												
	802.11n-HT40 MCS0	151	5755												
		159	5795												
	802.11ac-VHT20 MCS0	149	5745												
		165	5825												
		151	5755												
	802.11ac-VHT40 MCS0	159	5795												
		155	5775								15.40	17.00	15.60	16.50	18.51
802.11ax-HE20 MCS0	149	5745	not required								17.00	not required	16.50	not required	19.8
	157	5785													
	165	5825													
802.11ax-HE40 MCS0	151	5755													
	159	5795													
802.11ax-HE80 MCS0	155	5775													

Burst Average Power (dBm)																
Transmit Antenna				MIMO Ant 4+3												
5.8GHz WLAN UNII4	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %						
	802.11a 6Mbps	169	5845	not required	16.50	not required	16.00	not required	19.3	not required						
		173	5865													
		177	5885													
	802.11n-HT20 MCS0	169	5845													
		173	5865													
		177	5885													
	802.11n-HT40 MCS0	167	5835													
		175	5875													
	802.11ac-VHT20 MCS0	169	5845													
		173	5865													
		177	5885													
	802.11ac-VHT40 MCS0	167	5835													
		175	5875													
802.11ac-VHT80 MCS0	171	5855	15.50								16.50	16.00	16.00	18.77	19.3	86.30
802.11ax-HE20 MCS0	169	5845	not required	16.50	not required	16.00	not required	19.3	not required							
	173	5865														
	177	5885														
802.11ax-HE40 MCS0	167	5835														
	175	5875														
802.11ax-HE80 MCS0	171	5855								15.40	16.50	16.00	16.00	18.72	19.3	86.30
802.11ax-HE160 MCS0	163	5815														



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	6GHz WLAN	802.11ax-HE20 MCS0	1	5955	not required	8.00	not required	8.00	not required	11.0
57			6235	7.50		7.50		10.5		
113			6515	9.00		9.00		12.0		
173			6815	11.50		9.50		13.6		
229		7095	12.50	11.50		15.0				
802.11ax-HE40 MCS0		3	5965	10.50		10.50		13.5		
		59	6245	10.00		10.00		13.0		
		107	6485	11.50		11.50		14.5		
		171	6805	14.50		12.50		16.6		
227		7085	15.00	14.00		17.5				
802.11ax-HE80 MCS0		7	5985	10.50		10.50		13.5		
		71	6305	10.50		10.50		13.5		
		119	6545	14.50		14.50		17.5		
		167	6785	16.50		16.50		19.5		
215		7025	16.50	16.50		19.5				
802.11ax-HE160 MCS0		15	6025	10.00		11.50		10.00		11.50
	47	6185	10.20	11.50	10.10	11.50	13.16	14.5		
	111	6505	14.40	14.50	14.40	14.50	17.41	17.5		
	175	6825	16.50	16.50	15.40	16.50	19.00	19.5		
		207	6985	16.50	16.50	16.50	16.50	19.50	19.5	



Burst Average Power (dBm)														
Transmit Antenna				MIMO Ant 4+3										
6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
	6GHz WLAN	802.11ax-HE20 MCS0	1	5955	not required	8.00	not required	8.00	not required	11.0	not required			
57			6235	7.50		7.50		10.5						
113			6515	9.00		9.00		12.0						
173			6815	11.50		9.50		13.6						
229			7095	12.50		11.50		15.0						
802.11ax-HE40 MCS0		3	5965	10.50		10.50		13.5						
		59	6245	10.00		10.00		13.0						
		107	6485	11.50		11.50		14.5						
		171	6805	14.50		12.50		16.6						
		227	7085	15.00		14.00		17.5						
802.11ax-HE80 MCS0		7	5985	10.50		10.50		13.5						
		71	6305	10.50		10.50		13.5						
		119	6545	14.50		14.50		17.5						
		167	6785	16.50		16.50		19.5						
		215	7025	16.50		16.50		19.5						
802.11ax-HE160 MCS0		15	6025	10.00		11.50		10.00		11.50		13.01	14.5	85.90
		47	6185	10.20		11.50		10.10		11.50		13.16	14.5	
		111	6505	14.40		14.50		14.40		14.50		17.41	17.5	
		175	6825	16.50		16.50		15.40		16.50		19.00	19.5	
		207	6985	16.50		16.50		16.50		16.50		19.50	19.5	



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	6GHz WLAN	802.11ax-HE20 MCS0	1	5955	not required	8.00	not required	8.00	not required	11.0
57			6235	7.50		7.50		10.5		
113			6515	9.00		9.00		12.0		
173			6815	11.50		9.50		13.6		
229		7095	12.50	11.50		15.0				
802.11ax-HE40 MCS0		3	5965	10.00		10.00		13.0		
		59	6245	10.00		10.00		13.0		
		107	6485	11.50		11.50		14.5		
		171	6805	14.50		12.50		16.6		
227		7085	15.00	14.00		17.5				
802.11ax-HE80 MCS0		7	5985	10.00		10.00		13.0		
		71	6305	10.00		10.00		13.0		
		119	6545	12.50		12.50		15.5		
		167	6785	14.00		14.00		17.0		
215		7025	15.00	15.00		18.0				
802.11ax-HE160 MCS0		15	6025	9.90		10.00		9.80		10.00
	47	6185	9.60	10.00	9.50	10.00	12.56	13.0		
	111	6505	12.50	12.50	12.20	12.50	15.36	15.5		
	175	6825	13.90	14.00	12.50	14.00	16.18	17.0		
		207	6985	14.70	15.00	14.10	15.00	17.33	18.0	



Burst Average Power (dBm)														
Transmit Antenna				MIMO Ant 4+3										
6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
	6GHz WLAN	802.11ax-HE20 MCS0	1	5955	not required	8.00	not required	8.00	not required	11.0	not required			
57			6235	7.50		7.50		10.5						
113			6515	9.00		9.00		12.0						
173			6815	11.50		9.50		13.6						
229			7095	12.50		11.50		15.0						
802.11ax-HE40 MCS0		3	5965	10.50		10.50		13.5						
		59	6245	10.00		10.00		13.0						
		107	6485	11.50		11.50		14.5						
		171	6805	14.50		12.50		16.6						
		227	7085	15.00		14.00		17.5						
802.11ax-HE80 MCS0		7	5985	10.50		10.50		13.5						
		71	6305	10.50		10.50		13.5						
		119	6545	13.50		13.50		16.5						
		167	6785	15.00		15.00		18.0						
		215	7025	16.50		16.50		19.5						
802.11ax-HE160 MCS0		15	6025	10.00		10.50		10.00		10.50		13.01	13.5	85.90
		47	6185	10.20		10.50		10.10		10.50		13.16	13.5	
		111	6505	13.10		13.50		13.00		13.50		16.06	16.5	
		175	6825	14.90		15.00		13.40		15.00		17.22	18.0	
		207	6985	16.50		16.50		16.50		16.50		19.50	19.5	



Burst Average Power (dBm)														
Transmit Antenna				MIMO Ant 4+3										
6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
	6GHz WLAN	802.11ax-HE20 MCS0	1	5955	not required	8.00	not required	8.00	not required	11.0	not required			
57			6235	7.50		7.50		10.5						
113			6515	9.00		9.00		12.0						
173			6815	11.50		9.50		13.6						
229			7095	12.50		11.50		15.0						
802.11ax-HE40 MCS0		3	5965	8.00		8.00		11.0						
		59	6245	8.00		8.00		11.0						
		107	6485	11.50		11.50		14.5						
		171	6805	14.50		12.50		16.6						
		227	7085	15.00		14.00		17.5						
802.11ax-HE80 MCS0		7	5985	8.00		8.00		11.0						
		71	6305	8.00		8.00		11.0						
		119	6545	13.50		13.50		16.5						
		167	6785	16.00		16.00		19.0						
		215	7025	15.00		15.00		18.0						
802.11ax-HE160 MCS0		15	6025	6.30		8.00		6.20		8.00		9.26	11.0	85.90
		47	6185	6.10		8.00		6.00		8.00		9.06	11.0	
		111	6505	11.40		11.50		11.10		11.50		14.26	14.5	
		175	6825	15.70		16.00		14.50		16.00		18.15	19.0	
		207	6985	14.70		15.00		14.00		15.00		17.33	18.0	



Burst Average Power (dBm)														
Transmit Antenna				MIMO Ant 4+3										
6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
	6GHz WLAN	802.11ax-HE20 MCS0	1	5955	not required	8.00	not required	8.00	not required	11.0	not required			
57			6235	7.50		7.50		10.5						
113			6515	9.00		9.00		12.0						
173			6815	11.50		9.50		13.6						
229			7095	12.50		11.50		15.0						
802.11ax-HE40 MCS0		3	5965	8.00		8.00		11.0						
		59	6245	8.00		8.00		11.0						
		107	6485	11.50		11.50		14.5						
		171	6805	14.50		12.50		16.6						
		227	7085	15.00		14.00		17.5						
802.11ax-HE80 MCS0		7	5985	8.00		8.00		11.0						
		71	6305	8.00		8.00		11.0						
		119	6545	13.50		13.50		16.5						
		167	6785	16.00		16.00		19.0						
		215	7025	15.00		15.00		18.0						
802.11ax-HE160 MCS0		15	6025	6.30		8.00		6.20		8.00		9.26	11.0	85.90
		47	6185	6.10		8.00		6.00		8.00		9.06	11.0	
		111	6505	11.40		11.50		11.10		11.50		14.26	14.5	
		175	6825	15.70		16.00		14.50		16.00		18.15	19.0	
		207	6985	14.70		15.00		14.00		15.00		17.33	18.0	



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	6GHz WLAN	802.11ax-HE20 MCS0	1	5955	not required	8.00	not required	8.00	not required	11.0
57			6235	7.50		10.5				
113			6515	9.00		12.0				
173			6815	11.50		13.6				
229			7095	12.50		15.0				
802.11ax-HE40 MCS0		3	5965	8.00		11.0				
		59	6245	8.00		11.0				
		107	6485	11.50		14.5				
		171	6805	14.50		16.6				
		227	7085	15.00		17.5				
802.11ax-HE80 MCS0		7	5985	8.00		11.0				
		71	6305	8.00		11.0				
		119	6545	13.50		16.5				
		167	6785	16.00		19.0				
		215	7025	15.00		18.0				
802.11ax-HE160 MCS0		15	6025	6.30		8.00		6.20		8.00
	47	6185	6.10	8.00	6.00	8.00	9.06	11.0		
	111	6505	11.40	11.50	11.10	11.50	14.26	14.5		
	175	6825	15.70	16.00	14.50	16.00	18.15	19.0		
	207	6985	14.70	15.00	14.00	15.00	17.33	18.0		





Burst Average Power (dBm)														
Transmit Antenna				MIMO Ant 4+3										
6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %				
	6GHz WLAN	802.11ax-HE20 MCS0	1	5955	not required	8.00	not required	8.00	not required	11.0	not required			
57			6235	7.50		7.50		10.5						
113			6515	9.00		9.00		12.0						
173			6815	11.50		9.50		13.6						
229			7095	12.50		11.50		15.0						
802.11ax-HE40 MCS0		3	5965	8.00		8.00		11.0						
		59	6245	8.00		8.00		11.0						
		107	6485	11.50		11.50		14.5						
		171	6805	14.50		12.50		16.6						
		227	7085	15.00		14.00		17.5						
802.11ax-HE80 MCS0		7	5985	8.00		8.00		11.0						
		71	6305	8.00		8.00		11.0						
		119	6545	13.50		13.50		16.5						
		167	6785	16.00		16.00		19.0						
		215	7025	15.00		15.00		18.0						
802.11ax-HE160 MCS0		15	6025	6.30		8.00		6.20		8.00		9.26	11.0	85.90
		47	6185	6.10		8.00		6.00		8.00		9.06	11.0	
		111	6505	11.40		11.50		11.10		11.50		14.26	14.5	
		175	6825	15.70		16.00		14.50		16.00		18.15	19.0	
		207	6985	14.70		15.00		14.00		15.00		17.33	18.0	



Burst Average Power (dBm)										
Transmit Antenna				MIMO Ant 4+3						
6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm) 4+3(4)	Tune-Up Limit 4+3(4)	Average power (dBm) 4+3(3)	Tune-Up Limit 4+3(3)	Average power (dBm) 4+3	Tune-Up Limit 4+3	Duty Cycle %
	6GHz WLAN	802.11ax-HE20 MCS0	1	5955	not required	8.00	not required	8.00	not required	11.0
57			6235	7.50		7.50		10.5		
113			6515	9.00		9.00		12.0		
173			6815	11.50		9.50		13.6		
229		7095	12.50	11.50		15.0				
802.11ax-HE40 MCS0		3	5965	8.00		8.00		11.0		
		59	6245	8.00		8.00		11.0		
		107	6485	11.50		11.50		14.5		
		171	6805	14.50		12.50		16.6		
227		7085	15.00	14.00		17.5				
802.11ax-HE80 MCS0		7	5985	8.00		8.00		11.0		
		71	6305	8.00		8.00		11.0		
		119	6545	13.50		13.50		16.5		
		167	6785	16.00		16.00		19.0		
215		7025	15.00	15.00		18.0				
802.11ax-HE160 MCS0		15	6025	6.30		8.00		6.20		8.00
	47	6185	6.10	8.00	6.00	8.00	9.06	11.0		
	111	6505	11.40	11.50	11.10	11.50	14.26	14.5		
	175	6825	15.70	16.00	14.50	16.00	18.15	19.0		
	207	6985	14.70	15.00	14.00	15.00	17.33	18.0		



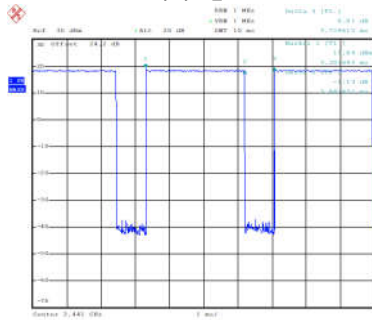
Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.05		
	CH 39	2441	10.35	not required	not required
	CH 78	2480	10.25		
Tune-up Limit			12	12	12

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.11		
	CH 39	2441	10.15	not required	not required
	CH 78	2480	10.01		
Tune-up Limit			12	12	12

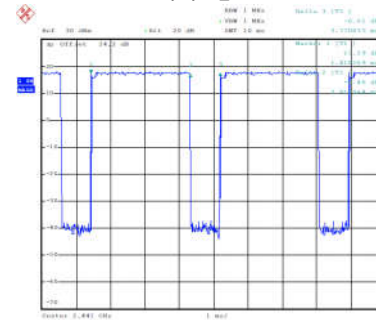
Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402		
	CH 19	2440	not required	not required
	CH 39	2480		
Tune-up Limit			12	12

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402		
	CH 19	2440	not required	not required
	CH 39	2480		
Tune-up Limit			12	12

BT Duty cycle\_Ant 4

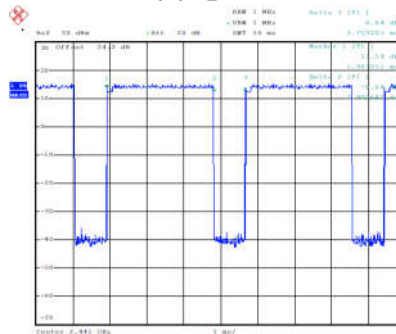


BT Duty cycle\_Ant 3



Mode	Channel	Frequency (MHz)	Average power (dBm)								
			Ant 4			Ant 3			Ant 4+3		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.65			10.05			not required	not required	not required
	CH 39	2441	10.95	not required	not required	10.81	not required	not required	not required	not required	
	CH 78	2480	10.95			10.15			not required	not required	
Tune-up Limit			12	12	12	12	12	12	15	15	15

BT Duty cycle\_Ant 4+3





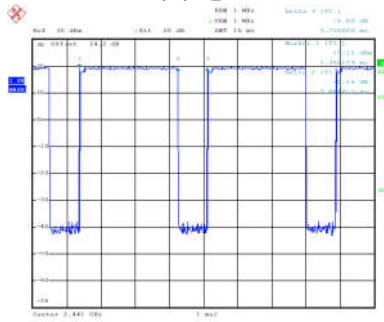
Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.29		
	CH 39	2441	19.18	not required	not required
	CH 78	2480	19.53		
Tune-up Limit			21	18	18

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	20.39		
	CH 39	2441	20.20	not required	not required
	CH 78	2480	20.14		
Tune-up Limit			21	18	18

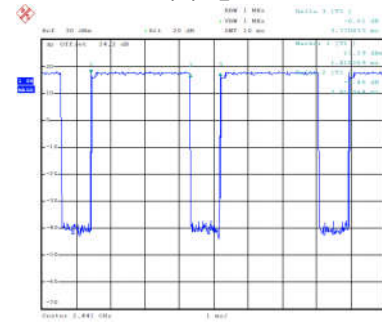
Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402		
	CH 19	2440	not required	not required
	CH 39	2480		
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402		
	CH 19	2440	not required	not required
	CH 39	2480		
Tune-up Limit			21	21

BT Duty cycle\_Ant 4

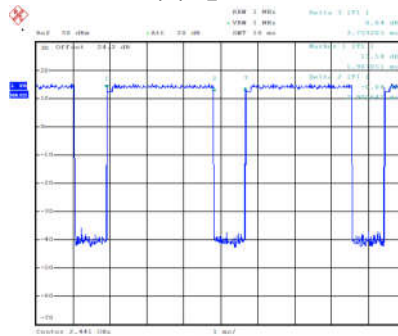


BT Duty cycle\_Ant 3



Mode	Channel	Frequency (MHz)	Average power (dBm)								
			Ant 4			Ant 3			Ant 4+3		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	17.12			16.55			not required	not required	not required
	CH 39	2441	16.75	not required	not required	16.35	not required	not required	not required	not required	
	CH 78	2480	17.31			16.94			not required	not required	
Tune-up Limit			17.5	15	15	17.5	15	15	20.5	18.00	18

BT Duty cycle\_Ant 4+3





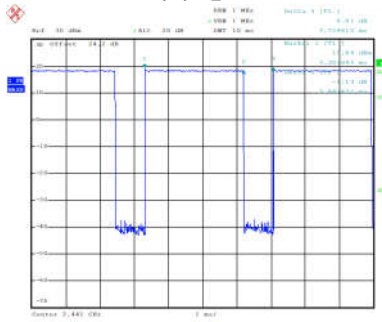
Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.65		
	CH 39	2441	14.65	not required	not required
	CH 78	2480	14.85		
Tune-up Limit			15	15	15

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.55		
	CH 39	2441	14.45	not required	not required
	CH 78	2480	14.65		
Tune-up Limit			15	15	15

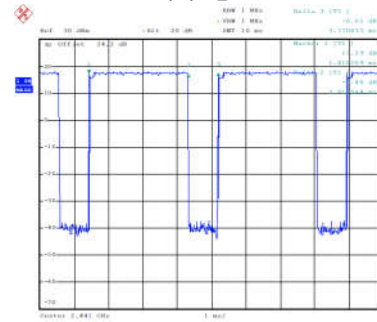
Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402		
	CH 19	2440	not required	not required
	CH 39	2480		
Tune-up Limit			15	15

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402		
	CH 19	2440	not required	not required
	CH 39	2480		
Tune-up Limit			15	15

BT Duty cycle\_Ant 4

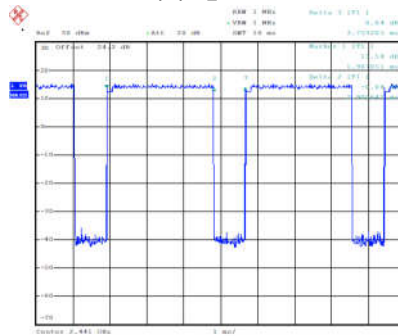


BT Duty cycle\_Ant 3



Mode	Channel	Frequency (MHz)	Average power (dBm)								
			Ant 4			Ant 3			Ant 4+3		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.75			14.75			not required	not required	not required
	CH 39	2441	14.75	not required	not required	14.55	not required	not required	not required	not required	
	CH 78	2480	14.75			14.35			not required	not required	
Tune-up Limit			15	15	15	15	15	15	18	18	18

BT Duty cycle\_Ant 4+3





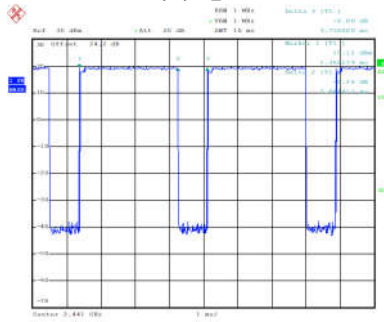
Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.29		
	CH 39	2441	19.18	not required	not required
	CH 78	2480	19.53		
Tune-up Limit			21	18	18

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	20.39		
	CH 39	2441	20.20	not required	not required
	CH 78	2480	20.14		
Tune-up Limit			21	18	18

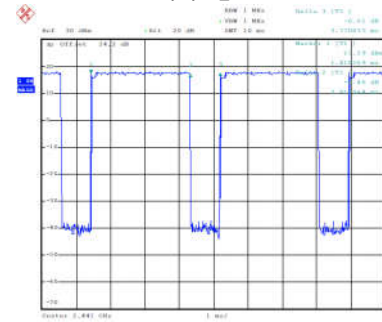
Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402		
	CH 19	2440	not required	not required
	CH 39	2480		
Tune-up Limit			20	20

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402		
	CH 19	2440	not required	not required
	CH 39	2480		
Tune-up Limit			21	21

BT Duty cycle\_Ant 4



BT Duty cycle\_Ant 3



Mode	Channel	Frequency (MHz)	Average power (dBm)								
			Ant 4			Ant 3			Ant 4+3		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	17.12			16.55			not required	not required	not required
	CH 39	2441	16.75	not required	not required	16.35	not required	not required	not required	not required	
	CH 78	2480	17.31			16.94			not required	not required	
Tune-up Limit			17.5	15	15	17.5	15	15	20.5	18	18

BT Duty cycle\_Ant 4+3

