

Full & Default Power Mode

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.60	22.57	22.24	23	1	
15	QPSK	1	37	22.67	22.73	22.43			
15	QPSK	1	74	22.52	22.56	22.38			
15	QPSK	36	0	21.62	21.63	21.43	23	1	
15	QPSK	36	20	21.58	21.48	21.35			
15	QPSK	36	39	21.59	21.58	21.28			
15	QPSK	75	0	21.60	21.51	21.31	23	1	
15	16QAM	1	0	21.43	21.43	21.99			
15	16QAM	1	37	21.59	21.69	21.44			
15	16QAM	1	74	22.02	22.06	21.78	22	2	
15	16QAM	36	0	20.56	20.55	20.39			
15	16QAM	36	20	20.44	20.47	20.40			
15	16QAM	36	39	20.64	20.56	20.38	22	2	
15	16QAM	75	0	20.64	20.65	20.35			
15	64QAM	1	0	20.81	20.85	20.44			
15	64QAM	1	37	20.55	20.45	20.67	21	3	
15	64QAM	1	74	20.85	20.78	20.52			
15	64QAM	36	0	19.61	19.59	19.48			
15	64QAM	36	20	19.55	19.60	19.32	21	3	
15	64QAM	36	39	19.46	19.46	19.42			
15	64QAM	75	0	19.45	19.44	19.40			
Channel				26740	26865	26990	24	0	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.37	22.55	22.36	23	1	
10	QPSK	1	25	22.43	22.48	22.33			
10	QPSK	1	49	22.42	22.65	22.28			
10	QPSK	25	0	21.46	21.64	21.40	23	1	
10	QPSK	25	12	21.33	21.60	21.30			
10	QPSK	25	25	21.49	21.53	21.33			
10	QPSK	50	0	21.42	21.52	21.29	23	1	
10	16QAM	1	0	21.42	21.47	21.91			
10	16QAM	1	25	22.10	21.61	21.48			
10	16QAM	1	49	21.32	22.00	21.66	22	2	
10	16QAM	25	0	20.38	20.53	20.42			
10	16QAM	25	12	20.57	20.53	20.51			
10	16QAM	25	25	20.50	20.73	20.46	22	2	
10	16QAM	50	0	20.38	20.52	20.22			
10	64QAM	1	0	20.11	20.76	20.53			
10	64QAM	1	25	20.75	20.64	20.58	21	3	
10	64QAM	1	49	20.32	20.86	20.63			
10	64QAM	25	0	19.46	19.56	19.43			
10	64QAM	25	12	19.34	19.68	19.28	21	3	
10	64QAM	25	25	19.40	19.48	19.37			
10	64QAM	50	0	19.45	19.40	19.47			
Channel				26715	26865	27015	24	0	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.42	22.41	22.29	23	1	
5	QPSK	1	12	22.41	22.50	22.31			
5	QPSK	1	24	22.28	22.48	22.36			
5	QPSK	12	0	21.50	21.55	21.56	23	1	
5	QPSK	12	7	21.47	21.58	21.26			
5	QPSK	12	13	21.47	21.49	21.29			
5	QPSK	25	0	21.55	21.55	21.39	23	1	
5	16QAM	1	0	21.53	21.46	22.02			
5	16QAM	1	12	21.95	21.56	21.53			
5	16QAM	1	24	21.28	22.04	21.66	22	2	
5	16QAM	12	0	20.53	20.55	20.49			
5	16QAM	12	7	20.53	20.46	20.37			
5	16QAM	12	13	20.41	20.67	20.18	22	2	
5	16QAM	25	0	20.48	20.66	20.39			
5	64QAM	1	0	20.31	20.69	20.30			
5	64QAM	1	12	20.80	20.48	20.61	21	3	
5	64QAM	1	24	20.52	20.76	20.57			
5	64QAM	12	0	19.49	19.60	19.36			
5	64QAM	12	7	19.57	19.58	19.44	21	3	
5	64QAM	12	13	19.35	19.47	19.42			
5	64QAM	25	0	19.37	19.49	19.39			
Channel				26705	26865	27025	24	0	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.48	22.64	22.21	23	1	
3	QPSK	1	8	22.28	22.68	22.45			
3	QPSK	1	14	22.29	22.63	22.35			
3	QPSK	8	0	21.48	21.62	21.38	23	1	
3	QPSK	8	4	21.51	21.70	21.24			
3	QPSK	8	7	21.46	21.64	21.27			
3	QPSK	15	0	21.49	21.67	21.33	23	1	
3	16QAM	1	0	21.46	21.35	22.00			
3	16QAM	1	8	22.05	21.67	21.47			
3	16QAM	1	14	21.40	22.09	21.59	22	2	
3	16QAM	8	0	20.66	20.54	20.37			
3	16QAM	8	4	20.40	20.34	20.35			
3	16QAM	8	7	20.57	20.55	20.29	22	2	
3	16QAM	15	0	20.42	20.54	20.35			
3	64QAM	1	0	20.29	20.83	20.48			
3	64QAM	1	8	20.76	20.57	20.68	21	3	
3	64QAM	1	14	20.36	20.87	20.52			
3	64QAM	8	0	19.39	19.55	19.34			
3	64QAM	8	4	19.62	19.39	19.27	21	3	
3	64QAM	8	7	19.44	19.54	19.35			
3	64QAM	15	0	19.45	19.42	19.40			
Channel				26697	26865	27033	24	0	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.42	22.43	22.08	23	1	
1.4	QPSK	1	3	22.58	22.41	22.44			
1.4	QPSK	1	5	22.54	22.30	22.24			
1.4	QPSK	3	0	22.47	22.41	22.36	23	1	
1.4	QPSK	3	1	22.60	22.40	22.26			
1.4	QPSK	3	3	22.56	22.33	22.31			
1.4	QPSK	6	0	21.63	21.41	21.25	22	2	
1.4	16QAM	1	0	21.42	22.04	21.41			
1.4	16QAM	1	3	21.78	21.67	21.15			
1.4	16QAM	1	5	21.91	21.89	21.55	21	3	
1.4	16QAM	3	0	21.56	21.52	21.38			
1.4	16QAM	3	1	21.61	21.53	21.31			
1.4	16QAM	3	3	21.64	21.33	21.36	22	2	
1.4	16QAM	6	0	20.56	20.42	20.45			
1.4	64QAM	1	0	20.77	20.71	20.30			
1.4	64QAM	1	3	20.64	20.13	20.55	21	3	
1.4	64QAM	1	5	20.57	20.73	20.64			
1.4	64QAM	3	0	20.63	20.57	20.44			
1.4	64QAM	3	1	20.80	20.70	20.40	21	3	
1.4	64QAM	3	3	20.62	20.65	20.33			
1.4	64QAM	6	0	19.60	19.56	19.22			

Band 71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372	24	0	
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	22.18	22.21	22.16	23	1	
20	QPSK	1	49	22.41	22.42	22.40			
20	QPSK	1	99	22.15	22.21	22.19			
20	QPSK	50	0	21.20	21.28	21.17	23	1	
20	QPSK	50	24	21.39	21.31	21.30			
20	QPSK	50	50	21.19	21.23	21.21			
20	QPSK	100	0	21.25	21.31	21.20	23	1	
20	16QAM	1	0	21.43	21.51	21.45			
20	16QAM	1	49	21.74	21.82	21.72			
20	16QAM	1	99	21.25	21.24	21.23	22	2	
20	16QAM	50	0	20.22	20.20	20.12			
20	16QAM	50	24	20.24	20.22	20.23			
20	16QAM	50	50	20.20	20.16	20.12	22	2	
20	16QAM	100	0	20.19	20.23	20.19			
20	64QAM	1	0	20.45	20.45	20.49			
20	64QAM	1	49	20.63	20.61	20.57	22	2	
20	64QAM	1	99	20.37	20.38	20.37			
20	64QAM	50	0	19.24	19.26	19.23			
20	64QAM	50	24	19.31	19.29	19.28	21	3	
20	64QAM	50	50	19.31	19.24	19.27			
20	64QAM	100	0	19.25	19.26	19.21			
Channel				133197	133297	133397	24	0	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.08	22.04	22.06	24	0	
15	QPSK	1	37	22.36	22.32	22.31			
15	QPSK	1	74	22.05	22.15	22.04			
15	QPSK	36	0	21.12	21.17	21.12	23	1	
15	QPSK	36	20	21.19	21.25	21.19			
15	QPSK	36	39	21.06	21.10	21.09			
15	QPSK	75	0	21.19	21.16	21.15	23	1	
15	16QAM	1	0	21.37	21.42	21.32			
15	16QAM	1	37	21.65	21.67	21.61			
15	16QAM	1	74	21.18	21.19	21.10	22	2	
15	16QAM	36	0	20.18	20.15	20.10			
15	16QAM	36	20	20.14	20.14	20.11			
15	16QAM	36	39	20.05	20.11	20.08	22	2	
15	16QAM	75	0	20.12	20.15	20.12			
15	64QAM	1	0	20.38	20.38	20.33			
15	64QAM	1	37	20.55	20.57	20.50	22	2	
15	64QAM	1	74	20.31	20.34	20.22			
15	64QAM	36	0	19.19	19.18	19.16			
15	64QAM	36	20	19.22	19.16	19.19	21	3	
15	64QAM	36	39	19.22	19.18	19.20			
15	64QAM	75	0	19.13	19.21	19.15			
Channel				133172	133297	133422	24	0	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	22.02	22.04	22.01	24	0	
10	QPSK	1	25	22.29	22.31	22.27			
10	QPSK	1	49	22.04	22.09	22.02			
10	QPSK	25	0	21.07	21.12	21.07	23	1	
10	QPSK	25	12	21.15	21.19	21.17			
10	QPSK	25	25	21.06	21.09	21.07			
10	QPSK	50	0	21.12	21.14	21.10	23	1	
10	16QAM	1	0	21.33	21.37	21.28			
10	16QAM	1	25	21.61	21.65	21.58			
10	16QAM	1	49	21.15	21.14	21.08	22	2	
10	16QAM	25	0	20.11	20.10	20.03			
10	16QAM	25	12	20.10	20.13	20.10			
10	16QAM	25	25	20.04	20.05	20.01	22	2	
10	16QAM	50	0	20.09	20.08	20.05			
10	64QAM	1	0	20.34	20.36	20.33			
10	64QAM	1	25	20.48	20.51	20.43	22	2	
10	64QAM	1	49	20.26	20.27	20.21			
10	64QAM	25	0	19.14	19.16	19.09			
10	64QAM	25	12	19.16	19.16	19.12	21	3	
10	64QAM	25	25	19.15	19.15	19.13			
10	64QAM	50	0	19.11	19.14	19.12			
Channel				133147	133297	133447	24	0	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	22.08	22.10	22.04	24	0	
5	QPSK	1	12	22.31	22.34	22.34			
5	QPSK	1	24	22.08	22.12	22.10			
5	QPSK	12	0	21.23	21.15	21.13	23	1	
5	QPSK	12	7	21.17	21.24	21.23			
5	QPSK	12	13	21.08	21.15	21.12			
5	QPSK	25	0	21.20	21.17	21.17	23	1	
5	16QAM	1	0	21.37	21.39	21.34			
5	16QAM	1	12	21.63	21.71	21.66			
5	16QAM	1	24	21.18	21.19	21.16	22	2	
5	16QAM	12	0	20.18	20.18	20.07			
5	16QAM	12	7	20.18	20.18	20.06			
5	16QAM	12	13	20.06	20.14	20.05	22	2	
5	16QAM	25	0	20.12	20.14	20.12			
5	64QAM	1	0	20.41	20.39	20.39			
5	64QAM	1	12	20.56	20.55	20.48	22	2	
5	64QAM	1	24	20.32	20.36	20.30			
5	64QAM	12	0	19.19	19.25	19.12			
5	64QAM	12	7	19.18	19.21	19.15	21	3	
5	64QAM	12	13	19.22	19.24	19.22			
5	64QAM	25	0	19.16	19.18	19.17			

Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	0	22.13	22.16	22.29	22.33	22.26	24	0		
20	QPSK	1	49	22.16	22.23	22.37	22.51	22.36				
20	QPSK	1	99	22.10	22.13	22.31	22.33	22.27	23	1		
20	QPSK	50	0	21.25	21.40	21.43	21.59	21.48				
20	QPSK	50	24	21.31	21.42	21.51	21.60	21.50	23	1		
20	QPSK	50	50	21.27	21.33	21.44	21.55	21.48				
20	QPSK	100	0	21.33	21.40	21.44	21.53	21.50	23	1		
20	16QAM	1	0	21.50	21.50	21.56	21.66	21.59				
20	16QAM	1	49	21.50	21.54	21.62	21.74	21.62	23	1		
20	16QAM	1	99	21.39	21.46	21.57	21.69	21.50				
20	16QAM	50	0	20.47	20.49	20.64	20.65	20.66	22	2		
20	16QAM	50	24	20.44	20.53	20.65	20.72	20.67				
20	16QAM	50	50	20.38	20.53	20.62	20.69	20.63	22	2		
20	16QAM	100	0	20.41	20.48	20.54	20.68	20.61				
20	64QAM	1	0	20.47	20.56	20.64	20.72	20.64	22	2		
20	64QAM	1	49	20.61	20.60	20.71	20.82	20.76				
20	64QAM	1	99	20.40	20.47	20.62	20.69	20.62	22	2		
20	64QAM	50	0	19.53	19.60	19.70	19.78	19.76				
20	64QAM	50	24	19.51	19.66	19.66	19.80	19.70	21	3		
20	64QAM	50	50	19.51	19.60	19.75	19.78	19.69				
20	64QAM	100	0	19.52	19.60	19.67	19.76	19.63	21	3		
Channel				39725	40173	40620	41068	41515			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	22.05	22.10	22.21	22.24	22.20	24	0		
15	QPSK	1	37	22.08	22.19	22.33	22.47	22.26				
15	QPSK	1	74	22.05	22.08	22.24	22.27	22.22	23	1		
15	QPSK	36	0	21.17	21.31	21.40	21.52	21.41				
15	QPSK	36	20	21.25	21.37	21.44	21.54	21.43	23	1		
15	QPSK	36	39	21.21	21.24	21.41	21.45	21.42				
15	QPSK	75	0	21.28	21.32	21.36	21.50	21.45	23	1		
15	16QAM	1	0	21.46	21.41	21.53	21.58	21.54				
15	16QAM	1	37	21.40	21.47	21.56	21.71	21.54	23	1		
15	16QAM	1	74	21.36	21.43	21.49	21.59	21.41				
15	16QAM	36	0	20.45	20.46	20.60	20.61	20.61	22	2		
15	16QAM	36	20	20.41	20.51	20.56	20.66	20.59				
15	16QAM	36	39	20.31	20.49	20.57	20.65	20.61	22	2		
15	16QAM	75	0	20.37	20.42	20.46	20.63	20.55				
15	64QAM	1	0	20.44	20.47	20.56	20.69	20.62	22	2		
15	64QAM	1	37	20.55	20.58	20.69	20.76	20.71				
15	64QAM	1	74	20.32	20.45	20.57	20.60	20.57	21	3		
15	64QAM	36	0	19.45	19.55	19.63	19.73	19.73				
15	64QAM	36	20	19.42	19.57	19.58	19.76	19.62	21	3		
15	64QAM	36	39	19.42	19.55	19.68	19.73	19.61				
15	64QAM	75	0	19.47	19.57	19.65	19.68	19.54	21	3		
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.03	22.13	22.21	22.28	22.18	24	0		
10	QPSK	1	25	22.07	22.19	22.28	22.41	22.30				
10	QPSK	1	49	22.06	22.03	22.27	22.26	22.23	23	1		
10	QPSK	25	0	21.18	21.34	21.35	21.50	21.45				
10	QPSK	25	12	21.25	21.36	21.48	21.51	21.46	23	1		
10	QPSK	25	25	21.25	21.26	21.40	21.45	21.45				
10	QPSK	50	0	21.30	21.37	21.41	21.44	21.41	23	1		
10	16QAM	1	0	21.43	21.41	21.53	21.63	21.55				
10	16QAM	1	25	21.47	21.46	21.54	21.69	21.52	23	1		
10	16QAM	1	49	21.32	21.41	21.52	21.62	21.45				
10	16QAM	25	0	20.45	20.47	20.61	20.65	20.60	22	2		
10	16QAM	25	12	20.36	20.49	20.61	20.66	20.62				
10	16QAM	25	25	20.29	20.45	20.57	20.63	20.58	22	2		
10	16QAM	50	0	20.33	20.43	20.50	20.60	20.55				
10	64QAM	1	0	20.42	20.48	20.58	20.63	20.57	22	2		
10	64QAM	1	25	20.54	20.55	20.67	20.80	20.67				
10	64QAM	1	49	20.36	20.38	20.53	20.63	20.54	21	3		
10	64QAM	25	0	19.48	19.57	19.62	19.74	19.74				
10	64QAM	25	12	19.46	19.57	19.60	19.74	19.68	21	3		
10	64QAM	25	25	19.48	19.55	19.70	19.71	19.67				
10	64QAM	50	0	19.48	19.55	19.63	19.74	19.61	21	3		
Channel				39675	40148	40620	41093	41565			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.09	22.13	22.20	22.29	22.21	24	0		
5	QPSK	1	12	22.10	22.20	22.30	22.48	22.31				
5	QPSK	1	24	22.00	22.09	22.24	22.30	22.22	23	1		
5	QPSK	12	0	21.22	21.33	21.38	21.51	21.39				
5	QPSK	12	7	21.29	21.36	21.43	21.53	21.41	23	1		
5	QPSK	12	13	21.19	21.30	21.37	21.52	21.42				
5	QPSK	25	0	21.28	21.34	21.41	21.48	21.45	23	1		
5	16QAM	1	0	21.42	21.42	21.53	21.56	21.55				
5	16QAM	1	12	21.47	21.49	21.55	21.68	21.52	23	1		
5	16QAM	1	24	21.31	21.41	21.47	21.62	21.42				
5	16QAM	12	0	20.45	20.40	20.61	20.66	20.58	22	2		
5	16QAM	12	7	20.37	20.45	20.61	20.69	20.62				
5	16QAM	12	13	20.35	20.44	20.54	20.63	20.54	22	2		
5	16QAM	25	0	20.32	20.46	20.51	20.64	20.55				
5	64QAM	1	0	20.45	20.53	20.58	20.65	20.57	22	2		
5	64QAM	1	12	20.58	20.51	20.65	20.73	20.66				
5	64QAM	1	24	20.35	20.40	20.60	20.65	20.56	22	2		
5	64QAM	12	0	19.44	19.57	19.62	19.71	19.72				
5	64QAM	12	7	19.43	19.63	19.63	19.73	19.64	21	3		
5	64QAM	12	13	19.46	19.51	19.67	19.72	19.61				
5	64QAM	25	0	19.50	19.56	19.65	19.68	19.59	21	3		
5	64QAM	25	7	19.53	19.60	19.70	19.73	19.64				

Reduced Power Mode for Receiver On

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.60	22.57	22.24	23	1	
15	QPSK	1	37	22.67	22.73	22.43			
15	QPSK	1	74	22.52	22.56	22.38			
15	QPSK	36	0	21.62	21.63	21.43	23	1	
15	QPSK	36	20	21.58	21.48	21.35			
15	QPSK	36	39	21.59	21.58	21.28			
15	QPSK	75	0	21.60	21.51	21.31	23	1	
15	16QAM	1	0	21.43	21.43	21.99			
15	16QAM	1	37	21.59	21.69	21.44			
15	16QAM	1	74	22.02	22.06	21.78	22	2	
15	16QAM	36	0	20.56	20.55	20.39			
15	16QAM	36	20	20.44	20.47	20.40			
15	16QAM	36	39	20.64	20.56	20.38	22	2	
15	16QAM	75	0	20.64	20.65	20.35			
15	64QAM	1	0	20.81	20.85	20.44			
15	64QAM	1	37	20.55	20.45	20.67	21	3	
15	64QAM	1	74	20.85	20.78	20.52			
15	64QAM	36	0	19.61	19.59	19.48			
15	64QAM	36	20	19.55	19.60	19.32	21	3	
15	64QAM	36	39	19.46	19.46	19.42			
15	64QAM	75	0	19.45	19.44	19.40			
Channel				26740	26865	26990	24	0	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.37	22.55	22.36	23	1	
10	QPSK	1	25	22.43	22.48	22.33			
10	QPSK	1	49	22.42	22.65	22.28			
10	QPSK	25	0	21.46	21.64	21.40	23	1	
10	QPSK	25	12	21.33	21.60	21.30			
10	QPSK	25	25	21.49	21.53	21.33			
10	QPSK	50	0	21.42	21.52	21.29	23	1	
10	16QAM	1	0	21.42	21.47	21.91			
10	16QAM	1	25	22.10	21.61	21.48			
10	16QAM	1	49	21.32	22.00	21.66	22	2	
10	16QAM	25	0	20.38	20.53	20.42			
10	16QAM	25	12	20.57	20.53	20.51			
10	16QAM	25	25	20.50	20.73	20.46	22	2	
10	16QAM	50	0	20.38	20.52	20.22			
10	64QAM	1	0	20.11	20.76	20.53			
10	64QAM	1	25	20.75	20.64	20.58	21	3	
10	64QAM	1	49	20.32	20.86	20.63			
10	64QAM	25	0	19.46	19.56	19.43			
10	64QAM	25	12	19.34	19.68	19.28	21	3	
10	64QAM	25	25	19.40	19.48	19.37			
10	64QAM	50	0	19.45	19.40	19.47			
Channel				26715	26865	27015	24	0	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.42	22.41	22.29	23	1	
5	QPSK	1	12	22.41	22.50	22.31			
5	QPSK	1	24	22.28	22.48	22.36			
5	QPSK	12	0	21.50	21.55	21.56	23	1	
5	QPSK	12	7	21.47	21.58	21.26			
5	QPSK	12	13	21.47	21.49	21.29			
5	QPSK	25	0	21.55	21.55	21.39	23	1	
5	16QAM	1	0	21.53	21.46	22.02			
5	16QAM	1	12	21.95	21.56	21.53			
5	16QAM	1	24	21.28	22.04	21.66	22	2	
5	16QAM	12	0	20.53	20.55	20.49			
5	16QAM	12	7	20.53	20.46	20.37			
5	16QAM	12	13	20.41	20.67	20.18	22	2	
5	16QAM	25	0	20.48	20.66	20.39			
5	64QAM	1	0	20.31	20.69	20.30			
5	64QAM	1	12	20.80	20.48	20.61	21	3	
5	64QAM	1	24	20.52	20.76	20.57			
5	64QAM	12	0	19.49	19.60	19.36			
5	64QAM	12	7	19.57	19.58	19.44	21	3	
5	64QAM	12	13	19.35	19.47	19.42			
5	64QAM	25	0	19.37	19.49	19.39			
Channel				26705	26865	27025	24	0	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.48	22.64	22.21	23	1	
3	QPSK	1	8	22.28	22.68	22.45			
3	QPSK	1	14	22.29	22.63	22.35			
3	QPSK	8	0	21.48	21.62	21.38	23	1	
3	QPSK	8	4	21.51	21.70	21.24			
3	QPSK	8	7	21.46	21.64	21.27			
3	QPSK	15	0	21.49	21.67	21.33	23	1	
3	16QAM	1	0	21.46	21.35	22.00			
3	16QAM	1	8	22.05	21.67	21.47			
3	16QAM	1	14	21.40	22.09	21.59	22	2	
3	16QAM	8	0	20.66	20.54	20.37			
3	16QAM	8	4	20.40	20.34	20.35			
3	16QAM	8	7	20.57	20.55	20.29	22	2	
3	16QAM	15	0	20.42	20.54	20.35			
3	64QAM	1	0	20.29	20.83	20.48			
3	64QAM	1	8	20.76	20.57	20.68	21	3	
3	64QAM	1	14	20.36	20.87	20.52			
3	64QAM	8	0	19.39	19.55	19.34			
3	64QAM	8	4	19.62	19.39	19.27	21	3	
3	64QAM	8	7	19.44	19.54	19.35			
3	64QAM	15	0	19.45	19.42	19.40			
Channel				26697	26865	27033	24	0	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.42	22.43	22.08	23	1	
1.4	QPSK	1	3	22.58	22.41	22.44			
1.4	QPSK	1	5	22.54	22.30	22.24			
1.4	QPSK	3	0	22.47	22.41	22.36	23	1	
1.4	QPSK	3	1	22.60	22.40	22.26			
1.4	QPSK	3	3	22.56	22.33	22.31			
1.4	QPSK	6	0	21.63	21.41	21.25	22	2	
1.4	16QAM	1	0	21.42	22.04	21.41			
1.4	16QAM	1	3	21.78	21.67	21.15			
1.4	16QAM	1	5	21.91	21.89	21.55	21	3	
1.4	16QAM	3	0	21.56	21.52	21.38			
1.4	16QAM	3	1	21.61	21.53	21.31			
1.4	16QAM	3	3	21.64	21.33	21.36	22	2	
1.4	16QAM	6	0	20.56	20.42	20.45			
1.4	64QAM	1	0	20.77	20.71	20.30			
1.4	64QAM	1	3	20.64	20.13	20.55	21	3	
1.4	64QAM	1	5	20.57	20.73	20.64			
1.4	64QAM	3	0	20.63	20.57	20.44			
1.4	64QAM	3	1	20.80	20.70	20.40	21	3	
1.4	64QAM	3	3	20.62	20.65	20.33			
1.4	64QAM	6	0	19.60	19.56	19.22			

Band 71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	22.18	22.21	22.16	24	0	
20	QPSK	1	49	22.41	22.42	22.40			
20	QPSK	1	99	22.15	22.21	22.19			
20	QPSK	50	0	21.20	21.28	21.17	23	1	
20	QPSK	50	24	21.30	21.31	21.30			
20	QPSK	50	50	21.19	21.23	21.21			
20	QPSK	100	0	21.25	21.31	21.20	23	1	
20	QPSK	1	0	21.43	21.51	21.45			
20	QPSK	1	49	21.74	21.82	21.72			
20	16QAM	1	99	21.25	21.24	21.23	22	2	
20	16QAM	50	0	20.22	20.20	20.12			
20	16QAM	50	24	20.24	20.22	20.23			
20	16QAM	50	50	20.20	20.16	20.12	22	2	
20	16QAM	100	0	20.19	20.23	20.19			
20	64QAM	1	0	20.45	20.45	20.49			
20	64QAM	1	49	20.63	20.61	20.57	22	2	
20	64QAM	1	99	20.37	20.38	20.37			
20	64QAM	50	0	19.24	19.26	19.23			
20	64QAM	50	24	19.31	19.29	19.28	21	3	
20	64QAM	50	50	19.31	19.24	19.27			
20	64QAM	100	0	19.25	19.26	19.21			
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.08	22.04	22.06	24	0	
15	QPSK	1	37	22.36	22.32	22.31			
15	QPSK	1	74	22.05	22.15	22.04			
15	QPSK	36	0	21.12	21.17	21.12	23	1	
15	QPSK	36	20	21.19	21.25	21.19			
15	QPSK	36	39	21.06	21.10	21.09			
15	QPSK	75	0	21.19	21.16	21.15	23	1	
15	16QAM	1	0	21.37	21.42	21.32			
15	16QAM	1	37	21.65	21.67	21.61			
15	16QAM	1	74	21.18	21.19	21.10	22	2	
15	16QAM	36	0	20.18	20.15	20.10			
15	16QAM	36	20	20.14	20.14	20.11			
15	16QAM	36	39	20.05	20.11	20.08	22	2	
15	16QAM	75	0	20.12	20.15	20.12			
15	64QAM	1	0	20.38	20.38	20.33			
15	64QAM	1	37	20.55	20.57	20.50	22	2	
15	64QAM	1	74	20.31	20.34	20.22			
15	64QAM	36	0	19.19	19.18	19.16			
15	64QAM	36	20	19.22	19.16	19.19	21	3	
15	64QAM	36	39	19.22	19.18	19.20			
15	64QAM	75	0	19.13	19.21	19.15			
Channel				133172	133297	133422			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	22.02	22.04	22.01	24	0	
10	QPSK	1	25	22.29	22.31	22.27			
10	QPSK	1	49	22.04	22.09	22.02			
10	QPSK	25	0	21.07	21.12	21.07	23	1	
10	QPSK	25	12	21.15	21.19	21.17			
10	QPSK	25	25	21.06	21.09	21.07			
10	QPSK	50	0	21.12	21.14	21.10	23	1	
10	16QAM	1	0	21.33	21.37	21.28			
10	16QAM	1	25	21.61	21.65	21.58			
10	16QAM	1	49	21.15	21.14	21.08	22	2	
10	16QAM	25	0	20.11	20.10	20.03			
10	16QAM	25	12	20.10	20.13	20.10			
10	16QAM	25	25	20.04	20.05	20.01	22	2	
10	16QAM	50	0	20.09	20.08	20.05			
10	64QAM	1	0	20.34	20.36	20.33			
10	64QAM	1	25	20.48	20.51	20.43	22	2	
10	64QAM	1	49	20.26	20.27	20.21			
10	64QAM	25	0	19.14	19.16	19.09			
10	64QAM	25	12	19.16	19.16	19.12	21	3	
10	64QAM	25	25	19.15	19.15	19.13			
10	64QAM	50	0	19.11	19.14	19.12			
Channel				133147	133297	133447			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	22.08	22.10	22.04	24	0	
5	QPSK	1	12	22.31	22.34	22.34			
5	QPSK	1	24	22.08	22.12	22.10			
5	QPSK	12	0	21.13	21.15	21.13	23	1	
5	QPSK	12	7	21.17	21.24	21.23			
5	QPSK	12	13	21.08	21.15	21.12			
5	QPSK	25	0	21.20	21.17	21.17	23	1	
5	16QAM	1	0	21.37	21.39	21.34			
5	16QAM	1	12	21.63	21.71	21.66			
5	16QAM	1	24	21.18	21.19	21.16	22	2	
5	16QAM	12	0	20.18	20.18	20.07			
5	16QAM	12	7	20.18	20.18	20.17			
5	16QAM	12	13	20.06	20.14	20.06	22	2	
5	16QAM	25	0	20.12	20.14	20.12			
5	64QAM	1	0	20.41	20.39	20.39			
5	64QAM	1	12	20.56	20.55	20.48	22	2	
5	64QAM	1	24	20.32	20.36	20.30			
5	64QAM	12	0	19.19	19.25	19.12			
5	64QAM	12	7	19.18	19.21	19.15	21	3	
5	64QAM	12	13	19.22	19.24	19.22			
5	64QAM	25	0	19.16	19.18	19.17			

Reduced Power Mode for Sensor On

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.60	22.57	22.24	24	0	
15	QPSK	1	37	22.67	22.73	22.43			
15	QPSK	1	74	22.52	22.56	22.38			
15	QPSK	36	0	21.62	21.63	21.43	23	1	
15	QPSK	36	20	21.58	21.48	21.35			
15	QPSK	36	39	21.59	21.58	21.28			
15	QPSK	75	0	21.60	21.51	21.31	23	1	
15	16QAM	1	0	21.43	21.43	21.99			
15	16QAM	1	37	21.59	21.69	21.44			
15	16QAM	1	74	22.02	22.06	21.78	22	2	
15	16QAM	36	0	20.56	20.55	20.39			
15	16QAM	36	20	20.44	20.47	20.40			
15	16QAM	36	39	20.64	20.56	20.38	22	2	
15	16QAM	75	0	20.64	20.65	20.35			
15	64QAM	1	0	20.81	20.85	20.44	22	2	
15	64QAM	1	37	20.55	20.45	20.67			
15	64QAM	1	74	20.85	20.78	20.52			
15	64QAM	36	0	19.61	19.59	19.48	21	3	
15	64QAM	36	20	19.55	19.60	19.32			
15	64QAM	36	39	19.46	19.46	19.42			
15	64QAM	75	0	19.45	19.44	19.40	Tune-up limit (dBm)	MPR (dB)	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.37	22.55	22.36		24	
10	QPSK	1	25	22.43	22.48	22.33	23	1	
10	QPSK	1	49	22.42	22.65	22.28			
10	QPSK	25	0	21.46	21.64	21.40			
10	QPSK	25	12	21.33	21.60	21.30	23	1	
10	QPSK	25	25	21.49	21.33	21.33			
10	QPSK	50	0	21.42	21.52	21.29			
10	16QAM	1	0	21.42	21.47	21.91	23	1	
10	16QAM	1	25	22.10	21.61	21.48			
10	16QAM	1	49	21.32	22.00	21.66			
10	16QAM	25	0	20.38	20.53	20.42	22	2	
10	16QAM	25	12	20.57	20.53	20.51			
10	16QAM	25	25	20.50	20.73	20.46			
10	16QAM	50	0	20.38	20.52	20.22	22	2	
10	64QAM	1	0	20.11	20.76	20.53			
10	64QAM	1	25	20.75	20.64	20.58			
10	64QAM	1	49	20.32	20.86	20.63	21	3	
10	64QAM	25	0	19.46	19.56	19.43			
10	64QAM	25	12	19.34	19.68	19.28			
10	64QAM	25	25	19.40	19.48	19.37	Tune-up limit (dBm)	MPR (dB)	
10	64QAM	50	0	19.45	19.40	19.47			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.42	22.41	22.29	24	0	
5	QPSK	1	12	22.41	22.50	22.31			
5	QPSK	1	24	22.28	22.48	22.36			
5	QPSK	12	0	21.50	21.55	21.56	23	1	
5	QPSK	12	7	21.47	21.58	21.26			
5	QPSK	12	13	21.47	21.49	21.29			
5	QPSK	25	0	21.55	21.55	21.39	23	1	
5	16QAM	1	0	21.53	21.46	22.02			
5	16QAM	1	12	21.95	21.56	21.53			
5	16QAM	1	24	21.28	22.04	21.66	22	2	
5	16QAM	12	0	20.53	20.55	20.49			
5	16QAM	12	7	20.53	20.46	20.37			
5	16QAM	12	13	20.41	20.67	20.18	22	2	
5	16QAM	25	0	20.48	20.66	20.39			
5	64QAM	1	0	20.31	20.69	20.30			
5	64QAM	1	12	20.80	20.48	20.61	22	2	
5	64QAM	1	24	20.52	20.76	20.57			
5	64QAM	12	0	19.49	19.60	19.36			
5	64QAM	12	7	19.57	19.58	19.44	21	3	
5	64QAM	12	13	19.35	19.47	19.42			
5	64QAM	25	0	19.37	19.49	19.39			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.48	22.64	22.21	24	0	
3	QPSK	1	8	22.28	22.68	22.45			
3	QPSK	1	14	22.29	22.63	22.35			
3	QPSK	8	0	21.48	21.62	21.38	23	1	
3	QPSK	8	4	21.51	21.70	21.24			
3	QPSK	8	7	21.46	21.64	21.27			
3	QPSK	15	0	21.49	21.67	21.33	23	1	
3	16QAM	1	0	21.46	21.35	22.00			
3	16QAM	1	8	22.05	21.67	21.47			
3	16QAM	1	14	21.40	22.09	21.59	22	2	
3	16QAM	8	0	20.66	20.54	20.37			
3	16QAM	8	4	20.40	20.34	20.36			
3	16QAM	8	7	20.57	20.55	20.29	22	2	
3	16QAM	15	0	20.42	20.54	20.35			
3	64QAM	1	0	20.29	20.83	20.48			
3	64QAM	1	8	20.76	20.57	20.68	22	2	
3	64QAM	1	14	20.36	20.87	20.52			
3	64QAM	8	0	19.39	19.55	19.34			
3	64QAM	8	4	19.62	19.39	19.27	21	3	
3	64QAM	8	7	19.44	19.54	19.35			
3	64QAM	15	0	19.45	19.42	19.40			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.42	22.43	22.08	24	0	
1.4	QPSK	1	3	22.58	22.41	22.44			
1.4	QPSK	1	5	22.54	22.30	22.24			
1.4	QPSK	3	0	22.47	22.41	22.36	23	1	
1.4	QPSK	3	1	22.60	22.40	22.26			
1.4	QPSK	3	3	22.56	22.33	22.31			
1.4	QPSK	6	0	21.63	21.41	21.25	23	1	
1.4	16QAM	1	0	21.42	22.04	21.41			
1.4	16QAM	1	3	21.78	21.67	21.15			
1.4	16QAM	1	5	21.91	21.89	21.55	23	1	
1.4	16QAM	3	0	21.56	21.52	21.38			
1.4	16QAM	3	1	21.61	21.53	21.31			
1.4	16QAM	3	3	21.64	21.33	21.36	22	2	
1.4	16QAM	6	0	20.56	20.42	20.45			
1.4	64QAM	1	0	20.77	20.71	20.30			
1.4	64QAM	1	3	20.64	20.13	20.55	22	2	
1.4	64QAM	1	5	20.57	20.73	20.64			
1.4	64QAM	3	0	20.63	20.57	20.44			
1.4	64QAM	3	1	20.80	20.70	20.40	21	3	
1.4	64QAM	3	3	20.62	20.65	20.33			
1.4	64QAM	6	0	19.60	19.56	19.22			

Band 71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	22.18	22.21	22.16	24	0	
20	QPSK	1	49	22.41	22.42	22.40			
20	QPSK	1	99	22.15	22.21	22.19			
20	QPSK	50	0	21.20	21.28	21.17	23	1	
20	QPSK	50	24	21.39	21.31	21.30			

Band 41_Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				39750	40185	40620	41055	41490						
Frequency (MHz)				2506	2549.5	2593	2636.5	2680						
20	QPSK	1	0	20.65	20.66	20.83	20.80	20.80	22.5	0				
20	QPSK	1	49	20.69	20.68	20.86	21.04	20.87						
20	QPSK	1	99	20.51	20.65	20.72	20.84	20.75						
20	QPSK	50	0	19.73	19.90	19.95	20.05	20.04						
20	QPSK	50	24	19.85	19.90	20.00	20.10	20.07	21.5	1				
20	QPSK	50	50	19.68	19.76	19.91	20.00	20.01						
20	QPSK	100	0	19.88	19.99	19.84	20.08	20.02						
20	16QAM	1	0	20.07	20.10	20.05	20.24	20.15						
20	16QAM	1	49	19.99	20.09	20.03	20.24	20.09	21.5	1				
20	16QAM	1	99	19.95	19.93	20.01	20.11	19.91						
20	16QAM	50	0	19.03	18.95	19.04	19.24	19.18						
20	16QAM	50	24	19.03	19.10	19.22	19.22	19.18						
20	16QAM	50	50	18.96	19.03	19.08	19.29	19.09	20.5	2				
20	16QAM	100	0	18.90	19.08	19.02	19.22	19.19						
20	64QAM	1	0	18.91	19.16	19.05	19.32	19.10						
20	64QAM	1	49	19.09	19.01	19.24	19.26	19.17						
20	64QAM	1	99	18.95	18.88	19.02	19.25	19.08	20.5	2				
20	64QAM	50	0	17.94	18.02	18.23	18.24	18.31						
20	64QAM	50	24	18.02	18.17	18.20	18.23	18.21						
20	64QAM	50	50	18.10	18.09	18.33	18.36	18.11						
20	64QAM	100	0	18.06	18.02	18.08	18.35	18.23	19.5	3				
Channel				39725	40173	40620	41068	41515				Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	20.58	20.62	20.72	20.81	20.63				22.5	0	
15	QPSK	1	37	20.52	20.71	20.76	20.97	20.71						
15	QPSK	1	74	20.53	20.59	20.79	20.68	20.70						
15	QPSK	36	0	19.75	19.90	19.99	20.07	19.95						
15	QPSK	36	20	19.82	19.92	19.93	20.02	19.83	21.5	1				
15	QPSK	36	39	19.79	19.75	19.85	19.92	20.01						
15	QPSK	75	0	19.72	19.86	19.82	20.01	19.90						
15	16QAM	1	0	19.95	19.98	19.98	20.01	20.03						
15	16QAM	1	37	19.98	19.92	20.11	20.28	19.95	21.5	1				
15	16QAM	1	74	19.78	19.98	20.08	20.06	19.99						
15	16QAM	36	0	18.90	18.91	19.05	19.04	19.01						
15	16QAM	36	20	18.85	19.07	19.14	19.09	19.12						
15	16QAM	36	39	18.75	18.90	19.17	19.11	19.03	20.5	2				
15	16QAM	75	0	18.82	18.95	18.97	19.14	19.05						
15	64QAM	1	0	18.93	18.93	19.05	19.14	19.14						
15	64QAM	1	37	19.13	19.18	19.29	19.34	19.27						
15	64QAM	1	74	18.82	19.00	19.00	19.14	19.03	20.5	2				
15	64QAM	36	0	17.91	18.11	18.22	18.23	18.15						
15	64QAM	36	20	17.85	17.98	18.05	18.33	18.04						
15	64QAM	36	39	17.94	18.12	18.26	18.18	18.12						
15	64QAM	75	0	17.91	18.15	18.14	18.08	18.01	19.5	3				
Channel				39700	40160	40620	41080	41540				Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685						
10	QPSK	1	0	20.54	20.53	20.61	20.72	20.77				22.5	0	
10	QPSK	1	25	20.61	20.65	20.76	20.84	20.85						
10	QPSK	1	49	20.50	20.55	20.79	20.81	20.70						
10	QPSK	25	0	19.58	19.75	19.78	19.90	19.95						
10	QPSK	25	12	19.77	19.93	19.97	20.03	19.94	21.5	1				
10	QPSK	25	25	19.72	19.68	19.87	20.05	19.94						
10	QPSK	50	0	19.74	19.93	19.96	19.95	19.88						
10	16QAM	1	0	19.84	19.82	19.95	20.18	20.08						
10	16QAM	1	25	20.01	19.86	20.10	20.22	19.96	21.5	1				
10	16QAM	1	49	19.89	19.94	20.04	20.14	19.93						
10	16QAM	25	0	18.97	19.01	19.15	19.21	19.01						
10	16QAM	25	12	18.79	18.93	19.04	19.25	19.18						
10	16QAM	25	25	18.89	19.01	19.01	19.12	19.05	20.5	2				
10	16QAM	50	0	18.74	18.89	19.03	19.15	19.08						
10	64QAM	1	0	19.00	18.96	19.04	19.12	19.08						
10	64QAM	1	25	18.97	19.05	19.23	19.40	19.17						
10	64QAM	1	49	18.84	18.91	19.07	19.07	19.08	20.5	2				
10	64QAM	25	0	17.94	18.16	18.21	18.31	18.30						
10	64QAM	25	12	18.05	18.15	18.13	18.19	18.21						
10	64QAM	25	25	18.06	17.99	18.11	18.30	18.21						
10	64QAM	50	0	18.08	18.05	18.05	18.27	18.12	19.5	3				
Channel				39675	40148	40620	41093	41565				Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5						
5	QPSK	1	0	20.59	20.68	20.62	20.83	20.78				22.5	0	
5	QPSK	1	12	20.64	20.79	20.88	21.01	20.78						
5	QPSK	1	24	20.59	20.53	20.66	20.79	20.81						
5	QPSK	12	0	19.70	19.83	19.90	19.94	19.85						
5	QPSK	12	7	19.69	19.94	19.89	20.12	19.90	21.5	1				
5	QPSK	12	13	19.59	19.79	19.95	19.92	19.82						
5	QPSK	25	0	19.68	19.86	19.81	20.02	19.85						
5	16QAM	1	0	19.93	19.85	19.99	20.13	20.09						
5	16QAM	1	12	20.02	19.90	19.97	20.10	19.95	21.5	1				
5	16QAM	1	24	19.89	19.91	20.04	20.06	19.98						
5	16QAM	12	0	19.01	18.81	19.19	19.14	19.04						
5	16QAM	12	7	18.84	18.91	19.18	19.15	19.20						
5	16QAM	12	13	18.95	18.85	18.99	19.04	19.10	20.5	2				
5	16QAM	25	0	18.83	18.93	18.91	19.06	18.97						
5	64QAM	1	0	19.01	19.02	19.02	19.22	18.99						
5	64QAM	1	12	18.99	18.93	19.13	19.31	19.24						
5	64QAM	1	24	18.88	18.95	19.15	19.09	19.13	20.5	2				
5	64QAM	12	0	17.96	18.08	18.09	18.18	18.25						
5	64QAM	12	7	18.03	18.12	18.07	18.14	18.11						
5	64QAM	12	13	18.04	18.06	18.14	18.31	18.07						
5	64QAM	25	0	17.90	17.97	18.16	18.11	18.09	19.5	3				

Band 41 (HPUE)_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.70	23.78	23.82	23.84	23.81	25.5	0	
20	QPSK	1	49	24.03	23.79	24.01	24.07	23.94			
20	QPSK	1	99	23.71	23.69	23.76	24.00	23.77			
20	QPSK	50	0	22.61	22.83	22.96	22.96	22.91			
20	QPSK	50	24	22.80	22.86	23.00	23.07	22.97	24.5	1	
20	QPSK	50	50	22.79	22.73	22.92	23.06	22.92			
20	QPSK	100	0	22.72	22.80	22.84	23.00	22.94			
20	16QAM	1	0	22.94	22.98	22.96	23.07	23.04			
20	16QAM	1	49	23.03	23.01	23.04	23.10	23.16	24.5	1	
20	16QAM	1	99	22.76	22.82	23.04	23.09	23.04			
20	16QAM	50	0	21.81	21.75	22.07	22.04	21.94			
20	16QAM	50	24	21.87	21.81	22.08	22.03	22.03			
20	16QAM	50	50	21.63	21.84	21.99	22.14	21.93	23.5	2	
20	16QAM	100	0	21.80	21.86	21.90	22.10	21.92			
20	64QAM	1	0	21.80	21.93	21.97	22.10	21.98			
20	64QAM	1	49	21.93	21.96	22.04	22.19	22.15			
20	64QAM	1	99	21.74	21.84	21.95	22.01	22.02	23.5	2	
20	64QAM	50	0	20.68	20.70	20.88	21.02	20.97			
20	64QAM	50	24	20.67	20.90	20.93	21.06	20.99			
20	64QAM	50	50	20.70	20.80	20.89	21.11	21.01			
20	64QAM	100	0	20.62	20.86	20.86	21.05	20.83	22.5	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.52	23.63	23.70	23.82	23.60			25.5
15	QPSK	1	37	23.51	23.56	23.87	23.90	23.77			
15	QPSK	1	74	23.66	23.51	23.71	23.79	23.77			
15	QPSK	36	0	22.57	22.67	22.69	22.90	22.74			
15	QPSK	36	20	22.73	22.78	22.85	22.95	22.83	24.5	1	
15	QPSK	36	39	22.70	22.69	22.91	22.98	22.77			
15	QPSK	75	0	22.50	22.81	22.76	22.81	22.86			
15	16QAM	1	0	22.80	22.82	22.97	23.11	22.94			
15	16QAM	1	37	22.73	22.97	22.91	23.04	22.89	24.5	1	
15	16QAM	1	74	22.62	22.83	22.87	23.02	22.88			
15	16QAM	36	0	21.80	21.79	22.00	22.01	21.97			
15	16QAM	36	20	21.67	21.72	21.85	21.87	21.93			
15	16QAM	36	39	21.57	21.62	21.76	21.83	21.88	23.5	2	
15	16QAM	75	0	21.54	21.64	21.79	21.83	21.88			
15	64QAM	1	0	21.68	21.80	21.89	21.88	21.90			
15	64QAM	1	37	21.82	21.74	21.96	21.99	21.92			
15	64QAM	1	74	21.63	21.57	21.78	22.00	21.87	23.5	2	
15	64QAM	36	0	20.50	20.63	20.84	20.86	20.77			
15	64QAM	36	20	20.57	20.63	20.76	20.92	20.70			
15	64QAM	36	39	20.55	20.65	20.92	20.98	20.80			
15	64QAM	75	0	20.68	20.75	20.66	20.78	20.69	22.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2545.7	2593	2639	2685			
10	QPSK	1	0	23.66	23.57	23.89	23.78	23.79			25.5
10	QPSK	1	25	23.60	23.64	23.80	23.96	23.95			
10	QPSK	1	49	23.59	23.62	23.74	23.78	23.81			
10	QPSK	25	0	22.67	22.76	22.72	22.99	22.88			
10	QPSK	25	12	22.78	22.84	22.99	22.98	22.88	24.5	1	
10	QPSK	25	25	22.74	22.79	22.82	22.94	22.83			
10	QPSK	50	0	22.60	22.83	22.87	22.95	22.99			
10	16QAM	1	0	22.96	22.90	22.98	22.97	22.99			
10	16QAM	1	25	22.86	22.99	23.02	23.15	23.05	24.5	1	
10	16QAM	1	49	22.71	22.77	22.99	23.14	22.85			
10	16QAM	25	0	21.79	21.81	21.92	22.05	22.05			
10	16QAM	25	12	21.58	21.68	21.85	21.90	21.89			
10	16QAM	25	25	21.58	21.72	21.96	22.02	21.84	23.5	2	
10	16QAM	50	0	21.62	21.76	21.74	21.81	21.81			
10	64QAM	1	0	21.82	21.97	21.96	22.07	22.00			
10	64QAM	1	25	21.93	21.77	21.98	22.20	22.04			
10	64QAM	1	49	21.77	21.77	21.75	22.08	21.90	23.5	2	
10	64QAM	25	0	20.58	20.79	20.72	21.00	20.82			
10	64QAM	25	12	20.63	20.72	20.83	20.92	20.82			
10	64QAM	25	25	20.64	20.69	20.87	21.04	20.85			
10	64QAM	50	0	20.66	20.68	20.71	20.86	20.75	22.5	3	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.57	23.63	23.85	23.83	23.69			25.5
5	QPSK	1	12	23.72	23.66	23.86	23.94	23.89			
5	QPSK	1	24	23.47	23.65	23.65	23.99	23.80			
5	QPSK	12	0	22.55	22.82	22.81	22.97	22.80			
5	QPSK	12	7	22.65	22.75	22.97	23.00	22.95	24.5	1	
5	QPSK	12	13	22.62	22.61	22.84	23.04	22.85			
5	QPSK	25	0	22.72	22.82	22.84	22.84	22.93			
5	16QAM	1	0	22.89	22.98	22.97	23.10	22.97			
5	16QAM	1	12	22.93	22.96	23.12	23.17	22.90	24.5	1	
5	16QAM	1	24	22.82	22.89	22.95	23.06	22.92			
5	16QAM	12	0	21.78	21.79	21.81	21.99	21.97			
5	16QAM	12	7	21.74	21.73	21.92	21.99	21.94			
5	16QAM	12	13	21.63	21.65	21.93	21.96	21.91	23.5	2	
5	16QAM	25	0	21.58	21.72	21.90	22.00	21.86			
5	64QAM	1	0	21.64	21.89	21.82	21.88	22.08			
5	64QAM	1	12	21.86	21.72	22.06	21.96	22.07			
5	64QAM	1	24	21.68	21.60	21.85	21.87	21.84	23.5	2	
5	64QAM	12	0	20.65	20.77	20.90	20.79	21.00			
5	64QAM	12	7	20.73	20.86	20.93	20.88	20.99			
5	64QAM	12	13	20.59	20.63	20.89	21.04	20.83			
5	64QAM	25	0	20.64	20.64	20.75	20.90	20.73	22.5	3	

Reduced Power Mode for Handheld On

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.60	22.57	22.24	23	1	
15	QPSK	1	37	22.67	22.73	22.43			
15	QPSK	1	74	22.52	22.56	22.38			
15	QPSK	36	0	21.62	21.63	21.43	23	1	
15	QPSK	36	20	21.58	21.48	21.35			
15	QPSK	36	39	21.59	21.58	21.28			
15	QPSK	75	0	21.60	21.51	21.31	23	1	
15	16QAM	1	0	21.43	21.43	21.99			
15	16QAM	1	37	21.59	21.69	21.44			
15	16QAM	1	74	22.02	22.06	21.78	22	2	
15	16QAM	36	0	20.56	20.55	20.39			
15	16QAM	36	20	20.44	20.47	20.40			
15	16QAM	36	39	20.64	20.56	20.38	22	2	
15	16QAM	75	0	20.64	20.65	20.35			
15	64QAM	1	0	20.81	20.85	20.44			
15	64QAM	1	37	20.55	20.45	20.67	21	3	
15	64QAM	1	74	20.85	20.78	20.52			
15	64QAM	36	0	19.61	19.59	19.48			
15	64QAM	36	20	19.55	19.60	19.32	21	3	
15	64QAM	36	39	19.46	19.46	19.42			
15	64QAM	75	0	19.45	19.44	19.40			
Channel				26740	26865	26990	24	0	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.37	22.55	22.36	23	1	
10	QPSK	1	25	22.43	22.48	22.33			
10	QPSK	1	49	22.42	22.65	22.28			
10	QPSK	25	0	21.46	21.64	21.40	23	1	
10	QPSK	25	12	21.33	21.60	21.30			
10	QPSK	25	25	21.49	21.53	21.33			
10	QPSK	50	0	21.42	21.52	21.29	23	1	
10	16QAM	1	0	21.42	21.47	21.91			
10	16QAM	1	25	22.10	21.61	21.48			
10	16QAM	1	49	21.32	22.00	21.66	22	2	
10	16QAM	25	0	20.38	20.53	20.42			
10	16QAM	25	12	20.57	20.53	20.51			
10	16QAM	25	25	20.50	20.73	20.46	22	2	
10	16QAM	50	0	20.38	20.52	20.22			
10	64QAM	1	0	20.11	20.76	20.53			
10	64QAM	1	25	20.75	20.64	20.58	21	3	
10	64QAM	1	49	20.32	20.86	20.63			
10	64QAM	25	0	19.46	19.56	19.43			
10	64QAM	25	12	19.34	19.68	19.28	21	3	
10	64QAM	25	25	19.40	19.48	19.37			
10	64QAM	50	0	19.45	19.40	19.47			
Channel				26715	26865	27015	24	0	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.42	22.41	22.29	23	1	
5	QPSK	1	12	22.41	22.50	22.31			
5	QPSK	1	24	22.28	22.48	22.36			
5	QPSK	12	0	21.50	21.55	21.56	23	1	
5	QPSK	12	7	21.47	21.58	21.26			
5	QPSK	12	13	21.47	21.49	21.29			
5	QPSK	25	0	21.55	21.55	21.39	23	1	
5	16QAM	1	0	21.53	21.46	22.02			
5	16QAM	1	12	21.95	21.56	21.53			
5	16QAM	1	24	21.28	22.04	21.66	22	2	
5	16QAM	12	0	20.53	20.55	20.49			
5	16QAM	12	7	20.53	20.46	20.37			
5	16QAM	12	13	20.41	20.67	20.18	22	2	
5	16QAM	25	0	20.48	20.66	20.39			
5	64QAM	1	0	20.31	20.69	20.30			
5	64QAM	1	12	20.80	20.48	20.61	21	3	
5	64QAM	1	24	20.52	20.76	20.57			
5	64QAM	12	0	19.49	19.60	19.36			
5	64QAM	12	7	19.57	19.58	19.44	21	3	
5	64QAM	12	13	19.35	19.47	19.42			
5	64QAM	25	0	19.37	19.49	19.39			
Channel				26705	26865	27025	24	0	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.48	22.64	22.21	23	1	
3	QPSK	1	8	22.28	22.68	22.45			
3	QPSK	1	14	22.29	22.63	22.35			
3	QPSK	8	0	21.48	21.62	21.38	23	1	
3	QPSK	8	4	21.51	21.70	21.24			
3	QPSK	8	7	21.46	21.64	21.27			
3	QPSK	15	0	21.49	21.67	21.33	23	1	
3	16QAM	1	0	21.46	21.35	22.00			
3	16QAM	1	8	22.05	21.67	21.47			
3	16QAM	1	14	21.40	22.09	21.59	22	2	
3	16QAM	8	0	20.66	20.54	20.37			
3	16QAM	8	4	20.40	20.34	20.35			
3	16QAM	8	7	20.57	20.55	20.29	22	2	
3	16QAM	15	0	20.42	20.54	20.35			
3	64QAM	1	0	20.29	20.83	20.48			
3	64QAM	1	8	20.76	20.57	20.68	21	3	
3	64QAM	1	14	20.36	20.87	20.52			
3	64QAM	8	0	19.39	19.55	19.34			
3	64QAM	8	4	19.62	19.39	19.27	21	3	
3	64QAM	8	7	19.44	19.54	19.35			
3	64QAM	15	0	19.45	19.42	19.40			
Channel				26697	26865	27033	24	0	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.42	22.43	22.08	23	1	
1.4	QPSK	1	3	22.58	22.41	22.44			
1.4	QPSK	1	5	22.54	22.30	22.24			
1.4	QPSK	3	0	22.47	22.41	22.36	23	1	
1.4	QPSK	3	1	22.60	22.40	22.26			
1.4	QPSK	3	3	22.56	22.33	22.31			
1.4	QPSK	6	0	21.63	21.41	21.25	22	2	
1.4	16QAM	1	0	21.42	22.04	21.41			
1.4	16QAM	1	3	21.78	21.67	21.15			
1.4	16QAM	1	5	21.91	21.89	21.55	21	3	
1.4	16QAM	3	0	21.56	21.52	21.38			
1.4	16QAM	3	1	21.61	21.53	21.31			
1.4	16QAM	3	3	21.64	21.33	21.36	22	2	
1.4	16QAM	6	0	20.56	20.42	20.45			
1.4	64QAM	1	0	20.77	20.71	20.30			
1.4	64QAM	1	3	20.64	20.13	20.55	21	3	
1.4	64QAM	1	5	20.57	20.73	20.64			
1.4	64QAM	3	0	20.63	20.57	20.44			
1.4	64QAM	3	1	20.80	20.70	20.40	21	3	
1.4	64QAM	3	3	20.62	20.65	20.33			
1.4	64QAM	6	0	19.60	19.56	19.22			

Band 71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	22.18	22.21	22.16	24	0	
20	QPSK	1	49	22.41	22.42	22.40			
20	QPSK	1	99	22.15	22.21	22.19			
20	QPSK	50	0	21.20	21.28	21.17	23	1	
20	QPSK	50	24	21.30	21.31	21.30			
20	QPSK	50	50	21.19	21.23	21.20			
20	QPSK	100	0	21.25	21.31	21.20	23	1	
20	16QAM	1	0	21.43	21.51	21.45			
20	16QAM	1	49	21.74	21.82	21.72			
20	16QAM	1	99	21.25	21.24	21.23	22	2	
20	16QAM	50	0	20.22	20.20	20.12			
20	16QAM	50	24	20.24	20.22	20.23			
20	16QAM	50	50	20.20	20.16	20.12	22	2	
20	16QAM	100	0	20.19	20.23	20.19			
20	64QAM	1	0	20.45	20.45	20.49			
20	64QAM	1	49	20.63	20.61	20.57	22	2	
20	64QAM	1	99	20.37	20.38	20.37			
20	64QAM	50	0	19.24	19.26	19.23			
20	64QAM	50	24	19.31	19.29	19.28	21	3	
20	64QAM	50	50	19.31	19.24	19.27			
20	64QAM	100	0	19.25	19.26	19.21			
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.08	22.04	22.06	24	0	
15	QPSK	1	37	22.36	22.32	22.31			
15	QPSK	1	74	22.05	22.15	22.04			
15	QPSK	36	0	21.12	21.17	21.12	23	1	
15	QPSK	36	20	21.19	21.25	21.19			
15	QPSK	36	39	21.06	21.10	21.09			
15	QPSK	75	0	21.19	21.16	21.15	23	1	
15	16QAM	1	0	21.37	21.42	21.31			
15	16QAM	1	37	21.65	21.67	21.61			
15	16QAM	1	74	21.18	21.19	21.10	22	2	
15	16QAM	36	0	20.18	20.15	20.10			
15	16QAM	36	20	20.14	20.14	20.11			
15	16QAM	36	39	20.05	20.11	20.08	22	2	
15	16QAM	75	0	20.12	20.15	20.12			
15	64QAM	1	0	20.38	20.38	20.33			
15	64QAM	1	37	20.55	20.57	20.50	22	2	
15	64QAM	1	74	20.31	20.34	20.22			
15	64QAM	36	0	19.19	19.18	19.16			
15	64QAM	36	20	19.22	19.16	19.19	21	3	
15	64QAM	36	39	19.22	19.18	19.20			
15	64QAM	75	0	19.13	19.21	19.15			
Channel				133172	133297	133422	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	22.02	22.04	22.01	24	0	
10	QPSK	1	25	22.29	22.31	22.27			
10	QPSK	1	49	22.04	22.09	22.02			
10	QPSK	25	0	21.07	21.12	21.07	23	1	
10	QPSK	25	12	21.15	21.19	21.17			
10	QPSK	25	25	21.06	21.09	21.07			
10	QPSK	50	0	21.12	21.14	21.10	23	1	
10	16QAM	1	0	21.33	21.37	21.28			
10	16QAM	1	25	21.61	21.65	21.58			
10	16QAM	1	49	21.15	21.14	21.08	22	2	
10	16QAM	25	0	20.11	20.10	20.03			
10	16QAM	25	12	20.10	20.03	20.01			
10	16QAM	25	25	20.04	20.05	20.10	22	2	
10	16QAM	50	0	20.09	20.08	20.05			
10	64QAM	1	0	20.34	20.36	20.33			
10	64QAM	1	25	20.48	20.51	20.43	22	2	
10	64QAM	1	49	20.26	20.27	20.21			
10	64QAM	25	0	19.14	19.16	19.09			
10	64QAM	25	12	19.16	19.16	19.12	21	3	
10	64QAM	25	25	19.15	19.15	19.13			
10	64QAM	50	0	19.11	19.14	19.12			
Channel				133147	133297	133447	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	22.08	22.10	22.04	24	0	
5	QPSK	1	12	22.31	22.34	22.34			
5	QPSK	1	24	22.08	22.12	22.10			
5	QPSK	12	0	21.13	21.15	21.13	23	1	
5	QPSK	12	7	21.17	21.24	21.23			
5	QPSK	12	13	21.08	21.15	21.12			
5	QPSK	25	0	21.20	21.17	21.17	23	1	
5	16QAM	1	0	21.37	21.39	21.34			
5	16QAM	1	12	21.63	21.71	21.66			
5	16QAM	1	24	21.18	21.19	21.16	23	1	
5	16QAM	12	0	20.18	20.18	20.07			
5	16QAM	12	7	20.18	20.18	20.17			
5	16QAM	12	13	20.06	20.14	20.05	22	2	
5	16QAM	25	0	20.12	20.14	20.12			
5	64QAM	1	0	20.41	20.39	20.39			
5	64QAM	1	12	20.56	20.55	20.48	22	2	
5	64QAM	1	24	20.32	20.36	20.30			
5	64QAM	12	0	19.19	19.25	19.12			
5	64QAM	12	7	19.18	19.21	19.15	21	3	
5	64QAM	12	13	19.22	19.24	19.22			
5	64QAM	25	0	19.16	19.18	19.17			

Band 41_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	21.23	21.24	21.32	21.48	21.42	23	0	
20	QPSK	1	49	21.26	21.42	21.54	21.60	21.51			
20	QPSK	1	99	21.17	21.16	21.45	21.49	21.46			
20	QPSK	50	0	20.38	20.50	20.48	20.63	20.57	22	1	
20	QPSK	50	24	20.46	20.56	20.65	20.67	20.61			
20	QPSK	50	50	20.38	20.49	20.57	20.64	20.52			
20	QPSK	100	0	20.50	20.52	20.53	20.66	20.65	22	1	
20	16QAM	1	0	20.60	20.66	20.62	20.68	20.67			
20	16QAM	1	49	20.65	20.74	20.79	20.88	20.65			
20	16QAM	1	99	20.58	20.63	20.74	20.79	20.58	21	2	
20	16QAM	50	0	19.61	19.52	19.74	19.76	19.81			
20	16QAM	50	24	19.53	19.64	19.71	19.78	19.85			
20	16QAM	50	50	19.43	19.57	19.72	19.71	19.67	21	2	
20	16QAM	100	0	19.61	19.65	19.60	19.71	19.67			
20	64QAM	1	0	19.52	19.62	19.83	19.75	19.72			
20	64QAM	1	49	19.76	19.70	19.77	20.02	19.95	20	3	
20	64QAM	1	99	19.48	19.56	19.73	19.77	19.77			
20	64QAM	50	0	18.59	18.71	18.80	18.92	18.76			
20	64QAM	50	24	18.60	18.71	18.75	19.00	18.76	20	3	
20	64QAM	50	50	18.69	18.66	18.85	18.96	18.73			
20	64QAM	100	0	18.54	18.77	18.70	18.93	18.70			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.17	21.14	21.41	21.27	21.35	23	0	
15	QPSK	1	37	21.13	21.27	21.43	21.53	21.28			
15	QPSK	1	74	21.08	21.16	21.38	21.33	21.23			
15	QPSK	36	0	20.18	20.47	20.41	20.63	20.45	22	1	
15	QPSK	36	20	20.39	20.51	20.45	20.60	20.54			
15	QPSK	36	39	20.22	20.30	20.59	20.54	20.56			
15	QPSK	75	0	20.39	20.40	20.53	20.65	20.57	22	1	
15	16QAM	1	0	20.47	20.61	20.72	20.74	20.64			
15	16QAM	1	37	20.50	20.59	20.60	20.75	20.66			
15	16QAM	1	74	20.41	20.52	20.53	20.75	20.60	21	2	
15	16QAM	36	0	19.55	19.58	19.72	19.66	19.78			
15	16QAM	36	20	19.49	19.60	19.62	19.85	19.77			
15	16QAM	36	39	19.31	19.54	19.67	19.77	19.62	21	2	
15	16QAM	75	0	19.56	19.62	19.51	19.70	19.65			
15	64QAM	1	0	19.51	19.63	19.75	19.81	19.65			
15	64QAM	1	37	19.61	19.71	19.82	19.86	19.68	20	3	
15	64QAM	1	74	19.32	19.63	19.73	19.79	19.62			
15	64QAM	36	0	18.53	18.62	18.67	18.92	18.84			
15	64QAM	36	20	18.45	18.73	18.71	18.91	18.70	20	3	
15	64QAM	36	39	18.45	18.65	18.85	18.93	18.63			
15	64QAM	75	0	18.53	18.58	18.81	18.70	18.65			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.23	21.13	21.22	21.45	21.20	23	0	
10	QPSK	1	25	21.26	21.21	21.36	21.55	21.39			
10	QPSK	1	49	21.18	21.22	21.30	21.30	21.38			
10	QPSK	25	0	20.26	20.39	20.44	20.60	20.58	22	1	
10	QPSK	25	12	20.31	20.41	20.53	20.68	20.60			
10	QPSK	25	25	20.31	20.30	20.55	20.61	20.50			
10	QPSK	50	0	20.41	20.50	20.54	20.48	20.43	22	1	
10	16QAM	1	0	20.59	20.56	20.65	20.80	20.56			
10	16QAM	1	25	20.59	20.56	20.74	20.77	20.61			
10	16QAM	1	49	20.37	20.42	20.64	20.79	20.64	21	2	
10	16QAM	25	0	19.57	19.47	19.67	19.80	19.66			
10	16QAM	25	12	19.52	19.56	19.61	19.70	19.79			
10	16QAM	25	25	19.35	19.50	19.69	19.70	19.62	21	2	
10	16QAM	50	0	19.37	19.45	19.62	19.61	19.55			
10	64QAM	1	0	19.46	19.68	19.66	19.74	19.65			
10	64QAM	1	25	19.60	19.69	19.87	19.97	19.83	20	3	
10	64QAM	1	49	19.45	19.39	19.69	19.78	19.65			
10	64QAM	25	0	18.54	18.68	18.69	18.80	18.74			
10	64QAM	25	12	18.66	18.75	18.78	18.79	18.80	20	3	
10	64QAM	25	25	18.61	18.66	18.76	18.81	18.81			
10	64QAM	50	0	18.51	18.62	18.80	18.91	18.70			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.20	21.14	21.24	21.39	21.22	23	0	
5	QPSK	1	12	21.16	21.34	21.40	21.52	21.49			
5	QPSK	1	24	21.10	21.09	21.41	21.42	21.36			
5	QPSK	12	0	20.41	20.39	20.38	20.57	20.55	22	1	
5	QPSK	12	7	20.30	20.51	20.54	20.66	20.48			
5	QPSK	12	13	20.33	20.47	20.43	20.59	20.42			
5	QPSK	25	0	20.37	20.36	20.51	20.56	20.48	22	1	
5	16QAM	1	0	20.55	20.56	20.64	20.65	20.75			
5	16QAM	1	12	20.60	20.49	20.55	20.69	20.58			
5	16QAM	1	24	20.40	20.51	20.48	20.76	20.48	21	2	
5	16QAM	12	0	19.50	19.46	19.69	19.69	19.76			
5	16QAM	12	7	19.56	19.64	19.75	19.74	19.66			
5	16QAM	12	13	19.49	19.48	19.61	19.77	19.56	21	2	
5	16QAM	25	0	19.37	19.66	19.54	19.84	19.60			
5	64QAM	1	0	19.65	19.56	19.76	19.80	19.76			
5	64QAM	1	12	19.59	19.70	19.70	19.91	19.72	21	2	
5	64QAM	1	24	19.37	19.53	19.74	19.76	19.66			
5	64QAM	12	0	18.63	18.77	18.81	18.72	18.81			
5	64QAM	12	7	18.62	18.83	18.68	18.75	18.82	20	3	
5	64QAM	12	13	18.60	18.53	18.85	18.86	18.73			
5	64QAM	25	0	18.52	18.72	18.72	18.78	18.67			

Band 41 (HPUE)_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.25	24.35	24.56	24.45	24.44	26	0	
20	QPSK	1	49	24.30	24.37	24.62	24.72	24.57			
20	QPSK	1	99	24.26	24.19	24.53	24.44	24.53	25	1	
20	QPSK	50	0	23.36	23.39	23.51	23.69	23.52			
20	QPSK	50	24	23.43	23.51	23.63	23.73	23.61	24	2	
20	QPSK	50	50	23.29	23.31	23.57	23.60	23.60			
20	QPSK	100	0	23.35	23.40	23.45	23.66	23.49	24	2	
20	16QAM	1	0	23.52	23.64	23.56	23.71	23.73			
20	16QAM	1	49	23.53	23.64	23.76	23.89	23.64	25	1	
20	16QAM	1	99	23.53	23.50	23.52	23.70	23.64			
20	16QAM	50	0	22.39	22.37	22.62	22.70	22.53	24	2	
20	16QAM	50	24	22.38	22.43	22.62	22.65	22.68			
20	16QAM	50	50	22.35	22.34	22.59	22.61	22.58	24	2	
20	16QAM	100	0	22.29	22.47	22.47	22.68	22.61			
20	64QAM	1	0	22.37	22.60	22.67	22.59	22.52	24	2	
20	64QAM	1	49	22.48	22.41	22.58	22.78	22.72			
20	64QAM	1	99	22.38	22.33	22.56	22.66	22.47	23	3	
20	64QAM	50	0	21.34	21.30	21.54	21.51	21.49			
20	64QAM	50	24	21.37	21.52	21.59	21.58	21.57	23	3	
20	64QAM	50	50	21.25	21.47	21.59	21.55	21.61			
20	64QAM	100	0	21.25	21.46	21.52	21.56	21.35			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	24.23	24.14	24.35	24.42	24.31	26	0	
15	QPSK	1	37	24.27	24.32	24.36	24.49	24.39			
15	QPSK	1	74	24.08	24.20	24.37	24.37	24.31	25	1	
15	QPSK	36	0	23.26	23.28	23.35	23.54	23.42			
15	QPSK	36	20	23.29	23.41	23.55	23.59	23.52	25	1	
15	QPSK	36	39	23.11	23.37	23.47	23.43	23.47			
15	QPSK	75	0	23.24	23.42	23.24	23.54	23.45	25	1	
15	16QAM	1	0	23.36	23.55	23.63	23.63	23.52			
15	16QAM	1	37	23.39	23.46	23.48	23.62	23.44	24	2	
15	16QAM	1	74	23.27	23.39	23.51	23.67	23.51			
15	16QAM	36	0	22.36	22.37	22.60	22.59	22.38	24	2	
15	16QAM	36	20	22.34	22.29	22.43	22.44	22.47			
15	16QAM	36	39	22.25	22.30	22.47	22.47	22.45	24	2	
15	16QAM	75	0	22.12	22.30	22.46	22.57	22.37			
15	64QAM	1	0	22.26	22.30	22.50	22.50	22.57	24	2	
15	64QAM	1	37	22.45	22.35	22.64	22.53	22.64			
15	64QAM	1	74	22.27	22.20	22.36	22.43	22.46	23	3	
15	64QAM	36	0	21.23	21.28	21.33	21.52	21.43			
15	64QAM	36	20	21.07	21.34	21.27	21.39	21.37	23	3	
15	64QAM	36	39	21.24	21.28	21.47	21.44	21.40			
15	64QAM	75	0	21.20	21.22	21.41	21.52	21.33			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	24.30	24.29	24.38	24.53	24.37	26	0	
10	QPSK	1	25	24.30	24.32	24.53	24.53	24.50			
10	QPSK	1	49	24.15	24.28	24.43	24.43	24.41	25	1	
10	QPSK	25	0	23.13	23.28	23.45	23.61	23.38			
10	QPSK	25	12	23.39	23.44	23.54	23.52	23.52	25	1	
10	QPSK	25	25	23.27	23.20	23.43	23.64	23.45			
10	QPSK	50	0	23.28	23.42	23.35	23.49	23.50	25	1	
10	16QAM	1	0	23.46	23.63	23.64	23.68	23.51			
10	16QAM	1	25	23.43	23.47	23.65	23.59	23.56	24	2	
10	16QAM	1	49	23.31	23.42	23.57	23.72	23.60			
10	16QAM	25	0	22.32	22.42	22.52	22.62	22.65	24	2	
10	16QAM	25	12	22.30	22.36	22.43	22.63	22.47			
10	16QAM	25	25	22.26	22.32	22.50	22.58	22.57	24	2	
10	16QAM	50	0	22.31	22.24	22.29	22.46	22.57			
10	64QAM	1	0	22.39	22.47	22.65	22.65	22.58	24	2	
10	64QAM	1	25	22.54	22.49	22.68	22.65	22.55			
10	64QAM	1	49	22.37	22.32	22.48	22.59	22.59	23	3	
10	64QAM	25	0	21.28	21.37	21.47	21.55	21.55			
10	64QAM	25	12	21.27	21.28	21.50	21.44	21.51	23	3	
10	64QAM	25	25	21.30	21.27	21.45	21.52	21.48			
10	64QAM	50	0	21.18	21.28	21.42	21.51	21.38			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	24.09	24.19	24.41	24.45	24.41	26	0	
5	QPSK	1	12	24.26	24.26	24.48	24.68	24.43			
5	QPSK	1	24	24.05	24.23	24.29	24.44	24.41	25	1	
5	QPSK	12	0	23.24	23.25	23.38	23.55	23.50			
5	QPSK	12	7	23.35	23.37	23.42	23.65	23.52	24	2	
5	QPSK	12	13	23.33	23.34	23.29	23.61	23.40			
5	QPSK	25	0	23.37	23.33	23.44	23.45	23.57	24	2	
5	16QAM	1	0	23.34	23.41	23.64	23.66	23.61			
5	16QAM	1	12	23.45	23.56	23.67	23.69	23.53	25	1	
5	16QAM	1	24	23.39	23.51	23.62	23.76	23.49			
5	16QAM	12	0	22.27	22.30	22.48	22.54	22.47	24	2	
5	16QAM	12	7	22.31	22.37	22.52	22.61	22.54			
5	16QAM	12	13	22.25	22.34	22.43	22.54	22.41	24	2	
5	16QAM	25	0	22.19	22.22	22.51	22.45	22.44			
5	64QAM	1	0	22.35	22.47	22.43	22.68	22.57	24	2	
5	64QAM	1	12	22.40	22.45	22.63	22.58	22.62			
5	64QAM	1	24	22.22	22.27	22.45	22.45	22.41	23	3	
5	64QAM	12	0	21.31	21.37	21.39	21.58	21.56			
5	64QAM	12	7	21.26	21.35	21.45	21.46	21.44	23	3	
5	64QAM	12	13	21.28	21.22	21.40	21.53	21.44			
5	64QAM	25	0	21.27	21.25	21.45	21.46	21.26			

Reduced Power Mode for Hotspot On

Band 26(FCC)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	24	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.60	22.57	22.24	23	1	
15	QPSK	1	37	22.67	22.73	22.43			
15	QPSK	1	74	22.52	22.56	22.38			
15	QPSK	36	0	21.62	21.63	21.43	23	1	
15	QPSK	36	20	21.58	21.48	21.35			
15	QPSK	36	39	21.59	21.58	21.28			
15	QPSK	75	0	21.60	21.51	21.31	23	1	
15	16QAM	1	0	21.43	21.43	21.99			
15	16QAM	1	37	21.59	21.69	21.44			
15	16QAM	1	74	22.02	22.06	21.78	22	2	
15	16QAM	36	0	20.56	20.55	20.39			
15	16QAM	36	20	20.44	20.47	20.40			
15	16QAM	36	39	20.64	20.56	20.38	22	2	
15	16QAM	75	0	20.64	20.65	20.35			
15	64QAM	1	0	20.81	20.85	20.44			
15	64QAM	1	37	20.55	20.45	20.67	21	3	
15	64QAM	1	74	20.85	20.78	20.52			
15	64QAM	36	0	19.61	19.59	19.48			
15	64QAM	36	20	19.55	19.60	19.32	21	3	
15	64QAM	36	39	19.46	19.46	19.42			
15	64QAM	75	0	19.45	19.44	19.40			
Channel				26740	26865	26990	24	0	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.37	22.55	22.36	23	1	
10	QPSK	1	25	22.43	22.48	22.33			
10	QPSK	1	49	22.42	22.65	22.28			
10	QPSK	25	0	21.46	21.64	21.40	23	1	
10	QPSK	25	12	21.33	21.60	21.30			
10	QPSK	25	25	21.49	21.53	21.33			
10	QPSK	50	0	21.42	21.52	21.29	23	1	
10	16QAM	1	0	21.42	21.47	21.91			
10	16QAM	1	25	22.10	21.61	21.48			
10	16QAM	1	49	21.32	22.00	21.66	22	2	
10	16QAM	25	0	20.38	20.53	20.42			
10	16QAM	25	12	20.57	20.53	20.51			
10	16QAM	25	25	20.50	20.73	20.46	22	2	
10	16QAM	50	0	20.38	20.52	20.22			
10	64QAM	1	0	20.11	20.76	20.53			
10	64QAM	1	25	20.75	20.64	20.58	21	3	
10	64QAM	1	49	20.32	20.86	20.63			
10	64QAM	25	0	19.46	19.56	19.43			
10	64QAM	25	12	19.34	19.68	19.28	21	3	
10	64QAM	25	25	19.40	19.48	19.37			
10	64QAM	50	0	19.45	19.40	19.47			
Channel				26715	26865	27015	24	0	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.42	22.41	22.29	23	1	
5	QPSK	1	12	22.41	22.50	22.31			
5	QPSK	1	24	22.28	22.48	22.36			
5	QPSK	12	0	21.50	21.55	21.56	23	1	
5	QPSK	12	7	21.47	21.58	21.26			
5	QPSK	12	13	21.47	21.49	21.29			
5	QPSK	25	0	21.55	21.55	21.39	23	1	
5	16QAM	1	0	21.53	21.46	22.02			
5	16QAM	1	12	21.95	21.56	21.53			
5	16QAM	1	24	21.28	22.04	21.66	22	2	
5	16QAM	12	0	20.53	20.55	20.49			
5	16QAM	12	7	20.53	20.46	20.37			
5	16QAM	12	13	20.41	20.67	20.18	22	2	
5	16QAM	25	0	20.48	20.66	20.39			
5	64QAM	1	0	20.31	20.69	20.30			
5	64QAM	1	12	20.80	20.48	20.61	21	3	
5	64QAM	1	24	20.52	20.76	20.57			
5	64QAM	12	0	19.49	19.60	19.36			
5	64QAM	12	7	19.57	19.58	19.44	21	3	
5	64QAM	12	13	19.35	19.47	19.42			
5	64QAM	25	0	19.37	19.49	19.39			
Channel				26705	26865	27025	24	0	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.48	22.64	22.21	23	1	
3	QPSK	1	8	22.28	22.68	22.45			
3	QPSK	1	14	22.29	22.63	22.35			
3	QPSK	8	0	21.48	21.62	21.38	23	1	
3	QPSK	8	4	21.51	21.70	21.24			
3	QPSK	8	7	21.46	21.64	21.27			
3	QPSK	15	0	21.49	21.67	21.33	23	1	
3	16QAM	1	0	21.46	21.35	22.00			
3	16QAM	1	8	22.05	21.67	21.47			
3	16QAM	1	14	21.40	22.09	21.59	22	2	
3	16QAM	8	0	20.66	20.54	20.37			
3	16QAM	8	4	20.40	20.34	20.35			
3	16QAM	8	7	20.57	20.55	20.29	22	2	
3	16QAM	15	0	20.42	20.54	20.35			
3	64QAM	1	0	20.29	20.83	20.48			
3	64QAM	1	8	20.76	20.57	20.68	21	3	
3	64QAM	1	14	20.36	20.87	20.52			
3	64QAM	8	0	19.39	19.55	19.34			
3	64QAM	8	4	19.62	19.39	19.27	21	3	
3	64QAM	8	7	19.44	19.54	19.35			
3	64QAM	15	0	19.45	19.42	19.40			
Channel				26697	26865	27033	24	0	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.42	22.43	22.08	23	1	
1.4	QPSK	1	3	22.58	22.41	22.44			
1.4	QPSK	1	5	22.54	22.30	22.24			
1.4	QPSK	3	0	22.47	22.41	22.36	23	1	
1.4	QPSK	3	1	22.60	22.40	22.26			
1.4	QPSK	3	3	22.56	22.33	22.31			
1.4	QPSK	6	0	21.63	21.41	21.25	22	2	
1.4	16QAM	1	0	21.42	22.04	21.41			
1.4	16QAM	1	3	21.78	21.67	21.15			
1.4	16QAM	1	5	21.91	21.89	21.55	21	3	
1.4	16QAM	3	0	21.56	21.52	21.38			
1.4	16QAM	3	1	21.61	21.53	21.31			
1.4	16QAM	3	3	21.64	21.33	21.36	22	2	
1.4	16QAM	6	0	20.56	20.42	20.45			
1.4	64QAM	1	0	20.77	20.71	20.30			
1.4	64QAM	1	3	20.64	20.13	20.55	21	3	
1.4	64QAM	1	5	20.57	20.73	20.64			
1.4	64QAM	3	0	20.63	20.57	20.44			
1.4	64QAM	3	1	20.80	20.70	20.40	21	3	
1.4	64QAM	3	3	20.62	20.65	20.33			
1.4	64QAM	6	0	19.60	19.56	19.22			

Band 71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372	24	0	
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	22.18	22.21	22.16	23	1	
20	QPSK	1	49	22.41	22.42	22.40			
20	QPSK	1	99	22.15	22.21	22.19			
20	QPSK	50	0	21.20	21.28	21.17	23	1	
20	QPSK	50	24	21.30	21.31	21.30			
20	QPSK	50	50	21.19	21.23	21.21			
20	QPSK	100	0	21.25	21.31	21.20	23	1	
20	16QAM	1	0	21.43	21.51	21.45			
20	16QAM	1	49	21.74	21.82	21.72			
20	16QAM	1	99	21.25	21.24	21.23	22	2	
20	16QAM	50	0	20.22	20.20	20.12			
20	16QAM	50	24	20.24	20.22	20.23			
20	16QAM	50	50	20.20	20.16	20.19	22	2	
20	16QAM	100	0	20.19	20.23	20.19			
20	64QAM	1	0	20.65	20.45	20.49			
20	64QAM	1	49	20.43	20.61	20.57	22	2	
20	64QAM	1	99	20.37	20.38	20.37			
20	64QAM	50	0	19.24	19.26	19.23			
20	64QAM	50	24	19.31	19.29	19.28	21	3	
20	64QAM	50	50	19.31	19.24	19.27			
20	64QAM	100	0	19.25	19.26	19.21			
Channel				133197	133297	133397	24	0	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.08	22.04	22.06	23	1	
15	QPSK	1	37	22.36	22.32	22.31			
15	QPSK	1	74	22.05	22.15	22.04			
15	QPSK	36	0	21.12	21.17	21.12	23	1	
15	QPSK	36	20	21.19	21.25	21.19			
15	QPSK	36	39	21.06	21.10	21.09			
15	QPSK	75	0	21.19	21.16	21.15	23	1	
15	16QAM	1	0	21.37	21.42	21.32			
15	16QAM	1	37	21.65	21.67	21.61			
15	16QAM	1	74	21.18	21.19	21.18	22	2	
15	16QAM	36	0	20.18	20.15	20.10			
15	16QAM	36	20	20.14	20.14	20.11			
15	16QAM	36	39	20.05	20.11	20.08	22	2	
15	16QAM	75	0	20.12	20.15	20.12			
15	64QAM	1	0	20.38	20.38	20.33			
15	64QAM	1	37	20.55	20.57	20.50	22	2	
15	64QAM	1	74	20.31	20.34	20.22			
15	64QAM	36	0	19.19	19.18	19.16			
15	64QAM	36	20	19.22	19.16	19.19	21	3	
15	64QAM	36	39	19.22	19.18	19.20			
15	64QAM	75	0	19.13	19.21	19.15			
Channel				133172	133297	133422	24	0	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	22.02	22.04	22.01	23	1	
10	QPSK	1	25	22.29	22.31	22.27			
10	QPSK	1	49	22.04	22.09	22.02			
10	QPSK	25	0	21.07	21.12	21.07	23	1	
10	QPSK	25	12	21.15	21.19	21.17			
10	QPSK	25	25	21.06	21.09	21.07			
10	QPSK	50	0	21.12	21.14	21.10	23	1	
10	16QAM	1	0	21.33	21.37	21.28			
10	16QAM	1	25	21.61	21.65	21.58			
10	16QAM	1	49	21.15	21.14	21.08	22	2	
10	16QAM	25	0	20.11	20.10	20.03			
10	16QAM	25	12	20.10	20.13	20.10			
10	16QAM	25	25	20.04	20.05	20.01	22	2	
10	16QAM	50	0	20.09	20.08	20.05			
10	64QAM	1	0	20.34	20.36	20.33			
10	64QAM	1	25	20.48	20.51	20.43	22	2	
10	64QAM	1	49	20.26	20.27	20.21			
10	64QAM	25	0	19.14	19.16	19.09			
10	64QAM	25	12	19.16	19.16	19.12	21	3	
10	64QAM	25	25	19.15	19.15	19.13			
10	64QAM	50	0	19.11	19.14	19.12			
Channel				133147	133297	133447	24	0	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	22.08	22.10	22.04	23	1	
5	QPSK	1	12	22.31	22.24	22.34			
5	QPSK	1	24	22.08	22.12	22.10			
5	QPSK	12	0	21.13	21.15	21.13	23	1	
5	QPSK	12	7	21.17	21.24	21.23			
5	QPSK	12	13	21.08	21.15	21.12			
5	QPSK	25	0	21.20	21.17	21.17	23	1	
5	16QAM	1	0	21.37	21.39	21.34			
5	16QAM	1	12	21.63	21.71	21.66			
5	16QAM	1	24	21.18	21.19	21.18	22	2	
5	16QAM	12	0	20.18	20.18	20.07			
5	16QAM	12	7	20.16	20.18	20.17			
5	16QAM	12	13	20.06	20.14	20.05	22	2	
5	16QAM	25	0	20.12	20.14	20.12			
5	64QAM	1	0	20.41	20.39	20.39			
5	64QAM	1	12	20.56	20.55	20.48	22	2	
5	64QAM	1	24	20.32	20.36	20.30			
5	64QAM	12	0	19.19	19.25	19.19			
5	64QAM	12	7	19.18	19.21	19.15	21	3	
5	64QAM	12	13	19.22	19.24	19.22			
5	64QAM	25	0	19.16	19.18	19.17			

Band 41_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	20.65	20.66	20.83	20.80	20.80	22.5	0	
20	QPSK	1	49	20.69	20.68	20.86	21.04	20.87			
20	QPSK	1	99	20.51	20.65	20.72	20.84	20.75			
20	QPSK	50	0	19.73	19.90	19.95	20.05	20.04			
20	QPSK	50	24	19.85	19.90	20.00	20.10	20.07	21.5	1	
20	QPSK	50	50	19.68	19.76	19.91	20.00	20.01			
20	QPSK	100	0	19.88	19.99	19.84	20.08	20.02			
20	16QAM	1	0	20.07	20.10	20.05	20.24	20.15			
20	16QAM	1	49	19.99	20.09	20.03	20.24	20.09	21.5	1	
20	16QAM	1	99	19.95	19.93	20.01	20.11	19.91			
20	16QAM	50	0	19.03	18.95	19.04	19.24	19.18			
20	16QAM	50	24	19.03	19.10	19.22	19.22	19.18			
20	16QAM	50	50	18.96	19.03	19.08	19.29	19.09	20.5	2	
20	16QAM	100	0	18.90	19.08	19.02	19.22	19.19			
20	64QAM	1	0	18.91	19.16	19.05	19.32	19.10			
20	64QAM	1	49	19.09	19.01	19.24	19.26	19.17			
20	64QAM	1	99	18.95	18.88	19.02	19.25	19.08	20.5	2	
20	64QAM	50	0	17.94	18.02	18.23	18.24	18.31			
20	64QAM	50	24	18.02	18.17	18.20	18.23	18.21			
20	64QAM	50	50	18.10	18.09	18.33	18.36	18.11			
20	64QAM	100	0	18.06	18.02	18.08	18.35	18.23	19.5	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	20.58	20.62	20.72	20.81	20.63	22.5	0	
15	QPSK	1	37	20.52	20.71	20.76	20.97	20.71			
15	QPSK	1	74	20.53	20.59	20.79	20.68	20.70			
15	QPSK	36	0	19.75	19.90	19.99	20.07	19.95			
15	QPSK	36	20	19.82	19.92	19.93	20.02	19.83	21.5	1	
15	QPSK	36	39	19.79	19.75	19.85	19.92	20.01			
15	QPSK	75	0	19.72	19.86	19.82	20.01	19.90			
15	16QAM	1	0	19.95	19.98	19.98	20.01	20.03			
15	16QAM	1	37	19.98	19.92	20.11	20.28	19.95	21.5	1	
15	16QAM	1	74	19.78	19.98	20.08	20.06	19.99			
15	16QAM	36	0	18.90	18.91	19.05	19.04	19.01			
15	16QAM	36	20	18.85	19.07	19.14	19.09	19.12			
15	16QAM	36	39	18.75	18.90	19.17	19.11	19.03	20.5	2	
15	16QAM	75	0	18.82	18.95	18.97	19.14	19.05			
15	64QAM	1	0	18.93	18.93	19.05	19.14	19.14			
15	64QAM	1	37	19.13	19.18	19.29	19.34	19.27			
15	64QAM	1	74	18.82	19.00	19.00	19.14	19.03	20.5	2	
15	64QAM	36	0	17.91	18.11	18.22	18.23	18.15			
15	64QAM	36	20	17.85	17.98	18.05	18.33	18.04			
15	64QAM	36	39	17.94	18.12	18.26	18.18	18.12			
15	64QAM	75	0	17.91	18.15	18.14	18.08	18.01	19.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	20.54	20.53	20.61	20.72	20.77	22.5	0	
10	QPSK	1	25	20.61	20.65	20.76	20.84	20.85			
10	QPSK	1	49	20.50	20.55	20.79	20.81	20.70			
10	QPSK	25	0	19.58	19.75	19.78	19.90	19.95			
10	QPSK	25	12	19.77	19.93	19.97	20.03	19.94	21.5	1	
10	QPSK	25	25	19.72	19.68	19.87	20.05	19.94			
10	QPSK	50	0	19.74	19.93	19.96	19.95	19.88			
10	16QAM	1	0	19.84	19.82	19.95	20.18	20.08			
10	16QAM	1	25	20.01	19.86	20.10	20.22	19.96	21.5	1	
10	16QAM	1	49	19.89	19.94	20.04	20.14	19.93			
10	16QAM	25	0	18.97	19.01	19.15	19.21	19.01			
10	16QAM	25	12	18.79	18.93	19.04	19.25	19.18			
10	16QAM	25	25	18.89	19.01	19.01	19.12	19.05	20.5	2	
10	16QAM	50	0	18.74	18.89	19.03	19.15	19.08			
10	64QAM	1	0	19.00	18.96	19.04	19.12	19.08			
10	64QAM	1	25	18.97	19.05	19.23	19.40	19.17			
10	64QAM	1	49	18.84	18.91	19.07	19.07	19.08	20.5	2	
10	64QAM	25	0	17.94	18.16	18.21	18.31	18.30			
10	64QAM	25	12	18.05	18.15	18.13	18.19	18.21			
10	64QAM	25	25	18.06	17.99	18.11	18.30	18.21			
10	64QAM	50	0	18.08	18.05	18.05	18.27	18.12	19.5	3	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	20.59	20.68	20.62	20.83	20.78	22.5	0	
5	QPSK	1	12	20.64	20.79	20.88	21.01	20.78			
5	QPSK	1	24	20.59	20.53	20.66	20.79	20.81			
5	QPSK	12	0	19.70	19.83	19.90	19.94	19.85			
5	QPSK	12	7	19.69	19.94	19.89	20.12	19.90	21.5	1	
5	QPSK	12	13	19.59	19.79	19.95	19.92	19.82			
5	QPSK	25	0	19.68	19.86	19.81	20.02	19.85			
5	16QAM	1	0	19.93	19.85	19.99	20.13	20.09			
5	16QAM	1	12	20.02	19.90	19.97	20.10	19.95	21.5	1	
5	16QAM	1	24	19.89	19.91	20.04	20.06	19.98			
5	16QAM	12	0	19.01	18.81	19.19	19.14	19.04			
5	16QAM	12	7	18.84	18.91	19.18	19.15	19.20			
5	16QAM	12	13	18.95	18.85	18.99	19.04	19.10	20.5	2	
5	16QAM	25	0	18.83	18.93	18.91	19.06	18.97			
5	64QAM	1	0	19.01	19.02	19.02	19.22	18.99			
5	64QAM	1	12	18.99	18.93	19.13	19.31	19.24			
5	64QAM	1	24	18.88	18.95	19.05	19.09	19.13	20.5	2	
5	64QAM	12	0	17.96	18.08	18.09	18.18	18.25			
5	64QAM	12	7	18.03	18.12	18.07	18.14	18.11			
5	64QAM	12	13	18.04	18.06	18.14	18.31	18.07			
5	64QAM	25	0	17.90	17.97	18.16	18.11	18.09	19.5	3	

Band 41 (HPUE)_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.70	23.78	23.82	23.84	23.81	25.5	0	
20	QPSK	1	49	24.03	23.79	24.01	24.07	23.94			
20	QPSK	1	99	23.71	23.69	23.76	24.00	23.77			
20	QPSK	50	0	22.61	22.83	22.96	22.96	22.91			
20	QPSK	50	24	22.80	22.86	23.00	23.07	22.97	24.5	1	
20	QPSK	50	50	22.79	22.73	22.92	23.06	22.92			
20	QPSK	100	0	22.72	22.80	22.84	23.00	22.94	24.5	1	
20	16QAM	1	0	22.94	22.96	22.96	23.07	23.04			
20	16QAM	1	49	23.03	23.01	23.04	23.30	23.16			
20	16QAM	1	99	22.76	22.82	23.04	23.39	23.04			
20	16QAM	50	0	21.81	21.75	21.75	22.07	21.94	23.5	2	
20	16QAM	50	24	21.87	21.81	22.08	22.03	22.03			
20	16QAM	50	50	21.63	21.84	21.99	22.14	21.93	23.5	2	
20	16QAM	100	0	21.80	21.86	21.90	22.10	21.92			
20	64QAM	1	0	21.80	21.93	21.97	22.10	21.98			
20	64QAM	1	49	21.93	21.96	22.04	22.19	22.15			
20	64QAM	1	99	21.74	21.84	21.95	22.01	22.02	23.5	2	
20	64QAM	50	0	20.68	20.70	20.88	21.02	20.97			
20	64QAM	50	24	20.67	20.90	20.93	21.06	20.99			
20	64QAM	50	50	20.70	20.80	20.89	21.11	21.01			
20	64QAM	100	0	20.62	20.86	20.86	21.05	20.83	22.5	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.52	23.63	23.70	23.82	23.60	25.5	0	
15	QPSK	1	37	23.51	23.56	23.67	23.90	23.77			
15	QPSK	1	74	23.66	23.51	23.71	23.79	23.77			
15	QPSK	36	0	22.57	22.67	22.69	22.90	22.74			
15	QPSK	36	20	22.73	22.78	22.85	22.95	22.83	24.5	1	
15	QPSK	36	39	22.70	22.69	22.91	22.98	22.77			
15	QPSK	75	0	22.50	22.81	22.76	22.81	22.86			
15	16QAM	1	0	22.80	22.82	22.97	23.11	22.94			
15	16QAM	1	37	22.73	22.97	22.91	23.04	22.89	24.5	1	
15	16QAM	1	74	22.62	22.83	22.87	23.02	22.88			
15	16QAM	36	0	21.80	21.78	22.00	22.01	21.97			
15	16QAM	36	20	21.67	21.72	21.85	21.96	21.93			
15	16QAM	36	39	21.57	21.67	21.76	21.83	21.88	23.5	2	
15	16QAM	75	0	21.54	21.64	21.79	21.83	21.88			
15	64QAM	1	0	21.68	21.80	21.89	21.88	21.99			
15	64QAM	1	37	21.82	21.74	21.96	21.99	21.92			
15	64QAM	1	74	21.63	21.57	21.78	22.00	21.87	23.5	2	
15	64QAM	36	0	20.50	20.63	20.84	20.86	20.77			
15	64QAM	36	20	20.57	20.63	20.76	20.92	20.70			
15	64QAM	36	39	20.55	20.65	20.92	20.98	20.80			
15	64QAM	75	0	20.68	20.75	20.66	20.78	20.69	22.5	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2637.8	2682.5			
10	QPSK	1	0	23.66	23.57	23.89	23.78	23.79	25.5	0	
10	QPSK	1	25	23.60	23.64	23.80	23.96	23.95			
10	QPSK	1	49	23.59	23.62	23.74	23.78	23.81			
10	QPSK	25	0	22.67	22.76	22.72	22.99	22.88			
10	QPSK	25	12	22.78	22.84	22.99	22.98	22.83	24.5	1	
10	QPSK	25	25	22.74	22.79	22.82	22.94	22.83			
10	QPSK	50	0	22.60	22.83	22.87	22.95	22.99			
10	16QAM	1	0	22.96	22.90	22.98	22.97	22.99			
10	16QAM	1	25	22.86	22.99	23.02	23.15	23.05	24.5	1	
10	16QAM	1	49	22.71	22.77	22.99	23.14	22.85			
10	16QAM	25	0	21.79	21.81	21.92	22.05	22.05			
10	16QAM	25	12	21.58	21.68	21.85	21.90	21.89			
10	16QAM	25	25	21.58	21.72	21.96	22.02	21.84	23.5	2	
10	16QAM	50	0	21.62	21.76	21.74	21.81	21.85			
10	64QAM	1	0	21.82	21.70	21.95	22.02	22.00			
10	64QAM	1	25	21.93	21.77	21.98	22.20	22.04			
10	64QAM	1	49	21.77	21.77	21.75	22.08	21.90	23.5	2	
10	64QAM	25	0	20.58	20.79	20.72	21.00	20.82			
10	64QAM	25	12	20.63	20.72	20.83	20.92	20.82			
10	64QAM	25	25	20.64	20.69	20.87	21.04	20.85			
10	64QAM	50	0	20.66	20.68	20.71	20.86	20.75	22.5	3	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.57	23.63	23.85	23.83	23.69	25.5	0	
5	QPSK	1	12	23.72	23.66	23.86	23.94	23.89			
5	QPSK	1	24	23.47	23.65	23.65	23.99	23.80			
5	QPSK	12	0	22.55	22.82	22.81	22.97	22.80			
5	QPSK	12	7	22.65	22.75	22.97	23.00	22.95	24.5	1	
5	QPSK	12	13	22.62	22.61	22.84	23.04	22.85			
5	QPSK	25	0	22.72	22.82	22.84	22.84	22.93			
5	16QAM	1	0	22.89	22.98	22.97	23.10	22.97			
5	16QAM	1	12	22.93	22.96	23.12	23.17	22.90	24.5	1	
5	16QAM	1	24	22.82	22.89	22.95	23.06	22.92			
5	16QAM	12	0	21.78	21.79	21.81	21.99	21.97			
5	16QAM	12	7	21.74	21.73	21.92	21.99	21.94			
5	16QAM	12	13	21.63	21.65	21.93	21.96	21.91	23.5	2	
5	16QAM	25	0	21.58	21.72	21.90	22.00	21.86			
5	64QAM	1	0	21.64	21.89	21.82	21.88	22.08			
5	64QAM	1	12	21.86	21.72	22.06	21.96	22.07			
5	64QAM	1	24	21.68	21.67	21.95	22.01	21.84	23.5	2	
5	64QAM	12	0	20.65	20.77	20.90	20.79	21.00			
5	64QAM	12	7	20.73	20.86	20.93	20.88	20.99			
5	64QAM	12	13	20.59	20.63	20.89	21.04	20.83			
5	64QAM	25	0	20.64	20.64	20.75	20.90	20.70	22.5	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			

Band 41_Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)				
Channel				39750	40185	40620	41055	41490						
Frequency (MHz)				2506	2549.5	2593	2636.5	2680						
20	QPSK	1	0	22.13	22.16	22.29	22.33	22.26	24	0				
20	QPSK	1	49	22.16	22.23	22.37	22.51	22.36						
20	QPSK	1	99	22.10	22.13	22.31	22.33	22.27						
20	QPSK	50	0	21.25	21.40	21.43	21.59	21.48						
20	QPSK	50	24	21.31	21.42	21.51	21.60	21.50	23	1				
20	QPSK	50	50	21.27	21.33	21.44	21.55	21.48						
20	QPSK	100	0	21.33	21.40	21.44	21.53	21.50						
20	16QAM	1	0	21.50	21.50	21.56	21.66	21.59						
20	16QAM	1	49	21.50	21.54	21.62	21.74	21.62	23	1				
20	16QAM	1	99	21.39	21.46	21.57	21.69	21.50						
20	16QAM	50	0	20.47	20.49	20.64	20.65	20.66						
20	16QAM	50	24	20.44	20.53	20.65	20.72	20.67						
20	16QAM	50	50	20.38	20.53	20.62	20.69	20.63	22	2				
20	16QAM	100	0	20.41	20.48	20.54	20.68	20.61						
20	64QAM	1	0	20.47	20.56	20.64	20.72	20.64						
20	64QAM	1	49	20.61	20.60	20.71	20.82	20.76						
20	64QAM	1	99	20.40	20.47	20.62	20.69	20.62	22	2				
20	64QAM	50	0	19.53	19.60	19.70	19.78	19.76						
20	64QAM	50	24	19.51	19.66	19.66	19.80	19.70						
20	64QAM	50	50	19.51	19.60	19.75	19.78	19.69						
20	64QAM	100	0	19.52	19.60	19.67	19.76	19.63	21	3				
Channel				39725	40173	40620	41068	41515			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	22.05	22.10	22.21	22.24	22.20	24	0				
15	QPSK	1	37	22.08	22.19	22.33	22.47	22.26						
15	QPSK	1	74	22.05	22.08	22.24	22.27	22.22						
15	QPSK	36	0	21.17	21.31	21.40	21.52	21.41						
15	QPSK	36	20	21.25	21.37	21.44	21.54	21.43	23	1				
15	QPSK	36	39	21.21	21.24	21.41	21.45	21.42						
15	QPSK	75	0	21.28	21.32	21.36	21.50	21.45						
15	16QAM	1	0	21.46	21.41	21.53	21.58	21.54						
15	16QAM	1	37	21.40	21.47	21.56	21.71	21.54	23	1				
15	16QAM	1	74	21.36	21.43	21.49	21.59	21.41						
15	16QAM	36	0	20.45	20.46	20.60	20.61	20.61						
15	16QAM	36	20	20.41	20.51	20.56	20.66	20.59						
15	16QAM	36	39	20.31	20.49	20.57	20.65	20.61	22	2				
15	16QAM	75	0	20.37	20.42	20.46	20.63	20.55						
15	64QAM	1	0	20.44	20.47	20.56	20.69	20.62						
15	64QAM	1	37	20.55	20.58	20.69	20.76	20.71						
15	64QAM	1	74	20.32	20.45	20.57	20.60	20.57	22	2				
15	64QAM	36	0	19.45	19.55	19.63	19.73	19.73						
15	64QAM	36	20	19.42	19.57	19.58	19.76	19.62						
15	64QAM	36	39	19.42	19.55	19.68	19.73	19.61						
15	64QAM	75	0	19.47	19.57	19.65	19.68	19.54	21	3				
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685						
10	QPSK	1	0	22.03	22.13	22.21	22.28	22.18	24	0				
10	QPSK	1	25	22.07	22.19	22.28	22.41	22.30						
10	QPSK	1	49	22.06	22.03	22.27	22.26	22.23						
10	QPSK	25	0	21.18	21.34	21.35	21.50	21.45						
10	QPSK	25	12	21.25	21.36	21.48	21.51	21.46	23	1				
10	QPSK	25	25	21.25	21.26	21.40	21.45	21.45						
10	QPSK	50	0	21.30	21.37	21.41	21.44	21.41						
10	16QAM	1	0	21.43	21.41	21.53	21.63	21.55						
10	16QAM	1	25	21.47	21.46	21.54	21.69	21.52	23	1				
10	16QAM	1	49	21.32	21.41	21.52	21.62	21.45						
10	16QAM	25	0	20.45	20.47	20.61	20.65	20.60						
10	16QAM	25	12	20.36	20.49	20.61	20.66	20.62						
10	16QAM	25	25	20.29	20.45	20.57	20.63	20.58	22	2				
10	16QAM	50	0	20.33	20.43	20.50	20.60	20.55						
10	64QAM	1	0	20.42	20.48	20.58	20.63	20.57						
10	64QAM	1	25	20.54	20.55	20.67	20.80	20.67						
10	64QAM	1	49	20.36	20.38	20.53	20.63	20.54	22	2				
10	64QAM	25	0	19.48	19.57	19.62	19.74	19.74						
10	64QAM	25	12	19.46	19.57	19.60	19.74	19.68						
10	64QAM	25	25	19.48	19.55	19.70	19.71	19.67						
10	64QAM	50	0	19.48	19.55	19.63	19.74	19.61	21	3				
Channel				39675	40148	40620	41093	41565			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5						
5	QPSK	1	0	22.09	22.13	22.20	22.29	22.21	24	0				
5	QPSK	1	12	22.10	22.20	22.30	22.48	22.31						
5	QPSK	1	24	22.00	22.09	22.24	22.30	22.22						
5	QPSK	12	0	21.22	21.33	21.38	21.51	21.39						
5	QPSK	12	7	21.29	21.36	21.43	21.53	21.41	23	1				
5	QPSK	12	13	21.19	21.30	21.37	21.52	21.42						
5	QPSK	25	0	21.28	21.34	21.41	21.48	21.45						
5	16QAM	1	0	21.42	21.42	21.53	21.56	21.55						
5	16QAM	1	12	21.47	21.49	21.55	21.68	21.52	23	1				
5	16QAM	1	24	21.31	21.41	21.47	21.62	21.42						
5	16QAM	12	0	20.45	20.40	20.61	20.66	20.58						
5	16QAM	12	7	20.37	20.45	20.61	20.69	20.62						
5	16QAM	12	13	20.35	20.44	20.54	20.63	20.54	22	2				
5	16QAM	25	0	20.32	20.46	20.51	20.64	20.55						
5	64QAM	1	0	20.45	20.53	20.58	20.65	20.57						
5	64QAM	1	12	20.58	20.51	20.65	20.73	20.68						
5	64QAM	1	24	20.35	20.40	20.60	20.65	20.56	22	2				
5	64QAM	12	0	19.44	19.57	19.62	19.71	19.72						
5	64QAM	12	7	19.43	19.63	19.63	19.73	19.64						
5	64QAM	12	13	19.46	19.51	19.67	19.72	19.61						
5	64QAM	25	0	19.50	19.56	19.65	19.68	19.59	21	3				
Channel				39700	40173	40620	41068	41515			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2640.30	2687.5						



n5_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.74	22.86	22.75		
20	PI2 BPSK	1	53	22.64	22.66	22.62	24.0	0.0
20	PI2 BPSK	1	104	22.60	22.71	22.56		
20	PI2 BPSK	50	0	22.70	22.81	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.58	22.72	22.70	24.0	0.0
20	PI2 BPSK	50	56	22.85	22.93	22.82		
20	PI2 BPSK	100	0	22.80	22.89	22.88	23.5	0.5
20	QPSK	1	1	22.89	22.95	22.83		
20	QPSK	1	53	22.91	23.00	22.97	24.0	0.0
20	QPSK	1	104	22.58	22.75	22.62		
20	QPSK	50	0	22.90	22.91	22.87	23.0	1.0
20	QPSK	50	28	22.91	22.93	22.89	24.0	0.0
20	QPSK	50	56	22.82	22.89	22.82	23.0	1.0
20	QPSK	100	0	22.85	22.88	22.78		
20	16QAM	1	1	22.72	22.75	22.61	23.0	1.0
20	64QAM	1	1	20.24	20.31	20.27	21.5	2.5
20	256QAM	1	1	18.61	18.75	18.60	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.82	22.87	22.87	24.0	0.0
Channel				165300	167300	168500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.88	22.93	22.92	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.84	22.89	22.83	24.0	0.0

Full & Default Power Mode

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167900		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.56	22.71	22.65		
20	PI2 BPSK	1	53	22.46	22.53	22.45	24.0	0.0
20	PI2 BPSK	1	104	22.52	22.63	22.56		
20	PI2 BPSK	50	0	22.71	22.72	22.63	23.5	0.5
20	PI2 BPSK	50	28	22.52	22.65	22.58	24.0	0.0
20	PI2 BPSK	50	56	22.61	22.72	22.57		
20	PI2 BPSK	100	0	22.80	22.68	22.54	23.5	0.5
20	QPSK	1	1	22.56	22.65	22.53		
20	QPSK	1	53	22.70	22.75	22.64	24.0	0.0
20	QPSK	1	104	22.50	22.52	22.41		
20	QPSK	50	0	22.68	22.73	22.58	23.0	1.0
20	QPSK	50	28	22.68	22.74	22.60	24.0	0.0
20	QPSK	50	56	22.56	22.69	22.59	23.0	1.0
20	QPSK	100	0	22.52	22.64	22.56		
20	16QAM	1	1	22.30	22.42	22.39	23.0	1.0
20	64QAM	1	1	19.74	19.85	19.72	21.5	2.5
20	256QAM	1	1	18.35	18.46	18.35	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.61	22.73	22.60	24.0	0.0
Channel				165800	167300	168500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.61	22.69	22.63	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.63	22.70	22.61	24.0	0.0

n71_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	136700		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.60	22.75	22.60		
20	PI2 BPSK	1	53	22.53	22.61	22.50	24.0	0.0
20	PI2 BPSK	1	104	22.59	22.62	22.48		
20	PI2 BPSK	50	0	22.78	22.80	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.73	22.74	22.73	24.0	0.0
20	PI2 BPSK	50	56	22.58	22.73	22.72		
20	PI2 BPSK	100	0	22.83	22.71	22.60	23.5	0.5
20	QPSK	1	1	22.77	22.85	22.78		
20	QPSK	1	53	22.61	22.99	22.80	24.0	0.0
20	QPSK	1	104	22.84	22.89	22.59		
20	QPSK	50	0	22.71	22.83	22.79	23.0	1.0
20	QPSK	50	28	22.70	22.84	22.80	24.0	0.0
20	QPSK	50	56	22.76	22.83	22.68	23.0	1.0
20	QPSK	100	0	22.80	22.81	22.72		
20	16QAM	1	1	22.38	22.45	22.34	23.0	1.0
20	64QAM	1	1	19.90	20.00	19.90	21.5	2.5
20	256QAM	1	1	18.40	18.45	18.44	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.84	22.78	22.66	24.0	0.0
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.71	22.85	22.78	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.74	22.82	22.71	24.0	0.0

Part270_n77_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	18.44	18.40	18.33			
100	Pl2 BPSK	1	137	18.40	18.44	18.52	19.5	0.0	
100	Pl2 BPSK	1	271	18.28	18.37	18.30			
100	Pl2 BPSK	135	0	18.45	18.42	18.51	19.5	0.0	
100	Pl2 BPSK	135	69	18.31	18.39	18.35	19.5	0.0	
100	Pl2 BPSK	135	138	18.39	18.58	18.54	19.5	0.0	
100	Pl2 BPSK	270	0	18.36	18.45	18.39			
100	QPSK	1	1	17.23	17.30	17.17			
100	QPSK	1	137	18.43	18.59	18.47	19.5	0.0	
100	QPSK	1	271	18.32	18.46	18.40			
100	QPSK	135	0	18.45	18.46	18.34			
100	QPSK	135	69	18.31	18.52	18.45	19.5	0.0	
100	QPSK	135	138	18.46	18.50	18.45			
100	QPSK	270	0	18.41	18.45	18.44	19.5	0.0	
100	16QAM	1	1	18.30	18.45	18.29	19.5	0.0	
100	64QAM	1	1	17.21	17.41	17.28	19.5	0.0	
100	256QAM	1	1	15.88	15.85	15.72	18.0	1.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.02	18.00	18.03	18.0	1.5	
80	QPSK	1	1	17.52	17.50	17.54	18.0	1.5	
80	QPSK	1	1	18.28	18.29	18.50	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.32	18.38	18.36	19.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.30	18.43	18.17	19.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.43	18.47	18.27	19.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.28	18.52	18.33	19.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.28	18.36	18.38	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.33	18.40	18.29	19.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.24	18.51	18.28	19.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.33	18.40	18.28	19.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.27	18.42	18.31	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.31	18.44	18.28	19.5	0.0	

Part270_n77_Ant 3_HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	20.27	20.36	20.31			
100	Pl2 BPSK	1	137	21.42	21.50	21.35	22.5	0.0	
100	Pl2 BPSK	1	271	20.73	20.85	20.70			
100	Pl2 BPSK	135	0	20.58	20.66	20.57	22.0	0.5	
100	Pl2 BPSK	135	69	21.41	21.46	21.33	22.5	0.0	
100	Pl2 BPSK	135	138	20.78	20.90	20.84	22.0	0.5	
100	Pl2 BPSK	270	0	20.64	20.70	20.59			
100	QPSK	1	1	20.27	20.32	20.19			
100	QPSK	1	137	21.43	21.55	21.48	22.5	0.0	
100	QPSK	1	271	20.72	20.77	20.66			
100	QPSK	135	0	19.81	19.96	19.83			
100	QPSK	135	69	21.21	21.31	21.16	22.5	0.0	
100	QPSK	135	138	20.17	20.24	20.11			
100	QPSK	270	0	19.99	20.04	19.95	21.5	1.0	
100	16QAM	1	1	18.80	18.92	18.79	21.5	1.0	
100	64QAM	1	1	17.26	17.33	17.24	20.0	2.5	
100	256QAM	1	1	15.81	15.91	15.78	18.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.27	21.40	21.20	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.41	21.39	21.31	22.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.40	21.49	21.22	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.39	21.46	21.22	22.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.35	21.48	21.29	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.35	21.35	21.33	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.33	21.36	21.28	22.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.40	21.41	21.24	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.29	21.48	21.21	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.32	21.41	21.21	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.29	21.39	21.24	22.5	0.0	

Part27Q_n77_Ant_7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1			23.04			
100	Pl2 BPSK	1	137			23.03	24.0	0.0	
100	Pl2 BPSK	1	271			22.91			
100	Pl2 BPSK	135	0			22.93	24.0	0.0	
100	Pl2 BPSK	135	69			22.99			
100	Pl2 BPSK	135	138			23.02	24.0	0.0	
100	Pl2 BPSK	270	0			23.04			
100	QPSK	1	1			22.07			
100	QPSK	1	137			23.08	24.0	0.0	
100	QPSK	1	271			23.02			
100	QPSK	135	0			23.00			
100	QPSK	135	69			23.05	24.0	0.0	
100	QPSK	135	138			23.04			
100	QPSK	270	0			23.03	24.0	0.0	
100	16QAM	1	1			23.02	24.0	0.0	
100	64QAM	1	1			22.01	24.0	0.0	
100	256QAM	1	1			20.54	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.71	22.89	22.56	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.75	22.75	22.68	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.87	22.83	22.81	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.53	22.75	22.71			
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.27	22.76	22.68	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.02	22.87	22.66	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.77	22.64	22.68	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.68	22.52	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.68	22.79	22.74			
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.55	22.77	22.66	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.59	22.76	22.61	24.0	0.0	

Part27Q_n77_Ant_7_HPUE								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Freq. (dBm)	Power Middle Ch Freq. (dBm)	Power High Freq. (dBm)	Time-up limit (dtbm)	MPR (dB)
Channel								
		Frequency (MHz)			3469.98			
100	PI2 BPSK	1	1	24.65			27.0	0.0
100	PI2 BPSK	1	1	25.18				
100	PI2 BPSK	1	127	25.34				
100	PI2 BPSK	135	0	24.97		26.5	0.0	
100	PI2 BPSK	135	69	25.72		27.0	0.0	
100	PI2 BPSK	135	138	25.85		26.5	0.5	
100	PI2 BPSK	270	0	25.00				
100	QPSK	1	1	24.78				
100	QPSK	1	137	26.03			27.0	0.0
100	QPSK	1	271	25.81				
100	QPSK	135	0	24.24				
100	QPSK	135	69	25.68		27.0	0.0	
100	QPSK	135	138	24.54				
100	QPSK	270	0	24.26			26.0	1.0
100	16QAM	1	1	23.32			26.0	1.0
100	64QAM	1	1	21.85			24.5	2.5
100	256QAM	1	1	20.52			22.5	4.5
Channel								
		Frequency (MHz)		633000	633332	633666	Time-up limit (dtbm)	MPR (dB)
				3465	3469.98	3504.99		
90	QPSK	1	25.67	25.81	25.86	27.0	0.0	
Channel								
		Frequency (MHz)		636968	633332	634000	Time-up limit (dtbm)	MPR (dB)
				3460.02	3469.98	3510		
80	QPSK	1	25.74	25.74	25.74	27.0	0.0	
Channel								
		Frequency (MHz)		632334	633332	634332	Time-up limit (dtbm)	MPR (dB)
				3465.01	3469.98	3514.98		
70	QPSK	1	25.56	25.62	25.77	27.0	0.0	
Channel								
		Frequency (MHz)		632000	633332	634000	Time-up limit (dtbm)	MPR (dB)
				3460	3469.98	3519.99		
60	QPSK	1	25.59	25.77	25.73	27.0	0.0	
Channel								
		Frequency (MHz)		631668	633332	635000	Time-up limit (dtbm)	MPR (dB)
				3474.02	3469.98	3529		
50	QPSK	1	25.61	25.70	25.70	27.0	0.0	
Channel								
		Frequency (MHz)		631334	633332	635332	Time-up limit (dtbm)	MPR (dB)
				3474.01	3469.98	3529.98		
40	QPSK	1	25.59	25.79	25.74	27.0	0.0	
Channel								
		Frequency (MHz)		631000	633332	635556	Time-up limit (dtbm)	MPR (dB)
				3465	3469.98	3534.99		
30	QPSK	1	25.67	25.73	25.76	27.0	0.0	
Channel								
		Frequency (MHz)		630304	633332	635882	Time-up limit (dtbm)	MPR (dB)
				3462.61	3469.98	3537.48		
25	QPSK	1	25.62	25.70	25.70	27.0	0.0	
Channel								
		Frequency (MHz)		630668	633332	636000	Time-up limit (dtbm)	MPR (dB)
				3460.02	3469.98	3540		
20	QPSK	1	25.60	25.71	25.75	27.0	0.0	
Channel								
		Frequency (MHz)		632502	633332	636166	Time-up limit (dtbm)	MPR (dB)
				3457.5	3469.98	3542.49		
15	QPSK	1	25.65	25.71	25.70	27.0	0.0	
Channel								
		Frequency (MHz)		630304	633332	636332	Time-up limit (dtbm)	MPR (dB)
				3458.61	3469.98	3544.86		
10	QPSK	1	25.65	25.74	25.69	27.0	0.0	

Part20_n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (60000)	Power Middle Ch. Freq. (66000)	Power High Ch. Freq. (70000)	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	BPSK	1	1	23.52	23.54	23.51			
100	P2-BPSK	1	127	23.45	23.45	23.37	24.0	0.0	
100	P2-BPSK	1	131	23.60	23.55	23.40			
100	P2-BPSK	135	0	23.50	23.54	23.57	24.0	0.0	
100	P2-BPSK	135	69	23.53	23.51	23.38	24.0	0.0	
100	P2-BPSK	135	158	23.48	23.48	23.45			
100	P2-BPSK	270	0	23.56	23.50	23.53	24.0	0.0	
100	QPSK	1	1	22.78	22.70	22.78			
100	QPSK	1	137	23.68	23.62	23.55	24.0	0.0	
100	QPSK	1	271	23.48	23.49	23.49			
100	QPSK	135	0	23.44	23.45	23.50			
100	QPSK	135	69	23.57	23.60	23.55	24.0	0.0	
100	QPSK	135	138	23.47	23.44	23.50			
100	QPSK	270	0	23.47	23.54	23.46	24.0	0.0	
100	16QAM	1	1	22.51	22.51	22.48	24.0	0.0	
100	64QAM	1	1	22.51	22.63	22.85	24.0	0.0	
100	256QAM	1	1	21.25	21.30	21.30	22.5	1.6	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.39	23.38	23.36	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	37.40	37.40	36.99	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	46.900	46.900	46.900	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.35	23.47	23.29	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	37.50	37.50	36.99	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.21	23.40	23.15	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	37.50	37.50	36.99	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.38	23.37	23.33	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.46	23.48	23.36	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.32	23.35	23.24	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.17	23.35	23.24	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.16	23.34	23.33	24.0	0.0	

Part270_n77_Ant 7_HPUE								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
	Frequency (MHz)			660000	666000	662000		
100	Pz BPSK	1	1	25.81	25.81	25.72		
100	Pz BPSK	1	137	25.39	25.39	25.43	27.0	0.0
100	Pz BPSK	1	271	25.98	25.84	25.84		
100	Pz BPSK	135	0	25.87	25.89	25.98	26.5	0.5
100	Pz BPSK	135	69	26.48	26.50	26.47	27.0	0.0
100	Pz BPSK	135	135	25.16	25.16	26.09	26.09	
100	Pz BPSK	270	0	25.88	25.95	25.78	26.5	0.5
100	QPSK	1	1	25.80	25.71	25.68		
100	QPSK	1	137	25.57	25.58	25.60	27.0	0.0
100	QPSK	1	271	25.54	25.49	25.69		
100	QPSK	135	0	25.13	25.22	25.17		
100	QPSK	135	69	25.35	25.45	25.40	27.0	0.0
100	QPSK	135	135	25.36	25.31	25.40		
100	QPSK	270	0	25.07	25.15	25.09	26.0	1.0
100	16QAM	1	1	24.37	24.34	24.34	26.0	1.5
100	64QAM	1	1	22.58	22.66	22.63	24.5	2.5
100	256QAM	1	1	21.20	21.24	21.20	22.5	4.5
Channel								
	Frequency (MHz)			661200	656000	662332	Turn-up time (dBm)	MPR (dB)
80	QPSK	1	1	34.65	34.64	34.64		
80	QPSK	1	1	26.33	26.32	26.24	27.0	0.0
Channel								
	Frequency (MHz)			664934	666000	662666	Turn-up time (dBm)	MPR (dB)
80	QPSK	1	1	37.40	37.40	36.99		
80	QPSK	1	1	26.32	26.30	26.23	27.0	0.0
Channel								
	Frequency (MHz)			666000	666000	663000	Turn-up time (dBm)	MPR (dB)
70	QPSK	1	1	37.35	38.64	39.45		
70	QPSK	1	1	26.25	26.38	26.23	27.0	0.0
Channel								
	Frequency (MHz)			667200	666000	663332	Turn-up time (dBm)	MPR (dB)
70	QPSK	1	1	37.30	38.64	39.49		
70	QPSK	1	1	26.24	26.41	26.20	27.0	0.0
Channel								
	Frequency (MHz)			664334	666000	666066	Turn-up time (dBm)	MPR (dB)
90	QPSK	1	1	37.23	37.23	36.94		
90	QPSK	1	1	26.33	26.33	26.29	27.0	0.0
Channel								
	Frequency (MHz)			666000	666000	664000	Turn-up time (dBm)	MPR (dB)
40	QPSK	1	1	26.38	26.35	26.26	27.0	0.0
Channel								
	Frequency (MHz)			667200	666000	663948	Turn-up time (dBm)	MPR (dB)
35	QPSK	1	1	26.37	26.38	26.26	27.0	0.0
Channel								
	Frequency (MHz)			667320	666000	664500	Turn-up time (dBm)	MPR (dB)
25	QPSK	1	1	36.94	36.94	36.94		
25	QPSK	1	1	26.27	26.29	26.28	27.0	0.0
Channel								
	Frequency (MHz)			667334	666000	664666	Turn-up time (dBm)	MPR (dB)
20	QPSK	1	1	37.10	37.10	36.99		
20	QPSK	1	1	26.38	26.37	26.20	27.0	0.0
Channel								
	Frequency (MHz)			667332	666000	664512	Turn-up time (dBm)	MPR (dB)
15	QPSK	1	1	37.07	38.64	39.7248		
15	QPSK	1	1	26.27	26.36	26.28	27.0	0.0
Channel								
	Frequency (MHz)			667600	666000	666000	Turn-up time (dBm)	MPR (dB)
10	QPSK	1	1	38.64	38.64	38.64		
10	QPSK	1	1	26.27	26.41	26.30	27.0	0.0

Part27Q_n78_Ant_3_HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up limit (dtb)	MPR (db)	
Channel									
Frequency (MHz)					3469.98				
100	PI2 BPSK	1	1	20.43					
100	PI2 BPSK	1	1	21.13			22.5	0.0	
100	PI2 BPSK	1	127	20.35					
100	PI2 BPSK	135	0	20.62			22.0	0.0	
100	PI2 BPSK	135	69	21.20			22.5	0.0	
100	PI2 BPSK	135	138	20.62					
100	PI2 BPSK	270	0	20.50			22.0	0.5	
100	QPSK	1	1	20.43					
100	QPSK	1	137	21.24			22.5	0.0	
100	QPSK	1	271	20.34					
100	QPSK	135	0	20.04					
100	QPSK	135	69	21.17			22.5	0.0	
100	QPSK	135	138	19.91					
100	QPSK	270	0	20.07			21.5	1.0	
100	16QAM	1	1	19.92			21.5	1.0	
100	64QAM	1	1	17.70			20.0	2.5	
100	256QAM	1	1	16.21			18.0	4.5	
Channel									
Frequency (MHz)					633302	633332	633696	Time-up limit (dtb)	MPR (db)
90	QPSK	1	1	20.93	21.07	21.09	22.5	0.0	
Channel									
Frequency (MHz)					3469.02	3469.32	346400	Time-up limit (dtb)	MPR (db)
80	QPSK	1	1	20.46	21.02	20.68	22.5	0.0	
Channel									
Frequency (MHz)					633234	633332	634312	Time-up limit (dtb)	MPR (db)
70	QPSK	1	1	3485.01	3469.98	3514.98	22.5	0.0	
70	QPSK	1	1	21.02	21.02	21.07	22.5	0.0	
Channel									
Frequency (MHz)					633702	633732	634096	Time-up limit (dtb)	MPR (db)
60	QPSK	1	1	3465	3469.98	3519.98	22.5	0.0	
60	QPSK	1	1	20.99	21.08	21.00	22.5	0.0	
Channel									
Frequency (MHz)					631698	633332	636500	Time-up limit (dtb)	MPR (db)
50	QPSK	1	1	3472.02	3469.98	3526	22.5	0.0	
50	QPSK	1	1	21.91	21.00	20.96	22.5	0.0	
Channel									
Frequency (MHz)					631334	633332	635332	Time-up limit (dtb)	MPR (db)
40	QPSK	1	1	3470.01	3469.98	3526.98	22.5	0.0	
40	QPSK	1	1	21.00	20.99	21.00	22.5	0.0	
Channel									
Frequency (MHz)					633700	633732	635596	Time-up limit (dtb)	MPR (db)
30	QPSK	1	1	3465	3469.98	3534.99	22.5	0.0	
30	QPSK	1	1	20.90	21.00	20.99	22.5	0.0	
Channel									
Frequency (MHz)					630304	633332	635892	Time-up limit (dtb)	MPR (db)
25	QPSK	1	1	3482.01	3469.98	3537.04	22.5	0.0	
25	QPSK	1	1	20.90	20.99	21.00	22.5	0.0	
Channel									
Frequency (MHz)					630698	633332	636000	Time-up limit (dtb)	MPR (db)
20	QPSK	1	1	3460.02	3469.98	3540	22.5	0.0	
20	QPSK	1	1	21.00	21.04	21.04	22.5	0.0	
Channel									
Frequency (MHz)					632702	633332	635896	Time-up limit (dtb)	MPR (db)
15	QPSK	1	1	3457.5	3469.98	3542.49	22.5	0.0	
15	QPSK	1	1	21.02	20.98	20.97	22.5	0.0	
Channel									
Frequency (MHz)					630334	633332	636332	Time-up limit (dtb)	MPR (db)
10	QPSK	1	1	3458.01	3469.98	3544.98	22.5	0.0	
10	QPSK	1	1	21.02	20.94	20.99	22.5	0.0	

Part20_n78_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	PQ2 BPSK	1	1	18.35	18.35		19.5	0.0
100	PQ2 BPSK	1	1	18.35	18.35			
100	PQ2 BPSK	1	271	18.49	18.49		19.5	0.0
100	PQ2 BPSK	135	0	18.40	18.40		19.5	0.0
100	PQ2 BPSK	135	69	18.47	18.47		19.5	0.0
100	PQ2 BPSK	135	134	18.44	18.44		19.5	0.0
100	PQ2 BPSK	270	0	18.41	18.41		19.5	0.0
100	QPSK	1	1	17.56				
100	QPSK	1	137	18.55			19.5	0.0
100	QPSK	1	271	18.55				
100	QPSK	135	0	18.30				
100	QPSK	135	69	18.50			19.5	0.0
100	QPSK	135	138	18.35				
100	QPSK	270	0	18.35			19.5	0.0
100	16QAM	1	1	18.32			19.5	0.0
100	64QAM	1	1	17.27			19.5	0.0
100	256QAM	1	1	15.88			18.0	1.6
Channel								
Frequency (MHz)				600668	650000	650332	Time-up limit	MPR
				3750	3750	3750	(dBm)	(dB)
90	QPSK	1	1	18.17	18.33	18.20	19.5	0.0
Channel								
Frequency (MHz)				646934	650000	650666	Time-up limit	MPR
				3740.01	3750	3769.99	(dBm)	(dB)
80	QPSK	1	1	18.22	18.31	18.39	19.5	0.0
Channel								
Frequency (MHz)				646900	650000	651100	Time-up limit	MPR
				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.31	18.10	18.07	19.5	0.0
Channel								
Frequency (MHz)				646968	650000	651392	Time-up limit	MPR
				3750.92	3750	3769.88	(dBm)	(dB)
60	QPSK	1	1	18.20	18.18	18.11	19.5	0.0
Channel								
Frequency (MHz)				646834	650000	651966	Time-up limit	MPR
				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	18.10	18.20	18.13	19.5	0.0
Channel								
Frequency (MHz)				646800	650000	652000	Time-up limit	MPR
				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.15	18.25	18.14	19.5	0.0
Channel								
Frequency (MHz)				647008	650000	652512	Time-up limit	MPR
				3710.02	3750	3789.88	(dBm)	(dB)
30	QPSK	1	1	18.31	18.38	18.09	19.5	0.0
Channel								
Frequency (MHz)				647500	650000	652800	Time-up limit	MPR
				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	18.20	18.20	18.08	19.5	0.0
Channel								
Frequency (MHz)				647334	650000	652666	Time-up limit	MPR
				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	18.14	18.17	18.14	19.5	0.0
Channel								
Frequency (MHz)				647414	650000	652912	Time-up limit	MPR
				3707.52	3750	3792.48	(dBm)	(dB)
15	QPSK	1	1	18.23	18.33	18.09	19.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Time-up limit	MPR
				3764	3750	3774	(dBm)	(dB)
10	QPSK	1	1	18.28	18.30	18.11	19.5	0.0

Part270_n78_Ant 3 HPUE								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	Pi2 BPSK	1	1	20.50			22.5	0.0
100	Pi2 BPSK	1	137	20.50				
100	Pi2 BPSK	1	271	20.53				
100	Pi2 BPSK	135	0	20.64			22.0	0.5
100	Pi2 BPSK	135	69	21.39			22.5	0.0
100	Pi2 BPSK	135	138	20.62			22.0	0.5
100	Pi2 BPSK	270	0	20.48				
100	QPSK	1	1	20.51				
100	QPSK	1	137	20.47			22.5	0.0
100	QPSK	1	271	21.37				
100	QPSK	135	0	19.89				
100	QPSK	135	69	21.17			22.5	0.0
100	QPSK	135	138	19.93				
100	QPSK	270	0	20.06			21.5	1.0
100	16QAM	1	1	19.89			21.5	1.0
100	64QAM	1	1	17.27			20.0	2.5
100	256QAM	1	1	15.88			18.0	4.5
Channel								
Frequency (MHz)				646966	650000	650332	Tune-up limit (dbm)	MPR (dB)
				3445.02	3750	3754.98		
90	QPSK	1	1	21.16	21.25	21.16	22.5	0.0
Channel								
Frequency (MHz)				648334	650000	650666	Tune-up limit (dbm)	MPR (dB)
				3760.01	3750	3769.99		
80	QPSK	1	1	21.29	21.27	21.15	22.5	0.0
Channel								
Frequency (MHz)				649701	650000	651900	Tune-up limit (dbm)	MPR (dB)
				3735	3750	3765		
70	QPSK	1	1	21.25	21.18	21.13	22.5	0.0
Channel								
Frequency (MHz)				649999	650000	651332	Tune-up limit (dbm)	MPR (dB)
				3730.02	3750	3739.98		
60	QPSK	1	1	21.11	21.28	21.15	22.5	0.0
Channel								
Frequency (MHz)				648334	650000	651666	Tune-up limit (dbm)	MPR (dB)
				3725.01	3750	3724.99		
50	QPSK	1	1	21.25	21.18	21.12	22.5	0.0
Channel								
Frequency (MHz)				648900	650000	652000	Tune-up limit (dbm)	MPR (dB)
				3720	3750	3780		
40	QPSK	1	1	21.20	21.28	21.07	22.5	0.0
Channel								
Frequency (MHz)				647005	650000	652532	Tune-up limit (dbm)	MPR (dB)
				3715.02	3750	3784.98		
35	QPSK	1	1	21.24	21.28	21.17	22.5	0.0
Channel								
Frequency (MHz)				647500	650000	652900	Tune-up limit (dbm)	MPR (dB)
				3712.51	3750	3787.5		
25	QPSK	1	1	21.23	21.20	21.14	22.5	0.0
Channel								
Frequency (MHz)				647334	650000	652666	Tune-up limit (dbm)	MPR (dB)
				3716.01	3750	3789.99		
20	QPSK	1	1	21.16	21.25	21.08	22.5	0.0
Channel								
Frequency (MHz)				647814	650000	652932	Tune-up limit (dbm)	MPR (dB)
				3707.52	3750	3792.48		
15	QPSK	1	1	21.21	21.28	21.18	22.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dbm)	MPR (dB)
				3705	3750	3795		
10	QPSK	1	1	21.24	21.23	21.15	22.5	0.0

Part270_n78_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	18.24					
100	Pl2 BPSK	1	137	18.16			19.5	0.0	
100	Pl2 BPSK	1	271	18.28					
100	Pl2 BPSK	135	0	18.32			19.5	0.0	
100	Pl2 BPSK	135	69	18.33			19.5	0.0	
100	Pl2 BPSK	135	138	18.27			19.5	0.0	
100	Pl2 BPSK	270	0	18.29					
100	QPSK	1	1	17.52					
100	QPSK	1	137	18.37			19.5	0.0	
100	QPSK	1	271	18.18					
100	QPSK	135	0	18.20			19.5	0.0	
100	QPSK	135	69	18.33					
100	QPSK	135	138	18.28					
100	QPSK	270	0	18.32			19.5	0.0	
100	16QAM	1	1	18.25			19.5	0.0	
100	16QAM	1	1	17.22			19.5	0.0	
100	256QAM	1	1	15.71			18.0	1.5	
Channel				649968	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	18.10	18.15	18.08	19.5	0.0	
Channel				648334	650000	650968	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	18.21	18.11	18.03	19.5	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	18.12	18.28	18.12	19.5	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3750	3760.98	(dBm)	(dB)	
60	QPSK	1	1	18.24	18.09	17.98	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	18.01	18.08	17.99	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	18.24	18.04	18.09	19.5	0.0	
Channel				647968	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	18.15	18.13	18.10	19.5	0.0	
Channel				647500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	18.13	18.17	17.96	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	18.17	18.24	18.10	19.5	0.0	
Channel				647168	650000	652832	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	18.05	18.19	18.11	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	18.00	18.15	18.12	19.5	0.0	

Part270_n78_Ant 9_HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	20.23					
100	Pl2 BPSK	1	137	21.25			22.5	0.0	
100	Pl2 BPSK	1	271	20.35					
100	Pl2 BPSK	135	0	20.40			22.0	0.5	
100	Pl2 BPSK	135	69	21.14			22.5	0.0	
100	Pl2 BPSK	135	138	20.45			22.0	0.5	
100	Pl2 BPSK	270	0	19.58					
100	QPSK	1	1	20.34					
100	QPSK	1	137	21.30			22.5	0.0	
100	QPSK	1	271	20.24					
100	QPSK	135	0	19.68			22.5	0.0	
100	QPSK	135	69	21.11					
100	QPSK	135	138	19.74					
100	QPSK	270	0	20.24			21.5	1.0	
100	16QAM	1	1	18.74			21.5	1.0	
100	16QAM	1	1	17.21			20.0	2.5	
100	256QAM	1	1	15.70			18.0	4.5	
Channel				649968	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	21.10	21.15	21.10	22.5	0.0	
Channel				648334	650000	650968	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	21.18	21.19	21.07	22.5	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	21.20	21.21	21.13	22.5	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3750	3760.98	(dBm)	(dB)	
60	QPSK	1	1	21.19	21.14	21.01	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	21.11	21.14	21.02	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.15	21.13	21.03	22.5	0.0	
Channel				647968	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	21.06	21.17	21.04	22.5	0.0	
Channel				647500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	21.11	21.13	21.05	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	21.19	21.17	21.01	22.5	0.0	
Channel				647168	650000	652832	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	21.08	21.18	21.12	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	21.04	21.22	21.15	22.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.74	22.86	22.75		
20	PI2 BPSK	1	53	22.64	22.66	22.62	24.0	0.0
20	PI2 BPSK	1	104	22.60	22.71	22.56		
20	PI2 BPSK	50	0	22.70	22.81	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.58	22.72	22.70	24.0	0.0
20	PI2 BPSK	50	56	22.85	22.93	22.82		
20	PI2 BPSK	100	0	22.80	22.89	22.88	23.5	0.5
20	QPSK	1	1	22.89	22.95	22.83		
20	QPSK	1	53	22.91	23.00	22.97	24.0	0.0
20	QPSK	1	104	22.58	22.75	22.62		
20	QPSK	50	0	22.90	22.91	22.87	23.0	1.0
20	QPSK	50	28	22.91	22.93	22.89	24.0	0.0
20	QPSK	50	56	22.82	22.89	22.82	23.0	1.0
20	QPSK	100	0	22.85	22.88	22.78		
20	16QAM	1	1	22.72	22.75	22.61	23.0	1.0
20	64QAM	1	1	20.24	20.31	20.27	21.5	2.5
20	256QAM	1	1	18.61	18.75	18.60	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.82	22.87	22.87	24.0	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.88	22.93	22.92	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.84	22.89	22.83	24.0	0.0

Reduced Power Mode for Receiver On

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.56	22.71	22.65		
20	PI2 BPSK	1	53	22.46	22.53	22.45	24.0	0.0
20	PI2 BPSK	1	104	22.52	22.63	22.56		
20	PI2 BPSK	50	0	22.71	22.72	22.63	23.5	0.5
20	PI2 BPSK	50	28	22.52	22.65	22.58	24.0	0.0
20	PI2 BPSK	50	56	22.61	22.72	22.57		
20	PI2 BPSK	100	0	22.80	22.68	22.54	23.5	0.5
20	QPSK	1	1	22.56	22.65	22.53		
20	QPSK	1	53	22.70	22.75	22.64	24.0	0.0
20	QPSK	1	104	22.50	22.52	22.41		
20	QPSK	50	0	22.68	22.73	22.58	23.0	1.0
20	QPSK	50	28	22.68	22.74	22.60	24.0	0.0
20	QPSK	50	56	22.56	22.69	22.59	23.0	1.0
20	QPSK	100	0	22.52	22.64	22.56		
20	16QAM	1	1	22.30	22.42	22.39	23.0	1.0
20	64QAM	1	1	19.74	19.85	19.72	21.5	2.5
20	256QAM	1	1	18.35	18.46	18.35	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.61	22.73	22.60	24.0	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.61	22.69	22.63	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.63	22.70	22.61	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.60	22.75	22.60		
20	PI2 BPSK	1	53	22.53	22.61	22.50	24.0	0.0
20	PI2 BPSK	1	104	22.59	22.62	22.48		
20	PI2 BPSK	50	0	22.78	22.80	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.73	22.74	22.73	24.0	0.0
20	PI2 BPSK	50	56	22.58	22.73	22.72		
20	PI2 BPSK	100	0	22.83	22.71	22.60	23.5	0.5
20	QPSK	1	1	22.77	22.85	22.78		
20	QPSK	1	53	22.61	22.99	22.80	24.0	0.0
20	QPSK	1	104	22.84	22.89	22.59		
20	QPSK	50	0	22.71	22.83	22.79	23.0	1.0
20	QPSK	50	28	22.70	22.84	22.80	24.0	0.0
20	QPSK	50	56	22.76	22.83	22.68	23.0	1.0
20	QPSK	100	0	22.80	22.81	22.72		
20	16QAM	1	1	22.38	22.45	22.34	23.0	1.0
20	64QAM	1	1	19.90	20.00	19.90	21.5	2.5
20	256QAM	1	1	18.40	18.45	18.44	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.84	22.78	22.66	24.0	0.0
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.71	22.85	22.78	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.74	22.82	22.71	24.0	0.0

Part27Q_n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1		11.33				
100	Pl2 BPSK	1	137		11.42		13.0	0.0	
100	Pl2 BPSK	1	271		11.26				
100	Pl2 BPSK	135	0		11.30		13.0	0.0	
100	Pl2 BPSK	135	69		11.33		13.0	0.0	
100	Pl2 BPSK	135	138		11.27		13.0	0.0	
100	Pl2 BPSK	270	0		11.41				
100	QPSK	1	1		10.23				
100	QPSK	1	137		11.43		13.0	0.0	
100	QPSK	1	271		11.42				
100	QPSK	135	0		11.39				
100	QPSK	135	69		11.40		13.0	0.0	
100	QPSK	135	138		11.32				
100	QPSK	270	0		11.38		13.0	0.0	
100	16QAM	1	1		11.40		13.0	0.0	
100	64QAM	1	1		11.41		13.0	0.0	
100	256QAM	1	1		11.39		13.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR	
				3485	3469.98	3504.99	(dBm)	(dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	632968	633332	634000	Tune-up limit (dBm)	MPR	
				3480.02	3469.98	3510	(dBm)	(dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR	
				3485.01	3469.98	3514.98	(dBm)	(dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR	
				3475.02	3469.98	3525	(dBm)	(dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR	
				3465	3469.98	3534.99	(dBm)	(dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR	
				3470.01	3469.98	3529.98	(dBm)	(dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	629668	633332	637000	Tune-up limit (dBm)	MPR	
				3460.02	3469.98	3540	(dBm)	(dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	629000	633332	638000	Tune-up limit (dBm)	MPR	
				3457.5	3469.98	3542.49	(dBm)	(dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	628334	633332	638332	Tune-up limit (dBm)	MPR	
				3454.91	3469.98	3544.98	(dBm)	(dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	627668	633332	639000	Tune-up limit (dBm)	MPR	
				3452.41	3469.98	3542.49	(dBm)	(dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	627000	633332	640000	Tune-up limit (dBm)	MPR	
				3450	3469.98	3540	(dBm)	(dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	626334	633332	640334	Tune-up limit (dBm)	MPR	
				3447.51	3469.98	3537.49	(dBm)	(dB)	

Part27Q_n77_Ant 5_HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1		14.33				
100	PQ2 BPSK	1	137		14.28		16.0	0.0	
100	PQ2 BPSK	1	271		14.20				
100	PQ2 BPSK	135	0		14.25		16.0	0.0	
100	PQ2 BPSK	135	69		14.22		16.0	0.0	
100	PQ2 BPSK	135	138		14.36		16.0	0.0	
100	PQ2 BPSK	270	0		14.30				
100	QPSK	1	1		13.31				
100	QPSK	1	137		14.45		16.0	0.0	
100	QPSK	1	271		14.13				
100	QPSK	135	0		14.19				
100	QPSK	135	69		14.40		16.0	0.0	
100	QPSK	135	138		14.20				
100	QPSK	270	0		14.33		16.0	0.0	
100	16QAM	1	1		14.26		16.0	0.0	
100	64QAM	1	1		14.16		16.0	0.0	
100	256QAM	1	1		14.32		16.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3465	3469.98	3504.99			
Channel									
Frequency (MHz)									
80	QPSK	1	1	632968	633332	634000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3469.98	3510			
Channel									
Frequency (MHz)									
70	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3469.98	3514.98			
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3469.98	3525			
Channel									
Frequency (MHz)									
50	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
				14.13	14.08	14.14	16.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3469.98	3529.98			
Channel									
Frequency (MHz)									
30	QPSK	1	1	629668	633332	637000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3469.98	3540			
Channel									
Frequency (MHz)									
25	QPSK	1	1	629000	633332	638000	Tune-up limit (dBm)	MPR (dB)	
				14.13	14.19	14.11	16.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	628334	633332	638332	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3469.98	3544.98			
Channel									
Frequency (MHz)									
15	QPSK	1	1	627668	633332	639000	Tune-up limit (dBm)	MPR (dB)	
				14.11	14.11	14.02	16.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	627000	633332	640000	Tune-up limit (dBm)	MPR (dB)	
				14.22	14.09	13.96			

Part270_n77_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)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	67500	68600	66200			
100	Pl2 BPSK	1	1	3900	3840	3930			
100	Pl2 BPSK	1	1	11.32	11.41	11.30			
100	Pl2 BPSK	1	137	11.27	11.34	11.20	13.0	0.0	
100	Pl2 BPSK	1	271	11.32	11.28	11.32			
100	Pl2 BPSK	135	0	11.41	11.34	11.26	13.0	0.0	
100	Pl2 BPSK	135	69	11.30	11.46	11.36	13.0	0.0	
100	Pl2 BPSK	135	138	11.36	11.33	11.44	13.0	0.0	
100	Pl2 BPSK	270	0	11.36	11.38	11.34			
100	QPSK	1	1	10.41	10.63	10.40			
100	QPSK	1	137	11.42	11.50	11.31	13.0	0.0	
100	QPSK	1	271	11.40	11.32	11.31			
100	QPSK	135	0	11.31	11.47	11.28			
100	QPSK	135	69	11.40	11.48	11.27	13.0	0.0	
100	QPSK	135	138	11.33	11.37	11.25			
100	QPSK	270	0	11.36	11.40	11.31			
100	16QAM	1	1	11.37	11.35	11.35	13.0	0.0	
100	64QAM	1	1	11.31	11.44	11.34	13.0	0.0	
100	256QAM	1	1	11.22	11.21	11.30	13.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	64500	65000	66250	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	3745.00	3840	3934.98			
90	QPSK	1	1	11.09	11.37	11.11	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	64000	65000	66200	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	11.10	11.24	11.20	13.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63000	65000	66300	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3735	3840	3945			
70	QPSK	1	1	11.07	11.17	11.14	13.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	62000	65000	66350	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3730.00	3840	3949.98			
60	QPSK	1	1	11.17	11.33	11.24	13.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	61000	65000	66500	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3725.00	3840	3954.99			
50	QPSK	1	1	11.03	11.32	11.05	13.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	60000	65000	66400	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3720	3840	3960			
40	QPSK	1	1	11.04	11.21	11.07	13.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	59000	65000	66350	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3715.00	3840	3964.98			
30	QPSK	1	1	11.13	11.17	11.10	13.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	58000	65000	66450	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3712.5	3840	3971.5			
25	QPSK	1	1	11.23	11.32	11.20	13.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	57400	65000	66466	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3710.0	3840	3968.69			
20	QPSK	1	1	11.11	11.30	11.07	13.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	56768	65000	66482	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3707.52	3840	3972.48			
15	QPSK	1	1	11.24	11.29	11.18	13.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	56000	65000	66500	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3705	3840	3975			
10	QPSK	1	1	10.99	11.34	11.03	13.0	0.0	

Part270_n78_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	18.24					
100	Pl2 BPSK	1	137	18.16			19.5	0.0	
100	Pl2 BPSK	1	271	18.28					
100	Pl2 BPSK	135	0	18.32			19.5	0.0	
100	Pl2 BPSK	135	69	18.33			19.5	0.0	
100	Pl2 BPSK	135	138	18.27			19.5	0.0	
100	Pl2 BPSK	270	0	18.29					
100	QPSK	1	1	17.52					
100	QPSK	1	137	18.37			19.5	0.0	
100	QPSK	1	271	18.18					
100	QPSK	135	0	18.20			19.5	0.0	
100	QPSK	135	69	18.33					
100	QPSK	135	138	18.28					
100	QPSK	270	0	18.32			19.5	0.0	
100	16QAM	1	1	18.25			19.5	0.0	
100	16QAM	1	1	17.22			19.5	0.0	
100	256QAM	1	1	15.71			18.0	1.5	
Channel				649968	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3757.98	(dBm)	(dB)	
90	QPSK	1	1	18.10	18.15	18.08	19.5	0.0	
Channel				648334	650000	650968	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	18.21	18.11	18.03	19.5	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	18.12	18.28	18.12	19.5	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3750	3760.98	(dBm)	(dB)	
60	QPSK	1	1	18.24	18.09	17.98	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	18.01	18.08	17.99	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	18.24	18.04	18.09	19.5	0.0	
Channel				647968	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	18.15	18.13	18.10	19.5	0.0	
Channel				647500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	18.13	18.17	17.96	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	18.17	18.24	18.10	19.5	0.0	
Channel				647168	650000	652832	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	18.05	18.19	18.11	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	18.00	18.15	18.12	19.5	0.0	

Part270_n78_Ant 9_HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	20.23					
100	Pl2 BPSK	1	137	21.25			22.5	0.0	
100	Pl2 BPSK	1	271	20.35					
100	Pl2 BPSK	135	0	20.40			22.0	0.5	
100	Pl2 BPSK	135	69	21.14			22.5	0.0	
100	Pl2 BPSK	135	138	20.45			22.0	0.5	
100	Pl2 BPSK	270	0	19.58					
100	QPSK	1	1	20.34					
100	QPSK	1	137	21.30			22.5	0.0	
100	QPSK	1	271	20.24					
100	QPSK	135	0	19.68			22.5	0.0	
100	QPSK	135	69	21.11					
100	QPSK	135	138	19.74					
100	QPSK	270	0	20.24			21.5	1.0	
100	16QAM	1	1	18.74			21.5	1.0	
100	16QAM	1	1	17.21			20.0	2.5	
100	256QAM	1	1	15.70			18.0	4.5	
Channel				649968	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3757.98	(dBm)	(dB)	
90	QPSK	1	1	21.10	21.15	21.10	22.5	0.0	
Channel				648334	650000	650968	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	21.18	21.19	21.07	22.5	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	21.20	21.21	21.13	22.5	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3750	3760.98	(dBm)	(dB)	
60	QPSK	1	1	21.19	21.14	21.01	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	21.11	21.14	21.02	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.15	21.13	21.03	22.5	0.0	
Channel				647968	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	21.06	21.17	21.04	22.5	0.0	
Channel				647500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	21.11	21.13	21.05	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	21.19	21.17	21.01	22.5	0.0	
Channel				647168	650000	652832	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	21.08	21.18	21.12	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	21.04	21.22	21.15	22.5	0.0	



n5_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.74	22.86	22.75		
20	PI2 BPSK	1	53	22.64	22.66	22.62	24.0	0.0
20	PI2 BPSK	1	104	22.60	22.71	22.56		
20	PI2 BPSK	50	0	22.70	22.81	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.58	22.72	22.70	24.0	0.0
20	PI2 BPSK	50	56	22.85	22.93	22.82		
20	PI2 BPSK	100	0	22.80	22.89	22.88	23.5	0.5
20	QPSK	1	1	22.89	22.95	22.83		
20	QPSK	1	53	22.91	23.00	22.97	24.0	0.0
20	QPSK	1	104	22.58	22.75	22.62		
20	QPSK	50	0	22.90	22.91	22.87	23.0	1.0
20	QPSK	50	28	22.91	22.93	22.89	24.0	0.0
20	QPSK	50	56	22.82	22.89	22.82	23.0	1.0
20	QPSK	100	0	22.85	22.88	22.78		
20	16QAM	1	1	22.72	22.75	22.61	23.0	1.0
20	64QAM	1	1	20.24	20.31	20.27	21.5	2.5
20	256QAM	1	1	18.61	18.75	18.60	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.82	22.87	22.87	24.0	0.0
Channel				165300	167300	168500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.88	22.93	22.92	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.84	22.89	22.83	24.0	0.0

Reduced Power Mode for Sensor On

n5_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167900		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.56	22.71	22.65		
20	PI2 BPSK	1	53	22.46	22.53	22.45	24.0	0.0
20	PI2 BPSK	1	104	22.52	22.63	22.56		
20	PI2 BPSK	50	0	22.71	22.72	22.63	23.5	0.5
20	PI2 BPSK	50	28	22.52	22.65	22.58	24.0	0.0
20	PI2 BPSK	50	56	22.61	22.72	22.57		
20	PI2 BPSK	100	0	22.80	22.68	22.54	23.5	0.5
20	QPSK	1	1	22.56	22.65	22.53		
20	QPSK	1	53	22.70	22.75	22.64	24.0	0.0
20	QPSK	1	104	22.50	22.52	22.41		
20	QPSK	50	0	22.68	22.73	22.58	23.0	1.0
20	QPSK	50	28	22.68	22.74	22.60	24.0	0.0
20	QPSK	50	56	22.56	22.69	22.59	23.0	1.0
20	QPSK	100	0	22.52	22.64	22.56		
20	16QAM	1	1	22.30	22.42	22.39	23.0	1.0
20	64QAM	1	1	19.74	19.85	19.72	21.5	2.5
20	256QAM	1	1	18.35	18.46	18.35	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.61	22.73	22.60	24.0	0.0
Channel				165800	167300	168500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.61	22.69	22.63	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.63	22.70	22.61	24.0	0.0

n71_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.60	22.75	22.60		
20	PI2 BPSK	1	53	22.53	22.61	22.50	24.0	0.0
20	PI2 BPSK	1	104	22.59	22.62	22.48		
20	PI2 BPSK	50	0	22.78	22.80	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.73	22.74	22.73	24.0	0.0
20	PI2 BPSK	50	56	22.58	22.73	22.72		
20	PI2 BPSK	100	0	22.83	22.71	22.60	23.5	0.5
20	QPSK	1	1	22.77	22.85	22.78		
20	QPSK	1	53	22.81	22.99	22.80	24.0	0.0
20	QPSK	1	104	22.84	22.89	22.59		
20	QPSK	50	0	22.71	22.83	22.79	23.0	1.0
20	QPSK	50	28	22.70	22.84	22.80	24.0	0.0
20	QPSK	50	56	22.76	22.83	22.68	23.0	1.0
20	QPSK	100	0	22.80	22.81	22.72		
20	16QAM	1	1	22.38	22.45	22.34	23.0	1.0
20	64QAM	1	1	19.90	20.00	19.90	21.5	2.5
20	256QAM	1	1	18.40	18.45	18.44	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.84	22.78	22.66	24.0	0.0
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.71	22.85	22.78	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.74	22.82	22.71	24.0	0.0



n5_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.74	22.86	22.75		
20	PI2 BPSK	1	53	22.64	22.66	22.62	24.0	0.0
20	PI2 BPSK	1	104	22.60	22.71	22.56		
20	PI2 BPSK	50	0	22.70	22.81	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.58	22.72	22.70	24.0	0.0
20	PI2 BPSK	50	56	22.85	22.93	22.82		
20	PI2 BPSK	100	0	22.80	22.89	22.88	23.5	0.5
20	QPSK	1	1	22.89	22.95	22.83		
20	QPSK	1	53	22.91	23.00	22.97	24.0	0.0
20	QPSK	1	104	22.58	22.75	22.62		
20	QPSK	50	0	22.90	22.91	22.87	23.0	1.0
20	QPSK	50	28	22.91	22.93	22.89	24.0	0.0
20	QPSK	50	56	22.82	22.89	22.82	23.0	1.0
20	QPSK	100	0	22.85	22.88	22.78		
20	16QAM	1	1	22.72	22.75	22.61	23.0	1.0
20	64QAM	1	1	20.24	20.31	20.27	21.5	2.5
20	256QAM	1	1	18.61	18.75	18.60	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.82	22.87	22.87	24.0	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.88	22.93	22.92	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.84	22.89	22.83	24.0	0.0

Reduced Power Mode for Hotspot On

n5_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.56	22.71	22.65		
20	PI2 BPSK	1	53	22.46	22.53	22.45	24.0	0.0
20	PI2 BPSK	1	104	22.52	22.63	22.56		
20	PI2 BPSK	50	0	22.71	22.72	22.63	23.5	0.5
20	PI2 BPSK	50	28	22.52	22.65	22.58	24.0	0.0
20	PI2 BPSK	50	56	22.61	22.72	22.57		
20	PI2 BPSK	100	0	22.80	22.68	22.54	23.5	0.5
20	QPSK	1	1	22.56	22.65	22.53		
20	QPSK	1	53	22.70	22.75	22.64	24.0	0.0
20	QPSK	1	104	22.50	22.52	22.41		
20	QPSK	50	0	22.68	22.73	22.58	23.0	1.0
20	QPSK	50	28	22.68	22.74	22.60	24.0	0.0
20	QPSK	50	56	22.56	22.69	22.59	23.0	1.0
20	QPSK	100	0	22.52	22.64	22.56		
20	16QAM	1	1	22.30	22.42	22.39	23.0	1.0
20	64QAM	1	1	19.74	19.85	19.72	21.5	2.5
20	256QAM	1	1	18.35	18.46	18.35	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.61	22.73	22.60	24.0	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.61	22.69	22.63	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.63	22.70	22.61	24.0	0.0

n71_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.60	22.75	22.60		
20	PI2 BPSK	1	53	22.53	22.61	22.50	24.0	0.0
20	PI2 BPSK	1	104	22.59	22.62	22.48		
20	PI2 BPSK	50	0	22.78	22.80	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.73	22.74	22.73	24.0	0.0
20	PI2 BPSK	50	56	22.58	22.73	22.72		
20	PI2 BPSK	100	0	22.83	22.71	22.60	23.5	0.5
20	QPSK	1	1	22.77	22.85	22.78		
20	QPSK	1	53	22.61	22.99	22.80	24.0	0.0
20	QPSK	1	104	22.84	22.89	22.59		
20	QPSK	50	0	22.71	22.83	22.79	23.0	1.0
20	QPSK	50	28	22.70	22.84	22.80	24.0	0.0
20	QPSK	50	56	22.76	22.83	22.68	23.0	1.0
20	QPSK	100	0	22.80	22.81	22.72		
20	16QAM	1	1	22.38	22.45	22.34	23.0	1.0
20	64QAM	1	1	19.90	20.00	19.90	21.5	2.5
20	256QAM	1	1	18.40	18.45	18.44	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.84	22.78	22.66	24.0	0.0
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.71	22.85	22.78	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.74	22.82	22.71	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				650000		3750					
Frequency (MHz)				3750							
100	P2 BPSK	1	1		13.40		14.5	0.0			
100	P2 BPSK	1	137		13.32						
100	P2 BPSK	1	271		13.29		14.5	0.0			
100	P2 BPSK	135	0		13.42						
100	P2 BPSK	135	69		13.39		14.5	0.0			
100	P2 BPSK	135	138		13.27						
100	P2 BPSK	270	0		13.38		14.5	0.0			
100	QPSK	1	1		12.57						
100	QPSK	1	137		13.45		14.5	0.0			
100	QPSK	1	271		13.37						
100	QPSK	135	0		13.34		14.5	0.0			
100	QPSK	135	69		13.37						
100	QPSK	135	138		13.27		14.5	0.0			
100	QPSK	270	0		13.24						
100	16QAM	1	1		13.26		14.5	0.0			
100	16QAM	1	1		13.32						
100	256QAM	1	1		13.39		14.5	0.0			
Channel				649968	650000	650332	MPR				
Frequency (MHz)				3742.02	3750	3754.98	(dBm)				
90	QPSK	1	1	13.22	13.06	13.17	14.5	0.0			
Channel				648334	650000	650968	MPR				
Frequency (MHz)				3740.01	3750	3759.99	(dBm)				
80	QPSK	1	1	13.19	13.10	13.01	14.5	0.0			
Channel				648000	650000	651000	MPR				
Frequency (MHz)				3735	3750	3765	(dBm)				
70	QPSK	1	1	13.21	13.26	13.22	14.5	0.0			
Channel				648668	650000	651332	MPR				
Frequency (MHz)				3740.02	3750	3749.98	(dBm)				
60	QPSK	1	1	13.29	13.02	13.00	14.5	0.0			
Channel				648334	650000	651668	MPR				
Frequency (MHz)				3725.01	3750	3774.99	(dBm)				
50	QPSK	1	1	13.29	13.10	12.92	14.5	0.0			
Channel				648000	650000	652000	MPR				
Frequency (MHz)				3720	3750	3780	(dBm)				
40	QPSK	1	1	13.18	12.98	13.19	14.5	0.0			
Channel				647668	650000	652332	MPR				
Frequency (MHz)				3715.02	3750	3784.98	(dBm)				
30	QPSK	1	1	13.21	13.07	13.09	14.5	0.0			
Channel				647500	650000	652500	MPR				
Frequency (MHz)				3712.5	3750	3787.5	(dBm)				
25	QPSK	1	1	13.06	13.09	12.99	14.5	0.0			
Channel				647334	650000	652668	MPR				
Frequency (MHz)				3710.01	3750	3789.99	(dBm)				
20	QPSK	1	1	13.07	13.15	13.19	14.5	0.0			
Channel				647166	650000	652832	MPR				
Frequency (MHz)				3707.52	3750	3792.48	(dBm)				
15	QPSK	1	1	12.97	13.14	13.08	14.5	0.0			
Channel				647000	650000	653000	MPR				
Frequency (MHz)				3705	3750	3795	(dBm)				
10	QPSK	1	1	13.06	13.21	13.10	14.5	0.0			

Part270_n78_Ant 9_HPUE											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)			
Channel				650000		3750	17.5	0.0			
Frequency (MHz)				3750							
100	Pl2 BPSK	1	1		16.24		17.5	0.0			
100	Pl2 BPSK	1	137		16.32						
100	Pl2 BPSK	1	271		16.26		17.5	0.0			
100	Pl2 BPSK	135	0		16.42						
100	Pl2 BPSK	135	69		16.42		17.5	0.0			
100	Pl2 BPSK	135	138		16.39						
100	Pl2 BPSK	270	0		16.32		17.5	0.0			
100	QPSK	1	1		15.67						
100	QPSK	1	137		15.47		17.5	0.0			
100	QPSK	1	271		16.28						
100	QPSK	135	0		16.22		17.5	0.0			
100	QPSK	135	69		15.40						
100	QPSK	135	138		16.33		17.5	0.0			
100	QPSK	270	0		16.38						
100	16QAM	1	1		16.35		17.5	0.0			
100	64QAM	1	1		16.36						
100	256QAM	1	1		16.27		17.5	0.0			
Channel				649968	650000	650332	MPR				
Frequency (MHz)				3740.02	3750	3754.98	(dBm)				
90	QPSK	1	1	16.29	16.25	16.14	17.5	0.0			
Channel				649334	650000	650968	MPR				
Frequency (MHz)				3740.01	3750	3759.99	(dBm)				
80	QPSK	1	1	16.22	16.20	16.00	17.5	0.0			
Channel				649000	650000	651000	MPR				
Frequency (MHz)				3735	3750	3765	(dBm)				
70	QPSK	1	1	16.16	16.19	16.08	17.5	0.0			
Channel				648668	650000	651332	MPR				
Frequency (MHz)				3740.02	3750	3749.98	(dBm)				
60	QPSK	1	1	16.14	15.99	15.89	17.5	0.0			
Channel				648334	650000	651668	MPR				
Frequency (MHz)				3725.01	3750	3774.99	(dBm)				
50	QPSK	1	1	16.17	16.11	15.99	17.5	0.0			
Channel				648000	650000	652000	MPR				
Frequency (MHz)				3720	3750	3780	(dBm)				
40	QPSK	1	1	16.17	16.11	15.99	17.5	0.0			
Channel				647668	650000	652332	MPR				
Frequency (MHz)				3715.02	3750	3784.98	(dBm)				
30	QPSK	1	1	16.07	16.12	16.10	17.5	0.0			
Channel				647500	650000	652500	MPR				
Frequency (MHz)				3712.5	3750	3787.5	(dBm)				
25	QPSK	1	1	16.08	16.19	15.92	17.5	0.0			
Channel				647334	650000	652668	MPR				
Frequency (MHz)				3710.01	3750	3789.99	(dBm)				
20	QPSK	1	1	16.12	16.27	16.17	17.5	0.0			
Channel				647166	650000	652832	MPR				
Frequency (MHz)				3707.52	3750	3792.48	(dBm)				
15	QPSK	1	1	16.03	16.15	16.17	17.5	0.0			
Channel				647000	650000	653000	MPR				
Frequency (MHz)				3705	3750	3795	(dBm)				
10	QPSK	1	1	15.99	16.10	16.05	17.5	0.0			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.74	22.86	22.75		
20	PI2 BPSK	1	53	22.64	22.66	22.62	24.0	0.0
20	PI2 BPSK	1	104	22.60	22.71	22.56		
20	PI2 BPSK	50	0	22.70	22.81	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.58	22.72	22.70	24.0	0.0
20	PI2 BPSK	50	56	22.85	22.93	22.82		
20	PI2 BPSK	100	0	22.80	22.89	22.88	23.5	0.5
20	QPSK	1	1	22.89	22.95	22.83		
20	QPSK	1	53	22.81	23.00	22.87	24.0	0.0
20	QPSK	1	104	22.58	22.75	22.62		
20	QPSK	50	0	22.90	22.91	22.87	23.0	1.0
20	QPSK	50	28	22.91	22.93	22.89	24.0	0.0
20	QPSK	50	56	22.82	22.89	22.82	23.0	1.0
20	QPSK	100	0	22.85	22.88	22.78		
20	16QAM	1	1	22.72	22.75	22.61	23.0	1.0
20	64QAM	1	1	20.24	20.31	20.27	21.5	2.5
20	256QAM	1	1	18.61	18.75	18.60	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.82	22.87	22.87	24.0	0.0
Channel				165300	167300	168500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.88	22.93	22.92	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.84	22.89	22.83	24.0	0.0

Reduced Power Mode for Handheld On

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.56	22.71	22.65		
20	PI2 BPSK	1	53	22.46	22.53	22.45	24.0	0.0
20	PI2 BPSK	1	104	22.52	22.63	22.56		
20	PI2 BPSK	50	0	22.71	22.72	22.63	23.5	0.5
20	PI2 BPSK	50	28	22.52	22.65	22.58	24.0	0.0
20	PI2 BPSK	50	56	22.61	22.72	22.57		
20	PI2 BPSK	100	0	22.80	22.68	22.54	23.5	0.5
20	QPSK	1	1	22.56	22.65	22.53		
20	QPSK	1	53	22.70	22.75	22.64	24.0	0.0
20	QPSK	1	104	22.50	22.52	22.41		
20	QPSK	50	0	22.68	22.73	22.58	23.0	1.0
20	QPSK	50	28	22.68	22.74	22.60	24.0	0.0
20	QPSK	50	56	22.56	22.69	22.59	23.0	1.0
20	QPSK	100	0	22.52	22.64	22.56		
20	16QAM	1	1	22.30	22.42	22.39	23.0	1.0
20	64QAM	1	1	19.74	19.85	19.72	21.5	2.5
20	256QAM	1	1	18.35	18.46	18.35	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.61	22.73	22.60	24.0	0.0
Channel				165800	167300	168500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.61	22.69	22.63	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.63	22.70	22.61	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	136700		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.60	22.75	22.60		
20	PI2 BPSK	1	53	22.53	22.61	22.50	24.0	0.0
20	PI2 BPSK	1	104	22.59	22.62	22.48		
20	PI2 BPSK	50	0	22.78	22.80	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.73	22.74	22.73	24.0	0.0
20	PI2 BPSK	50	56	22.58	22.73	22.72		
20	PI2 BPSK	100	0	22.83	22.71	22.60	23.5	0.5
20	QPSK	1	1	22.77	22.85	22.78		
20	QPSK	1	53	22.81	22.99	22.80	24.0	0.0
20	QPSK	1	104	22.84	22.89	22.59		
20	QPSK	50	0	22.71	22.83	22.79	23.0	1.0
20	QPSK	50	28	22.76	22.84	22.80	24.0	0.0
20	QPSK	50	56	22.76	22.83	22.68	23.0	1.0
20	QPSK	100	0	22.80	22.81	22.72		
20	16QAM	1	1	22.38	22.45	22.34	23.0	1.0
20	64QAM	1	1	19.90	20.00	19.90	21.5	2.5
20	256QAM	1	1	18.40	18.45	18.44	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.84	22.78	22.66	24.0	0.0
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.71	22.85	22.78	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.74	22.82	22.71	24.0	0.0

Part270_n78_Ant 7_HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	16QAM	1	1	20.57			21.0	0.0	
100	16QAM	1	137	20.50					
100	16QAM	1	271	20.42			21.0	0.0	
100	16QAM	135	0	20.45					
100	16QAM	135	69	20.53			21.0	0.0	
100	16QAM	135	138	20.53					
100	16QAM	270	0	20.44			21.0	0.0	
100	QPSK	1	1	19.69					
100	QPSK	1	137	20.61			21.0	0.0	
100	QPSK	1	271	20.54					
100	QPSK	135	0	20.47			21.0	0.0	
100	QPSK	135	69	20.55					
100	QPSK	135	138	20.48			21.0	0.0	
100	QPSK	270	0	20.53					
100	16QAM	1	1	20.47			21.0	0.0	
100	16QAM	1	1	20.48			21.0	0.0	
100	256QAM	1	1	20.52			21.0	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3757.98	(dBm)	(dB)	
90	QPSK	1	1	20.27	20.19	20.08	21.0	0.0	
Channel				648334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	20.25	20.34	20.19	21.0	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	20.34	20.26	20.25	21.0	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3750	3760.98	(dBm)	(dB)	
60	QPSK	1	1	20.24	20.32	20.26	21.0	0.0	
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	20.30	20.14	20.25	21.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	20.24	20.07	20.24	21.0	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	20.25	20.33	20.03	21.0	0.0	
Channel				647500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	19.99	20.13	20.15	21.0	0.0	
Channel				647334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	20.23	20.40	20.28	21.0	0.0	
Channel				647166	650000	652166	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	20.34	20.13	20.30	21.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	20.24	20.27	20.34	21.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.74	22.86	22.75		
20	PI2 BPSK	1	53	22.64	22.66	22.62	24.0	0.0
20	PI2 BPSK	1	104	22.60	22.71	22.56		
20	PI2 BPSK	50	0	22.70	22.81	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.58	22.72	22.70	24.0	0.0
20	PI2 BPSK	50	56	22.85	22.93	22.82		
20	PI2 BPSK	100	0	22.80	22.89	22.88	23.5	0.5
20	QPSK	1	1	22.89	22.95	22.83		
20	QPSK	1	53	22.91	23.00	22.97	24.0	0.0
20	QPSK	1	104	22.58	22.75	22.62		
20	QPSK	50	0	22.90	22.91	22.87	23.0	1.0
20	QPSK	50	28	22.91	22.93	22.89	24.0	0.0
20	QPSK	50	56	22.82	22.89	22.82	23.0	1.0
20	QPSK	100	0	22.85	22.88	22.78		
20	16QAM	1	1	22.72	22.75	22.61	23.0	1.0
20	64QAM	1	1	20.24	20.31	20.27	21.5	2.5
20	256QAM	1	1	18.61	18.75	18.60	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.82	22.87	22.87	24.0	0.0
Channel				165300	167300	168500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.88	22.93	22.92	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.84	22.89	22.83	24.0	0.0

Reduced Power Mode for Sensor off

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.56	22.71	22.65		
20	PI2 BPSK	1	53	22.46	22.53	22.45	24.0	0.0
20	PI2 BPSK	1	104	22.52	22.63	22.56		
20	PI2 BPSK	50	0	22.71	22.72	22.63	23.5	0.5
20	PI2 BPSK	50	28	22.52	22.65	22.58	24.0	0.0
20	PI2 BPSK	50	56	22.61	22.72	22.57		
20	PI2 BPSK	100	0	22.80	22.68	22.54	23.5	0.5
20	QPSK	1	1	22.56	22.65	22.53		
20	QPSK	1	53	22.70	22.75	22.64	24.0	0.0
20	QPSK	1	104	22.50	22.52	22.41		
20	QPSK	50	0	22.68	22.73	22.58	23.0	1.0
20	QPSK	50	28	22.68	22.74	22.60	24.0	0.0
20	QPSK	50	56	22.56	22.69	22.59	23.0	1.0
20	QPSK	100	0	22.52	22.64	22.56		
20	16QAM	1	1	22.30	22.42	22.39	23.0	1.0
20	64QAM	1	1	19.74	19.85	19.72	21.5	2.5
20	256QAM	1	1	18.35	18.46	18.35	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.61	22.73	22.60	24.0	0.0
Channel				165300	167300	168500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.61	22.69	22.63	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.63	22.70	22.61	24.0	0.0

n71_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	136700		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.60	22.75	22.60		
20	PI2 BPSK	1	53	22.53	22.61	22.50	24.0	0.0
20	PI2 BPSK	1	104	22.59	22.62	22.48		
20	PI2 BPSK	50	0	22.78	22.80	22.66	23.5	0.5
20	PI2 BPSK	50	28	22.73	22.74	22.73	24.0	0.0
20	PI2 BPSK	50	56	22.58	22.73	22.72		
20	PI2 BPSK	100	0	22.83	22.71	22.60	23.5	0.5
20	QPSK	1	1	22.77	22.85	22.78		
20	QPSK	1	53	22.61	22.99	22.80	24.0	0.0
20	QPSK	1	104	22.84	22.89	22.59		
20	QPSK	50	0	22.71	22.83	22.79	23.0	1.0
20	QPSK	50	28	22.70	22.84	22.80	24.0	0.0
20	QPSK	50	56	22.76	22.83	22.68	23.0	1.0
20	QPSK	100	0	22.80	22.81	22.72		
20	16QAM	1	1	22.38	22.45	22.34	23.0	1.0
20	64QAM	1	1	19.90	20.00	19.90	21.5	2.5
20	256QAM	1	1	18.40	18.45	18.44	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.84	22.78	22.66	24.0	0.0
Channel				133500	136100	138500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.71	22.85	22.78	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.74	22.82	22.71	24.0	0.0

Part27O_n77_Ant 5_HPUUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (Fec)	Power Middle (Fec)	Power High (Fec)	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	P2 PSBK	1	1	23.85	23.95	23.75			
100	P2 PSBK	1	137	23.85	23.95	23.75	25.5	0.0	
100	P2 PSBK	1	271	23.85	23.80	23.85			
100	P2 PSBK	135	0	23.80	23.90	23.79	25.5	0.0	
100	P2 PSBK	135	69	23.80	23.81	23.82	25.5	0.0	
100	P2 PSBK	135	138	23.86	23.95	23.81	25.5	0.0	
100	P2 PSBK	270	0	23.91	23.90	23.83			
100	QPSK	1	1	22.74	22.99	22.80			
100	QPSK	1	137	21.50	23.97	23.89	25.5	0.0	
100	QPSK	1	271	23.79	24.00	23.77			
100	QPSK	135	0	23.80	23.90	23.88	25.5	0.0	
100	QPSK	135	69	23.78	23.95	23.70			
100	QPSK	135	138	23.79	23.88	23.76	25.5	0.0	
100	QPSK	270	0	23.87	23.92	23.84	25.5	0.0	
100	16QAM	1	1	23.81	23.81	23.81	25.5	0.0	
100	64QAM	1	1	23.78	23.81	23.86	24.5	1.0	
100	256QAM	1	1	22.91	22.88	22.88	22.5	3.0	
Channel				669698	665000	662332	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3750	3840	3930			
50	QPSK	1	1	23.60	23.82	23.67	25.5	0.0	
Channel				669334	669000	662096	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	23.67	23.74	23.58	25.5	0.0	
Channel				669050	665000	662000	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.51	23.79	23.66	25.5	0.0	
Channel				669698	665000	663332	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3949.99			
60	QPSK	1	1	23.64	23.75	23.70	25.5	0.0	
Channel				668334	669000	663698	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3964.99			
50	QPSK	1	1	23.69	23.74	23.50	25.5	0.0	
Channel				668900	665000	664000	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.53	23.80	23.55	25.5	0.0	
Channel				664768	665000	664332	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3954.99			
30	QPSK	1	1	23.64	23.76	23.60	25.5	0.0	
Channel				667800	665000	664500	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3712.50	3940	3907.50			
25	QPSK	1	1	23.50	23.86	23.65	25.5	0.0	
Channel				667234	669000	666005	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	23.65	23.79	23.55	25.5	0.0	
Channel				664768	665000	664768	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3922.48			
15	QPSK	1	1	23.85	23.85	23.87	25.5	0.0	
Channel				6647000	665000	665000	Time-up limit (dB)	MPR (dB)	
Frequency (MHz)				3700	3940	3940			
10	QPSK	1	1	23.70	23.73	23.76	25.5	0.0	

Part27Q_n77_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
Channel				633332	633332		
Frequency (MHz)				3499.98			
100	PQ2 BPSK	1	1	14.25			
100	PQ2 BPSK	1	1	14.18			
100	PQ2 BPSK	1	1	14.24		15.5	0.0
100	PQ2 BPSK	135	0	14.20		15.5	0.0
100	PQ2 BPSK	135	69	14.28		15.5	0.0
100	PQ2 BPSK	135	138	14.24		15.5	0.0
100	PQ2 QPSK	270	0	14.27		15.5	0.0
100	QPSK	1	1	13.58			
100	QPSK	1	1	13.50		15.5	0.0
100	QPSK	1	1	14.32			
100	QPSK	135	0	14.20		15.5	0.0
100	QPSK	135	138	14.28			
100	QPSK	270	0	14.24		15.5	0.0
100	16QAM	1	1	14.17		15.5	0.0
100	64QAM	1	1	14.27		15.5	0.0
100	256QAM	1	1	14.20		15.5	0.0
Channel				633300	633332	633666	
Frequency (MHz)				3499.98	3499.98	3501.80	
90	QPSK	1	1	13.91	13.95	14.27	15.5
Channel				630668	633332	634000	
Frequency (MHz)				3480.02	3499.98	3510	
80	QPSK	1	1	13.85	14.13	14.21	15.5
Channel				633332	633332	633332	
Frequency (MHz)				3488.01	3499.98	3514.86	
70	QPSK	1	1	13.83	14.03	14.11	15.5
Channel				632000	633332	634866	
Frequency (MHz)				3473.34	3499.98	3518.80	
60	QPSK	1	1	13.85	14.05	14.00	15.5
Channel				631668	633332	635000	
Frequency (MHz)				3470.02	3499.98	3525	
50	QPSK	1	1	13.84	13.90	14.04	15.5
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.86	
40	QPSK	1	1	13.88	14.10	14.20	15.5
Channel				631000	633332	635666	
Frequency (MHz)				3467.34	3499.98	3534.80	
30	QPSK	1	1	13.88	13.92	14.02	15.5
Channel				630834	633332	636032	
Frequency (MHz)				3462.51	3499.98	3537.43	
25	QPSK	1	1	13.94	14.10	13.95	15.5
Channel				630668	633332	635000	
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	13.94	14.00	13.99	15.5
Channel				630400	633332	635956	
Frequency (MHz)				3457.5	3499.98	3542.80	
15	QPSK	1	1	13.90	14.10	13.91	15.5
Channel				630334	633332	636032	
Frequency (MHz)				3455.01	3499.98	3544.80	
10	QPSK	1	1	14.01	14.10	13.99	15.5

Part27Q_n77_Ant 3_HPUE							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
	Channel				635332		
	Frequency (MHz)				3499.98		
100	Pl2 BPSK	1	1		17.21		
100	Pl2 BPSK	1	137		17.21	18.5	0.0
100	Pl2 BPSK	1	271		17.34		
100	Pl2 BPSK	135	0		17.28	18.5	0.0
100	Pl2 BPSK	135	69		17.26	18.5	0.0
100	Pl2 BPSK	135	136		17.30	18.5	0.0
100	Pl2 BPSK	270	0		17.29	18.5	0.0
100	QPSK	1	1		16.47		
100	QPSK	1	137		17.36	18.5	0.0
100	QPSK	1	271		17.38		
100	QPSK	135	0		17.47	18.5	0.0
100	QPSK	135	69		17.27	18.5	0.0
100	QPSK	135	136		17.31		
100	QPSK	270	0		17.25	18.5	0.0
100	16QAM	1	1		17.21	18.5	0.0
100	16QAM	1	1		17.31	18.5	0.0
100	256QAM	1	1		17.33	18.0	0.5
	Channel			635300	635332	635666	
	Frequency (MHz)			3495	3499.98	3504.98	
90	QPSK	1	1	16.97	17.01	17.18	18.5
	Channel			635668	635332	635000	
	Frequency (MHz)			3499.02	3499.98	3510	
80	QPSK	1	1	16.81	17.06	17.18	18.5
	Channel			635332	635332	635332	
	Frequency (MHz)			3495.01	3499.98	3514.98	
70	QPSK	1	1	16.93	17.06	17.20	18.5
	Channel			635000	635332	634666	
	Frequency (MHz)			3498	3499.98	3519.98	
60	QPSK	1	1	16.92	17.10	17.01	18.5
	Channel			631668	635332	635000	
	Frequency (MHz)			3476.02	3499.98	3525	
50	QPSK	1	1	16.90	17.03	17.09	18.5
	Channel			631334	635332	635332	
	Frequency (MHz)			3470.01	3499.98	3529.98	
40	QPSK	1	1	16.81	17.09	17.04	18.5
	Channel			631000	635332	635666	
	Frequency (MHz)			3468	3499.98	3534.99	
30	QPSK	1	1	16.94	16.89	16.96	18.5
	Channel			634034	635332	635632	
	Frequency (MHz)			3462.51	3499.98	3537.48	
25	QPSK	1	1	16.91	16.93	16.96	18.5
	Channel			635668	635332	635000	
	Frequency (MHz)			3466.02	3499.98	3540	
20	QPSK	1	1	16.96	17.07	16.85	18.5
	Channel			635000	635332	635666	
	Frequency (MHz)			3467.5	3499.98	3542.49	
15	QPSK	1	1	16.99	17.00	16.81	18.5
	Channel			634034	635332	635632	
	Frequency (MHz)			3465.01	3499.98	3544.98	
10	QPSK	1	1	17.00	16.77	16.73	18.5

Part270_n77_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PQ2 BPSK	1	1	14.41	14.54	14.45	15.5	0.0		
100	PQ2 BPSK	1	137	14.55	14.55	14.42				
100	PQ2 BPSK	1	271	14.39	14.40	14.56	15.5	0.0		
100	PQ2 BPSK	135	0	14.54	14.59	14.57				
100	PQ2 BPSK	135	69	14.54	14.46	14.42	15.5	0.0		
100	PQ2 BPSK	135	138	14.51	14.44	14.47	15.5	0.0		
100	PQ2 BPSK	270	0	14.40	14.40	14.59				
100	QPSK	1	1	13.18	13.33	13.14	15.5	0.0		
100	QPSK	1	137	14.53	14.65	14.55				
100	QPSK	1	271	14.49	14.58	14.53	15.5	0.0		
100	QPSK	135	0	14.41	14.49	14.40				
100	QPSK	135	69	14.51	14.53	14.53	15.5	0.0		
100	QPSK	135	138	14.43	14.46	14.52				
100	QPSK	270	0	14.57	14.62	14.57	15.5	0.0		
100	16QAM	1	1	14.80	14.52	14.57	15.5	0.0		
100	64QAM	1	1	14.48	14.56	14.38	15.5	0.0		
100	256QAM	1	1	14.52	14.59	14.42	15.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	14.17	14.29	14.32	15.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	14.31	14.44	14.43	15.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	14.29	14.38	14.34	15.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	14.37	14.45	14.22	15.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	14.35	14.50	14.33	15.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	14.29	14.41	14.36	15.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	14.33	14.47	14.36	15.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	14.32	14.46	14.34	15.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	14.38	14.50	14.23	15.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	14.30	14.35	14.27	15.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	14.35	14.38	14.37	15.5	0.0		

Part270_n77_Ant 3_HPUE										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PQ2 BPSK	1	1	17.36	17.60	17.47	18.5	0.0		
100	PQ2 BPSK	1	137	17.44	17.45	17.44				
100	PQ2 BPSK	1	271	17.44	17.48	17.40	18.5	0.0		
100	PQ2 BPSK	135	0	17.48	17.51	17.55				
100	PQ2 BPSK	135	69	17.59	17.41	17.47	18.5	0.0		
100	PQ2 BPSK	135	138	17.41	17.46	17.63	18.5	0.0		
100	PQ2 BPSK	270	0	17.52	17.65	17.58				
100	QPSK	1	1	16.25	16.39	16.16	18.5	0.0		
100	QPSK	1	137	17.52	17.66	17.60				
100	QPSK	1	271	17.40	17.55	17.53	18.5	0.0		
100	QPSK	135	0	17.53	17.57	17.59				
100	QPSK	135	69	17.46	17.55	17.63	18.5	0.0		
100	QPSK	135	138	17.46	17.44	17.37				
100	QPSK	270	0	17.46	17.54	17.40	18.5	0.0		
100	16QAM	1	1	17.42	17.47	17.42	18.5	0.0		
100	64QAM	1	1	17.44	17.58	17.52	18.5	0.0		
100	256QAM	1	1	17.46	17.60	17.58	18.0	0.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	17.32	17.24	17.30	18.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.22	17.44	17.44	18.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	17.20	17.35	17.35	18.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	17.24	17.51	17.36	18.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.46	17.31	17.29	18.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.38	17.45	17.42	18.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.31	17.42	17.25	18.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	17.24	17.59	17.35	18.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.24	17.38	17.38	18.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	17.32	17.39	17.21	18.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.25	17.48	17.34	18.5	0.0		

Part27Q_n77_Ant_7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pl2 BPSK	1	1			21.52	22.5	0.0		
100	Pl2 BPSK	1	137			21.61				
100	Pl2 BPSK	1	271			21.55	22.5	0.0		
100	Pl2 BPSK	135	0			21.62				
100	Pl2 BPSK	135	69			21.53	22.5	0.0		
100	Pl2 BPSK	135	138			21.59	22.5	0.0		
100	Pl2 BPSK	270	0			21.51				
100	QPSK	1	1			20.55	22.5	0.0		
100	QPSK	1	137			21.67				
100	QPSK	1	271			21.57	22.5	0.0		
100	QPSK	135	0			21.58				
100	QPSK	135	69			21.63	22.5	0.0		
100	QPSK	135	138			21.58	22.5	0.0		
100	QPSK	270	0			21.52				
100	16QAM	1	1			21.47	22.5	0.0		
100	64QAM	1	1			21.52	22.5	0.0		
100	256QAM	1	1			20.54	22.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	633000	633332	633696	Tune-up limit (dBm)	MPR (dB)		
				3495	3499.98	3504.99				
90	QPSK	1	1	21.18	21.17	21.18	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR (dB)		
				3499.98	3504.99	3510.02				
80	QPSK	1	1	21.20	21.34	21.12	22.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	632354	633332	634332	Tune-up limit (dBm)	MPR (dB)		
				3495.01	3499.98	3514.98				
70	QPSK	1	1	21.16	21.25	21.13	22.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	632000	633332	634668	Tune-up limit (dBm)	MPR (dB)		
				3498	3499.98	3519.99				
60	QPSK	1	1	21.20	21.27	21.28	22.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR (dB)		
				3495.98	3499.98	3504.99				
50	QPSK	1	1	21.23	21.30	21.13	22.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR (dB)		
				3470.01	3499.98	3529.98				
40	QPSK	1	1	21.26	21.24	21.16	22.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	631000	633332	635668	Tune-up limit (dBm)	MPR (dB)		
				3498	3499.98	3534.99				
30	QPSK	1	1	21.30	21.06	21.20	22.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	630634	633332	635882	Tune-up limit (dBm)	MPR (dB)		
				3492.99	3499.98	3537.48				
25	QPSK	1	1	21.23	21.31	21.20	22.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR (dB)		
				3492.02	3499.98	3540				
20	QPSK	1	1	21.16	21.19	21.00	22.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	630500	633332	636166	Tune-up limit (dBm)	MPR (dB)		
				3457.5	3499.98	3542.49				
15	QPSK	1	1	21.13	21.23	21.08	22.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	630332	633332	636332	Tune-up limit (dBm)	MPR (dB)		
				3455.01	3499.98	3544.98				
10	QPSK	1	1	21.10	21.35	21.16	22.5	0.0		

Part27Q_n77_Ant 7_HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	24.56	3693.82	3693.82	25.5	0.0	
100	PQ2 BPSK	1	137	24.63					
100	PQ2 BPSK	1	271	24.59					
100	PQ2 BPSK	135	0	24.43			25.5	0.0	
100	PQ2 BPSK	135	69	24.51			25.5	0.0	
100	PQ2 BPSK	135	138	24.49			25.5	0.0	
100	PQ2 BPSK	270	0	24.51			25.5	0.0	
100	QPSK	1	1	23.65			25.5	0.0	1
100	QPSK	1	137	24.64					
100	QPSK	1	271	24.56					
100	QPSK	135	0	24.57			25.5	0.0	
100	QPSK	135	69	24.47			25.5	0.0	
100	QPSK	135	138	24.51			25.5	0.0	
100	QPSK	270	0	24.49			25.5	0.0	
100	16QAM	1	1	24.52			25.5	0.0	
100	64QAM	1	1	24.42			24.5	1.0	
100	256QAM	1	1	20.62			22.5	3.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.28	3693.82	3696.96	Tune-up limit (dBm)	KPS (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.28	3693.82	3704.99	Tune-up limit (dBm)	KPS (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.24	3693.82	3694.32	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.08	3693.82	3694.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.24	3693.82	3695.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.18	3693.82	3696.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.18	3693.82	3697.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.18	3693.82	3698.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.24	3693.82	3699.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.24	3693.82	3700.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.19	3693.82	3698.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.19	3693.82	3699.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.18	3693.82	3698.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.18	3693.82	3699.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.16	3693.82	3698.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.16	3693.82	3699.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.96	3693.82	3698.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.96	3693.82	3699.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.11	3693.82	3698.99	Tune-up limit (dBm)	MPR (dB)	

Part27O_n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	22.11	22.14	21.93	22.5	0.0	
100	PQ2 BPSK	1	137	22.12	21.99	22.02			
100	PQ2 BPSK	1	271	22.15	22.03	22.03			
100	PQ2 BPSK	135	0	22.03	21.98	22.13	22.5	0.0	
100	PQ2 BPSK	135	69	22.01	22.01	22.06	22.5	0.0	
100	PQ2 BPSK	135	138	22.02	21.97	22.15	22.5	0.0	
100	PQ2 BPSK	270	0	21.97	22.15	21.96			
100	QPSK	1	1	21.97	21.93	21.95	22.5	0.0	
100	QPSK	1	137	22.14	22.19	22.15	22.5	0.0	
100	QPSK	1	271	22.01	21.97	22.09			
100	QPSK	135	0	22.08	22.03	22.02	22.5	0.0	
100	QPSK	135	69	22.12	22.16	22.13	22.5	0.0	
100	QPSK	135	138	22.06	22.00	22.05			
100	QPSK	270	0	21.99	22.13	22.10	22.5	0.0	
100	16QAM	1	1	22.04	22.10	22.04	22.5	0.0	
100	64QAM	1	1	22.02	22.01	22.01	22.5	0.0	
100	256QAM	1	1	21.25	21.31	21.22	22.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.88	21.98	21.80	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.91	21.84	21.74	22.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.80	22.00	21.70	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.78	21.84	21.75	22.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.70	21.87	21.62	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.84	21.85	21.77	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.93	21.91	21.96	22.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.92	21.77	21.85	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.82	21.79	21.80	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.76	21.89	21.89	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.65	21.76	21.78	22.5	0.0	

Part270_n77_Ant 7_HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	24.99	24.98	25.09	25.5	0.0	
100	Pl2 BPSK	1	137	25.17	25.05	25.09			
100	Pl2 BPSK	1	271	25.01	25.04	24.93			
100	Pl2 BPSK	135	0	24.91	25.10	25.10	25.5	0.0	
100	Pl2 BPSK	135	69	24.98	25.16	25.05	25.5	0.0	
100	Pl2 BPSK	135	138	25.03	24.96	25.05	25.5	0.0	
100	Pl2 BPSK	270	0	25.15	25.04	25.06			
100	QPSK	1	1	24.25	24.25	24.32	25.5	0.0	
100	QPSK	1	137	25.13	25.22	25.15	25.5	0.0	
100	QPSK	1	271	25.00	25.10	25.10			
100	QPSK	135	0	25.04	25.01	24.90	25.5	0.0	
100	QPSK	135	69	25.06	25.15	25.15	25.5	0.0	
100	QPSK	135	138	25.00	25.07	24.91			
100	QPSK	270	0	25.03	25.13	25.07	25.5	0.0	
100	16QAM	1	1	25.03	25.07	25.00	25.5	0.0	
100	64QAM	1	1	22.91	22.98	23.09	24.5	1.0	
100	256QAM	1	1	21.91	21.29	21.40	22.5	3.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.95	24.82	24.70	25.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.83	24.82	24.70	25.5	MPR (dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.85	25.02	24.90	25.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	27.89	27.80	27.84	28.5	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	27.85	24.97	24.86	25.5	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.76	24.81	24.71	25.5	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.74	24.81	24.71	25.5	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.70	24.97	24.77	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	27.80	24.83	24.81	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	27.85	24.82	24.84	25.5	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.77	24.88	24.79	25.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.70	24.88	24.70	25.5	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.79	24.95	24.90	25.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.74	24.88	24.78	25.5	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.83	24.95	24.93	25.5	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.62	24.78	24.78	25.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.67	24.84	24.85	25.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.75	24.84	24.89	25.5	0.0	

Part27Q_n77_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3499.98									
100	PQ2 BPSK	1	1	15.90			17.0	0.0	
100	PQ2 BPSK	1	137	16.02					
100	PQ2 BPSK	1	271	16.05					
100	PQ2 BPSK	135	0	15.99			17.0	0.0	
100	PQ2 BPSK	135	69	16.05			17.0	0.0	
100	PQ2 BPSK	135	138	15.99			17.0	0.0	
100	PQ2 BPSK	270	0	15.92					
100	QPSK	1	1	15.46					
100	QPSK	1	137	16.09			17.0	0.0	
100	QPSK	1	271	16.01			17.0	0.0	
100	QPSK	135	0	15.97					
100	QPSK	135	69	16.02					
100	QPSK	135	138	15.89			17.0	0.0	
100	QPSK	270	0	16.01					
100	16QAM	1	1	15.92			17.0	0.0	
100	64QAM	1	1	16.03			17.0	0.0	
100	256QAM	1	1	16.05			17.0	0.0	
Channel									
Frequency (MHz)									
633000 633332 633666									
80	QPSK	1	1	15.82	15.79	15.85	17.0	0.0	
Channel									
Frequency (MHz)									
3496.02 3499.98 3510									
80	QPSK	1	1	15.92	15.84	15.76	17.0	0.0	
Channel									
Frequency (MHz)									
3485.01 3499.98 3514.98									
70	QPSK	1	1	15.82	15.96	15.76	17.0	0.0	
Channel									
Frequency (MHz)									
632000 633332 634666									
60	QPSK	1	1	15.74	15.99	15.70	17.0	0.0	
Channel									
Frequency (MHz)									
631668 633332 635000									
50	QPSK	1	1	15.79	15.55	15.87	17.0	0.0	
Channel									
Frequency (MHz)									
631334 633332 635332									
40	QPSK	1	1	15.67	15.87	15.94	17.0	0.0	
Channel									
Frequency (MHz)									
631000 633332 635666									
30	QPSK	1	1	15.85	15.88	15.75	17.0	0.0	
Channel									
Frequency (MHz)									
630834 633332 635832									
25	QPSK	1	1	15.69	15.66	15.94	17.0	0.0	
Channel									
Frequency (MHz)									
630668 633332 636000									
20	QPSK	1	1	16.04	15.92	16.02	17.0	0.0	
Channel									
Frequency (MHz)									
630500 633332 636166									
15	QPSK	1	1	15.52	15.95	16.90	17.0	0.0	
Channel									
Frequency (MHz)									
630334 633332 636332									
10	QPSK	1	1	15.70	15.85	15.98	17.0	0.0	

Part27Q_n77_Ant 9_HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3499.98									
100	PQ2 BPSK	1	1	16.91			20.0	0.0	
100	PQ2 BPSK	1	137	16.97					
100	PQ2 BPSK	1	271	16.04					
100	PQ2 BPSK	135	0	16.96			20.0	0.0	
100	PQ2 BPSK	135	69	16.05			20.0	0.0	
100	PQ2 BPSK	135	138	16.98			20.0	0.0	
100	PQ2 BPSK	270	0	16.95					
100	QPSK	1	1	16.42					
100	QPSK	1	137	16.08			20.0	0.0	
100	QPSK	1	271	16.91			20.0	0.0	
100	QPSK	135	0	16.92					
100	QPSK	135	69	16.91					
100	QPSK	135	138	16.96			20.0	0.0	
100	QPSK	270	0	16.98					
100	16QAM	1	1	16.08			20.0	0.0	
100	64QAM	1	1	16.86			20.0	0.0	
100	256QAM	1	1	16.11			18.0	2.0	
Channel									
Frequency (MHz)									
633000 633332 633666									
90	QPSK	1	1	16.81	16.76	16.86	20.0	0.0	
Channel									
Frequency (MHz)									
3496.02 3499.98 3504.99									
80	QPSK	1	1	16.94	16.81	16.83	20.0	0.0	
Channel									
Frequency (MHz)									
3485.01 3499.98 3514.98									
70	QPSK	1	1	16.89	16.83	16.75	20.0	0.0	
Channel									
Frequency (MHz)									
632000 633332 634666									
60	QPSK	1	1	16.86	16.90	16.81	20.0	0.0	
Channel									
Frequency (MHz)									
631668 633332 635000									
50	QPSK	1	1	16.72	16.84	16.82	20.0	0.0	
Channel									
Frequency (MHz)									
631334 633332 635332									
40	QPSK	1	1	16.66	16.87	16.79	20.0	0.0	
Channel									
Frequency (MHz)									
631000 633332 635666									
30	QPSK	1	1	16.69	16.76	16.67	20.0	0.0	
Channel									
Frequency (MHz)									
630834 633332 635832									
25	QPSK	1	1	16.75	16.78	16.70	20.0	0.0	
Channel									
Frequency (MHz)									
630668 633332 636000									
20	QPSK	1	1	16.67	16.83	16.73	20.0	0.0	
Channel									
Frequency (MHz)									
630500 633332 636166									
15	QPSK	1	1	16.62	16.93	16.90	20.0	0.0	
Channel									
Frequency (MHz)									
630334 633332 636332									
10	QPSK	1	1	16.67	16.96	16.87	20.0	0.0	

Part270_n77_Ant_9_HPUE													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
100	Pl2 BPSK	1	1	18.91	18.84	18.70	20.0	0.0					
100	Pl2 BPSK	1	137	18.76	18.79	18.76							
100	Pl2 BPSK	1	271	18.90	18.89	18.95							
100	Pl2 BPSK	135	0	18.79	18.94	18.79	20.0	0.0					
100	Pl2 BPSK	135	69	18.84	18.81	18.81	20.0	0.0					
100	Pl2 BPSK	135	138	18.84	18.74	18.91	20.0	0.0					
100	Pl2 BPSK	270	0	18.84	18.82	18.96	20.0	0.0					
100	QPSK	1	1	17.69	17.89	17.95							
100	QPSK	1	137	18.76	18.98	18.95							
100	QPSK	1	271	18.88	18.84	18.90	20.0	0.0					
100	QPSK	135	0	18.76	18.84	18.77							
100	QPSK	135	69	18.76	18.94	18.92							
100	QPSK	135	138	18.79	18.98	18.80	20.0	0.0					
100	QPSK	270	0	18.75	18.80	18.77							
100	16QAM	1	1	18.97	18.90	18.76	20.0	0.0					
100	64QAM	1	1	18.93	18.90	18.73	20.0	0.0					
100	256QAM	1	1	18.63	18.84	18.67	18.0	2.0					
Channel													
Frequency (MHz)													
80	QPSK	1	1	18.54	18.70	18.65	20.0	0.0					
Channel													
Frequency (MHz)													
80	QPSK	1	1	18.42	18.73	18.82	20.0	0.0					
Channel													
Frequency (MHz)													
70	QPSK	1	1	18.44	18.76	18.61	20.0	0.0					
Channel													
Frequency (MHz)													
60	QPSK	1	1	18.50	18.77	18.64	20.0	0.0					
Channel													
Frequency (MHz)													
50	QPSK	1	1	18.45	18.59	18.58	20.0	0.0					
Channel													
Frequency (MHz)													
40	QPSK	1	1	18.46	18.75	18.76	20.0	0.0					
Channel													
Frequency (MHz)													
30	QPSK	1	1	18.63	18.64	18.69	20.0	0.0					
Channel													
Frequency (MHz)													
25	QPSK	1	1	18.70	18.75	18.78	20.0	0.0					
Channel													
Frequency (MHz)													
20	QPSK	1	1	18.63	18.62	18.61	20.0	0.0					
Channel													
Frequency (MHz)													
15	QPSK	1	1	18.53	18.73	18.54	20.0	0.0					
Channel													
Frequency (MHz)													
10	QPSK	1	1	18.65	18.87	18.54	20.0	0.0					

Part27Q_n78_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)	MPR (db)		
Channel										
Frequency (MHz)										
100	PQ2 BPSK	1	1		633332	3499138	22.28	24.0	0.0	
100	PQ2 BPSK	1	137			22.26				
100	PQ2 BPSK	1	271			22.28				
100	PQ2 BPSK	135	0			22.37	24.0	0.0		
100	PQ2 BPSK	135	69			22.37	24.0	0.0		
100	PQ2 BPSK	135	138			22.31	24.0	0.0		
100	PQ2 BPSK	270	0			22.29	24.0	0.0		
100	QPSK	1	1		21.41					
100	QPSK	1	137		22.41					
100	QPSK	1	271		22.32		24.0	0.0		
100	QPSK	135	0		22.27		24.0	0.0		
100	QPSK	135	69		22.38					
100	QPSK	135	138		22.35					
100	16QAM	1	0		22.35		24.0	0.0		
100	64QAM	1	1		21.49		24.0	0.0		
100	256QAM	1	1		20.01		22.5	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	22.24	22.22	22.21	24.0	MPR (db)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	22.31	22.31	22.22	24.0	MPR (db)		
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.25	22.19	22.11	24.0	MPR (db)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	22.33	22.19	22.27	24.0	MPR (db)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	22.12	22.29	22.13	24.0	MPR (db)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.23	22.13	22.10	24.0	MPR (db)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.21	22.35	22.28	24.0	MPR (db)		
Channel										
Frequency (MHz)										
25	QPSK	1	1	22.11	22.38	22.17	24.0	MPR (db)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.32	22.28	22.10	24.0	MPR (db)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.11	22.34	22.12	24.0	MPR (db)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.11	22.38	22.17	24.0	MPR (db)		

Part27Q_n78_Ant 5_HPUE										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel										
Frequency (MHz)										
100	Pl2 BPSK	1	1		24.34		27.0	0.0		
100	Pl2 BPSK	1	137		25.33					
100	Pl2 BPSK	1	271		24.43					
100	Pl2 BPSK	135	0		24.62		26.5	0.5		
100	Pl2 BPSK	135	69		23.27		27.0	0.0		
100	Pl2 BPSK	135	138		24.53		26.5	0.5		
100	Pl2 BPSK	270	0		24.43		27.0	0.0		
100	QPSK	1	1		24.40		27.0	0.0		
100	QPSK	1	137		25.39					
100	QPSK	1	271		24.43					
100	QPSK	135	0		23.96		27.0	0.0		
100	QPSK	135	69		23.20		27.0	0.0		
100	QPSK	135	138		23.96		26.0	1.0		
100	QPSK	270	0		23.96		26.0	1.0		
100	16QAM	1	1		22.94		24.5	2.5		
100	64QAM	1	1		21.49		22.5	4.5		
100	256QAM	1	1		20.01		20.0	8.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	25.25	25.23	25.28	27.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	25.25	25.30	25.34	27.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	25.23	25.30	25.15	27.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	24.85	24.91	25.14	27.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	25.25	25.28	25.17	27.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	25.14	25.25	25.55	27.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	25.16	25.22	25.24	27.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	25.19	25.25	25.20	27.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	25.14	25.27	25.25	27.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	25.15	25.25	25.17	27.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	25.19	25.23	25.18	27.0	0.0		

Part270_n78_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)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	22.37					
100	PQ2 BPSK	1	137	22.33			24.0	0.0	
100	PQ2 BPSK	1	271	22.46					
100	PQ2 BPSK	135	0	22.51			24.0	0.0	
100	PQ2 BPSK	135	69	22.50			24.0	0.0	
100	PQ2 BPSK	135	138	22.39			24.0	0.0	
100	PQ2 BPSK	270	0	22.50					
100	QPSK	1	1	21.42					
100	QPSK	1	137	22.54			24.0	0.0	
100	QPSK	1	271	22.50					
100	QPSK	135	0	22.33			24.0	0.0	
100	QPSK	135	69	22.42					
100	QPSK	135	138	22.38					
100	QPSK	270	0	22.43			24.0	0.0	
100	16QAM	1	1	22.51			24.0	0.0	
100	64QAM	1	1	21.61			24.0	0.0	
100	256QAM	1	1	20.15			22.5	1.5	
Channel									
80	QPSK	1	1	649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1	3745.02	3750	3754.98	(dBm)	(dB)	
Channel									
80	QPSK	1	1	648334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1	3740.01	3750	3759.99	(dBm)	(dB)	
Channel									
70	QPSK	1	1	648000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
70	QPSK	1	1	3735	3750	3765	(dBm)	(dB)	
Channel									
60	QPSK	1	1	22.28	22.37	22.35	24.0	0.0	
Frequency (MHz)									
60	QPSK	1	1	3730.02	3750	3769.98	(dBm)	(dB)	
Channel									
60	QPSK	1	1	22.20	22.40	22.18	24.0	0.0	
Frequency (MHz)									
60	QPSK	1	1	648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
60	QPSK	1	1	3725.01	3750	3774.99	(dBm)	(dB)	
Channel									
50	QPSK	1	1	22.25	22.35	22.31	24.0	0.0	
Frequency (MHz)									
50	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
50	QPSK	1	1	3720	3750	3760	(dBm)	(dB)	
Channel									
40	QPSK	1	1	22.32	22.39	22.15	24.0	0.0	
Frequency (MHz)									
40	QPSK	1	1	647666	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
40	QPSK	1	1	3715.02	3750	3764.98	(dBm)	(dB)	
Channel									
30	QPSK	1	1	22.29	22.27	22.25	24.0	0.0	
Frequency (MHz)									
30	QPSK	1	1	647500	650000	652500	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
30	QPSK	1	1	3712.5	3750	3767.5	(dBm)	(dB)	
Channel									
25	QPSK	1	1	22.20	22.24	22.16	24.0	0.0	
Frequency (MHz)									
25	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
25	QPSK	1	1	3710.01	3750	3769.99	(dBm)	(dB)	
Channel									
20	QPSK	1	1	22.20	22.36	22.22	24.0	0.0	
Frequency (MHz)									
20	QPSK	1	1	647166	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
20	QPSK	1	1	3707.52	3750	3792.48	(dBm)	(dB)	
Channel									
15	QPSK	1	1	22.35	22.37	22.24	24.0	0.0	
Frequency (MHz)									
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
15	QPSK	1	1	3705	3750	3795	(dBm)	(dB)	
Channel									
10	QPSK	1	1	22.39	22.32	22.29	24.0	0.0	

Part270_n78_Ant 5_HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	24.43					
100	Pl2 BPSK	1	137	25.43			27.0	0.0	
100	Pl2 BPSK	1	271	24.44					
100	Pl2 BPSK	135	0	24.73			26.5	0.5	
100	Pl2 BPSK	135	69	25.34			27.0	0.0	
100	Pl2 BPSK	135	138	24.58			26.5	0.5	
100	Pl2 BPSK	270	0	24.55					
100	QPSK	1	1	24.47					
100	QPSK	1	137	25.48			27.0	0.0	
100	QPSK	1	271	24.34					
100	QPSK	135	0	24.09			27.0	0.0	
100	QPSK	135	69	25.30					
100	QPSK	135	138	23.92					
100	QPSK	270	0	24.03			26.0	1.0	
100	16QAM	1	1	23.12			26.0	1.0	
100	64QAM	1	1	21.61			24.5	2.5	
100	256QAM	1	1	20.15			22.5	4.5	
Channel									
90	QPSK	1	1	649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
90	QPSK	1	1	3745.02	3750	3754.98	(dBm)	(dB)	
Channel									
80	QPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1	3740.01	3750	3759.99	(dBm)	(dB)	
Channel									
70	QPSK	1	1	25.27	25.30	25.23	27.0	0.0	
Frequency (MHz)									
70	QPSK	1	1	25.27	25.30	25.23	27.0	0.0	
Channel									
60	QPSK	1	1	648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
60	QPSK	1	1	3740.02	3750	3749.98	(dBm)	(dB)	
Channel									
50	QPSK	1	1	25.26	25.32	25.22	27.0	0.0	
Frequency (MHz)									
50	QPSK	1	1	648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
50	QPSK	1	1	3735.01	3750	3744.99	(dBm)	(dB)	
Channel									
40	QPSK	1	1	25.20	25.41	25.31	27.0	0.0	
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
40	QPSK	1	1	3720	3750	3760	(dBm)	(dB)	
Channel									
30	QPSK	1	1	25.27	25.33	25.23	27.0	0.0	
Frequency (MHz)									
30	QPSK	1	1	647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
30	QPSK	1	1	3715.02	3750	3744.98	(dBm)	(dB)	
Channel									
25	QPSK	1	1	25.29	25.28	25.23	27.0	0.0	
Frequency (MHz)									
25	QPSK	1	1	647500	650000	652500	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
25	QPSK	1	1	3712.5	3750	3747.5	(dBm)	(dB)	
Channel									
20	QPSK	1	1	25.32	25.30	25.20	27.0	0.0	
Frequency (MHz)									
20	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
20	QPSK	1	1	3710.01	3750	3769.99	(dBm)	(dB)	
Channel									
15	QPSK	1	1	25.26	25.38	25.22	27.0	0.0	
Frequency (MHz)									
15	QPSK	1	1	647166	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
15	QPSK	1	1	3707.52	3750	3792.48	(dBm)	(dB)	
Channel									
10	QPSK	1	1	25.34	25.42	25.23	27.0	0.0	
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
10	QPSK	1	1	3705	3750	3795	(dBm)	(dB)	
Channel									
10	QPSK	1	1	25.33	25.44	25.26	27.0	0.0	

Part27Q_n78_Ant 3_HPUE										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				3499.98			22.5	0.0		
100	PQ2 BPSK	1	1	20.43						
100	PQ2 BPSK	1	137	21.13			22.0	0.5		
100	PQ2 BPSK	1	271	20.35						
100	PQ2 BPSK	135	0	20.62			22.5	0.0		
100	PQ2 BPSK	135	69	21.20						
100	PQ2 BPSK	135	138	20.48			22.0	0.5		
100	PQ2 BPSK	270	0	20.50						
100	QPSK	1	1	20.43			22.5	0.0		
100	QPSK	1	137	21.24						
100	QPSK	1	271	20.24			22.5	0.0		
100	QPSK	135	0	20.04						
100	QPSK	135	69	21.17			22.5	0.0		
100	QPSK	135	138	19.91						
100	QPSK	270	0	20.07			21.5	1.0		
100	16QAM	1	1	19.23						
100	16QAM	1	1	17.70			21.5	1.0		
100	256QAM	1	1	16.21						
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3499.98	3504.99	(dB)			
80	QPSK	1	1	20.93	21.07	21.09	22.5	0.0		
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3496.02	3499.98	3510	(dB)			
80	QPSK	1	1	20.94	21.10	21.05	22.5	0.0		
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)			
70	QPSK	1	1	21.02	21.02	21.07	22.5	0.0		
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3499.98	3516.99	(dB)			
60	QPSK	1	1	20.99	21.08	21.00	22.5	0.0		
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3499.98	3525	(dB)			
50	QPSK	1	1	20.97	21.00	20.96	22.5	0.0		
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)			
40	QPSK	1	1	21.00	20.99	21.00	22.5	0.0		
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3499.98	3534.99	(dB)			
30	QPSK	1	1	20.80	21.00	20.99	22.5	0.0		
Channel				630634	633332	635832	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3462.51	3499.98	3537.45	(dB)			
25	QPSK	1	1	20.59	20.99	21.05	22.5	0.0		
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3499.98	3540	(dB)			
20	QPSK	1	1	21.00	21.04	21.04	22.5	0.0		
Channel				630330	633332	636166	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3499.98	3542.49	(dB)			
15	QPSK	1	1	21.02	20.98	20.97	22.5	0.0		
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3454.01	3499.98	3544.99	(dB)			
10	QPSK	1	1	21.02	20.94	20.99	22.5	0.0		

Part27O_n78_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				3750			19.5	0.0		
100	PQ2 BPSK	1	1	18.35						
100	PQ2 BPSK	1	137	18.42			19.5	0.0		
100	PQ2 BPSK	1	271	18.49						
100	PQ2 BPSK	135	0	18.40			19.5	0.0		
100	PQ2 BPSK	135	69	18.47						
100	PQ2 BPSK	135	138	18.44			19.5	0.0		
100	PQ2 BPSK	270	0	18.41						
100	QPSK	1	1	17.55			19.5	0.0		
100	QPSK	1	137	18.55						
100	QPSK	1	271	18.51			19.5	0.0		
100	QPSK	135	0	18.30						
100	QPSK	135	69	18.50			19.5	0.0		
100	QPSK	135	138	18.35						
100	QPSK	270	0	18.45			19.5	0.0		
100	16QAM	1	1	18.32						
100	64QAM	1	1	17.27			19.5	0.0		
100	256QAM	1	1	15.88						
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3754.98	(dB)			
90	QPSK	1	1	18.17	18.33	18.20	19.5	0.0		
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3759.99	(dB)			
80	QPSK	1	1	18.22	18.31	18.19	19.5	0.0		
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765	(dB)			
70	QPSK	1	1	18.31	18.10	18.07	19.5	0.0		
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.02	3750	3761.98	(dB)			
60	QPSK	1	1	18.20	18.18	18.11	19.5	0.0		
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3774.99	(dB)			
50	QPSK	1	1	18.19	18.20	18.16	19.5	0.0		
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780	(dB)			
40	QPSK	1	1	18.15	18.25	18.14	19.5	0.0		
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3784.98	(dB)			
30	QPSK	1	1	18.31	18.38	18.09	19.5	0.0		
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3712.5	3750	3787.5	(dB)			
25	QPSK	1	1	18.29	18.20	18.08	19.5	0.0		
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3786.99	(dB)			
20	QPSK	1	1	18.14	18.17	18.14	19.5	0.0		
Channel				647166	650000	652832	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.48	(dB)			
15	QPSK	1	1	18.23	18.33	18.09	19.5	0.0		
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795	(dB)			
10	QPSK	1	1	18.28	18.36	18.11	19.5	0.0		

Part270_n78_Ant 3_HPUE										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				3750						
100	PB2 BPSK	1	1	21.26	21.26	21.50	22.5			
100	PB2 BPSK	1	137	21.26	21.26	21.50	22.5	0.0		
100	PB2 BPSK	1	271	21.26	20.53	20.53	22.5			
100	PB2 BPSK	135	0	20.64	20.64	20.64	22.0	0.5		
100	PB2 BPSK	135	69	21.26	21.26	21.26	22.5	0.0		
100	PB2 BPSK	135	136	20.62	20.62	20.62	22.0	0.5		
100	PB2 BPSK	270	0	20.48	20.48	20.48	22.0			
100	QPSK	1	1	20.51	20.51	20.51	22.5			
100	QPSK	1	137	21.47	21.47	21.47	22.5	0.0		
100	QPSK	1	271	20.37	20.37	20.37	22.5			
100	QPSK	135	0	19.89	19.89	19.89	22.5			
100	QPSK	135	69	21.17	21.17	21.17	22.5	0.0		
100	QPSK	135	136	19.93	19.93	19.93	22.5			
100	QPSK	270	0	20.06	20.06	20.06	21.5	1.0		
100	16QAM			18.89	18.89	18.89	21.5	1.0		
100	64QAM			17.27	17.27	17.27	20.0	2.5		
100	256QAM			15.88	15.88	15.88	18.0	4.5		
Channel				64666	65000	65032	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3760.02	3750	3764.98				
90	QPSK	1	1	21.16	21.25	21.16	22.5	0.0		
Channel				646334	650000	650666	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3761.01	3750	3764.99				
80	QPSK	1	1	21.22	21.27	21.19	22.5	0.0		
Channel				646900	650000	651000	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765				
70	QPSK	1	1	21.25	21.18	21.13	22.5	0.0		
Channel				646950	650000	651352	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3750	3769.98				
60	QPSK	1	1	21.11	21.20	21.15	22.5	0.0		
Channel				646334	650000	651666	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3765.01	3750	3764.99				
50	QPSK	1	1	21.25	21.18	21.12	22.5	0.0		
Channel				646900	650000	652000	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780				
40	QPSK	1	1	21.20	21.26	21.07	22.5	0.0		
Channel				647600	650000	652352	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.02	3750	3764.98				
30	QPSK	1	1	21.24	21.28	21.17	22.5	0.0		
Channel				647500	650000	652900	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3712.24	3750	3787.15				
25	QPSK	1	1	21.23	21.20	21.14	22.5	0.0		
Channel				647354	650000	652666	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3789.99				
20	QPSK	1	1	21.16	21.25	21.03	22.5	0.0		
Channel				647168	650000	652832	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.48				
15	QPSK	1	1	21.21	21.26	21.18	22.5	0.0		
Channel				647000	650000	653300	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795				
10	QPSK	1	1	21.24	21.23	21.15	22.5	0.0		

Part27Q_n78_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				3499.98		633332			
100	PQ2 BPSK	1	1	22.86					
100	PQ2 BPSK	1	137	22.99			24.0	0.0	
100	PQ2 BPSK	1	271	23.04					
100	PQ2 BPSK	135	0	23.01			24.0	0.0	
100	PQ2 BPSK	135	69	23.05			24.0	0.0	
100	PQ2 BPSK	135	138	22.98			24.0	0.0	
100	PQ2 BPSK	270	0	22.83					
100	QPSK	1	1	22.06					
100	QPSK	1	137	23.06			24.0	0.0	
100	QPSK	1	271	23.00					
100	QPSK	135	0	22.98			24.0	0.0	
100	QPSK	135	69	23.00					
100	QPSK	135	138	22.88					
100	QPSK	270	0	22.94			24.0	0.0	
100	16QAM	1	1	23.05			24.0	0.0	
100	64QAM	1	1	22.03			24.0	0.0	
100	256QAM	1	1	20.55			22.5	1.5	
Channel									
Frequency (MHz)				633000	633332	633668	Tune-up limit (dbm)	MPR (db)	
80	QPSK	1	1	22.81	22.82	22.67	24.0	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dbm)	MPR (db)	
80	QPSK	1	1	22.83	22.99	22.58	24.0	0.0	
Channel									
Frequency (MHz)				3485.01	3499.98	3514.98	Tune-up limit (dbm)	MPR (db)	
70	QPSK	1	1	22.89	22.80	22.57	24.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634668	Tune-up limit (dbm)	MPR (db)	
60	QPSK	1	1	22.87	22.88	22.76	24.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dbm)	MPR (db)	
50	QPSK	1	1	22.57	23.00	22.80	24.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dbm)	MPR (db)	
40	QPSK	1	1	22.89	22.98	22.74	24.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635668	Tune-up limit (dbm)	MPR (db)	
30	QPSK	1	1	22.90	22.87	22.77	24.0	0.0	
Channel									
Frequency (MHz)				630634	633332	635832	Tune-up limit (dbm)	MPR (db)	
25	QPSK	1	1	22.57	22.94	22.95	24.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dbm)	MPR (db)	
20	QPSK	1	1	22.57	22.78	22.81	24.0	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dbm)	MPR (db)	
15	QPSK	1	1	22.85	22.76	22.75	24.0	0.0	
Channel									
Frequency (MHz)				630000	633332	636668	Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	1	22.88	22.81	22.70	24.0	0.0	

Part27Q_n78_Ant 7_HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				3499.98		633332			
100	PQ2 BPSK	1	1	24.05					
100	PQ2 BPSK	1	137	25.95			27.0	0.0	
100	PQ2 BPSK	1	271	26.60					
100	PQ2 BPSK	135	0	24.96			26.5	0.5	
100	PQ2 BPSK	135	69	25.75			27.0	0.0	
100	PQ2 BPSK	135	138	25.21			26.5	0.5	
100	PQ2 BPSK	270	0	26.02					
100	QPSK	1	1	24.85					
100	QPSK	1	137	26.01			27.0	0.0	
100	QPSK	1	271	25.29					
100	QPSK	135	0	24.31			27.0	0.0	
100	QPSK	135	69	25.50					
100	QPSK	135	138	24.53					
100	QPSK	270	0	24.30			26.0	1.0	
100	16QAM	1	1	23.93			26.0	1.0	
100	64QAM	1	1	21.93			24.5	2.5	
100	256QAM	1	1	20.45			22.5	4.5	
Channel									
Frequency (MHz)				633000	633332	633668	Tune-up limit (dbm)	MPR (db)	
90	QPSK	1	1	25.78	25.80	25.69	27.0	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dbm)	MPR (db)	
80	QPSK	1	1	25.83	25.92	25.65	27.0	0.0	
Channel									
Frequency (MHz)				3485.01	3499.98	3514.98	Tune-up limit (dbm)	MPR (db)	
70	QPSK	1	1	25.80	25.88	25.67	27.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634668	Tune-up limit (dbm)	MPR (db)	
60	QPSK	1	1	25.88	25.88	25.75	27.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dbm)	MPR (db)	
50	QPSK	1	1	25.39	25.80	25.76	27.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dbm)	MPR (db)	
40	QPSK	1	1	25.79	25.90	25.75	27.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635668	Tune-up limit (dbm)	MPR (db)	
30	QPSK	1	1	25.85	25.84	25.70	27.0	0.0	
Channel									
Frequency (MHz)				630634	633332	635832	Tune-up limit (dbm)	MPR (db)	
25	QPSK	1	1	25.78	25.85	25.65	27.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dbm)	MPR (db)	
20	QPSK	1	1	25.88	25.81	25.75	27.0	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dbm)	MPR (db)	
15	QPSK	1	1	25.81	25.81	25.76	27.0	0.0	
Channel									
Frequency (MHz)				630000	633332	636668	Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	1	25.76	25.76	25.72	27.0	0.0	

Part270_n78_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750		650000			
100	Pl2 BPSK	1	1	23.44					
100	Pl2 BPSK	1	137	23.45			24.0	0.0	
100	Pl2 BPSK	1	271	23.28					
100	Pl2 BPSK	135	0	23.50			24.0	0.0	
100	Pl2 BPSK	135	69	23.33			24.0	0.0	
100	Pl2 BPSK	135	138	23.29			24.0	0.0	
100	Pl2 BPSK	270	0	23.53					
100	QPSK	1	1	22.58					
100	QPSK	1	137	23.54			24.0	0.0	
100	QPSK	1	271	23.39					
100	QPSK	135	0	23.45			24.0	0.0	
100	QPSK	135	69	23.47			24.0	0.0	
100	QPSK	135	138	23.44					
100	QPSK	270	0	23.42			24.0	0.0	
100	16QAM	1	1	23.33			24.0	0.0	
100	64QAM	1	1	22.61			24.0	0.0	
100	256QAM	1	1	21.12			22.5	1.5	
Channel				65950	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	23.08	23.19	23.08	24.0	0.0	
Channel				648334	650000	650066	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3752.81	3750	3750.80			
80	QPSK	1	1	23.29	23.25	23.22	24.0	0.0	
Channel				648900	650000	651000	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	23.28	23.40	23.31	24.0	0.0	
Channel				648600	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	23.26	23.23	23.20	24.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.81	3750	3774.99			
50	QPSK	1	1	23.09	23.16	23.22	24.0	0.0	
Channel				648800	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.05	23.16	23.18	24.0	0.0	
Channel				647600	650000	652532	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3719.02	3750	3780.98			
30	QPSK	1	1	23.19	23.33	23.09	24.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.4	3750	3781.5			
25	QPSK	1	1	23.09	23.23	23.21	24.0	0.0	
Channel				647534	650000	650666	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	23.17	23.31	23.18	24.0	0.0	
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	23.28	23.19	23.34	24.0	0.0	
Channel				651000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	23.32	23.23	23.35	24.0	0.0	

Part270_n78_Ant 7 HPUE							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	MPR (dB)
Channel							
Frequency (MHz)				3750			
100	QPSK	1	1	26.83			
100	QPSK	1	1	26.84			
100	QPSK	1	1	25.96		27.0	0.0
100	QPSK	135	0	25.94		26.5	0.5
100	QPSK	135	69	26.39		27.0	0.0
100	QPSK	135	138	25.94		26.5	0.5
100	QPSK	270	0	25.79		26.5	0.5
100	QPSK	1	1	25.66			
100	QPSK	1	137	26.44		27.0	0.0
100	QPSK	1	271	25.94			
100	QPSK	135	0	25.23			
100	QPSK	135	69	26.18		27.0	0.0
100	QPSK	135	138	25.29			
100	QPSK	270	0	25.08		26.0	1.0
100	16QAM	1	1	26.26		26.0	1.0
100	64QAM	1	1	22.61		24.5	2.5
100	256QAM	1	1	21.12		22.5	4.5
Channel							
Frequency (MHz)				66096	65000	65032	Time-up limit (dBm)
				3750	3750	3750	MPR (dB)
90	QPSK	1	1	26.15	26.26	26.16	27.0
Channel				660934	65000	65066	Time-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
				3750	3750	3750	MPR (dB)
80	QPSK	1	1	26.22	26.26	26.25	27.0
Channel				660900	65000	65100	Time-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
				26.20	26.32	26.23	27.0
70	QPSK	1	1	26.20	26.32	26.23	27.0
Channel				660958	65000	65132	Time-up limit
Frequency (MHz)				3750.02	3750	3750.98	(dBm)
				26.26	26.26	26.26	27.0
60	QPSK	1	1	26.11	26.26	26.20	27.0
Channel				660934	65000	65166	Time-up limit
Frequency (MHz)				3728.01	3750	3772.99	(dBm)
				26.20	26.26	26.20	27.0
50	QPSK	1	1	25.17	26.20	26.18	27.0
Channel				660800	65000	65200	Time-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
				26.15	26.21	26.18	27.0
40	QPSK	1	1	26.15	26.21	26.18	27.0
Channel				661768	65000	65232	Time-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
				26.20	26.27	26.18	27.0
30	QPSK	1	1	26.20	26.27	26.18	27.0
Channel				664700	65000	65290	Time-up limit
Frequency (MHz)				3712.01	3750	3792.99	(dBm)
				26.17	26.25	26.10	27.0
25	QPSK	1	1	26.17	26.25	26.10	27.0
Channel				664734	65000	65266	Time-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
				26.22	26.22	26.16	27.0
20	QPSK	1	1	26.22	26.22	26.16	27.0
Channel				664762	65000	65292	Time-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
				26.19	26.24	26.27	27.0
15	QPSK	1	1	26.19	26.24	26.27	27.0
Channel				664700	65000	65300	Time-up limit
Frequency (MHz)				3710	3750	3790	(dBm)

Part27Q_n58_Ant_9								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)
Channel								
					633332			
Frequency (MHz)								
100	PQ2 BPSK	1	1	18.40	3459.98			
100	PQ2 BPSK	1	1	18.48			19.5	0.0
100	PQ2 BPSK	1	271	19.34				
100	PQ2 BPSK	135	0	18.46			19.5	0.0
100	PQ2 BPSK	135	69	18.34			19.5	0.0
100	PQ2 BPSK	135	138	18.22			19.5	0.0
100	PQ2 BPSK	270	0	19.46			19.5	0.0
100	QPSK	1	1	17.97				
100	QPSK	1	1	18.06			19.5	0.0
100	QPSK	1	271					
100	QPSK	135	0	18.41				
100	QPSK	135	69	18.43			19.5	0.0
100	QPSK	135	138	18.36				
100	QPSK	270	0	18.42			19.5	0.0
100	16QAM	1	1	18.47			19.5	0.0
100	64QAM	1	1	18.05			19.5	0.0
100	256QAM	1	1	18.51			18.0	1.5
Channel								
				633000	633332	633666	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)								
90	QPSK	1	1	18.26	18.41	18.20	19.5	0.0
Channel								
				632608	633332	634000	Time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3460.02	3469.98	3510	Time-up limit (dBm)	MPR (dB)
Channel								
				632334	633332	634332	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)								
70	QPSK	1	1	18.23	18.38	18.22	19.5	0.0
Channel								
				632000	633332	634000	Time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3430	3469.98	3519.96	Time-up limit (dBm)	MPR (dB)
60	QPSK	1	1	38.25	38.25	38.30	19.5	0.0
Channel								
				631668	633332	635000	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)								
50	QPSK	1	1	3476.02	3499.98	3520	Time-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.21	18.43	18.20	19.5	0.0
Channel								
				631334	633332	635332	Time-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3470.01	3499.98	3526.98	Time-up limit (dBm)	MPR (dB)
Channel								
				631000	633332	635500	Time-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.24	18.46	18.18	19.5	0.0
Channel								
				630804	633332	635892	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)								
25	QPSK	1	1	3462.61	3499.98	3537.64	Time-up limit (dBm)	MPR (dB)
25	QPSK	1	1	18.22	18.25	18.41	19.5	0.0
Channel								
				630608	633332	636000	Time-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.22	18.21	18.26	19.5	0.0
Channel								
				632503	633332	634500	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3457.5	3499.98	3542.49	Time-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.08	18.43	18.39	19.5	0.0
Channel								
				630334	633332	636332	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	3448.61	3499.98	3544.64	Time-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.04	18.48	18.37	19.5	0.0

Part27Q_n78_Ant 9_HPUE								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
	Frequency (MHz)				3699.98			
100	P12 BPSK	1	1	21.25	21.43		22.5	0.0
100	P12 BPSK	1	137	20.32	20.32			
100	P12 BPSK	1	271	20.32	20.32			
100	P12 BPSK	135	0	20.88	20.88		22.0	0.5
100	P12 BPSK	135	69	21.35	21.35		22.5	0.0
100	P12 BPSK	135	138	20.72	20.72		22.0	0.5
100	P12 BPSK	270	0	20.72	20.72		22.0	0.5
100	QPSK	1	1	20.84	21.37			
100	QPSK	1	137	21.45	21.45		22.5	0.0
100	QPSK	1	271	20.33	20.33			
100	QPSK	135	0	20.33	20.33			
100	QPSK	135	69	21.37	21.37		22.5	0.0
100	QPSK	135	138	20.01	20.01		22.5	1.0
100	QPSK	270	0	19.53	19.53		21.5	1.0
100	16QAM	1	1	18.05	18.05		20.0	2.5
100	64QAM	1	1	18.05	18.05		20.0	1.0
100	256QAM	1	1	18.51	18.51		18.0	4.5
Channel								
	Frequency (MHz)			63300	63332	63366	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.32	21.35	21.27	22.5	0.0
Channel								
	Frequency (MHz)			63668	63332	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.31	21.32	21.25	22.5	0.0
Channel								
	Frequency (MHz)			63912	3699.98	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.29	21.29	21.25	22.5	0.0
Channel								
	Frequency (MHz)			64256	63933	63432	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.29	21.29	21.25	22.5	0.0
Channel								
	Frequency (MHz)			64500	3699.98	3519.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.25	21.34	21.30	22.5	0.0
Channel								
	Frequency (MHz)			64668	63332	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.25	21.28	21.25	22.5	0.0
Channel								
	Frequency (MHz)			64912	3699.98	3519.98	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.25	21.37	21.33	22.5	0.0
Channel								
	Frequency (MHz)			65134	63332	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.45	21.47	21.33	22.5	0.0
Channel								
	Frequency (MHz)			65378	63332	63566	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.46	21.49	21.35	22.5	0.0
Channel								
	Frequency (MHz)			65622	3699.98	3534.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.24	21.30	21.25	22.5	0.0
Channel								
	Frequency (MHz)			65854	63332	63582	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.24	21.28	21.25	22.5	0.0
Channel								
	Frequency (MHz)			66098	3699.98	3537.98	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.21	21.25	21.31	22.5	0.0
Channel								
	Frequency (MHz)			66368	63332	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.26	21.28	21.26	22.5	0.0
Channel								
	Frequency (MHz)			66622	63332	63810	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.18	21.42	21.32	22.5	0.0
Channel								
	Frequency (MHz)			67034	63332	63832	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.18	21.40	21.38	22.5	0.0

Part270_n78_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	18.24					
100	Pl2 BPSK	1	137	18.16			19.5	0.0	
100	Pl2 BPSK	1	271	18.28					
100	Pl2 BPSK	135	0	18.32			19.5	0.0	
100	Pl2 BPSK	135	69	18.33			19.5	0.0	
100	Pl2 BPSK	135	138	18.27			19.5	0.0	
100	Pl2 BPSK	270	0	18.29					
100	QPSK	1	1	17.52					
100	QPSK	1	137	18.37			19.5	0.0	
100	QPSK	1	271	18.18					
100	QPSK	135	0	18.20			19.5	0.0	
100	QPSK	135	69	18.33					
100	QPSK	135	138	18.28					
100	QPSK	270	0	18.32			19.5	0.0	
100	16QAM	1	1	18.25			19.5	0.0	
100	16QAM	1	1	17.22			19.5	0.0	
100	256QAM	1	1	15.71			18.0	1.5	
Channel				649968	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3757.98	(dBm)	(dB)	
90	QPSK	1	1	18.10	18.15	18.08	19.5	0.0	
Channel				648334	650000	650968	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	18.21	18.11	18.03	19.5	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	18.12	18.28	18.12	19.5	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3750	3760.98	(dBm)	(dB)	
60	QPSK	1	1	18.24	18.09	17.98	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	18.01	18.08	17.99	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	18.24	18.04	18.09	19.5	0.0	
Channel				647968	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	18.15	18.13	18.10	19.5	0.0	
Channel				647500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	18.13	18.17	17.96	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	18.17	18.24	18.10	19.5	0.0	
Channel				647168	650000	652832	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	18.05	18.19	18.11	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	18.00	18.15	18.12	19.5	0.0	

Part270_n78_Ant 9_HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	20.23					
100	Pl2 BPSK	1	137	21.25			22.5	0.0	
100	Pl2 BPSK	1	271	20.35					
100	Pl2 BPSK	135	0	20.40			22.0	0.5	
100	Pl2 BPSK	135	69	21.14			22.5	0.0	
100	Pl2 BPSK	135	138	20.45			22.0	0.5	
100	Pl2 BPSK	270	0	19.58					
100	QPSK	1	1	20.34					
100	QPSK	1	137	21.30			22.5	0.0	
100	QPSK	1	271	20.24					
100	QPSK	135	0	19.68			22.5	0.0	
100	QPSK	135	69	21.11					
100	QPSK	135	138	19.74					
100	QPSK	270	0	20.24			21.5	1.0	
100	16QAM	1	1	18.74			21.5	1.0	
100	16QAM	1	1	17.21			20.0	2.5	
100	256QAM	1	1	15.70			18.0	4.5	
Channel				649968	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3757.98	(dBm)	(dB)	
90	QPSK	1	1	21.10	21.15	21.10	22.5	0.0	
Channel				648334	650000	650968	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	21.18	21.19	21.07	22.5	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	21.20	21.21	21.13	22.5	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3750	3760.98	(dBm)	(dB)	
60	QPSK	1	1	21.19	21.14	21.01	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	21.11	21.14	21.02	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.15	21.13	21.03	22.5	0.0	
Channel				647968	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	21.06	21.17	21.04	22.5	0.0	
Channel				647500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	21.11	21.13	21.05	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	21.19	21.17	21.01	22.5	0.0	
Channel				647168	650000	652832	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	21.08	21.18	21.12	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	21.04	21.22	21.15	22.5	0.0	

Spot check Power

GSM850_Ant 0_Default				Frame-Average Power (dBm)			
Tx Channel	128	189	251	Limit	128	189	251
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GPRS 4 Tx slots	28.57	28.64	28.59	30.50	25.57	25.64	25.59
							27.50

GSM850_Ant 0_Rec on				Frame-Average Power (dBm)			
Tx Channel	128	189	251	Limit	128	189	251
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GPRS 4 Tx slots	28.57	28.64	28.59	30.50	25.57	25.64	25.59
							27.50

GSM850_Ant 0_Hotspot on				Frame-Average Power (dBm)			
Tx Channel	128	189	251	Limit	128	189	251
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GPRS 4 Tx slots	27.76	27.77	27.72	29.50	24.75	24.77	24.72
							26.50

GSM850_Ant 0_Handheld				Frame-Average Power (dBm)			
Tx Channel	128	189	251	Limit	128	189	251
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GPRS 4 Tx slots	28.57	28.64	28.59	30.50	25.57	25.64	25.59
							27.50

GSM850_Ant 0_Sensor on				Frame-Average Power (dBm)			
Tx Channel	128	189	251	Limit	128	189	251
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GPRS 4 Tx slots	27.76	27.77	27.72	29.50	24.75	24.77	24.72
							26.50

GSM850_Ant 0_Sensor OFF				Frame-Average Power (dBm)			
Tx Channel	128	189	251	Limit	128	189	251
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GPRS 3 Tx slots	28.57	28.64	28.59	30.50	25.57	25.64	25.59
							27.50

GSM1900_Ant 1_Default				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	128	189	251
Frequency (MHz)	1850.2	1860	1900.8	(dBm)	824.2	836.4	848.8
GPRS 4 Tx slots	25.55	25.66	25.59	27.50	22.55	22.66	22.59
							24.50

GSM1900_Ant 1_Rec on				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	128	189	251
Frequency (MHz)	1850.2	1860	1900.8	(dBm)	824.2	836.4	848.8
GPRS 4 Tx slots	25.55	25.66	25.59	27.50	22.55	22.66	22.59
							24.50

GSM1900_Ant 1_Hotspot on				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	128	189	251
Frequency (MHz)	1850.2	1860	1900.8	(dBm)	824.2	836.4	848.8
GPRS 4 Tx slots	22.23	22.25	22.22	24.00	19.23	19.25	19.22
							21.00

GSM1900_Ant 1_Handheld				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	128	189	251
Frequency (MHz)	1850.2	1860	1900.8	(dBm)	824.2	836.4	848.8
GPRS 4 Tx slots	24.60	24.61	24.59	26.50	21.60	21.61	21.59
							23.50

GSM1900_Ant 1_Sensor on				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	128	189	251
Frequency (MHz)	1850.2	1860	1900.8	(dBm)	824.2	836.4	848.8
GPRS 4 Tx slots	23.64	23.71	23.68	25.50	20.64	20.71	20.68
							22.50

GSM1900_Ant 1_Sensor OFF				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	128	189	251
Frequency (MHz)	1850.2	1860	1900.8	(dBm)	824.2	836.4	848.8
GPRS 3 Tx slots	25.55	25.66	25.59	27.50	22.55	22.66	22.59
							24.50

Band				WCDMA V_Ant 0_Default			
Tx Channel	9262	9400	9538	Limit	4132	4192	4233
Rx Channel	9662	9800	9938	(dBm)	4357	4407	4458
Frequency (MHz)	1825.4	1860	1907.6		824.2	836.4	848.8
3GPP Ref 98	22.57	22.61	22.77	24.00	22.59	22.64	22.53
							24.00

Band				WCDMA V_Ant 0_Rec on			
Tx Channel	9262	9400	9538	Limit	4132	4192	4233
Rx Channel	9662	9800	9938	(dBm)	4357	4407	4458
Frequency (MHz)	1825.4	1860	1907.6		824.2	836.4	848.8
3GPP Ref 98	22.57	22.61	22.77	24.00	22.59	22.64	22.53
							24.00

Band				WCDMA V_Ant 0_Hotspot on			
Tx Channel	9262	9400	9538	Limit	4132	4192	4233
Rx Channel	9662	9800	9938	(dBm)	4357	4407	4458
Frequency (MHz)	1825.4	1860	1907.6		824.2	836.4	848.8
3GPP Ref 98	18.27	18.26	18.26	19.50	22.59	22.64	22.53
							24.00

Band				WCDMA V_Ant 0_Handheld			
Tx Channel	9262	9400	9538	Limit	4132	4192	4233
Rx Channel	9662	9800	9938	(dBm)	4357	4407	4458
Frequency (MHz)	1825.4	1860	1907.6		824.2	836.4	848.8
3GPP Ref 98	20.87	20.95	20.90	22.00	22.59	22.64	22.53
							24.00

Band				WCDMA V_Ant 0_Sensor on			
Tx Channel	9262	9400	9538	Limit	4132	4192	4233
Rx Channel	9662	9800	9938	(dBm)	4357	4407	4458
Frequency (MHz)	1825.4	1860	1907.6		824.2	836.4	848.8
3GPP Ref 98	19.23	19.26	19.24	20.50	22.59	22.64	22.53
							24.00

Band				WCDMA V_Ant 0_Sensor OFF			
Tx Channel	9262	9400	9538	Limit	4132	4192	4233
Rx Channel	9662	9800	9938	(dBm)	4357	4407	4458
Frequency (MHz)	1825.4	1860	1907.6		824.2	836.4	848.8
3GPP Ref 98	22.57	22.61	22.77	24.00	22.59	22.64	22.53
							24.00

Band 2_Ant 1_Default									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18700	18900	1900			
20	QPSK	1	0	22.53	22.68	22.56	24	0	
20	QPSK	50	0	21.60	21.65	21.61	23	1	

Band 2_Ant 1_Rec on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18700	18900	1900			
20	QPSK	1	0	22.53	22.68	22.56	24	0	
20	QPSK	50	0	21.60	21.65	21.61	23	1	

Band 2_Ant 1_Hotspot on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18700	18900	1900			
20	QPSK	1	0	18.55	18.59	18.58	20	0	
20	QPSK	50	0	17.50	17.56	17.50	19	1	

Band 2_Ant 1_Handheld on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18700	18900	1900			
20	QPSK	1	0	21.25	21.25	21.27	22.5	0	
20	QPSK	50	0	20.30	20.35	20.21	21.5	1	

Band 2_Ant 1_Sensor on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18700	18900	1900			
20	QPSK	1	0	19.03	19.17	19.06	20.5	0	
20	QPSK	50	0	17.93	18.10	17.96	19.5	1	

Band 2_Ant 1_Sensor off									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18700	18900	1900			
20	QPSK	1	0	22.53	22.68	22.56	24	0	
20	QPSK	50	0	21.60	21.65	21.61	23	1	

Band 7_Ant 1_Default									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	49	22.50	22.59	22.55	24	0	
20	QPSK	50	0	21.50	21.58	21.55	23	1	

Band 7_Ant 1_Rec on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	22.50	22.59	22.55	24	0	
20	QPSK	50	0	21.50	21.58	21.55	23	1	

Band 7_Ant 1_Hotspot on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	18.98	19.12	19.10	20.5	0	
20	QPSK	50	0	17.75	17.87	17.85	19.5	1	

Band 7_Ant 1_Handheld on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	20.10	20.12	20.08	21.5	0	
20	QPSK	50	0	19.04	19.11	19.08	20.5	1	

Band 7_Ant 1_Sensor on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	18.98	19.12	19.10	20.5	0	
20	QPSK	50	0	17.75	17.87	17.85	19.5	1	

Band 7_Ant 1_Sensor off									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	22.50	22.59	22.55	24	0	
20	QPSK	50	0	21.50	21.58	21.55	23	1	

Band 5_Ant 0_Default									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	25	22.77	22.81	22.64	24	0	
10	QPSK	25	0	21.69	21.73	21.64	23	1	

Band 5_Ant 0_Rec on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	25	22.77	22.81	22.64	24	0	
10	QPSK	25	0	21.69	21.73	21.64	23	1	

Band 5_Ant 0_Hotspot on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	25	22.77	22.81	22.64	24	0	
10	QPSK	25	0	21.69	21.73	21.64	23	1	

Band 5_Ant 0_Handheld on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	25	22.77	22.81	22.64	24	0	
10	QPSK	25	0	21.69	21.73	21.64	23	1	

Band 5_Ant 0_Sensor on									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	25	22.77	22.81	22.64	24	0	
10	QPSK	25	0	21.69	21.73	21.64	23	1	

Band 5_Ant 0_Sensor off									
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	25	22.77	22.81	22.64	24	0	
10	QPSK	25	0	21.69	21.73	21.64	23	1	

Band 26_Ant 0_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	37	22.59	22.72	22.53	24	0
15	QPSK	36	0	21.47	21.57	21.42	23	1

Band 42_Ant 5_Default									
SVT Model	Modulation	RB Size	RB Power	Power Limit	Power Min/Max	Power Min/Max	Tune-up limit (dBm)	MPR (dB)	
	Channel			42190	42590	42990			
	Frequency (MHz)			3460	3500	3540			
20	QPSK	1	49	23.28	23.27	23.14	24	0	
20	QPSK	50	0	22.36	22.35	22.15	23	1	

Band 42_Ant 5_Rec on									
SVT Model	Modulation	RB Size	RB Power	Power Limit	Power Min/Max	Power Min/Max	Tune-up limit (dBm)	MPR (dB)	
	Channel			42190	42590	42990			
	Frequency (MHz)			3460	3500	3540			
20	QPSK	1	49	15.26	15.22	15.10	16	0	
20	QPSK	50	0	14.34	14.32	14.18	15	1	

Band 42_Ant 5_Hotspot on									
SVT Model	Modulation	RB Size	RB Power	Power Limit	Power Min/Max	Power Min/Max	Tune-up limit (dBm)	MPR (dB)	
	Channel			42190	42590	42990			
	Frequency (MHz)			3460	3500	3540			
20	QPSK	1	49	12.55	12.54	12.41	13.5	0	
20	QPSK	50	0	11.63	11.62	11.42	12.5	1	

Band 42_Ant 5_Handheld on									
SVT Model	Modulation	RB Size	RB Power	Power Limit	Power Min/Max	Power Min/Max	Tune-up limit (dBm)	MPR (dB)	
	Channel			42190	42590	42990			
	Frequency (MHz)			3460	3500	3540			
20	QPSK	1	49	20.80	20.77	20.54	21.5	0	
20	QPSK	50	0	19.81	19.78	19.55	20.5	1	

Band 42_Ant 5_Sensor on									
SVT Model	Modulation	RB Size	RB Power	Power Limit	Power Min/Max	Power Min/Max	Tune-up limit (dBm)	MPR (dB)	
	Channel			42190	42590	42990			
	Frequency (MHz)			3460	3500	3540			
20	QPSK	1	49	13.64	13.51	13.44	14.5	0	
20	QPSK	50	0	12.63	12.62	12.46	12.5	1	

Band 42_Ant 5_Sensor off									
SVT Model	Modulation	RB Size	RB Power	Power Limit	Power Min/Max	Power Min/Max	Tune-up limit (dBm)	MPR (dB)	
	Channel			42190	42590	42990			
	Frequency (MHz)			3460	3500	3540			
20	QPSK	1	49	23.28	23.27	23.14	24	0	
20	QPSK	50	0	22.36	22.35	22.15	23	1	

n5_Ant 0_Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	22.71	22.79	22.76	24.0
20	QPSK	50	28	22.61	22.75	22.73	24.0

n5_Ant 0_Rec on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	22.71	22.79	22.76	24.0
20	QPSK	50	28	22.61	22.75	22.73	24.0

n5_Ant 0_Hotspot on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	22.71	22.79	22.76	0.0
20	QPSK	50	28	22.61	22.75	22.73	0.0

n5_Ant 0_Handheld on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	22.71	22.79	22.76	24.0
20	QPSK	50	28	22.61	22.75	22.73	24.0

n5_Ant 0_Sensor on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	22.71	22.79	22.76	24.0
20	QPSK	50	28	22.61	22.75	22.73	24.0

n5_Ant 0_Sensor off							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	22.71	22.79	22.76	24.0
20	QPSK	50	28	22.61	22.75	22.73	24.0

n7_Ant 1_Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	QPSK	1	1	22.26	22.33	22.27	24.0
50	QPSK	135	68	22.12	22.14	22.11	24.0

n7_Ant 1_Rec on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	QPSK	1	1	22.26	22.33	22.27	24.0
50	QPSK	135	68	22.12	22.14	22.11	24.0

n7_Ant 1_Hotspot on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	QPSK	1	1	18.34	18.40	18.35	20.0
50	QPSK	135	68	18.28	18.39	18.22	20.0

n7_Ant 1_Handheld on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	QPSK	1	1	20.01	20.04	20.02	21.5
50	QPSK	135	68	19.88	19.88	19.99	21.5

n7_Ant 1_Sensor on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	QPSK	1	1	18.34	18.40	18.35	20.0
50	QPSK	135	68	18.28	18.39	18.22	20.0

n7_Ant 1_Sensor off							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	QPSK	1	1	22.28	22.33	22.27	24.0
50	QPSK	135	68	22.12	22.14	22.11	24.0

n38_Ant 1_Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	22.70	22.78	22.65	24.0
40	QPSK	50	28	22.37	22.49	22.40	24.0

n38_Ant 1_Rec on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	22.70	22.78	22.65	24.0
40	QPSK	50	28	22.37	22.49	22.40	24.0

n38_Ant 1_Hotspot on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	20.70	20.86	20.61	22.0
40	QPSK	50	28	20.68	20.75	20.50	22.0

n38_Ant 1_Handheld on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	20.70	20.86	20.61	22.0
40	QPSK	50	28	20.68	20.75	20.50	22.0

n38_Ant 1_Sensor on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	20.70	20.86	20.61	22.0
40	QPSK	50	28	20.68	20.75	20.50	22.0

n38_Ant 1_Sensor off							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	22.70	22.78	22.65	24.0
40	QPSK	50	28	22.37	22.49	22.40	24.0

n38_Ant 4_Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	21.37	21.46	21.30	23.0
40	QPSK	50	28	21.30	21.31	21.27	23.0

n38_Ant 4_Rec on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	21.37	21.46	21.30	23.0
40	QPSK	50	28	21.30	21.31	21.27	23.0

n38_Ant 4_Hotspot on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	12.66	12.14	11.99	13.5
40	QPSK	50	28	11.94	12.03	11.84	13.5

n38_Ant 4_Handheld on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	21.37	21.46	21.30	23.0
40	QPSK	50	28	21.30	21.31	21.27	23.0

n38_Ant 4_Sensor on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	12.93	13.04	12.95	14.5
40	QPSK	50	28	12.88	12.94	12.88	14.5

n38_Ant 4_Sensor off							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	53	21.37	21.46	21.30	23.0
40	QPSK	50	28	21.30	21.31	21.27	23.0

n41_Ant 1_Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)

n26_Ant 0_Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			164800	166300	167800	
	Frequency (MHz)			824	831.5	839	
20	QPSK	1	1	22.76	22.81	22.68	24.0
20	QPSK	50	28	22.49	22.51	22.48	24.0

n26_Ant 0_Rec on							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			164800	166300	167800	
	Frequency (MHz)			824	831.5	839	
20	QPSK	1	1	22.76	22.81	22.68	24.0
20	QPSK	50	28	22.49	22.51	22.48	24.0

n26_Ant 0_Hotspot on							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			164800	166300	167800	
	Frequency (MHz)			824	831.5	839	
20	QPSK	1	1	22.76	22.81	22.68	0.0
20	QPSK	50	28	22.49	22.51	22.48	0.0

n26_Ant 0_Handheld on							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			164800	166300	167800	
	Frequency (MHz)			824	831.5	839	
20	QPSK	1	1	22.76	22.81	22.68	24.0
20	QPSK	50	28	22.49	22.51	22.48	24.0

n26_Ant 0_Sensor on							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			164800	166300	167800	
	Frequency (MHz)			824	831.5	839	
20	QPSK	1	1	22.76	22.81	22.68	24.0
20	QPSK	50	28	22.49	22.51	22.48	24.0

n26_Ant 0_Sensor off							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			164800	166300	167800	
	Frequency (MHz)			824	831.5	839	
20	QPSK	1	1	22.76	22.81	22.68	24.0
20	QPSK	50	28	22.49	22.51	22.48	24.0

n7_Ant 4_Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			505000	507000	509000	
	Frequency (MHz)			2525	2535	2545	
50	QPSK	1	1	21.44	21.55	21.51	23.0
50	QPSK	135	68	21.37	21.40	21.38	23.0

n7_Ant 4_Rec on							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			505000	507000	509000	
	Frequency (MHz)			2525	2535	2545	
50	QPSK	1	1	18.32	18.39	18.32	19.5
50	QPSK	135	68	18.21	18.29	18.24	19.5

n7_Ant 4_Hotspot on							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			505000	507000	509000	
	Frequency (MHz)			2525	2535	2545	
50	QPSK	1	1	12.99	13.13	13.11	14.5
50	QPSK	135	68	12.88	13.04	12.96	14.5

n7_Ant 4_Handheld on							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			505000	507000	509000	
	Frequency (MHz)			2525	2535	2545	
50	QPSK	1	1	19.76	19.89	19.80	21.0
50	QPSK	135	68	19.73	19.87	19.77	21.0

n7_Ant 4_Sensor on							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			505000	507000	509000	
	Frequency (MHz)			2525	2535	2545	
50	QPSK	1	1	13.54	14.12	14.10	15.5
50	QPSK	135	68	13.61	14.10	13.97	15.5

n7_Ant 4_Sensor off							
BW (MHz)	Modulation	RB Size	RB Offset	Power F _{max}	Power Margin	Power Limit	Tune-up limit
	Channel			505000	507000	509000	
	Frequency (MHz)			2525	2535	2545	
50	QPSK	1	1	21.44	21.55	21.51	23.0
50	QPSK	135	68	21.37	21.40	21.38	23.0

<WLAN 2.4GHz FCC>

2.4GHz WLAN_Ant 5				Default		Head_Standalone		Head_Simultaneous		Body Worn_Standalone		Body Worn_Simultaneous		Extremity_Standalone		Extremity_Simultaneous		Hotspot	
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
				1	2412	19.45	20.50	19.05	20.00	15.60	17.00	19.45	20.50	16.85	18.00	19.45	20.50	19.45	20.50
				6	2437	19.95	20.50	19.55	20.00	16.45	17.00	19.95	20.50	17.45	18.00	19.95	20.50	19.95	20.50
				11	2462	19.45	20.50	18.95	20.00	15.95	17.00	19.45	20.50	17.05	18.00	19.45	20.50	18.55	19.50

<WLAN 5GHz FCC>

5.2GHz WLAN_Ant 5				Default		Head_Standalone		Head_Simultaneous		Body Worn_Standalone		Body Worn_Simultaneous		Extremity_Standalone		Extremity_Simultaneous		Hotspot	
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
				36	5180	19.05	20.50	18.64	20.00			19.06	20.50			18.15	19.50		
				40	5200	19.04	20.50	18.58	20.00			19.04	20.50			18.00	19.50		
				44	5220	19.03	20.50	18.52	20.00			19.03	20.50			18.00	19.50		
				48	5240	18.92	20.50	18.50	20.00			18.92	20.50			17.95	19.50		
				802.11n-HT40 MCS0				15.60	17.00			15.40	17.00			13.85	15.50	14.36	16.00
		38	5190					15.60	17.00			15.40	17.00			13.90	15.50	14.37	16.00

5.3GHz WLAN_Ant 5				Default		Head_Standalone		Head_Simultaneous		Body Worn_Standalone		Body Worn_Simultaneous		Extremity_Standalone		Extremity_Simultaneous		Hotspot	
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
				52	5260	18.94	20.50	18.47	20.00			18.94	20.50			18.03	19.50		
				56	5280	18.98	20.50	18.44	20.00			18.96	20.50			17.95	19.50		
				60	5300	19.00	20.50	18.59	20.00			19.00	20.50			18.08	19.50		
				64	5320	18.48	20.00	18.48	20.00			18.48	20.00			17.95	19.50		
				802.11n-HT40 MCS0				15.62	17.00			15.32	17.00			13.85	15.50	14.36	16.00
		54	5270					15.64	17.00			15.34	17.00			13.78	15.50		

5.5GHz WLAN_Ant 5				Default		Head_Standalone		Head_Simultaneous		Body Worn_Standalone		Body Worn_Simultaneous		Extremity_Standalone		Extremity_Simultaneous		Hotspot	
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
				100	5500	19.12	20.50									18.16	19.50		
				116	5580	18.96	20.50									17.69	19.50		
				124	5620	18.98	20.50									18.08	19.50		
				132	5660	19.02	20.50									18.10	19.50		
				140	5700	18.50	18.00									18.50	18.00		
				144	5720	19.09	20.50									18.15	19.50		
				802.11ac-VHT80 MCS0				19.40	17.00	13.18	14.50	15.89	17.50	12.89	14.50			13.89	15.50
		122	5610					15.52	17.00	13.13	14.50	16.28	18.00	12.88	14.50			13.84	15.50
		138	5690					15.44	17.00	13.26	14.50	16.40	18.00	12.93	14.50			13.87	15.50

5.8GHz WLAN_Ant 5				Default		Head_Standalone		Head_Simultaneous		Body Worn_Standalone		Body Worn_Simultaneous		Extremity_Standalone		Extremity_Simultaneous		Hotspot	
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
				149	5745	18.18	20.00									16.38	19.50		
				157	5785	18.86	20.00									16.40	19.50		
				165	5825	18.81	20.00									16.29	19.50		
		802.11ac-VHT80 MCS0	155	5775				15.27	17.00	12.08	14.00	16.18	18.00	12.78	14.50			13.63	15.50

BR / EDR			Ant 6
Mode	Channel	Frequency (MHz)	usage power (dB)
			1Mbps
BR / EDR	CH 00	2402	10.30
	CH 39	2441	10.93
	CH 78	2480	10.85
Tune-up Limit			12