

[illegible]

Band 2_Ant 2(ENDC)												
RF/MW	Modulation	RB Size	PRB Offset	Power Level Ch. A/B	Power Level Ch. C/D	Power Level Ch. E/F	Time-slot (ms)	Turn-up (dBm)	Mbps (dB)			
Channel												
18600 18600 19100												
20	QPSK	1	0	22.74	22.80	22.82						
20	QPSK	1	89	22.80	22.80	22.77		23.5	0			
20	QPSK	1	89	22.83	22.80	22.74						
20	QPSK	1	89	22.86	22.80	22.68						
20	QPSK	96	24	21.51	21.50	21.50		22.5	1			
20	QPSK	96	24	21.78	21.50	21.50						
20	QPSK	96	24	21.83	21.50	21.50						
20	HQAM	1	0	21.93	22.00	21.90						
20	HQAM	1	89	21.93	22.00	21.90		22.5	1			
20	HQAM	1	89	21.87	21.90	21.82						
20	HQAM	50	0	20.05	21.08	20.94						
20	HQAM	50	89	20.05	21.08	20.94		21.5	2			
20	HQAM	50	89	21.01	21.03	21.03						
20	HQAM	100	0	20.95	21.06	20.95						
20	HQAM	100	89	20.95	21.06	20.95		21.5	2			
20	HQAM	1	89	20.98	21.00	21.00						
20	HQAM	1	89	21.01	21.00	21.00						
20	HQAM	50	24	19.92	20.00	19.94		20.5	3			
20	HQAM	100	0	19.85	19.90	19.85						
20	HQAM	100	89	19.85	19.90	19.85						
20	HQAM	1	89	18.07	18.08	17.96		18.5	5			
20	HQAM	1	89	18.03	18.12	18.03						
20	HQAM	1	89	18.07	18.12	17.97						
20	HQAM	50	0	18.00	18.05	17.91						
20	HQAM	50	89	18.00	18.05	17.91		18.5	5			
20	HQAM	50	89	17.99	18.11	17.98						
20	HQAM	100	0	18.01	18.06	17.93						
Channel												
18615 18600 19005												
15	QPSK	1	0	22.74	22.80	22.83						
15	QPSK	1	89	22.80	22.80	22.77		23.5	0			
15	QPSK	1	89	22.83	22.80	22.74						
15	QPSK	14	22.81	22.84	22.84							
15	QPSK	36	0	21.89	21.54	21.61		22.5	1			
15	QPSK	36	89	21.89	21.54	21.61						
15	QPSK	36	89	21.84	21.54	21.52						
15	QPSK	75	0	21.77	21.85	21.78		22.5	1			
15	QPSK	75	89	21.78	21.86	21.77						
15	HQAM	1	89	21.85	21.86	21.71		22.5	1			
15	HQAM	1	89	21.83	21.86	21.71						
15	HQAM	36	0	20.87	21.05	20.79						
15	HQAM	36	89	20.88	20.90	20.84		21.5	2			
15	HQAM	36	89	20.88	20.90	20.84						
15	HQAM	75	0	20.84	20.90	20.80						
15	HQAM	75	89	20.88	20.90	20.87		21.5	2			
15	HQAM	1	89	20.90	20.90	20.87						
15	HQAM	36	0	19.80	19.98	19.91						
15	HQAM	36	89	19.88	19.98	19.87		20.5	3			
15	HQAM	75	0	19.83	19.96	19.94						
15	HQAM	75	89	19.87	19.96	19.92						
15	HQAM	1	89	19.06	17.90	17.92						
15	HQAM	1	89	18.00	18.02	17.93		18.5	5			
15	HQAM	36	0	17.98	17.98	17.90						
15	HQAM	36	89	17.98	17.98	17.90						
15	HQAM	75	0	17.96	18.06	17.99		18.5	5			
15	HQAM	75	89	17.96	18.06	17.98						
Channel												
18620 18600 19015												
10	QPSK	1	0	22.74	22.78	22.77						
10	QPSK	1	26	22.79	22.78	22.75		23.5	0			
10	QPSK	1	26	22.79	22.78	22.75						
10	QPSK	25	0	21.79	21.80	21.77						
10	QPSK	25	12	21.87	21.82	21.81		22.5	1			
10	QPSK	25	12	21.87	21.82	21.81						
10	QPSK	50	0	21.76	21.78	21.78						
10	QPSK	50	0	21.78	21.80	21.80		22.5	1			
10	HQAM	1	89	21.77	21.85	21.77		22.5	1			
10	HQAM	1	89	21.78	21.86	21.77						
10	HQAM	1	89	21.79	21.86	21.77						
10	HQAM	25	12	20.92	20.90	20.85		21.5	2			
10	HQAM	25	26	20.88	20.91	20.84						
10	HQAM	25	26	20.88	20.91	20.84		21.5	2			
10	HQAM	1	89	20.82	20.93	20.83						
10	HQAM	1	89	20.87	20.93	20.83						
10	HQAM	25	0	19.87	20.80	20.80		20.5	3			
10	HQAM	25	12	19.88	20.82	20.82						
10	HQAM	25	12	19.87	20.80	20.80						
10	HQAM	25	12	19.88	20.82	20.82		20.5	3			
10	HQAM	50	0	19.72	19.98	19.74						
10	HQAM	50	0	19.74	19.98	19.74		20.5	3			
10	HQAM	1	89	17.92	17.97	17.97		18.5	5			
10	HQAM	1	89	17.97	17.97	17.96						
10	HQAM	25	12	17.88	18.00	17.89		18.5	5			
10	HQAM	25	26	17.84	18.00	17.87						
Channel												
18625 18600 19075												
5	QPSK	1	0	22.78	22.82	22.82						
5	QPSK	1	24	22.72	22.74	22.72		23.5	0			
5	QPSK	1	24	22.72	22.74	22.69						
5	QPSK	12	7	21.83	21.50	21.85		22.5	1			
5	QPSK	12	13	21.76	21.78	21.78						
5	QPSK	12	13	21.78	21.80	21.80		22.5	1			
5	HQAM	1	0	21.85	21.80	21.86						
5	HQAM	1	89	21.85	21.80	21.86		22.5	1			
5	HQAM	12	7	20.86	20.98	20.89						
5	HQAM	12	13	20.87	20.98	20.89		21.5	2			
5	HQAM	12	13	21.00	21.02	20.96						
5	HQAM	25	0	20.84	21.04	20.83						
5	HQAM	25	13	20.85	21.04	20.83		21.5	2			
5	HQAM	1	89	20.80	20.93	20.81						
5	HQAM	12	7	19.86	20.00	19.85		20.5	3			
5	HQAM	12	13	19.96	19.94	19.90						
5	HQAM	12	13	19.94	19.94	19.90		20.5	3			
5	HQAM	1	89	18.03	18.00	17.92		18.5	5			
5	HQAM	1	89	18.03	18.00	17.92						
5	HQAM	1	89	18.03	18.00	17.92						
5	HQAM	12	0	17.88	17.98	17.88						
5	HQAM	12	13	17.89	18.00	17.89		18.5	5			
5	HQAM	12	13	17.90	18.00	17.90						
5	HQAM	25	0	17.99	18.06	17.78						
Channel												
18631 18600 19083												
3	QPSK	1	0	22.78	22.80	22.83		23.5	0			
3	QPSK	8	22.79	22.80	22.79							
3	QPSK	8	22.79	22.80	22.79							
3	QPSK	8	7	21.83	21.83	21.85		22.5	1			
3	QPSK	15	0	21.77	21.78	21.75						
3	QPSK	15	0	21.79	21.80	21.79						
3	QPSK	8	7	21.81	21.83	21.85						
3	HQAM	1	8	21.78	21.77	21.67						
3	HQAM	1	14	21.88	21.86	21.81		22.5	1			
3	HQAM	8	22.80	20.96	20.96							
3	HQAM	8	22.80	20.96	20.96		21.5	2				
3	HQAM	1	8	20.89	20.80	20.67						
3	HQAM	1	14	20.89	20.80	20.67		21.5	2			
3	HQAM	8	22.80	19.86	19.86							
3	HQAM	8	7	19.95	19.90	19.83		20.5	3			
3	HQAM	15	0	17.92	19.05	19.81						
3	HQAM	15	0	17.93	18.00	17.93		18.5	5			
3	HQAM	15	0	17.92	18.00	17.93						
3	HQAM	8	22.80	17.98	18.00							
3	HQAM	8	7	17.85	18.02	17.86						
3	HQAM	8	7	17.88	18.00	17.87		18.5	5			
3	HQAM	15	0	17.88	18.02	17.88						
Channel												
18637 18600 19193												
14	QPSK	1	0	22.83	22.82	22.82						
14	QPSK	1	3	22.78	22.83	22.85		23.5	0			
14	QPSK	1	3	22.80	22.86	22.85						
14	QPSK	3	1	22.69	22.70	22.75						
14	QPSK	3	1	22.71	22.72	22.75						
14	QPSK	6	0	21.76	21.81	21.76		22.5	1			
14	HQAM	1	0	21.92	21.88	21.80						
14	HQAM	1	3	21.93	21.88	21.80		22.5	1			
14	HQAM	1	6	21.62	21.79	21.61						
14	HQAM	3	1	21.68	21.77	21.71		21.5	2			
14	HQAM	3	1	21.67	21.74	21.71						
14	HQAM	6	0	20.96	20.90	20.79		21.5	2			
14	HQAM	6	0	20.88	20.96	20.96						
14	HQAM	3	1	20.77	20.90	20.73		21.5	2			
14	HQAM	3	1	20.74	20.90	20.80						
14	HQAM	6	0	19.94	19.87	17.86		20.5	3			
14	HQAM	6	0	17.88	18.00	17.86						
14	HQAM	6	0	17.94	18.01	17.86						
14	HQAM	6	0	17.94	18.01	17.86						
14	HQAM	3	1	17.85	17.95	17.81		18.5	5			
14	HQAM	3	1	17.87	18.02	17.86						
14	HQAM	3	1	17.88	18.02	17.86		18.5	5			

Band 4 Ant 0											
RF (MHz)	Modulation	RB Size	RB Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Time-Offset (ms)	MPE (dB)
Channel				20050	21000	21750	22250	22750	23000		
20	QPSK	5	0	22.22	22.24	22.28	22.30			23.5	0
20	QPSK	1	99	22.22	22.24	22.27	22.28				
20	QPSK	5	0	22.22	22.24	22.28	22.30				
20	QPSK	50	24	21.25	21.27	21.31	21.34			22.5	1
20	QPSK	50	50	21.29	21.28	21.30	21.30				
20	QPSK	50	99	21.29	21.28	21.30	21.30				
20	16QAM	1	0	21.66	21.31	21.61				22.5	1
20	16QAM	1	99	21.66	21.31	21.61					
20	16QAM	1	99	20.50	20.78	20.48					
20	16QAM	50	0	20.77	20.55	20.11					
20	16QAM	50	50	20.77	20.55	20.11				21.5	2
20	16QAM	50	99	20.77	20.55	20.11					
20	16QAM	100	0	20.07	20.16	20.02					
20	16QAM	100	50	20.07	20.16	20.02					
20	16QAM	100	99	20.07	20.16	20.02					
20	64QAM	1	49	21.23	21.37	20.80				21.5	2
20	64QAM	1	99	21.23	21.37	20.80					
20	64QAM	50	0	21.09	21.09	20.80					
20	64QAM	50	50	21.09	21.09	20.80					
20	64QAM	50	99	21.09	21.09	20.80					
20	64QAM	50	24	20.16	20.11	20.21				20.5	3
20	64QAM	50	50	20.15	20.12	20.17					
20	64QAM	50	99	20.15	20.12	20.17					
20	256QAM	1	0	17.14	17.19	17.16				18.5	1
20	256QAM	1	99	17.14	17.19	17.16					
20	256QAM	50	0	17.04	17.17	17.15					
20	256QAM	50	50	17.04	17.05	17.02					
20	256QAM	50	99	17.04	17.04	17.09					
20	256QAM	100	0	17.19	17.22	17.16				Time-Offset (ms)	MPE (dB)
Channel				1711.5	1732.5	1753.5					
15	QPSK	1	0	22.09	22.04	22.07				23.5	0
15	QPSK	1	99	22.09	22.08	22.08					
15	QPSK	1	74	21.97	21.83	21.02				22.5	1
15	QPSK	36	0	21.13	21.03	21.28					
15	QPSK	36	99	21.13	21.08	21.13					
15	QPSK	36	24	21.08	20.98	21.04					
15	QPSK	75	0	21.19	21.04	21.08				22.5	1
15	16QAM	1	27	21.31	21.52	21.58					
15	16QAM	1	99	21.31	21.52	21.58					
15	16QAM	36	0	20.13	20.20	20.18				21.5	2
15	16QAM	36	99	20.17	20.52	20.12					
15	16QAM	36	24	20.01	19.88	20.02					
15	16QAM	75	0	20.00	20.08	20.18					
15	64QAM	1	0	21.22	21.30	20.80				21.5	2
15	64QAM	1	99	21.22	21.30	20.80					
15	64QAM	50	0	21.09	21.09	20.80					
15	64QAM	50	50	21.09	21.09	20.80					
15	64QAM	50	99	21.09	21.09	20.80					
15	64QAM	50	24	20.16	20.11	20.21				20.5	3
15	64QAM	50	50	20.15	20.12	20.17					
15	64QAM	50	99	20.15	20.12	20.17					
15	256QAM	1	0	17.02	17.16	17.02				18.5	5
15	256QAM	1	99	18.01	17.06	17.01					
15	256QAM	50	0	17.13	17.23	17.14					
15	256QAM	50	50	18.09	17.04	16.96					
15	256QAM	50	99	17.04	16.96	16.83				18.5	5
15	256QAM	100	0	17.00	17.00	17.00					
15	256QAM	100	99	17.18	17.11	17.00					
Channel				19000	19250	19500				Time-Offset (ms)	MPE (dB)
Frequency (MHz)				1711.5	1732.5	1753.5					
10	QPSK	1	0	22.08	22.14	22.08				23.5	0
10	QPSK	1	25	21.88	22.03	21.98					
10	QPSK	1	74	21.82	21.82	21.82				22.5	1
10	QPSK	25	0	21.04	21.09	21.07					
10	QPSK	25	12	21.04	21.07	21.21				22.5	1
10	QPSK	25	99	21.04	21.09	21.21					
10	QPSK	50	0	21.04	20.93	21.05				22.5	1
10	QPSK	50	24	21.08	21.15	21.47					
10	16QAM	1	49	21.38	21.50	21.45				22.5	1
10	16QAM	1	99	21.38	21.50	21.45					
10	16QAM	25	0	20.12	20.00	19.96				21.5	2
10	16QAM	25	12	20.12	20.00	19.96					
10	16QAM	25	25	19.97	20.15	20.22					
10	16QAM	25	99	19.97	20.00	20.00					
10	16QAM	50	0	21.10	21.34	20.24				21.5	2
10	16QAM	50	24	21.38	21.45	20.36					
10	16QAM	50	50	21.38	21.45	20.36					
10	16QAM	50	99	21.38	21.45	20.36				20.5	3
10	16QAM	100	0	20.19	20.04	20.17					
10	16QAM	100	50	20.19	20.04	20.17					
10	16QAM	100	99	20.19	20.04	20.17					
10	256QAM	1	49	18.99	17.12	17.02				18.5	5
10	256QAM	1	99	18.99	17.12	17.02					
10	256QAM	50	0	18.99	16.89	16.89				18.5	5
10	256QAM	50	25	18.97	17.02	16.97					
10	256QAM	50	99	17.02	17.02	17.02					
Channel				1711.5	1732.5	1753.5				Time-Offset (ms)	MPE (dB)
Frequency (MHz)				1711.5	1732.5	1753.5					
5	QPSK	1	0	22.08	22.14	22.11				23.5	0
5	QPSK	1	12	22.05	22.18	21.99					
5	QPSK	1	24	21.91	22.05	21.90					
5	QPSK	12	7	21.19	21.01	21.07				22.5	1
5	QPSK	12	13	21.00	21.01	21.07					
5	QPSK	25	0	20.94	20.94	21.04				22.5	1
5	16QAM	1	0	21.47	21.12	21.49				22.5	1
5	16QAM	1	99	21.49	21.24	21.58					
5	16QAM	1	99	20.71	20.71	20.71					
5	16QAM	12	0	21.02	19.99	19.93				21.5	2
5	16QAM	12	13	19.95	20.10	20.20					
5	16QAM	25	0	19.87	19.99	20.13					
5	16QAM	25	12	19.87	20.02	20.07					
5	16QAM	25	24	19.87	19.94	20.13				21.5	2
5	16QAM	25	99	19.87	19.94	20.13					
5	16QAM	50	0	20.12	19.94	20.10				20.5	3
5	16QAM	50	12	20.02	20.04	20.06					
5	16QAM	50	24	20.02	20.04	20.06					
5	16QAM	50	99	20.02	20.04	20.06					
5	256QAM	1	0	16.98	17.00	16.96				18.5	5
5	256QAM	1	99	16.98	17.00	16.96					
5	256QAM	50	0	16.98	17.00	16.96					
5	256QAM	50	24	16.93	17.01	17.11				18.5	5
5	256QAM	50	99	16.88	17.02	17.11					
5	256QAM	100	0	17.06	17.02	17.06					
5	256QAM	100	12	16.98	17.02	17.03					
5	256QAM	100	24	16.98	17.02	17.03					
Channel				19957	20155	20393				Time-Offset (ms)	MPE (dB)
Frequency (MHz)				19957	20155	20393					
1.4	QPSK	1	0	22.25	22.24	22.29				23.5	0
1.4	QPSK	1	3	22.22	22.21	22.30					
1.4	QPSK	1	14	22.22	22.21	22.24					
1.4	QPSK	1	0	22.23	22.27	22.27				22.5	1
1.4	QPSK	1	1	22.24	22.27	22.23					
1.4	QPSK	1	14	22.23	22.27	22.23					
1.4	QPSK	6	7	21.23	21.28	21.29				22.5	1
1.4	16QAM	1	0	21.56	21.54	21.56					
1.4	16QAM	1	3	21.56	21.54	21.56					
1.4	16QAM	1	14	21.56	21.54	21.56				22.5	1
1.4	16QAM	6	0	21.39	21.46	21.46					
1.4	16QAM	6	7	21.39	21.46	21.46					
1.4	16QAM	6	14	21.39	21.46	21.46				21.5	2
1.4	16QAM	6	0	20.41	20.40	20.42					
1.4	16QAM	6	7	20.40	20.46	20.48					
1.4	16QAM	6	14	20.40	20.42	20.38				21.5	2
1.4	16QAM	6	0	20.37	20.47	20.37					
1.4	16QAM	6	7	20.37	20.47	20.37					
1.4	16QAM	6	14	20.37	20.47	20.37				20.5	3
1.4	16QAM	6	0	17.28	17.19	17.24					
1.4	16QAM	6	7	17.18	17.28	17.18					
1.4	16QAM	6	14	17.18	17.28	17.18				18.5	5
1.4	256QAM	1	0	17.28	17.23	17.22					
1.4	256QAM	1	3	17.28	17.23	17.22					
1.4	256QAM	1	14	17.28	17.23	17.22					
1.4	256QAM	6	0	17.							

Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Ch. Power (Frac)	Power Ch. / Power Freq	Power Ch. / Power Freq	Power Ch. / Power Freq	Time-slot (ms)	APRS (dB)	
Channel										
Frequency (MHz)				929	936.5	94.1				
10	QPSK	1	0	16.82	16.82	16.82	16.82			
10	QPSK	1	26	21.63	21.78	21.64		23	0	
10	QPSK	1	46	21.56	21.69	21.53				
10	QPSK	25	0	20.60	20.78	20.70				
10	QPSK	26	12	20.29	20.38	20.74		22	1	
10	QPSK	25	26	20.67	20.85	20.77				
10	QPSK	30	0	20.71	20.80	20.72				
10	HQAM	1	0	21.31	21.42	21.30		21	1	
10	HQAM	1	26	19.71	19.87	19.72				
10	HQAM	1	46	20.70	20.97	20.94				
10	HQAM	25	0	19.84	19.78	19.70				
10	HQAM	26	12	19.82	19.82	19.86				
10	HQAM	25	26	19.71	19.62	19.83		21	2	
10	HQAM	50	0	19.72	19.81	19.74				
10	HQAM	1	26	19.82	19.78	19.72				
10	HQAM	1	26	19.79	19.88	19.86		21	2	
10	HQAM	1	46	19.86	19.62	19.88				
10	HQAM	25	0	19.82	19.78	19.72				
10	HQAM	25	12	18.78	18.73	19.88		20	3	
10	HQAM	26	12	18.78	18.71	18.82				
10	HQAM	50	0	18.75	18.71	18.82				
10	25SSB	1	0	18.71	18.72	18.74				
10	25SSB	1	26	18.82	18.81	18.83		18		
10	25SSB	1	46	18.50	18.74	18.74				
10	25SSB	25	0	18.70	18.70	18.88				
10	25SSB	25	12	18.70	18.70	18.72				
10	25SSB	26	12	18.66	18.65	18.71				
10	25SSB	50	0	18.64	18.61	18.71				
Channel										
Frequency (MHz)				926.5	936.5	946.5		Time-slot (ms)	APRS (dB)	
5	QPSK	1	0	21.50	21.58	21.79				
5	QPSK	1	8	21.63	21.66	21.74		23	0	
5	QPSK	1	24	21.62	21.61	21.63				
5	QPSK	8	4	20.47	20.65	20.68				
5	QPSK	8	4	20.62	20.63	20.72		22	1	
5	QPSK	8	16	20.71	20.73	20.72				
5	QPSK	16	0	20.67	20.73	20.76				
5	HQAM	1	8	20.86	21.33	21.31		22	1	
5	HQAM	1	24	20.87	20.89	20.84				
5	HQAM	1	14	20.62	20.67	20.92				
5	HQAM	8	4	19.64	19.69	19.62				
5	HQAM	8	4	19.48	19.78	19.52		21	2	
5	HQAM	8	7	19.85	19.65	19.82				
5	HQAM	16	0	19.62	19.77	19.74				
5	HQAM	1	0	19.78	19.64	19.68				
5	HQAM	1	8	19.78	19.72	19.60		21	2	
5	HQAM	1	14	19.75	19.66	19.68				
5	HQAM	8	8	18.64	18.59	18.61				
5	HQAM	8	4	18.60	18.59	18.64		20	3	
5	HQAM	8	7	18.60	18.56	18.67				
5	HQAM	15	0	18.54	18.63	18.63				
5	25SSB	1	0	18.57	18.58	18.64				
5	25SSB	1	8	18.57	18.51	18.53		18		
5	25SSB	1	14	18.58	18.66	18.63				
5	25SSB	8	0	18.52	18.57	18.57		18	5	
5	25SSB	8	4	18.57	18.47	18.55				
5	25SSB	6	7	18.46	18.79	18.68				
5	25SSB	15	0	18.47	18.58	18.55				
Channel										
Frequency (MHz)				924.7	936.5	946.3		Time-slot (ms)	APRS (dB)	
1.4	QPSK	1	0	21.72	21.63	21.64				
1.4	QPSK	1	3	21.72	21.67	21.63		23	0	
1.4	QPSK	1	5	21.69	21.67	21.62				
1.4	QPSK	1	21	21.71	21.66	20.68				
1.4	QPSK	3	1	21.72	21.69	21.64				
1.4	QPSK	3	3	21.76	21.70	21.67		22	1	
1.4	QPSK	3	5	21.52	21.62	21.67				
1.4	HQAM	1	0	21.04	20.98	20.93				
1.4	HQAM	1	3	21.10	21.10	21.07		22	1	
1.4	HQAM	1	5	21.04	21.04	21.07				
1.4	HQAM	3	0	20.88	20.80	20.78				
1.4	HQAM	3	3	20.89	20.80	20.77				
1.4	HQAM	3	3	20.94	20.74	20.70				
1.4	HQAM	6	0	19.82	19.83	19.74		21	2	
1.4	HQAM	3	3	19.80	19.80	19.81				
1.4	HQAM	3	1	19.80	19.83	20.00				
1.4	HQAM	1	5	19.72	19.84	19.92				
1.4	HQAM	3	3	19.82	19.82	19.73		21	2	
1.4	HQAM	3	1	19.82	19.84	19.81				
1.4	25SSB	1	3	19.87	19.82	19.75				
1.4	25SSB	1	6	19.79	19.74	19.73		20	3	
1.4	25SSB	1	0	18.70	18.64	18.54				
1.4	25SSB	1	0	18.67	18.73	18.72				
1.4	25SSB	1	5	18.60	18.60	18.66		18	5	
1.4	25SSB	3	0	18.81	18.62	18.74				
1.4	25SSB	3	3	18.86	18.73	18.71				
1.4	25SSB	3	3	18.84	18.78	18.61				
1.4	25SSB	6	5	18.63	18.78	18.63		18	5	

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turnup time (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.95	21.05	21.05	23.5	0		
20	QPSK	1	49	22.06	22.07	22.07				
20	QPSK	1	99	22.09	22.07	22.07				
20	QPSK	50	24	21.54	21.68	21.51				
20	QPSK	50	50	21.55	21.63	21.49				
20	QPSK	100	0	21.58	21.61	21.59	22.5	1		
20	HQAM	1	0	21.93	21.93	21.97				
20	HQAM	1	49	21.77	22.23	22.06				
20	HQAM	1	99	21.85	21.91	21.53				
20	HQAM	50	0	20.64	20.75	20.59				
20	HQAM	50	24	20.74	20.96	20.54	21.5	2		
20	HQAM	50	50	20.68	20.85	20.48				
20	HQAM	100	0	20.62	20.85	20.51				
20	HQAM	1	0	20.40	20.69	21.21				
20	HQAM	1	49	21.02	21.02	21.02				
20	HQAM	1	99	20.42	20.50	20.33	20.5	3		
20	HQAM	50	24	19.56	19.74	19.63				
20	HQAM	50	50	19.68	19.67	19.58				
20	HQAM	100	0	19.68	19.73	19.60				
20	HQAM	1	0	17.51	17.62	17.58				
20	HQAM	1	49	17.48	17.74	17.83	18.5	5		
20	HQAM	1	99	17.60	17.62	17.47				
20	HQAM	50	0	17.62	17.69	17.43				
20	HQAM	50	24	17.58	17.66	17.39				
20	HQAM	100	0	17.62	17.71	17.49				
Channel										
Frequency (MHz)										
16	QPSK	1	0	20.97	21.05	21.05	Turnup limit	MPR (dB)		
16	QPSK	1	49	22.08	22.04	21.99				
16	QPSK	1	97	22.50	22.28	22.42				
16	QPSK	50	24	22.07	22.22	22.02				
16	QPSK	50	50	21.66	21.66	21.54				
16	QPSK	26	24	21.46	21.62	21.47	22.5	1		
16	QPSK	50	0	21.48	21.62	21.42				
16	QPSK	50	24	21.47	21.59	21.43				
16	QPSK	50	50	21.38	21.41	21.41				
16	HQAM	1	0	21.68	21.73	21.69				
16	HQAM	1	97	21.68	22.18	21.78	22.5	1		
16	HQAM	1	24	21.76	21.77	21.36				
16	HQAM	1	49	21.76	22.24	22.19				
16	HQAM	26	24	20.63	20.59	20.43				
16	HQAM	50	0	20.68	20.60	20.37				
16	HQAM	50	24	20.68	20.72	20.51	21.5	2		
16	HQAM	50	50	20.36	20.58	20.28				
16	HQAM	1	0	21.07	21.07	21.03				
16	HQAM	1	49	20.75	20.75	20.63				
16	HQAM	30	0	19.52	19.56	19.49				
16	HQAM	30	24	19.41	19.74	19.49	20.5	3		
16	HQAM	30	50	19.52	19.62	19.46				
16	HQAM	70	0	18.65	18.58	18.43				
16	HQAM	70	24	18.68	18.58	18.43				
16	HQAM	70	50	17.58	17.58	17.58				
16	SSBAM	1	37	17.27	17.65	17.26	18.5	5		
16	SSBAM	1	74	17.87	17.45	17.44				
16	SSBAM	1	111	17.52	17.47	17.47				
16	SSBAM	26	24	17.54	17.41	17.26				
16	SSBAM	30	39	17.37	17.45	17.43				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.90	21.05	21.05	Turnup limit	MPR (dB)		
10	QPSK	1	25	22.47	22.47	22.42				
10	QPSK	1	49	22.08	22.05	22.01				
10	QPSK	1	74	21.59	21.61	21.54				
10	QPSK	25	12	21.31	21.54	21.49				
10	QPSK	25	26	21.47	21.59	21.43	22.5	1		
10	QPSK	25	51	21.73	21.22	21.51				
10	HQAM	1	0	21.83	21.77	21.87				
10	HQAM	25	26	21.73	22.28	21.86				
10	HQAM	25	51	21.73	21.22	21.51				
10	HQAM	26	0	20.58	20.66	20.51	21.5	2		
10	HQAM	26	26	20.59	20.57	20.47				
10	HQAM	50	26	20.51	20.60	20.46				
10	HQAM	50	0	20.48	20.52	20.37				
10	HQAM	50	26	20.48	20.51	20.37				
10	HQAM	1	26	21.04	20.98	20.45	21.5	2		
10	HQAM	1	49	20.28	20.62	20.21				
10	HQAM	25	26	20.55	20.55	20.55				
10	HQAM	25	51	19.61	19.67	19.52				
10	HQAM	26	12	19.43	19.63	19.49				
10	HQAM	25	26	19.61	19.67	19.52	20.5	3		
10	HQAM	26	26	19.61	19.67	19.52				
10	HQAM	1	0	17.51	17.53	17.42				
10	HQAM	1	26	17.29	17.54	17.42				
10	HQAM	1	51	17.73	17.45	17.45				
10	SSBAM	25	26	17.51	17.59	17.59	18.5	5		
10	SSBAM	25	51	17.59	17.59	17.59				
10	SSBAM	26	12	17.45	17.62	17.50				
10	SSBAM	26	26	17.45	17.62	17.50				
10	SSBAM	50	0	17.45	17.61	17.51				
Channel										
Frequency (MHz)										
6	QPSK	1	0	20.97	21.05	21.05	Turnup limit	MPR (dB)		
6	QPSK	1	12	22.50	22.29	22.14				
6	QPSK	1	25	22.48	22.24	22.14				
6	QPSK	12	7	21.46	21.47	21.55				
6	QPSK	12	19	21.48	21.73	21.45				
6	QPSK	26	1	21.48	21.50	21.51	22.5	1		
6	QPSK	26	12	21.48	21.60	21.59				
6	QPSK	1	12	21.68	22.22	21.78				
6	HQAM	1	24	21.82	21.28	21.29				
6	HQAM	1	37	21.82	21.28	21.29				
6	HQAM	12	7	20.56	20.58	20.54	21.5	2		
6	HQAM	12	13	20.59	20.61	20.53				
6	HQAM	12	19	20.59	20.61	20.53				
6	HQAM	1	0	20.25	20.25	20.13				
6	HQAM	1	12	20.59	20.73	20.49				
6	HQAM	12	13	20.59	20.73	20.49	20.5	3		
6	HQAM	12	19	20.59	20.73	20.49				
6	HQAM	26	0	19.56	19.66	19.62				
6	HQAM	26	12	19.56	19.66	19.62				
6	HQAM	26	19	19.56	19.66	19.62				
6	SSBAM	12	12	17.29	17.63	17.54	18.5	5		
6	SSBAM	12	24	17.63	17.69	17.51				
6	SSBAM	12	37	17.63	17.69	17.51				
6	SSBAM	12	19	17.48	17.59	17.50				
6	SSBAM	12	7	17.38	17.55	17.50				

Band 12_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [F/MHz]	Power Middle Ch [F/MHz]	Power High Ch [F/MHz]	Turn-up time (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				21000	21006	21010				
				704	704	7336				
10	QPSK	1	0	21.02	21.02	21.02	23	0		
10	QPSK	1	25	21.94	21.74	21.74	22	0		
10	QPSK	1	49	21.70	21.79	21.70				
10	QPSK	25	0	20.81	20.68	20.76				
10	QPSK	25	25	20.85	20.76	20.83				
10	QPSK	50	0	20.80	20.86	20.84				
10	HQAM	1	0	21.17	21.04	21.04	22	1		
10	HQAM	1	25	21.85	20.89	21.33				
10	HQAM	1	49	21.88	20.60	21.06				
10	HQAM	25	0	19.82	19.80	19.79				
10	HQAM	25	12	19.88	19.82	19.79				
10	HQAM	25	25	19.88	19.82	19.79	21	2		
10	HQAM	50	0	19.82	19.88	19.85				
10	HQAM	1	0	19.86	19.82	19.99				
10	HQAM	1	25	20.19	20.27	20.25				
10	HQAM	1	49	20.10	19.72	20.25				
10	HQAM	25	0	18.75	18.75	18.71	20	3		
10	HQAM	25	12	18.83	18.82	18.80				
10	HQAM	25	25	18.94	18.81	18.91				
10	HQAM	50	0	18.79	18.84	18.82				
10	HQAM	1	0	18.88	18.71	18.94				
10	HQAM	1	25	18.91	18.68	18.84	18	5		
10	HQAM	1	49	18.88	18.72	18.81				
10	HQAM	25	0	18.79	18.83	18.89				
10	HQAM	25	12	18.82	18.70	18.70				
10	HQAM	25	25	18.82	18.70	18.82				
10	HQAM	50	0	18.79	18.68	18.67	20.5	3		
10	HQAM	1	0	21.02	21.02	21.02				
10	HQAM	1	25	21.97	21.76	21.76				
10	HQAM	1	49	21.80	21.75	21.53				
10	HQAM	25	0	20.81	20.64	20.75				
10	QPSK	12	7	20.77	20.62	20.73	22	1		
10	QPSK	12	13	20.76	20.62	20.73				
10	QPSK	25	0	20.65	20.68	20.68				
10	HQAM	1	0	21.13	20.52	20.76				
10	HQAM	1	25	20.78	20.78	20.77				
10	HQAM	1	49	20.99	20.74	21.05	22	1		
10	HQAM	12	0	19.67	19.60	19.66				
10	HQAM	12	13	19.62	19.62	19.62				
10	HQAM	12	13	19.80	19.79	19.78				
10	HQAM	25	0	19.74	19.60	19.71				
10	HQAM	1	0	19.79	19.62	19.84	21	2		
10	HQAM	1	12	20.15	20.19	20.19				
10	HQAM	1	25	20.15	20.19	20.19				
10	HQAM	12	0	18.61	18.69	18.71				
10	HQAM	12	7	18.64	18.61	18.67				
10	HQAM	12	13	18.68	18.62	18.76	20	3		
10	HQAM	25	0	18.65	18.61	18.62				
10	HQAM	25	0	18.65	18.61	18.62				
10	HQAM	1	0	18.73	18.68	18.39				
10	HQAM	1	12	18.65	18.62	18.65				
10	HQAM	1	24	18.61	18.69	18.44	18	5		
10	HQAM	12	0	18.72	18.72	18.65				
10	HQAM	12	13	18.65	18.62	18.65				
10	HQAM	12	13	18.67	18.79	18.66				
10	HQAM	25	0	18.78	18.62	18.66				
10	HQAM	1	0	21.02	21.02	21.02	20.5	3		
10	HQAM	1	25	21.97	21.76	21.76				
10	HQAM	1	49	21.80	21.75	21.53				
10	HQAM	25	0	20.81	20.64	20.75				
10	HQAM	25	12	20.77	20.62	20.73				
10	QPSK	12	7	20.77	20.62	20.73	22	1		
10	QPSK	12	13	20.76	20.62	20.73				
10	QPSK	25	0	20.65	20.68	20.68				
10	HQAM	1	0	21.13	20.52	20.76				
10	HQAM	1	25	20.78	20.78	20.77				
10	HQAM	1	49	20.99	20.74	21.05	22	1		
10	HQAM	12	0	19.67	19.60	19.66				
10	HQAM	12	13	19.62	19.62	19.62				
10	HQAM	12	13	19.80	19.79	19.78				
10	HQAM	25	0	19.74	19.60	19.71				
10	HQAM	1	0	19.79	19.62	19.84	21	2		
10	HQAM	1	12	20.15	20.19	20.19				
10	HQAM	1	25	20.15	20.19	20.19				
10	HQAM	12	0	18.61	18.69	18.71				
10	HQAM	12	7	18.64	18.61	18.67				
10	HQAM	12	13	18.68	18.62	18.76	20	3		
1										

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
16	QPSK	1	0	21.09	21.09	21.74	23	0		
16	QPSK	1	25	21.84	21.62	21.84				
16	QPSK	1	49	21.60	21.70	21.70				
16	QPSK	25	0	20.72	20.88	20.83				
16	QPSK	25	12	20.85	20.96	20.85	22	1		
16	QPSK	25	25	20.70	20.82	20.74				
16	QPSK	50	0	20.63	20.76	20.75				
16	HQAM	1	0	20.85	20.99	20.85				
16	HQAM	1	25	20.83	21.03	21.21	22	1		
16	HQAM	1	49	21.26	21.18	21.18				
16	HQAM	25	0	19.84	19.73	19.78				
16	HQAM	25	12	19.83	19.74	19.78	21	2		
16	HQAM	25	25	19.84	19.84	19.84				
16	HQAM	50	0	19.67	19.75	19.80				
16	HQAM	1	0	19.80	19.79	19.82	21	2		
16	HQAM	1	25	20.00	20.00	20.00				
16	HQAM	1	49	20.02	20.04	20.00				
16	HQAM	25	0	18.76	18.79	18.81				
16	HQAM	25	12	18.83	18.74	18.85	20	3		
16	HQAM	25	25	18.80	18.79	18.78				
16	HQAM	50	0	18.64	18.71	18.82				
16	HQAM	1	0	18.80	18.76	18.71				
16	HQAM	1	25	18.65	18.84	18.80	18	5		
16	HQAM	1	49	18.62	18.83	18.88				
16	HQAM	25	0	16.72	16.72	16.71				
16	HQAM	25	12	16.69	16.66	16.63	18	5		
16	HQAM	25	25	16.74	16.81	16.86				
16	HQAM	50	0	16.58	16.85	16.85				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.60	21.60	21.63	23	0		
5	QPSK	1	12	21.67	21.67	21.60				
5	QPSK	1	24	21.60	21.62	21.66				
5	QPSK	12	0	20.83	20.83	20.84				
5	QPSK	12	7	20.87	20.80	20.87	22	1		
5	QPSK	12	13	20.84	20.78	20.81				
5	QPSK	25	0	20.54	20.83	20.88				
5	HQAM	1	0	20.85	20.83	20.82				
5	HQAM	1	12	20.70	21.48	21.07	22	1		
5	HQAM	1	24	21.19	20.99	21.04				
5	HQAM	12	0	19.63	19.67	19.66				
5	HQAM	12	7	19.60	19.60	19.70	21	2		
5	HQAM	12	13	19.69	19.76	19.47				
5	HQAM	25	0	19.84	19.80	19.72				
5	HQAM	1	0	19.86	19.80	19.47				
5	HQAM	1	12	19.80	20.00	20.02	21	2		
5	HQAM	1	24	19.88	20.07	20.00				
5	HQAM	12	0	16.60	16.68	16.66				
5	HQAM	12	7	16.58	16.64	16.71	20	3		
5	HQAM	12	13	16.72	16.62	16.61				
5	HQAM	25	0	16.70	16.63	16.70				
5	HQAM	1	0	16.68	16.72	16.78				
5	HQAM	1	12	16.53	16.84	16.53	18	5		
5	HQAM	1	24	16.58	16.76	16.55				
5	HQAM	12	0	16.60	16.62	16.54				
5	HQAM	12	7	16.53	16.75	16.58				
5	HQAM	12	13	16.60	16.67	16.61	18	5		
5	HQAM	25	0	16.52	16.75	16.63				

Band 25_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.40	22.48	22.45	23.5	0		
20	QPSK	1	49	22.34	22.43	22.23				
20	QPSK	1	99	22.28	22.35	22.16				
20	QPSK	50	0	21.49	21.48	21.31				
20	QPSK	50	24	21.50	21.52	21.50	22.5	1		
20	QPSK	100	0	21.48	21.51	21.41				
20	HQAM	1	0	21.26	21.47	21.53				
20	HQAM	1	49	21.61	21.54	21.62	22.5	1		
20	HQAM	1	99	21.51	21.55	21.48				
20	HQAM	50	0	20.25	20.19	20.25				
20	HQAM	50	24	20.29	20.25	20.23	21.5	2		
20	HQAM	50	50	20.23	20.20	20.36				
20	HQAM	100	0	20.24	20.27	20.26				
20	HQAM	1	0	20.46	20.34	20.39				
20	HQAM	1	49	20.19	20.20	20.25	21.5	2		
20	HQAM	1	99	20.05	19.97	19.70				
20	HQAM	50	0	19.29	19.21	19.23				
20	HQAM	50	24	19.30	19.32	19.27				
20	HQAM	50	50	19.25	19.30	19.27	20.5	3		
20	HQAM	100	0	19.24	19.35	19.23				
20	HQAM	1	0	17.09	17.21	17.33				
20	HQAM	1	49	17.00	17.27	17.27	18.5	5		
20	HQAM	1	99	17.08	17.01	17.16				
20	HQAM	25	0	16.84	17.14	17.27				
20	HQAM	25	24	16.97	17.10	17.26	18.5	5		
20	HQAM	25	49	16.98	17.12	17.28				
20	HQAM	100	0	16.97	17.08	17.27				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.00	22.10	22.35				
15	QPSK	1	74	22.21	22.19	22.22	23.5	0		
15	QPSK	1	147	22.08	22.16	22.21				
15	QPSK	36	0	21.37	21.21	21.21				
15	QPSK	36	74	21.37	21.21	21.21	22.5	1		
15	HQAM	1	0	21.41	21.49	21.68				
15	HQAM	1	74	21.48	21.46	21.48	22.5	1		
15	HQAM	1	147	21.26	21.31	21.30				
15	HQAM	36	0	20.20	20.21	20.22				
15	HQAM	36	74	20.35	20.35	20.18	21.5	2		
15	HQAM	36	147	20.34	20.38	20.40				
15	HQAM	75	0	20.24	20.26	20.23				
15	HQAM	75	74	20.41	20.35	20.42				
15	HQAM	1	0	20.22	20.21	20.29	21.5	2		
15	HQAM	1	74	20.39	19.34	19.23				
15	HQAM	36	0	19.25	19.27	19.26	20.5	3		
15	HQAM	36	74	19.30	19.27	19.27				
15	HQAM	36	147	19.32	19.37	19.18				
15	HQAM	75	0	17.09	17.18	17.47	18.5	5		
15	HQAM	75	74	17.05	17.12	17.24				
15	HQAM	1	0	17.18	17.16	17.20				
15	HQAM	1	74	17.04	17.18	17.24	18.5	5		
15	HQAM	1	147	17.05	17.15	17.24				
15	HQAM	36	0	17.25	17.25	17.26				
15	HQAM	36	74	16.94	17.07	17.42				
15	HQAM	75	0	16.94	17.07	17.42				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.00	22.08	22.27	23.5	0		
10	QPSK	1	26	22.11	22.21	22.22				
10	QPSK	1	49	22.08	22.13	22.18				
10	QPSK	25	0	21.28	21.28	21.21				
10	QPSK	25	25	21.21	21.26	21.31	22.5	1		
10	QPSK	50	0	21.14	21.07	21.12				
10	QPSK	50	25	21.37	21.27	21.27	22.5	1		
10	HQAM	1	0	21.41	21.49	21.68				
10	HQAM	1	26	21.58	21.61	21.63	22.5	1		
10	HQAM	1	49	21.46	21.35	21.51				
10	HQAM	1	74	21.53	21.47	21.28				
10	HQAM	25	0	20.39	20.39	20.20	21.5	2		
10	HQAM	25	25	20.32	20.28	20.50				
10	HQAM	50	0	20.22	20.34	20.34				
10	HQAM	50	0	20.65	20.31	20.32				
10	HQAM	50	25	20.20	20.32	20.29	21.5	2		
10	HQAM	100	0	20.19	20.28	20.28				
10	HQAM	25	0	19.42	19.33	19.38				
10	HQAM	25	25	19.36	19.27	19.27	20.5	3		
10	HQAM	50	0	18.96	18.97	18.97				
10	HQAM	50	25	19.04	19.04	19.04				
10	HQAM	50	50	19.30	19.39	19.31				
10	HQAM	100	0	17.31	17.40	17.28				
10	HQAM	1	0	17.04	17.40	17.33	18.5	5		
10	HQAM	1	49	17.13	17.14	17.24				
10	HQAM	1	99	17.25	17.25	17.27				
10	HQAM	25	0	16.96	17.20	17.37	18.5	5		
10	HQAM	25	25	17.21	17.27	17.27				
10	HQAM	25	49	17.25	17.25	17.27				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.00	22.04	22.04				
5	QPSK	1	12	21.94	22.08	22.10	23.5	0		
5	QPSK	1	24	22.02	22.11	22.01				
5	QPSK	1	48	22.00	22.12	22.12				
5	QPSK	12	0	21.11	21.21	21.22	22.5	1		
5	QPSK	12	12	21.01	21.19	21.12				
5	QPSK	12	24	21.14	21.07	21.12				
5	HQAM	1	0	21.25	21.30	21.34				
5	HQAM	1	12	21.34	21.34	21.34	22.5	1		
5	HQAM	1	24	21.28	21.26	21.29				
5	HQAM	12	0	20.23	20.16	20.20				
5	HQAM	12	12	20.16	20.16	20.20	21.5	2		
5	HQAM	12	24	20.35	20.25	20.25				
5	HQAM	25	0	20.19	20.21	20.25				
5	HQAM	25	12	20.30	20.30	20.26	21.5	2		
5	HQAM	1	0	19.31	19.36	19.36				
5	HQAM	1	12	19.33	19.26	19.23				
5	HQAM	1	24	19.32	19.31	19.35				
5	HQAM	12	0	18.96	18.96	18.96	20.5	3		
5	HQAM	12	12	19.23	19.28	19.28				
5	HQAM	12	24	19.16	19.27	19.04				
5	HQAM	25	0	16.95	17.03	17.27	18.5	5		
5	HQAM	25	12	17.07	17.07	17.07				
5	HQAM	25	24	17.02	17.02	17.02				
5	HQAM	12	0	16.93	17.02	17.08	18.5	5		
5	HQAM	12	12	16.93	16.93	16.93				
5	HQAM	12	24	16.81	16.90	16.93				
5	HQAM	25	0	16.96	16.90	16.92				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.83	21.88	21.93				
3	QPSK	1	8	21.88	22.15	22.16	23.5	0		
3	QPSK	1	16	21.88	22.15	22.15				
3	QPSK	1	14	21.93	21.94	22.00				
3	QPSK	8	0	21.17	21.19	21.19	22.5	1		
3	QPSK	8	8	21.19	21.48	21.48				
3	QPSK	8	16	20.99	21.05	21.10				
3	QPSK	15	0	21.07	21.08	21.11				
3	QPSK	15	8	21.18	21.48	21.48	22.5	1		
3	HQAM	1	0	21.48	21.40	21.40				
3	HQAM	1	8	21.22	21.17	21.44				
3	HQAM	8	0	20.26	20.13	20.13	21.5	2		
3	HQAM	8	8	20.22	20.15	20.19				
3	HQAM	8	16	20.26	20.26	20.26				
3	HQAM	15	0	20.07	20.18	20.08				
3	HQAM	1	0	20.39	20.18	20.20	21.5	2		
3	HQAM	1	8	20.39	20.18	20.20				
3	HQAM	1	14	20.32	20.18	20.20				
3	HQAM	1	14	19.92	19.73	19.81				
3	HQAM	8	0	19.09	19.11	19.03				
3	HQAM	8	8	19.19	19.12	19.19	20.5	3		
3	HQAM	8	16	19.13	19.26	19.14				
3	HQAM	15	0	18.16	18.23	18.14				
3	HQAM	15	8	18.08	18.16	18.22				
3	HQAM	15	16	18.08	17.12	17.27	18.5	5		
3	HQAM	8	0	16.78	16.95	17.20				
3	HQAM	8	8	16.86	17.00	17.25				
3	HQAM	8	16	17.11	17.17	17.25				
3	HQAM	15	0	16.85	16.97	17.10				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.28	22.33	22.26	23.5	0		
1.4	QPSK	1	3	22.31	22.33	22.28				
1.4	QPSK	1	6	22.30	22.33	22.25				
1.4	QPSK	3	0	22.27	22.34	22.27				
1.4	QPSK	3	3	22.27	22.33	22.30	22.5	0		
1.4	QPSK	3	6	22.27	22.32	22.28				
1.4	QPSK	6	0	21.32	21.36	21.30	22.5	1		
1.4	HQAM	1	0	21.52	21.75	21.45				
1.4	HQAM	1	3	21.59	21.67	21.71				
1.4	HQAM	1	6	21.58	21.69	21.50	22.5	1		
1.4	HQAM	3	0	21.41	21.47	21.44				
1.4	HQAM	3	3	21.48	21.58	21.48				
1.4	HQAM	3	6	21.43	21.51	21.42	21.5	2		
1.4	HQAM	6	0	20.48	20.57	20.58				
1.4	HQAM	1	0	20.42	20.61	20.52				
1.4	HQAM	1	3	20.44	20.54	20.52				

Band 66_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power High Ch/Freq	Power High Ch/Freq	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.05	22.42	22.28	23.5	0		
20	QPSK	1	49	22.23	22.34	22.26	23.5	0		
20	QPSK	1	99	22.33	22.29	22.31	23.5	0		
20	QPSK	50	0	21.39	21.39	21.32	22.5	1		
20	QPSK	50	24	21.39	21.48	21.31	22.5	1		
20	QPSK	50	50	21.30	21.45	21.33	22.5	1		
20	QPSK	100	0	21.41	21.42	21.27	22.5	1		
20	16QAM	1	0	21.35	21.48	21.28	22.5	1		
20	16QAM	1	49	21.48	21.48	21.04	22.5	1		
20	16QAM	1	99	21.35	22.02	21.26	22.5	1		
20	16QAM	50	0	20.24	20.28	20.13	21.5	2		
20	16QAM	50	24	20.23	20.28	20.27	21.5	2		
20	16QAM	50	50	20.26	20.18	20.23	21.5	2		
20	16QAM	100	0	20.26	20.18	20.23	21.5	2		
20	16QAM	1	0	21.15	21.16	21.09	21.5	2		
20	16QAM	1	49	21.15	21.16	21.09	21.5	2		
20	16QAM	1	99	21.29	21.21	21.05	21.5	2		
20	16QAM	50	0	20.24	20.14	20.29	20.5	3		
20	16QAM	50	24	20.24	20.14	20.29	20.5	3		
20	16QAM	50	50	20.25	20.12	20.30	20.5	3		
20	16QAM	100	0	20.23	20.15	20.34	20.5	3		
20	25QAM	1	0	17.11	16.99	17.06	18.5	5		
20	25QAM	1	49	16.88	17.04	17.09	18.5	5		
20	25QAM	1	99	17.09	17.14	17.07	18.5	5		
20	25QAM	50	0	17.11	17.13	17.06	18.5	5		
20	25QAM	50	24	16.91	17.02	17.13	18.5	5		
20	25QAM	50	50	17.09	17.08	17.10	18.5	5		
20	25QAM	100	0	17.16	17.04	17.15	18.5	5		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.05	22.18	22.08	23.5	0		
15	QPSK	1	37	22.02	22.11	22.23	23.5	0		
15	QPSK	1	74	22.14	22.10	22.14	23.5	0		
15	QPSK	36	0	21.29	21.28	21.29	22.5	1		
15	QPSK	36	20	21.21	21.16	21.34	22.5	1		
15	QPSK	36	40	21.29	21.24	21.40	22.5	1		
15	QPSK	75	0	21.23	21.23	21.30	22.5	1		
15	16QAM	1	0	21.48	21.80	21.37	22.5	1		
15	16QAM	1	37	21.73	21.79	21.79	22.5	1		
15	16QAM	1	74	21.47	22.10	21.38	22.5	1		
15	16QAM	36	0	20.39	20.22	20.25	21.5	2		
15	16QAM	36	20	20.32	20.27	20.25	21.5	2		
15	16QAM	36	39	20.39	20.30	20.29	21.5	2		
15	16QAM	75	0	20.28	20.21	20.26	21.5	2		
15	16QAM	75	0	21.15	21.25	21.30	21.5	2		
15	16QAM	1	37	21.23	21.32	21.30	21.5	2		
15	16QAM	1	74	21.48	21.48	21.48	21.5	2		
15	16QAM	36	0	20.34	20.14	20.26	20.5	3		
15	16QAM	36	20	20.35	20.17	20.33	20.5	3		
15	16QAM	36	39	20.34	20.14	20.42	20.5	3		
15	16QAM	75	0	20.22	20.14	20.42	20.5	3		
15	25QAM	1	0	17.07	17.04	17.09	18.5	5		
15	25QAM	1	49	17.04	17.04	17.11	18.5	5		
15	25QAM	1	74	17.21	17.20	17.09	18.5	5		
15	25QAM	36	0	17.23	17.24	17.03	18.5	5		
15	25QAM	36	20	17.00	17.08	17.24	18.5	5		
15	25QAM	36	39	17.00	17.07	17.11	18.5	5		
15	25QAM	75	0	17.17	17.17	17.22	18.5	5		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.05	22.10	22.14	23.5	0		
10	QPSK	1	20	22.16	22.28	22.20	23.5	0		
10	QPSK	1	49	22.08	22.03	21.97	23.5	0		
10	QPSK	25	0	21.27	21.30	21.29	22.5	1		
10	QPSK	25	12	21.29	21.24	21.40	22.5	1		
10	QPSK	25	25	21.17	21.23	21.23	22.5	1		
10	QPSK	50	0	21.16	21.21	21.21	22.5	1		
10	16QAM	1	0	21.40	21.81	21.36	22.5	1		
10	16QAM	1	25	21.83	21.71	21.61	22.5	1		
10	16QAM	25	0	20.36	20.12	20.23	21.5	2		
10	16QAM	25	12	20.27	20.37	20.35	21.5	2		
10	16QAM	25	25	20.29	20.24	20.21	21.5	2		
10	16QAM	50	0	20.41	20.22	20.20	21.5	2		
10	16QAM	1	0	21.23	21.25	21.23	21.5	2		
10	16QAM	1	25	21.13	21.30	21.29	21.5	2		
10	16QAM	1	49	21.35	21.44	21.37	21.5	2		
10	16QAM	25	0	20.31	20.19	20.22	20.5	3		
10	16QAM	25	12	20.29	20.28	20.47	20.5	3		
10	16QAM	25	25	20.33	20.10	20.30	20.5	3		
10	16QAM	50	0	20.36	20.10	20.33	20.5	3		
10	25QAM	1	0	17.06	16.98	16.98	18.5	5		
10	25QAM	1	25	16.94	17.14	17.14	18.5	5		
10	25QAM	1	49	17.02	17.02	17.11	18.5	5		
10	25QAM	25	0	17.19	17.21	17.07	18.5	5		
10	25QAM	25	12	17.00	17.06	17.18	18.5	5		
10	25QAM	25	25	17.09	17.21	17.09	18.5	5		
10	25QAM	50	0	17.26	17.04	17.19	18.5	5		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.08	22.20	22.15	23.5	0		
5	QPSK	1	12	22.12	22.22	22.22	23.5	0		
5	QPSK	1	24	22.15	22.15	22.15	23.5	0		
5	QPSK	12	0	21.14	21.25	21.27	22.5	1		
5	QPSK	12	7	21.19	21.19	21.30	22.5	1		
5	QPSK	12	14	21.04	21.30	21.29	22.5	1		
5	QPSK	25	0	21.11	21.10	21.23	22.5	1		
5	16QAM	1	0	21.36	21.81	21.32	22.5	1		
5	16QAM	1	12	21.68	21.74	21.51	22.5	1		
5	16QAM	1	24	21.37	22.07	21.22	22.5	1		
5	16QAM	12	0	20.32	20.18	20.32	21.5	2		
5	16QAM	12	7	20.32	20.28	20.42	21.5	2		
5	16QAM	12	14	20.31	20.27	20.18	21.5	2		
5	16QAM	1	0	21.28	21.27	21.39	21.5	2		
5	16QAM	1	12	21.28	21.33	21.08	21.5	2		
5	16QAM	1	24	21.45	21.40	21.35	21.5	2		
5	16QAM	12	0	20.27	20.28	20.23	20.5	3		
5	16QAM	12	7	20.22	20.20	20.42	20.5	3		
5	16QAM	12	14	20.36	20.24	20.32	20.5	3		
5	16QAM	25	0	20.29	20.14	20.30	20.5	3		
5	25QAM	1	0	17.15	17.05	17.15	18.5	5		
5	25QAM	1	12	17.05	17.05	17.15	18.5	5		
5	25QAM	1	24	17.08	17.21	17.21	18.5	5		
5	25QAM	12	0	17.06	17.03	17.11	18.5	5		
5	25QAM	12	7	17.01	17.13	17.27	18.5	5		
5	25QAM	12	14	17.16	17.04	17.17	18.5	5		
5	25QAM	25	0	17.27	17.00	17.20	18.5	5		
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.04	22.09	22.05	23.5	0		
3	QPSK	1	14	22.03	22.08	22.10	23.5	0		
3	QPSK	8	0	20.99	20.94	21.13	22.5	1		
3	QPSK	8	7	20.94	21.02	21.23	22.5	1		
3	QPSK	8	14	21.02	21.02	21.25	22.5	1		
3	16QAM	1	0	21.49	21.62	21.21	22.5	1		
3	16QAM	1	14	21.31	21.96	21.06	22.5	1		
3	16QAM	8	0	20.92	20.92	20.98	21.5	2		
3	16QAM	8	7	20.92	20.92	20.98	21.5	2		
3	16QAM	8	14	20.95	20.95	20.98	21.5	2		
3	16QAM	1	0	21.26	21.26	21.31	21.5	2		
3	16QAM	1	14	21.21	21.32	21.07	21.5	2		
3	16QAM	8	0	20.97	20.91	20.93	20.5	3		
3	16QAM	8	7	20.04	20.12	20.30	20.5	3		
3	16QAM	8	14	20.07	20.08	20.29	20.5	3		
3	16QAM	1	0	20.96	20.02	20.34	20.5	3		
3	16QAM	1	14	20.04	20.09	20.35	20.5	3		
3	16QAM	8	0	16.88	17.02	17.11	18.5	5		
3	16QAM	8	7	16.88	17.02	17.11	18.5	5		
3	16QAM	8	14	16.88	17.02	17.11	18.5	5		
3	25QAM	16	0	17.06	17.06	17.12	18.5	5		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.23	22.27	22.25	23.5	0		
1.4	QPSK	1	3	22.28	22.27	22.28	23.5	0		
1.4	QPSK	1	6	22.35	22.25	22.30	23.5	0		
1.4	QPSK	3	0	22.26	22.25	22.27	22.5	1		
1.4	QPSK	3	3	22.26	22.28	22.27	22.5	1		
1.4	QPSK	3	6	22.29	22.25	22.27	22.5	1		
1.4	QPSK	6	0	21.31	21.34	21.29	22.5	1		
1.4	QPSK	6	3	21.67	21.41	21.25	22.5	1		
1.4	QPSK	6	6	21.52	21.62	21.29	22.5	1		
1.4	QPSK	1	0	21.55	21.69	21.36	22.5	1		
1.4	16QAM	3	0	21.36	21.38	21.26	21.5	2		
1.4	16QAM	3	3	21.43	21.42	21.36	21.5	2		
1.4	16QAM	3</								

Band 38_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (s)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.29	22.34	22.37				
20	QPSK	1	49	22.28	22.22	22.82	23.5	0		
20	QPSK	1	99	22.02	22.05	22.02				
20	QPSK	50	0	21.36	21.18	21.28				
20	QPSK	24	0	21.40	21.30	21.21	22.5	1		
20	QPSK	100	0	21.34	21.21	21.28				
20	16QAM	1	0	21.24	21.18	20.95				
20	16QAM	1	49	21.28	21.04	20.75	22.5	1		
20	16QAM	1	99	21.28	21.04	20.75				
20	16QAM	50	0	20.24	20.12	20.20				
20	16QAM	50	24	20.34	20.21	20.16	21.5	2		
20	16QAM	100	0	20.18	20.26	20.09				
20	64QAM	1	0	20.29	20.21	19.91				
20	64QAM	1	49	20.33	20.02	20.09	21.5	2		
20	64QAM	1	99	20.07	19.91	19.75				
20	64QAM	50	0	19.31	19.15	19.18				
20	64QAM	50	24	19.36	19.25	19.17	20.5	3		
20	64QAM	50	50	19.31	19.05	19.17				
20	64QAM	100	0	19.38	19.08	19.23				
20	256QAM	1	0	17.37	17.10	17.28				
20	256QAM	1	49	17.35	17.30	17.02	18.5	5		
20	256QAM	1	99	17.25	17.10	17.19				
20	256QAM	50	0	17.35	17.12	17.15				
20	256QAM	50	24	17.37	17.27	17.17	18.5	5		
20	256QAM	50	50	17.37	17.19	17.25				
20	256QAM	100	0	17.34	17.14	17.21				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.12	22.12	22.00				
15	QPSK	1	37	22.28	22.07	21.72	23.5	0		
15	QPSK	1	74	21.93	21.97	21.89				
15	QPSK	36	0	21.39	21.12	21.15				
15	QPSK	36	20	21.04	21.06	21.17	22.5	1		
15	QPSK	36	39	21.03	21.03	21.39				
15	QPSK	75	0	21.23	21.04	21.15				
15	16QAM	1	0	21.11	20.99	20.78				
15	16QAM	1	37	21.43	20.92	20.87	22.5	1		
15	16QAM	1	74	21.28	20.92	20.87				
15	16QAM	36	0	20.18	20.03	20.01				
15	16QAM	36	20	19.19	19.00	20.17	21.5	2		
15	16QAM	36	39	20.03	20.14	20.03				
15	16QAM	75	0	20.09	20.08	19.90				
15	16QAM	75	0	20.12	20.01	19.81				
15	64QAM	1	37	20.17	20.42	20.03	21.5	2		
15	64QAM	1	74	20.08	20.06	19.99				
15	64QAM	36	0	19.20	19.08	19.11				
15	64QAM	36	20	19.28	19.07	19.09	20.5	3		
15	64QAM	36	39	19.03	19.00	19.15				
15	64QAM	75	0	19.33	19.02	19.15				
15	256QAM	1	0	17.37	17.07	17.15	18.5	5		
15	256QAM	1	37	17.35	17.05	16.95				
15	256QAM	1	74	17.04	17.06	17.06				
15	256QAM	36	0	17.34	17.01	17.04	18.5	5		
15	256QAM	36	20	17.30	17.19	16.97				
15	256QAM	36	39	17.37	17.06	17.08				
15	256QAM	75	0	17.32	17.04	17.11				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.10	22.10	22.13				
5	QPSK	1	12	22.28	22.17	21.72	23.5	0		
5	QPSK	1	24	21.84	22.05	21.98				
5	QPSK	12	0	21.20	21.13	21.27				
5	QPSK	12	7	20.99	21.04	21.20	22.5	1		
5	QPSK	12	13	21.14	21.04	21.30				
5	QPSK	25	0	21.23	21.13	21.25				
5	16QAM	1	0	21.08	21.11	20.84				
5	16QAM	1	12	21.41	21.04	20.86	22.5	1		
5	16QAM	1	24	21.12	20.87	20.74				
5	16QAM	12	7	20.11	19.98	20.12	21.5	2		
5	16QAM	12	13	20.38	20.07	20.00				
5	16QAM	25	0	20.17	20.14	19.71				
5	64QAM	1	12	20.31	20.43	19.93	21.5	2		
5	64QAM	1	24	20.06	19.81	19.71				
5	64QAM	12	0	19.19	19.89	19.05				
5	64QAM	12	7	19.16	19.15	19.12	20.5	3		
5	64QAM	12	13	19.22	19.06	19.11				
5	64QAM	25	0	19.18	19.07	19.19				
5	256QAM	1	12	17.12	17.12	16.93	18.5	5		
5	256QAM	1	24	17.34	17.04	16.99				
5	256QAM	12	7	17.17	17.27	17.08	18.5	5		
5	256QAM	12	13	17.12	16.91	17.05				
5	256QAM	25	0	17.28	17.04	17.00				

Band 41_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (dBm)	Power Mid Ch / Freq (dBm)	Power High Ch / Freq (dBm)	High Ch / Freq (MHz)	Power High Ch / Freq (dBm)	Turn-up time (s)	MPE (dB)
Channel										
Frequency (MHz)				39790	40185	40600	41055	41495		
20	QPSK	1	0	22.29	22.40	22.35				
20	QPSK	1	49	22.24	22.22	22.07	22.61	21.98	23.5	0
20	QPSK	1	99	22.26	22.16	22.28	21.96	22.05		
20	QPSK	50	0	21.48	21.49	21.28				
20	QPSK	50	24	21.39	21.36	21.28	21.27	21.10	22.5	1
20	QPSK	50	50	21.39	21.45	21.21				
20	QPSK	100	0	21.38	21.41	21.28				
20	16QAM	1	0	21.30	21.41	21.35				
20	16QAM	1	49	21.42	21.25	21.45	21.31	20.64	22.5	1
20	16QAM	1	99	21.18	21.28	21.13	20.94	20.12		
20	16QAM	50	0	20.49	20.41	20.20				
20	16QAM	50	24	20.32	20.37	20.03	19.89	20.12	21.5	2
20	16QAM	100	0	20.27	20.35	20.23				
20	16QAM	100	0	20.49	20.35	20.18				
20	64QAM	1	0	20.24	20.62	19.77				
20	64QAM	1	49	20.23	20.22	20.15	20.00	20.23	21.5	2
20	64QAM	1	99	20.03	20.22	20.15				
20	64QAM	50	0	19.47	19.50	19.09				
20	64QAM	50	24	19.32	19.50	19.15	19.09	19.15	20.5	3
20	64QAM	50	50	19.46	19.37	19.16				
20	64QAM	100	0	19.44	19.29	19.08				
20	256QAM	1	0	17.41	17.22	17.23	17.05	16.91	18.5	5
20	256QAM	1	49	17.42	17.22	17.23	17.07	16.91		
20	256QAM	1	99	17.34	17.19	17.19	17.00	17.04		
20	256QAM	50	0	17.35	17.27	17.17	17.03	17.08		
20	256QAM	50	24	17.33	17.15	17.28	17.07	16.91	18.5	5
20	256QAM	50	50	17.36	17.27	17.16				
20	256QAM	100	0	17.37	17.27	17.33	17.04	17.07	Turn-up time (s)	MPE (dB)
Frequency (MHz)				24615	24643	24693	24937	24952		
15	QPSK	1	0	22.31	22.06	22.12	21.98	21.98	23.5	0
15	QPSK	1	37	22.33	22.08	22.01	21.98	21.98		
15	QPSK	1	74	22.24	22.09	22.21	21.83	21.83		
15	QPSK	36	0	21.34	21.39	21.26	21.19	21.19		
15	QPSK	36	20	21.37	21.39	21.02	21.09	21.10	22.5	1
15	QPSK	36	39	21.32	21.36	21.15	21.10	21.10		
15	QPSK	75	0	21.29	21.41	21.22	21.12	20.99		
15	16QAM	1	0	21.19	21.28	20.99	20.83	20.99	22.5	1
15	16QAM	1	37	21.16	21.07	20.98	20.82	20.87		
15	16QAM	1	74	21.19	21.16	20.97	20.88	21.13		
15	16QAM	36	0	20.29	20.35	20.02	19.89	19.89	21.5	2
15	16QAM	36	20	20.35	20.32	19.87	19.12	20.17		
15	16QAM	36	39	20.19	20.18	20.08	19.94	20.00		
15	16QAM	75	0	20.39	20.19	19.99	19.89	19.99		
15	16QAM	75	0	20.19	20.32	19.99				
15	64QAM	1	37	20.58	20.11	19.87	19.14	19.92	21.5	2
15	64QAM	1	74	20.42	20.21	20.15	19.95	20.04		
15	64QAM	36	0	19.33	19.33	19.02	18.93	19.13	20.5	3
15	64QAM	36	20	19.18	19.36	19.08	18.93	19.08		
15	64QAM	36	39	19.26	19.35	19.02	18.87	19.05		
15	64QAM	75	0	19.29	19.13	19.00	18.96	19.00	18.5	5
15	256QAM	1	0	17.24	17.18	17.15	17.00	16.91		
15	256QAM	1	37	17.31	17.05	16.95	16.86	16.86		
15	256QAM	1	74	17.20	17.11	17.15	17.00	16.86		
15	256QAM	36	0	17.23	17.15	17.09	16.91	16.86	18.5	5
15	256QAM	36	20	17.21	17.07	17.28	17.01	16.95		
15	256QAM	36	39	17.16	17.12	17.02	16.94	16.91		
15	256QAM	75	0	17.27	17.14	17.23	16.95	16.91	Turn-up time (s)	MPE (dB)
Frequency (MHz)				39790	40160	40600	41055	41545		
20	QPSK	1	0	22.29	22.40	22.35				
20	QPSK	1	26	22.23	22.20	22.04	21.99	21.94	23.5	0
20	QPSK	1	49	22.16	22.20	22.23	21.88	21.83		
20	QPSK	1	74	22.14	22.15	22.14	21.88	21.83		
20	QPSK	25	12	21.30	21.34	21.11	21.06	21.02	22.5	1
20	QPSK	25	25	21.34	21.42	21.07	21.10	21.11		
20	QPSK	25	37	21.33	21.25	21.14	21.04	21.05		
20	16QAM	1	0	21.14	21.23	21.05	21.04	21.00	21.5	2
20	16QAM	1	49	21.15	21.11	21.02	20.97	20.98		
20	16QAM	1	99	21.14	21.07	21.01	20.83	21.01		
20	16QAM	25	0	20.36	20.39	20.05	19.93	20.05	21.5	2
20	16QAM	25	12	20.37	20.33	19.88	19.86	19.93		
20	16QAM	25	25	20.12	20.30	20.23	19.86	20.15		
20	16QAM	50	0	20.29	20.25	20.01	19.18	20.28		
20	16QAM	50	12	20.28	20.18	20.08	19.18	20.15	21.5	2
20	16QAM	50	25	20.24	20.17	20.21	19.84	20.18		
20	16QAM	1	49	20.36	20.08	20.00	19.93	20.22	21.5	2
20	16QAM	1	99	20.36	20.08	20.00	19.93	20.22		
20	16QAM	25	12	19.19	19.49	19.12	18.93	19.08	18.5	5
20	16QAM	25	25	19.36	19.30	19.13	19.94	19.08		
20	16QAM	50	0	19.26	19.18	19.08	18.93	19.08		
20	16QAM	50	12	19.22	17.12	17.05	18.98	19.00		
20	16QAM	50	25	19.36	19.30	19.13	19.94	19.08		
20	64QAM	1	49	17.31	17.06	17.17	17.07	16.91	18.5	5
20	256QAM	25	0	17.31	17.22	17.11	16.84	17.07		
20	256QAM	25	12	17.30	17.18	17.08	16.84	17.07		
20	256QAM	25	25	17.20	17.12	17.15	16.88	17.05	18.5	5
20	256QAM	50	0	17.34	17.24	17.27	17.00	17.05		
Frequency (MHz)				24615	24643	24693	24937	24952	Turn-up time (s)	MPE (dB)
5	QPSK	1	0	22.26	22.04	21.99	22.03	21.98	23.5	0
5	QPSK	1	14	22.16	22.06	22.02	21.91	21.96		
5	QPSK	1	28	22.08	22.08	22.08	21.88	21.91		
5	QPSK	12	0	21.41	21.44	21.08	21.18	21.08		
5	QPSK	12	14	21.42	21.32	21.14	21.04	21.05	22.5	1
5	QPSK	12	18	21.32	21.38	21.12	21.04	21.01		
5	QPSK	25	0	21.34	21.36	21.22	21.18	21.08		
5	QPSK	25	14	21.33	21.32	21.02	20.93	21.07	21.5	2
5	QPSK	1	12	21.33	21.22	21.28	20.90	20.94		
5	16QAM	1	24	21.02	21.13	20.88	20.92	21.20	22.5	1
5	16QAM	1	38	21.03	21.10	20.83	20.92	21.19		
5	16QAM	12	7	20.26	20.18	19.95	20.00	20.20	21.5	2
5	16QAM	12	15	20.33	20.23	20.12	19.93	20.17		
5	16QAM	25	0	20.33	20.28	19.93	19.98	20.13		
5	16QAM	1	0	20.24	20.49	19.68	19.02	19.93	21.5	2
5	16QAM	1	18	20.26	20.18	19.95	19.98	20.13		
5	64QAM	1	24	20.44	20.05	19.97	19.94	19.94	18.5	5
5	64QAM	12	0	19.42	19.44	19.05	19.91	19.05		
5	64QAM	12	14	19.43	19.31	19.05	19.91	19.05		
5	64QAM	12	18	19.42	19.37	19.04	19.90	19.05		
5	64QAM	25	0	19.39	19.25	18.89	19.90	19.05		
5	64QAM	25	12	19.37	17.12	17.20	18.93	19.05		
5	256QAM	1	12	17.29	17.03	17.20	17.06	16.95	18.5	5
5	256QAM	1	25	17.30	17.06	17.12	16.98	17.08		
5	256QAM	1	12	17.12	17.13	17.08	17.02	17.05		
5	256QAM	12	7	17.13	17.10	17.27	17.02	17.00	18.5	5
5	256QAM	12	15	17.07	17.12	17.15	16.91	16.98		
5	256QAM	25	0	17.08	17.23	17.27	16.91	16.98		

Part 96_Band 42_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.00	21.01	21.09			23	0
20	QPSK	1	49	21.05	21.00	21.50				
20	QPSK	1	99	21.38	21.37	21.30			22	1
20	QPSK	50	0	20.48	20.50	20.52				
20	QPSK	50	24	20.55	20.52	20.50			21	2
20	QPSK	100	0	20.48	20.50	20.53				
20	16QAM	1	0	20.68	20.70	20.71			22	1
20	16QAM	1	49	20.74	20.84	20.78				
20	16QAM	1	99	20.70	20.84	20.47			21	2
20	16QAM	50	0	19.54	19.56	19.53				
20	16QAM	50	24	19.51	19.52	19.51			21	2
20	16QAM	50	50	19.54	19.54	19.55				
20	16QAM	100	0	19.55	19.55	19.56			21	2
20	16QAM	1	0	19.64	19.68	19.57				
20	16QAM	1	49	19.72	19.63	19.60			20	3
20	16QAM	1	99	19.58	19.52	19.52				
20	16QAM	50	0	18.50	18.53	18.51			20	3
20	16QAM	50	24	18.53	18.56	18.53				
20	16QAM	50	50	18.54	18.53	18.51			18	5
20	16QAM	100	0	18.46	18.58	18.55				
20	256QAM	1	0	18.55	18.41	18.44			18	5
20	256QAM	1	49	18.63	18.42	18.47				
20	256QAM	1	99	18.52	18.48	18.42			18	5
20	256QAM	50	0	18.37	18.41	18.45				
20	256QAM	50	24	18.51	18.36	18.53			18	5
20	256QAM	50	50	18.50	18.39	18.39				
20	256QAM	100	0	18.43	18.56	18.52			Turn-up Int. (dB)	MPE (dB)
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.37	21.34	21.32			23	0
15	QPSK	1	37	21.44	21.48	21.40				
15	QPSK	1	74	21.20	21.32	21.15			22	1
15	QPSK	38	0	20.28	20.44	20.42				
15	QPSK	38	20	20.46	20.42	20.38			22	1
15	QPSK	75	0	20.33	20.55	20.38				
15	16QAM	1	0	20.58	20.62	20.70			22	1
15	16QAM	1	37	20.74	20.71	20.68				
15	16QAM	1	74	20.70	20.60	20.70			21	2
15	16QAM	38	0	19.41	19.44	19.53				
15	16QAM	38	20	19.38	19.45	19.58			21	2
15	16QAM	38	39	19.43	19.40	19.41				
15	16QAM	75	0	19.40	19.38	19.37			21	2
15	16QAM	1	0	19.60	19.58	19.48				
15	16QAM	1	37	19.64	19.49	19.43			20	3
15	16QAM	36	0	18.35	18.50	18.46				
15	16QAM	38	20	18.42	18.53	18.42			18	5
15	16QAM	36	39	18.36	18.53	18.53				
15	256QAM	1	0	18.45	18.47	18.40			18	5
15	256QAM	1	0	18.45	18.34	18.25				
15	256QAM	1	37	18.53	18.28	18.45			18	5
15	256QAM	1	74	18.34	18.45	18.28				
15	256QAM	38	0	16.17	16.38	16.21			18	5
15	256QAM	38	20	16.51	16.23	16.39				
15	256QAM	38	39	16.58	16.38	16.39			Turn-up Int. (dB)	MPE (dB)
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.48	21.35	21.46			23	0
10	QPSK	1	49	21.27	21.25	21.19				
10	QPSK	25	0	20.41	20.47	20.25			22	1
10	QPSK	25	12	20.43	20.47	20.36				
10	QPSK	25	25	20.38	20.38	20.43			22	1
10	QPSK	50	0	20.38	20.36	20.34				
10	16QAM	1	0	20.67	20.50	20.51			22	1
10	16QAM	1	25	20.56	20.64	20.63				
10	16QAM	25	0	19.39	19.53	19.37			21	2
10	16QAM	25	12	19.35	19.51	19.50				
10	16QAM	50	0	19.50	19.43	19.42			21	2
10	16QAM	1	0	18.54	18.51	19.50				
10	16QAM	1	25	19.58	19.48	19.40			20	3
10	16QAM	1	49	19.47	19.34	19.42				
10	16QAM	25	0	18.49	18.45	18.32			18	5
10	16QAM	25	12	18.45	18.44	18.40				
10	16QAM	25	25	18.46	18.40	18.40			18	5
10	16QAM	50	0	18.36	18.40	18.50				
10	256QAM	1	0	18.35	18.31	18.44			18	5
10	256QAM	1	25	18.59	18.41	18.38				
10	256QAM	25	0	18.33	18.33	18.44			18	5
10	256QAM	25	12	18.40	18.28	18.38				
10	256QAM	25	25	18.54	18.25	18.41			Turn-up Int. (dB)	MPE (dB)
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.39	21.55	20.99			23	0
5	QPSK	1	12	21.35	21.38	21.34				
5	QPSK	1	24	21.30	21.27	21.17			22	1
5	QPSK	12	0	20.38	20.37	20.37				
5	QPSK	12	7	20.43	20.44	20.35			22	1
5	QPSK	12	13	20.54	20.38	20.27				
5	QPSK	25	0	20.30	20.38	20.35			22	1
5	QPSK	1	0	20.53	20.59	20.69				
5	16QAM	1	12	20.57	20.77	20.55			21	2
5	16QAM	1	24	20.61	20.64	20.39				
5	16QAM	12	0	19.36	19.38	19.58			21	2
5	16QAM	12	7	19.34	19.60	19.55				
5	16QAM	12	13	19.45	19.42	19.48			21	2
5	16QAM	25	0	19.30	19.55	19.40				
5	16QAM	1	0	19.45	19.68	19.37			20	3
5	16QAM	1	12	18.64	19.49	19.47				
5	16QAM	1	24	19.54	19.31	19.34			20	3
5	16QAM	12	0	18.45	18.52	18.32				
5	16QAM	12	7	18.43	18.62	18.55			18	5
5	16QAM	12	13	18.38	18.48	18.41				
5	16QAM	25	0	18.40	18.56	18.49			18	5
5	256QAM	1	0	18.40	18.22	18.39				
5	256QAM	1	49	18.57	18.22	18.39			18	5
5	256QAM	1	99	18.50	18.22	18.39				
5	256QAM	1	24	18.53	18.41	18.45			18	5
5	256QAM	12	0	18.34	18.34	18.34				
5	256QAM	12	7	18.34	18.30	18.38			18	5
5	256QAM	12	13	18.52	18.29	18.43				
5	256QAM	25	0	18.34	18.42	18.47			Turn-up Int. (dB)	MPE (dB)
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.44	21.74	21.34			23	0
5	QPSK	1	12	21.28	21.50	21.39				
5	QPSK	1	24	21.30	21.27	21.17			22	1
5	QPSK	12	0	20.50	20.62	20.37				
5	QPSK	12	7	20.49	20.50	20.39			22	1
5	QPSK	12	13	20.36	20.45	20.35				
5	QPSK	25	0	20.31	20.53	20.41			22	1
5	16QAM	1	0	20.24	20.51	20.60				
5	16QAM	1	12	20.38	20.60	20.40			21	2
5	16QAM	1	24	20.07	20.06	20.12				
5	16QAM	12	0	19.08	19.32	19.50				

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)	MPR (dB)
Channel				1850	1880	1900	23.5	0.0
Frequency (MHz)				372000	376000	380000		
20	Pl/2 BPSK	1	1	22.08	22.25	22.05	23.5	0.5
20	Pl/2 BPSK	1	53	22.20	22.38	22.11		
20	Pl/2 BPSK	1	104	22.18	22.25	22.14		
20	Pl/2 BPSK	50	0	21.54	21.66	21.57	23.0	0.5
20	Pl/2 BPSK	50	28	22.06	22.20	22.16	23.5	0.0
20	Pl/2 BPSK	50	56	22.16	22.21	22.09	23.0	0.5
20	Pl/2 BPSK	100	0	21.61	21.71	21.64	23.5	0.0
20	QPSK	1	1	22.31	22.30	22.34		
20	QPSK	1	53	22.12	22.21	22.15		
20	QPSK	1	104	22.20	22.29	22.22	22.5	1.0
20	QPSK	50	0	21.06	21.18	21.10		
20	QPSK	50	28	22.11	22.20	22.15		
20	QPSK	50	56	22.10	22.16	22.14	22.5	1.0
20	QPSK	100	0	21.18	21.24	21.14	22.5	1.0
20	16QAM	1	1	21.32	21.36	21.27		
20	64QAM	1	1	19.91	19.96	19.86		
20	256QAM	1	1	17.66	17.72	17.71	19.0	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	23.5	0.0
15	QPSK	1	1	22.18	22.25	22.22		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	23.5	0.0
10	QPSK	1	1	22.15	22.24	22.19		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	23.5	0.0
5	QPSK	1	1	22.09	22.21	22.09		

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)	MPR (dB)
Channel				834	836.5	839	23.5	0.0
Frequency (MHz)				166800	167300	167800		
20	Pl/2 BPSK	1	1	22.58	22.60	22.48	23.5	0.5
20	Pl/2 BPSK	1	53	22.55	22.58	22.43		
20	Pl/2 BPSK	1	104	22.55	22.62	22.56		
20	Pl/2 BPSK	50	0	22.09	22.03	21.99	23.0	0.5
20	Pl/2 BPSK	50	28	22.43	22.40	22.43	23.5	0.0
20	Pl/2 BPSK	50	56	22.32	22.34	22.30	23.0	0.5
20	Pl/2 BPSK	100	0	21.97	21.96	21.92	23.5	0.0
20	QPSK	1	1	22.67	22.65	22.61		
20	QPSK	1	53	22.58	22.59	22.52		
20	QPSK	1	104	22.61	22.63	22.56	22.5	1.0
20	QPSK	50	0	21.31	21.34	21.36		
20	QPSK	50	28	22.25	22.18	22.21		
20	QPSK	50	56	22.17	22.12	22.13	22.5	1.0
20	QPSK	100	0	21.32	21.26	21.22	22.5	1.0
20	16QAM	1	1	21.73	21.74	21.75		
20	64QAM	1	1	20.49	20.42	20.39		
20	256QAM	1	1	18.25	18.20	18.16	19.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	23.5	0.0
15	QPSK	1	1	22.60	22.51	22.55		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	23.5	0.0
10	QPSK	1	1	22.59	22.57	22.50		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	23.5	0.0
5	QPSK	1	1	22.58	22.53	22.49		

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)	MPR (dB)
Channel				2510	2535	2560	23.5	0.0
Frequency (MHz)				502000	507000	512000		
20	Pl/2 BPSK	1	1	22.17	22.24	22.12	23.5	0.5
20	Pl/2 BPSK	1	53	22.08	22.19	22.07		
20	Pl/2 BPSK	1	104	21.99	22.04	21.96		
20	Pl/2 BPSK	50	0	22.17	22.28	22.23	23.0	0.5
20	Pl/2 BPSK	50	28	21.99	22.02	22.01	23.5	0.0
20	Pl/2 BPSK	50	56	21.53	21.54	21.53	23.0	0.5
20	Pl/2 BPSK	100	0	21.47	21.52	21.47	23.5	0.0
20	QPSK	1	1	22.21	22.30	22.23		
20	QPSK	1	53	22.16	22.21	22.16		
20	QPSK	1	104	22.02	22.12	22.07	22.5	1.0
20	QPSK	50	0	22.07	22.09	22.03		
20	QPSK	50	28	22.11	22.18	22.11		
20	QPSK	50	56	21.11	21.20	21.11	22.5	1.0
20	QPSK	100	0	21.08	21.14	21.11	22.5	1.0
20	16QAM	1	1	21.21	21.26	21.27		
20	64QAM	1	1	19.73	19.83	19.74		
20	256QAM	1	1	17.58	17.63	17.54	19.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	23.5	0.0
15	QPSK	1	1	22.22	22.17	22.18		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	23.5	0.0
10	QPSK	1	1	22.12	22.18	22.18		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	23.5	0.0
5	QPSK	1	1	22.20	22.15	22.15		

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)	MPR (dB)
Channel				141300	141500	141700	23.5	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.02	22.07	21.99	23.5	0.0
15	PI/2 BPSK	1	40	22.03	22.10	21.91		
15	PI/2 BPSK	1	77	22.03	22.04	21.96		
15	PI/2 BPSK	36	0	21.53	21.59	21.42	23.0	0.5
15	PI/2 BPSK	36	22	21.96	21.98	21.90	23.5	0.0
15	PI/2 BPSK	36	43	21.56	21.60	21.59	23.0	0.5
15	PI/2 BPSK	75	0	21.56	21.60	21.52		
15	QPSK	1	1	22.10	22.12	22.06		
15	QPSK	1	40	22.07	22.08	22.00	23.5	0.0
15	QPSK	1	77	22.07	22.05	21.94		
15	QPSK	36	0	20.96	21.01	20.99		
15	QPSK	36	22	22.06	22.03	21.97	23.5	0.0
15	QPSK	36	43	21.00	21.07	20.98	22.5	1.0
15	QPSK	75	0	21.04	21.10	21.07		
15	16QAM	1	1	21.15	21.21	21.12	22.5	1.0
15	64QAM	1	1	19.69	19.75	19.68	21.0	2.5
15	256QAM	1	1	17.60	17.62	17.60	19.0	4.5
Channel				140900	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.06	22.05	21.91	23.5	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	21.99	22.09	22.04	23.5	0.0

n14_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)	MPR (dB)
Channel				156600	793		23.5	0.0
Frequency (MHz)					22.00			
10	PI/2 BPSK	1	1		21.90		23.0	0.5
10	PI/2 BPSK	1	26		21.97			
10	PI/2 BPSK	1	50		21.40			
10	PI/2 BPSK	25	0		21.40		23.0	0.5
10	PI/2 BPSK	25	14		21.83		23.5	0.0
10	PI/2 BPSK	25	27		21.31		23.0	0.5
10	PI/2 BPSK	50	0		21.36			
10	QPSK	1	1		22.05			
10	QPSK	1	26		21.89		23.5	0.0
10	QPSK	1	50		21.98			
10	QPSK	25	0		20.90			
10	QPSK	25	14		21.99		23.5	0.0
10	QPSK	25	27		20.80		22.5	1.0
10	QPSK	50	0		20.86			
10	16QAM	1	1		21.02		22.5	1.0
10	64QAM	1	1		19.66		21.0	2.5
10	256QAM	1	1		17.45		19.0	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	21.90	21.97	21.98	23.5	0.0

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)	MPR (dB)
Channel				373000	376500	380000	23.5	0.0
Frequency (MHz)				1865	1862.5	1900		
30	PI/2 BPSK	1	1	22.35	22.38	22.28	23.0	0.5
30	PI/2 BPSK	1	80	22.27	22.17	22.17		
30	PI/2 BPSK	1	158	22.16	22.16	22.10		
30	PI/2 BPSK	80	0	21.52	21.52	21.46	23.0	0.5
30	PI/2 BPSK	80	40	22.08	22.13	22.14	23.0	0.5
30	PI/2 BPSK	80	80	21.44	21.48	21.41		
30	PI/2 BPSK	160	0	21.43	21.43	21.38		
30	QPSK	1	1	22.43	22.58	22.37	23.5	0.0
30	QPSK	1	80	22.27	22.25	22.20		
30	QPSK	1	158	22.23	22.24	22.20		
30	QPSK	80	0	21.15	21.19	21.20	22.5	1.0
30	QPSK	80	40	22.24	22.24	22.20	23.5	0.0
30	QPSK	80	80	21.27	21.28	21.18	22.5	1.0
30	QPSK	160	0	21.19	21.22	21.13		
30	16QAM	1	1	21.31	21.38	21.38	22.5	1.0
30	64QAM	1	1	20.02	20.02	19.93	21.0	2.5
30	256QAM	1	1	17.74	17.75	17.68	19.0	4.5
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1862.5	1902.5		
25	QPSK	1	1	22.34	22.42	22.30	23.5	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1862.5	1905		
20	QPSK	1	1	22.40	22.38	22.28	23.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1862.5	1907.5		
15	QPSK	1	1	22.30	22.40	22.27	23.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1862.5	1910		
10	QPSK	1	1	22.38	22.37	22.22	23.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1862.5	1912.5		
5	QPSK	1	1	22.32	22.47	22.22	23.5	0.0

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)	MPR (dB)
Channel				2310			23.5	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1	22.03				
10	PI/2 BPSK	1	26	22.08				
10	PI/2 BPSK	1	50	22.07				
10	PI/2 BPSK	25	0	21.47			23.0	0.5
10	PI/2 BPSK	25	14	21.84			23.5	0.0
10	PI/2 BPSK	25	27	21.47			23.0	0.5
10	PI/2 BPSK	50	0	21.37				
10	QPSK	1	1	22.10				
10	QPSK	1	26	22.02			23.5	0.0
10	QPSK	1	50	21.87				
10	QPSK	25	0	20.95			22.5	1.0
10	QPSK	25	14	21.84			23.5	0.0
10	QPSK	25	27	20.97				
10	QPSK	50	0	20.98			22.5	1.0
10	16QAM	1	1	21.18			22.5	1.0
10	64QAM	1	1	19.74			21.0	2.5
10	256QAM	1	1	17.45			19.0	4.5

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)	MPR (dB)
Channel				1725 1745 1765			23.5	0.0
Frequency (MHz)				1725 1745 1765				
30	PI/2 BPSK	1	1	22.12	22.29	22.28		
30	PI/2 BPSK	1	80	22.25	22.25	22.19	23.5	
30	PI/2 BPSK	1	158	22.68	22.26	22.68		
30	PI/2 BPSK	80	0	21.74	21.78	21.74	23.0	0.5
30	PI/2 BPSK	80	40	22.16	22.25	22.23	23.5	0.0
30	PI/2 BPSK	80	80	21.72	21.75	21.69		
30	PI/2 BPSK	160	0	21.68	21.76	21.73	23.0	0.5
30	QPSK	1	1	22.08	22.70	22.08		
30	QPSK	1	80	22.28	22.28	22.27	23.5	0.0
30	QPSK	1	158	22.18	22.26	22.29		
30	QPSK	80	0	21.15	21.23	21.21	22.5	1.0
30	QPSK	80	40	22.17	22.29	22.24	23.5	0.0
30	QPSK	80	80	21.27	21.27	21.20		
30	QPSK	160	0	21.29	21.30	21.26	22.5	1.0
30	16QAM	1	1	21.43	21.43	21.38	22.5	1.0
30	64QAM	1	1	19.94	19.99	19.96	21.0	2.5
30	256QAM	1	1	17.74	17.77	17.76	19.0	4.5
Channel				344500 345000 353500			19.0	4.5
Frequency (MHz)				1722.5 1745 1767.5				
25	QPSK	1	1	22.61	22.58	22.55	23.5	0.0
Channel				344000 348000 354000			23.5	0.0
Frequency (MHz)				1720 1745 1770				
20	QPSK	1	1	22.63	22.62	22.61	23.5	0.0
Channel				343500 349000 354500			23.5	0.0
Frequency (MHz)				1717.5 1745 1772.5				
15	QPSK	1	1	22.62	22.64	22.62	23.5	0.0
Channel				343000 345000 355000			23.5	0.0
Frequency (MHz)				1715 1745 1775				
10	QPSK	1	1	22.54	22.64	22.55	23.5	0.0
Channel				342500 346000 355500			23.5	0.0
Frequency (MHz)				1712.5 1745 1777.5				
5	QPSK	1	1	22.55	22.62	22.62	23.5	0.0

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)	MPR (dB)
Channel				673 680.5 686			23.5	0.0
Frequency (MHz)				673 680.5 686				
20	PI/2 BPSK	1	1	21.80	21.83	21.78		
20	PI/2 BPSK	1	53	21.88	21.87	21.86	23.5	
20	PI/2 BPSK	1	104	21.80	21.85	21.86		
20	PI/2 BPSK	50	0	21.49	21.38	21.40	23.0	0.5
20	PI/2 BPSK	50	28	21.99	21.85	21.82	23.5	0.0
20	PI/2 BPSK	50	56	21.53	21.40	21.38		
20	PI/2 BPSK	100	0	21.60	21.44	21.47	23.0	0.5
20	QPSK	1	1	22.04	21.98	21.85		
20	QPSK	1	53	21.95	21.81	21.82	23.5	0.0
20	QPSK	1	104	22.00	21.86	21.86		
20	QPSK	50	0	20.94	20.84	20.83	22.5	1.0
20	QPSK	50	28	22.02	21.85	21.86	23.5	0.0
20	QPSK	50	56	21.05	20.86	20.90		
20	QPSK	100	0	21.08	20.95	20.97	22.5	1.0
20	16QAM	1	1	21.13	20.95	21.00	22.5	1.0
20	64QAM	1	1	19.58	19.47	19.47	21.0	2.5
20	256QAM	1	1	17.54	17.39	17.46	19.0	4.5
Channel				134100 136100 138100			23.5	0.0
Frequency (MHz)				670.5 680.5 690.5				
15	QPSK	1	1	21.87	21.78	21.77	23.5	0.0
Channel				133600 136100 138600			23.5	0.0
Frequency (MHz)				668 680.5 693				
10	QPSK	1	1	21.82	21.69	21.74	23.5	0.0
Channel				133100 136100 139100			23.5	0.0
Frequency (MHz)				665.5 680.5 695.5				
5	QPSK	1	1	21.84	21.70	21.68	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	516996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.15	22.38	22.17		
40	PI/2 BPSK	1	53	22.12	22.31	22.11	23.5	0.0
40	PI/2 BPSK	1	104	22.28	22.40	22.37		
40	PI/2 BPSK	50	0	21.71	21.77	21.69	23.0	0.5
40	PI/2 BPSK	50	28	22.28	22.28	22.28	23.5	0.0
40	PI/2 BPSK	50	56	21.67	21.72	21.72	23.0	0.5
40	PI/2 BPSK	100	0	21.67	21.74	21.68		
40	QPSK	1	1	22.20	22.16	22.14		
40	QPSK	1	53	22.37	22.45	22.42	23.5	0.0
40	QPSK	1	104	22.21	22.24	22.21		
40	QPSK	50	0	21.24	21.24	21.17		
40	QPSK	50	28	22.14	22.16	22.13	23.5	0.0
40	QPSK	50	56	21.21	21.22	21.14		
40	QPSK	100	0	21.13	21.20	21.11	22.5	1.0
40	16QAM	1	1	21.59	21.56	21.53	22.5	1.0
40	64QAM	1	1	20.04	20.08	20.08	21.0	2.5
40	256QAM	1	1	17.64	17.86	17.87	19.0	4.5
Channel				517002	516900	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.25	22.44	22.33	23.5	0.0
Channel				516900	516900	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2585	2610		
20	QPSK	1	1	22.30	22.42	22.34	23.5	0.0

n41(HPUE)_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)	MPR (dB)
Channel				505002	516998	520000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.90	25.91	25.71		
100	PI/2 BPSK	1	137	25.88	25.97	25.82	27.0	0.0
100	PI/2 BPSK	1	271	25.80	25.83	25.86		
100	PI/2 BPSK	135	0	25.32	25.27	25.24	26.5	0.5
100	PI/2 BPSK	135	69	25.84	25.88	25.73	27.0	0.0
100	PI/2 BPSK	135	138	25.28	25.24	25.13	26.5	0.5
100	PI/2 BPSK	270	0	25.39	25.43	25.32		
100	QPSK	1	1	25.90	25.97	25.80		
100	QPSK	1	137	25.84	25.98	25.83	27.0	0.0
100	QPSK	1	271	25.88	25.87	25.76		
100	QPSK	135	0	24.82	24.81	24.60		
100	QPSK	135	69	25.80	25.83	25.86	27.0	0.0
100	QPSK	135	138	24.79	24.79	24.71		
100	QPSK	270	0	24.81	24.80	24.67	26.0	1.0
100	16QAM	1	1	25.08	25.08	24.93	26.0	1.0
100	64QAM	1	1	23.54	23.55	23.43	24.5	2.5
100	256QAM	1	1	21.25	21.26	21.22	22.5	4.5
Channel				508000	516998	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.91	25.84	25.80	27.0	0.0
Channel				507204	516998	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2592.99	2644.99		
80	QPSK	1	1	25.79	25.85	25.68	27.0	0.0
Channel				506002	516998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2592.99	2635		
70	QPSK	1	1	25.91	25.92	25.78	27.0	0.0
Channel				505000	516998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2592.99	2659.98		
60	QPSK	1	1	25.79	25.90	25.70	27.0	0.0
Channel				504204	516998	530998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2592.99	2644.99		
50	QPSK	1	1	25.84	25.96	25.69	27.0	0.0
Channel				503002	516998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616.01	2592.99	2670		
40	QPSK	1	1	25.82	25.94	25.72	27.0	0.0
Channel				502000	516998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2592.99	2674.98		
30	QPSK	1	1	25.86	25.92	25.81	27.0	0.0
Channel				501204	516998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2608.02	2592.99	2679.99		
20	QPSK	1	1	25.88	25.89	25.68	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505002	516998	520000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.00	15.96	15.75		
100	PI/2 BPSK	1	137	16.02	16.00	15.82	17.5	0.0
100	PI/2 BPSK	1	271	15.98	16.04	15.82		
100	PI/2 BPSK	135	0	16.04	15.97	15.70	17.5	0.0
100	PI/2 BPSK	135	69	15.82	15.99	15.71	17.5	0.0
100	PI/2 BPSK	135	138	15.96	15.99	15.68	17.5	0.0
100	PI/2 BPSK	270	0	15.83	16.03	15.73		
100	QPSK	1	1	16.01	16.04	15.78		
100	QPSK	1	137	16.05	16.13	15.67	17.5	0.0
100	QPSK	1	271	15.80	16.07	15.78		
100	QPSK	135	0	15.92	15.95	15.85		
100	QPSK	135	69	15.80	16.09	15.81	17.5	0.0
100	QPSK	135	138	15.81	15.97	15.83		
100	QPSK	270	0	15.86	16.03	15.88	17.5	0.0
100	16QAM	1	1	15.97	16.00	15.78	17.5	0.0
100	64QAM	1	1	16.00	16.04	15.73	17.5	0.0
100	256QAM	1	1	15.86	16.04	15.85	17.5	0.0
Channel				508000	516998	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.91	16.03	15.74	17.5	0.0
Channel				507204	516998	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2592.99	2644.99		
80	QPSK	1	1	15.86	15.91	15.67	17.5	0.0
Channel				506002	516998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2592.99	2635		
70	QPSK	1	1	15.91	15.90	15.74	17.5	0.0
Channel				505000	516998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2592.99	2659.98		
60	QPSK	1	1	15.82	15.93	15.71	17.5	0.0
Channel				504204	516998	530998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2592.99	2644.99		
50	QPSK	1	1	15.87	16.05	15.80	17.5	0.0
Channel				503002	516998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616.01	2592.99	2670		
40	QPSK	1	1	15.80	16.05	15.63	17.5	0.0
Channel				502000	516998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2611	2592.99	2674.98		
30	QPSK	1	1	15.87	15.93	15.75	17.5	0.0
Channel				501204	516998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2608.02	2592.99	2679.99		
20	QPSK	1	1	15.94	15.89	15.79	17.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	641666	646332		
Frequency (MHz)				3570	3634.99	3679.98		
40	PI/2 BPSK	1	1	20.36	20.53	20.31		
40	PI/2 BPSK	1	53	20.32	20.63	20.43	22.0	0.0
40	PI/2 BPSK	1	104	20.48	20.86	20.26		
40	PI/2 BPSK	50	0	20.24	20.63	20.44	22.0	0.0
40	PI/2 BPSK	50	28	20.40	20.54	20.47	22.0	0.0
40	PI/2 BPSK	50	56	20.28	20.70	20.28		
40	PI/2 BPSK	100	0	20.50	20.70	20.43	22.0	0.0
40	QPSK	1	1	20.39	20.54	20.31		
40	QPSK	1	53	20.53	20.79	20.35	22.0	0.0
40	QPSK	1	104	20.48	20.50	20.43		
40	QPSK	50	0	20.39	20.52	20.43		
40	QPSK	50	28	20.15	20.64	20.51	22.0	0.0
40	QPSK	50	56	20.42	20.52	20.35		
40	QPSK	100	0	20.34	20.62	20.28	22.0	0.0
40	16QAM	1	1	20.26	20.75	20.35	22.0	0.0
40	64QAM	1	1	19.45	19.60	19.53	21.0	1.0
40	256QAM	1	1	17.19	17.36	17.18	19.0	3.0
Channel				637668	641668	645668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99	22.0	0.0
30	QPSK	1	1	20.34	20.67	20.31	22.0	0.0
Channel				637334	641660	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.01	3524.99	3580		
20	QPSK	1	1	20.36	20.54	20.28	22.0	0.0

Part27Q_n77(HPUE)_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)	MPR (dB)
Channel				633332	633332	6499.98		
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	25.99				
100	PI/2 BPSK	1	137	26.27			27.0	0.0
100	PI/2 BPSK	1	271	26.26				
100	PI/2 BPSK	135	0	26.03			26.5	0.5
100	PI/2 BPSK	135	69	26.17			27.0	0.0
100	PI/2 BPSK	135	138	26.21			26.5	0.5
100	PI/2 BPSK	270	0	26.15				
100	QPSK	1	1	26.00				
100	QPSK	1	137	26.34			27.0	0.0
100	QPSK	1	271	26.29				
100	QPSK	135	0	25.51				
100	QPSK	135	69	26.15			27.0	0.0
100	QPSK	135	138	25.63				
100	QPSK	270	0	25.63			26.0	1.0
100	16QAM	1	1	24.93			26.0	1.0
100	64QAM	1	1	24.20			24.5	2.5
100	256QAM	1	1	21.84			22.5	4.5
Channel				632688	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	26.24	26.28	26.17	27.0	0.0
Channel				632000	633332	634960	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.98		
60	QPSK	1	1	26.17	26.28	26.15	27.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	26.00	26.19	26.04	27.0	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	26.24	26.32	26.26	27.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	26.28	26.33	26.29	27.0	0.0

Part27Q_n77(HPUE)_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)	MPR (dB)
Channel				660000	660000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	25.60	25.72	25.86		
100	PI/2 BPSK	1	137	26.04	26.14	26.25	27.0	0.0
100	PI/2 BPSK	1	271	26.03	26.20	26.15		
100	PI/2 BPSK	135	0	25.72	25.83	25.91	26.5	0.5
100	PI/2 BPSK	135	69	25.95	26.05	26.14	27.0	0.0
100	PI/2 BPSK	135	138	25.86	26.12	26.17	26.5	0.5
100	PI/2 BPSK	270	0	25.97	26.09	26.12		
100	QPSK	1	1	25.62	25.82	25.92		
100	QPSK	1	137	26.10	26.24	26.30	27.0	0.0
100	QPSK	1	271	26.05	26.22	26.23		
100	QPSK	135	0	25.25	25.43	25.41		
100	QPSK	135	69	25.85	26.15	26.16	27.0	0.0
100	QPSK	135	138	25.40	25.52	25.62		
100	QPSK	270	0	25.35	25.50	25.55	26.0	1.0
100	16QAM	1	1	24.69	24.91	24.89	26.0	1.0
100	64QAM	1	1	23.86	24.02	24.10	24.5	2.5
100	256QAM	1	1	21.64	21.69	21.75	22.5	4.5
Channel				645334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	26.09	26.17	26.24	27.0	0.0
Channel				649968	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	QPSK	1	1	26.01	26.14	26.17	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3900		
40	QPSK	1	1	26.03	26.10	26.21	27.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	QPSK	1	1	26.01	26.12	26.25	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	25.97	26.13	26.29	27.0	0.0

Part27Q_n77(HPUE)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1		14.70				
100	Pi2 BPSK	1	137		14.91		15.5		0.0
100	Pi2 BPSK	1	271		14.74				
100	Pi2 BPSK	135	0		14.71		15.5	0.0	
100	Pi2 BPSK	135	69		14.81		15.5	0.0	
100	Pi2 BPSK	135	138		14.84		15.5	0.0	
100	Pi2 BPSK	270	0		14.77				
100	QPSK	1	1		14.70				
100	QPSK	1	137		14.94		15.5	0.0	
100	QPSK	1	271		14.75				
100	QPSK	135	0		14.74				
100	QPSK	135	69		14.76		15.5	0.0	
100	QPSK	135	138		14.79				
100	QPSK	270	0		14.79		15.5	0.0	
100	16QAM	1	1		14.84		15.5	0.0	
100	64QAM	1	1		14.78		15.5	0.0	
100	256QAM	1	1		14.73		15.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.83	14.78	14.62	15.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.61	14.69	14.68	15.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.02	14.09	14.59	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.61	14.79	14.57	15.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.70	14.84	14.77	15.5	0.0	

Part270_n77(HPUE)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	14.20	14.11	14.14			
100	Pl2 BPSK	1	137	14.27	14.17	14.17	15.5		0.0
100	Pl2 BPSK	1	271	14.12	14.25	14.03			
100	Pl2 BPSK	135	0	14.12	14.29	14.25	15.5		0.0
100	Pl2 BPSK	135	69	14.13	14.27	14.05	15.5		0.0
100	Pl2 BPSK	135	138	14.07	14.16	14.13	15.5		0.0
100	Pl2 BPSK	270	0	14.09	14.27	14.10			
100	QPSK	1	1	14.22	14.15	14.21			
100	QPSK	1	137	14.30	14.41	14.22	15.5		0.0
100	QPSK	1	271	14.06	14.17	14.12			
100	QPSK	135	0	14.08	14.31	14.02			
100	QPSK	135	69	14.25	14.32	14.16	15.5		0.0
100	QPSK	135	138	14.08	14.25	14.26			
100	QPSK	270	0	14.14	14.21	14.03	15.5		0.0
100	16QAM	1	1	14.23	14.20	14.09	15.5		0.0
100	64QAM	1	1	14.14	14.30	14.18	15.5		0.0
100	256QAM	1	1	14.16	14.29	14.10	15.5		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.28	14.19	14.15	15.5		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.19	14.25	14.12	15.5		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.12	14.24	14.03	15.5		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.19	14.25	14.13	15.5		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.19	14.29	14.03	15.5		0.0

Part27Q_n77(HPUE)_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1		24.46				
100	Pl2 BPSK	1	137		24.69		25.5		0.0
100	Pl2 BPSK	1	271		24.62				
100	Pl2 BPSK	135	0		24.28		25.0	0.5	
100	Pl2 BPSK	135	69		24.39		25.5	0.0	
100	Pl2 BPSK	135	138		24.57		25.0	0.5	
100	Pl2 BPSK	270	0		24.53				
100	QPSK	1	1		24.47				
100	QPSK	1	137		24.75		25.5	0.0	
100	QPSK	1	271		24.63				
100	QPSK	135	0		23.84				
100	QPSK	135	69		24.43		25.5	0.0	
100	QPSK	135	138		23.87				
100	QPSK	270	0		23.96		24.5	1.0	
100	16QAM	1	1		24.01		24.5	1.0	
100	64QAM	1	1		22.41		23.0	2.5	
100	256QAM	1	1		20.03		21.0	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.60	24.72	24.59	25.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.65	24.70	24.56	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.48	24.63	24.55	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.70	24.74	24.59	25.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.63	24.74	24.64	25.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.83	23.72	23.53	25.5	0.0
100	PI2 BPSK	1	137	24.23	24.04	23.54		
100	PI2 BPSK	1	271	24.19	24.01	23.52		
100	PI2 BPSK	135	0	23.89	23.69	23.19	25.0	0.5
100	PI2 BPSK	135	69	23.92	23.74	23.56	25.5	0.0
100	PI2 BPSK	135	138	24.05	23.94	23.49	25.0	0.5
100	PI2 BPSK	270	0	24.02	23.85	23.43	25.5	0.0
100	QPSK	1	1	23.92	23.77	23.91		
100	QPSK	1	137	24.25	24.05	23.63		
100	QPSK	1	271	24.20	24.03	23.57	25.5	0.0
100	QPSK	135	0	23.38	23.19	22.71		
100	QPSK	135	69	23.96	23.75	23.25		
100	QPSK	135	138	23.42	23.28	22.84	24.5	1.0
100	QPSK	270	0	23.52	23.28	22.84	24.5	1.0
100	16QAM	1	1	23.62	23.44	22.97	24.5	1.0
100	64QAM	1	1	21.91	21.83	21.44	23.0	2.5
100	256QAM	1	1	18.99	19.47	19.16	21.0	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.21	24.03	23.59	25.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.19	23.93	23.56	25.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.22	23.97	23.54	25.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.20	23.92	23.61	25.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.23	23.91	23.57	25.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		21.54		22.5	0.0
100	PI2 BPSK	1	137		21.70			
100	PI2 BPSK	1	271		21.78			
100	PI2 BPSK	135	0		21.48		22.0	0.5
100	PI2 BPSK	135	69		21.63		22.5	0.0
100	PI2 BPSK	135	138		21.68		22.0	0.5
100	PI2 BPSK	270	0		21.58		22.5	0.0
100	QPSK	1	1		21.56			
100	QPSK	1	137		21.79			
100	QPSK	1	271		21.78		22.5	0.0
100	QPSK	135	0		20.55			
100	QPSK	135	69		21.65			
100	QPSK	135	138		20.72		21.5	1.0
100	QPSK	270	0		20.81		21.5	1.0
100	16QAM	1	1		21.18		21.5	1.0
100	64QAM	1	1		18.96		20.0	2.5
100	256QAM	1	1		16.94		18.0	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.49	21.61	21.55	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.64	21.70	21.65	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.66	21.72	21.63	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.51	21.61	21.52	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.70	21.75	21.60	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.19	21.23	20.96	22.5	0.0
100	PI2 BPSK	1	137	21.51	21.31	21.17		
100	PI2 BPSK	1	271	21.42	21.26	21.04		
100	PI2 BPSK	135	0	21.23	21.09	20.92	22.0	0.5
100	PI2 BPSK	135	69	21.35	21.19	21.03	22.5	0.0
100	PI2 BPSK	135	138	21.45	21.31	21.06	22.0	0.5
100	PI2 BPSK	270	0	21.28	21.24	21.00	22.5	0.0
100	QPSK	1	1	21.28	21.27	20.98		
100	QPSK	1	137	21.53	21.40	21.20		
100	QPSK	1	271	21.48	21.38	21.08	22.5	0.0
100	QPSK	135	0	20.36	20.28	20.08		
100	QPSK	135	69	21.28	21.11	21.00		
100	QPSK	135	138	20.42	20.26	20.03	21.5	1.0
100	QPSK	270	0	20.65	20.52	20.26	21.5	1.0
100	16QAM	1	1	20.88	20.71	20.49	21.5	1.0
100	64QAM	1	1	18.67	18.61	18.48	20.0	2.5
100	256QAM	1	1	16.79	16.71	16.46	18.0	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.48	21.28	21.08	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.47	21.31	21.13	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.51	21.27	21.10	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.48	21.32	21.14	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.43	21.31	21.15	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3750									
100	PI2 BPSK	1	1	14.12			15.5	0.0	
100	PI2 BPSK	1	137	14.09					
100	PI2 BPSK	1	271	14.00					
100	PI2 BPSK	135	0	14.10			15.5	0.0	
100	PI2 BPSK	135	69	14.12			15.5	0.0	
100	PI2 BPSK	135	138	14.04			15.5	0.0	
100	PI2 BPSK	270	0	13.96			15.5	0.0	
100	QPSK	1	1	14.17			15.5	0.0	
100	QPSK	1	137	14.20					
100	QPSK	1	271	13.97					
100	QPSK	135	0	14.02			15.5	0.0	
100	QPSK	135	69	14.06					
100	QPSK	135	138	14.02					
100	QPSK	270	0	14.10			15.5	0.0	
100	16QAM	1	1	13.96			15.5	0.0	
100	64QAM	1	1	14.05			15.5	0.0	
100	256QAM	1	1	14.00			15.5	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	13.78	13.86	13.84	15.5	0.0	
Channel				648234	650000	650666	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	13.84	14.01	13.98	15.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	13.80	13.97	13.74	15.5	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	13.82	13.87	13.82	15.5	0.0	
Channel				648234	650000	651666	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	13.87	14.07	13.86	15.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	13.83	13.89	13.89	15.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	14.00	13.96	14.06	15.5	0.0	
Channel				647234	650000	652666	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	13.92	14.02	13.88	15.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	24.26			25.5	0.0	
100	PI2 BPSK	1	137	24.62					
100	PI2 BPSK	1	271	24.36					
100	PI2 BPSK	135	0	24.36			25.0	0.5	
100	PI2 BPSK	135	69	24.46			25.5	0.0	
100	PI2 BPSK	135	138	24.47			25.0	0.5	
100	PI2 BPSK	270	0	24.39			25.0	0.5	
100	QPSK	1	1	24.33			25.5	0.0	
100	QPSK	1	137	24.63					
100	QPSK	1	271	24.44					
100	QPSK	135	0	23.91			25.5	0.0	
100	QPSK	135	69	24.55					
100	QPSK	135	138	23.85					
100	QPSK	270	0	23.87			24.5	1.0	
100	16QAM	1	1	23.93			24.5	1.0	
100	84QAM	1	1	22.47			23.0	2.5	
100	256QAM	1	1	19.93			21.0	4.5	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	24.42	24.52	24.39	25.5	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3509.99	(dBm)	(dB)	
80	QPSK	1	1	24.41	24.51	24.41	25.5	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	24.42	24.57	24.40	25.5	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	24.48	24.59	24.46	25.5	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3509.99	(dBm)	(dB)	
50	QPSK	1	1	24.59	24.61	24.53	25.5	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3509.98	(dBm)	(dB)	
40	QPSK	1	1	24.54	24.59	24.52	25.5	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	24.46	24.50	24.44	25.5	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540.99	(dBm)	(dB)	
20	QPSK	1	1	24.56	24.62	24.52	25.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3750									
100	PI2 BPSK	1	1	23.79			25.5	0.0	
100	PI2 BPSK	1	137	24.10					
100	PI2 BPSK	1	271	23.96					
100	PI2 BPSK	135	0	23.98			25.0	0.5	
100	PI2 BPSK	135	69	23.99			25.5	0.0	
100	PI2 BPSK	135	138	23.96			25.0	0.5	
100	PI2 BPSK	270	0	23.93			25.0	0.5	
100	QPSK	1	1	23.83			25.5	0.0	
100	QPSK	1	137	24.20					
100	QPSK	1	271	24.04					
100	QPSK	135	0	23.41			25.5	0.0	
100	QPSK	135	69	24.11					
100	QPSK	135	138	23.50					
100	QPSK	270	0	23.44			24.5	1.0	
100	16QAM	1	1	23.43			24.5	1.0	
100	84QAM	1	1	22.06			23.0	2.5	
100	256QAM	1	1	19.63			21.0	4.5	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	24.03	24.18	24.12	25.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	24.03	24.18	24.17	25.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	23.99	24.07	23.90	25.5	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	23.94	24.06	24.05	25.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	24.04	24.15	24.05	25.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	24.07	24.18	24.06	25.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	24.10	24.16	24.05	25.5	0.0	
Channel				647234	650000	652666	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	24.12	24.13	24.09	25.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332		3499.98			
100	PI2 BPSK	1	1		21.47		22.5	0.0	
100	PI2 BPSK	1	137		21.53				
100	PI2 BPSK	1	271		21.46				
100	PI2 BPSK	135	0		21.16		22.0	0.5	
100	PI2 BPSK	135	69		21.41				
100	PI2 BPSK	135	138		21.54				
100	PI2 BPSK	270	0		21.43		22.0	0.5	
100	QPSK	1	1		21.48				
100	QPSK	1	137		21.60			22.5	
100	QPSK	1	271		21.54				
100	QPSK	135	0		21.08		22.5	0.0	
100	QPSK	135	69		21.69				
100	QPSK	135	138		20.34				
100	QPSK	270	0		20.33		21.5	1.0	
100	16QAM	1	1		20.47				
100	64QAM	1	1		18.88			20.0	
100	256QAM	1	1		18.70				
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1		21.47	21.51	21.48	22.5	0.0
Channel				632866	633332	634800	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3489.98	3500	(dBm)	(dB)	
80	QPSK	1	1		21.56	21.57	21.51	22.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1		21.41	21.50	21.41	22.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1		21.54	21.57	21.49	22.5	0.0
Channel				631666	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3489.98	3505	(dBm)	(dB)	
50	QPSK	1	1		21.46	21.49	21.47	22.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3489.98	3509.98	(dBm)	(dB)	
40	QPSK	1	1		21.59	21.58	21.53	22.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1		21.38	21.52	21.43	22.5	0.0
Channel				630666	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3489.98	3540	(dBm)	(dB)	
20	QPSK	1	1		21.39	21.49	21.34	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		3750		22.5	0.0	
100	PI2 BPSK	1	137		21.01				
100	PI2 BPSK	1	271		21.30				
100	PI2 BPSK	135	0		20.86		22.0	0.5	
100	PI2 BPSK	135	69		21.11				
100	PI2 BPSK	135	138		21.16				
100	PI2 BPSK	270	0		21.16		22.0	0.5	
100	QPSK	1	1		21.08				
100	QPSK	1	137		21.35			22.5	
100	QPSK	1	271		21.16				
100	QPSK	135	0		20.75		22.5	0.0	
100	QPSK	135	69		21.54				
100	QPSK	135	138		20.03				
100	QPSK	270	0		19.93		21.5	1.0	
100	16QAM	1	1		20.20				
100	64QAM	1	1		18.54			20.0	
100	256QAM	1	1		18.40				
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1		21.15	21.22	21.08	22.5	0.0
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.98	(dBm)	(dB)	
80	QPSK	1	1		21.19	21.29	21.23	22.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		21.14	21.25	21.23	22.5	0.0
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1		21.25	21.34	21.27	22.5	0.0
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	1		21.18	21.33	21.19	22.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		21.19	21.21	21.09	22.5	0.0
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1		21.19	21.34	21.20	22.5	0.0
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.98	(dBm)	(dB)	
20	QPSK	1	1		21.15	21.25	21.16	22.5	0.0

Conducted Power						
<WLAN 2.4GHz FCC>						
2.4GHz WLAN				Default		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	14.40	16.00	100.00
		6	2437	14.50	16.50	
		11	2462	15.15	17.00	
	802.11g 6Mbps	1	2412	14.60	16.50	97.90
		6	2437	17.10	19.00	
		11	2462	14.10	15.50	
	802.11n-HT20 MCS0	1	2412	14.20	16.00	97.50
		6	2437	16.20	18.00	
		11	2462	13.30	15.00	
	802.11n-HT40 MCS0	3	2422	9.20	11.00	94.14
		4	2427	10.20	12.00	
		5	2432	13.20	15.00	
	802.11ac-VHT20 MCS0	6	2437	14.20	16.00	97.84
		8	2447	11.50	13.00	
		9	2452	10.00	11.50	
	802.11ac-VHT40 MCS0	1	2412	14.10	16.00	94.14
		6	2437	16.10	18.00	
		11	2462	13.20	15.00	
	802.11ac-VHT80 MCS0	3	2422	9.10	11.00	94.14
		4	2427	10.10	12.00	
		5	2432	13.10	15.00	
	802.11ac-VHT160 MCS0	6	2437	14.10	16.00	94.14
		8	2447	11.40	13.00	
		9	2452	9.90	11.50	
	<WLAN 5GHz FCC>					
5.5GHz WLAN				Default		
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.20	19.50	98.54
		40	5200	17.18	19.00	
		44	5220	17.22	19.00	
	802.11n-HT20 MCS0	48	5240	17.15	19.00	98.10
		36	5180	17.34	19.00	
		40	5200	17.26	19.00	
	802.11n-HT40 MCS0	44	5220	17.26	19.00	95.89
		38	5160	12.88	14.70	
		46	5230	16.09	18.00	
	802.11ac-VHT20 MCS0	36	5180	17.22	19.00	98.11
		40	5200	17.16	19.00	
		44	5220	17.04	19.00	
	802.11ac-VHT40 MCS0	48	5240	17.02	19.00	95.93
		38	5190	12.63	14.70	
		46	5230	16.09	18.00	
	802.11ac-VHT80 MCS0	42	5210	11.14	12.10	92.04
		42	5210	11.14	12.10	
	<WLAN 5GHz FCC>					
5.8GHz WLAN				Default		
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5744	17.20	19.00	95.84
		157	5785	17.03	19.00	
		165	5825	17.02	19.00	
	802.11n-HT20 MCS0	149	5744	17.06	19.00	98.10
		157	5785	17.24	19.00	
		165	5825	17.06	19.00	
	802.11n-HT40 MCS0	151	5755	16.31	18.00	95.89
		159	5795	16.36	18.00	
		149	5744	17.21	19.00	
	802.11ac-VHT20 MCS0	157	5785	17.17	19.00	98.10
		165	5825	17.04	19.00	
		151	5755	16.20	18.00	
	802.11ac-VHT40 MCS0	159	5795	16.20	18.00	95.89
		151	5755	16.20	18.00	
		155	5775	16.18	18.00	
	802.11ac-VHT80 MCS0	155	5775	16.18	18.00	92.04
		155	5775	16.18	18.00	