



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	33.05	33.08	33.15	33.90	24.05	24.08	24.15	24.90
GPRS 1 Tx slot	32.99	33.01	33.07	33.90	23.99	24.01	24.07	24.90
GPRS 2 Tx slots	31.25	31.06	30.82	32.40	25.25	25.06	24.82	26.40
GPRS 3 Tx slots	29.78	29.56	29.53	31.40	25.52	25.30	25.27	27.14
GPRS 4 Tx slots	28.65	28.58	28.45	30.40	25.65	25.58	25.45	27.40
EDGE 1 Tx slot	26.51	26.42	26.43	27.90	17.51	17.42	17.43	18.90
EDGE 2 Tx slots	25.84	25.97	26.08	27.40	19.84	19.97	20.08	21.40
EDGE 3 Tx slots	25.81	25.77	25.88	27.40	21.55	21.51	21.62	23.14
EDGE 4 Tx slots	23.73	23.87	24.02	25.40	20.73	20.87	21.02	22.40



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	31.99	32.00	32.07	33.70	22.99	23.00	23.07	24.70
GPRS 1 Tx slot	32.02	32.05	32.13	33.70	23.02	23.05	23.13	24.70
GPRS 2 Tx slots	29.12	29.11	29.15	30.70	23.12	23.11	23.15	24.70
GPRS 3 Tx slots	27.59	27.31	27.28	28.90	23.33	23.05	23.02	24.64
GPRS 4 Tx slots	26.46	26.30	26.06	27.70	23.46	23.30	23.06	24.70
EDGE 1 Tx slot	26.43	26.42	26.37	27.90	17.43	17.42	17.37	18.90
EDGE 2 Tx slots	25.83	25.93	26.07	27.40	19.83	19.93	20.07	21.40
EDGE 3 Tx slots	25.75	25.68	25.83	27.40	21.49	21.42	21.57	23.14
EDGE 4 Tx slots	23.68	23.82	23.99	25.40	20.68	20.82	20.99	22.40



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	31.99	32.00	32.07	32.50	22.99	23.00	23.07	23.50
GPRS 1 Tx slot	32.02	32.05	32.13	32.50	23.02	23.05	23.13	23.50
GPRS 2 Tx slots	29.12	29.11	29.15	29.50	23.12	23.11	23.15	23.50
GPRS 3 Tx slots	27.59	27.31	27.28	27.70	23.33	23.05	23.02	23.44
GPRS 4 Tx slots	26.46	26.30	26.06	26.50	23.46	23.30	23.06	23.50
EDGE 1 Tx slot	26.43	26.42	26.37	27.90	17.43	17.42	17.37	18.90
EDGE 2 Tx slots	25.83	25.93	26.07	27.40	19.83	19.93	20.07	21.40
EDGE 3 Tx slots	25.75	25.68	25.83	27.40	21.49	21.42	21.57	23.14
EDGE 4 Tx slots	23.68	23.82	23.99	25.40	20.68	20.82	20.99	22.40



		Ant 1			
Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.89	23.85	23.84	24.90
3GPP Rel 99	RMC 12.2Kbps	23.96	23.95	23.93	24.90
3GPP Rel 6	HSDPA Subtest-1	23.94	23.95	23.92	24.90
3GPP Rel 6	HSDPA Subtest-2	23.95	23.95	23.95	24.90
3GPP Rel 6	HSDPA Subtest-3	23.68	23.71	23.70	24.90
3GPP Rel 6	HSDPA Subtest-4	23.89	23.90	23.81	24.90
3GPP Rel 6	HSUPA Subtest-1	23.92	23.95	23.95	24.90
3GPP Rel 6	HSUPA Subtest-2	22.98	22.90	22.99	23.90
3GPP Rel 6	HSUPA Subtest-3	22.63	22.63	22.65	23.90
3GPP Rel 6	HSUPA Subtest-4	22.83	22.82	22.81	23.90
3GPP Rel 6	HSUPA Subtest-5	23.95	23.94	23.94	24.90



		Ant 1			
Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.89	23.85	23.84	24.80
3GPP Rel 99	RMC 12.2Kbps	23.96	23.95	23.93	24.80
3GPP Rel 6	HSDPA Subtest-1	23.94	23.95	23.92	24.80
3GPP Rel 6	HSDPA Subtest-2	23.95	23.95	23.95	24.80
3GPP Rel 6	HSDPA Subtest-3	23.68	23.71	23.70	24.80
3GPP Rel 6	HSDPA Subtest-4	23.89	23.90	23.81	24.80
3GPP Rel 6	HSUPA Subtest-1	23.92	23.95	23.95	24.80
3GPP Rel 6	HSUPA Subtest-2	22.98	22.90	22.99	23.80
3GPP Rel 6	HSUPA Subtest-3	22.63	22.63	22.65	23.80
3GPP Rel 6	HSUPA Subtest-4	22.83	22.82	22.81	23.80
3GPP Rel 6	HSUPA Subtest-5	23.95	23.94	23.94	24.80



		Ant 1			
Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.19	23.20	23.16	23.60
3GPP Rel 99	RMC 12.2Kbps	23.20	23.22	23.17	23.60
3GPP Rel 6	HSDPA Subtest-1	23.19	23.20	23.11	23.60
3GPP Rel 6	HSDPA Subtest-2	23.15	23.21	23.11	23.60
3GPP Rel 6	HSDPA Subtest-3	22.90	23.00	22.96	23.60
3GPP Rel 6	HSDPA Subtest-4	22.42	22.48	22.47	23.50
3GPP Rel 6	HSUPA Subtest-1	22.51	22.45	22.47	23.50
3GPP Rel 6	HSUPA Subtest-2	21.34	21.28	21.35	22.50
3GPP Rel 6	HSUPA Subtest-3	21.88	21.85	21.93	23.00
3GPP Rel 6	HSUPA Subtest-4	21.33	21.42	21.35	22.50
3GPP Rel 6	HSUPA Subtest-5	23.15	23.11	23.15	23.60



Band 12_Ant 1									
BW (MHz)	Modulate	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up		
Channel				23050	23050	23130	dBm		
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.74	23.70	23.69	24.9		
10	QPSK	1	25	23.80	23.75	23.75			
10	QPSK	1	49	23.73	23.68	23.67			
10	QPSK	25	0	23.80	23.77	23.76	23.9		
10	QPSK	25	12	23.84	23.79	23.79			
10	QPSK	25	25	23.85	23.79	23.78			
10	QPSK	50	0	22.84	22.78	22.74	23.9		
10	16QAM	1	0	23.01	22.94	23.02			
10	16QAM	1	25	23.04	23.06	23.12			
10	16QAM	1	49	23.01	23.04	23.02	22.9		
10	16QAM	25	0	22.81	22.79	22.85			
10	16QAM	25	12	22.82	22.81	22.86			
10	16QAM	50	0	21.82	21.79	21.78	22.9		
10	64QAM	1	0	21.86	21.83	21.81			
10	64QAM	1	25	21.88	21.88	21.93			
10	64QAM	1	49	21.86	21.85	21.84	21.9		
10	64QAM	25	0	21.79	21.76	21.79			
10	64QAM	25	12	21.80	21.78	21.87			
10	64QAM	25	25	21.81	21.82	21.85	19.9		
10	64QAM	50	0	20.80	20.75	20.78			
10	256QAM	1	0	19.88	19.19	19.25			
10	256QAM	1	25	19.01	19.06	19.22	19.9		
10	256QAM	1	49	19.19	19.12	19.00			
10	256QAM	25	0	19.27	19.18	19.14			
10	256QAM	25	12	19.11	19.10	19.06	19.9		
10	256QAM	25	25	19.02	19.20	19.03			
10	256QAM	50	0	18.13	19.14	19.11			
Channel				23035	23105	23155	Tune-up		
Frequency (MHz)				701.5	707.5	713.5	dBm		
5	QPSK	1	0	23.79	23.71	23.65	24.9		
5	QPSK	1	12	23.81	23.75	23.70			
5	QPSK	1	24	23.82	23.76	23.66			
5	QPSK	12	0	22.84	22.77	22.71	23.9		
5	QPSK	12	7	22.85	22.80	22.72			
5	QPSK	12	13	22.86	22.81	22.71			
5	QPSK	24	0	22.88	22.77	22.73	23.9		
5	16QAM	1	0	23.06	23.01	23.00			
5	16QAM	1	12	23.12	23.07	23.01			
5	16QAM	1	24	23.05	23.20	22.87	22.9		
5	16QAM	12	0	21.85	21.81	21.78			
5	16QAM	12	7	21.84	21.85	21.74			
5	16QAM	12	13	21.84	21.88	21.70	22.9		
5	16QAM	25	0	21.85	21.79	21.83			
5	64QAM	1	0	21.93	21.84	21.83			
5	64QAM	1	12	21.88	21.81	21.78	22.9		
5	64QAM	1	24	21.92	21.95	21.73			
5	64QAM	12	0	20.81	20.81	20.73			
5	64QAM	12	7	20.83	20.86	20.71	21.9		
5	64QAM	12	13	20.85	20.88	20.71			
5	64QAM	25	0	20.84	20.78	20.70			
5	256QAM	1	0	19.28	19.16	19.17	19.9		
5	256QAM	1	12	19.19	19.16	19.09			
5	256QAM	1	24	19.16	19.25	19.93			
5	256QAM	12	0	19.20	19.13	19.05	19.9		
5	256QAM	12	7	19.13	19.13	19.06			
5	256QAM	12	13	19.10	19.14	19.93			
5	256QAM	25	0	19.18	19.11	19.00			
Channel				23025	23095	23165	Tune-up		
Frequency (MHz)				703.5	707.5	714.5	dBm		
3	QPSK	1	0	23.80	23.71	23.64	24.9		
3	QPSK	1	8	23.77	23.70	23.61			
3	QPSK	1	14	23.82	23.74	23.64			
3	QPSK	8	0	22.81	22.74	22.64	23.9		
3	QPSK	8	4	22.83	22.75	22.66			
3	QPSK	8	7	22.85	22.78	22.68			
3	QPSK	15	0	22.83	22.77	22.68	23.9		
3	16QAM	1	0	22.98	23.02	22.91			
3	16QAM	1	8	22.98	23.01	22.80			
3	16QAM	1	14	23.00	23.08	22.83	22.9		
3	16QAM	8	0	21.83	21.80	21.73			
3	16QAM	8	4	21.83	21.84	21.71			
3	16QAM	8	7	21.84	21.87	21.72	22.9		
3	16QAM	15	0	21.80	21.80	21.68			
3	64QAM	1	0	21.83	21.90	21.75			
3	64QAM	1	4	21.85	21.86	21.71	22.9		
3	64QAM	1	14	21.89	21.84	21.73			
3	64QAM	8	0	20.79	20.78	20.66			
3	64QAM	8	4	20.80	20.81	20.66	21.9		
3	64QAM	8	7	20.82	20.86	20.67			
3	64QAM	15	0	20.79	20.79	20.65			
3	256QAM	1	0	19.26	19.18	19.17	19.9		
3	256QAM	1	8	19.13	19.22	18.88			
3	256QAM	1	14	19.13	19.21	18.98			
3	256QAM	8	0	19.13	19.05	18.84	19.9		
3	256QAM	8	4	19.14	19.12	18.86			
3	256QAM	8	7	19.12	19.12	18.83			
3	256QAM	15	0	19.15	19.06	18.93			
Channel				23017	23085	23173	Tune-up		
Frequency (MHz)				699.7	707.5	715.3	dBm		
1.4	QPSK	1	0	23.78	23.68	23.60	24.9		
1.4	QPSK	1	3	23.74	23.63	23.56			
1.4	QPSK	1	5	23.81	23.72	23.59			
1.4	QPSK	3	0	23.79	23.67	23.59	23.9		
1.4	QPSK	3	1	23.80	23.72	23.63			
1.4	QPSK	3	1	23.78	23.68	23.59			
1.4	QPSK	6	0	22.81	22.72	22.63	23.9		
1.4	16QAM	1	0	23.02	23.03	22.85			
1.4	16QAM	1	3	22.97	22.95	22.79			
1.4	16QAM	1	49	23.01	23.01	22.82	23.9		
1.4	16QAM	3	0	22.86	22.81	22.68			
1.4	16QAM	3	1	22.83	22.75	22.63			
1.4	16QAM	3	3	22.85	22.80	22.67	22.9		
1.4	16QAM	6	0	21.82	21.77	21.65			
1.4	64QAM	1	0	21.91	21.88	21.73			
1.4	64QAM	1	3	21.85	21.86	21.70	22.9		
1.4	64QAM	1	5	21.96	21.93	21.73			
1.4	64QAM	3	0	21.84	21.79	21.69			
1.4	64QAM	3	1	21.91	21.86	21.74	22.9		
1.4	64QAM	3	3	21.89	21.89	21.74			
1.4	64QAM	6	0	20.78	20.75	20.56			
1.4	256QAM	1	0	19.22	19.17	19.00	19.9		
1.4	256QAM	1	3	19.35	19.10	18.88			
1.4	256QAM	1	5	19.20	19.25	18.93			
1.4	256QAM	3	0	19.22	19.09	18.98	19.9		
1.4	256QAM	3	1	19.25	19.12	18.96			
1.4	256QAM	3	3	19.27	19.15	18.87			
1.4	256QAM	6	0	19.22	19.08	18.91	19.9		



Band 13_Ant 1							
BW (MHz)	Modulate	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				752			
Frequency (MHz)							
10	QPSK	1	0	23.75			24.9
10	QPSK	1	25	23.71			
10	QPSK	1	49	23.77			
10	QPSK	25	0	22.93			
10	QPSK	25	12	22.89			23.9
10	QPSK	25	25	22.97			
10	QPSK	50	0	23.00			
10	16QAM	1	0	23.09			
10	16QAM	1	25	23.19			23.9
10	16QAM	1	49	23.08			
10	16QAM	25	0	21.98			
10	16QAM	25	12	21.91			22.9
10	16QAM	25	25	21.99			
10	16QAM	50	0	21.97			
10	64QAM	1	0	21.93			
10	64QAM	1	25	21.96			22.9
10	64QAM	1	49	21.95			
10	64QAM	25	0	20.94			
10	64QAM	25	12	20.89			21.9
10	64QAM	25	25	20.87			
10	64QAM	50	0	20.96			
10	256QAM	1	0	17.10			19.9
10	256QAM	1	25	17.16			
10	256QAM	1	49	17.20			
10	256QAM	25	0	17.09			
10	256QAM	25	12	17.18			19.9
10	256QAM	25	25	17.12			
10	256QAM	50	0	17.21			
Channel				2305			
Frequency (MHz)				779.5 752 784.5			Tune-up limit (dBm)
5	QPSK	1	0	23.85	23.93	23.83	
5	QPSK	1	12	23.97	23.81	23.80	24.9
5	QPSK	1	24	23.88	23.71	23.84	
5	QPSK	12	0	22.88	22.81	22.75	
5	QPSK	12	7	22.85	22.80	22.76	23.9
5	QPSK	12	13	22.82	22.78	22.74	
5	QPSK	25	0	22.98	22.80	22.74	
5	16QAM	1	0	23.01	23.13	23.06	
5	16QAM	1	12	23.17	23.09	23.04	23.9
5	16QAM	1	24	23.07	22.98	22.94	
5	16QAM	12	0	21.94	21.83	21.78	
5	16QAM	12	7	21.88	21.81	21.83	22.9
5	16QAM	12	13	21.96	21.90	21.92	
5	16QAM	25	0	22.02	21.94	21.90	
5	64QAM	1	0	22.00	22.07	22.00	
5	64QAM	1	12	22.06	21.94	21.96	22.9
5	64QAM	1	24	22.02	21.94	21.94	
5	64QAM	12	0	20.98	20.95	20.94	
5	64QAM	12	7	20.99	20.93	20.91	21.9
5	64QAM	12	13	20.98	20.88	20.87	
5	64QAM	25	0	21.00	20.92	20.88	
5	256QAM	1	0	17.16	17.17	17.21	
5	256QAM	1	12	17.26	17.19	17.15	19.9
5	256QAM	1	24	17.28	17.19	17.16	
5	256QAM	12	0	17.12	17.14	17.14	
5	256QAM	12	7	17.16	17.23	17.14	
5	256QAM	12	13	17.21	17.21	17.12	19.9
5	256QAM	25	0	17.10	17.16	17.13	



Band 14_Ant 1							
BW (MHz)	Modulate	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				793			
Frequency (MHz)				793			
10	QPSK	1	0	24.01			24.9
10	QPSK	1	25	23.76			
10	QPSK	1	49	23.82			
10	QPSK	25	0	22.98			
10	QPSK	25	12	22.26			23.9
10	QPSK	25	25	22.53			
10	QPSK	50	0	22.97			
10	16QAM	1	0	23.20			
10	16QAM	1	25	23.07			23.9
10	16QAM	1	49	23.11			
10	16QAM	25	0	21.97			
10	16QAM	25	12	21.94			
10	16QAM	25	25	21.82			22.9
10	16QAM	50	0	21.96			
10	64QAM	1	0	22.03			
10	64QAM	1	25	21.84			22.9
10	64QAM	1	49	21.88			
10	64QAM	25	0	20.94			
10	64QAM	25	12	20.92			21.9
10	64QAM	25	25	20.90			
10	64QAM	50	0	20.95			
10	256QAM	1	0	19.27			
10	256QAM	1	25	19.15			19.9
10	256QAM	1	49	19.28			
10	256QAM	25	0	19.28			
10	256QAM	25	12	19.21			19.9
10	256QAM	25	25	19.21			
10	256QAM	50	0	19.25			
Channel				2330.5	2330.5	2330.5	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	796.5	
5	QPSK	1	0	23.96	23.92	23.89	
5	QPSK	1	12	24.00	23.92	23.91	24.9
5	QPSK	1	24	23.92	23.88	23.86	
5	QPSK	12	0	23.00	22.95	22.94	
5	QPSK	12	7	22.99	22.95	22.94	23.9
5	QPSK	12	13	22.96	22.93	22.91	
5	QPSK	25	0	22.03	22.97	22.95	
5	16QAM	1	0	23.26	23.25	23.19	
5	16QAM	1	12	23.28	23.25	23.17	23.9
5	16QAM	1	24	23.15	23.14	23.17	
5	16QAM	12	0	22.00	21.97	21.96	
5	16QAM	12	7	22.00	21.96	21.94	22.9
5	16QAM	12	13	21.97	21.96	21.94	
5	16QAM	25	0	21.98	21.96	21.94	
5	64QAM	1	0	22.08	22.06	22.03	
5	64QAM	1	12	22.04	22.01	21.96	22.9
5	64QAM	1	24	22.00	21.97	22.00	
5	64QAM	12	0	20.98	20.94	20.93	
5	64QAM	12	7	20.94	20.94	20.90	21.9
5	64QAM	12	13	20.92	20.93	20.93	
5	64QAM	25	0	20.96	20.94	20.93	
5	256QAM	1	0	19.31	19.28	19.21	
5	256QAM	1	12	19.26	19.11	19.20	19.9
5	256QAM	1	24	19.24	19.10	19.21	
5	256QAM	12	0	19.21	19.21	19.15	
5	256QAM	12	7	19.20	19.15	19.13	19.9
5	256QAM	12	13	19.20	19.15	19.14	
5	256QAM	25	0	19.25	19.23	19.20	



Band 17_Ant 1									
BW (MHz)	Modulate	RB Size	RB Offset	Power Low	Power Middle	Power High			Tune-up
	in			Ch. Freq.	Ch. Freq.	Ch. Freq.			limit
	Channel			23750	23750	23800			(dBm)
	Frequency (MHz)			709	710	711			
10	QPSK	1	0	23.71	23.68	23.68			24.9
10	QPSK	1	25	23.60	23.57	23.56			
10	QPSK	1	49	23.67	23.63	23.74			
10	QPSK	25	0	22.79	22.76	22.76			
10	QPSK	25	12	22.78	22.77	22.78			23.9
10	QPSK	25	25	22.82	22.82	22.83			
10	QPSK	50	0	22.82	22.82	22.83			
10	16QAM	1	0	23.04	23.02	23.00			
10	16QAM	1	25	23.16	23.14	23.01			23.9
10	16QAM	1	49	23.02	23.01	22.95			
10	16QAM	25	0	21.81	21.78	21.77			
10	16QAM	25	12	21.83	21.82	21.79			22.9
10	16QAM	25	25	21.83	21.83	21.81			
10	16QAM	50	0	21.87	21.86	21.84			
10	64QAM	1	0	21.84	21.88	21.81			
10	64QAM	1	25	21.99	21.98	21.88			22.9
10	64QAM	1	49	21.93	21.86	21.83			
10	64QAM	25	0	20.79	20.77	20.78			
10	64QAM	25	12	20.83	20.79	20.77			21.9
10	64QAM	25	25	20.84	20.82	20.80			
10	64QAM	50	0	20.83	20.83	20.82			
10	256QAM	1	0	19.15	19.22	19.22			19.9
10	256QAM	1	25	19.24	19.20	19.17			
10	256QAM	1	49	19.18	19.12	18.99			
10	256QAM	25	0	19.18	19.17	19.25			
10	256QAM	25	12	19.15	19.13	19.12			19.9
10	256QAM	25	25	19.13	19.08	19.05			
10	256QAM	50	0	19.10	19.10	19.13			
	Channel			23750	23750	23800			Tune-up
	Frequency (MHz)			709.5	710	713.5			limit
5	QPSK	1	0	23.75	23.73	23.68			24.9
5	QPSK	1	12	23.82	23.78	23.74			
5	QPSK	1	24	23.82	23.76	23.70			
5	QPSK	12	0	22.83	22.79	22.74			
5	QPSK	12	7	22.84	22.81	22.75			23.9
5	QPSK	12	13	22.84	22.80	22.75			
5	QPSK	25	0	22.84	22.79	22.78			
5	16QAM	1	0	23.08	23.10	23.03			
5	16QAM	1	12	23.17	23.15	23.07			23.9
5	16QAM	1	24	23.21	23.07	22.89			
5	16QAM	12	0	21.86	21.86	21.82			
5	16QAM	12	7	21.88	21.87	21.78			22.9
5	16QAM	12	13	21.89	21.85	21.77			
5	16QAM	25	0	21.84	21.83	21.77			
5	64QAM	1	0	21.87	21.82	21.87			
5	64QAM	1	12	21.93	21.90	21.85			22.9
5	64QAM	1	24	22.04	21.85	21.81			
5	64QAM	12	0	20.82	20.80	20.79			
5	64QAM	12	7	20.88	20.86	20.75			21.9
5	64QAM	12	13	20.89	20.85	20.75			
5	64QAM	25	0	20.83	20.81	20.83			
5	256QAM	1	0	19.13	19.17	19.17			
5	256QAM	1	12	19.17	19.27	19.08			19.9
5	256QAM	1	24	19.26	19.16	18.98			
5	256QAM	12	0	19.17	19.18	19.18			
5	256QAM	12	7	19.15	19.14	19.03			19.9
5	256QAM	12	13	19.19	19.13	18.96			
5	256QAM	25	0	19.15	19.11	19.08			



Band 13_Ant 1							
BW (MHz)	Modulate	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				752			
Frequency (MHz)							
10	QPSK	1	0	22.12			23.6
10	QPSK	1	25	22.11			
10	QPSK	1	49	22.11			
10	QPSK	25	0	22.16			23.6
10	QPSK	25	12	22.11			
10	QPSK	25	25	22.11			
10	QPSK	50	0	22.21			22.9
10	16QAM	1	0	22.37			
10	16QAM	1	25	22.40			
10	16QAM	1	49	22.40			22.9
10	16QAM	25	0	21.18			
10	16QAM	25	12	22.14			
10	16QAM	25	25	22.16			22.9
10	16QAM	50	0	22.23			
10	64QAM	1	0	22.27			
10	64QAM	1	25	22.17			22.9
10	64QAM	1	49	22.26			
10	64QAM	25	0	21.18			
10	64QAM	25	12	21.14			21.9
10	64QAM	25	25	21.15			
10	64QAM	50	0	21.20			
10	256QAM	1	0	17.01			17.6
10	256QAM	1	25	17.08			
10	256QAM	1	49	17.10			
10	256QAM	25	0	17.14			17.6
10	256QAM	25	12	17.13			
10	256QAM	25	25	17.10			
10	256QAM	50	0	17.15			
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	752	784.5	
5	QPSK	1	0	22.10	22.03	22.05	23.6
5	QPSK	1	12	21.93	21.87	21.95	
5	QPSK	1	24	21.96	21.97	22.00	
5	QPSK	12	0	22.12	22.11	22.16	23.6
5	QPSK	12	7	22.03	22.09	22.02	
5	QPSK	12	13	22.01	22.08	22.11	
5	QPSK	25	0	22.15	22.17	22.21	23.6
5	16QAM	1	0	22.29	22.28	22.31	
5	16QAM	1	12	22.40	22.36	22.31	
5	16QAM	1	24	22.36	22.28	22.32	23.6
5	16QAM	12	0	22.16	22.13	22.14	
5	16QAM	12	7	22.05	22.11	22.12	
5	16QAM	12	13	22.15	22.14	22.08	22.9
5	16QAM	25	0	22.16	22.20	22.13	
5	64QAM	1	0	22.26	22.27	22.26	
5	64QAM	1	12	22.10	22.10	22.16	22.9
5	64QAM	1	24	22.17	22.25	22.25	
5	64QAM	12	0	21.16	21.12	21.18	
5	64QAM	12	7	21.10	21.06	21.09	21.9
5	64QAM	12	13	21.15	21.09	21.06	
5	64QAM	25	0	21.13	21.11	21.10	
5	256QAM	1	0	17.10	17.10	17.18	17.6
5	256QAM	1	12	17.26	17.18	17.12	
5	256QAM	1	24	17.26	17.10	17.08	
5	256QAM	12	0	17.07	17.04	17.14	17.6
5	256QAM	12	7	17.13	17.18	17.12	
5	256QAM	12	13	17.20	17.11	17.11	
5	256QAM	25	0	17.09	17.08	17.07	



Band 14_Ant 1							
BW (MHz)	Modulate	RB Size	RB Offset	Power Low Ch./Freq.	Power MidCh./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				793			
Frequency (MHz)							
10	QPSK	1	0	22.43			24
10	QPSK	1	25	22.32			
10	QPSK	1	49	22.36			
10	QPSK	25	0	22.47			
10	QPSK	25	12	22.45			23.9
10	QPSK	25	25	22.43			
10	QPSK	50	0	22.48			
10	16QAM	1	0	22.70			
10	16QAM	1	25	22.50			23.9
10	16QAM	1	49	22.54			
10	16QAM	25	0	22.15			
10	16QAM	25	12	22.12			22.9
10	16QAM	25	25	22.14			
10	16QAM	50	0	22.17			
10	64QAM	1	0	22.23			
10	64QAM	1	25	22.19			22.9
10	64QAM	1	49	22.23			
10	64QAM	25	0	21.16			
10	64QAM	25	12	21.14			21.9
10	64QAM	25	25	21.13			
10	64QAM	50	0	21.16			
10	256QAM	1	0	19.21			
10	256QAM	1	25	19.14			19.9
10	256QAM	1	49	19.28			
10	256QAM	25	0	19.20			
10	256QAM	25	12	19.11			19.9
10	256QAM	25	25	19.21			
10	256QAM	50	0	19.22			
Channel				2330	2330	2335	Tune-up limit (dBm)
Frequency (MHz)							
5	QPSK	1	0	22.33	22.41	22.42	
5	QPSK	1	12	22.24	22.22	22.32	24
5	QPSK	1	24	22.32	22.33	22.30	
5	QPSK	12	0	22.42	22.45	22.41	
5	QPSK	12	7	22.43	22.41	22.36	23.9
5	QPSK	12	13	22.42	22.33	22.43	
5	QPSK	25	0	22.45	22.48	22.43	
5	16QAM	1	0	22.69	22.69	22.66	
5	16QAM	1	12	22.50	22.40	22.50	23.9
5	16QAM	1	24	22.46	22.21	22.53	
5	16QAM	12	0	22.08	22.09	22.08	
5	16QAM	12	7	22.05	22.05	22.09	22.9
5	16QAM	12	13	22.09	22.09	22.02	
5	16QAM	25	0	22.12	22.16	22.13	
5	64QAM	1	0	22.15	22.20	22.15	
5	64QAM	1	12	22.14	22.12	22.12	22.9
5	64QAM	1	24	22.20	22.17	22.23	
5	64QAM	12	0	21.12	21.11	21.08	
5	64QAM	12	7	21.13	21.13	21.12	21.9
5	64QAM	12	13	21.06	21.12	21.10	
5	64QAM	25	0	21.14	21.11	21.08	
5	256QAM	1	0	19.26	19.24	19.13	
5	256QAM	1	12	19.22	19.09	19.17	19.9
5	256QAM	1	24	19.18	19.00	19.14	
5	256QAM	12	0	19.16	19.13	19.08	
5	256QAM	12	7	19.11	19.15	19.09	19.9
5	256QAM	12	13	19.11	19.14	19.09	
5	256QAM	25	0	19.22	19.16	19.14	

Band 26_Ant 1							
RBW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)
Channel				26705	26660	26665	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.44	23.45	23.42	24.8
15	QPSK	1	37	23.21	23.20	23.14	
15	QPSK	1	74	23.41	23.44	23.36	
15	QPSK	36	0	23.14	23.22	23.14	23.9
15	QPSK	36	20	23.12	23.17	23.14	
15	QPSK	36	39	23.09	23.16	23.14	
15	QPSK	75	0	23.06	23.13	23.10	23.9
15	16QAM	1	0	23.41	23.48	23.48	
15	16QAM	1	37	23.56	23.57	23.53	
15	16QAM	1	74	23.05	23.06	23.07	22.9
15	16QAM	36	0	22.16	22.21	22.19	
15	16QAM	36	20	22.21	22.24	22.14	
15	16QAM	36	39	22.13	22.23	22.13	22.9
15	16QAM	75	0	22.15	22.15	22.10	
15	64QAM	1	0	22.43	22.43	22.42	
15	64QAM	1	37	22.33	22.43	22.39	21.9
15	64QAM	1	74	22.56	22.61	22.61	
15	64QAM	36	0	21.21	21.25	21.19	
15	64QAM	36	20	21.16	21.26	21.24	19.9
15	64QAM	36	39	21.22	21.26	21.25	
15	64QAM	75	0	21.06	21.15	21.11	
15	256QAM	1	0	19.37	19.24	19.30	19.9
15	256QAM	1	37	19.35	19.42	19.12	
15	256QAM	1	74	19.55	19.28	19.08	
15	256QAM	36	0	19.41	19.29	19.40	19.9
15	256QAM	36	20	19.33	19.26	19.08	
15	256QAM	36	39	19.27	19.18	19.13	
15	256QAM	75	0	19.24	19.16	19.14	
Channel				27160	27060	27060	
Frequency (MHz)				819	831.5	841	
10	QPSK	1	0	23.42	23.36	23.36	24.8
10	QPSK	1	25	23.13	23.23	23.11	
10	QPSK	1	49	23.35	23.37	23.34	
10	QPSK	25	0	23.07	23.15	23.14	23.9
10	QPSK	25	12	23.03	23.09	23.04	
10	QPSK	25	25	23.07	23.13	23.04	
10	QPSK	50	0	23.00	23.09	23.11	23.9
10	16QAM	1	0	23.33	23.45	23.46	
10	16QAM	1	25	23.48	23.54	23.51	
10	16QAM	1	49	23.55	23.56	23.58	22.9
10	16QAM	25	0	22.15	22.13	22.16	
10	16QAM	25	12	22.19	22.20	22.11	
10	16QAM	25	25	22.05	22.13	22.04	22.9
10	16QAM	50	0	22.10	22.09	22.07	
10	64QAM	1	0	22.34	22.43	22.32	
10	64QAM	1	25	22.30	22.41	22.33	21.9
10	64QAM	1	49	22.55	22.59	22.50	
10	64QAM	25	0	21.18	21.23	21.19	
10	64QAM	25	12	21.13	21.17	21.09	21.9
10	64QAM	25	25	21.12	21.17	21.15	
10	64QAM	50	0	21.06	21.11	21.11	
10	256QAM	1	0	19.43	19.28	19.27	19.9
10	256QAM	1	25	19.36	19.41	19.10	
10	256QAM	1	49	19.62	19.34	19.13	
10	256QAM	25	0	19.40	19.21	19.39	19.9
10	256QAM	25	12	19.26	19.20	19.08	
10	256QAM	25	25	19.27	19.28	19.08	
10	256QAM	50	0	19.28	19.17	19.13	
Channel				26715	26660	27015	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.39	23.37	23.41	24.8
5	QPSK	1	12	23.13	23.20	23.14	
5	QPSK	1	24	23.38	23.36	23.36	
5	QPSK	12	0	23.09	23.16	23.06	23.9
5	QPSK	12	7	23.09	23.07	23.06	
5	QPSK	12	13	23.07	23.09	23.12	
5	QPSK	25	0	23.00	23.09	23.10	23.9
5	16QAM	1	0	23.31	23.39	23.46	
5	16QAM	1	12	23.41	23.54	23.44	
5	16QAM	1	24	23.55	23.61	23.52	22.9
5	16QAM	12	0	22.11	22.17	22.13	
5	16QAM	12	7	22.18	22.19	22.11	
5	16QAM	12	13	22.12	22.17	22.06	22.9
5	16QAM	25	0	22.05	22.13	22.10	
5	64QAM	1	0	22.38	22.24	22.40	
5	64QAM	1	12	22.23	22.41	22.33	21.9
5	64QAM	1	24	22.52	22.51	22.50	
5	64QAM	12	0	21.12	21.15	21.11	
5	64QAM	12	7	21.11	21.26	21.22	21.9
5	64QAM	12	13	21.14	21.21	21.23	
5	64QAM	25	0	21.00	21.06	21.06	
5	256QAM	1	0	19.38	19.30	19.25	19.9
5	256QAM	1	12	19.40	19.42	19.11	
5	256QAM	1	24	19.59	19.35	19.05	
5	256QAM	12	0	19.41	19.20	19.30	19.9
5	256QAM	12	7	19.35	19.22	19.10	
5	256QAM	12	13	19.27	19.28	19.07	
5	256QAM	25	0	19.24	19.19	19.10	
Channel				26705	26660	27025	
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.42	23.26	23.34	24.8
3	QPSK	1	8	23.14	23.15	23.06	
3	QPSK	1	14	23.39	23.39	23.29	
3	QPSK	8	0	23.04	23.17	23.07	23.9
3	QPSK	8	4	23.10	23.13	23.10	
3	QPSK	8	7	23.03	23.06	23.06	
3	QPSK	15	0	22.98	23.13	23.10	23.9
3	16QAM	1	0	23.33	23.39	23.46	
3	16QAM	1	8	23.44	23.50	23.51	
3	16QAM	1	14	23.61	23.64	23.52	22.9
3	16QAM	8	0	22.14	22.18	22.16	
3	16QAM	8	4	22.15	22.20	22.14	
3	16QAM	8	7	22.18	22.20	22.11	22.9
3	16QAM	15	0	22.11	22.13	22.02	
3	64QAM	1	0	22.35	22.34	22.42	
3	64QAM	1	8	22.28	22.40	22.38	21.9
3	64QAM	1	14	22.51	22.54	22.47	
3	64QAM	8	0	21.18	21.25	21.18	
3	64QAM	8	4	21.07	21.26	21.23	21.9
3	64QAM	8	7	21.18	21.24	21.16	
3	64QAM	15	0	21.06	21.07	21.09	
3	256QAM	1	0	19.37	19.30	19.28	19.9
3	256QAM	1	8	19.33	19.41	19.15	
3	256QAM	1	14	19.53	19.40	19.13	
3	256QAM	8	0	19.38	19.21	19.33	19.9
3	256QAM	8	4	19.31	19.21	19.09	
3	256QAM	8	7	19.25	19.27	19.13	
3	256QAM	15	0	19.26	19.23	19.03	
Channel				26670	26660	27030	
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.29	23.37	23.27	24.8
1.4	QPSK	1	3	23.29	23.37	23.31	
1.4	QPSK	1	8	23.30	23.38	23.37	
1.4	QPSK	3	0	23.33	23.34	23.24	23.9
1.4	QPSK	3	1	23.33	23.38	23.30	
1.4	QPSK	3	3	23.31	23.35	23.29	
1.4	QPSK	6	0	23.02	23.10	23.04	23.9
1.4	16QAM	1	0	23.28	23.32	23.24	
1.4	16QAM	1	3	23.35	23.40	23.35	
1.4	16QAM	1	5	23.42	23.43	23.38	23.9
1.4	16QAM	3	0	22.21	23.21	23.18	
1.4	16QAM	3	1	23.18	23.22	23.22	
1.4	16QAM	3	3	23.21	23.25	23.16	22.9
1.4	16QAM	6	0	22.11	22.17	22.11	
1.4	64QAM	1	0	22.29	22.29	22.29	
1.4	64QAM	1	3	22.26	22.38	22.31	22.9
1.4	64QAM	1	5	22.29	22.27	22.29	
1.4	64QAM	3	0	22.08	22.16	22.16	
1.4	64QAM	3	1	22.24	22.31	22.25	21.9
1.4	64QAM	3	3	22.24	22.25	22.20	
1.4	64QAM	6	0	21.07	21.16	21.16	
1.4	256QAM	1	0	19.43	19.33	19.29	19.9
1.4	256QAM	1	3	19.39	19.39	19.11	
1.4	256QAM	1	5	19.51	19.32	19.10	
1.4	256QAM	3	0	19.37	19.29	19.33	19.9
1.4	256QAM	3	1	19.32	19.25	19.06	
1.4	256QAM	3	3	19.21	19.23	19.06	
1.4	256QAM	6	0	19.29	19.15	19.10	



Band 5_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	
Channel				829	836.5	844		
Frequency (MHz)								
10	QPSK	1	0	23.51	23.48	23.45		24.2
10	QPSK	1	25	23.36	23.34	23.37		
10	QPSK	1	49	23.43	23.39	23.33		
10	QPSK	25	0	23.27	23.19	23.17		
10	QPSK	25	12	23.24	23.17	23.23		23.7
10	QPSK	25	25	23.21	23.18	23.17		
10	QPSK	50	0	23.24	23.22	23.22		
10	16QAM	1	0	23.45	23.49	23.42		23.7
10	16QAM	1	25	23.43	23.41	23.41		
10	16QAM	1	49	23.34	23.42	23.38		
10	16QAM	25	0	22.26	22.19	22.21		
10	16QAM	25	12	22.25	22.18	22.24		22.7
10	16QAM	25	25	22.23	22.16	22.20		
10	16QAM	50	0	22.27	22.24	22.19		
10	64QAM	1	0	22.38	22.28	22.32		22.7
10	64QAM	1	25	22.37	22.27	22.27		
10	64QAM	1	49	22.57	22.27	22.27		
10	64QAM	25	0	21.27	21.18	21.17		21.7
10	64QAM	25	12	21.26	21.18	21.18		
10	64QAM	25	25	21.23	21.18	21.21		
10	64QAM	50	0	21.30	21.24	21.23		
10	256QAM	1	0	19.16	19.36	19.33		19.7
10	256QAM	1	25	19.19	19.10	19.13		
10	256QAM	1	49	19.47	19.13	19.26		
10	256QAM	25	0	19.21	19.18	19.17		
10	256QAM	25	12	19.24	19.22	19.12		19.7
10	256QAM	25	25	19.22	19.17	19.11		
10	256QAM	50	0	19.31	19.21	19.16		Turn-up limit (dBm)
Channel				826.5	830.5	840.5		
Frequency (MHz)								
5	QPSK	1	0	23.43	23.46	23.42		24.2
5	QPSK	1	12	23.28	23.23	23.19		
5	QPSK	1	24	23.43	23.39	23.30		
5	QPSK	12	0	23.27	23.12	23.07		23.7
5	QPSK	12	7	23.24	23.13	23.21		
5	QPSK	12	13	23.11	23.13	23.08		
5	QPSK	25	0	23.17	23.16	23.18		
5	16QAM	1	0	23.36	23.46	23.35		23.7
5	16QAM	1	12	23.42	23.37	23.31		
5	16QAM	1	24	23.53	23.38	23.37		
5	16QAM	12	0	22.24	22.24	22.14		22.7
5	16QAM	12	7	22.23	22.15	22.20		
5	16QAM	12	13	22.22	22.08	22.18		
5	16QAM	25	0	22.24	22.16	22.11		
5	16QAM	1	0	22.38	22.25	22.27		22.7
5	64QAM	1	12	22.34	22.22	22.20		
5	64QAM	1	24	22.49	22.27	22.39		
5	64QAM	12	0	21.18	21.15	21.15		21.7
5	64QAM	12	7	21.22	21.10	21.18		
5	64QAM	12	13	21.21	21.17	21.20		
5	64QAM	25	0	21.29	21.22	21.14		
5	256QAM	1	0	19.21	19.33	19.28		19.7
5	256QAM	1	12	19.22	19.10	19.14		
5	256QAM	1	24	19.51	19.17	19.31		
5	256QAM	12	0	19.25	19.22	19.08		19.7
5	256QAM	12	7	19.27	19.18	19.18		
5	256QAM	12	13	19.26	19.22	19.10		
5	256QAM	25	0	19.31	19.18	19.18		Turn-up limit (dBm)
Channel				20415	20525	20635		
Frequency (MHz)								
3	QPSK	1	0	23.51	23.42	23.45		24.2
3	QPSK	1	8	23.25	23.16	23.27		
3	QPSK	1	14	23.39	23.38	23.25		
3	QPSK	8	0	23.20	23.16	23.12		23.7
3	QPSK	8	4	23.20	23.07	23.18		
3	QPSK	8	7	23.13	23.15	23.15		
3	QPSK	15	0	23.15	23.14	23.21		
3	16QAM	1	0	23.44	23.39	23.39		23.7
3	16QAM	1	8	23.36	23.31	23.41		
3	16QAM	1	14	23.45	23.35	23.41		
3	16QAM	8	0	22.18	22.17	22.15		22.7
3	16QAM	8	4	22.21	22.11	22.23		
3	16QAM	8	7	22.16	22.10	22.20		
3	16QAM	15	0	22.18	22.14	22.13		
3	64QAM	1	0	22.37	22.24	22.24		22.7
3	64QAM	1	8	22.31	22.29	22.22		
3	64QAM	1	14	22.47	22.22	22.44		
3	64QAM	8	0	21.17	21.13	21.11		21.7
3	64QAM	8	4	21.26	21.16	21.16		
3	64QAM	8	7	21.23	21.13	21.15		
3	64QAM	15	0	21.26	21.18	21.16		
3	256QAM	1	0	19.22	19.32	19.35		19.7
3	256QAM	1	8	19.23	19.09	19.16		
3	256QAM	1	14	19.02	19.11	19.33		
3	256QAM	8	0	19.29	19.18	19.11		19.7
3	256QAM	8	4	19.27	19.14	19.13		
3	256QAM	8	7	19.25	19.19	19.14		
3	256QAM	15	0	19.28	19.24	19.15		Turn-up limit (dBm)
Channel				824.7	830.5	840.3		
Frequency (MHz)								
1.4	QPSK	1	0	23.34	23.38	23.31		24.2
1.4	QPSK	1	3	23.26	23.33	23.26		
1.4	QPSK	1	5	23.34	23.38	23.30		
1.4	QPSK	3	0	23.28	23.30	23.31		23.7
1.4	QPSK	3	1	23.39	23.43	23.41		
1.4	QPSK	3	3	23.27	23.36	23.26		
1.4	QPSK	6	0	23.09	23.12	23.03		23.7
1.4	16QAM	1	0	23.29	23.35	23.35		
1.4	16QAM	1	3	23.24	23.29	23.24		23.7
1.4	16QAM	1	5	23.30	23.37	23.30		
1.4	16QAM	3	0	23.13	23.15	23.07		
1.4	16QAM	3	1	23.12	23.20	23.19		
1.4	16QAM	3	3	23.09	23.19	23.16		22.7
1.4	16QAM	6	0	22.06	22.14	22.14		
1.4	64QAM	1	0	22.21	22.29	22.29		22.7
1.4	64QAM	1	3	22.19	22.24	22.24		
1.4	64QAM	1	5	22.13	22.22	22.16		
1.4	64QAM	3	0	22.06	22.15	22.13		
1.4	64QAM	3	1	22.21	22.23	22.22		21.7
1.4	64QAM	3	3	22.12	22.19	22.10		
1.4	64QAM	6	0	20.36	21.08	21.04		21.7
1.4	256QAM	1	0	19.16	19.31	19.26		
1.4	256QAM	1	3	19.22	19.09	19.15		
1.4	256QAM	1	5	19.45	19.10	19.22		19.7
1.4	256QAM	3	0	19.25	19.19	19.12		
1.4	256QAM	3	1	19.22	19.15	19.14		
1.4	256QAM	3	3	19.28	19.20	19.19		
1.4	256QAM	6	0	19.28	19.19	19.14		19.7



Band 13_Ant 1							
BW (MHz)	Modulate	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				752			
Frequency (MHz)							
10	QPSK	1	0	22.12			22.4
10	QPSK	1	25	22.11			
10	QPSK	1	49	22.11			
10	QPSK	25	0	22.16			22.4
10	QPSK	25	12	22.11			
10	QPSK	25	25	22.11			
10	QPSK	50	0	22.21			22.4
10	16QAM	1	0	22.37			
10	16QAM	1	25	22.40			
10	16QAM	1	49	22.40			22.4
10	16QAM	25	0	22.18			
10	16QAM	25	12	22.14			
10	16QAM	25	25	22.16			22.4
10	16QAM	50	0	22.23			
10	64QAM	1	0	22.27			
10	64QAM	1	25	22.17			22.4
10	64QAM	1	49	22.26			
10	64QAM	25	0	21.18			
10	64QAM	25	12	21.14			21.9
10	64QAM	25	25	21.15			
10	64QAM	50	0	21.20			
10	256QAM	1	0	17.01			17.4
10	256QAM	1	25	17.08			
10	256QAM	1	49	17.10			
10	256QAM	25	0	17.14			17.4
10	256QAM	25	12	17.13			
10	256QAM	25	25	17.10			
10	256QAM	50	0	17.15			
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	22.10	22.03	22.05	22.4
5	QPSK	1	12	21.93	21.87	21.95	
5	QPSK	1	24	22.06	22.07	22.00	
5	QPSK	12	0	22.12	22.11	22.16	22.4
5	QPSK	12	7	22.03	22.09	22.02	
5	QPSK	12	13	22.01	22.08	22.11	
5	QPSK	25	0	22.15	22.17	22.21	22.4
5	16QAM	1	0	22.29	22.28	22.31	
5	16QAM	1	12	22.40	22.36	22.31	
5	16QAM	1	24	22.36	22.28	22.32	22.4
5	16QAM	12	0	22.16	22.13	22.14	
5	16QAM	12	7	22.05	22.11	22.12	
5	16QAM	12	13	22.15	22.14	22.08	22.4
5	16QAM	25	0	22.16	22.20	22.13	
5	64QAM	1	0	22.26	22.27	22.26	
5	64QAM	1	12	22.10	22.10	22.16	22.4
5	64QAM	1	24	22.17	22.25	22.25	
5	64QAM	12	0	21.16	21.12	21.18	
5	64QAM	12	7	21.10	21.06	21.09	21.9
5	64QAM	12	13	21.15	21.09	21.06	
5	64QAM	25	0	21.13	21.11	21.10	
5	256QAM	1	0	17.10	17.10	17.18	17.4
5	256QAM	1	12	17.26	17.19	17.12	
5	256QAM	1	24	17.26	17.10	17.08	
5	256QAM	12	0	17.07	17.04	17.14	17.4
5	256QAM	12	7	17.13	17.16	17.12	
5	256QAM	12	13	17.20	17.11	17.11	
5	256QAM	25	0	17.09	17.08	17.07	



Band 14_Ant 1							
BW (MHz)	Modulate	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				793			
Frequency (MHz)							
10	QPSK	1	0	22.43			22.8
10	QPSK	1	25	22.32			
10	QPSK	1	49	22.36			
10	QPSK	25	0	22.47			22.8
10	QPSK	25	12	22.45			
10	QPSK	25	25	22.43			
10	QPSK	50	0	22.48			22.8
10	16QAM	1	0	22.70			
10	16QAM	1	25	22.50			
10	16QAM	1	49	22.54			22.8
10	16QAM	25	0	22.15			
10	16QAM	25	12	22.12			
10	16QAM	25	25	22.14			22.8
10	16QAM	50	0	22.17			
10	64QAM	1	0	22.23			
10	64QAM	1	25	22.19			22.8
10	64QAM	1	49	22.23			
10	64QAM	25	0	21.16			
10	64QAM	25	12	21.14			21.8
10	64QAM	25	25	21.13			
10	64QAM	50	0	21.16			
10	256QAM	1	0	19.21			19.8
10	256QAM	1	25	19.14			
10	256QAM	1	49	19.28			
10	256QAM	25	0	19.20			19.8
10	256QAM	25	12	19.11			
10	256QAM	25	25	19.21			
10	256QAM	50	0	19.22			
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)							
5	QPSK	1	0	22.33	22.41	22.42	22.8
5	QPSK	1	12	22.24	22.22	22.32	
5	QPSK	1	24	22.32	22.33	22.30	
5	QPSK	12	0	22.42	22.45	22.41	22.8
5	QPSK	12	7	22.43	22.41	22.36	
5	QPSK	12	13	22.42	22.33	22.43	
5	QPSK	25	0	22.43	22.48	22.43	22.8
5	16QAM	1	0	22.69	22.69	22.66	
5	16QAM	1	12	22.50	22.40	22.50	
5	16QAM	1	24	22.46	22.21	22.53	22.8
5	16QAM	12	0	22.08	22.09	22.08	
5	16QAM	12	7	22.05	22.05	22.09	
5	16QAM	12	13	22.09	22.09	22.02	22.8
5	16QAM	25	0	22.12	22.16	22.13	
5	64QAM	1	0	22.15	22.20	22.15	
5	64QAM	1	12	22.14	22.12	22.12	22.8
5	64QAM	1	24	22.20	22.17	22.23	
5	64QAM	12	0	21.12	21.11	21.08	
5	64QAM	12	7	21.13	21.13	21.12	21.8
5	64QAM	12	13	21.06	21.12	21.10	
5	64QAM	25	0	21.14	21.11	21.08	
5	256QAM	1	0	19.26	19.24	19.13	19.8
5	256QAM	1	12	19.22	19.09	19.17	
5	256QAM	1	24	19.18	19.00	19.14	
5	256QAM	12	0	19.16	19.13	19.08	19.8
5	256QAM	12	7	19.11	19.15	19.09	
5	256QAM	12	13	19.11	19.14	19.09	
5	256QAM	25	0	19.22	19.16	19.14	



Band 26_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)			
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.				
Channel				26705	26865	26965				
Frequency (MHz)				815.5	831.5	847.5				
15	QPSK	1	0	23.44	23.45	23.42	23.6			
15	QPSK	1	37	23.21	23.23	23.14				
15	QPSK	1	74	23.41	23.44	23.36				
15	QPSK	36	0	23.14	23.22	23.14	23.6			
15	QPSK	36	20	23.12	23.17	23.14				
15	QPSK	36	39	23.09	23.16	23.14				
15	QPSK	75	0	23.06	23.13	23.10	23.6			
15	16QAM	1	0	23.41	23.48	23.48				
15	16QAM	1	37	23.50	23.67	23.53				
15	16QAM	1	74	23.59	23.99	22.95	22.9			
15	16QAM	36	0	22.16	22.21	22.19				
15	16QAM	36	20	22.21	22.24	22.14				
15	16QAM	36	39	22.13	22.23	22.13	22.9			
15	16QAM	75	0	22.15	22.15	22.10				
15	16QAM	1	0	22.43	22.43	22.42				
15	64QAM	1	37	22.33	22.43	22.39	22.9			
15	64QAM	1	74	22.56	22.61	22.61				
15	64QAM	36	0	21.21	21.25	21.19				
15	64QAM	36	20	21.16	21.26	21.24	21.9			
15	64QAM	36	39	21.22	21.26	21.25				
15	64QAM	75	0	21.08	21.15	21.11				
15	256QAM	1	0	19.37	19.24	19.30	19.9			
15	256QAM	1	37	19.35	19.42	19.12				
15	256QAM	1	74	19.55	19.38	19.08				
15	256QAM	36	0	19.41	19.29	19.40	19.9			
15	256QAM	36	20	19.33	19.26	19.08				
15	256QAM	36	39	19.27	19.18	19.13				
15	256QAM	75	0	19.24	19.16	19.14	19.9			
Channel				26705	26865	27025				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	23.42	23.36	23.36	23.6			
10	QPSK	1	25	23.13	23.23	23.11				
10	QPSK	1	49	23.36	23.37	23.34				
10	QPSK	25	0	23.07	23.15	23.14	23.6			
10	QPSK	25	12	23.03	23.09	23.04				
10	QPSK	25	25	23.07	23.13	23.04				
10	QPSK	50	0	23.00	23.08	23.01	23.6			
10	16QAM	1	0	23.33	23.45	23.45				
10	16QAM	1	25	23.48	23.54	23.51				
10	16QAM	1	49	23.55	23.66	23.58	22.9			
10	16QAM	25	0	22.15	22.18	22.18				
10	16QAM	25	12	22.19	22.20	22.11				
10	16QAM	25	25	22.05	22.13	22.04	22.9			
10	16QAM	50	0	22.10	22.09	22.07				
10	64QAM	1	0	22.34	22.43	22.32				
10	64QAM	1	25	22.30	22.41	22.33	21.9			
10	64QAM	1	49	22.55	22.59	22.50				
10	64QAM	25	0	21.15	21.23	21.19				
10	64QAM	25	12	21.13	21.37	21.30	21.9			
10	64QAM	25	25	21.12	21.17	21.15				
10	64QAM	50	0	21.08	21.11	21.11				
10	256QAM	1	0	19.43	19.28	19.27	19.9			
10	256QAM	1	25	19.36	19.41	19.10				
10	256QAM	1	49	19.52	19.34	19.13				
10	256QAM	25	0	19.40	19.21	19.39	19.9			
10	256QAM	25	12	19.26	19.25	19.08				
10	256QAM	25	25	19.27	19.28	19.08				
10	256QAM	50	0	19.28	19.17	19.13	19.9			
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.2	846.5				
5	QPSK	1	0	23.30	23.37	23.41	23.6			
5	QPSK	1	12	23.13	23.20	23.14				
5	QPSK	1	24	23.38	23.36	23.36				
5	QPSK	12	0	23.09	23.19	23.08	23.6			
5	QPSK	12	7	23.09	23.07	23.09				
5	QPSK	12	13	23.07	23.09	23.12				
5	QPSK	25	0	23.00	23.09	23.10	23.6			
5	16QAM	1	0	23.31	23.39	23.45				
5	16QAM	1	12	23.41	23.54	23.44				
5	16QAM	1	24	23.55	23.59	23.52	22.9			
5	16QAM	12	0	22.11	22.17	22.13				
5	16QAM	12	7	22.19	22.15	22.11				
5	16QAM	12	13	22.12	22.17	22.06	22.9			
5	16QAM	25	0	22.06	22.13	22.10				
5	64QAM	1	0	22.38	22.34	22.40				
5	64QAM	1	12	22.23	22.41	22.33	21.9			
5	64QAM	1	24	22.52	22.51	22.50				
5	64QAM	12	0	21.12	21.15	21.11				
5	64QAM	12	7	21.11	21.26	21.22	21.9			
5	64QAM	12	13	21.14	21.21	21.23				
5	64QAM	25	0	21.00	21.08	21.05				
5	256QAM	1	0	19.38	19.30	19.25	19.9			
5	256QAM	1	12	19.40	19.42	19.11				
5	256QAM	1	24	19.59	19.35	19.05				
5	256QAM	12	0	19.41	19.20	19.39	19.9			
5	256QAM	12	7	19.35	19.22	19.10				
5	256QAM	12	13	19.27	19.26	19.07				
5	256QAM	25	0	19.24	19.19	19.10	19.9			
Channel				26705	26865	27025				
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	23.42	23.35	23.34	23.6			
3	QPSK	1	8	23.14	23.16	23.05				
3	QPSK	1	14	23.39	23.39	23.29				
3	QPSK	8	0	23.04	23.17	23.07	23.6			
3	QPSK	8	4	23.10	23.13	23.10				
3	QPSK	8	7	23.03	23.06	23.06				
3	QPSK	15	0	22.98	23.13	23.10	23.6			
3	16QAM	1	0	23.33	23.39	23.45				
3	16QAM	1	8	23.44	23.30	23.51				
3	16QAM	1	14	23.58	23.59	23.52	22.9			
3	16QAM	8	0	22.14	22.18	22.16				
3	16QAM	8	4	22.15	22.20	22.14				
3	16QAM	8	7	22.13	22.26	22.11	22.9			
3	16QAM	15	0	22.11	22.13	22.02				
3	64QAM	1	0	22.35	22.34	22.42				
3	64QAM	1	8	22.28	22.40	22.38	21.9			
3	64QAM	1	14	22.51	23.54	22.47				
3	64QAM	8	0	21.18	21.25	21.18				
3	64QAM	8	4	21.07	21.26	21.23	21.9			
3	64QAM	8	7	21.18	21.24	21.16				
3	64QAM	15	0	21.06	21.07	21.03				
3	256QAM	1	0	19.37	19.30	19.28	19.9			
3	256QAM	1	8	19.33	19.41	19.15				
3	256QAM	1	14	19.53	19.40	19.13				
3	256QAM	8	0	19.38	19.21	19.33	19.9			
3	256QAM	8	4	19.31	19.21	19.09				
3	256QAM	8	7	19.25	19.27	19.13				
3	256QAM	15	0	19.26	19.23	19.03	19.9			
Channel				26907	26965	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	23.29	23.37	23.27	23.6			
1.4	QPSK	1	3	23.29	23.37	23.31				
1.4	QPSK	1	5	23.30	23.38	23.37				
1.4	QPSK	3	0	23.33	23.34	23.24	23.6			
1.4	QPSK	3	1	23.33	23.38	23.30				
1.4	QPSK	3	3	23.31	23.35	23.29				
1.4	QPSK	6	0	23.02	23.10	23.04	23.6			
1.4	16QAM	1	0	23.28	23.32	23.24				
1.4	16QAM	1	3	23.35	23.40	23.35				
1.4	16QAM	1	5	23.42	23.43	23.38	23.6			
1.4	16QAM	3	0	22.21	22.21	22.18				
1.4	16QAM	3	1	23.18	23.22	23.22				
1.4	16QAM	3	3	23.21	23.25	23.16	22.9			
1.4	16QAM	6	0	22.11	22.17	22.11				
1.4	64QAM	1	0	22.29	22.29	22.29				
1.4	64QAM	1	3	22.26	22.36	22.31	22.9			
1.4	64QAM	1	5	22.26	22.27	22.20				
1.4	64QAM	3	0	22.08	22.16	22.16				
1.4	64QAM	3	1	22.24	22.31	22.25	21.9			
1.4	64QAM	3	3	22.24	22.25	22.20				
1.4	64QAM	6	0	21.07	21.16	21.16				
1.4	256QAM	1	0	19.43	19.33	19.28	19.9			
1.4	256QAM	1	3	19.39	19.39	19.11				
1.4	256QAM	1	5	19.51	19.32	19.10				
1.4	256QAM	3	0	19.37	19.29	19.33	19.9			
1.4	256QAM	3	1	19.32	19.29	19.08				
1.4	256QAM	3	3	19.21	19.23	19.08				
1.4	256QAM	6	0	19.29	19.15	19.10	19.9			



Band 71_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 100	Power Middle Ch. Freq. 6830	Power High Ch. Freq. -100	Tune-up loss (dBm)
Channel							
Frequency (MHz)							
20	QPSK	1	0	23.16	23.19	23.10	23.9
20	QPSK	1	49	23.06	23.10	23.09	
20	QPSK	1	99	23.15	23.15	23.15	
20	QPSK	50	0	22.94	22.97	22.94	
20	QPSK	50	24	22.90	22.94	22.86	23.9
20	QPSK	50	99	22.97	22.89	22.85	
20	QPSK	100	0	22.83	22.92	22.86	
20	16QAM	1	0	23.12	23.18	23.18	
20	16QAM	1	49	23.12	23.13	23.11	23.9
20	16QAM	1	99	23.20	23.27	23.24	
20	16QAM	50	0	21.88	21.94	21.90	
20	16QAM	50	24	21.90	21.94	21.93	
20	16QAM	50	99	21.88	21.92	21.86	22.9
20	16QAM	100	0	21.85	21.90	21.82	
20	16QAM	1	0	22.11	22.21	22.21	
20	16QAM	1	49	22.12	22.13	22.12	
20	16QAM	1	99	22.15	22.24	22.21	21.9
20	16QAM	50	0	20.85	20.95	20.92	
20	16QAM	50	24	20.84	20.92	20.90	
20	16QAM	50	99	20.83	20.93	20.86	
20	16QAM	100	0	20.86	20.90	20.84	19.9
20	256QAM	1	0	19.35	19.14	19.00	
20	256QAM	1	49	19.22	19.03	18.96	
20	256QAM	1	99	19.04	19.00	18.84	
20	256QAM	50	0	19.15	19.16	19.02	19.9
20	256QAM	50	24	19.12	19.03	18.90	
20	256QAM	50	99	19.01	18.98	18.96	
20	256QAM	100	0	19.07	19.06	18.96	
Channel							
Frequency (MHz)							
15	QPSK	1	0	23.12	23.12	23.01	23.9
15	QPSK	1	37	23.05	23.08	22.99	
15	QPSK	1	74	23.12	23.09	23.15	
15	QPSK	36	0	22.84	22.91	22.91	
15	QPSK	36	20	22.81	22.85	22.77	23.9
15	QPSK	36	39	22.82	22.83	22.75	
15	QPSK	74	0	22.83	22.85	22.83	
15	16QAM	1	0	23.04	23.09	23.11	
15	16QAM	1	37	23.03	23.09	23.09	23.9
15	16QAM	1	74	23.10	23.26	23.23	
15	16QAM	36	0	21.83	21.88	21.81	
15	16QAM	36	20	21.83	21.92	21.85	
15	16QAM	36	39	21.81	21.92	21.86	22.9
15	16QAM	75	0	21.82	21.82	21.72	
15	16QAM	1	0	22.08	22.15	22.13	
15	16QAM	1	37	22.12	22.03	22.11	
15	16QAM	1	74	22.12	22.23	22.11	21.9
15	16QAM	36	0	20.86	20.94	20.90	
15	16QAM	36	20	20.80	20.91	20.83	
15	16QAM	36	39	20.83	20.83	20.86	
15	16QAM	75	0	20.76	20.85	20.80	19.9
15	256QAM	1	0	19.37	19.17	19.01	
15	256QAM	1	37	19.25	19.06	18.91	
15	256QAM	1	74	18.97	19.03	18.81	
15	256QAM	36	0	19.16	19.15	19.01	19.9
15	256QAM	36	20	19.14	19.02	19.00	
15	256QAM	36	39	19.04	18.98	18.90	
15	256QAM	75	0	19.14	18.98	18.96	
Channel							
Frequency (MHz)							
10	QPSK	1	0	23.07	23.12	23.00	23.9
10	QPSK	1	25	23.03	23.05	23.09	
10	QPSK	1	49	23.07	23.07	23.10	
10	QPSK	25	0	22.94	22.95	22.91	
10	QPSK	25	12	22.80	22.89	22.79	23.9
10	QPSK	25	25	22.78	22.88	22.83	
10	QPSK	50	0	22.77	22.88	22.76	
10	16QAM	1	0	23.11	23.08	23.12	
10	16QAM	1	25	23.05	23.04	23.11	23.9
10	16QAM	1	49	23.14	23.21	23.20	
10	16QAM	25	0	21.85	21.90	21.90	
10	16QAM	25	12	21.86	21.94	21.92	
10	16QAM	25	25	21.82	21.83	21.84	22.9
10	16QAM	50	0	21.84	21.85	21.79	
10	16QAM	1	0	22.04	22.19	22.16	
10	16QAM	1	25	22.04	22.04	22.11	
10	16QAM	1	49	22.08	22.24	22.13	21.9
10	16QAM	25	0	20.82	20.89	20.90	
10	16QAM	25	12	20.75	20.83	20.83	
10	16QAM	25	25	20.80	20.83	20.84	
10	16QAM	50	0	20.78	20.90	20.76	19.9
10	256QAM	1	0	19.28	19.13	18.98	
10	256QAM	1	25	19.21	19.04	18.94	
10	256QAM	1	49	19.07	19.05	18.78	
10	256QAM	25	0	19.14	19.22	19.09	19.9
10	256QAM	25	12	19.15	18.88	18.84	
10	256QAM	25	25	19.01	18.92	18.89	
10	256QAM	50	0	19.08	18.99	18.91	
Channel							
Frequency (MHz)							
5	QPSK	1	0	23.16	23.13	23.06	23.9
5	QPSK	1	12	22.98	23.06	23.01	
5	QPSK	1	24	23.05	23.05	23.15	
5	QPSK	12	0	22.89	22.96	22.88	
5	QPSK	12	7	22.85	22.84	22.77	23.9
5	QPSK	12	13	22.78	22.79	22.79	
5	QPSK	25	0	22.77	22.84	22.76	
5	16QAM	1	0	23.07	23.17	23.18	
5	16QAM	1	12	23.06	23.08	23.08	23.9
5	16QAM	1	24	23.16	23.22	23.17	
5	16QAM	12	0	21.79	21.90	21.90	
5	16QAM	12	7	21.85	21.90	21.87	
5	16QAM	12	13	21.86	21.83	21.81	22.9
5	16QAM	25	0	21.79	21.84	21.79	
5	16QAM	1	0	22.03	22.14	22.12	
5	16QAM	1	12	22.08	22.05	22.02	
5	16QAM	1	24	22.07	22.18	22.12	21.9
5	16QAM	12	0	20.85	20.85	20.89	
5	16QAM	12	7	20.83	20.83	20.90	
5	16QAM	12	13	20.79	20.85	20.80	
5	16QAM	25	0	20.79	20.84	20.82	19.9
5	256QAM	1	0	19.28	19.11	18.95	
5	256QAM	1	12	19.29	18.99	18.95	
5	256QAM	1	24	18.99	19.02	18.81	
5	256QAM	12	0	19.13	19.23	19.04	19.9
5	256QAM	12	7	19.15	19.01	18.93	
5	256QAM	12	13	19.11	18.95	18.96	
5	256QAM	25	0	19.11	19.03	18.90	



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	24.06	24.07	24.04	24.9
20	PI/2 BPSK	1	53	24.20	24.19	24.17	
20	PI/2 BPSK	1	104	24.00	23.99	23.97	
20	PI/2 BPSK	50	0	23.99	23.97	23.96	24.4
20	PI/2 BPSK	50	28	24.08	24.06	24.04	24.9
20	PI/2 BPSK	50	56	23.95	23.93	23.92	24.4
20	PI/2 BPSK	100	0	23.96	23.95	23.94	
20	QPSK	1	1	24.08	24.06	24.04	24.9
20	QPSK	1	53	24.15	24.12	24.11	
20	QPSK	1	104	24.01	23.99	23.97	
20	QPSK	50	0	23.51	23.47	23.45	23.9
20	QPSK	50	28	24.08	24.06	24.05	24.9
20	QPSK	50	56	23.45	23.43	23.41	23.9
20	QPSK	100	0	23.45	23.45	23.44	
20	16QAM	1	1	23.45	23.44	23.42	23.9
20	64QAM	1	1	22.02	22.00	21.99	22.4
20	256QAM	1	1	19.85	19.84	19.82	20.4
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	24.12	24.08	24.04	24.9
Channel				168800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	24.16	24.09	24.02	24.9
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.17	24.09	24.00	24.9



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	23.95	23.94	23.93	24.9
15	PI/2 BPSK	1	40	23.82	23.82	23.81	
15	PI/2 BPSK	1	77	23.84	23.82	23.81	
15	PI/2 BPSK	36	0	23.82	23.80	23.78	24.4
15	PI/2 BPSK	36	22	23.90	23.87	23.89	24.9
15	PI/2 BPSK	36	43	23.77	23.73	23.72	24.4
15	PI/2 BPSK	75	0	23.80	23.76	23.78	
15	QPSK	1	1	23.94	23.92	23.91	24.9
15	QPSK	1	40	23.82	23.81	23.80	
15	QPSK	1	77	23.83	23.82	23.81	
15	QPSK	36	0	23.31	23.28	23.27	23.9
15	QPSK	36	22	23.90	23.87	23.87	24.9
15	QPSK	36	43	23.25	23.23	23.21	23.9
15	QPSK	75	0	23.28	23.25	23.25	
15	16QAM	1	1	23.36	23.35	23.31	23.9
15	64QAM	1	1	21.76	21.72	21.72	22.4
15	256QAM	1	1	19.81	19.80	19.77	20.4
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.93	23.90	23.88	24.9
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.93	23.91	23.90	24.9



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	23.99	23.88	23.78	24.9
20	PI/2 BPSK	1	53	24.06	23.94	23.86	
20	PI/2 BPSK	1	104	23.82	23.73	23.63	
20	PI/2 BPSK	50	0	23.86	23.76	23.65	24.4
20	PI/2 BPSK	50	28	23.94	23.85	23.73	24.9
20	PI/2 BPSK	50	56	23.77	23.71	23.58	24.4
20	PI/2 BPSK	100	0	23.82	23.74	23.64	
20	QPSK	1	1	23.96	23.87	23.76	24.9
20	QPSK	1	53	24.03	23.92	23.86	
20	QPSK	1	104	23.82	23.73	23.63	
20	QPSK	50	0	23.37	23.26	23.16	23.9
20	QPSK	50	28	23.94	23.85	23.72	24.9
20	QPSK	50	56	23.27	23.21	23.08	23.9
20	QPSK	100	0	23.31	23.24	23.13	
20	16QAM	1	1	23.41	23.27	23.18	23.9
20	64QAM	1	1	21.78	21.69	21.58	22.4
20	256QAM	1	1	19.85	19.75	19.63	20.4
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.95	23.86	23.77	24.9
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				688	680.5	693	
10	PI/2 BPSK	1	1	23.96	23.85	23.76	24.9
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.97	23.85	23.78	24.9



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	23.09	23.07	23.00	24.1
20	PI/2 BPSK	1	53	23.22	23.19	23.14	
20	PI/2 BPSK	1	104	23.01	23.00	23.01	
20	PI/2 BPSK	50	0	23.08	23.07	22.98	24.1
20	PI/2 BPSK	50	28	23.08	23.06	23.07	24.1
20	PI/2 BPSK	50	56	23.06	23.03	23.01	24.1
20	PI/2 BPSK	100	0	23.08	23.05	22.99	
20	QPSK	1	1	23.08	23.06	22.98	24.1
20	QPSK	1	53	23.20	23.16	23.17	
20	QPSK	1	104	23.03	23.00	22.94	
20	QPSK	50	0	23.07	23.06	23.00	23.9
20	QPSK	50	28	23.08	23.06	23.06	24.1
20	QPSK	50	56	23.05	23.03	22.97	23.9
20	QPSK	100	0	23.06	23.05	22.99	
20	16QAM	1	1	23.10	23.07	23.09	23.9
20	64QAM	1	1	21.91	21.89	21.90	22.4
20	256QAM	1	1	19.94	19.91	19.90	20.4
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.05	23.01	23.00	24.1
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.04	23.07	22.90	24.1
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.06	23.05	23.04	24.1



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	23.99	23.88	23.78	24.6
20	PI/2 BPSK	1	53	24.06	23.94	23.86	
20	PI/2 BPSK	1	104	23.82	23.73	23.63	
20	PI/2 BPSK	50	0	23.86	23.76	23.65	24.1
20	PI/2 BPSK	50	28	23.94	23.85	23.73	24.6
20	PI/2 BPSK	50	56	23.77	23.71	23.58	24.1
20	PI/2 BPSK	100	0	23.82	23.74	23.64	
20	QPSK	1	1	23.96	23.87	23.76	24.1
20	QPSK	1	53	24.03	23.92	23.86	
20	QPSK	1	104	23.82	23.73	23.63	
20	QPSK	50	0	23.37	23.26	23.16	24.0
20	QPSK	50	28	23.94	23.85	23.72	24.1
20	QPSK	50	56	23.27	23.21	23.08	24.0
20	QPSK	100	0	23.31	23.24	23.13	
20	16QAM	1	1	23.41	23.27	23.18	24.0
20	64QAM	1	1	21.78	21.69	21.58	22.4
20	256QAM	1	1	19.85	19.75	19.63	20.4
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.95	23.86	23.77	24.6
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				688	680.5	693	
10	PI/2 BPSK	1	1	23.96	23.85	23.76	24.6
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.97	23.85	23.78	24.6



n38_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	24.00	24.01	24.06	24.8
20	PI/2 BPSK	1	26	24.02	24.07	24.11	
20	PI/2 BPSK	1	49	24.04	24.06	24.10	
20	PI/2 BPSK	25	0	23.52	23.56	23.56	23.8
20	PI/2 BPSK	25	13	24.02	24.06	24.11	24.8
20	PI/2 BPSK	25	26	23.51	23.57	23.59	23.8
20	PI/2 BPSK	50	0	23.51	23.56	23.58	
20	QPSK	1	1	24.00	24.00	24.06	24.8
20	QPSK	1	26	24.02	24.06	24.10	
20	QPSK	1	49	24.03	24.05	24.09	
20	QPSK	25	0	23.01	23.03	23.06	23.8
20	QPSK	25	13	24.02	24.06	24.10	24.8
20	QPSK	25	26	23.01	23.05	23.09	23.8
20	QPSK	50	0	23.00	23.04	23.09	
20	16QAM	1	1	23.03	23.02	23.08	23.8
20	64QAM	1	1	21.62	21.61	21.63	22.3
20	256QAM	1	1	19.48	19.49	19.54	20.3
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	24.06	24.07	24.08	24.8
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	24.09	24.09	24.13	24.8



n41_Ant 5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.83	23.84	23.21	24.8
100	PI/2 BPSK	1	137	23.74	23.74	23.68	
100	PI/2 BPSK	1	271	23.25	23.69	23.56	
100	PI/2 BPSK	135	0	22.69	22.59	22.61	23.8
100	PI/2 BPSK	135	69	23.68	23.63	23.68	24.8
100	PI/2 BPSK	135	138	22.62	22.69	22.62	23.8
100	PI/2 BPSK	270	0	22.60	22.53	22.66	
100	QPSK	1	1	23.81	23.71	23.22	24.8
100	QPSK	1	137	23.82	23.75	23.82	
100	QPSK	1	271	23.21	23.81	23.79	
100	QPSK	135	0	22.91	22.71	22.82	23.8
100	QPSK	135	69	23.83	23.79	23.80	24.8
100	QPSK	135	138	22.83	22.85	22.83	23.8
100	QPSK	270	0	22.83	22.75	22.87	
100	16QAM	1	1	23.02	22.80	22.80	23.8
100	64QAM	1	1	21.50	21.46	21.26	22.3
100	256QAM	1	1	19.55	19.47	19.43	20.3
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.79	23.59	23.22	24.8
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.83	23.57	23.40	24.8
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.82	23.62	23.61	24.8
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.80	23.67	23.65	24.8
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.78	23.71	23.68	24.8
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.79	23.74	23.66	24.8
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.81	23.72	23.59	24.8
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.80	23.75	23.69	24.8
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.82	23.69	23.70	24.8



n41 PC2_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.02	25.87	25.77	26.8
100	PI/2 BPSK	1	137	26.08	25.88	25.95	
100	PI/2 BPSK	1	271	25.88	25.85	25.87	
100	PI/2 BPSK	135	0	24.02	23.81	23.90	24.8
100	PI/2 BPSK	135	69	25.91	25.86	25.93	26.8
100	PI/2 BPSK	135	138	23.89	23.95	23.91	24.8
100	PI/2 BPSK	270	0	23.85	23.82	23.89	
100	QPSK	1	1	26.00	25.85	25.79	26.8
100	QPSK	1	137	26.05	25.87	25.94	
100	QPSK	1	271	25.89	25.84	25.88	
100	QPSK	135	0	23.02	22.82	22.90	23.8
100	QPSK	135	69	25.97	25.84	25.94	26.8
100	QPSK	135	138	22.86	22.96	22.95	23.8
100	QPSK	270	0	22.86	22.83	22.92	
100	16QAM	1	1	25.21	24.89	24.86	25.8
100	64QAM	1	1	23.68	23.37	23.25	24.3
100	256QAM	1	1	21.84	21.65	21.45	22.3
Channel				508200	518998	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.05	25.98	25.79	26.8
Channel				507204	518998	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.97	25.98	25.91	26.8
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.98	26.02	25.93	26.8
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.99	25.99	25.94	26.8
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.05	26.02	26.01	26.8
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.97	26.00	26.01	26.8
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.98	25.94	25.93	26.8
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	26.04	25.93	26.01	26.8
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	26.07	26.03	26.01	26.8



n38_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	17.88	17.99	17.98	18.2
20	PI/2 BPSK	1	26	17.94	18.00	18.07	
20	PI/2 BPSK	1	49	17.97	18.05	18.02	
20	PI/2 BPSK	25	0	17.88	17.98	18.02	18.2
20	PI/2 BPSK	25	13	17.94	18.00	18.06	18.2
20	PI/2 BPSK	25	26	17.94	18.02	18.05	18.2
20	PI/2 BPSK	50	0	17.98	17.96	18.04	
20	QPSK	1	1	17.88	17.95	17.96	18.2
20	QPSK	1	26	17.92	17.98	18.06	
20	QPSK	1	49	17.94	18.00	18.02	
20	QPSK	25	0	17.89	17.98	18.01	18.2
20	QPSK	25	13	17.92	18.00	18.05	18.2
20	QPSK	25	26	17.93	18.00	18.04	
20	QPSK	50	0	17.88	17.96	18.06	18.2
20	16QAM	1	1	17.95	17.95	18.01	18.2
20	64QAM	1	1	17.79	17.90	17.90	17.2
20	256QAM	1	1	18.00	17.75	17.77	17.2
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	17.86	17.91	17.90	18.2
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	17.82	17.96	17.92	18.2



n41 PC2_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.73	20.72	20.76	21.2
100	PI/2 BPSK	1	137	20.80	21.00	20.99	
100	PI/2 BPSK	1	271	20.84	20.90	20.67	
100	PI/2 BPSK	135	0	20.71	20.69	20.96	21.2
100	PI/2 BPSK	135	69	20.77	20.94	20.99	21.2
100	PI/2 BPSK	135	138	20.79	21.00	20.85	21.2
100	PI/2 BPSK	270	0	20.74	20.83	20.93	
100	QPSK	1	1	20.73	20.60	20.72	
100	QPSK	1	137	20.78	20.95	20.98	21.2
100	QPSK	1	271	20.81	20.92	20.65	
100	QPSK	135	0	20.72	20.71	20.99	
100	QPSK	135	69	20.77	20.94	20.98	21.2
100	QPSK	135	138	20.78	20.99	20.78	21.2
100	QPSK	270	0	20.78	20.83	20.95	
100	16QAM	1	1	20.70	20.62	20.71	
100	64QAM	1	1	20.45	20.36	20.71	21.2
100	256QAM	1	1	20.44	20.38	20.45	21.2
Channel				508200	518998	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.68	20.68	20.72	21.2
Channel				507204	518998	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.71	20.64	20.71	21.2
Channel				505200	518998	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.71	20.67	20.76	21.2
Channel				504204	518998	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.65	20.68	20.70	21.2
Channel				503202	518998	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.65	20.64	20.74	21.2
Channel				502200	518998	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.72	20.70	20.74	21.2
Channel				501204	518998	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.66	20.62	20.75	21.2
Channel				500700	518998	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.68	20.68	20.72	21.2
Channel				500202	518998	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.71	20.66	20.70	21.2



n41 PC3_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.82	18.06	17.79	18.2
100	PI/2 BPSK	1	137	17.85	18.05	18.06	
100	PI/2 BPSK	1	271	17.88	17.95	17.75	18.2
100	PI/2 BPSK	135	0	17.73	17.72	18.00	
100	PI/2 BPSK	135	69	17.79	17.98	18.02	18.2
100	PI/2 BPSK	135	138	17.82	18.08	17.87	
100	PI/2 BPSK	270	0	17.74	17.92	17.95	18.2
100	QPSK	1	1	17.78	18.03	17.74	
100	QPSK	1	137	17.83	18.00	18.04	18.2
100	QPSK	1	271	17.86	17.94	17.75	
100	QPSK	135	0	17.76	17.72	17.99	18.2
100	QPSK	135	69	17.78	117.97	18.02	
100	QPSK	135	138	17.81	18.04	17.83	18.2
100	QPSK	270	0	17.74	17.86	17.92	
100	16QAM	1	1	17.70	17.84	17.94	18.2
100	64QAM	1	1	17.69	17.81	17.63	
100	256QAM	1	1	17.62	17.79	17.93	17.2
Channel				508200	518998	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.72	18.00	17.73	18.2
Channel				507204	518998	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.77	18.00	17.70	18.2
Channel				505200	518998	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.74	17.97	17.79	18.2
Channel				504204	518998	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.74	18.02	17.73	18.2
Channel				503202	518998	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	17.78	17.97	17.74	18.2
Channel				502200	518998	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.77	17.99	17.74	18.2
Channel				501204	518998	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.76	18.03	17.77	18.2
Channel				500700	518998	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.76	18.05	17.75	18.2
Channel				500202	518998	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.75	17.97	17.71	18.2



n38_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	16.15	16.14	16.14	17.0
20	PI/2 BPSK	1	26	16.09	16.15	16.05	
20	PI/2 BPSK	1	49	16.13	16.20	16.16	
20	PI/2 BPSK	25	0	16.07	16.16	16.11	
20	PI/2 BPSK	25	13	15.96	16.15	16.06	
20	PI/2 BPSK	25	26	16.13	16.15	16.11	
20	PI/2 BPSK	50	0	16.09	16.13	16.01	17.0
20	QPSK	1	1	16.13	16.12	15.92	
20	QPSK	1	26	16.14	16.13	16.04	
20	QPSK	1	49	16.10	16.15	16.06	
20	QPSK	25	0	16.14	16.16	15.99	
20	QPSK	25	13	16.15	16.14	16.03	
20	QPSK	25	26	16.03	16.15	16.00	17.0
20	QPSK	50	0	16.03	16.13	16.01	
20	16QAM	1	1	16.00	16.14	15.95	
20	64QAM	1	1	16.03	16.10	15.95	
20	256QAM	1	1	15.96	16.12	16.09	
20	256QAM	1	1	15.96	16.12	16.09	
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	16.18	16.16	16.19	17.0
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	16.19	16.17	16.19	17.0



n41 PC2_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.14	19.04	19.02	20.0
100	PI/2 BPSK	1	137	19.29	19.31	19.18	
100	PI/2 BPSK	1	271	19.21	19.13	18.94	
100	PI/2 BPSK	135	0	19.02	19.04	18.87	20.0
100	PI/2 BPSK	135	69	19.15	19.17	19.11	20.0
100	PI/2 BPSK	135	138	19.15	19.20	19.03	20.0
100	PI/2 BPSK	270	0	19.03	19.09	18.95	
100	QPSK	1	1	19.01	19.02	18.96	20.0
100	QPSK	1	137	19.30	19.21	19.08	
100	QPSK	1	271	19.25	19.15	18.93	
100	QPSK	135	0	19.06	19.04	18.96	20.0
100	QPSK	135	69	19.25	19.16	18.95	20.0
100	QPSK	135	138	19.23	19.19	19.11	20.0
100	QPSK	270	0	19.12	19.08	18.97	
100	16QAM	1	1	19.05	19.06	19.02	20.0
100	64QAM	1	1	18.89	18.98	18.87	20.0
100	256QAM	1	1	19.22	19.30	19.15	20.0
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.09	19.04	18.91	20.0
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.94	18.84	18.97	20.0
Channel				505200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.09	18.97	19.01	20.0
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.11	19.01	18.92	20.0
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.95	19.01	18.83	20.0
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.00	18.96	19.02	20.0
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.04	18.84	18.92	20.0
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	18.96	19.00	18.91	20.0
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	18.96	18.89	19.01	20.0



n41_PC3_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.37	16.51	16.26	17.0
100	PI/2 BPSK	1	137	16.21	16.53	16.11	
100	PI/2 BPSK	1	271	16.31	16.50	16.20	
100	PI/2 BPSK	135	0	15.83	16.17	15.90	17.0
100	PI/2 BPSK	135	69	16.08	16.28	15.95	17.0
100	PI/2 BPSK	135	138	16.03	16.29	15.97	17.0
100	PI/2 BPSK	270	0	15.93	16.21	15.83	
100	QPSK	1	1	16.24	16.47	16.04	17.0
100	QPSK	1	137	16.25	16.43	15.99	
100	QPSK	1	271	16.20	16.49	16.15	
100	QPSK	135	0	16.03	16.25	15.83	17.0
100	QPSK	135	69	16.10	16.38	15.98	17.0
100	QPSK	135	138	16.12	16.40	16.10	17.0
100	QPSK	270	0	16.01	16.30	16.00	
100	16QAM	1	1	16.27	16.51	16.08	17.0
100	64QAM	1	1	16.25	16.48	16.20	17.0
100	256QAM	1	1	16.26	16.47	16.13	17.0
Channel				508200	518998	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.23	16.41	16.17	17.0
Channel				507204	518998	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.25	16.40	16.24	17.0
Channel				505200	518998	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.28	16.35	16.16	17.0
Channel				504204	518998	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.24	16.32	16.14	17.0
Channel				503202	518998	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.20	16.42	16.06	17.0
Channel				501204	518998	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.30	16.48	16.16	17.0
Channel				500700	518998	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.22	16.40	16.25	17.0
Channel				500202	518998	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.27	16.50	16.26	17.0



n38_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	19.69	19.65	19.70	21.1
20	PI/2 BPSK	1	26	19.93	19.96	19.97	
20	PI/2 BPSK	1	49	19.89	19.86	19.76	
20	PI/2 BPSK	25	0	19.68	19.68	19.67	21.1
20	PI/2 BPSK	25	13	19.99	19.96	19.96	21.1
20	PI/2 BPSK	25	26	19.99	20.00	20.02	21.1
20	PI/2 BPSK	50	0	19.72	19.82	19.85	
20	QPSK	1	1	19.53	19.70	19.58	21.1
20	QPSK	1	26	19.85	19.91	19.89	
20	QPSK	1	49	19.86	19.81	19.73	
20	QPSK	25	0	19.56	19.62	19.60	21.1
20	QPSK	25	13	19.78	19.88	19.90	21.1
20	QPSK	25	26	19.84	19.84	19.83	21.1
20	QPSK	50	0	19.67	19.74	19.66	
20	16QAM	1	1	19.60	19.63	19.54	21.1
20	64QAM	1	1	19.51	19.58	19.56	21.1
20	256QAM	1	1	19.64	19.74	19.63	20.1
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	19.66	19.65	19.69	21.1
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	19.68	19.72	19.70	21.1



n41 PC2_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.60	22.68	22.67	24.1
100	PI/2 BPSK	1	137	23.06	22.92	23.01	
100	PI/2 BPSK	1	271	22.97	22.98	22.94	
100	PI/2 BPSK	135	0	22.75	22.85	22.84	
100	PI/2 BPSK	135	69	22.91	23.10	22.93	
100	PI/2 BPSK	135	138	23.03	23.14	23.03	
100	PI/2 BPSK	270	0	22.84	22.92	22.83	
100	QPSK	1	1	22.59	22.61	22.63	
100	QPSK	1	137	23.05	23.10	23.02	
100	QPSK	1	271	22.89	22.87	22.87	
100	QPSK	135	0	22.74	22.79	22.77	24.1
100	QPSK	135	69	22.99	22.96	22.92	24.1
100	QPSK	135	138	23.06	23.09	22.93	24.1
100	QPSK	270	0	22.84	22.89	22.85	24.1
100	16QAM	1	1	22.54	22.66	22.64	24.1
100	64QAM	1	1	22.54	22.67	22.51	24.1
100	256QAM	1	1	22.22	22.28	22.26	22.3
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.57	22.68	22.67	24.1
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.57	22.61	22.66	24.1
Channel				505200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.52	22.68	22.64	24.1
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.57	22.60	22.66	24.1
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.58	22.68	22.61	24.1
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.53	22.68	22.64	24.1
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.51	22.62	22.59	24.1
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.54	22.59	22.65	24.1
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.54	22.60	22.64	24.1



n41_PC3_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.70	19.73	19.72	21.1
100	PI/2 BPSK	1	137	20.03	20.15	20.02	
100	PI/2 BPSK	1	271	19.89	19.95	19.85	
100	PI/2 BPSK	135	0	19.75	19.75	19.69	21.1
100	PI/2 BPSK	135	69	20.00	20.00	19.99	21.1
100	PI/2 BPSK	135	138	20.01	20.04	20.03	21.1
100	PI/2 BPSK	270	0	19.82	19.88	19.86	
100	QPSK	1	1	19.63	19.71	19.63	21.1
100	QPSK	1	137	19.89	19.97	19.93	
100	QPSK	1	271	19.88	19.89	19.81	
100	QPSK	135	0	19.64	19.72	19.64	21.1
100	QPSK	135	69	19.84	19.94	19.90	21.1
100	QPSK	135	138	19.85	19.94	19.88	21.1
100	QPSK	270	0	19.74	19.79	19.69	
100	16QAM	1	1	19.65	19.66	19.56	21.1
100	64QAM	1	1	19.57	19.59	19.56	21.1
100	256QAM	1	1	19.70	19.75	19.66	20.1
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.65	19.70	19.72	21.1
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.63	19.72	19.66	21.1
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.70	19.68	19.66	21.1
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.63	19.72	19.69	21.1
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.66	19.71	19.72	21.1
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.62	19.66	19.64	21.1
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.64	19.68	19.67	21.1
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.64	19.66	19.66	21.1
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.67	19.65	19.62	21.1



n41 PC2_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.58	24.64	24.60	25.3
100	PI/2 BPSK	1	137	24.86	24.90	24.87	
100	PI/2 BPSK	1	271	24.76	24.81	24.77	
100	PI/2 BPSK	135	0	23.72	23.88	23.82	24.8
100	PI/2 BPSK	135	69	24.93	24.94	24.92	25.3
100	PI/2 BPSK	135	138	23.99	24.01	24.00	24.8
100	PI/2 BPSK	270	0	23.75	23.97	23.88	
100	QPSK	1	1	24.62	24.63	24.61	25.3
100	QPSK	1	137	24.90	24.92	24.93	
100	QPSK	1	271	24.76	24.78	24.79	
100	QPSK	135	0	22.87	23.02	23.00	23.8
100	QPSK	135	69	24.94	24.98	24.97	25.3
100	QPSK	135	138	22.75	22.98	22.81	23.8
100	QPSK	270	0	22.71	22.91	22.79	
100	16QAM	1	1	24.37	24.36	24.34	25.3
100	64QAM	1	1	23.02	23.06	23.03	24.3
100	256QAM	1	1	22.05	22.03	22.05	22.3
Channel				508200	518998	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.56	24.61	24.52	25.3
Channel				507204	518998	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.50	24.55	24.60	25.3
Channel				505200	518998	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.54	24.54	24.58	25.3
Channel				504204	518998	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.57	24.59	24.53	25.3
Channel				503202	518998	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.49	24.84	24.55	25.3
Channel				502200	518998	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.56	24.56	24.52	25.3
Channel				501204	518998	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.50	24.84	24.51	25.3
Channel				500700	518998	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.49	24.62	24.54	25.3
Channel				500202	518998	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.58	24.58	24.50	25.3



n41 PC3_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.70	20.72	20.76	22.3
100	PI/2 BPSK	1	137	20.95	21.00	20.96	
100	PI/2 BPSK	1	271	20.79	20.85	20.79	
100	PI/2 BPSK	135	0	20.72	20.75	20.70	22.3
100	PI/2 BPSK	135	69	20.93	20.93	20.89	22.3
100	PI/2 BPSK	135	138	20.98	20.99	20.89	22.3
100	PI/2 BPSK	270	0	20.76	20.80	20.71	
100	QPSK	1	1	20.66	20.71	20.74	
100	QPSK	1	137	20.85	20.95	20.92	22.3
100	QPSK	1	271	20.80	20.85	20.80	
100	QPSK	135	0	20.75	20.72	20.75	
100	QPSK	135	69	20.82	20.86	20.86	22.3
100	QPSK	135	138	20.92	20.96	20.87	22.3
100	QPSK	270	0	20.73	20.71	20.71	
100	16QAM	1	1	20.72	20.73	20.72	
100	64QAM	1	1	20.71	20.70	20.74	22.3
100	256QAM	1	1	19.23	19.33	19.28	20.3
Channel				508200	518998	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.78	20.74	20.79	22.3
Channel				507204	518998	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.84	20.82	20.76	22.3
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.79	20.73	20.86	22.3
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.82	20.81	20.81	22.3
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.77	20.83	20.79	22.3
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.83	20.80	20.81	22.3
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.82	20.75	20.77	22.3
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.76	20.74	20.86	22.3
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.77	20.78	20.77	22.3



n38 PC3_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				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	24.42	24.21	23.95	25.2
20	PI/2 BPSK	1	26	24.41	24.38	24.40	
20	PI/2 BPSK	1	49	24.22	24.05	24.37	
20	PI/2 BPSK	25	0	23.91	23.89	23.91	24.2
20	PI/2 BPSK	25	13	24.40	24.39	24.41	25.2
20	PI/2 BPSK	25	26	23.89	23.88	23.90	24.2
20	PI/2 BPSK	50	0	23.88	23.89	23.91	
20	QPSK	1	1	24.39	24.19	23.86	25.2
20	QPSK	1	26	24.38	24.36	24.39	
20	QPSK	1	49	24.03	24.01	24.36	
20	QPSK	25	0	23.36	23.37	23.39	24.2
20	QPSK	25	13	24.36	24.38	24.32	25.2
20	QPSK	25	26	23.38	23.37	23.40	24.2
20	QPSK	50	0	23.37	23.39	23.39	
20	16QAM	1	1	23.36	23.38	23.27	24.2
20	64QAM	1	1	21.81	21.86	21.84	22.7
20	256QAM	1	1	19.88	19.90	19.89	20.7
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	24.39	24.33	24.19	25.2
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	24.37	24.36	24.41	25.2



n41 PC2_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.05	26.15	26.06	27.4
100	PI/2 BPSK	1	137	26.50	26.78	26.75	
100	PI/2 BPSK	1	271	25.66	26.81	26.76	
100	PI/2 BPSK	135	0	25.91	26.12	26.10	
100	PI/2 BPSK	135	69	26.61	26.76	26.75	
100	PI/2 BPSK	135	138	26.15	26.28	26.26	
100	PI/2 BPSK	270	0	26.03	26.22	26.21	26.9
100	QPSK	1	1	26.26	25.99	26.05	
100	QPSK	1	137	26.50	26.78	26.74	
100	QPSK	1	271	25.65	26.80	26.75	
100	QPSK	135	0	25.42	25.62	25.60	
100	QPSK	135	69	26.51	26.77	26.76	
100	QPSK	135	138	25.65	25.78	25.77	27.4
100	QPSK	270	0	25.53	25.72	25.71	
100	16QAM	1	1	25.48	25.11	25.24	
100	64QAM	1	1	23.65	23.77	23.73	
100	256QAM	1	1	21.49	21.79	21.72	
100	256QAM	1	1	21.49	21.79	21.72	
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.96	26.11	25.99	27.4
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.03	26.09	25.96	27.4
Channel				505200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.03	26.05	26.04	27.4
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.00	26.11	26.05	27.4
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.98	26.11	26.00	27.4
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.02	26.14	26.06	27.4
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	26.05	26.12	25.99	27.4
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	26.04	26.05	25.99	27.4



n41 PC3_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.45	23.80	23.24	25.4
100	PI/2 BPSK	1	137	23.96	23.71	24.31	
100	PI/2 BPSK	1	271	23.21	24.22	24.32	
100	PI/2 BPSK	135	0	22.74	22.92	22.98	24.4
100	PI/2 BPSK	135	69	23.90	24.07	24.26	25.4
100	PI/2 BPSK	135	138	22.99	23.12	23.25	24.4
100	PI/2 BPSK	270	0	22.88	23.07	23.27	
100	QPSK	1	1	23.66	23.93	23.23	
100	QPSK	1	137	24.13	23.60	24.39	25.4
100	QPSK	1	271	23.22	24.34	24.44	
100	QPSK	135	0	22.96	23.16	23.35	
100	QPSK	135	69	24.11	24.12	24.45	25.4
100	QPSK	135	138	23.25	23.39	23.45	24.4
100	QPSK	270	0	23.07	23.24	23.42	
100	16QAM	1	1	22.75	23.04	22.69	
100	64QAM	1	1	21.16	21.49	21.28	22.9
100	256QAM	1	1	19.22	19.64	19.69	20.9
Channel				508200	518998	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.59	23.82	23.24	25.4
Channel				507204	518998	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.53	23.89	23.22	25.4
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.57	23.95	24.13	25.4
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.57	24.02	24.21	25.4
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.81	24.07	24.27	25.4
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.84	24.09	24.29	25.4
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.87	24.08	24.32	25.4
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.88	24.15	24.34	25.4
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.69	24.13	24.33	25.4



n41 PC2_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.01	21.20	21.02	22.4
100	PI/2 BPSK	1	137	21.13	21.16	21.11	
100	PI/2 BPSK	1	271	21.16	21.11	21.16	
100	PI/2 BPSK	135	0	21.04	21.09	21.03	22.4
100	PI/2 BPSK	135	69	21.15	21.19	21.19	22.4
100	PI/2 BPSK	135	138	21.18	21.10	21.16	22.4
100	PI/2 BPSK	270	0	21.02	21.06	21.01	
100	QPSK	1	1	20.82	20.91	20.88	22.4
100	QPSK	1	137	21.19	21.19	21.12	
100	QPSK	1	271	21.15	21.15	21.11	
100	QPSK	135	0	20.96	21.00	21.00	22.4
100	QPSK	135	69	21.08	21.16	21.08	22.4
100	QPSK	135	138	21.14	21.14	21.06	22.4
100	QPSK	270	0	21.15	21.04	20.99	
100	16QAM	1	1	21.10	21.00	20.93	22.4
100	64QAM	1	1	21.15	21.02	20.95	22.4
100	256QAM	1	1	21.18	21.05	21.02	22.4
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.11	21.19	21.10	22.4
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.12	21.13	21.12	22.4
Channel				505200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.12	21.13	21.15	22.4
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.14	21.15	21.11	22.4
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.13	21.10	21.12	22.4
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.12	21.11	21.13	22.4
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.13	21.16	21.12	22.4
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.14	21.15	21.12	22.4
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.15	21.16	21.13	22.4



n38 PC3_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				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	17.86	18.00	18.00	19.2
20	PI/2 BPSK	1	26	17.41	17.40	17.42	
20	PI/2 BPSK	1	49	17.40	17.41	17.44	
20	PI/2 BPSK	25	0	17.44	17.42	17.45	19.2
20	PI/2 BPSK	25	13	17.40	17.42	17.42	19.2
20	PI/2 BPSK	25	26	17.41	17.46	17.42	19.2
20	PI/2 BPSK	50	0	17.42	17.45	17.41	
20	QPSK	1	1	17.87	17.93	17.91	19.2
20	QPSK	1	26	17.40	17.41	17.42	
20	QPSK	1	49	17.41	17.45	17.44	
20	QPSK	25	0	17.42	17.43	17.46	19.2
20	QPSK	25	13	17.41	17.42	17.45	19.2
20	QPSK	25	26	17.45	17.40	17.41	19.2
20	QPSK	50	0	17.44	17.41	17.42	
20	16QAM	1	1	17.94	17.93	17.81	19.2
20	64QAM	1	1	17.75	17.80	17.76	19.2
20	256QAM	1	1	17.89	17.98	17.89	19.2
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	17.86	17.95	18.00	19.2
Channel				515004	519000	522996	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	17.83	17.97	17.94	19.2



n41 PC3_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.93	17.97	17.96	19.4
100	PI/2 BPSK	1	137	17.41	17.44	17.43	
100	PI/2 BPSK	1	271	17.42	17.43	17.41	
100	PI/2 BPSK	135	0	17.44	17.42	17.44	19.4
100	PI/2 BPSK	135	69	17.41	17.40	17.45	19.4
100	PI/2 BPSK	135	138	17.43	17.41	17.42	19.4
100	PI/2 BPSK	270	0	17.58	17.67	17.52	
100	QPSK	1	1	17.94	18.00	17.96	19.4
100	QPSK	1	137	17.40	17.40	17.40	
100	QPSK	1	271	17.40	17.42	17.41	
100	QPSK	135	0	17.42	17.43	17.42	19.4
100	QPSK	135	69	17.43	17.45	17.45	19.4
100	QPSK	135	138	17.41	17.42	17.45	19.4
100	QPSK	270	0	17.43	17.41	17.44	
100	16QAM	1	1	17.94	17.98	17.89	19.4
100	64QAM	1	1	17.84	17.86	17.78	19.4
100	256QAM	1	1	17.97	18.01	17.94	19.4
Channel				508200	518998	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.92	18.03	18.03	19.4
Channel				507204	518998	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.89	17.97	18.03	19.4
Channel				505200	518998	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.92	17.98	17.99	19.4
Channel				504204	518998	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.90	17.96	17.97	19.4
Channel				503202	518998	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	17.90	18.00	18.03	19.4
Channel				502200	518998	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.83	18.01	17.93	19.4
Channel				501204	518998	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.84	18.03	18.02	19.4
Channel				500700	518998	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.87	18.02	17.94	19.4
Channel				500202	518998	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.88	17.97	17.98	19.4



n41 PC2_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.01	21.20	21.02	21.2
100	PI/2 BPSK	1	137	21.13	21.16	21.11	
100	PI/2 BPSK	1	271	21.16	21.11	21.16	
100	PI/2 BPSK	135	0	21.04	21.09	21.03	21.2
100	PI/2 BPSK	135	69	21.15	21.19	21.19	21.2
100	PI/2 BPSK	135	138	21.18	21.10	21.16	21.2
100	PI/2 BPSK	270	0	21.02	21.06	21.01	
100	QPSK	1	1	20.82	20.91	20.88	21.2
100	QPSK	1	137	21.19	21.19	21.12	
100	QPSK	1	271	21.15	21.15	21.11	
100	QPSK	135	0	20.96	21.00	21.00	21.2
100	QPSK	135	69	21.08	21.16	21.08	21.2
100	QPSK	135	138	21.14	21.14	21.06	
100	QPSK	270	0	21.15	21.04	20.99	21.2
100	16QAM	1	1	21.10	21.00	20.93	21.2
100	64QAM	1	1	21.15	21.02	20.95	21.2
100	256QAM	1	1	21.18	21.05	21.02	21.2
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.11	21.19	21.10	21.2
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.12	21.13	21.12	21.2
Channel				505200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.12	21.13	21.15	21.2
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.14	21.15	21.11	21.2
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.13	21.10	21.12	21.2
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.12	21.11	21.13	21.2
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.13	21.16	21.12	21.2
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.14	21.15	21.12	21.2
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.15	21.16	21.13	21.2



n38 PC3_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				516000	519000	522000	
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	17.86	18.00	18.00	18.0
20	PI/2 BPSK	1	26	17.41	17.40	17.42	
20	PI/2 BPSK	1	49	17.40	17.41	17.44	
20	PI/2 BPSK	25	0	17.44	17.42	17.45	18.0
20	PI/2 BPSK	25	13	17.40	17.42	17.42	18.0
20	PI/2 BPSK	25	26	17.41	17.46	17.42	18.0
20	PI/2 BPSK	50	0	17.42	17.45	17.41	
20	QPSK	1	1	17.87	17.93	17.91	18.0
20	QPSK	1	26	17.40	17.41	17.42	
20	QPSK	1	49	17.41	17.45	17.44	
20	QPSK	25	0	17.42	17.43	17.46	18.0
20	QPSK	25	13	17.41	17.42	17.45	18.0
20	QPSK	25	26	17.45	17.40	17.41	18.0
20	QPSK	50	0	17.44	17.41	17.42	
20	16QAM	1	1	17.94	17.93	17.81	18.0
20	64QAM	1	1	17.75	17.80	17.76	18.0
20	256QAM	1	1	17.89	17.98	17.89	18.0
Channel				515502	519000	522498	tune-up limit (dBm)
Frequency (MHz)				2577.51	2595	2612.49	
15	PI/2 BPSK	1	1	17.86	17.95	18.00	18.0
Channel				515004	519000	522996	tune-up limit (dBm)
Frequency (MHz)				2575.02	2595	2614.98	
10	PI/2 BPSK	1	1	17.83	17.97	17.94	18.0



n41 PC3_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				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.93	17.97	17.96	18.2
100	PI/2 BPSK	1	137	17.41	17.44	17.43	
100	PI/2 BPSK	1	271	17.42	17.43	17.41	
100	PI/2 BPSK	135	0	17.44	17.42	17.44	18.2
100	PI/2 BPSK	135	69	17.41	17.40	17.45	18.2
100	PI/2 BPSK	135	138	17.43	17.41	17.42	18.2
100	PI/2 BPSK	270	0	17.58	17.67	17.52	
100	QPSK	1	1	17.94	18.00	17.96	18.2
100	QPSK	1	137	17.40	17.40	17.40	
100	QPSK	1	271	17.40	17.42	17.41	
100	QPSK	135	0	17.42	17.43	17.42	18.2
100	QPSK	135	69	17.43	17.45	17.45	18.2
100	QPSK	135	138	17.41	17.42	17.45	18.2
100	QPSK	270	0	17.43	17.41	17.44	18.2
100	16QAM	1	1	17.94	17.98	17.89	18.2
100	64QAM	1	1	17.84	17.86	17.78	18.2
100	256QAM	1	1	17.97	18.01	17.94	18.2
Channel				508200	518598	528996	tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.92	18.03	18.03	18.2
Channel				507204	518598	529998	tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.89	17.97	18.03	18.2
Channel				505200	518598	531996	tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.92	17.98	17.99	18.2
Channel				504204	518598	532998	tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.90	17.96	17.97	18.2
Channel				503202	518598	534000	tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	17.90	18.00	18.03	18.2
Channel				502200	518598	534996	tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.83	18.01	17.93	18.2
Channel				501204	518598	535998	tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.84	18.03	18.02	18.2
Channel				500700	518598	536496	tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.87	18.02	17.94	18.2
Channel				500202	518598	537000	tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.88	17.97	17.98	18.2



2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11b 1Mbps	1	2412	22.95	23.00	22.95	23.00	25.95	26.0	98.91	
	6	2437	22.95	23.00	22.85	23.00	25.91	26.0		
	11	2462	22.95	23.00	22.95	23.00	25.95	26.0		
	12	2467	22.95	23.00	22.75	23.00	25.86	26.0		
802.11g 6Mbps	1	2412	21.35	21.50	20.45	21.50	23.93	24.5	93.44	
	6	2437	21.05	21.50	20.75	21.50	23.91	24.5		
	11	2462	20.55	21.00	20.25	21.00	23.41	24.0		
	12	2467	19.45	19.50	18.85	19.50	22.17	22.5		
802.11n-HT20 MCS0	1	2412	20.55	21.00	19.65	21.00	23.13	24.0	93.03	
	6	2437	21.15	21.50	20.65	21.50	23.92	24.5		
	11	2462	19.95	20.00	19.45	20.00	22.72	23.0		
	12	2467	18.75	19.00	18.35	19.00	21.56	22.0		
802.11ac-VHT20 MCS0	1	2412	20.55	21.00	19.65	21.00	23.09	24.0	97.23	
	6	2437	21.05	21.50	20.65	21.50	23.88	24.5		
	11	2462	19.85	20.00	19.45	20.00	22.66	23.0		
	12	2467	18.65	19.00	18.35	19.00	21.51	22.0		
802.11ax-HE20 MCS0	1	2412	20.55	21.00	19.65	21.00	23.13	24.0	95.22	
	6	2437	20.95	21.50	20.65	21.50	23.81	24.5		
	11	2462	19.85	20.00	19.35	20.00	22.62	23.0		
	12	2467	18.55	19.00	18.35	19.00	21.46	22.0		
	13	2472	16.05	16.50	15.85	16.50	18.96	19.5		

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	36	5180	18.50	18.50	18.25	18.50	21.39	21.5	93.44	
	40	5200	18.50	18.50	18.15	18.50	21.34	21.5		
	44	5220	18.40	18.50	17.95	18.50	21.19	21.5		
	48	5240	18.10	18.50	17.95	18.50	21.04	21.5		
802.11n-HT20 MCS0	36	5180	17.80	18.50	18.05	18.50	20.94	21.5	93.03	
	40	5200	18.20	18.50	18.05	18.50	21.14	21.5		
	44	5220	18.10	18.50	18.25	18.50	21.10	21.5		
	48	5240	18.70	19.00	18.55	19.00	21.64	22.0		
802.11n-HT40 MCS0	36	5180	17.10	17.50	16.65	17.50	19.89	20.5	96.13	
	40	5200	20.00	20.00	19.75	20.00	22.89	23.0		
	44	5220	17.80	18.50	18.15	18.50	20.99	21.5		
	48	5240	18.30	18.50	18.05	18.50	21.19	21.5		
802.11ac-VHT20 MCS0	36	5180	18.10	18.50	18.35	18.50	21.24	21.5	96.91	
	40	5200	18.30	18.50	18.05	18.50	21.19	21.5		
	44	5220	18.10	18.50	18.35	18.50	21.24	21.5		
	48	5240	18.80	19.00	18.55	19.00	21.69	22.0		
802.11ac-VHT40 MCS0	36	5180	17.10	17.50	16.75	17.50	19.94	20.5	93.88	
	46	5230	20.00	20.00	19.85	20.00	22.94	23.0		
802.11ac-VHT80 MCS0	42	5210	16.70	17.00	16.15	17.00	19.44	20.0	87.81	
	46	5230	20.00	20.00	19.85	20.00	22.94	23.0		
802.11ax-HE20 MCS0	36	5180	17.80	18.50	18.25	18.50	21.04	21.5	96.02	
	40	5200	18.30	18.50	18.05	18.50	21.24	21.5		
	44	5220	18.10	18.50	18.45	18.50	21.29	21.5		
	48	5240	18.80	19.00	18.65	19.00	21.74	22.0		
802.11ax-HE40 MCS0	38	5190	17.20	17.50	16.75	17.50	19.99	20.5	92.51	
	46	5230	20.00	20.00	19.95	20.00	22.99	23.0		
802.11ax-HE80 MCS0	42	5210	16.80	17.00	16.15	17.00	19.50	20.0	85.99	

5.3GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	52	5260	18.80	19.00	18.25	19.00	21.54	22.0	93.44	
	56	5280	18.70	19.00	18.35	19.00	21.54	22.0		
	60	5300	18.60	19.00	18.55	19.00	21.59	22.0		
	64	5320	18.60	19.00	18.35	19.00	21.49	22.0		
802.11n-HT20 MCS0	52	5260	18.30	19.00	18.35	19.00	21.34	22.0	93.03	
	56	5280	18.30	19.00	18.25	19.00	21.29	22.0		
	60	5300	18.20	19.00	18.45	19.00	21.34	22.0		
	64	5320	17.50	17.50	17.15	17.50	20.34	20.5		
802.11n-HT40 MCS0	54	5270	19.80	20.00	19.75	20.00	22.79	23.0	96.13	
	62	5310	16.60	17.00	16.45	17.00	19.54	20.0		
	52	5260	18.40	19.00	18.35	19.00	21.39	22.0		
	56	5280	18.40	19.00	18.25	19.00	21.34	22.0		
802.11ac-VHT20 MCS0	60	5300	18.30	19.00	18.45	19.00	21.39	22.0	96.91	
	64	5320	17.50	17.50	17.25	17.50	20.39	20.5		
	54	5270	19.90	20.00	19.75	20.00	22.84	23.0		
	62	5310	16.70	17.00	16.45	17.00	19.59	20.0		
802.11ac-VHT80 MCS0	58	5290	15.70	16.00	15.15	16.00	18.44	19.0	87.81	
802.11ac-VHT160 MCS0	50	5250	15.00	15.00	14.05	15.00	17.56	18.0	88.09	
802.11ax-HE20 MCS0	52	5260	18.40	19.00	18.45	19.00	21.44	22.0	96.02	
	56	5280	18.50	19.00	18.25	19.00	21.39	22.0		
	60	5300	18.40	19.00	18.45	19.00	21.44	22.0		
	64	5320	17.50	17.50	17.35	17.50	20.44	20.5		
802.11ax-HE40 MCS0	54	5270	20.00	20.00	19.75	20.00	22.89	23.0	92.51	
	62	5310	16.80	17.00	16.45	17.00	19.64	20.0		
802.11ax-HE80 MCS0	58	5290	15.80	16.00	15.15	16.00	18.50	19.0	85.99	
802.11ax-HE160 MCS0	50	5250	15.00	15.00	14.15	15.00	17.61	18.0	86.19	



5GHz WLAN		Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)		Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	100	5500	16.70	17.00	16.65	17.00	19.69	20.0
		116	5580	18.80	19.00	18.55	19.00	21.69	22.0
		124	5620	18.80	19.00	18.45	19.00	21.64	22.0
		144	5720	19.00	19.00	18.35	19.00	21.70	22.0
	802.11n-HT20 MCS0	100	5500	16.80	17.00	16.35	17.00	19.59	20.0
		116	5580	19.20	19.50	19.15	19.50	22.19	22.5
		124	5620	19.20	19.50	19.05	19.50	22.14	22.5
		132	5660	19.20	19.50	19.05	19.50	22.14	22.5
	802.11n-HT40 MCS0	102	5510	17.30	17.50	17.25	17.50	20.29	20.5
		126	5630	19.90	20.00	19.65	20.00	22.79	23.0
		134	5670	20.00	20.00	19.65	20.00	22.84	23.0
		142	5710	20.00	20.00	19.35	20.00	22.70	23.0
802.11ac-VHT20 MCS0	100	5500	16.90	17.00	16.35	17.00	19.64	20.0	
	116	5580	19.30	19.50	19.15	19.50	22.24	22.5	
	132	5660	19.30	19.50	19.05	19.50	22.19	22.5	
	144	5720	19.50	19.50	18.85	19.50	22.20	22.5	
802.11ac-VHT40 MCS0	102	5510	17.30	17.50	17.35	17.50	20.34	20.5	
	110	5550	20.00	20.00	19.75	20.00	22.89	23.0	
	126	5630	20.00	20.00	19.65	20.00	22.84	23.0	
	134	5670	20.00	20.00	19.75	20.00	22.89	23.0	
802.11ac-VHT80 MCS0	106	5530	17.50	18.00	17.35	18.00	20.44	21.0	
	122	5610	20.00	20.00	19.65	20.00	22.84	23.0	
	114	5570	17.00	17.00	16.75	17.00	19.89	20.0	
	100	5500	17.00	17.00	16.35	17.00	19.70	20.0	
802.11ax-HE20 MCS0	116	5580	19.40	19.50	19.15	19.50	22.29	22.5	
	124	5620	19.40	19.50	19.05	19.50	22.24	22.5	
	132	5660	19.40	19.50	19.05	19.50	22.24	22.5	
	140	5700	17.50	17.50	17.35	17.50	20.44	20.5	
802.11ax-HE40 MCS0	144	5720	19.50	19.50	18.95	19.50	22.24	22.5	
	102	5510	17.40	17.50	17.35	17.50	20.39	20.5	
	110	5550	20.00	20.00	19.85	20.00	22.94	23.0	
	134	5670	20.00	20.00	19.85	20.00	22.94	23.0	
802.11ax-HE80 MCS0	142	5710	20.00	20.00	19.55	20.00	22.79	23.0	
	106	5530	17.50	18.00	17.45	18.00	20.49	21.0	
	122	5610	20.00	20.00	19.75	20.00	22.89	23.0	
	114	5570	17.00	17.00	16.85	17.00	19.94	20.0	

5.8GHz WLAN		Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)		Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.70	21.00	19.75	21.00	23.26	24.0
		157	5785	20.80	21.00	20.05	21.00	23.45	24.0
		165	5825	20.80	21.00	19.65	21.00	23.27	24.0
	802.11n-HT20 MCS0	149	5745	21.00	21.00	20.15	21.00	23.61	24.0
		157	5785	20.90	21.00	20.05	21.00	23.51	24.0
		165	5825	21.00	21.00	19.55	21.00	23.35	24.0
	802.11n-HT40 MCS0	151	5755	20.40	20.50	18.95	20.50	22.75	23.5
		159	5795	20.30	20.50	19.05	20.50	22.73	23.5
		149	5745	21.00	21.00	20.25	21.00	23.65	24.0
	802.11ac-VHT20 MCS0	157	5785	21.00	21.00	20.05	21.00	23.56	24.0
		165	5825	21.00	21.00	19.65	21.00	23.39	24.0
		151	5755	20.40	20.50	19.05	20.50	22.79	23.5
802.11ac-VHT40 MCS0	159	5795	20.30	20.50	19.15	20.50	22.77	23.5	
	155	5775	20.40	20.50	19.05	20.50	22.79	23.5	
	149	5745	21.00	21.00	20.35	21.00	23.70	24.0	
802.11ax-HE20 MCS0	157	5785	21.00	21.00	20.15	21.00	23.61	24.0	
	165	5825	21.00	21.00	19.75	21.00	23.43	24.0	
	151	5755	20.50	20.50	19.05	20.50	22.85	23.5	
802.11ax-HE40 MCS0	159	5795	20.40	20.50	19.15	20.50	22.83	23.5	
	155	5775	20.50	20.50	19.05	20.50	22.85	23.5	
	155	5775	20.50	20.50	19.05	20.50	22.85	23.5	



2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
802.11b 1Mbps	1	2412	16.45	16.50	15.95	16.50	19.22	19.5	98.91		
	6	2437	16.45	16.50	16.05	16.50	19.26	19.5			
	11	2462	16.45	16.50	16.25	16.50	19.36	19.5			
	12	2467	16.45	16.50	16.15	16.50	19.31	19.5			
	13	2472	16.45	16.50	15.95	16.50	19.22	19.5			
	802.11g 6Mbps	1	2412		16.50		16.50			19.5	93.44
		6	2437		16.50		16.50			19.5	
		11	2462		16.50		16.50			19.5	
		12	2467		16.50		16.50			19.5	
		13	2472		16.50		16.50			19.5	
	802.11n-HT20 MCS0	1	2412		16.50		16.50			19.5	93.03
		6	2437		16.50		16.50			19.5	
11		2462		16.50		16.50		19.5			
12		2467		16.50		16.50		19.5			
13		2472		16.50		16.50		19.5			
802.11ac-VHT20 MCS0	1	2412	Not Required	16.50	Not Required	16.50	Not Required	19.5	97.23		
	6	2437		16.50		16.50		19.5			
	11	2462		16.50		16.50		19.5			
	12	2467		16.50		16.50		19.5			
	13	2472		16.50		16.50		19.5			
802.11ax-HE20 MCS0	1	2412		16.50		16.50		19.5	95.22		
	6	2437		16.50		16.50		19.5			
	11	2462		16.50		16.50		19.5			
	12	2467		16.50		16.50		19.5			
	13	2472		16.50		16.50		19.5			

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	36	5180		15.50		15.50		18.5	93.44	
	40	5200		15.50		15.50		18.5		
	44	5220		15.50		15.50		18.5		
	48	5240		15.50		15.50		18.5		
	36	5180	Not Required	15.50	Not Required	15.50	Not Required	18.5		
802.11n-HT20 MCS0	40	5200		15.50		15.50		18.5	93.03	
	44	5220		15.50		15.50		18.5		
	48	5240		15.50		15.50		18.5		
	38	5190	15.50	15.50	14.95	15.50	18.24	18.5		
802.11n-HT40 MCS0	46	5230	15.50	15.50	15.05	15.50	18.29	18.5	96.13	
	36	5180		15.50		15.50		18.5		
	40	5200		15.50		15.50		18.5		
802.11ac-VHT20 MCS0	44	5220	Not Required	15.50	Not Required	15.50	Not Required	18.5	96.91	
	48	5240		15.50		15.50		18.5		
	38	5190		15.50		15.50		18.5		
	46	5230		15.50		15.50		18.5		
802.11ac-VHT40 MCS0	42	5210	15.50	15.50	14.55	15.50	18.06	18.5	87.81	
802.11ax-HE20 MCS0	36	5180		15.50		15.50		18.5	96.02	
	40	5200		15.50		15.50		18.5		
	44	5220		15.50		15.50		18.5		
	48	5240	Not Required	15.50	Not Required	15.50	Not Required	18.5		
	38	5190		15.50		15.50		18.5		
802.11ax-HE40 MCS0	46	5230		15.50		15.50		18.5	92.51	
802.11ax-HE80 MCS0	42	5210		15.50		15.50		18.5	85.99	

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	52	5260		15.50		15.50		18.5	93.44	
	56	5280		15.50		15.50		18.5		
	60	5300		15.50		15.50		18.5		
	64	5320		15.50		15.50		18.5		
802.11n-HT20 MCS0	52	5260	Not Required	15.50	Not Required	15.50	Not Required	18.5	93.03	
	56	5280		15.50		15.50		18.5		
	60	5300		15.50		15.50		18.5		
	64	5320		15.50		15.50		18.5		
802.11n-HT40 MCS0	54	5270	14.81	15.50	14.46	15.50	17.65	18.5	96.13	
802.11ac-VHT20 MCS0	62	5310	14.90	15.50	14.60	15.50	17.76	18.5	96.91	
	52	5260		15.50		15.50		18.5		
	56	5280		15.50		15.50		18.5		
802.11ac-VHT40 MCS0	60	5300	Not Required	15.50	Not Required	15.50	Not Required	18.5	93.88	
	64	5320		15.50		15.50		18.5		
	54	5270		15.50		15.50		18.5		
	62	5310		15.50		15.50		18.5		
802.11ac-VHT80 MCS0	58	5290	15.00	15.50	14.90	15.50	17.96	18.5	87.81	
802.11ac-VHT160 MCS0	50	5250	15.00	15.00	14.05	15.00	17.56	18.0	88.09	
802.11ax-HE20 MCS0	52	5260		15.50		15.50		18.5	96.02	
	56	5280		15.50		15.50		18.5		
	60	5300		15.50		15.50		18.5		
	64	5320	Not Required	15.50	Not Required	15.50	Not Required	18.5		
	54	5270		15.50		15.50		18.5		
802.11ax-HE40 MCS0	62	5310		15.50		15.50		18.5	92.51	
802.11ax-HE80 MCS0	58	5290		15.50		15.50		18.5	85.99	
802.11ax-HE160 MCS0	50	5250		15.00		15.00		18.0	86.19	



5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	15.50	Not Required	15.50	18.5	93.44	
		116	5580		15.50		18.5			
		124	5620		15.50		18.5			
		132	5660		15.50		18.5			
		140	5700		15.50		18.5			
		144	5720		15.50		18.5			
	802.11n-HT20 MCS0	116	5580		15.50		18.5	93.03		
		124	5620		15.50		18.5			
		132	5660		15.50		18.5			
		140	5700		15.50		18.5			
		102	5510		15.50		18.5			
		110	5550		15.50		18.5			
	802.11n-HT40 MCS0	126	5630		15.50		18.5	96.13		
		134	5670		15.50		18.5			
		142	5710		15.50		18.5			
		116	5580		15.50		18.5			
802.11ac-VHT20 MCS0	132	5660	15.50	18.5	96.91					
	140	5700	15.50	18.5						
	144	5720	15.50	18.5						
	102	5510	15.50	18.5						
802.11ac-VHT40 MCS0	110	5550	15.50	18.5	93.88					
	126	5630	15.50	18.5						
	134	5670	15.50	18.5						
	142	5710	15.50	18.5						
802.11ac-VHT80 MCS0	106	5530	15.00	15.50	14.55	15.50	17.79	18.5	87.81	
	122	5610	15.00	15.50	14.25	15.50	17.65	18.5		
	138	5690	15.00	15.50	13.85	15.50	17.47	18.5		
	114	5570	15.40	16.00	15.30	16.00	18.36	19.0		
802.11ax-HE20 MCS0	100	5500	15.50	18.5	96.02					
	116	5580	15.50	18.5						
	124	5620	15.50	18.5						
	132	5660	15.50	18.5						
	140	5700	15.50	18.5						
	144	5720	15.50	18.5						
802.11ax-HE40 MCS0	102	5510	15.50	18.5	92.51					
	110	5550	15.50	18.5						
	126	5630	15.50	18.5						
	134	5670	15.50	18.5						
802.11ax-HE80 MCS0	142	5710	15.50	18.5	85.99					
	122	5610	15.50	18.5						
802.11ax-HE160 MCS0	138	5690	15.50	18.5	18.5					
114	5570	16.00	19.0	19.0						

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	15.00	18.0	93.44			
		157	5785		15.00		18.0					
		165	5825		15.00		18.0					
	802.11n-HT20 MCS0	149	5745		15.00		18.0	93.03				
		157	5785		15.00		18.0					
		165	5825		15.00		18.0					
	802.11n-HT40 MCS0	151	5755		14.50		15.00	13.25	15.00	16.93	18.0	96.13
		159	5795		14.50		15.00	13.25	15.00	16.93	18.0	
	802.11ac-VHT20 MCS0	149	5745		15.00		18.0	96.91				
		157	5785		15.00		18.0					
		165	5825		15.00		18.0					
	802.11ac-VHT40 MCS0	151	5755		15.00		18.0	93.88				
		159	5795		15.00		18.0					
	802.11ac-VHT80 MCS0	155	5775		14.50		15.50	13.50	15.50	17.04	18.5	87.81
	802.11ax-HE20 MCS0	149	5745		15.00		18.0	96.02				
		157	5785		15.00		18.0					
165		5825	15.00	18.0								
802.11ax-HE40 MCS0	151	5755	15.00	18.0	92.51							
	159	5795	15.00	18.0								
802.11ax-HE80 MCS0	155	5775	15.50	18.5	18.5							



2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	13.95	14.00	13.55	14.00	16.76	17.0	98.91
		6	2437	13.95	14.00	13.95	14.00	16.96	17.0	
		11	2462	13.95	14.00	13.75	14.00	16.86	17.0	
		12	2467	13.95	14.00	13.65	14.00	16.81	17.0	
	802.11g 6Mbps	1	2412		14.00		14.00		17.0	93.44
		6	2437		14.00		14.00		17.0	
		11	2462		14.00		14.00		17.0	
		12	2467		14.00		14.00		17.0	
	802.11n-HT20 MCS0	1	2412		14.00		14.00		17.0	93.03
		6	2437		14.00		14.00		17.0	
		11	2462		14.00		14.00		17.0	
		12	2467		14.00		14.00		17.0	
802.11ac-VHT20 MCS0	1	2412	Not Required	14.00	Not Required	14.00	Not Required	17.0	97.23	
	6	2437		14.00		14.00		17.0		
	11	2462		14.00		14.00		17.0		
	12	2467		14.00		14.00		17.0		
802.11ax-HE20 MCS0	1	2412		14.00		14.00		17.0	95.22	
	6	2437		14.00		14.00		17.0		
	11	2462		14.00		14.00		17.0		
	12	2467		14.00		14.00		17.0		

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180		15.00		15.00		18.0	93.44
		40	5200		15.00		15.00		18.0	
		44	5220		15.00		15.00		18.0	
		48	5240		15.00		15.00		18.0	
	802.11n-HT20 MCS0	36	5180		15.00		15.00		18.0	93.03
		40	5200		15.00		15.00		18.0	
		44	5220		15.00		15.00		18.0	
		48	5240		15.00		15.00		18.0	
	802.11n-HT40 MCS0	38	5190		15.00		15.00		18.0	96.13
		46	5230		15.00		15.00		18.0	
	802.11ac-VHT20 MCS0	36	5180	Not Required	15.00	Not Required	15.00	Not Required	18.0	96.91
		40	5200		15.00		15.00		18.0	
		44	5220		15.00		15.00		18.0	
	802.11ac-VHT40 MCS0	38	5190		15.00		15.00		18.0	93.88
		46	5230		15.00		15.00		18.0	
	802.11ac-VHT80 MCS0	42	5210		15.00		15.00		18.0	87.81
	802.11ax-HE20 MCS0	36	5180		15.00		15.00		18.0	96.02
		40	5200		15.00		15.00		18.0	
		44	5220		15.00		15.00		18.0	
		48	5240		15.00		15.00		18.0	
	802.11ax-HE40 MCS0	38	5190		15.00		15.00		18.0	92.51
		46	5230		15.00		15.00		18.0	
	802.11ax-HE80 MCS0	42	5210		15.00		15.00		18.0	85.99

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260		15.00		15.00		18.0	93.44
		56	5280		15.00		15.00		18.0	
		60	5300		15.00		15.00		18.0	
		64	5320		15.00		15.00		18.0	
	802.11n-HT20 MCS0	52	5260		15.00		15.00		18.0	93.03
		56	5280		15.00		15.00		18.0	
		60	5300		15.00		15.00		18.0	
		64	5320		15.00		15.00		18.0	
	802.11n-HT40 MCS0	54	5270	14.81	15.00	14.46	15.00	17.65	18.0	96.13
		62	5310	14.90	15.00	14.60	15.00	17.76	18.0	
	802.11ac-VHT20 MCS0	52	5260		15.00		15.00		18.0	96.91
		56	5280		15.00		15.00		18.0	
		60	5300		15.00		15.00		18.0	
	802.11ac-VHT40 MCS0	54	5270		15.00		15.00		18.0	93.88
		62	5310		15.00		15.00		18.0	
	802.11ac-VHT80 MCS0	58	5290	15.00	15.00	14.90	15.00	17.96	18.0	87.81
	802.11ac-VHT160 MCS0	50	5250		14.50		14.50		17.5	88.09
		52	5260		15.00		15.00		18.0	
	802.11ax-HE20 MCS0	56	5280		15.00		15.00		18.0	96.02
		60	5300		15.00		15.00		18.0	
		64	5320		15.00		15.00		18.0	
		64	5320	Not Required	15.00	Not Required	15.00	Not Required	18.0	
	802.11ax-HE40 MCS0	54	5270		15.00		15.00		18.0	92.51
		62	5310		15.00		15.00		18.0	
802.11ax-HE80 MCS0	58	5290		15.00		15.00		18.0	85.99	
802.11ax-HE160 MCS0	50	5250		14.50		14.50		17.5	86.19	



5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit					
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	Not Required	Not Required	Not Required	15.00	18.0	93.44			
		116	5580					15.00	18.0				
		124	5620					15.00	18.0				
		132	5660					15.00	18.0				
		140	5700					15.00	18.0				
	802.11n-HT20 MCS0	144	5720					15.00	18.0		93.03		
		100	5500					15.00	18.0				
		116	5580					15.00	18.0				
		124	5620					15.00	18.0				
		132	5660					15.00	18.0				
	802.11n-HT40 MCS0	140	5700					15.00	18.0			96.13	
		102	5510					15.00	18.0				
		110	5550					15.00	18.0				
		126	5630					15.00	18.0				
		134	5670					15.00	18.0				
	802.11ac-VHT20 MCS0	142	5710					15.00	18.0				96.91
		116	5580					15.00	18.0				
		124	5620					15.00	18.0				
		132	5660					15.00	18.0				
		140	5700					15.00	18.0				
802.11ac-VHT40 MCS0	144	5720	15.00	18.0	93.88								
	102	5510	15.00	18.0									
	110	5550	15.00	18.0									
	126	5630	15.00	18.0									
	134	5670	15.00	18.0									
802.11ac-VHT80 MCS0	142	5710	15.00	18.0		87.81							
	106	5530	15.00	14.55			15.00	17.79	18.0				
	122	5610	15.00	14.25			15.00	17.65	18.0				
	138	5690	15.00	13.85			15.00	17.47	18.0				
	802.11ac-VHT160 MCS0	114	5570	15.40			15.30	15.50	18.36	18.5	88.09		
802.11ax-HE20 MCS0	100	5500	15.00	15.00			15.00	18.0	96.02				
	116	5580	15.00	18.0									
	124	5620	15.00	18.0									
	132	5660	15.00	18.0									
	140	5700	15.00	18.0									
802.11ax-HE40 MCS0	144	5720	15.00	18.0			92.51						
	102	5510	15.00	18.0									
	110	5550	15.00	18.0									
	126	5630	15.00	18.0									
	134	5670	15.00	18.0									
802.11ax-HE80 MCS0	142	5710	15.00	18.0	85.99								
	122	5610	15.00	18.0									
	138	5690	15.00	18.0									
802.11ax-HE160 MCS0	114	5570	15.50	15.50				15.50		18.5	86.19		

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %								
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit										
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	Not Required	Not Required	Not Required	14.50	17.5	93.44								
		157	5785					14.50	17.5									
		165	5825					14.50	17.5									
	802.11n-HT20 MCS0	149	5745					14.50	17.5		93.03							
		157	5785					14.50	17.5									
		165	5825					14.50	17.5									
	802.11n-HT40 MCS0	151	5785					14.50	13.25			14.50	16.93	17.5	96.13			
		159	5785					14.50	13.25			14.50	16.93	17.5				
		149	5745					14.50	14.50			14.50	17.5					
	802.11ac-VHT20 MCS0	157	5785					14.50	14.50			14.50	17.5	96.91				
		165	5825					14.50	14.50			14.50	17.5					
		151	5785					14.50	14.50			14.50	17.5					
	802.11ac-VHT40 MCS0	159	5785					14.50	14.50			14.50	17.5			93.88		
		151	5755					14.50	14.50			14.50	17.5					
		159	5795					14.50	14.50			14.50	17.5					
	802.11ac-VHT80 MCS0	155	5775					14.50	13.50			14.50	17.04				17.5	87.81
		149	5745					14.50	14.50			14.50	17.5					
		157	5785					14.50	14.50			14.50	17.5					
	802.11ax-HE20 MCS0	165	5825					14.50	14.50			14.50	17.5				96.02	
		151	5755					14.50	14.50			14.50	17.5					
159		5795	14.50	14.50	14.50	17.5												
802.11ax-HE40 MCS0	155	5775	14.50	14.50	14.50	17.5	92.51											
	149	5745	14.50	14.50	14.50	17.5												
	157	5785	14.50	14.50	14.50	17.5												
802.11ax-HE80 MCS0	155	5775	14.50	14.50	14.50	17.5		85.99										
	149	5745	14.50	14.50	14.50	17.5												
	157	5785	14.50	14.50	14.50	17.5												



2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.45	14.50	14.45	14.50	17.46	17.5	98.91
		6	2437	14.45	14.50	14.35	14.50	17.41	17.5	
		11	2462	14.45	14.50	14.35	14.50	17.41	17.5	
		12	2467	14.45	14.50	14.35	14.50	17.41	17.5	
	802.11g 6Mbps	13	2472	14.25	14.50	14.05	14.50	17.16	17.5	93.44
		1	2412		14.50		14.50		17.5	
		6	2437		14.50		14.50		17.5	
		11	2462		14.50		14.50		17.5	
		12	2467		14.50		14.50		17.5	
	802.11n-HT20 MCS0	13	2472		14.50		14.50		17.5	93.03
		1	2412		14.50		14.50		17.5	
		6	2437		14.50		14.50		17.5	
11		2462		14.50		14.50		17.5		
802.11ac-VHT20 MCS0	12	2467		14.50		14.50		17.5	97.23	
	13	2472		14.50		14.50		17.5		
	1	2412		14.50		14.50		17.5		
	6	2437		14.50		14.50		17.5		
802.11ax-HE20 MCS0	11	2462		14.50		14.50		17.5	95.22	
	12	2467		14.50		14.50		17.5		
	13	2472		14.50		14.50		17.5		
	13	2472		14.50		14.50		17.5		

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180		11.50		11.50		14.5	93.44
		40	5200		11.50		11.50		14.5	
		44	5220		11.50		11.50		14.5	
		48	5240		11.50		11.50		14.5	
	802.11n-HT20 MCS0	36	5180		11.50		11.50		14.5	93.03
		40	5200		11.50		11.50		14.5	
		44	5220		11.50		11.50		14.5	
		48	5240		11.50		11.50		14.5	
	802.11n-HT40 MCS0	38	5190		11.50		11.50		14.5	96.13
		46	5230		11.50		11.50		14.5	
	802.11ac-VHT20 MCS0	36	5180		11.50		11.50		14.5	96.91
		40	5200		11.50		11.50		14.5	
		44	5220		11.50		11.50		14.5	
	802.11ac-VHT40 MCS0	48	5240		11.50		11.50		14.5	93.88
		38	5190		11.50		11.50		14.5	
	802.11ac-VHT80 MCS0	46	5230		11.50		11.50		14.5	87.81
	802.11ax-HE20 MCS0	42	5210	11.50	11.50	10.55	11.50	14.06	14.5	87.81
		36	5180		11.50		11.50		14.5	96.02
		40	5200		11.50		11.50		14.5	
		44	5220		11.50		11.50		14.5	
	48	5240		11.50		11.50		14.5		
	802.11ax-HE40 MCS0	38	5190		11.50		11.50		14.5	92.51
		46	5230		11.50		11.50		14.5	
	802.11ax-HE80 MCS0	42	5210		11.50		11.50		14.5	85.99

5.3GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260		11.50		11.50		14.5	93.44
		56	5280		11.50		11.50		14.5	
		60	5300		11.50		11.50		14.5	
		64	5320		11.50		11.50		14.5	
	802.11n-HT20 MCS0	52	5260		11.50		11.50		14.5	93.03
		56	5280		11.50		11.50		14.5	
		60	5300		11.50		11.50		14.5	
		64	5320		11.50		11.50		14.5	
	802.11n-HT40 MCS0	54	5270		11.50		11.50		14.5	96.13
		62	5310		11.50		11.50		14.5	
	802.11ac-VHT20 MCS0	52	5260		11.50		11.50		14.5	96.91
		56	5280		11.50		11.50		14.5	
		60	5300		11.50		11.50		14.5	
		64	5320		11.50		11.50		14.5	
	802.11ac-VHT40 MCS0	54	5270		11.50		11.50		14.5	93.88
		62	5310		11.50		11.50		14.5	
	802.11ac-VHT80 MCS0	58	5290		11.50		11.50		14.5	87.81
	802.11ac-VHT160 MCS0	50	5250	11.50	11.50	10.65	11.50	14.11	14.5	88.09
	802.11ax-HE20 MCS0	52	5260		11.50		11.50		14.5	96.02
		56	5280		11.50		11.50		14.5	
		60	5300		11.50		11.50		14.5	
		64	5320		11.50		11.50		14.5	
	802.11ax-HE40 MCS0	54	5270		11.50		11.50		14.5	92.51
		62	5310		11.50		11.50		14.5	
802.11ax-HE80 MCS0	58	5290		11.50		11.50		14.5	85.99	
802.11ax-HE160 MCS0	50	5250		11.50		11.50		14.5	86.19	



5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	Not Required	Not Required	Not Required	11.00	14.0	93.44
		116	5580					11.00	14.0	
		124	5620					11.00	14.0	
		132	5660					11.00	14.0	
		140	5700					11.00	14.0	
	802.11n-HT20 MCS0	144	5720					11.00	14.0	
		100	5500					11.00	14.0	
		116	5580					11.00	14.0	
		124	5620					11.00	14.0	
		132	5660					11.00	14.0	
	802.11n-HT40 MCS0	140	5700					11.00	14.0	
		102	5510					11.00	14.0	
		110	5550					11.00	14.0	
		126	5630					11.00	14.0	
		134	5670					11.00	14.0	
	802.11ac-VHT20 MCS0	142	5710					11.00	14.0	
		116	5580					11.00	14.0	
		124	5620					11.00	14.0	
		132	5660					11.00	14.0	
		140	5700					11.00	14.0	
802.11ac-VHT40 MCS0	144	5720	11.00	14.0						
	102	5510	11.00	14.0						
	110	5550	11.00	14.0						
	126	5630	11.00	14.0						
	134	5670	11.00	14.0						
802.11ac-VHT80 MCS0	142	5710	11.00	14.0						
	122	5610	11.00	14.0						
	138	5690	11.00	14.0						
	114	5570	11.00	14.0						
	105.5	5525	13.79	14.0						
802.11ax-HE20 MCS0	100	5500	11.00	14.0						
	116	5580	11.00	14.0						
	124	5620	11.00	14.0						
	132	5660	11.00	14.0						
	140	5700	11.00	14.0						
	144	5720	11.00	14.0						
	102	5510	11.00	14.0						
	110	5550	11.00	14.0						
	126	5630	11.00	14.0						
	134	5670	11.00	14.0						
802.11ax-HE40 MCS0	142	5710	11.00	14.0						
	122	5610	11.00	14.0						
	138	5690	11.00	14.0						
	114	5570	11.00	14.0						
	105.5	5525	13.79	14.0						
802.11ax-HE80 MCS0	138	5690	11.00	14.0						
802.11ax-HE160 MCS0	114	5570	11.00	14.0						

5GHz WLAN			Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	Not Required	Not Required	Not Required	11.00	14.0	93.44
		157	5785					11.00	14.0	
		165	5825					11.00	14.0	
	802.11n-HT20 MCS0	149	5745					11.00	14.0	
		157	5785					11.00	14.0	
		165	5825					11.00	14.0	
	802.11n-HT40 MCS0	151	5755					11.00	14.0	
		159	5795					11.00	14.0	
		149	5745					11.00	14.0	
	802.11ac-VHT20 MCS0	157	5785					11.00	14.0	
		165	5825					11.00	14.0	
		151	5755					11.00	14.0	
	802.11ac-VHT40 MCS0	159	5795					11.00	14.0	
		155	5775					11.00	14.0	
		149	5745					11.00	14.0	
	802.11ax-HE20 MCS0	157	5785					11.00	14.0	
		165	5825					11.00	14.0	
		151	5755					11.00	14.0	
	802.11ax-HE40 MCS0	159	5795					11.00	14.0	
		155	5775					11.00	14.0	
149		5745	11.00	14.0						
802.11ax-HE80 MCS0	155	5775	11.00	14.0						



2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	8.95	9.00	8.85	9.00	11.76	12.0	98.91
		6	2437	8.95	9.00	8.75	9.00	11.86	12.0	
		11	2462	8.95	9.00	8.95	9.00	11.96	12.0	
		12	2467	8.95	9.00	8.75	9.00	11.86	12.0	
	802.11g 6Mbps	13	2472	8.85	9.00	8.85	9.00	11.86	12.0	93.44
		1	2412		9.00		9.00		12.0	
		6	2437		9.00		9.00		12.0	
		11	2462		9.00		9.00		12.0	
		12	2467		9.00		9.00		12.0	
	802.11n-HT20 MCS0	13	2472		9.00		9.00		12.0	93.03
		1	2412		9.00		9.00		12.0	
		6	2437		9.00		9.00		12.0	
11		2462		9.00		9.00		12.0		
802.11ac-VHT20 MCS0	12	2467		9.00		9.00		12.0	97.23	
	13	2472		9.00		9.00		12.0		
	1	2412		9.00		9.00		12.0		
	6	2437		9.00		9.00		12.0		
802.11ax-HE20 MCS0	11	2462		9.00		9.00		12.0	95.22	
	12	2467		9.00		9.00		12.0		
	13	2472		9.00		9.00		12.0		
	13	2472		9.00		9.00		12.0		

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180		12.00		12.00		15.0	93.44
		40	5200		12.00		12.00		15.0	
		44	5220		12.00		12.00		15.0	
		48	5240		12.00		12.00		15.0	
	802.11n-HT20 MCS0	36	5180		12.00		12.00		15.0	93.03
		40	5200		12.00		12.00		15.0	
		44	5220		12.00		12.00		15.0	
		48	5240		12.00		12.00		15.0	
	802.11n-HT40 MCS0	38	5190		12.00		12.00		15.0	96.13
		46	5230		12.00		12.00		15.0	
	802.11ac-VHT20 MCS0	36	5180		12.00		12.00		15.0	96.91
		40	5200		12.00		12.00		15.0	
		44	5220		12.00		12.00		15.0	
	802.11ac-VHT40 MCS0	48	5240		12.00		12.00		15.0	93.88
		38	5190		12.00		12.00		15.0	
	46	5230		12.00		12.00		15.0		
	802.11ac-VHT80 MCS0	42	5210	12.00	12.00	10.95	12.00	14.52	15.0	87.81
	802.11ax-HE20 MCS0	36	5180		12.00		12.00		15.0	96.02
		40	5200		12.00		12.00		15.0	
		44	5220		12.00		12.00		15.0	
		48	5240		12.00		12.00		15.0	
	802.11ax-HE40 MCS0	38	5190		12.00		12.00		15.0	92.51
		46	5230		12.00		12.00		15.0	
	802.11ax-HE80 MCS0	42	5210		12.00		12.00		15.0	85.99

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260		12.00		12.00		15.0	93.44
		56	5280		12.00		12.00		15.0	
		60	5300		12.00		12.00		15.0	
		64	5320		12.00		12.00		15.0	
	802.11n-HT20 MCS0	52	5260		12.00		12.00		15.0	93.03
		56	5280		12.00		12.00		15.0	
		60	5300		12.00		12.00		15.0	
		64	5320		12.00		12.00		15.0	
	802.11n-HT40 MCS0	54	5270		12.00		12.00		15.0	96.13
		62	5310		12.00		12.00		15.0	
	802.11ac-VHT20 MCS0	52	5260		12.00		12.00		15.0	96.91
		56	5280		12.00		12.00		15.0	
		60	5300		12.00		12.00		15.0	
		64	5320		12.00		12.00		15.0	
	802.11ac-VHT40 MCS0	54	5270		12.00		12.00		15.0	93.88
		62	5310		12.00		12.00		15.0	
	802.11ac-VHT80 MCS0	58	5290		12.00		12.00		15.0	87.81
	802.11ac-VHT160 MCS0	50	5250	11.50	12.00	10.65	12.00	14.11	15.0	88.09
	802.11ax-HE20 MCS0	52	5260		12.00		12.00		15.0	96.02
		56	5280		12.00		12.00		15.0	
		60	5300		12.00		12.00		15.0	
		64	5320		12.00		12.00		15.0	
	802.11ax-HE40 MCS0	54	5270		12.00		12.00		15.0	92.51
		62	5310		12.00		12.00		15.0	
802.11ax-HE80 MCS0	58	5290		12.00		12.00		15.0	85.99	
802.11ax-HE160 MCS0	50	5250		12.00		12.00		15.0	86.19	



5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	12.00	Not Required	12.00	15.0		
		116	5580							
		124	5620							
		132	5660							
		140	5700							
	802.11n-HT20 MCS0	144	5720						12.00	15.0
		100	5500							
		116	5580							
		124	5620							
		140	5700							
	802.11n-HT40 MCS0	102	5510						12.00	15.0
		110	5550							
		126	5630							
		134	5670							
		142	5710							
	802.11ac-VHT20 MCS0	116	5580						12.00	15.0
		124	5620							
		132	5660							
		140	5700							
		144	5720							
802.11ac-VHT40 MCS0	102	5510	12.00	15.0						
	110	5550								
	126	5630								
	134	5670								
	142	5710								
802.11ac-VHT80 MCS0	122	5610	12.00	15.0						
	138	5690								
	114	5570								
802.11ac-VHT160 MCS0	114	5570	11.00	12.00	10.55	12.00	13.79	15.0	88.09	
802.11ax-HE20 MCS0	100	5500	Not Required	12.00	Not Required	12.00	15.0			
	116	5580								
	124	5620								
	132	5660								
	140	5700								
	144	5720								
	802.11ax-HE40 MCS0	102						5510	12.00	15.0
		110						5550		
		126						5630		
		134						5670		
142		5710								
802.11ax-HE80 MCS0	122	5610	12.00	15.0						
	138	5690								
802.11ax-HE160 MCS0	114	5570	12.00	12.00	15.0	15.0	86.19			

5.8GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit							
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	11.50	Not Required	11.50	14.5							
		157	5785												
		165	5825												
	802.11n-HT20 MCS0	149	5745						11.50	14.5					
		157	5785												
		165	5825												
	802.11n-HT40 MCS0	151	5755						11.50	14.5					
		159	5795												
		149	5745												
	802.11ac-VHT20 MCS0	157	5785						11.50	14.5					
		165	5825												
		151	5755												
	802.11ac-VHT40 MCS0	159	5795						11.50	14.5					
		155	5775												
	802.11ac-VHT80 MCS0	155	5775						11.00	11.50	9.50	11.50	13.35	14.5	87.81
	802.11ax-HE20 MCS0	149	5745						Not Required	11.50	Not Required	11.50	14.5		
		157	5785												
		165	5825												
	802.11ax-HE40 MCS0	151	5755						11.50	14.5					
		159	5795												
802.11ax-HE80 MCS0	155	5775	11.50	11.50	14.5	14.5	85.99								



2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11b 1Mbps	1	2412	19.00	19.50	18.50	19.50	21.77	22.5	98.91	
	6	2437	19.15	19.50	19.10	19.50	22.14	22.5		
	11	2462	19.50	19.50	19.10	19.50	22.31	22.5		
	12	2467	19.05	19.50	18.70	19.50	21.89	22.5		
	13	2472	19.15	19.50	18.90	19.50	22.04	22.5	93.44	
	802.11g 6Mbps	1	2412		19.50		19.50			22.5
		6	2437		19.50		19.50			22.5
		11	2462		19.50		19.50			22.5
		12	2467		19.50		19.50			22.5
		13	2472		17.50		17.50			20.5
	802.11n-HT20 MCS0	1	2412		19.50		19.50			22.5
		6	2437		19.50		19.50			22.5
11		2462		19.50		19.50		22.5		
12		2467		19.00		19.00		22.0		
802.11ac-VHT20 MCS0	1	2412	Not Required	16.50	Not Required	16.50	Not Required	19.5		97.23
	6	2437		19.50		19.50		22.5		
	11	2462		19.50		19.50		22.5		
	12	2467		19.00		19.00		22.0		
802.11ax-HE20 MCS0	1	2412		19.50		19.50		22.5	95.22	
	6	2437		19.50		19.50		22.5		
	11	2462		19.50		19.50		22.5		
	12	2467		19.00		19.00		22.0		
13	2472		16.50		16.50		19.5			

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	36	5180	18.50	18.50	18.25	18.50	21.39	21.5	93.44	
	40	5200	18.50	18.50	18.15	18.50	21.34	21.5		
	44	5220	18.40	18.50	17.95	18.50	21.19	21.5		
	48	5240	18.10	18.50	17.95	18.50	21.04	21.5		
802.11n-HT20 MCS0	36	5180	17.80	18.50	18.05	18.50	20.94	21.5	93.03	
	40	5200	18.20	18.50	18.05	18.50	21.14	21.5		
	44	5220	18.10	18.50	18.25	18.50	21.19	21.5		
802.11n-HT40 MCS0	48	5240	18.70	19.00	18.55	19.00	21.64	22.0	96.13	
	38	5190	17.10	17.50	16.65	17.50	19.89	20.5		
	46	5230	20.00	20.00	19.75	20.00	22.89	23.0		
802.11ac-VHT20 MCS0	36	5180	17.80	18.50	18.15	18.50	20.99	21.5	96.91	
	40	5200	18.30	18.50	18.05	18.50	21.19	21.5		
	44	5220	18.10	18.50	18.35	18.50	21.24	21.5		
	48	5240	18.80	19.00	18.55	19.00	21.69	22.0		
802.11ac-VHT40 MCS0	38	5190	17.10	17.50	16.75	17.50	19.94	20.5	93.88	
	46	5230	20.00	20.00	19.85	20.00	22.94	23.0		
802.11ac-VHT80 MCS0	42	5210	16.70	17.00	16.15	17.00	19.44	20.0	87.81	
802.11ax-HE20 MCS0	36	5180	17.80	18.50	18.25	18.50	21.04	21.5	96.02	
	40	5200	18.30	18.50	18.05	18.50	21.24	21.5		
	44	5220	18.10	18.50	18.45	18.50	21.29	21.5		
	48	5240	18.80	19.00	18.65	19.00	21.74	22.0		
802.11ax-HE40 MCS0	38	5190	17.20	17.50	16.75	17.50	19.99	20.5	92.51	
	46	5230	20.00	20.00	19.95	20.00	22.99	23.0		
802.11ax-HE80 MCS0	42	5210	16.80	17.00	16.15	17.00	19.50	20.0	85.99	



5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.80	19.00	18.25	19.00	21.54	22.0	93.44
		56	5280	18.70	19.00	18.35	19.00	21.54	22.0	
		60	5300	18.60	19.00	18.55	19.00	21.59	22.0	
		64	5320	18.60	19.00	18.35	19.00	21.49	22.0	
	802.11n-HT20 MCS0	52	5260	Not Required	19.00	Not Required	19.00	Not Required	22.0	93.03
		56	5280		19.00		19.00			
		60	5300		19.00		19.00			
		64	5320		17.50		20.5			
	802.11n-HT40 MCS0	54	5270	19.40	19.50	19.05	19.50	22.24	22.5	96.13
		62	5310	16.60	17.00	16.45	17.00	19.54	20.0	
	802.11ac-VHT20 MCS0	52	5260	Not Required	19.00	Not Required	19.00	Not Required	22.0	96.91
		56	5280		19.00		19.00			
		60	5300		19.00		19.00			
		64	5320		17.50		20.5			
	802.11ac-VHT40 MCS0	54	5270	19.50	19.50	19.50	19.50	22.5	93.88	
		62	5310	17.00	17.00	17.00	17.00	20.0		
	802.11ac-VHT80 MCS0	58	5290	16.00	16.00	16.00	16.00	19.0	19.0	87.81
	802.11ac-VHT160 MCS0	50	5250	15.00	15.00	15.00	15.00	18.0	18.0	88.09
	802.11ax-HE20 MCS0	52	5260	Not Required	19.00	Not Required	19.00	Not Required	22.0	96.02
		56	5280		19.00		19.00			
		60	5300		19.00		19.00			
		64	5320		17.50		20.5			
	802.11ax-HE40 MCS0	54	5270	19.50	19.50	19.50	19.50	22.5	92.51	
		62	5310	17.00	17.00	17.00	17.00	20.0		
802.11ax-HE80 MCS0	58	5290	16.00	16.00	16.00	16.00	19.0	19.0	85.99	
802.11ax-HE160 MCS0	50	5250	15.00	15.00	15.00	15.00	18.0	18.0	86.19	

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit						
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	17.00	Not Required	17.00	Not Required	20.0	93.44				
		116	5580		19.00		19.00							
		124	5620		19.00		19.00							
		132	5660		19.00		19.00							
		140	5700		17.00		17.00							
		144	5720		19.00		19.00							
	802.11n-HT20 MCS0	100	5500	Not Required	17.00	Not Required	17.00	Not Required	20.0	93.03				
		116	5580		19.00		19.00							
		124	5620		19.00		19.00							
		132	5660		19.00		19.00							
		140	5700		17.50		17.50							
		144	5720		17.50		17.50							
	802.11n-HT40 MCS0	110	5550	Not Required	19.00	Not Required	19.00	Not Required	22.0	96.13				
		126	5630		19.00		19.00							
		134	5670		19.00		19.00							
		142	5710		19.00		19.00							
		116	5580		19.00		19.00							
		124	5620		19.00		19.00							
	802.11ac-VHT20 MCS0	132	5660	Not Required	19.00	Not Required	19.00	Not Required	22.0	96.91				
		140	5700		17.50		17.50							
		144	5720		19.00		19.00							
		102	5510		17.50		17.50							
		110	5550		19.00		19.00							
		126	5630		19.00		19.00							
	802.11ac-VHT40 MCS0	134	5670	Not Required	19.00	Not Required	19.00	Not Required	22.0	93.88				
		142	5710		19.00		19.00							
		106	5530		17.50		18.00		17.35		18.00	20.44	21.0	87.81
		122	5610		17.96		19.00		17.24		19.00	20.63	22.0	
		138	5690		17.82		19.00		17.01		19.00	20.44	22.0	
		802.11ac-VHT160 MCS0	114		5570		17.00		17.00		17.00	17.00	20.0	20.0
	802.11ax-HE20 MCS0	100	5500	Not Required	17.00	Not Required	17.00	Not Required	20.0	96.02				
		116	5580		19.00		19.00							
		124	5620		19.00		19.00							
		132	5660		19.00		19.00							
		140	5700		17.50		17.50							
		144	5720		19.00		19.00							
	802.11ax-HE40 MCS0	102	5510	Not Required	17.50	Not Required	17.50	Not Required	20.5	92.51				
		110	5550		19.00		19.00							
		126	5630		19.00		19.00							
		134	5670		19.00		19.00							
		142	5710		19.00		19.00							
		122	5610		19.00		19.00							
	802.11ax-HE80 MCS0	138	5690	19.00	19.00	19.00	19.00	22.0	22.0	85.99				
	802.11ax-HE160 MCS0	114	5570	17.00	17.00	17.00	17.00	20.0	20.0	86.19				

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	19.50	Not Required	19.50	Not Required	22.5	93.44
		157	5785		19.50		19.50			
		165	5825		19.50		19.50			
	802.11n-HT20 MCS0	149	5745	Not Required	19.50	Not Required	19.50	Not Required	22.5	93.03
		157	5785		19.50		19.50			
		165	5825		19.50		19.50			
	802.11n-HT40 MCS0	151	5755	18.46	19.50	17.50	19.50	21.02	22.5	96.13
	802.11ac-VHT20 MCS0	149	5745	Not Required	19.50	Not Required	19.50	Not Required	22.5	96.91
		157	5785		19.50		19.50			
		165	5825		19.50		19.50			
	802.11ac-VHT40 MCS0	151	5755	Not Required	19.50	Not Required	19.50	Not Required	22.5	93.88
		159	5795		19.50		19.50			
	802.11ac-VHT80 MCS0	155	5775	19.07	20.00	18.01	20.00	21.58	23.0	87.81
	802.11ax-HE20 MCS0	149	5745	Not Required	19.50	Not Required	19.50	Not Required	22.5	96.02
		157	5785		19.50		19.50			
		165	5825		19.50		19.50			
	802.11ax-HE40 MCS0	151	5755	Not Required	19.50	Not Required	19.50	Not Required	22.5	92.51
		159	5795		19.50		19.50			
	802.11ax-HE80 MCS0	155	5775	20.00	20.00	20.00	20.00	23.0	23.0	85.99



2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.00	19.50	18.50	19.50	21.77	22.5	98.91	
		6	2437	19.15	19.50	19.10	19.50	22.14	22.5		
		11	2462	19.50	19.50	19.10	19.50	22.31	22.5		
		12	2467	19.05	19.50	18.70	19.50	21.89	22.5		
	802.11g 6Mbps	1	2412	Not Required	19.50	Not Required	19.50	Not Required	22.04	22.5	93.44
		6	2437		19.50		19.50		22.5		
		11	2462		19.50		19.50		22.5		
		12	2467		19.50		19.50		22.5		
	802.11n-HT20 MCS0	1	2412	Not Required	19.50	Not Required	19.50	Not Required	22.5	93.03	
		6	2437		19.50		19.50		22.5		
		11	2462		19.50		19.50		22.5		
		12	2467		19.00		19.00		22.0		
802.11ac-VHT20 MCS0	1	2412	Not Required	16.50	Not Required	16.50	Not Required	19.5	97.23		
	6	2437		19.50		19.50		22.5			
	11	2462		19.50		19.50		22.5			
	12	2467		19.00		19.00		22.0			
802.11ax-HE20 MCS0	1	2412	Not Required	19.50	Not Required	19.50	Not Required	22.5	95.22		
	6	2437		19.50		19.50		22.5			
	11	2462		19.50		19.50		22.5			
	12	2467		19.00		19.00		22.0			
		13	2472	16.50		16.50		19.5			

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.50	18.50	18.25	18.50	21.39	21.5	93.44
		40	5200	18.50	18.50	18.15	18.50	21.34	21.5	
		44	5220	18.40	18.50	17.95	18.50	21.19	21.5	
		48	5240	18.10	18.50	17.95	18.50	21.04	21.5	
	802.11n-HT20 MCS0	36	5180	17.80	18.50	18.05	18.50	20.94	21.5	93.03
		40	5200	18.20	18.50	18.05	18.50	21.14	21.5	
		44	5220	18.10	18.50	18.25	18.50	21.19	21.5	
		48	5240	18.70	19.00	18.55	19.00	21.64	22.0	
	802.11n-HT40 MCS0	38	5190	17.10	17.50	16.65	17.50	19.89	20.5	96.13
		46	5230	20.00	20.00	19.75	20.00	22.89	23.0	
		36	5180	17.80	18.50	18.15	18.50	20.99	21.5	
		40	5200	18.30	18.50	18.05	18.50	21.19	21.5	
	802.11ac-VHT20 MCS0	44	5220	18.10	18.50	18.35	18.50	21.24	21.5	96.91
		48	5240	18.80	19.00	18.55	19.00	21.69	22.0	
		38	5190	17.10	17.50	16.75	17.50	19.94	20.5	
		46	5230	20.00	20.00	19.85	20.00	22.94	23.0	
	802.11ac-VHT40 MCS0	42	5210	16.70	17.00	16.15	17.00	19.44	20.0	87.81
		36	5180	17.80	18.50	18.25	18.50	21.04	21.5	
		40	5200	18.30	18.50	18.05	18.50	21.24	21.5	
		44	5220	18.10	18.50	18.45	18.50	21.29	21.5	
	802.11ax-HE20 MCS0	48	5240	18.80	19.00	18.65	19.00	21.74	22.0	96.02
		38	5190	17.20	17.50	16.75	17.50	19.99	20.5	
		46	5230	20.00	20.00	19.95	20.00	22.99	23.0	
		42	5210	16.80	17.00	16.15	17.00	19.50	20.0	
802.11ax-HE40 MCS0									92.51	
802.11ax-HE80 MCS0									85.99	

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.80	19.00	18.25	19.00	21.54	22.0	93.44	
		56	5280	18.70	19.00	18.35	19.00	21.54	22.0		
		60	5300	18.60	19.00	18.55	19.00	21.59	22.0		
		64	5320	18.60	19.00	18.35	19.00	21.49	22.0		
	802.11n-HT20 MCS0	52	5260	Not Required	19.00	Not Required	19.00	Not Required	22.0	93.03	
		56	5280		19.00		19.00		22.0		
		60	5300		19.00		19.00		22.0		
		64	5320		17.50		17.50		20.5		
	802.11n-HT40 MCS0	54	5270	19.40	19.50	19.05	19.50	22.24	22.5	96.13	
		62	5310	16.60	17.00	16.45	17.00	19.54	20.0		
		52	5260	Not Required	19.00	Not Required	19.00	Not Required	22.0		96.91
		56	5280		19.00		19.00		22.0		
	60	5300	19.00		19.00		22.0				
	64	5320	17.50		17.50		20.5				
	802.11ac-VHT40 MCS0	54	5270	Not Required	19.50	Not Required	19.50	Not Required	22.5	93.88	
		62	5310		17.00		17.00		20.0		
		58	5290		16.00		16.00		19.0		
		50	5250		15.00		15.00		18.0		
	802.11ac-VHT80 MCS0	52	5260	Not Required	19.00	Not Required	19.00	Not Required	22.0	88.09	
		56	5280		19.00		19.00		22.0		
		60	5300		19.00		19.00		22.0		
		64	5320		19.00		19.00		22.0		
	802.11ax-HE20 MCS0	54	5270	Not Required	17.50	Not Required	17.50	Not Required	20.5	96.02	
		62	5310		17.00		17.00		20.0		
58		5290	16.00		16.00		19.0				
50		5250	15.00		15.00		18.0				
802.11ax-HE40 MCS0	54	5270	Not Required	19.50	Not Required	19.50	Not Required	22.5	92.51		
	62	5310		17.00		17.00		20.0			
	58	5290		16.00		16.00		19.0			
	50	5250		15.00		15.00		18.0			
802.11ax-HE80 MCS0									85.99		
802.11ax-HE160 MCS0									86.19		



5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500		17.00		17.00		20.0	93.44
		116	5580		18.50		18.50		21.5	
		124	5620		18.50		18.50		21.5	
		132	5660		18.50		18.50		21.5	
		140	5700		17.00		17.00		20.0	
		144	5720		18.50		18.50		21.5	
	802.11n-HT20 MCS0	100	5500		17.00		17.00		20.0	93.03
		116	5580		18.50		18.50		21.5	
		124	5620		18.50		18.50		21.5	
		132	5660		18.50		18.50		21.5	
		140	5700		17.50		17.50		20.5	
		102	5510		17.50		17.50		20.5	
	802.11n-HT40 MCS0	110	5550	Not Required	18.50	Not Required	18.50	Not Required	21.5	96.13
		126	5630		18.50		18.50		21.5	
		134	5670		18.50		18.50		21.5	
		142	5710		18.50		18.50		21.5	
		116	5580		18.50		18.50		21.5	
		124	5620		18.50		18.50		21.5	
	802.11ac-VHT20 MCS0	132	5660		18.50		18.50		21.5	96.91
		140	5700		17.50		17.50		20.5	
		144	5720		18.50		18.50		21.5	
		102	5510		17.50		17.50		20.5	
		110	5550		18.50		18.50		21.5	
		126	5630		18.50		18.50		21.5	
802.11ac-VHT40 MCS0	126	5630		18.50		18.50		21.5	93.88	
	134	5670		18.50		18.50		21.5		
	142	5710		18.50		18.50		21.5		
	106	5530	17.50	18.00	17.35	18.00	20.44	21.0		
	122	5610	17.96	18.50	17.24	18.50	20.63	21.5		
	138	5690	17.82	18.50	17.01	18.50	20.44	21.5		
802.11ac-VHT80 MCS0	114	5570		17.00		17.00		20.0	88.09	
	100	5500		17.00		17.00		20.0		
	116	5580		18.50		18.50		21.5		
	124	5620		18.50		18.50		21.5		
	132	5660		18.50		18.50		21.5		
	140	5700		17.50		17.50		20.5		
802.11ax-HE20 MCS0	144	5720		18.50		18.50		21.5	96.02	
	102	5510	Not Required	17.50	Not Required	17.50	Not Required	20.5		
	110	5550		18.50		18.50		21.5		
	126	5630		18.50		18.50		21.5		
	134	5670		18.50		18.50		21.5		
	142	5710		18.50		18.50		21.5		
802.11ax-HE40 MCS0	126	5630		18.50		18.50		21.5	92.51	
	134	5670		18.50		18.50		21.5		
	142	5710		18.50		18.50		21.5		
	122	5610		18.50		18.50		21.5		
	138	5690		18.50		18.50		21.5		
	114	5570		17.00		17.00		20.0		
802.11ax-HE80 MCS0	138	5690		18.50		18.50		21.5	85.99	
802.11ax-HE160 MCS0	114	5570		17.00		17.00		20.0	86.19	

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745		19.00		19.00		22.0	93.44
		157	5785		19.00		19.00		22.0	
		165	5825		19.00		19.00		22.0	
	802.11n-HT20 MCS0	149	5745	Not Required	19.00	Not Required	19.00	Not Required	22.0	93.03
		157	5785		19.00		19.00		22.0	
		165	5825		19.00		19.00		22.0	
	802.11n-HT40 MCS0	151	5755	18.46	19.00	17.50	19.00	21.02	22.0	96.13
		159	5795	18.44	19.00	17.51	19.00	21.01	22.0	
		149	5745		19.00		19.00		22.0	
	802.11ac-VHT20 MCS0	157	5785		19.00		19.00		22.0	96.91
		165	5825	Not Required	19.00	Not Required	19.00	Not Required	22.0	
		151	5755		19.00		19.00		22.0	
	802.11ac-VHT40 MCS0	159	5795		19.00		19.00		22.0	93.88
		155	5775	19.07	19.50	18.01	19.50	21.58	22.5	
		149	5745		19.00		19.00		22.0	
	802.11ax-HE20 MCS0	157	5785		19.00		19.00		22.0	96.02
		165	5825	Not Required	19.00	Not Required	19.00	Not Required	22.0	
		151	5755		19.00		19.00		22.0	
	802.11ax-HE40 MCS0	159	5795		19.00		19.00		22.0	92.51
		155	5775		19.50		19.50		22.5	
		155	5775		19.50		19.50		22.5	
	802.11ax-HE80 MCS0	155	5775		19.50		19.50		22.5	85.99



2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
802.11b 1Mbps	1	2412	17.40	18.50	17.00	18.50	20.21	21.5	98.91		
	6	2437	17.70	18.50	17.40	18.50	20.56	21.5			
	11	2462	17.70	18.50	17.35	18.50	20.54	21.5			
	12	2467	17.50	18.50	17.00	18.50	20.27	21.5			
	13	2472	17.70	18.50	17.20	18.50	20.47	21.5			
	802.11g 6Mbps	1	2412		18.50		18.50			21.5	93.44
		6	2437		18.50		18.50			21.5	
		11	2462		18.50		18.50			21.5	
		12	2467		18.50		18.50			21.5	
		13	2472		17.50		17.50			20.5	
	802.11n-HT20 MCS0	1	2412		18.50		18.50			21.5	93.03
		6	2437		18.50		18.50			21.5	
11		2462		18.50		18.50		21.5			
12		2467		18.50		18.50		21.5			
802.11ac-VHT20 MCS0	1	2412	Not Required	16.50	Not Required	16.50	Not Required	19.5	97.23		
	6	2437		18.50		18.50		21.5			
	11	2462		18.50		18.50		21.5			
	12	2467		18.50		18.50		21.5			
802.11ax-HE20 MCS0	1	2412		18.50		18.50		21.5	95.22		
	6	2437		18.50		18.50		21.5			
	11	2462		18.50		18.50		21.5			
	12	2467		18.50		18.50		21.5			

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	36	5180		17.50		17.50		20.5	93.44	
	40	5200		17.50		17.50		20.5		
	44	5220		17.50		17.50		20.5		
	48	5240		17.50		17.50		20.5		
802.11n-HT20 MCS0	36	5180	Not Required	17.50	Not Required	17.50	Not Required	20.5	93.03	
	40	5200		17.50		17.50		20.5		
	44	5220		17.50		17.50		20.5		
	48	5240		17.50		17.50		20.5		
802.11n-HT40 MCS0	38	5190	16.66	17.50	15.88	17.50	19.30	20.5	96.13	
	46	5230	16.95	17.50	16.51	17.50	19.75	20.5		
802.11ac-VHT20 MCS0	36	5180		17.50		17.50		20.5	96.91	
	40	5200		17.50		17.50		20.5		
	44	5220		17.50		17.50		20.5		
	48	5240		17.50		17.50		20.5		
802.11ac-VHT40 MCS0	38	5190		17.50		17.50		20.5	93.88	
	46	5230		17.50		17.50		20.5		
802.11ac-VHT80 MCS0	42	5210	Not Required	17.00	Not Required	17.00	Not Required	20.0	87.81	
	36	5180		17.50		17.50		20.5		
802.11ax-HE20 MCS0	40	5200		17.50		17.50		20.5	96.02	
	44	5220		17.50		17.50		20.5		
	48	5240		17.50		17.50		20.5		
	38	5190		17.50		17.50		20.5		
802.11ax-HE40 MCS0	46	5230		17.50		17.50		20.5	92.51	
	42	5210		17.00		17.00		20.0		

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	52	5260	17.91	19.00	17.44	19.00	20.69	22.0	93.44	
	56	5280	17.82	19.00	17.83	19.00	20.74	22.0		
	60	5300	17.94	19.00	17.91	19.00	20.94	22.0		
	64	5320	17.82	19.00	17.75	19.00	20.86	22.0		
802.11n-HT20 MCS0	52	5260		19.00		19.00		22.0	93.03	
	56	5280	Not Required	19.00	Not Required	19.00	Not Required	22.0		
	60	5300		19.00		19.00		22.0		
	64	5320		17.50		17.50		20.5		
802.11n-HT40 MCS0	54	5270	18.78	19.00	18.30	19.00	21.56	22.0	96.13	
	62	5310	16.60	17.00	16.45	17.00	19.54	20.0		
802.11ac-VHT20 MCS0	52	5260		19.00		19.00		22.0	96.91	
	56	5280		19.00		19.00		22.0		
	60	5300		19.00		19.00		22.0		
	64	5320		17.50		17.50		20.5		
802.11ac-VHT40 MCS0	54	5270		19.00		19.00		22.0	93.88	
	62	5310		17.00		17.00		20.0		
802.11ac-VHT80 MCS0	58	5290		16.00		16.00		19.0	87.81	
	50	5250	Not Required	15.00	Not Required	15.00	Not Required	18.0		
802.11ax-HE20 MCS0	52	5260		19.00		19.00		22.0	96.02	
	56	5280		19.00		19.00		22.0		
	60	5300		19.00		19.00		22.0		
	64	5320		17.50		17.50		20.5		
802.11ax-HE40 MCS0	54	5270		19.00		19.00		22.0	92.51	
	62	5310		17.00		17.00		20.0		
802.11ax-HE80 MCS0	58	5290		16.00		16.00		19.0	85.99	
	50	5250		15.00		15.00		18.0		



5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	Not Required	Not Required	Not Required	17.00	20.0	93.44
		116	5580					17.00	20.0	
		124	5620					17.00	20.0	
		132	5660					17.00	20.0	
		140	5700					17.00	20.0	
		144	5720					17.00	20.0	
	802.11n-HT20 MCS0	100	5500					17.00	20.0	93.03
		116	5580					17.00	20.0	
		124	5620					17.00	20.0	
		132	5660					17.00	20.0	
		140	5700					17.00	20.0	
		144	5720					17.00	20.0	
	802.11n-HT40 MCS0	102	5510					17.00	20.0	96.13
		110	5550					17.00	20.0	
		126	5630					17.00	20.0	
		134	5670					17.00	20.0	
		142	5710					17.00	20.0	
		116	5580					17.00	20.0	
	802.11ac-VHT20 MCS0	124	5620					17.00	20.0	96.91
		132	5660					17.00	20.0	
		140	5700					17.00	20.0	
		144	5720					17.00	20.0	
		102	5510					17.00	20.0	
		110	5550					17.00	20.0	
	802.11ac-VHT40 MCS0	126	5630					17.00	20.0	93.88
		134	5670					17.00	20.0	
		142	5710					17.00	20.0	
		122	5610					17.00	20.0	
		138	5690					17.00	20.0	
		114	5570					17.00	20.0	
802.11ac-VHT160 MCS0	114	5570	17.00	16.75	17.00	19.89	20.0	88.09		
802.11ax-HE20 MCS0	100	5500	17.00	20.0	96.02					
	116	5580	17.00	20.0						
	124	5620	17.00	20.0						
	132	5660	17.00	20.0						
	140	5700	17.00	20.0						
	144	5720	17.00	20.0						
802.11ax-HE40 MCS0	102	5510	17.00	20.0	92.51					
	110	5550	17.00	20.0						
	126	5630	17.00	20.0						
	134	5670	17.00	20.0						
	142	5710	17.00	20.0						
	122	5610	17.00	20.0						
802.11ax-HE80 MCS0	138	5690	17.00	20.0	85.99					
802.11ax-HE160 MCS0	114	5570	17.00	20.0	86.19					

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	Not Required	Not Required	Not Required	18.00	21.0	93.44		
		157	5785					18.00	21.0			
		165	5825					18.00	21.0			
		149	5745					18.00	21.0			
		157	5785					18.00	21.0			
		165	5825					18.00	21.0			
	802.11n-HT20 MCS0	149	5745					18.00	21.0	93.03		
		157	5785					18.00	21.0			
		165	5825					18.00	21.0			
		151	5755					18.00	21.0			
		159	5795					18.00	21.0			
		149	5745					18.00	21.0			
	802.11n-HT40 MCS0	151	5755					18.00	21.0	96.13		
		159	5795					18.00	21.0			
		149	5745					18.00	21.0			
		157	5785					18.00	21.0			
		165	5825					18.00	21.0			
		151	5755					18.00	21.0			
	802.11ac-VHT20 MCS0	157	5785					18.00	21.0	96.91		
		165	5825					18.00	21.0			
		151	5755					18.00	21.0			
		159	5795					18.00	21.0			
		155	5775					17.44	18.00		19.93	21.0
		149	5745					18.00	21.0			
	802.11ac-VHT40 MCS0	149	5745					18.00	21.0	87.81		
		157	5785					18.00	21.0			
		165	5825					18.00	21.0			
		151	5755					18.00	21.0			
		159	5795					18.00	21.0			
		155	5775					17.44	18.00		19.93	21.0
802.11ax-HE20 MCS0	149	5745	18.00	21.0	96.02							
	157	5785	18.00	21.0								
	165	5825	18.00	21.0								
	151	5755	18.00	21.0								
	159	5795	18.00	21.0								
	155	5775	17.44	18.00		19.93	21.0					
802.11ax-HE40 MCS0	151	5755	18.00	21.0	92.51							
	159	5795	18.00	21.0								
	155	5775	17.44	18.00		19.93	21.0					
	149	5745	18.00	21.0								
	157	5785	18.00	21.0								
	165	5825	18.00	21.0								
802.11ax-HE80 MCS0	151	5755	18.00	21.0	85.99							
	159	5795	18.00	21.0								
	155	5775	17.44	18.00		19.93	21.0					
	149	5745	18.00	21.0								
	157	5785	18.00	21.0								
	165	5825	18.00	21.0								



2.4GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	15.30	15.50	15.10	15.50	18.21	18.5	
	6	2437	15.50	15.50	15.40	15.50	18.40	18.5	
	11	2462	15.10	15.50	15.00	15.50	18.06	18.5	
	12	2467	15.10	15.50	14.70	15.50	17.91	18.5	
	13	2472	15.20	15.50	14.80	15.50	18.01	18.5	
802.11g 6Mbps	1	2412		15.50		15.50		18.5	
	6	2437		15.50		15.50		18.5	
	11	2462		15.50		15.50		18.5	
	12	2467		15.50		15.50		18.5	
	13	2472		15.50		15.50		18.5	
802.11n-HT20 MCS0	1	2412		15.50		15.50		18.5	
	6	2437		15.50		15.50		18.5	
	11	2462		15.50		15.50		18.5	
	12	2467		15.50		15.50		18.5	
	13	2472		15.50		15.50		18.5	
802.11ac-VHT20 MCS0	1	2412	Not Required	15.50	Not Required	15.50	Not Required	18.5	
	6	2437		15.50		15.50		18.5	
	11	2462		15.50		15.50		18.5	
	12	2467		15.50		15.50		18.5	
	13	2472		15.50		15.50		18.5	
802.11ax-HE20 MCS0	1	2412		15.50		15.50		18.5	
	6	2437		15.50		15.50		18.5	
	11	2462		15.50		15.50		18.5	
	12	2467		15.50		15.50		18.5	
	13	2472		15.50		15.50		18.5	

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180		15.00		15.00		18.0	
	40	5200		15.00		15.00		18.0	
	44	5220		15.00		15.00		18.0	
	48	5240		15.00		15.00		18.0	
	36	5180		15.00		15.00		18.0	
802.11n-HT20 MCS0	40	5200		15.00		15.00		18.0	
	44	5220		15.00		15.00		18.0	
	48	5240		15.00		15.00		18.0	
	38	5190	Not Required	15.00	Not Required	15.00	Not Required	18.0	
	46	5230		15.00		15.00		18.0	
802.11ac-VHT20 MCS0	36	5180		15.00		15.00		18.0	
	40	5200		15.00		15.00		18.0	
	44	5220		15.00		15.00		18.0	
	48	5240		15.00		15.00		18.0	
	38	5190		15.00		15.00		18.0	
802.11ac-VHT40 MCS0	46	5230		15.00		15.00		18.0	
	42	5210	14.96	15.00	14.23	15.00	17.62	18.0	
	36	5180		15.00		15.00		18.0	
	40	5200		15.00		15.00		18.0	
	44	5220		15.00		15.00		18.0	
802.11ax-HE20 MCS0	48	5240	Not Required	15.00	Not Required	15.00	Not Required	18.0	
	38	5190		15.00		15.00		18.0	
	46	5230		15.00		15.00		18.0	
	42	5210		15.00		15.00		18.0	
	42	5210		15.00		15.00		18.0	

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260		16.50		16.50		19.5	
	56	5280		16.50		16.50		19.5	
	60	5300		16.50		16.50		19.5	
	64	5320		16.50		16.50		19.5	
	52	5260	Not Required	16.50	Not Required	16.50	Not Required	19.5	
802.11n-HT20 MCS0	56	5280		16.50		16.50		19.5	
	60	5300		16.50		16.50		19.5	
	64	5320		16.50		16.50		19.5	
	54	5270	16.10	16.50	15.50	16.50	18.82	19.5	
	62	5310	15.97	16.50	15.90	16.50	18.95	19.5	
802.11ac-VHT20 MCS0	52	5260		16.50		16.50		19.5	
	56	5280		16.50		16.50		19.5	
	60	5300		16.50		16.50		19.5	
	64	5320		16.50		16.50		19.5	
	54	5270		16.50		16.50		19.5	
802.11ac-VHT40 MCS0	62	5310		16.50		16.50		19.5	
	58	5290		16.00		16.00		19.0	
	50	5250	Not Required	15.00	Not Required	15.00	Not Required	18.0	
	52	5260		16.50		16.50		19.5	
	56	5280		16.50		16.50		19.5	
802.11ax-HE20 MCS0	60	5300		16.50		16.50		19.5	
	64	5320		16.50		16.50		19.5	
	54	5270		16.50		16.50		19.5	
	62	5310		16.50		16.50		19.5	
	58	5290		16.00		16.00		19.0	
802.11ax-HE160 MCS0	50	5250		15.00		15.00		18.0	



5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	Not Required	15.00	Not Required	15.00	Not Required	18.0	
	116	5580		15.00		18.0			
	124	5620		15.00		18.0			
	132	5660		15.00		18.0			
	140	5700		15.00		18.0			
	144	5720		15.00		18.0			
	100	5500		15.00		18.0			
	116	5580		15.00		18.0			
	124	5620		15.00		18.0			
	132	5660		15.00		18.0			
	140	5700		15.00		18.0			
	102	5510		15.00		18.0			
	110	5550		15.00		18.0			
	126	5630		15.00		18.0			
	134	5670		15.00		18.0			
	142	5710		15.00		18.0			
	116	5580		15.00		18.0			
	124	5620		15.00		18.0			
132	5660	15.00	18.0						
140	5700	15.00	18.0						
144	5720	15.00	18.0						
102	5510	15.00	18.0						
110	5550	15.00	18.0						
126	5630	15.00	18.0						
134	5670	15.00	18.0						
142	5710	15.00	18.0						
122	5610	15.00	18.0						
138	5690	15.00	18.0						
802.11ac-VHT160 MCS0	114	5570	14.72	15.00	14.38	15.00	17.56	18.0	
802.11ax-HE20 MCS0	100	5500	Not Required	15.00	Not Required	15.00	Not Required	18.0	
	116	5580		15.00		18.0			
	124	5620		15.00		18.0			
	132	5660		15.00		18.0			
	140	5700		15.00		18.0			
	144	5720		15.00		18.0			
	102	5510		15.00		18.0			
	110	5550		15.00		18.0			
	126	5630		15.00		18.0			
	134	5670		15.00		18.0			
142	5710	15.00	18.0						
802.11ax-HE40 MCS0	122	5610	Not Required	15.00	Not Required	15.00	Not Required	18.0	
	138	5690		15.00		18.0			
	114	5570		15.00		18.0			
	130	5650		15.00		18.0			
802.11ax-HE80 MCS0	114	5570	15.00	15.00	15.00	15.00	18.0		

5.8GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	Not Required	14.50	Not Required	14.50	Not Required	17.5	
	157	5785		14.50		17.5			
	165	5825		14.50		17.5			
802.11n-HT20 MCS0	149	5745	Not Required	14.50	Not Required	14.50	Not Required	17.5	
	157	5785		14.50		17.5			
	165	5825		14.50		17.5			
802.11n-HT40 MCS0	151	5755	Not Required	14.50	Not Required	14.50	Not Required	17.5	
	159	5795		14.50		17.5			
	149	5745		14.50		17.5			
802.11ac-VHT20 MCS0	157	5785	Not Required	14.50	Not Required	14.50	Not Required	17.5	
	165	5825		14.50		17.5			
	151	5755		14.50		17.5			
802.11ac-VHT40 MCS0	159	5795	Not Required	14.50	Not Required	14.50	Not Required	17.5	
	155	5775		13.73		14.50		13.05	14.50
802.11ax-HE20 MCS0	149	5745	Not Required	14.50	Not Required	14.50	Not Required	17.5	
	157	5785		14.50		17.5			
	165	5825		14.50		17.5			
802.11ax-HE40 MCS0	151	5755	Not Required	14.50	Not Required	14.50	Not Required	17.5	
	159	5795		14.50		17.5			
	155	5775		14.50		17.5			
802.11ax-HE80 MCS0	155	5775	14.50	14.50	14.50	14.50	17.5		



5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	16.00	Not Required	16.00	19.0			
		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				
		48	5240		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		14.98		16.00	14.23	16.00	17.62	19.0
		36	5180		16.00		19.0				
	802.11ax-HE20 MCS0	40	5200		16.00		19.0				
		44	5220		16.00		19.0				
		48	5240		16.00		19.0				
		38	5190		16.00		19.0				
	802.11ax-HE40 MCS0	46	5230		16.00		19.0				
		42	5210		16.00		19.0				

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	17.50	Not Required	17.50	20.5			
		56	5280		17.50		20.5				
		60	5300		17.50		20.5				
		64	5320		17.50		20.5				
	802.11n-HT20 MCS0	52	5260		17.50		20.5				
		56	5280		17.50		20.5				
		60	5300		17.50		20.5				
		64	5320		17.50		20.5				
	802.11n-HT40 MCS0	54	5270		16.10		17.50	15.50	17.50	18.82	20.5
		62	5310		15.97		17.00	15.90	17.00	18.95	20.0
	802.11ac-VHT20 MCS0	52	5260		17.50		20.5				
		56	5280		17.50		20.5				
		60	5300		17.50		20.5				
		64	5320		17.50		20.5				
	802.11ac-VHT40 MCS0	54	5270		17.50		20.5				
		62	5310		17.00		20.0				
	802.11ac-VHT80 MCS0	58	5290		16.00		19.0				
		50	5250		15.00		18.0				
	802.11ax-HE20 MCS0	52	5260		17.50		20.5				
		56	5280		17.50		20.5				
		60	5300		17.50		20.5				
		64	5320		17.50		20.5				
	802.11ax-HE40 MCS0	54	5270		17.50		20.5				
		62	5310		17.00		20.0				
802.11ax-HE80 MCS0	58	5290	16.00	19.0							
	50	5250	15.00	18.0							



5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit							
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	Not Required	Not Required	Not Required	16.00	19.0	93.44					
		116	5580					16.00	19.0						
		124	5620					16.00	19.0						
		132	5660					16.00	19.0						
		140	5700					16.00	19.0						
		144	5720					16.00	19.0						
	802.11n-HT20 MCS0	100	5500					16.00	19.0		93.03				
		116	5580					16.00	19.0						
		124	5620					16.00	19.0						
		132	5660					16.00	19.0						
		140	5700					16.00	19.0						
		142	5710					16.00	19.0						
	802.11n-HT40 MCS0	102	5510					16.00	19.0			96.13			
		110	5550					16.00	19.0						
		126	5630					16.00	19.0						
		134	5670					16.00	19.0						
	802.11ac-VHT20 MCS0	142	5710					16.00	19.0				96.91		
		116	5580					16.00	19.0						
		124	5620					16.00	19.0						
		132	5660					16.00	19.0						
	802.11ac-VHT40 MCS0	140	5700					16.00	19.0					93.88	
		144	5720					16.00	19.0						
		102	5510					16.00	19.0						
		110	5550					16.00	19.0						
	802.11ac-VHT80 MCS0	126	5630					16.00	19.0						87.81
		134	5670					16.00	19.0						
		142	5710					16.00	19.0						
		122	5610					16.00	19.0						
802.11ac-VHT80 MCS0	138	5690	16.00	19.0	88.09										
802.11ac-VHT160 MCS0	114	5570	14.72	16.00		14.38	17.56	19.0							
802.11ax-HE20 MCS0	100	5500	16.00	19.0		96.02									
	116	5580	16.00	19.0											
	124	5620	16.00	19.0											
	132	5660	16.00	19.0											
	140	5700	16.00	19.0											
	144	5720	16.00	19.0											
802.11ax-HE40 MCS0	102	5510	16.00	19.0			92.51								
	110	5550	16.00	19.0											
	126	5630	16.00	19.0											
	134	5670	16.00	19.0											
802.11ax-HE80 MCS0	142	5710	16.00	19.0				85.99							
	122	5610	16.00	19.0											
802.11ax-HE80 MCS0	138	5690	16.00	19.0					86.19						
802.11ax-HE160 MCS0	114	5570	16.00	19.0											

5GHz WLAN				Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %								
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit										
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	Not Required	Not Required	Not Required	15.00	18.0	93.44								
		157	5785					15.00	18.0									
		165	5825					15.00	18.0									
	802.11n-HT20 MCS0	149	5745					15.00	18.0		93.03							
		157	5785					15.00	18.0									
		165	5825					15.00	18.0									
	802.11n-HT40 MCS0	151	5755					15.00	18.0			96.13						
		159	5795					15.00	18.0									
	802.11ac-VHT20 MCS0	149	5745					15.00	18.0				96.91					
		157	5785					15.00	18.0									
		165	5825					15.00	18.0									
	802.11ac-VHT40 MCS0	151	5755					15.00	18.0					93.88				
		159	5795					15.00	18.0									
	802.11ac-VHT80 MCS0	155	5775					13.73	15.00						13.05	16.41	18.0	87.81
	802.11ax-HE20 MCS0	149	5745					15.00	18.0						96.02			
		157	5785					15.00	18.0									
		165	5825					15.00	18.0									
	802.11ax-HE40 MCS0	151	5755					15.00	18.0							92.51		
		159	5795					15.00	18.0									
	802.11ax-HE80 MCS0	155	5775					15.00	18.0								85.99	



	Mode	Channel	Frequency (MHz)	Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
WIFI 6E	802.11ax-HE20 MCSO	1	5955	4.70	5.00	3.10	5.00	6.98	8.00	96.02
		57	6235	4.50	5.00	4.30	5.00	7.41	8.00	
		113	6515	3.40	4.00	2.40	4.00	5.94	7.00	
		173	6815	5.60	6.00	4.80	6.00	8.23	9.00	
		233	7115	6.30	7.00	5.60	7.00	8.97	10.00	
	802.11ax-HE40 MCSO	3	5965	7.60	8.00	6.20	8.00	9.97	11.00	92.51
		59	6245	6.60	7.00	6.40	7.00	9.51	10.00	
		107	6485	5.60	6.00	5.50	6.00	8.56	9.00	
		171	6805	7.90	8.00	7.20	8.00	10.57	11.00	
		227	7085	9.00	9.50	8.00	9.50	11.54	12.50	
	802.11ax-HE60 MCSO	7	5985	9.80	10.00	9.00	10.00	12.43	13.00	85.99
		71	6305	9.60	10.00	9.70	10.00	12.66	13.00	
		119	6545	9.40	10.00	8.50	10.00	11.98	13.00	
		167	6785	11.20	11.50	10.40	11.50	13.83	14.50	
		215	7025	11.50	11.50	10.20	11.50	13.91	14.50	
	802.11ax-HE160 MCSO	15	6025	12.30	12.50	11.50	12.50	14.93	15.50	86.19
		47	6185	12.40	12.50	11.80	12.50	15.12	15.50	
		111	6505	11.50	12.00	11.50	12.00	14.51	15.00	
		175	6825	13.60	14.00	13.10	14.00	16.37	17.00	
		207	6985	13.90	14.00	13.10	14.00	16.53	17.00	



Mode	Channel	Frequency (MHz)	Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
WIFI 6E	802.11ax-HE20 MCSO	1	5955	4.70	5.00	3.10	5.00	6.98	8.00	96.02
		57	6235	4.50	5.00	4.30	5.00	7.41	8.00	
		113	6515	3.40	4.00	2.40	4.00	5.94	7.00	
		173	6815	5.60	6.00	4.80	6.00	8.23	9.00	
		233	7115	6.30	7.00	5.60	7.00	8.97	10.00	
	802.11ax-HE40 MCSO	3	5965	7.60	8.00	6.20	8.00	9.97	11.00	92.51
		59	6245	6.60	7.00	6.40	7.00	9.51	10.00	
		107	6485	5.60	6.00	5.50	6.00	8.56	9.00	
		171	6805	7.90	8.00	7.20	8.00	10.57	11.00	
		227	7085	9.00	9.50	8.00	9.50	11.54	12.50	
	802.11ax-HE60 MCSO	7	5985	9.80	10.00	9.00	10.00	12.43	13.00	85.99
		71	6305	9.60	10.00	9.70	10.00	12.66	13.00	
		119	6545	9.40	10.00	8.50	10.00	11.98	13.00	
		167	6785	11.20	11.50	10.40	11.50	13.83	14.50	
		215	7025	11.50	11.50	10.20	11.50	13.91	14.50	
	802.11ax-HE160 MCSO	15	6025	9.30	9.50	8.80	9.50	12.07	12.50	86.19
		47	6185	9.30	9.50	9.10	9.50	12.21	12.50	
		111	6505	9.90	10.00	9.90	10.00	12.91	13.00	
		175	6825	10.40	10.50	9.60	10.50	13.03	13.50	
		207	6985	11.30	11.50	10.10	11.50	13.75	14.50	



	Mode	Channel	Frequency (MHz)	Ant 4+3(4)		Ant 4+3(3)		Ant 4+3		Duty Cycle %
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
WIFI 6E	802.11ax-HE20 MCSO	1	5955	4.70	5.00	3.10	5.00	6.98	8.00	96.02
		57	6235	4.50	5.00	4.30	5.00	7.41	8.00	
		113	6515	3.40	4.00	2.40	4.00	5.94	7.00	
		173	6815	5.60	6.00	4.80	6.00	8.23	9.00	
		233	7115	6.30	7.00	5.60	7.00	8.97	10.00	
	802.11ax-HE40 MCSO	3	5965	7.60	8.00	6.20	8.00	9.97	11.00	92.51
		59	6245	6.60	7.00	6.40	7.00	9.51	10.00	
		107	6485	5.60	6.00	5.50	6.00	8.56	9.00	
		171	6805	7.90	8.00	7.20	8.00	10.57	11.00	
		227	7085	9.00	9.50	8.00	9.50	11.54	12.50	
	802.11ax-HE60 MCSO	7	5985	9.80	10.00	9.00	10.00	12.43	13.00	85.99
		71	6305	9.60	10.00	9.70	10.00	12.66	13.00	
		119	6545	9.40	10.00	8.50	10.00	11.98	13.00	
		167	6785	11.20	11.50	10.40	11.50	13.83	14.50	
		215	7025	11.50	11.50	10.20	11.50	13.91	14.50	
	802.11ax-HE160 MCSO	15	6025	12.30	12.50	11.50	12.50	14.93	15.50	86.19
		47	6185	12.40	12.50	11.80	12.50	15.12	15.50	
		111	6505	11.50	12.00	11.50	12.00	14.51	15.00	
		175	6825	13.60	14.00	13.10	14.00	16.37	17.00	
		207	6985	13.90	14.00	13.10	14.00	16.53	17.00	



Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.18	17.89	16.63
	CH 39	2441	18.73	18.18	16.86
	CH 78	2480	19.04	18.01	16.75
Tune-up Limit			20.00	18.50	17.50

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.44	18.20	17.21
	CH 39	2441	18.60	18.34	16.97
	CH 78	2480	18.72	18.17	17.14
Tune-up Limit			20.00	18.50	17.50

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	19.75	19.65
	CH 19	2440	19.85	19.95
	CH 39	2480	19.45	19.55
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	19.95	19.95
	CH 19	2440	19.95	19.75
	CH 39	2480	19.15	19.15
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps			2Mbps			3Mbps		
			Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3
BR / EDR	CH 00	2402	16.72	16.95	19.85	14.36	14.81	17.60	14.10	14.83	17.49
	CH 39	2441	15.88	16.70	19.32	14.47	14.83	17.67	14.39	14.92	17.68
	CH 78	2480	16.52	16.44	19.49	14.42	14.68	17.57	14.46	14.80	17.65
Tune-up Limit			17.00	17.00	20.00	15.00	15.00	18.00	15.00	15.00	18.00

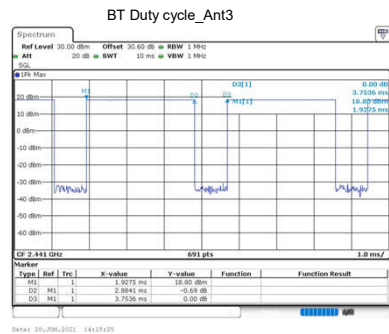
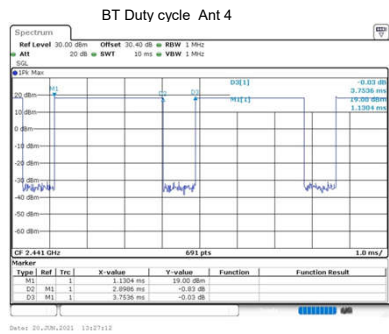


Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.10		
	CH 39	2441	11.37	Not Required	Not Required
	CH 78	2480	11.45		
Tune-up Limit			12.00	12.00	12.00

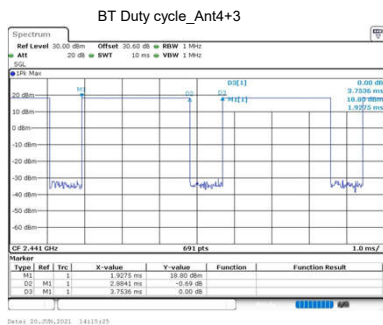
Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.94		
	CH 39	2441	11.21	Not Required	Not Required
	CH 78	2480	11.30		
Tune-up Limit			12.00	12.00	12.00

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			12.00	12.00

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			12.00	12.00



Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps			2Mbps			3Mbps		
			Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3
BR / EDR	CH 00	2402	11.22	10.74	14.00	Not Required	Not Required	Not Required	Not Required	Not Required	
	CH 39	2441	11.50	11.32	14.42						
	CH 78	2480	11.46	11.25	14.37						
Tune-up Limit			12.00	12.00	15.00	12.00	12.00	15.00	12.00	12.00	15.00





Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.18	17.89	16.63
	CH 39	2441	18.73	18.18	16.86
	CH 78	2480	19.04	18.01	16.75
Tune-up Limit			20.00	18.50	17.50

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.44	18.20	17.21
	CH 39	2441	18.60	18.34	16.97
	CH 78	2480	18.72	18.17	17.14
Tune-up Limit			20.00	18.50	17.50

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	19.75	19.65
	CH 19	2440	19.85	19.95
	CH 39	2480	19.45	19.55
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	19.95	19.95
	CH 19	2440	19.95	19.75
	CH 39	2480	19.15	19.15
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps			2Mbps			3Mbps		
			Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3
BR / EDR	CH 00	2402	16.72	16.95	19.85	14.36	14.81	17.60	14.10	14.83	17.49
	CH 39	2441	15.88	16.70	19.32	14.47	14.83	17.67	14.39	14.92	17.68
	CH 78	2480	16.52	16.44	19.49	14.42	14.68	17.57	14.46	14.80	17.65
Tune-up Limit			17.00	17.00	20.00	15.00	15.00	18.00	15.00	15.00	18.00



Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.18	17.89	16.63
	CH 39	2441	18.73	18.18	16.86
	CH 78	2480	19.04	18.01	16.75
Tune-up Limit			20.00	18.50	17.50

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.44	18.20	17.21
	CH 39	2441	18.60	18.34	16.97
	CH 78	2480	18.72	18.17	17.14
Tune-up Limit			20.00	18.50	17.50

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	19.75	19.65
	CH 19	2440	19.85	19.95
	CH 39	2480	19.45	19.55
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	19.95	19.95
	CH 19	2440	19.95	19.75
	CH 39	2480	19.15	19.15
Tune-up Limit			20.00	20.00

Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps			2Mbps			3Mbps		
			Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3
BR / EDR	CH 00	2402	16.72	16.95	19.85	14.36	14.81	17.60	14.10	14.83	17.49
	CH 39	2441	15.88	16.70	19.32	14.47	14.83	17.67	14.39	14.92	17.68
	CH 78	2480	16.52	16.44	19.49	14.42	14.68	17.57	14.46	14.80	17.65
Tune-up Limit			17.00	17.00	20.00	15.00	15.00	18.00	15.00	15.00	18.00



Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	17.25		
	CH 39	2441	17.46	Not Required	Not Required
	CH 78	2480	17.72		
Tune-up Limit			18.50	18.50	17.50

Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	17.28		
	CH 39	2441	17.30	Not Required	Not Required
	CH 78	2480	17.39		
Tune-up Limit			18.00	18.00	17.50

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			18.50	18.50

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			18.00	18.00

Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps			2Mbps					
			Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3	Ant 4+3(4)	Ant 4+3(3)	Ant 4+3
BR / EDR	CH 00	2402	15.62	15.96	18.80	Not Required					
	CH 39	2441	15.61	15.73	18.68						
	CH 78	2480	15.56	15.58	18.58						
Tune-up Limit			16.50	16.50	19.50	15.00	15.00	18.00	15.00	15.00	18.00