

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	22	2	
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	21	3	
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	21.39	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			
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	21.23	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	20.07			
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	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	20.66	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	2640.3	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				

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	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	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	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	21.13	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	20.05	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			
Frequency (MHz)				2650	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	23	1	
20	QPSK	50	24	21.31	21.42	21.51	21.60	21.50			
20	QPSK	50	50	21.27	21.33	21.44	21.55	21.48			
20	QPSK	1	0	21.33	21.40	21.44	21.53	21.50	23	1	
20	QPSK	1	49	21.50	21.56	21.55	21.66	21.59			
20	QPSK	1	99	21.50	21.54	21.62	21.72	21.62			
20	16QAM	1	49	21.39	21.46	21.57	21.69	21.50	22	2	
20	16QAM	50	0	20.47	20.49	20.64	20.69	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	22	2	
20	64QAM	1	99	20.40	20.47	20.62	20.69	20.62			
20	64QAM	50	0	19.63	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	19.62	19.60	19.67	19.76	19.63			
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2505.3	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			
15	QPSK	36	0	21.17	21.31	21.40	21.52	21.41	23	1	
15	QPSK	36	20	21.25	21.37	21.44	21.54	21.43			
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	QPSK	1	0	21.46	21.41	21.53	21.58	21.54			
15	QPSK	1	37	21.40	21.47	21.56	21.71	21.54			
15	16QAM	36	0	21.36	21.43	21.43	21.59	21.44	22	2	
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	20.48	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	22	2	
15	64QAM	1	74	20.32	20.45	20.57	20.60	20.57			
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			
Channel				39700	40160	40620	41080	41540			
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			
10	QPSK	25	0	21.18	21.34	21.35	21.50	21.45	23	1	
10	QPSK	25	12	21.25	21.36	21.48	21.51	21.46			
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			
10	16QAM	1	49	21.32	21.41	21.52	21.62	21.45	23	1	
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	22	2	
10	64QAM	1	49	20.36	20.38	20.53	20.63	20.54			
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			
Channel				39675	40148	40620	41093	41565			
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			
5	QPSK	12	0	21.22	21.33	21.38	21.51	21.39	23	1	
5	QPSK	12	7	21.29	21.36	21.43	21.53	21.41			
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			
5	16QAM	1	24	21.31	21.41	21.47	21.62	21.42	22	2	
5	16QAM	12	0	20.45	20.40	20.61	20.66	20.58			
5	16QAM	12	7	20.37	20.45	20.54	20.62	20.62			
5	16QAM	12	13	20.35	20.44	20.54	20.63	20.53	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	22	2	
5	64QAM	1	24	20.35	20.40	20.60	20.65	20.56			
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	19.60	19.56	19.65	19.68	19.59			

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			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	25.20	25.21	25.39	25.41	25.36	27	0	
20	QPSK	1	49	25.22	25.28	25.43	25.58	25.48			
20	QPSK	1	99	25.12	25.16	25.35	25.44	25.37			
20	QPSK	50	0	24.21	24.35	24.50	24.55	24.43	26	1	
20	QPSK	50	24	24.27	24.37	24.46	24.59	24.47			
20	QPSK	50	50	24.23	24.28	24.40	24.55	24.42			
20	QPSK	100	0	24.25	24.32	24.37	24.47	24.46	26	1	
20	16QAM	1	0	24.44	24.49	24.55	24.60	24.59			
20	16QAM	1	49	24.45	24.51	24.61	24.70	24.69			
20	16QAM	1	99	24.34	24.39	24.51	24.67	24.50	25	2	
20	16QAM	50	0	23.30	23.29	23.49	23.57	23.50			
20	16QAM	50	24	23.29	23.35	23.48	23.55	23.51			
20	16QAM	50	50	23.22	23.32	23.45	23.55	23.49	25	2	
20	16QAM	100	0	23.23	23.29	23.39	23.52	23.43			
20	64QAM	1	0	23.29	23.43	23.47	23.59	23.52			
20	64QAM	1	49	23.45	23.41	23.55	23.65	23.59	25	2	
20	64QAM	1	99	23.25	23.26	23.45	23.57	23.44			
20	64QAM	50	0	22.19	22.29	22.40	22.48	22.45			
20	64QAM	50	24	22.21	22.33	22.40	22.49	22.43	24	3	
20	64QAM	50	50	22.22	22.27	22.38	22.53	22.42			
20	64QAM	100	0	22.21	22.29	22.38	22.46	22.32			
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	25.03	25.08	25.22	25.24	25.20	27	0	
15	QPSK	1	37	25.07	25.12	25.30	25.46	25.33			
15	QPSK	1	74	25.08	25.06	25.19	25.28	25.23			
15	QPSK	36	0	24.06	24.26	24.28	24.42	24.29	26	1	
15	QPSK	36	20	24.13	24.24	24.35	24.49	24.35			
15	QPSK	36	39	24.11	24.19	24.31	24.39	24.32			
15	QPSK	75	0	24.09	24.23	24.22	24.37	24.32	26	1	
15	16QAM	1	0	24.29	24.37	24.46	24.53	24.40			
15	16QAM	1	37	24.33	24.41	24.48	24.54	24.54			
15	16QAM	1	74	24.21	24.28	24.40	24.55	24.38	25	2	
15	16QAM	36	0	23.20	23.21	23.40	23.46	23.37			
15	16QAM	36	20	23.14	23.25	23.38	23.42	23.38			
15	16QAM	36	39	23.07	23.17	23.31	23.42	23.39	25	2	
15	16QAM	75	0	23.08	23.14	23.29	23.38	23.32			
15	64QAM	1	0	23.21	23.30	23.36	23.44	23.38			
15	64QAM	1	37	23.36	23.38	23.46	23.49	23.46	25	2	
15	64QAM	1	74	23.13	23.17	23.29	23.41	23.30			
15	64QAM	36	0	22.08	22.15	22.29	22.40	22.35			
15	64QAM	36	20	22.06	22.19	22.25	22.34	22.28	24	3	
15	64QAM	36	39	22.09	22.15	22.32	22.43	22.34			
15	64QAM	75	0	22.11	22.21	22.23	22.34	22.18			
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	25.14	25.10	25.32	25.33	25.27	27	0	
10	QPSK	1	25	25.13	25.19	25.38	25.48	25.39			
10	QPSK	1	49	25.07	25.09	25.27	25.33	25.27			
10	QPSK	25	0	24.11	24.25	24.29	24.49	24.32	26	1	
10	QPSK	25	12	24.21	24.33	24.42	24.47	24.42			
10	QPSK	25	25	24.16	24.19	24.30	24.50	24.31			
10	QPSK	50	0	24.17	24.26	24.27	24.40	24.40	26	1	
10	16QAM	1	0	24.38	24.45	24.47	24.51	24.47			
10	16QAM	1	25	24.35	24.40	24.54	24.58	24.55			
10	16QAM	1	49	24.23	24.35	24.47	24.61	24.43	25	2	
10	16QAM	25	0	23.24	23.29	23.43	23.51	23.45			
10	16QAM	25	12	23.18	23.26	23.37	23.50	23.40			
10	16QAM	25	25	23.15	23.25	23.38	23.50	23.43	25	2	
10	16QAM	50	0	23.16	23.20	23.29	23.41	23.39			
10	64QAM	1	0	23.24	23.37	23.39	23.50	23.43			
10	64QAM	1	25	23.35	23.31	23.49	23.61	23.55	25	2	
10	64QAM	1	49	23.17	23.17	23.34	23.53	23.40			
10	64QAM	25	0	22.16	22.23	22.31	22.40	22.38			
10	64QAM	25	12	22.18	22.27	22.32	22.40	22.35	24	3	
10	64QAM	25	25	22.13	22.21	22.35	22.49	22.37			
10	64QAM	50	0	22.11	22.26	22.31	22.36	22.26			
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	25.09	25.15	25.34	25.36	25.26	27	0	
5	QPSK	1	12	25.12	25.20	25.34	25.49	25.37			
5	QPSK	1	24	25.05	25.05	25.25	25.39	25.32			
5	QPSK	12	0	24.12	24.24	24.36	24.46	24.34	26	1	
5	QPSK	12	7	24.23	24.33	24.42	24.52	24.36			
5	QPSK	12	13	24.14	24.19	24.29	24.44	24.33			
5	QPSK	25	0	24.18	24.27	24.30	24.37	24.41	26	1	
5	16QAM	1	0	24.33	24.39	24.47	24.57	24.54			
5	16QAM	1	12	24.35	24.43	24.54	24.63	24.49			
5	16QAM	12	0	24.23	24.33	24.44	24.61	24.45	25	2	
5	16QAM	12	0	23.25	23.23	23.38	23.46	23.39			
5	16QAM	12	7	23.22	23.29	23.44	23.44	23.44			
5	16QAM	12	13	23.15	23.23	23.37	23.45	23.41	25	2	
5	16QAM	25	0	23.17	23.22	23.34	23.41	23.39			
5	64QAM	1	0	23.18	23.36	23.41	23.48	23.48			
5	64QAM	1	12	23.34	23.32	23.48	23.54	23.55	25	2	
5	64QAM	1	24	23.16	23.17	23.36	23.48	23.40			
5	64QAM	12	0	22.15	22.25	22.37	22.38	22.42			
5	64QAM	12	7	22.17	22.29	22.33	22.45	22.39	24	3	
5	64QAM	12	13	22.15	22.20	22.34	22.44	22.36			
5	64QAM	25	0	22.12	22.24	22.29	22.41	22.26			

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	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	21.33	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	21	3	
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	20.36			
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	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	21.39	21.31	21.30			
20	QPSK	50	50	21.19	21.23	21.21			
20	QPSK	100	0	21.25	21.31	21.25	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	19.35	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	21.08	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	20.13	20.13	20.10			
10	16QAM	25	25	20.04	20.05	20.01	22	2	
10	16QAM	50	0	20.09	20.09	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	19.14	19.13			
10	64QAM	50	0	19.11	19.15	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	20.05	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				
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	20.20	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	19.95	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	19.5	3		
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				
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	19.5	3		
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				
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	19.5	3		
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				
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	19.5	3		
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				

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				
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	23.30	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			Tune-up limit (dBm)	MPR (dB)
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	23.87	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	22.82	22.92	22.97	23.02	22.88				
15	16QAM	36	0	21.86	21.78	22.00	22.01	21.97				
15	16QAM	36	20	21.67	21.72	21.85	21.86	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	20.72	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			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685				
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	22.88	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	21.69	21.85	21.91	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	21.97	21.96	22.00	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			Tune-up limit (dBm)	MPR (dB)
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	22.80	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	21.83	21.96	21.91	23.5	2		
5	16QAM	25	0	21.58	21.72	21.90	22.02	21.86				
5	64QAM	1	0	21.64	21.89	21.82	21.88	21.91				
5	64QAM	1	12	21.86	21.72	22.06	21.96	22.07				
5	64QAM	1	24	21.68	21.60	21.85	21.89	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		

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	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	24	0	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844	23	1	
10	QPSK	1	0	22.37	22.55	22.36			
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	23	1	
10	QPSK	25	12	21.33	21.60	21.30			
10	QPSK	25	25	21.49	21.53	21.33	23	1	
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	22	2	
10	16QAM	25	0	20.38	20.53	20.42			
10	16QAM	25	12	20.57	20.53	20.51	22	2	
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	21	3	
10	64QAM	1	49	20.32	20.86	20.63			
10	64QAM	25	0	19.46	19.56	19.43	21	3	
10	64QAM	25	12	19.34	19.68	19.28			
10	64QAM	25	25	19.40	19.48	19.37	21	3	
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	22	2	
5	64QAM	1	12	20.80	20.48	20.61			
5	64QAM	1	24	20.52	20.76	20.57			
5	64QAM	12	0	19.49	19.60	19.36	21	3	
5	64QAM	12	7	19.57	19.58	19.44			
5	64QAM	12	13	19.35	19.47	19.42			
5	64QAM	25	0	19.37	19.49	19.39	24	0	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5	23	1	
3	QPSK	1	0	22.48	22.64	22.21			
3	QPSK	1	8	22.28	22.68	22.45	23	1	
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	23	1	
3	QPSK	15	0	21.49	21.67	21.33			
3	16QAM	1	0	21.46	21.35	22.00	23	1	
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	22	2	
3	16QAM	8	7	20.57	20.55	20.29			
3	16QAM	15	0	20.42	20.54	20.35	22	2	
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	21	3	
3	64QAM	8	4	19.62	19.39	19.27			
3	64QAM	8	7	19.44	19.54	19.35	21	3	
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	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	22	2	
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	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			
20	QPSK	50	24	21.30	21.31	21.30	23	1	
20	QPSK	50	50	21.19	21.23	21.21			
20	QPSK	100	0	21.25	21.31	21.20			
20	16QAM	1	0	21.43	21.51	21.45			
20	16QAM	1	49	21.74	21.82	21.72	23	1	
20	16QAM	1	99	21.25	21.24	21.23			
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			
20	64QAM	1	99	20.37	20.38	20.37	22	2	
20	64QAM	50	0	19.24	19.26	19.23			
20	64QAM	50	24	19.31	19.29	19.28			
20	64QAM	50	50	19.31	19.24	19.27			
20	64QAM	100	0	19.25	19.26	19.21	21	3	
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.08	22.04	22.06			
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			
15	QPSK	36	20	21.19	21.25	21.19	23	1	
15	QPSK	36	39	21.06	21.10	21.09			
15	QPSK	75	0	21.19	21.16	21.15			
15	16QAM	1	0	21.67	21.42	21.32			
15	16QAM	1	37	21.65	21.67	21.61	23	1	
15	16QAM	1	74	21.18	21.19	21.10			
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			
15	64QAM	1	74	20.31	20.34	20.22	22	2	
15	64QAM	36	0	19.19	19.18	19.16			
15	64QAM	36	20	19.22	19.16	19.19			
15	64QAM	36	39	19.22	19.18	19.20			
15	64QAM	75	0	19.13	19.21	19.15	21	3	
Channel				133172	133297	133422			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	22.02	22.04	22.01			
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			
10	QPSK	25	12	21.15	21.19	21.17	23	1	
10	QPSK	25	25	21.06	21.09	21.07			
10	QPSK	50	0	21.12	21.14	21.10			
10	16QAM	1	0	21.33	21.37	21.28			
10	16QAM	1	25	21.61	21.65	21.58	23	1	
10	16QAM	1	49	21.15	21.14	21.08			
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			
10	64QAM	1	49	20.26	20.27	20.21	22	2	
10	64QAM	25	0	19.14	19.16	19.09			
10	64QAM	25	12	19.16	19.16	19.12			
10	64QAM	25	25	19.15	19.15	19.13			
10	64QAM	50	0	19.11	19.14	19.12	21	3	
Channel				133147	133297	133447			
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	22.08	22.10	22.04			
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			
5	QPSK	12	7	21.17	21.14	21.23	23	1	
5	QPSK	12	13	21.08	21.15	21.12			
5	QPSK	25	0	21.20	21.17	21.17			
5	16QAM	1	0	21.37	21.39	21.34			
5	16QAM	1	12	21.63	21.71	21.66	23	1	
5	16QAM	1	24	21.18	21.19	21.16			
5	16QAM	12	0	20.16	20.18	20.07			
5	16QAM	12	7	20.19	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			
5	64QAM	1	24	20.32	20.36	20.30	22	2	
5	64QAM	12	0	19.19	19.25	19.15			
5	64QAM	12	7	19.18	19.21	19.15			
5	64QAM	12	13	19.22	19.24	19.22			
5	64QAM	25	0	19.16	19.18	19.17	21	3	

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	22	1	
20	QPSK	50	0	20.38	20.50	20.48	20.63	20.57			
20	QPSK	50	24	20.46	20.56	20.65	20.67	20.61	22	1	
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	22	1	
20	16QAM	1	99	20.58	20.63	20.74	20.79	20.58			
20	16QAM	50	0	19.61	19.52	19.74	19.76	19.81	21	2	
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	21	2	
20	64QAM	1	49	19.76	19.70	19.77	20.02	19.95			
20	64QAM	1	99	19.48	19.56	19.73	19.77	19.77	21	2	
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			
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	22	1	
15	QPSK	36	0	20.18	20.47	20.41	20.63	20.45			
15	QPSK	36	20	20.39	20.51	20.45	20.60	20.54	22	1	
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	22	1	
15	16QAM	1	74	20.41	20.52	20.53	20.75	20.60			
15	16QAM	36	0	19.55	19.58	19.72	19.66	19.78	21	2	
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	21	2	
15	64QAM	1	37	19.61	19.71	19.82	19.86	19.68			
15	64QAM	1	74	19.32	19.63	19.73	19.79	19.62	20	3	
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			
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	22	1	
10	QPSK	25	0	20.26	20.39	20.44	20.60	20.58			
10	QPSK	25	12	20.31	20.41	20.53	20.68	20.60	22	1	
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	22	1	
10	16QAM	1	49	20.37	20.42	20.64	20.79	20.64			
10	16QAM	25	0	19.57	19.47	19.67	19.80	19.66	21	2	
10	16QAM	25	12	19.52	19.56	19.61	19.70	19.79			
10	16QAM	25	25	19.35	19.50	19.69	19.69	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	21	2	
10	64QAM	1	25	19.60	19.69	19.87	19.97	19.83			
10	64QAM	1	49	19.45	19.39	19.69	19.78	19.65	20	3	
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			
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	22	1	
5	QPSK	12	0	20.41	20.39	20.38	20.57	20.55			
5	QPSK	12	7	20.30	20.51	20.54	20.66	20.48	22	1	
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	22	1	
5	16QAM	1	24	20.40	20.51	20.48	20.76	20.49			
5	16QAM	12	0	19.50	19.46	19.69	19.69	19.76	21	2	
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	21	2	
5	64QAM	1	12	19.59	19.70	19.70	19.91	19.72			
5	64QAM	1	24	19.37	19.53	19.74	19.76	19.66	20	3	
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			
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	25	1	
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	24	2	
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	23	3	
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	24	2	
20	64QAM	50	50	21.25	21.47	21.59	21.65	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	24	2	
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	23	3	
15	16QAM	36	20	22.34	22.29	22.43	22.44	22.47			
15	16QAM	36	39	22.25	22.35	22.37	22.49	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	24	2	
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	24.20	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	24	2	
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	23.66	24	2	
10	16QAM	1	49	23.31	23.42	23.57	23.72	23.50			
10	16QAM	25	0	22.32	22.42	22.52	22.52	22.65	23	3	
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	22.45	22.64	22.52	22.58	25	1	
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	24	2	
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	24.10	24.41	24.45	24.41	26	0	
5	QPSK	1	12	24.28	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	25	1	
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	24	2	
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	23	3	
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	22.58	22.62	23	3	
5	64QAM	1	12	22.40	22.45	22.63	22.68	22.57			
5	64QAM	1	24	22.22	22.27	22.55	22.52	22.41	24	2	
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	20.16	20.18	20.07			
5	16QAM	12	7	20.19	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	Tune-up limit (dBm)	MPR (dB)		
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				
20	QPSK	50	50	19.68	19.76	19.91	20.00	20.01	21.5	1		
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				
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	20.5	2		
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	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	20.5	2		
20	64QAM	1	99	18.95	18.88	19.02	19.25	19.08				
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			Tune-up limit (dBm)	MPR (dB)
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				
15	QPSK	36	39	19.79	19.75	19.85	19.92	20.01	21.5	1		
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				
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	20.5	2		
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				
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	20.5	2		
15	64QAM	1	74	18.82	19.00	19.00	19.14	19.03				
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			Tune-up limit (dBm)	MPR (dB)
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				
10	QPSK	25	25	19.72	19.68	19.87	20.05	19.94	21.5	1		
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				
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	20.5	2		
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				
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	20.5	2		
10	64QAM	1	49	18.84	18.91	19.07	19.07	19.08				
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			Tune-up limit (dBm)	MPR (dB)
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				
5	QPSK	12	13	19.59	19.79	19.95	19.92	19.82	21.5	1		
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				
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	20.5	2		
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				
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	20.5	2		
5	64QAM	1	24	18.88	18.95	19.05	19.09	19.13				
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			
20	QPSK	50	50	22.79	22.73	22.92	23.06	22.92	24.5	1	
20	QPSK	100	0	22.72	22.80	22.84	23.00	22.94			
20	16QAM	1	0	22.94	22.96	22.96	23.07	23.04	24.5	1	
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	22.34	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	23.5	2	
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			
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	22.5	3	
20	64QAM	100	0	20.62	20.86	20.86	21.05	20.83			
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	23.52	23.63	23.70	23.82	23.60			25.5
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			
15	QPSK	36	39	22.70	22.69	22.91	22.98	22.77	24.5	1	
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			
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	23.5	2	
15	16QAM	36	20	21.67	21.72	21.85	21.96	21.93			
15	16QAM	36	39	21.57	21.66	21.76	21.83	21.88			
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	23.5	2	
15	64QAM	1	74	21.63	21.57	21.78	22.00	21.87			
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			Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2637	2685	Tune-up limit (dBm)	MPR (dB)	
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	22.83			
10	QPSK	25	25	22.74	22.79	22.82	22.94	22.83	24.5	1	
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	22.90			
10	16QAM	1	25	22.86	22.99	23.02	23.15	23.05			
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	23.5	2	
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			
10	16QAM	50	0	21.62	21.76	21.74	21.81	21.85			
10	64QAM	1	0	21.82	21.70	21.95	22.20	22.00			
10	64QAM	1	25	21.93	21.77	21.98	22.20	22.04	23.5	2	
10	64QAM	1	49	21.77	21.77	21.75	22.08	21.90			
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			Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)	
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			
5	QPSK	12	13	22.62	22.61	22.84	23.04	22.85	24.5	1	
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			
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	23.5	2	
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			
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	22.19	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			

Reduced Power Mode for Sensor off

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	22	2	
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	21	3	
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	20.12	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	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	21.19	22	2	
15	16QAM	36	0	20.18	20.15	20.10			
15	16QAM	36	20	20.14	20.14	20.10			
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	19.14	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	22.34	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	22	2	
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	20.19	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	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				
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				
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				
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				
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	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				



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

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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	22.61	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 Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	PQ2 BPSK	1	1	22.22					
100	PQ2 BPSK	1	137	22.17			24.0	0.0	
100	PQ2 BPSK	1	271	22.29					
100	PQ2 BPSK	135	0	22.33			24.0	0.0	
100	PQ2 BPSK	135	69	22.27			24.0	0.0	
100	PQ2 BPSK	135	138	22.27			24.0	0.0	
100	PQ2 BPSK	270	0	22.28					
100	QPSK	1	1	21.21					
100	QPSK	1	137	22.38			24.0	0.0	
100	QPSK	1	271	22.13					
100	QPSK	135	0	22.22			24.0	0.0	
100	QPSK	135	69	22.34					
100	QPSK	135	138	22.28					
100	QPSK	270	0	22.23			24.0	0.0	
100	16QAM	1	1	22.24			24.0	0.0	
100	64QAM	1	1	21.52			24.0	0.0	
100	256QAM	1	1	20.01			22.5	1.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	22.04	22.19	22.24	24.0	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	22.08	22.36	22.23	24.0	0.0	
Channel									
Frequency (MHz)				3485.01	3499.98	3514.98	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	22.24	22.15	22.05	24.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	22.16	22.18	22.19	24.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	22.17	22.15	22.15	24.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	22.06	22.21	22.07	24.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	22.06	22.08	22.09	24.0	0.0	
Channel									
Frequency (MHz)				630634	633332	635832	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	22.11	22.27	22.08	24.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	22.11	22.22	22.08	24.0	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	22.23	22.24	22.08	24.0	0.0	
Channel									
Frequency (MHz)				630000	633332	636666	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.26	22.29	22.06	24.0	0.0	

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)				3499.98					
100	Pl2 BPSK	1	1	24.28					
100	Pl2 BPSK	1	137	25.27			27.0	0.0	
100	Pl2 BPSK	1	271	24.48					
100	Pl2 BPSK	135	0	24.47			26.5	0.5	
100	Pl2 BPSK	135	69	25.25			27.0	0.0	
100	Pl2 BPSK	135	138	24.49			26.5	0.5	
100	Pl2 BPSK	270	0	24.49					
100	QPSK	1	1	24.25					
100	QPSK	1	137	25.28			27.0	0.0	
100	QPSK	1	271	24.41					
100	QPSK	135	0	23.83			27.0	0.0	
100	QPSK	135	69	25.15					
100	QPSK	135	138	23.87					
100	QPSK	270	0	24.02			26.0	1.0	
100	16QAM	1	1	22.90			26.0	1.0	
100	64QAM	1	1	21.43			24.5	2.5	
100	256QAM	1	1	19.97			22.5	4.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
90	QPSK	1	1	25.07	25.22	25.19	27.0	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	25.10	25.26	25.15	27.0	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	25.16	25.25	25.08	27.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	25.11	25.14	25.17	27.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	25.10	25.16	25.16	27.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	25.12	25.24	25.14	27.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	25.03	25.12	25.15	27.0	0.0	
Channel									
Frequency (MHz)				630634	633332	635832	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	25.08	25.17	25.16	27.0	0.0	
Channel									
Frequency (MHz)				630334	633332	636000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	25.11	25.17	25.14	27.0	0.0	
Channel									
Frequency (MHz)				630000	633332	636332	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	25.15	25.15	25.07	27.0	0.0	
Channel									
Frequency (MHz)				629634	633332	636666	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	25.14	25.10	25.04	27.0	0.0	

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)				37500	38400	39300			
100	Pl2 BPSK	1	1	22.32	22.18	22.31			
100	Pl2 BPSK	1	137	22.20	22.23	22.27	24.0	0.0	
100	Pl2 BPSK	1	271	22.20	22.27	22.34			
100	Pl2 BPSK	135	0	22.21	22.41	22.26	24.0	0.0	
100	Pl2 BPSK	135	69	22.16	22.29	22.32	24.0	0.0	
100	Pl2 BPSK	135	138	22.36	22.30	22.36	24.0	0.0	
100	Pl2 BPSK	270	0	22.26	22.28	22.27			
100	QPSK	1	1	21.26	21.53	21.28			
100	QPSK	1	137	22.38	22.42	22.32	24.0	0.0	
100	QPSK	1	271	22.26	22.31				
100	QPSK	135	0	22.22	22.40	22.20			
100	QPSK	135	69	22.27	22.42	22.34	24.0	0.0	
100	QPSK	135	138	22.22	22.41	22.15			
100	QPSK	270	0	22.24	22.34	22.32	24.0	0.0	
100	16QAM	1	1	22.34	22.29	22.16	24.0	0.0	
100	64QAM	1	1	21.33	21.45	21.28	24.0	0.0	
100	256QAM	1	1	19.89	19.95	19.86	22.5	1.5	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR	
90	QPSK	1	1	22.19	22.29	22.15	24.0	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	22.07	22.24	22.10	24.0	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	22.07	22.20	22.13	24.0	0.0	
Channel									
Frequency (MHz)				648668	650000	651332	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	22.17	22.24	22.16	24.0	0.0	
Channel									
Frequency (MHz)				648334	650000	650666	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	22.01	22.13	22.13	24.0	0.0	
Channel									
Frequency (MHz)				648000	650000	650400	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	22.03	22.21	22.05	24.0	0.0	
Channel									
Frequency (MHz)				647668	650000	650332	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	22.14	22.21	22.19	24.0	0.0	
Channel									
Frequency (MHz)				647500	650000	649500	Tune-up limit (dBm)	MPR	
25	QPSK	1	1	22.12	22.20	22.15	24.0	0.0	
Channel									
Frequency (MHz)				647334	650000	646666	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	22.17	22.20	22.16	24.0	0.0	
Channel									
Frequency (MHz)				647168	650000	646582	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	22.14	22.28	22.13	24.0	0.0	
Channel									
Frequency (MHz)				647000	650000	646000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.09	22.30	22.13	24.0	0.0	

Part270_n77_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	P22 BPSK	1	1	24.21	24.28	24.18			
100	P22 BPSK	1	137	25.17	25.32	25.20	27.0	0.0	
100	P22 BPSK	1	271	24.55	24.60	24.54			
100	P22 BPSK	135	0	24.58	24.53	24.57	26.5	0.5	
100	P22 BPSK	135	69	25.25	25.34	25.22	27.0	0.0	
100	P22 BPSK	135	138	24.59	24.68	24.58			0.5
100	P22 BPSK	270	0	24.59	24.57	24.54	26.5		
100	QPSK	1	1	24.27	24.38	24.29			
100	QPSK	1	137	25.31	25.37	25.29	27.0	0.0	
100	QPSK	1	271	24.38	24.48	24.37			
100	QPSK	135	0	23.76	23.87	23.81			
100	QPSK	135	69	25.06	25.15	25.05	27.0	0.0	
100	QPSK	135	138	23.94	24.01	23.90			1.0
100	QPSK	270	0	24.02	24.07	24.04	26.0		
100	16QAM	1	1	22.88	22.95	22.85	26.0	1.0	
100	64QAM	1	1	21.28	21.40	21.28	24.5	2.5	
100	256QAM	1	1	19.80	19.92	19.79	22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.14	25.21	25.15	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.06	25.19	25.08	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.05	25.27	25.15	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.10	25.21	25.13	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.01	25.22	25.05	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.13	25.27	25.11	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.05	25.28	25.17	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.08	25.31	25.07	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.10	25.24	25.06	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.12	25.21	25.09	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.07	25.19	25.11	27.0	0.0	

Part27Q_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P22 BPSK	1	1		18.17				
100	P22 BPSK	1	137		18.15		19.5	0.0	
100	P22 BPSK	1	271		18.25				
100	P22 BPSK	135	0		18.10		19.5	0.0	
100	P22 BPSK	135	69		18.18		19.5	0.0	
100	P22 BPSK	135	138		18.16		19.5	0.0	
100	P22 BPSK	270	0		18.22				
100	QPSK	1	1		17.52				
100	QPSK	1	137		18.30		19.5	0.0	
100	QPSK	1	271		18.19				
100	QPSK	135	0		18.25				
100	QPSK	135	69		18.27		19.5	0.0	
100	QPSK	135	138		18.25				
100	QPSK	270	0		18.19		19.5	0.0	
100	16QAM	1	1		18.15		19.5	0.0	
100	64QAM	1	1		17.75		19.5	0.0	
100	256QAM	1	1		16.15		18.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630000	633332	636666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	629668	633332	637000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	629334	633332	637332	Tune-up limit (dBm)	MPR	

Part27Q_n77_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)									
100	P22 BPSK	1	1		20.30				
100	P22 BPSK	1	137		21.24		22.5	0.0	
100	P22 BPSK	1	271		20.15				
100	P22 BPSK	135	0		20.57		22.0	0.5	
100	P22 BPSK	135	69		21.17		22.5	0.0	
100	P22 BPSK	135	138		20.41		22.0	0.5	
100	P22 BPSK	270	0		20.46				
100	QPSK	1	1		20.38				
100	QPSK	1	137		21.26		22.5	0.0	
100	QPSK	1	271		20.23				
100	QPSK	135	0		20.01		22.5	0.0	
100	QPSK	135	69		21.19		22.5	0.0	
100	QPSK	135	138		19.91				
100	QPSK	270	0		20.10		21.5	1.0	
100	16QAM	1	1		19.25		21.5	1.0	
100	64QAM	1	1		17.66		20.0	2.5	
100	256QAM	1	1		16.20		18.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630336	633332	636336	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630000	633332	636666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	629668	633332	637000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	629336	633332	637336	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	629000	633332	637666	Tune-up limit (dBm)	MPR	

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	18.32	18.50	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	18.28	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	18.32	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 Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P2 BPSK	1	1	1792	2030	2030			
100	P2 BPSK	1	1	20.27	20.36	20.31			
100	P2 BPSK	1	137	21.42	21.50	21.35	22.5	0.0	
100	P2 BPSK	1	271	20.73	20.85	20.70			
100	P2 BPSK	135	0	20.58	20.66	20.57	22.0	0.0	
100	P2 BPSK	135	69	21.41	21.46	21.33	22.5	0.0	
100	P2 BPSK	135	138	20.78	20.90	20.84	22.0	0.5	
100	P2 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	24.0	0.0	
100	QPSK	135	69			23.05			
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	22.70	22.70	22.69	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.82	22.87	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.77	22.84	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.68	22.73	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.68	22.73	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.55	22.77	22.86	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.59	22.76	22.81	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)	
Channel							
		Frequency (MHz)			3469.98		
100	PI2 BPSK	1	1	24.65			
100	PI2 BPSK	1	1	25.68			27.0
100	PI2 BPSK	1	127	25.34			0.0
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	134	25.34		26.5	0.5
100	PI2 BPSK	270	0	25.00			
100	QPSK	1	1	24.78			
100	QPSK	1	127	26.03			27.0
100	QPSK	1	1271	25.34			0.0
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			
100	16QAM	1	1	23.32		26.0	1.0
100	16QAM	1	1	21.85		26.0	1.0
100	256QAM	1	1	20.52		22.5	4.5
Channel							
		Frequency (MHz)		633000	633332	633666	
		Frequency (MHz)		3458	3469.98	3504.99	Time-up limit (dtb)
90	QPSK	1	1	25.67	25.81	25.86	27.0
Channel							
		Frequency (MHz)		634068	633332	634000	
		Frequency (MHz)		3460.02	3469.98	3510	Time-up limit (dtb)
80	QPSK	1	1	25.74	25.74	25.74	27.0
Channel							
		Frequency (MHz)		633234	633332	634332	
		Frequency (MHz)		3485.01	3469.98	3514.98	Time-up limit (dtb)
70	QPSK	1	1	25.56	25.62	25.77	27.0
Channel							
		Frequency (MHz)		632000	633332	634000	
		Frequency (MHz)		3460	3469.98	3519.99	Time-up limit (dtb)
60	QPSK	1	1	25.59	25.77	25.73	27.0
Channel							
		Frequency (MHz)		631668	633332	635000	
		Frequency (MHz)		3474.02	3469.98	3520	Time-up limit (dtb)
50	QPSK	1	1	25.61	25.70	25.70	27.0
Channel							
		Frequency (MHz)		631334	633332	635332	
		Frequency (MHz)		3470.01	3469.98	3526.98	Time-up limit (dtb)
40	QPSK	1	1	25.59	25.79	25.74	27.0
Channel							
		Frequency (MHz)		631000	633332	635556	
		Frequency (MHz)		3465	3469.98	3534.99	Time-up limit (dtb)
30	QPSK	1	1	25.67	25.73	25.76	27.0
Channel							
		Frequency (MHz)		630634	633332	635882	
		Frequency (MHz)		3462.61	3469.98	3537.64	Time-up limit (dtb)
25	QPSK	1	1	25.62	25.70	25.70	27.0
Channel							
		Frequency (MHz)		630668	633332	636000	
		Frequency (MHz)		3460.02	3469.98	3540	Time-up limit (dtb)
20	QPSK	1	1	25.60	25.71	25.75	27.0
Channel							
		Frequency (MHz)		630202	633332	636166	
		Frequency (MHz)		3457.5	3469.98	3542.49	Time-up limit (dtb)
15	QPSK	1	1	25.65	25.71	25.70	27.0
Channel							
		Frequency (MHz)		630334	633332	636332	
		Frequency (MHz)		3458.61	3469.98	3544.86	Time-up limit (dtb)
10	QPSK	1	1	25.65	25.74	25.86	27.0

Part20_n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (600000)	Power Middle Ch. Freq. (660000)	Power High Ch. Freq. (720000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	BPSK	1	1	23.52	23.54	23.51			
100	P2 BPSK	1	127	23.42	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	23.47	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	Tune-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	23.21	23.40	23.15	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.17	23.25	23.13	24.0	0.0	
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)									
25	QPSK	1	1	23.32	23.36	23.34	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.31	23.36	23.28	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.17	23.35	23.22	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.16	23.34	23.38	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	Pi2 BPSK	1	1	3750	3840	3930		
100	Pi2 BPSK	1	1	25.81	25.81	25.72		
100	Pi2 BPSK	1	137	20.39	20.39	20.43	27.0	0.0
100	Pi2 BPSK	1	271	25.98	25.84	25.84		
100	Pi2 BPSK	135	0	25.87	25.89	25.98	26.5	0.5
100	Pi2 BPSK	135	69	26.48	26.50	26.47	27.0	0.0
100	Pi2 BPSK	135	135	26.16	26.16	26.09	26.5	0.5
100	Pi2 BPSK	270	0	25.88	25.95	25.78		
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	25.49		
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	24.31	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	3445.55	3444	3434.08		
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	3740.01	3740	3739.99		
80	QPSK	1	1	26.32	26.40	26.23	27.0	0.0
Channel								
	Frequency (MHz)			666000	665000	663000	Turn-up time (dBm)	MPR (dB)
70	QPSK	1	1	3735	3840	3945		
70	QPSK	1	1	26.25	26.38	26.23	27.0	0.0
Channel								
	Frequency (MHz)			666000	665000	663032	Turn-up time (dBm)	MPR (dB)
70	QPSK	1	1	3730.00	3740	3740.00		
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	3723.01	3723	3724.99		
90	QPSK	1	1	26.33	26.33	26.29	27.0	0.0
Channel								
	Frequency (MHz)			666000	665000	664000	Turn-up time (dBm)	MPR (dB)
40	QPSK	1	1	3738	3840	3960		
40	QPSK	1	1	26.38	26.35	26.26	27.0	0.0
Channel								
	Frequency (MHz)			665000	664000	663032	Turn-up time (dBm)	MPR (dB)
35	QPSK	1	1	3715.92	3740	3740.98		
35	QPSK	1	1	26.36	26.38	26.26	27.0	0.0
Channel								
	Frequency (MHz)			667320	665000	664500	Turn-up time (dBm)	MPR (dB)
25	QPSK	1	1	3712.41	3740	3740.59		
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)
25	QPSK	1	1	3710.01	3740	3740.99		
25	QPSK	1	1	26.28	26.37	26.20	27.0	0.0
Channel								
	Frequency (MHz)			667320	665000	664512	Turn-up time (dBm)	MPR (dB)
15	QPSK	1	1	3707.52	3840	3972.48		
15	QPSK	1	1	26.27	26.36	26.28	27.0	0.0
Channel								
	Frequency (MHz)			667400	665000	665000	Turn-up time (dBm)	MPR (dB)
10	QPSK	1	1	3744	3840	3945		
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.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	20.45	3469.98		22.5	0.0	
100	Pl2 BPSK	1	137	21.13					
100	Pl2 BPSK	1	271	20.35			22.0	0.5	
100	Pl2 BPSK	135	0	20.62					
100	Pl2 BPSK	135	69	21.20			22.5	0.0	
100	Pl2 BPSK	135	138	20.48			22.0	0.5	
100	Pl2 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			21.5	1.0	
100	16QAM	1	1	17.70			20.0	2.5	
100	256QAM	1	1	18.21			18.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3465.02	3469.98	3510.99	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632334	633332	634330	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3485.01	3489.98	3514.98	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.02	21.02	21.07	22.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632200	633332	634400	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.99	21.00	20.99	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	635000	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3475.02	3469.98	3525.00	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631330	633332	635332	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.00	20.99	21.00	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631000	633332	635000	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.90	21.00	20.99	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630834	633332	635832	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	3459.51	3469.98	3537.45	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.99	20.99	21.05	22.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630668	633332	636000	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	3460.02	3469.98	3540.00	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.00	21.04	21.04	22.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630500	633332	634500	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3457.5	3469.98	3542.49	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.02	20.98	20.97	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630334	633332	636332	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3454.01	3469.98	3544.98	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
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)									
100	P2 BPSK	1	1	18.35	3750		19.5	0.0	
100	P2 BPSK	1	137	18.42					
100	P2 BPSK	1	271	18.49			19.5	0.0	
100	P2 BPSK	135	0	18.40					
100	P2 BPSK	135	69	18.47			19.5	0.0	
100	P2 BPSK	135	138	18.44			19.5	0.0	
100	P2 BPSK	270	0	18.41					
100	QPSK	1	1	17.56			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			19.5	0.0	
100	16QAM	1	1	17.27			18.0	1.5	
100	256QAM	1	1	18.88			18.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.17	18.33	18.20	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650666	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3740.01	3750	3759.99	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648900	650000	651100	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3735	3750	3765	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.31	18.10	18.07	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	649086	650000	651332	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3739.92	3750	3769.98	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.20	18.18	18.11	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	648334	650000	651666	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3725.01	3750	3774.99	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.10	18.20	18.13	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	648900	650000	652000	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3720	3750	3760	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.15	18.25	18.14	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647666	650000	652332	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3715.02	3750	3764.98	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.31	18.38	18.09	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647900	650000	652900	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3712.5	3750	3767.5	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.20	18.20	18.00	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647334	650000	652666	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3710.01	3750	3769.99	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.14	18.17	18.14	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3707.52	3750	3762.48	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.22	18.33	18.09	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3705	3750	3765	Tune-up limit (dbm)	MPR	
Channel									
Frequency (MHz)									
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 Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	20.50			22.5	0.0	
100	Pl2 BPSK	1	137	21.29					
100	Pl2 BPSK	1	271	20.53			22.0	0.5	
100	Pl2 BPSK	135	0	20.84					
100	Pl2 BPSK	135	69	21.39			22.5	0.0	
100	Pl2 BPSK	135	138	20.62			22.0	0.5	
100	Pl2 BPSK	270	0	20.48					
100	QPSK	1	1	20.51			22.5	0.0	
100	QPSK	1	137	21.47					
100	QPSK	1	271	20.37			22.5	0.0	
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)									
90	QPSK	1	1	16.26	15.25	21.16	22.5	0.0	
Channel									
Frequency (MHz)									
64	QPSK	1	1	648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
64	QPSK	1	1	3740.00	3750.00	3763.98	22.5	0.0	
Channel									
Frequency (MHz)									
64	QPSK	1	1	21.29	21.27	21.09	Tune-up limit (dBm)	MPR (dB)	
64	QPSK	1	1	3740.00	650000	651000	Tune-up limit (dBm)	MPR (dB)	
64	QPSK	1	1	3735	3750	3765	22.5	0.0	
70	QPSK	1	1	21.25	21.18	21.13	22.5	0.0	
Channel									
Frequency (MHz)									
64	QPSK	1	1	648334	650000	651332	Tune-up limit (dBm)	MPR (dB)	
64	QPSK	1	1	3730.00	3750	3769.98	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.11	21.28	21.16	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3725.01	3750	3774.99	22.5	0.0	
60	QPSK	1	1	21.25	21.18	21.12	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648334	650000	652000	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3720	3750	3780	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.20	21.28	21.07	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648334	650000	652332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3715.00	3750	3784.98	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.24	21.28	21.17	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3712.5	3750	3787.5	22.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.23	21.20	21.14	22.5	0.0	
Channel									
Frequency (MHz)									
64	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
64	QPSK	1	1	3715.01	3750	3789.99	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.16	21.25	21.08	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	647166	650000	652332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3707.53	3750	3792.48	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.21	21.28	21.18	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3705	3750	3795	22.5	0.0	
Channel									
Frequency (MHz)									
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	22.93					
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)	
Frequency (MHz)				3495	3499.98	3504.99			
80	QPSK	1	1	22.81	22.92	22.67	24.0	0.0	
Channel									
Frequency (MHz)				633008	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	22.83	22.99	22.58	24.0	0.0	
Channel									
Frequency (MHz)				634334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
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)	
Frequency (MHz)				3490	3499.98	3519.98			
60	QPSK	1	1	22.87	22.88	22.75	24.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	22.97	23.00	22.80	24.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	22.69	22.98	22.74	24.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	22.90	22.87	22.77	24.0	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3499.98	3537.45			
25	QPSK	1	1	22.87	22.84	22.95	24.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	22.57	22.78	22.81	24.0	0.0	
Channel									
Frequency (MHz)				632000	633332	637668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49			
15	QPSK	1	1	22.85	22.76	22.75	24.0	0.0	
Channel									
Frequency (MHz)				630334	633332	638332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3454.01	3499.98	3544.98			
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				3499.98					
Frequency (MHz)				633332					
100	Pl2 BPSK	1	1	24.05					
100	Pl2 BPSK	1	137	25.95			27.0	0.0	
100	Pl2 BPSK	1	271	26.60					
100	Pl2 BPSK	135	0	24.96			26.5	0.5	
100	Pl2 BPSK	135	69	25.75			27.0	0.0	
100	Pl2 BPSK	135	138	25.21			26.5	0.5	
100	Pl2 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				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3499.98	3504.99			
90	QPSK	1	1	25.78	25.50	25.69	27.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)		
Frequency (MHz)				3496.02	3499.98	3510			
80	QPSK	1	1	25.83	25.92	25.65	27.0	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)		
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1	25.80	25.88	25.67	27.0	0.0	
Channel				632000	633332	634668	Tune-up limit (dBm)		
Frequency (MHz)				3480	3499.98	3518.98			
60	QPSK	1	1	25.88	25.88	25.75	27.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)		
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	25.39	25.80	25.76	27.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)		
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	25.79	25.90	25.75	27.0	0.0	
Channel				631000	633332	635668	Tune-up limit (dBm)		
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	25.85	25.84	25.70	27.0	0.0	
Channel				630834	633332	635832	Tune-up limit (dBm)		
Frequency (MHz)				3462.51	3499.98	3537.45			
25	QPSK	1	1	25.78	25.85	25.65	27.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)		
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	25.88	25.81	25.75	27.0	0.0	
Channel				632000	633332	637668	Tune-up limit (dBm)		
Frequency (MHz)				3457.5	3499.98	3542.49			
15	QPSK	1	1	25.81	25.81	25.76	27.0	0.0	
Channel				632334	633332	638332	Tune-up limit (dBm)		
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	25.76	25.76	25.72	27.0	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										
Frequency (MHz)										
100	Pl2 BPSK	1	1	25.83	3750		27.0	0.0		
100	Pl2 BPSK	1	137	26.34						
100	Pl2 BPSK	1	271	25.96						
100	Pl2 BPSK	135	0	25.94			26.5	0.5		
100	Pl2 BPSK	135	69	26.39			27.0	0.0		
100	Pl2 BPSK	135	138	25.89			26.5	0.5		
100	Pl2 BPSK	270	0	25.79						
100	QPSK	1	1	25.80						
100	QPSK	1	137	26.44			27.0	0.0		
100	QPSK	1	271	25.79						
100	QPSK	135	0	25.23						
100	QPSK	135	69	26.16			27.0	0.0		
100	QPSK	135	138	25.29						
100	QPSK	270	0	25.08						
100	16QAM	1	1	24.22			26.0	1.0		
100	16QAM	1	1	22.81			26.0	1.0		
100	16QAM	1	1	22.81			24.5	2.5		
100	256QAM	1	1	21.12			22.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	648668	650000	650332	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
90	QPSK	1	1	648634	650000	650666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3740.01	3750	3759.99	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	648600	650000	651000	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	26.20	3750	3765	26.21	27.0	0.0	
Channel										
Frequency (MHz)										
60	QPSK	1	1	3759.02	3750	3760.98	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	26.11	26.26	26.26	26.26	27.0	0.0	
Channel										
Frequency (MHz)										
50	QPSK	1	1	648634	650000	651666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	3758.01	3750	3761.99	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	26.15	26.21	26.18	27.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	3755.02	3750	3754.98	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	26.20	26.27	26.18	27.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	647200	650000	652200	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
25	QPSK	1	1	26.17	26.25	26.10	27.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	3750.01	3750	3759.99	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
15	QPSK	1	1	26.22	26.23	26.16	27.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3767.52	3750	3762.48	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	647200	650000	653000	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	26.21	26.27	26.25	27.0	0.0		

Part27Q_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										
Frequency (MHz)										
100	Pl2 BPSK	1	1	18.40	633332	636938	19.5	0.0		
100	Pl2 BPSK	1	137	18.46						
100	Pl2 BPSK	1	271	18.34						
100	Pl2 BPSK	135	0	18.46			19.5	0.0		
100	Pl2 BPSK	135	69	18.34			19.5	0.0		
100	Pl2 BPSK	135	138	18.42			19.5	0.0		
100	Pl2 BPSK	270	0	18.46						
100	QPSK	1	1	17.97						
100	QPSK	1	137	18.50			19.5	0.0		
100	QPSK	1	271	18.48						
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						
100	16QAM	1	1	18.49			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										
Frequency (MHz)										
90	QPSK	1	1	18.26	633000	634200	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
90	QPSK	1	1	632608	633332	634000	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	369002	369938	370100	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	632334	633332	634332	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	368501	369938	371438	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.23	18.38	18.22	19.5	0.0	0.0	0.0
Channel										
Frequency (MHz)										
60	QPSK	1	1	632000	633332	635000	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	3680	369938	371938	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.30	18.25	18.30	19.5	0.0	0.0	0.0
Channel										
Frequency (MHz)										
60	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	367802	369938	370100	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.21	18.42	18.20	19.5	0.0	0.0	0.0
Channel										
Frequency (MHz)										
40	QPSK	1	1	361330	363332	365332	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.19	18.44	18.38	19.5	0.0	0.0	0.0
Channel										
Frequency (MHz)										
40	QPSK	1	1	631000	633332	635500	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	3685	369938	370438	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.24	18.46	18.18	19.5	0.0	0.0	0.0
Channel										
Frequency (MHz)										
30	QPSK	1	1	630804	633332	635832	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
25	QPSK	1	1	368241	369938	371741	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
25	QPSK	1	1	18.22	18.25	18.41	19.5	0.0	0.0	0.0
Channel										
Frequency (MHz)										
25	QPSK	1	1	630608	633332	635000	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	366002	369938	370400	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.22	18.21	18.20	19.5	0.0	0.0	0.0
Channel										
Frequency (MHz)										
15	QPSK	1	1	632503	633332	634100	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
15	QPSK	1	1	3657.5	369938	370249	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.08	18.43	18.39	19.5	0.0	0.0	0.0
Channel										
Frequency (MHz)										
15	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3658.61	369938	370448	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.04	18.48	18.37	19.5	0.0	0.0	0.0

Part27Q_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										
Frequency (MHz)										
100	PQ2 BPSK	1	1	20.75	633332	636668	22.5	0.0		
100	PQ2 BPSK	1	137	21.43						
100	PQ2 BPSK	1	271	20.32						
100	PQ2 BPSK	135	0	20.88			22.0	0.0		
100	PQ2 BPSK	135	69	21.35			22.5	0.0		
100	PQ2 BPSK	135	138	20.61			22.0	0.5		
100	PQ2 BPSK	270	0	20.72						
100	QPSK	1	1	20.84						
100	QPSK	1	137	21.45			22.5	0.0		
100	QPSK	1	271	20.35						
100	QPSK	135	0	20.33						
100	QPSK	135	69	21.37			22.5	0.0		
100	QPSK	135	138	20.01						
100	QPSK	270	0	20.14						
100	16QAM	1	1	19.53			21.5	1.0		
100	16QAM	1	1	18.05			21.5	1.0		
100	16QAM	1	1	18.05			20.0	2.5		
100	256QAM	1	1	18.51			18.0	4.5		
Channel										
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dbm)	MPR (db)		
90	QPSK	1	1	21.32	21.35	21.27	22.5	0.0		
Channel										
80	QPSK	1	1	632608	633332	634000	Tune-up limit (dbm)	MPR (db)		
80	QPSK	1	1	3490.02	3499.98	3510	22.5	0.0		
Frequency (MHz)										
80	QPSK	1	1	21.32	21.32	21.27	22.5	0.0		
80	QPSK	1	1	632334	633332	634332	Tune-up limit (dbm)	MPR (db)		
80	QPSK	1	1	3485.01	3499.98	3514.98	22.5	0.0		
70	QPSK	1	1	21.29	21.39	21.26	22.5	0.0		
Channel										
60	QPSK	1	1	632000	633332	634000	Tune-up limit (dbm)	MPR (db)		
60	QPSK	1	1	3480	3499.98	3519.98	22.5	0.0		
Frequency (MHz)										
60	QPSK	1	1	21.25	21.34	21.30	22.5	0.0		
60	QPSK	1	1	631608	633332	635000	Tune-up limit (dbm)	MPR (db)		
60	QPSK	1	1	3478.02	3499.98	3505.98	22.5	0.0		
Frequency (MHz)										
60	QPSK	1	1	21.23	21.33	21.25	22.5	0.0		
Channel										
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dbm)	MPR (db)		
40	QPSK	1	1	3470.51	3499.98	3509.98	22.5	0.0		
Frequency (MHz)										
40	QPSK	1	1	21.25	21.37	21.33	22.5	0.0		
Channel										
30	QPSK	1	1	631000	633332	636000	Tune-up limit (dbm)	MPR (db)		
30	QPSK	1	1	3465	3499.98	3534.98	22.5	0.0		
Frequency (MHz)										
30	QPSK	1	1	21.24	21.36	21.25	22.5	0.0		
Channel										
20	QPSK	1	1	630834	633332	635832	Tune-up limit (dbm)	MPR (db)		
20	QPSK	1	1	3462.51	3499.98	3537.48	22.5	0.0		
Frequency (MHz)										
20	QPSK	1	1	21.21	21.23	21.31	22.5	0.0		
Channel										
15	QPSK	1	1	630608	633332	636000	Tune-up limit (dbm)	MPR (db)		
15	QPSK	1	1	3460.02	3499.98	3540	22.5	0.0		
Frequency (MHz)										
15	QPSK	1	1	21.25	21.26	21.26	22.5	0.0		
Channel										
10	QPSK	1	1	630700	633332	636100	Tune-up limit (dbm)	MPR (db)		
10	QPSK	1	1	3457.5	3499.98	3532.49	22.5	0.0		
Frequency (MHz)										
10	QPSK	1	1	21.18	21.42	21.32	22.5	0.0		
Channel										
10	QPSK	1	1	630334	633332	636332	Tune-up limit (dbm)	MPR (db)		
10	QPSK	1	1	3458.51	3499.98	3534.98	22.5	0.0		
Frequency (MHz)										
10	QPSK	1	1	21.19	21.40	21.30	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				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	

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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				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				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 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				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

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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		13.0	0.0	
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	
				3465	3469.98	3504.99	(dBm)	(dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	632968	633332	634000	Tune-up limit (dBm)	MPR	
				3460.02	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	637666	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	641000	Tune-up limit (dBm)	MPR	
				3447.5	3469.98	3537.5	(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		16.0	0.0	
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		16.0	0.0	
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		16.0	0.0	
100	QPSK	135	69		14.40		16.0	0.0	
100	QPSK	135	138		14.20		16.0	0.0	
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	3514.98			
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	637666	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)	
				3455.91	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	16.0	0.0	

Part270_n77_Ant 5									
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	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)									
20	QPSK	1	1	58000	65000	66450	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3712.5	3840	3971.5			
20	QPSK	1	1	11.23	11.32	11.20	13.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	57450	65000	66466	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3710.01	3840	3968.69			
15	QPSK	1	1	11.11	11.30	11.07	13.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	56768	65000	66482	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3707.52	3840	3972.48			
10	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_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)									
				600000	660000	660000			
				3750	3840	3930			
100	Pl2 BPSK	1	1	18.44	18.40	18.33		19.5	0.0
100	Pl2 BPSK	1	137	18.40	18.44	18.52			
100	Pl2 BPSK	1	271	18.28	18.37	18.30		19.5	0.0
100	Pl2 BPSK	135	0	18.45	18.42	18.51			
100	Pl2 BPSK	135	69	18.31	18.39	18.35	19.5	0.0	
100	Pl2 BPSK	135	138	18.32	18.50	18.54	19.5	0.0	
100	Pl2 BPSK	270	0	18.35	18.45	18.39		19.5	0.0
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		19.5	0.0
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		19.5	0.0
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)									
90	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	18.32	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)				3750	3840	3930			
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		0.0
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	20.84	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		21.5	1.0
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)				66968	65600	66032	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	21.27	21.40	21.20	22.5	0.0	
Channel									
Frequency (MHz)				66934	66600	66066	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	21.41	21.39	21.31	22.5	0.0	
Channel									
Frequency (MHz)				66900	65930	66009	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	21.40	21.49	21.22	22.5	0.0	
Channel									
Frequency (MHz)				66868	66600	66032	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	21.39	21.46	21.22	22.5	0.0	
Channel									
Frequency (MHz)				66834	66600	66066	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	21.35	21.48	21.29	22.5	0.0	
Channel									
Frequency (MHz)				66800	65930	66040	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	21.35	21.35	21.33	22.5	0.0	
Channel									
Frequency (MHz)				66762	66532	66066	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.33	21.36	21.28	22.5	0.0	
Channel									
Frequency (MHz)				64790	66000	66490	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.35	21.44	21.29	22.5	0.0	
Channel									
Frequency (MHz)				64740 <th>66400<td>66496</td></th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	66400 <td>66496</td>	66496	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.29	21.48	21.21	22.5	0.0	
Channel									
Frequency (MHz)				64702	66430 <td>3972.48</td>	3972.48	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.32	21.41	21.21	22.5	0.0	
Channel									
Frequency (MHz)				64700	66000 <td>66000</td>	66000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.29	21.39	21.24	22.5	0.0	

Par27Q_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		3499.98				
100	Pl2 BPSK	1	1		15.44				
100	Pl2 BPSK	1	137		15.47		16.5	0.0	
100	Pl2 BPSK	1	271		15.41				
100	Pl2 BPSK	135	0		15.37		16.5	0.0	
100	Pl2 BPSK	135	69		15.49		16.5	0.0	
100	Pl2 BPSK	135	138		15.36		16.5	0.0	
100	Pl2 BPSK	270	0		15.49		16.5	0.0	
100	QPSK	1	1		14.56				
100	QPSK	1	137		15.56		16.5	0.0	
100	QPSK	1	271		15.35				
100	QPSK	135	0		15.32				
100	QPSK	135	69		15.49		16.5	0.0	
100	QPSK	135	138		15.44		16.5	0.0	
100	QPSK	270	0		15.36		16.5	0.0	
100	16QAM	1	1		15.41		16.5	0.0	
100	64QAM	1	1		15.43		16.5	0.0	
100	256QAM	1	1		15.48		16.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.17	15.24	15.05	16.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.96	14.99	15.05	16.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.16	15.31	15.21	16.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.23	15.14	15.21	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.18	15.15	15.17	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.13	15.07	15.16	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.09	15.07	14.98	16.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.09	15.15	15.20	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.90	15.21	14.96	16.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.90	15.21	14.96	16.5	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)				3699.98					
100	Pl2 BPSK	1	1	18.42					
100	Pl2 BPSK	1	137	18.36			19.5	0.0	
100	Pl2 BPSK	1	271	18.50					
100	Pl2 BPSK	135	0	18.49			19.5	0.0	
100	Pl2 BPSK	135	69	18.41			19.5	0.0	
100	Pl2 BPSK	135	138	18.32					
100	Pl2 BPSK	270	0	18.47			19.5	0.0	
100	QPSK	1	1	17.46					
100	QPSK	1	137	18.57			19.5	0.0	
100	QPSK	1	271	18.39					
100	QPSK	135	0	18.36			19.5	0.0	
100	QPSK	135	69	18.45					
100	QPSK	135	138	18.36					
100	QPSK	270	0	18.50			19.5	0.0	
100	16QAM	1	1	18.47			19.5	0.0	
100	64QAM	1	1	18.48			19.5	0.0	
100	256QAM	1	1	18.51			19.5	0.0	
Channel									
Frequency (MHz)				630000	635332	635966	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	18.17	18.09	18.02	19.5	0.0	
Channel									
Frequency (MHz)				630968	635332	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	18.07	18.20	18.11	19.5	0.0	
Channel									
Frequency (MHz)				635234	635332	635332	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	18.17	18.32	18.21	19.5	0.0	
Channel									
Frequency (MHz)				635000	635332	634666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	18.16	18.05	18.14	19.5	0.0	
Channel									
Frequency (MHz)				631968	635332	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	18.03	18.07	18.16	19.5	0.0	
Channel									
Frequency (MHz)				631234	635332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	18.02	18.07	18.13	19.5	0.0	
Channel									
Frequency (MHz)				631000	635332	635666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.27	18.01	18.15	19.5	0.0	
Channel									
Frequency (MHz)				634004	635332	636832	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.21	18.09	18.11	19.5	0.0	
Channel									
Frequency (MHz)				636008	635332	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.02	18.20	18.13	19.5	0.0	
Channel									
Frequency (MHz)				635000	635332	636166	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.86	18.25	18.11	19.5	0.0	
Channel									
Frequency (MHz)				630334	635332	636332	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.93	18.26	17.97	19.5	0.0	

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)				3750	3840	3930			
100	Pl2 BPSK	1	1	15.89	15.88	15.86			
100	Pl2 BPSK	1	137	15.89	15.88	16.01	16.5	0.0	
100	Pl2 BPSK	1	271	16.08	16.03	16.04			
100	Pl2 BPSK	135	0	15.81	15.97	15.95	16.5	0.0	
100	Pl2 BPSK	135	69	15.84	15.99	16.05	16.5	0.0	
100	Pl2 BPSK	135	138	15.91	15.96	15.99			
100	Pl2 BPSK	270	0	15.89	16.08	15.85	16.5	0.0	
100	QPSK	1	1	15.17	15.16	15.26			
100	QPSK	1	137	16.04	16.11	16.05	16.5	0.0	
100	QPSK	1	271	15.92	15.94	15.95			
100	QPSK	135	0	15.89	15.96	15.99			
100	QPSK	135	69	16.03	16.06	16.04	16.5	0.0	
100	QPSK	135	138	15.88	15.92	15.80			
100	QPSK	270	0	15.99	16.04	15.90	16.5	0.0	
100	16QAM	1	1	15.96	15.89	15.89	16.5	0.0	
100	64QAM	1	1	15.92	15.96	15.91	16.5	0.0	
100	256QAM	1	1	15.93	15.90	15.82	16.5	0.0	
Channel									
Frequency (MHz)				64998	65600	66232	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	15.88	15.83	15.73	16.5	0.0	
Channel									
Frequency (MHz)				649334	660600	662686	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3740.01	3840	3939.99			
Channel									
Frequency (MHz)				15.84	15.89	15.58	16.5	0.0	
Channel									
Frequency (MHz)				660000	660000	660000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	15.77	15.81	15.70	16.5	0.0	
Channel									
Frequency (MHz)				64998	65600	66332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3740.02	3840	3949.98			
Channel									
Frequency (MHz)				15.72	15.80	15.82	16.5	0.0	
Channel									
Frequency (MHz)				649334	660600	663686	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3725.01	3840	3954.99			
Channel									
Frequency (MHz)				649900	655600	664000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.71	15.82	15.60	16.5	0.0	
Channel									
Frequency (MHz)				64798	65600	66432	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3740.02	3840	3949.98			
30	QPSK	1	1	15.89	15.93	15.74	16.5	0.0	
Channel									
Frequency (MHz)				374234	3840	39675	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	15.70	15.76	15.64	16.5	0.0	
Channel									
Frequency (MHz)				649334	655600	664686	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	15.74	15.70	15.58	16.5	0.0	
Channel									
Frequency (MHz)				64748	655600	664832	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3740.02	3840	3972.98			
15	QPSK	1	1	15.53	15.85	15.72	16.5	0.0	
Channel									
Frequency (MHz)				649040	666600	665000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.59	15.84	15.81	16.5	0.0	

Part27O_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	18.92	18.93	18.90			
100	Pl2 BPSK	1	137	18.99	19.05	19.05	19.5	0.0	
100	Pl2 BPSK	1	271	18.94	18.95	18.99			
100	Pl2 BPSK	135	0	18.92	18.89	18.94	19.5	0.0	
100	Pl2 BPSK	135	69	19.01	18.97	19.04	19.5	0.0	
100	Pl2 BPSK	135	138	18.90	18.98	18.86			
100	Pl2 BPSK	270	0	19.02	18.96	18.99	19.5	0.0	
100	QPSK	1	1	18.27	18.18	18.28			
100	QPSK	1	137	19.05	19.10	19.05	19.5	0.0	
100	QPSK	1	271	18.99	18.88	18.91			
100	QPSK	135	0	18.96	19.06	18.84			
100	QPSK	135	69	19.05	19.07	19.02	19.5	0.0	
100	QPSK	135	138	19.02	18.99	18.82			
100	QPSK	270	0	18.94	19.06	19.04	19.5	0.0	
100	16QAM	1	1	18.84	18.97	18.92	19.5	0.0	
100	64QAM	1	1	18.95	18.92	18.88	19.5	0.0	
100	256QAM	1	1	19.00	19.05	18.82	19.5	0.0	
Channel									
Channel				669968	669600	669232	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3644	3534.88	(dBm)	(dB)	
90	QPSK	1	1	18.71	18.80	18.71	19.5	0.0	
Channel									
Channel				669334	669600	669266	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3640	3539.99	(dBm)	(dB)	
80	QPSK	1	1	18.72	18.85	18.66	19.5	0.0	
Channel									
Channel				669000	669600	669300	Tune-up limit	MPR	
Frequency (MHz)				3738	3640	3540	(dBm)	(dB)	
70	QPSK	1	1	18.77	18.94	18.60	19.5	0.0	
Channel									
Channel				669698	669600	669332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3640	3540.98	(dBm)	(dB)	
60	QPSK	1	1	18.61	18.85	18.66	19.5	0.0	
Channel									
Channel				668334	669600	669366	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3640	3549.99	(dBm)	(dB)	
50	QPSK	1	1	18.73	18.82	18.73	19.5	0.0	
Channel									
Channel				669000	669600	669400	Tune-up limit	MPR	
Frequency (MHz)				3720	3640	3560	(dBm)	(dB)	
40	QPSK	1	1	18.86	18.83	18.82	19.5	0.0	
Channel									
Channel				667168	669600	668432	Tune-up limit	MPR	
Frequency (MHz)				3644	3640	3644.98	(dBm)	(dB)	
30	QPSK	1	1	18.79	18.81	18.66	19.5	0.0	
Channel									
Channel				667500	669600	668400	Tune-up limit	MPR	
Frequency (MHz)				3723.24	3640	3567.75	(dBm)	(dB)	
25	QPSK	1	1	18.78	18.79	18.64	19.5	0.0	
Channel									
Channel				667334	669600	668366	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3640	3569.99	(dBm)	(dB)	
20	QPSK	1	1	18.75	18.74	18.70	19.5	0.0	
Channel									
Channel				667168	669600	668432	Tune-up limit	MPR	
Frequency (MHz)				3644	3640	3672.43	(dBm)	(dB)	
15	QPSK	1	1	18.48	18.71	18.78	19.5	0.0	
Channel									
Channel				667000	669600	669500	Tune-up limit	MPR	
Frequency (MHz)				3702	3640	3575	(dBm)	(dB)	
10	QPSK	1	1	18.70	18.72	18.66	19.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	PQ2 BPSK	1	1	18.26					
100	PQ2 BPSK	1	137	18.43			19.5	0.0	
100	PQ2 BPSK	1	271	18.46					
100	PQ2 BPSK	135	0	18.44			19.5	0.0	
100	PQ2 BPSK	135	69	18.38			19.5	0.0	
100	PQ2 BPSK	135	138	18.40			19.5	0.0	
100	PQ2 BPSK	270	0	18.39					
100	QPSK	1	1	17.92					
100	QPSK	1	137	18.53			19.5	0.0	
100	QPSK	1	271	18.47					
100	QPSK	135	0	18.46			19.5	0.0	
100	QPSK	135	69	18.50					
100	QPSK	135	138	18.48					
100	QPSK	270	0	18.45			19.5	0.0	
100	16QAM	1	1	18.51			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									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
80	QPSK	1	1	18.28	18.38	18.33	19.5	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	18.35	18.34	18.30	19.5	0.0	
Channel									
Frequency (MHz)				634214	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	18.32	18.46	18.24	19.5	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	18.21	18.40	18.27	19.5	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	18.20	18.35	18.28	19.5	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	18.16	18.27	18.39	19.5	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	18.25	18.30	18.21	19.5	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3499.98	3537.49	(dBm)	(dB)	
25	QPSK	1	1	18.24	18.22	18.24	19.5	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	18.23	18.32	18.26	19.5	0.0	
Channel									
Frequency (MHz)				632000	633332	636166	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)	
15	QPSK	1	1	18.11	18.49	18.41	19.5	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3454.01	3499.98	3545.98	(dBm)	(dB)	
10	QPSK	1	1	18.16	18.45	18.43	19.5	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	20.17					
100	PQ2 BPSK	1	137	21.16			22.5	0.0	
100	PQ2 BPSK	1	271	20.31					
100	PQ2 BPSK	135	0	20.34			22.0	0.5	
100	PQ2 BPSK	135	69	21.10			22.5	0.0	
100	PQ2 BPSK	135	138	20.38			22.0	0.5	
100	PQ2 BPSK	270	0	19.62					
100	QPSK	1	1	20.26					
100	QPSK	1	137	21.33			22.5	0.0	
100	QPSK	1	271	20.31					
100	QPSK	135	0	19.73			22.5	0.0	
100	QPSK	135	69	21.16					
100	QPSK	135	138	19.80					
100	QPSK	270	0	20.33			21.5	1.0	
100	16QAM	1	1	18.78			21.5	1.0	
100	64QAM	1	1	17.14			20.0	2.5	
100	256QAM	1	1	18.63			18.0	4.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
90	QPSK	1	1	21.12	21.21	21.08	22.5	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3496.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	21.15	21.26	21.09	22.5	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	21.29	21.30	21.06	22.5	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	21.12	21.09	21.00	22.5	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	21.10	21.13	21.11	22.5	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	21.24	21.08	21.09	22.5	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	21.06	21.12	21.05	22.5	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3499.98	3537.49	(dBm)	(dB)	
25	QPSK	1	1	21.07	21.16	20.99	22.5	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	21.28	21.16	21.10	22.5	0.0	
Channel									
Frequency (MHz)				632000	633332	636166	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)	
15	QPSK	1	1	21.15	21.09	21.16	22.5	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3454.01	3499.98	3545.98	(dBm)	(dB)	
10	QPSK	1	1	21.18	21.09	21.21	22.5	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				65000	66600	66000			
Frequency (MHz)				3750	3840	3930			
100	Pl2 BPSK	1	1	18.44	18.44	18.33			
100	Pl2 BPSK	1	137	18.30	18.42	18.23	19.5	0.0	
100	Pl2 BPSK	1	271	18.40	18.37	18.38			
100	Pl2 BPSK	135	0	18.38	18.34	18.32	19.5	0.0	
100	Pl2 BPSK	135	69	18.40	18.44	18.29	19.5	0.0	
100	Pl2 BPSK	135	138	18.38	18.33	18.25	19.5	0.0	
100	Pl2 BPSK	270	0	18.36	18.40	18.26			
100	QPSK	1	1	17.32	17.53	17.40			
100	QPSK	1	137	18.08	18.47	18.02	19.5	0.0	
100	QPSK	1	271	18.26	18.42	18.41			
100	QPSK	135	0	18.35	18.33	18.30			
100	QPSK	135	69	18.38	18.39	18.37			
100	QPSK	135	138	18.53	18.37	18.37	19.5	0.0	
100	QPSK	270	0	17.31	18.31	18.19			
100	16QAM	1	1	18.34	18.34	18.37	19.5	0.0	
100	64QAM	1	1	17.15	17.26	17.16	19.5	0.0	
100	256QAM	1	1	15.75	15.57	15.70	18.0	1.5	
Channel				66000	65000	66000			
Frequency (MHz)				3745.02	3840	3934.98			
80	QPSK	1	1	18.32	18.41	18.23	19.5	0.0	
Channel				663334	666000	662666			
Frequency (MHz)				3763.91	3840	3930.09			
80	QPSK	1	1	18.15	18.33	18.27	19.5	0.0	
Channel				668000	666000	663000			
Frequency (MHz)				3735	3840	3945			
80	QPSK	1	1	18.35	18.16	18.24	19.5	0.0	
Channel				668000	665000	663332			
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	18.31	18.24	18.25	19.5	0.0	
Channel				664334	666000	663666			
Frequency (MHz)				3768.91	3840	3954.09			
50	QPSK	1	1	18.33	18.22	18.19	19.5	0.0	
Channel				668000	666000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.24	18.15	18.25	19.5	0.0	
Channel				664334	665000	663332			
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1	18.28	18.20	18.30	19.5	0.0	
Channel				668000	665000	664500			
Frequency (MHz)				3712.91	3840	3961.5			
25	QPSK	1	1	18.25	18.22	18.30	19.5	0.0	
Channel				667534	666000	664666			
Frequency (MHz)				3710.91	3840	3969.99			
20	QPSK	1	1	18.22	18.20	18.25	19.5	0.0	
Channel				667168	665000	664832			
Frequency (MHz)				3707.52	3840	3972.48			
15	QPSK	1	1	18.22	18.29	18.11	19.5	0.0	
Channel				667000	665000	665000			
Frequency (MHz)				3716	3840	3975			
10	QPSK	1	1	18.17	18.29	18.09	19.5	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	20.34	20.36	20.21	22.5	0.0		
100	Pl2 BPSK	1	137	21.35	21.38	21.32				
100	Pl2 BPSK	1	271	20.29	20.40	20.29				
100	Pl2 BPSK	135	0	20.43	20.49	20.39	22.0	0.5		
100	Pl2 BPSK	135	69	21.18	21.21	21.16	22.5	0.0		
100	Pl2 BPSK	135	138	20.48	20.52	20.49	22.0	0.5		
100	Pl2 BPSK	270	0	19.49	19.64	19.58				
100	QPSK	1	1	20.34	20.39	20.34				
100	QPSK	1	137	21.40	21.44	21.37	22.5	0.0		
100	QPSK	1	271	20.21	20.36	20.21	22.5	0.0		
100	QPSK	135	0	19.76	19.78	19.71				
100	QPSK	135	69	21.17	21.22	21.08				
100	QPSK	135	138	19.78	19.85	19.84	21.5	1.0		
100	QPSK	270	0	20.25	20.29	20.28				
100	16QAM	1	1	19.78	19.89	19.78				
100	64QAM	1	1	17.15	17.26	17.16	20.0	2.5		
100	256QAM	1	1	15.75	15.77	15.70	18.0	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	21.34	21.35	21.28	22.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	21.24	21.26	21.22	22.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	21.31	21.26	21.24	22.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	21.30	21.36	21.19	22.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	21.32	21.28	21.18	22.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	21.27	21.25	21.26	22.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	21.30	21.26	21.23	22.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	21.32	21.31	21.27	22.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	21.22	21.37	21.31	22.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	21.24	21.25	21.20	22.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	21.22	21.27	21.21	22.5	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	Pl2 BPSK	1	1	11.47			13.0	0.0					
100	Pl2 BPSK	1	137		11.50								
100	Pl2 BPSK	1	271		11.39								
100	Pl2 BPSK	135	0		11.39		13.0	0.0					
100	Pl2 BPSK	135	69		11.40		13.0	0.0					
100	Pl2 BPSK	135	138		11.51		13.0	0.0					
100	Pl2 BPSK	270	0		11.45								
100	QPSK	1	1		10.65								
100	QPSK	1	137		11.53		13.0	0.0					
100	QPSK	1	271		11.36		13.0	0.0					
100	QPSK	135	0		11.42								
100	QPSK	135	69		11.47								
100	QPSK	135	138		11.45		13.0	0.0					
100	16QAM	1	1		11.48		13.0	0.0					
100	64QAM	1	1		11.39		13.0	0.0					
100	256QAM	1	1		11.56		13.0	0.0					
Channel													
Frequency (MHz)													
90	QPSK	1	1	633000	633332	633668	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
70	QPSK	1	1	632334	633332	634332	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
60	QPSK	1	1	631999	633332	634999	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
50	QPSK	1	1	631668	633332	635668	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
40	QPSK	1	1	631334	633332	636332	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
30	QPSK	1	1	631000	633332	636999	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
25	QPSK	1	1	630668	633332	637668	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	1	630334	633332	638332	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
15	QPSK	1	1	630000	633332	638999	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
10	QPSK	1	1	629668	633332	639668	Tune-up limit (dBm)	MPR (dB)					

Part27Q_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		14.37		16.0	0.0		
100	Pl2 BPSK	1	137		14.49					
100	Pl2 BPSK	1	271		14.39					
100	Pl2 BPSK	135	0		14.39		16.0	0.0		
100	Pl2 BPSK	135	69		14.57		16.0	0.0		
100	Pl2 BPSK	135	138		14.46		16.0	0.0		
100	Pl2 BPSK	270	0		14.59					
100	QPSK	1	1		13.48					
100	QPSK	1	137		14.55		16.0	0.0		
100	QPSK	1	271		14.46					
100	QPSK	135	0		14.46					
100	QPSK	135	69		14.51		16.0	0.0		
100	QPSK	135	138		14.58		16.0	0.0		
100	QPSK	270	0		14.51		16.0	0.0		
100	16QAM	1	1		14.37					
100	64QAM	1	1		14.51					
100	256QAM	1	1		14.48		16.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63800	63532	63866	16.0	0.0		
				3495	3499.98	3504.99				
90	QPSK	1	1	14.30	14.32	14.28	16.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	63268	63332	63400	Tune-up limit (dBm)	MPR (dB)		
				35102	3499.98	3504.99				
80	QPSK	1	1	14.43	14.40	14.26	16.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	63234	63332	63432	Tune-up limit (dBm)	MPR (dB)		
				3485.01	3499.98	3514.98				
70	QPSK	1	1	14.40	14.39	14.21	16.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63200	63332	63566	Tune-up limit (dBm)	MPR (dB)		
				3480	3499.98	3519.99				
60	QPSK	1	1	14.36	14.47	14.30	16.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	63168	63332	63500	Tune-up limit (dBm)	MPR (dB)		
				3415.98	3499.98	3504.99				
50	QPSK	1	1	14.35	14.31	14.17	16.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	63134	63332	63532	Tune-up limit (dBm)	MPR (dB)		
				3470.01	3499.98	3520.98				
40	QPSK	1	1	14.37	14.40	14.34	16.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	63100	63332	63566	Tune-up limit (dBm)	MPR (dB)		
				3465	3499.98	3534.99				
30	QPSK	1	1	14.31	14.52	14.48	16.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	63054	63332	63582	Tune-up limit (dBm)	MPR (dB)		
				3462.91	3499.98	3537.48				
25	QPSK	1	1	14.27	14.39	14.25	16.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	63068	63552	63800	Tune-up limit (dBm)	MPR (dB)		
				3470.02	3499.98	3540				
15	QPSK	1	1	14.34	14.25	14.20	16.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	63000	63332	63816	Tune-up limit (dBm)	MPR (dB)		
				3457.5	3499.98	3542.49				
15	QPSK	1	1	14.21	14.44	14.19	16.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	63035	63552	63832	Tune-up limit (dBm)	MPR (dB)		
				3465.01	3499.98	3544.86				
10	QPSK	1	1	14.12	14.53	14.37	16.0	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		11.53				
100	PQ2 BPSK	1	137		11.61		13.0	0.0	
100	PQ2 BPSK	1	271		11.51				
100	PQ2 BPSK	135	0		11.61		13.0	0.0	
100	PQ2 BPSK	135	69		11.58		13.0	0.0	
100	PQ2 BPSK	135	138		11.50		13.0	0.0	
100	PQ2 BPSK	270	0		11.64				
100	QPSK	1	1		10.59				
100	QPSK	1	137		11.67		13.0	0.0	
100	QPSK	1	271		11.64				
100	QPSK	135	0		11.54				
100	QPSK	135	69		11.56		13.0	0.0	
100	QPSK	135	138		11.56				
100	QPSK	270	0		11.57		13.0	0.0	
100	16QAM	1	1		11.59		13.0	0.0	
100	64QAM	1	1		11.53		13.0	0.0	
100	256QAM	1	1		11.50		13.0	0.0	
Channel									
				649668	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
90	QPSK	1	1		11.50	11.46	11.45	13.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1		11.52	11.50	11.53	13.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
70	QPSK	1	1		11.51	11.48	11.51	13.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
60	QPSK	1	1		11.31	11.58	11.39	13.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
50	QPSK	1	1		3725.01	3750	3774.98	(dBm)	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
40	QPSK	1	1		11.35	11.52	11.38	13.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
30	QPSK	1	1		11.37	11.32	11.36	13.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
25	QPSK	1	1		11.28	11.24	11.25	13.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
20	QPSK	1	1		11.37	11.32	11.42	13.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
15	QPSK	1	1		11.36	11.37	11.37	13.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)									
10	QPSK	1	1		11.56	11.51	11.41	13.0	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		14.51				
100	Pl2 BPSK	1	137		14.54		16.0	0.0	
100	Pl2 BPSK	1	271		14.48				
100	Pl2 BPSK	135	0		14.55		16.0	0.0	
100	Pl2 BPSK	135	69		14.57		16.0	0.0	
100	Pl2 BPSK	135	138		14.65		16.0	0.0	
100	Pl2 BPSK	270	0		14.55				
100	QPSK	1	1		13.50				
100	QPSK	1	137		14.70		16.0	0.0	
100	QPSK	1	271		14.53				
100	QPSK	135	0		14.56				
100	QPSK	135	69		14.67		16.0	0.0	
100	QPSK	135	138		14.58				
100	QPSK	270	0		14.58		16.0	0.0	
100	16QAM	1	1		14.63		16.0	0.0	
100	64QAM	1	1		14.58		16.0	0.0	
100	256QAM	1	1		14.56		16.0	0.0	
Channel									
				649668	650000	650332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
90	QPSK	1	1		3742.02	3750	3754.98	(dBm)	
Channel									
				648334	650000	650668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
80	QPSK	1	1		14.36	14.54	14.48	16.0	0.0
Channel									
				648000	650000	651000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
70	QPSK	1	1		14.47	14.45	14.50	16.0	0.0
Channel									
				648668	650000	651332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
60	QPSK	1	1		14.42	14.51	14.34	16.0	0.0
Channel									
				648334	650000	651668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
50	QPSK	1	1		3725.01	3750	3774.98	(dBm)	
Channel									
				647668	650000	652000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
40	QPSK	1	1		14.49	14.40	14.31	16.0	0.0
Channel									
				647334	650000	652332	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
30	QPSK	1	1		14.40	14.40	14.37	16.0	0.0
Channel									
				647500	650000	652500	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
25	QPSK	1	1		14.50	14.39	14.52	16.0	0.0
Channel									
				647334	650000	652668	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
20	QPSK	1	1		14.20	14.46	14.32	16.0	0.0
Channel									
				647168	650000	652832	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
15	QPSK	1	1		14.49	14.39	14.37	16.0	0.0
Channel									
				647000	650000	653000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)									
10	QPSK	1	1		14.52	14.48	14.40	16.0	0.0

Part27Q_n78_Ant 3									
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	635330	635332	635998	19.5	0.0	
100	Pl2 BPSK	1	137	3465	3469.88	3504.96	19.5	0.0	
100	Pl2 BPSK	1	271	18.05	18.05				
100	Pl2 BPSK	135	0		18.30		19.5	0.0	
100	Pl2 BPSK	135	69		18.16		19.5	0.0	
100	Pl2 BPSK	135	138		18.18		19.5	0.0	
100	Pl2 BPSK	270	0		18.29		19.5	0.0	
100	QPSK	1	1		17.53		19.5	0.0	
100	QPSK	1	137		18.32				
100	QPSK	1	271		18.20				
100	QPSK	135	0		18.19				
100	QPSK	135	69		18.25		19.5	0.0	
100	QPSK	135	138		18.20		19.5	0.0	
100	QPSK	270	0		18.20		19.5	0.0	
100	16QAM	1	1		18.21		19.5	0.0	
100	64QAM	1	1		17.70		19.5	0.0	
100	256QAM	1	1		18.21		18.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	635330	635332	635998	19.5	0.0	
90	QPSK	1	173	18.03	18.12	18.00	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	630668	635332	634000	19.5	0.0	
80	QPSK	1	137	3465	3469.88	3510	19.5	0.0	
80	QPSK	1	271	18.03	18.09		19.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	633334	635332	634332	19.5	0.0	
70	QPSK	1	137	3445.01	3499.98	3514.98	19.5	0.0	
70	QPSK	1	1	18.07	18.10	17.87	19.5	0.0	
70	QPSK	1	137	630000	635332	634000	19.5	0.0	
70	QPSK	1	271	3440	3499.98	3519.99	19.5	0.0	
70	QPSK	1	1	18.07	18.15	18.07	19.5	0.0	
70	QPSK	1	1	631668	635332	635000	19.5	0.0	
70	QPSK	1	137	3475.02	3499.98	3524	19.5	0.0	
70	QPSK	1	1	17.83	18.10	17.98	19.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631334	635332	636332	19.5	0.0	
60	QPSK	1	137	3470.01	3499.98	3529.98	19.5	0.0	
60	QPSK	1	1	18.03	18.14	18.09	19.5	0.0	
60	QPSK	1	137	631000	635332	635500	19.5	0.0	
60	QPSK	1	271	3465	3499.98	3534.99	19.5	0.0	
60	QPSK	1	1	17.82	18.09	17.92	19.5	0.0	
60	QPSK	1	137	630834	635332	635832	19.5	0.0	
60	QPSK	1	271	3465.81	3499.98	3537.86	19.5	0.0	
25	QPSK	1	1	18.04	17.91	18.03	19.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630668	635332	636000	19.5	0.0	
20	QPSK	1	1	3465.02	3499.98	3540	19.5	0.0	
20	QPSK	1	1	17.96	17.96	17.97	19.5	0.0	
20	QPSK	1	1	632000	635332	634000	19.5	0.0	
15	QPSK	1	1	3465.75	3499.98	3542.49	19.5	0.0	
15	QPSK	1	1	18.09	17.87	17.91	19.5	0.0	
15	QPSK	1	1	630334	635332	636332	19.5	0.0	
15	QPSK	1	1	3465.81	3499.98	3544.86	19.5	0.0	
10	QPSK	1	1	18.09	17.93	17.90	19.5	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				633332						
Frequency (MHz)				3499.98						
100	Pl2 BPSK	1	1	20.45			22.5	0.0		
100	Pl2 BPSK	1	137	21.13						
100	Pl2 BPSK	1	271	20.35						
100	Pl2 BPSK	135	0	20.62			22.0	0.5		
100	Pl2 BPSK	135	69	21.20			22.5	0.0		
100	Pl2 BPSK	135	138	20.48			22.0	0.5		
100	Pl2 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						
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			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				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3499.98	3504.99	(dB)			
90	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	20.34	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	20.57	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	3537.48	(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	3544.98	(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				600000						
Frequency (MHz)				3750						
100	Pl2 BPSK	1	1	18.35			19.5	0.0		
100	Pl2 BPSK	1	137	18.42						
100	Pl2 BPSK	1	271	18.49			19.5	0.0		
100	Pl2 BPSK	135	0	18.40						
100	Pl2 BPSK	135	69	18.47			19.5	0.0		
100	Pl2 BPSK	135	138	18.44						
100	Pl2 BPSK	270	0	18.41			19.5	0.0		
100	QPSK	1	1	17.55						
100	QPSK	1	137	18.55			19.5	0.0		
100	QPSK	1	271	18.51						
100	QPSK	135	0	18.30			19.5	0.0		
100	QPSK	135	69	18.50						
100	QPSK	135	138	18.35			19.5	0.0		
100	QPSK	270	0	18.45						
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	1.5		
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3748.02	3750	3754.98	(dB)			
90	QPSK	1	1	18.17	18.33	18.20	19.5	0.0		
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3759.98	(dB)			
80	QPSK	1	1	18.22	18.31	18.19	19.5	0.0		
Channel				648000	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	3774.98	(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	18.08	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	3788.98	(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		

Part27O_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			22.5	0.0				
100	P2 BPSK	1	1	21.50				22.5	0.0			
100	P2 BPSK	1	137	20.50					22.5	0.0		
100	P2 BPSK	1	271	20.53						22.5	0.0	
100	P2 BPSK	135	0	20.64			22.0	0.0				
100	P2 BPSK	135	69	21.39			22.5	0.0				
100	P2 BPSK	135	138	20.68			21.5	1.0				
100	P2 BPSK	270	0	20.48			22.0	0.5				
100	QPSK	1	1	20.51			22.5	0.0				
100	QPSK	1	137	21.47				22.5	0.0			
100	QPSK	1	271	20.57					22.5	0.0		
100	QPSK	135	0	19.89						22.5	0.0	
100	QPSK	135	69	21.17			22.0	0.0				
100	QPSK	135	138	19.93			21.5	1.0				
100	QPSK	270	0	20.06			21.5	1.0				
100	HQAM	1	1	18.89			21.5	1.0				
100	6QAM	1	1	17.27			20.0	2.5				
100	25QAM	1	1	15.88			18.0	4.5				
Channel												
100	QPSK	1	1	64998	65000	65032	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	21.15	21.25	21.16	22.5	0.0				
Channel												
100	QPSK	1	1	649334	650000	650066	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	3740.01	3750	3759.99	22.5	0.0				
Channel												
100	QPSK	1	1	21.22	21.27	21.19	22.5	0.0				
100	QPSK	1	1	650000	650000	650000	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	3755	3750	3765	22.5	0.0				
100	QPSK	1	1	21.29	21.18	21.13	22.5	0.0				
Channel												
100	QPSK	1	1	649868	650000	651332	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	3750.01	3750	3769.99	22.5	0.0				
100	QPSK	1	1	21.11	21.28	21.15	22.5	0.0				
Channel												
100	QPSK	1	1	648334	650000	651666	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	3725.01	3750	3774.99	22.5	0.0				
100	QPSK	1	1	21.23	21.20	21.12	22.5	0.0				
Channel												
100	QPSK	1	1	648800	650000	652000	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	3720	3750	3780	22.5	0.0				
100	QPSK	1	1	21.20	21.28	21.07	22.5	0.0				
Channel												
100	QPSK	1	1	647868	650000	652532	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	3715.01	3750	3784.99	22.5	0.0				
100	QPSK	1	1	21.24	21.28	21.17	22.5	0.0				
Channel												
100	QPSK	1	1	647500	650000	652500	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	3712.5	3750	3787.5	22.5	0.0				
25	QPSK	1	1	21.23	21.20	21.14	22.5	0.0				
Channel												
100	QPSK	1	1	647234	650000	652666	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	3710.01	3750	3789.99	22.5	0.0				
20	QPSK	1	1	21.16	21.25	21.08	22.5	0.0				
Channel												
100	QPSK	1	1	647168	650000	653032	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	3707.55	3750	3792.44	22.5	0.0				
15	QPSK	1	1	21.21	21.26	21.18	22.5	0.0				
Channel												
100	QPSK	1	1	647000	650000	653000	Tune-up limit (dbm)	MPR (dB)				
100	QPSK	1	1	3705	3750	3795	22.5	0.0				
10	QPSK	1	1	21.24	21.23	21.15	22.5	0.0				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332		3469.98			
100	PQ2 BPSK	1	1	15.54			16.5	0.0	
100	PQ2 BPSK	1	137	15.58					
100	PQ2 BPSK	1	271	15.60			16.5	0.0	
100	PQ2 BPSK	135	0	15.46					
100	PQ2 BPSK	135	69	15.63			16.5	0.0	
100	PQ2 BPSK	135	138	15.37			16.5	0.0	
100	PQ2 BPSK	270	0	15.43			16.5	0.0	
100	QPSK	1	1	14.67					
100	QPSK	1	137	15.65			16.5	0.0	
100	QPSK	1	271	15.55					
100	QPSK	135	0	15.51			16.5	0.0	
100	QPSK	135	69	15.56					
100	QPSK	135	138	15.48			16.5	0.0	
100	QPSK	270	0	15.48					
100	16QAM	1	1	15.45			16.5	0.0	
100	64QAM	1	1	15.60			16.5	0.0	
100	256QAM	1	1	15.51			16.5	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.98	3504.98			
90	QPSK	1	1	15.31	15.38	15.15	16.5	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3510			
80	QPSK	1	1	15.37	15.59	15.12	16.5	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.01	3469.98	3514.98			
70	QPSK	1	1	15.41	15.45	15.00	16.5	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3469.98	3519.98			
60	QPSK	1	1	15.47	15.50	15.25	16.5	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3469.98	3521			
50	QPSK	1	1	15.49	15.42	15.18	16.5	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3469.98	3529.98			
40	QPSK	1	1	15.23	15.43	15.06	16.5	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.98	3534.98			
30	QPSK	1	1	15.46	15.33	15.36	16.5	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3469.98	3537.48			
25	QPSK	1	1	15.33	15.44	14.95	16.5	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3540			
20	QPSK	1	1	15.41	15.30	15.38	16.5	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3469.98	3542.49			
15	QPSK	1	1	15.38	15.17	15.35	16.5	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458.01	3469.98	3544.98			
10	QPSK	1	1	15.36	15.37	15.23	16.5	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)				633332		3469.98			
100	Pl2 BPSK	1	1	16.50			19.5	0.0	
100	Pl2 BPSK	1	137	16.50					
100	Pl2 BPSK	1	271	16.51			19.5	0.0	
100	Pl2 BPSK	135	0	16.58					
100	Pl2 BPSK	135	69	16.58			19.5	0.0	
100	Pl2 BPSK	135	138	16.52			19.5	0.0	
100	Pl2 BPSK	270	0	16.47			19.5	0.0	
100	QPSK	1	1	17.27					
100	QPSK	1	137	16.60			19.5	0.0	
100	QPSK	1	271	16.45					
100	QPSK	135	0	16.51			19.5	0.0	
100	QPSK	135	69	16.56					
100	QPSK	135	138	16.50			19.5	0.0	
100	QPSK	270	0	16.49					
100	16QAM	1	1	16.64			19.5	0.0	
100	64QAM	1	1	16.50			19.5	0.0	
100	256QAM	1	1	16.57			19.5	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3265	3469.98	3504.98			
90	QPSK	1	1	16.27	16.43	16.11	19.5	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3510			
80	QPSK	1	1	16.34	16.50	16.11	19.5	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3469.98	3514.98			
70	QPSK	1	1	16.41	16.47	16.06	19.5	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3440	3469.98	3518.98			
60	QPSK	1	1	16.39	16.39	16.11	19.5	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3469.98	3523			
50	QPSK	1	1	16.45	16.57	16.20	19.5	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3469.98	3529.98			
40	QPSK	1	1	16.26	16.49	16.17	19.5	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.98	3534.98			
30	QPSK	1	1	16.47	16.36	16.26	19.5	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3469.98	3537.48			
25	QPSK	1	1	16.34	16.25	16.10	19.5	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3540			
20	QPSK	1	1	16.43	16.20	16.24	19.5	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3469.98	3542.49			
15	QPSK	1	1	16.33	16.21	16.29	19.5	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3445.01	3469.98	3544.98			
10	QPSK	1	1	16.30	16.27	16.20	19.5	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									
Frequency (MHz)									
100	PQ2 BPSK	1	1	19.03	3750				
100	PQ2 BPSK	1	137	19.02			19.5	0.0	
100	PQ2 BPSK	1	271	19.94					
100	PQ2 BPSK	135	0	19.94			19.5	0.0	
100	PQ2 BPSK	135	69	19.04			19.5	0.0	
100	PQ2 BPSK	135	138	19.04			19.5	0.0	
100	PQ2 BPSK	270	0	19.06			19.5	0.0	
100	QPSK	1	1	19.09					
100	QPSK	1	137	19.10			19.5	0.0	
100	QPSK	1	271	19.07					
100	QPSK	135	0	19.85			19.5	0.0	
100	QPSK	135	69	19.05			19.5	0.0	
100	QPSK	135	138	19.97					
100	QPSK	270	0	19.00			19.5	0.0	
100	16QAM	1	1	19.93			19.5	0.0	
100	16QAM	1	1	19.07			19.5	0.0	
100	256QAM	1	1	19.00			19.5	0.0	
Channel									
				648968	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	19.87	19.59	19.74	19.5	0.0	
Channel									
				648334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	19.76	19.80	19.78	19.5	0.0	
Channel									
				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	19.83	19.86	19.74	19.5	0.0	
Channel									
				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3774.98	(dBm)	(dB)	
60	QPSK	1	1	19.79	19.72	19.82	19.5	0.0	
Channel									
				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	19.71	19.67	19.81	19.5	0.0	
Channel									
				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.83	19.84	19.66	19.5	0.0	
Channel									
				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	19.84	19.92	19.54	19.5	0.0	
Channel									
				647900	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	19.92	19.79	19.63	19.5	0.0	
Channel									
				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	19.76	19.73	19.61	19.5	0.0	
Channel									
				647166	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	19.82	19.72	19.89	19.5	0.0	
Channel									
				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	19.80	19.68	19.91	19.5	0.0	

Part27Q_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									
Frequency (MHz)				3699.98					
100	Pl2 BPSK	1	1	19.40					
100	Pl2 BPSK	1	137	19.46			19.5	0.0	
100	Pl2 BPSK	1	271	19.34					
100	Pl2 BPSK	135	0	19.46			19.5	0.0	
100	Pl2 BPSK	135	69	19.34			19.5	0.0	
100	Pl2 BPSK	135	138	19.42			19.5	0.0	
100	Pl2 BPSK	270	0	19.46					
100	QPSK	1	1	17.97					
100	QPSK	1	137	19.50			19.5	0.0	
100	QPSK	1	271	19.48					
100	QPSK	135	0	19.41			19.5	0.0	
100	QPSK	135	69	19.43					
100	QPSK	135	138	19.36					
100	QPSK	270	0	19.42			19.5	0.0	
100	16QAM	1	1	19.49			19.5	0.0	
100	64QAM	1	1	19.05			19.5	0.0	
100	256QAM	1	1	19.51			19.0	1.5	
Channel									
				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dBm)	(dB)	
90	QPSK	1	1	19.26	19.41	19.20	19.5	0.0	
Channel									
				632968	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	19.37	19.30	19.19	19.5	0.0	
Channel									
				632354	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	19.23	19.38	19.22	19.5	0.0	
Channel									
				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3518.98	(dBm)	(dB)	
60	QPSK	1	1	19.30	19.25	19.39	19.5	0.0	
Channel									
				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	19.21	19.49	19.29	19.5	0.0	
Channel									
				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	19.19	19.44	19.36	19.5	0.0	
Channel									
				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1	19.24	19.46	19.16	19.5	0.0	
Channel									
				630834	633332	635832	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)	
25	QPSK	1	1	19.22	19.25	19.41	19.5	0.0	
Channel									
				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	19.22	19.21	19.26	19.5	0.0	
Channel									
				632000	633332	637166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)	
15	QPSK	1	1	19.08	19.43	19.39	19.5	0.0	
Channel									
				630334	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3454.91	3499.98	3544.98	(dBm)	(dB)	
10	QPSK	1	1	19.04	19.48	19.37	19.5	0.0	

Part27Q_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									
Frequency (MHz)									
100	Pl2 BPSK	1	1	20.75	3499.98				
100	Pl2 BPSK	1	137	21.43			22.5	0.0	
100	Pl2 BPSK	1	271	20.32					
100	Pl2 BPSK	135	0	20.88			22.0	0.5	
100	Pl2 BPSK	135	69	21.35			22.5	0.0	
100	Pl2 BPSK	135	138	20.61			22.0	0.5	
100	Pl2 BPSK	270	0	20.72					
100	QPSK	1	1	20.84					
100	QPSK	1	137	21.45			22.5	0.0	
100	QPSK	1	271	20.36					
100	QPSK	135	0	20.33					
100	QPSK	135	69	21.37			22.5	0.0	
100	QPSK	135	138	20.21					
100	16QAM	270	0	20.74			21.5	1.0	
100	16QAM	1	1	19.53			21.5	1.0	
100	64QAM	1	1	18.05			20.0	2.5	
100	256QAM	1	1	16.51			18.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Time-up limit (dBm)	MPR (dB)	
				3498	3499.98	3504.99			
90	QPSK	1	1	21.32	21.35	21.27	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Time-up limit (dBm)	MPR (dB)	
				634002	3499.98	3510			
80	QPSK	1	1	21.31	21.32	21.25	22.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63485.01	633332	634332	Time-up limit (dBm)	MPR (dB)	
				3498.01	3499.98	3514.98			
70	QPSK	1	1	21.29	21.39	21.26	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633332	634000	Time-up limit (dBm)	MPR (dB)	
				3498	3499.98	3519.99			
60	QPSK	1	1	21.25	21.34	21.30	22.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633332	635000	Time-up limit (dBm)	MPR (dB)	
				3497.68	3499.98	3520.71			
50	QPSK	1	1	21.28	21.38	21.25	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633332	635332	Time-up limit (dBm)	MPR (dB)	
				3476.01	3499.98	3529.98			
40	QPSK	1	1	21.25	21.37	21.33	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633332	635666	Time-up limit (dBm)	MPR (dB)	
				3465	3499.98	3534.99			
30	QPSK	1	1	21.24	21.36	21.28	22.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630834	633332	635832	Time-up limit (dBm)	MPR (dB)	
				3465.24	3499.98	3537.26			
25	QPSK	1	1	21.21	21.28	21.31	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630668	633332	636000	Time-up limit (dBm)	MPR (dB)	
				3465.02	3499.98	3540			
20	QPSK	1	1	21.25	21.28	21.26	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	632240	633332	632500	Time-up limit (dBm)	MPR (dB)	
				3497.5	3499.98	3542.49			
15	QPSK	1	1	21.16	21.42	21.32	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633332	636332	Time-up limit (dBm)	MPR (dB)	
				3464.98	3499.98	3544.98			
10	QPSK	1	1	21.19	21.40	21.36	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	



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	24.0	0.0
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	23.5	0.5
20	PI2 BPSK	1	104	22.60	22.71	22.56		
20	PI2 BPSK	50	0	22.70	22.81	22.66		
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	23.5	0.5
20	PI2 BPSK	100	0	22.80	22.89	22.88		
20	PI2 BPSK	1	1	22.89	22.95	22.83		
20	QPSK	1	53	22.61	22.60	22.57	24.0	0.0
20	QPSK	1	104	22.56	22.75	22.62	23.0	1.0
20	QPSK	50	0	22.90	22.91	22.87		
20	QPSK	50	28	22.91	22.93	22.89		
20	QPSK	50	56	22.82	22.89	22.82	23.0	1.0
20	QPSK	100	0	22.85	22.88	22.78	23.0	1.0
20	16QAM	1	1	22.72	22.75	22.61		
20	64QAM	1	1	20.24	20.31	20.27		
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

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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	24.0	0.0
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	23.5	0.5
20	PI2 BPSK	1	104	22.52	22.63	22.56		
20	PI2 BPSK	50	0	22.71	22.72	22.63		
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	23.5	0.5
20	PI2 BPSK	100	0	22.60	22.68	22.54		
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	23.0	1.0
20	QPSK	50	0	22.68	22.73	22.58		
20	QPSK	50	28	22.68	22.74	22.60		
20	QPSK	50	56	22.56	22.69	22.59	23.0	1.0
20	QPSK	100	0	22.52	22.64	22.56	23.0	1.0
20	16QAM	1	1	22.30	22.42	22.39		
20	64QAM	1	1	19.74	19.85	19.72		
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	24.0	0.0
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	23.5	0.5
20	PI2 BPSK	1	104	22.59	22.62	22.48		
20	PI2 BPSK	50	0	22.76	22.80	22.66		
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	23.5	0.5
20	PI2 BPSK	100	0	22.63	22.71	22.60		
20	QPSK	1	1	22.77	22.85	22.78		
20	QPSK	1	53	22.61	22.69	22.60	24.0	0.0
20	QPSK	1	104	22.84	22.89	22.59	23.0	1.0
20	QPSK	50	0	22.71	22.83	22.79		
20	QPSK	50	28	22.76	22.84	22.80		
20	QPSK	50	56	22.76	22.83	22.68	23.0	1.0
20	QPSK	100	0	22.80	22.81	22.72	23.0	1.0
20	16QAM	1	1	22.38	22.45	22.34		
20	64QAM	1	1	19.90	20.00	19.90		
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 Freq (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPR (dB)	
Channel									
					633332	3469 98			
100	PQ2 BPSK	1	1	10.32					
100	PQ2 BPSK	1	1	10.37			12.0	0.0	
100	PQ2 BPSK	1	1	10.43					
100	PQ2 BPSK	135	0		10.48		12.0	0.0	
100	PQ2 BPSK	135	0		10.46		12.0	0.0	
100	PQ2 BPSK	135	0		10.48				
100	PQ2 BPSK	270	0		10.50		12.0	0.0	
100	QPSK	1	1	10.30					
100	QPSK	1	1	10.37					
100	QPSK	1	1	10.43					
100	QPSK	135	0		10.36				
100	QPSK	135	0		10.53		12.0	0.0	
100	QPSK	135	138		10.40				
100	QPSK	270	0		10.48		12.0	0.0	
100	16QAM	1	1	10.51			12.0	0.0	
100	64QAM	1	1	10.51			12.0	0.0	
100	256QAM	1	1	10.45			12.0	0.0	
Channel									
				633000	633332	633696	Time-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	10.13	10.43	10.42	Time-up limit (dBm)	MPR (dB)	
Channel									
				630698	633332	634000	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3460.02	3469 98	3510	Time-up limit (dBm)	MPR (dB)	
Channel									
				633234	633332	634332	Time-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3465.01	3469 98	3514 98	Time-up limit (dBm)	MPR (dB)	
Channel									
				10.31	10.37	10.30	12.0	0.0	
60	QPSK	1	1	632000	633332	634000	Time-up limit (dBm)	MPR (dB)	
Channel									
				3460	3469 98	3519 98	Time-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	10.29	10.30	10.21	12.0	0.0	
Channel									
				631698	633332	635000	Time-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3476.02	3469 98	3520	Time-up limit (dBm)	MPR (dB)	
Channel									
				10.29	10.33	10.24	12.0	0.0	
40	QPSK	1	1	631370	633332	635332	Time-up limit (dBm)	MPR (dB)	
Channel									
				3474.01	3469 98	3520 98	Time-up limit (dBm)	MPR (dB)	
Channel									
				10.11	10.35	10.25	12.0	0.0	
30	QPSK	1	1	631000	633332	635500	Time-up limit (dBm)	MPR (dB)	
Channel									
				3465	3469 98	3534 98	Time-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	10.15	10.28	10.10	12.0	0.0	
Channel									
				630804	633332	635852	Time-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	3462.01	3469 98	3537 04	Time-up limit (dBm)	MPR (dB)	
Channel									
				10.21	10.47	10.16	12.0	0.0	
20	QPSK	1	1	630698	633332	636000	Time-up limit (dBm)	MPR (dB)	
Channel									
				3460.02	3469 98	3540	Time-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	10.11	10.32	10.06	12.0	0.0	
Channel									
				630500	633332	636500	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	3457.5	3469 98	3542 49	Time-up limit (dBm)	MPR (dB)	
Channel									
				630334	633332	636332	Time-up limit (dBm)	MPR (dB)	
Channel									
				3456.01	3469 98	3544 86	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	10.05	10.44	10.10	12.0	0.0	

Part27Q_n77_Ant_5_HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3469.98					
100	PQ2 BPSK	1	1	13.07	13.47		15.0	0.0	
100	PQ2 BPSK	1	1	13.54	13.54				
100	PQ2 BPSK	1	271	13.21	13.62				
100	PQ2 BPSK	135	0	13.48	13.48		15.0	0.0	
100	PQ2 BPSK	135	69	13.56	13.56		15.0	0.0	
100	PQ2 BPSK	135	138	13.48	13.48		15.0	0.0	
100	PQ2 BPSK	270	0	13.39	13.39		15.0	0.0	
100	QPSK	1	1	12.27	12.27				
100	QPSK	1	137	13.05	13.05		15.0	0.0	
100	QPSK	1	271	13.21	13.21				
100	QPSK	135	0	13.45	13.45				
100	QPSK	135	69	13.52	13.52		15.0	0.0	
100	QPSK	135	138	13.36	13.36		15.0	0.0	
100	QPSK	270	0	13.47	13.47		15.0	0.0	
100	16QAM	1	1	13.51	13.51		15.0	0.0	
100	64QAM	1	1	13.51	13.51		15.0	0.0	
100	256QAM	1	1	13.42	13.42		15.0	0.0	
Channel				633000	633332	633966	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3469	3469.98	3504.99			
90	QPSK	1	1	13.09	13.42	13.33	15.0	0.0	
Channel				636968	633332	634000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3510	15.0	0.0	
80	QPSK	1	1	13.25	13.42	13.24	15.0	0.0	
Channel				632334	633332	634332	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.01	3469.98	3514.98			
70	QPSK	1	1	13.30	13.54	13.35	15.0	0.0	
Channel				632000	633332	634006	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462	3469.98	3519.99			
60	QPSK	1	1	13.24	13.41	13.29	15.0	0.0	
Channel				631668	633332	636000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3476.02	3469.98	3524	15.0	0.0	
50	QPSK	1	1	13.25	13.50	13.25	15.0	0.0	
Channel				631334	633332	635332	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3474.01	3469.98	3526.98			
40	QPSK	1	1	13.14	13.43	13.20	15.0	0.0	
Channel				631000	633332	635506	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.98	3534.99			
30	QPSK	1	1	13.13	13.24	13.25	15.0	0.0	
Channel				630304	633332	635992	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.01	3469.98	3537.98			
25	QPSK	1	1	13.20	13.43	13.20	15.0	0.0	
Channel				630668	633332	636000	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3542	15.0	0.0	
20	QPSK	1	1	13.16	13.23	13.23	15.0	0.0	
Channel				632500	633332	634332	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3469.98	3542.49			
15	QPSK	1	1	13.36	13.28	13.14	15.0	0.0	
Channel				630334	633332	636332	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3461.01	3469.98	3544.98			
10	QPSK	1	1	13.43	13.29	13.25	15.0	0.0	

Part270_n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Power High Ch. Freq.	Power Middle Power High Ch. Freq.	Power High Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			37500	38400	39300			
100	P12 BPSK	1	1	10.39	10.50	10.54			
100	P12 BPSK	1	137	10.41	10.42	10.38	12.0	0.0	
100	P12 BPSK	1	271	10.31	10.44	10.38			
100	P12 BPSK	135	0	10.51	10.41	10.53	12.0	0.0	
100	P12 BPSK	135	69	10.47	10.54	10.43	12.0	0.0	
100	P12 BPSK	135	133	10.41	10.58	10.45			
100	P12 BPSK	270	0	10.37	10.46	10.35	12.0	0.0	
100	QPSK	1	1	9.50	9.68	9.47			
100	QPSK	1	137	10.54	10.62	10.45	12.0	0.0	
100	QPSK	1	271	10.41	10.43	10.33			
100	QPSK	135	0	10.47	10.52	10.41	12.0	0.0	
100	QPSK	135	69	10.53	10.55	10.43			
100	QPSK	135	138	10.50	10.53	10.38	12.0	0.0	
100	16QAM	270	0	10.39	10.50	10.37	12.0	0.0	
1	16QAM	1	1	10.43	10.57	10.49	12.0	0.0	
1	64QAM	1	1	10.34	10.40	10.36	12.0	0.0	
1	256QAM	1	1	10.35	10.49	10.37	12.0	0.0	
Channel									
	Frequency (MHz)			645668	650000	662332	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	10.11	10.48	10.25	12.0	0.0	
Channel									
	Frequency (MHz)			648334	650000	662666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	10.08	10.30	10.33	12.0	0.0	
Channel									
	Frequency (MHz)			650000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3735	3840	3945	12.0	0.0	
Channel									
	Frequency (MHz)			648334	650000	663666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	10.16	10.43	10.16	12.0	0.0	
Channel									
	Frequency (MHz)			648334	650000	663999	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	10.16	10.41	10.27	12.0	0.0	
Channel									
	Frequency (MHz)			668000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	10.14	10.40	10.06	12.0	0.0	
Channel									
	Frequency (MHz)			647334	650000	663333	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	10.25	10.35	10.24	12.0	0.0	
Channel									
	Frequency (MHz)			647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	10.27	10.32	10.10	12.0	0.0	
Channel									
	Frequency (MHz)			647334	650000	664666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	10.31	10.43	10.14	12.0	0.0	
Channel									
	Frequency (MHz)			647334	650000	665332	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	10.23	10.40	10.17	12.0	0.0	
Channel									
	Frequency (MHz)			647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	10.16	10.48	10.26	12.0	0.0	

Part270_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	P12 BPSK	1	1	13.37	13.41	13.35			
100	P12 BPSK	1	137	13.36	13.43	13.28	15.0	0.0	
100	P12 BPSK	1	271	13.38	13.47	13.35			
100	P12 BPSK	135	0	13.33	13.50	13.46	15.0	0.0	
100	P12 BPSK	135	69	13.41	13.44	13.36	15.0	0.0	
100	P12 BPSK	135	138	13.50	13.41	13.54	15.0	0.0	
100	P12 BPSK	270	0	13.54	13.44	13.50			
100	QPSK	1	1	12.45	12.58	12.35			
100	QPSK	1	137	13.41	13.55	13.52	15.0	0.0	
100	QPSK	1	271	13.43	13.54	13.44			
100	QPSK	135	0	13.32	13.57	13.43			
100	QPSK	135	69	13.47	13.54	13.47	15.0	0.0	
100	QPSK	135	138	13.44	13.50	13.39			
100	QPSK	270	0	13.42	13.48	13.39	15.0	0.0	
100	16QAM	1	1	13.50	13.41	13.41	15.0	0.0	
100	64QAM	1	1	13.33	13.36	13.30	15.0	0.0	
100	256QAM	1	1	13.40	13.48	13.52	15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.26	13.38	13.21	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.12	13.30	13.13	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.17	13.34	13.28	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.14	13.27	13.15	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.18	13.25	13.25	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.04	13.30	13.14	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.31	13.27	13.16	15.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	13.16	13.44	13.12	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.41	13.31	13.31	15.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	13.20	13.34	13.22	15.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	13.15	13.36	13.18	15.0	0.0	

Part27Q_n77_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1		10.88				
100	P12 BPSK	1	137		10.85		12.0	0.0	
100	P12 BPSK	1	271		10.82				
100	P12 BPSK	135	0		10.76		12.0	0.0	
100	P12 BPSK	135	69		10.88		12.0	0.0	
100	P12 BPSK	135	138		10.90		12.0	0.0	
100	P12 BPSK	270	0		10.75				
100	QPSK	1	1		10.89				
100	QPSK	1	137		10.99		12.0	0.0	
100	QPSK	1	271		10.91				
100	QPSK	135	0		10.85				
100	QPSK	135	69		10.88		12.0	0.0	
100	QPSK	135	138		10.81				
100	QPSK	270	0		10.87		12.0	0.0	
100	16QAM	1	1		10.77		12.0	0.0	
100	64QAM	1	1		10.75		12.0	0.0	
100	256QAM	1	1		10.84		12.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dBm)	MPR (dB)	
				3449	3499.98	3504.99			
Channel									
Frequency (MHz)									
80	QPSK	1	1	63268	63332	63400	Tune-up limit (dBm)	MPR (dB)	
				3480.02	3499.98	3510			
Channel									
Frequency (MHz)									
70	QPSK	1	1	63234	63332	63432	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3499.98	3514.98			
Channel									
Frequency (MHz)									
60	QPSK	1	1	63184	63332	63500	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3499.98	3519.99			
Channel									
Frequency (MHz)									
50	QPSK	1	1	63134	63332	63532	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3499.98	3529.98			
Channel									
Frequency (MHz)									
40	QPSK	1	1	63100	63332	63596	Tune-up limit (dBm)	MPR (dB)	
				3456	3499.98	3534.99			
Channel									
Frequency (MHz)									
30	QPSK	1	1	63068	63332	63600	Tune-up limit (dBm)	MPR (dB)	
				3462.51	3499.98	3537.48			
Channel									
Frequency (MHz)									
25	QPSK	1	1	63034	63332	63632	Tune-up limit (dBm)	MPR (dB)	
				3453	3499.98	3542.49			
Channel									
Frequency (MHz)									
20	QPSK	1	1	63000	63332	63666	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3499.98	3542.49			
Channel									
Frequency (MHz)									
15	QPSK	1	1	63034	63332	63632	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3499.98	3544.98			
Channel									
Frequency (MHz)									
10	QPSK	1	1	63059	63332	63666	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3499.98	3542.49			

Part27Q_n77_Ant 3_HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1		13.89				
100	P12 BPSK	1	137		13.91		15.0	0.0	
100	P12 BPSK	1	271		13.84				
100	P12 BPSK	135	0		13.76		15.0	0.0	
100	P12 BPSK	135	69		13.91		15.0	0.0	
100	P12 BPSK	135	138		13.93		15.0	0.0	
100	P12 BPSK	270	0		13.75				
100	QPSK	1	1		13.23				
100	QPSK	1	137		13.98		15.0	0.0	
100	QPSK	1	271		13.94				
100	QPSK	135	0		13.79				
100	QPSK	135	69		13.88		15.0	0.0	
100	QPSK	135	138		13.89				
100	QPSK	270	0		13.85		15.0	0.0	
100	16QAM	1	1		13.85		15.0	0.0	
100	64QAM	1	1		13.94		15.0	0.0	
100	256QAM	1	1		13.78		15.0	0.0	
Channel				633300	633332	633666		MPR	
Frequency (MHz)				3495	3498	3504.99		(dBm)	
80	QPSK	1	1	13.44	13.53	13.84	15.0		
Channel				633688	633932	634000		MPR	
Frequency (MHz)				3510	3513	3518.99		(dBm)	
80	QPSK	1	1	13.50	13.67	13.77	15.0		
Channel				632334	633332	634332		MPR	
Frequency (MHz)				3485.01	3489.98	3514.98		(dBm)	
70	QPSK	1	1	13.43	13.69	13.80	15.0		
Channel				632500	633332	634000		MPR	
Frequency (MHz)				3490	3498.98	3519.99		(dBm)	
60	QPSK	1	1	13.50	13.74	13.73	15.0		
Channel				631068	633332	635000		MPR	
Frequency (MHz)				3475.62	3489.98	3495		(dBm)	
50	QPSK	1	1	13.43	13.64	13.57	15.0		
Channel				631334	633332	635332		MPR	
Frequency (MHz)				3470.01	3489.98	3529.98		(dBm)	
40	QPSK	1	1	13.43	13.74	13.65	15.0		
Channel				631600	633332	635666		MPR	
Frequency (MHz)				3462.81	3489.98	3534.98		(dBm)	
30	QPSK	1	1	13.56	13.47	13.52	15.0		
Channel				630394	633332	636882		MPR	
Frequency (MHz)				3462.81	3489.98	3537.48		(dBm)	
25	QPSK	1	1	13.54	13.57	13.59	15.0		
Channel				636688	636932	636900		MPR	
Frequency (MHz)				3490.02	3499.98	3540		(dBm)	
20	QPSK	1	1	13.56	13.62	13.49	15.0		
Channel				630500	633332	636166		MPR	
Frequency (MHz)				3457.5	3489.98	3542.49		(dBm)	
15	QPSK	1	1	13.51	13.56	13.56	15.0		
Channel				63434	633332	636532		MPR	
Frequency (MHz)				3455.01	3489.98	3554.98		(dBm)	
10	QPSK	1	1	13.66	13.66	13.41	15.0		

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	Pl2 BPSK	1	1	14.95	3469.98		16.0	0.0	
100	Pl2 BPSK	1	137	15.03					
100	Pl2 BPSK	1	271	14.93					
100	Pl2 BPSK	135	0	15.00			16.0	0.0	
100	Pl2 BPSK	135	69	14.94			16.0	0.0	
100	Pl2 BPSK	135	138	14.92			16.0	0.0	
100	Pl2 BPSK	270	0	15.03					
100	QPSK	1	1	14.18					
100	QPSK	1	137	15.09			16.0	0.0	
100	QPSK	1	271	15.07			16.0	0.0	
100	QPSK	135	0	14.92					
100	QPSK	135	69	14.97					
100	QPSK	135	138	14.95			16.0	0.0	
100	QPSK	270	0	14.95					
100	16QAM	1	1	14.97			16.0	0.0	
100	16QAM	1	1	14.95			16.0	0.0	
100	256QAM	1	1	15.06			16.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
90	QPSK	1	1	3469.02	3469.98	3504.98	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.70	14.86	14.60	16.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.70	14.79	14.77	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.67	14.84	14.74	16.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.64	14.79	14.65	16.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	3475.02	3499.98	3524.98	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.60	14.86	14.62	16.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.60	14.86	14.62	16.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	630000	633332	636666	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.78	14.67	14.72	16.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630034	633332	635892	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	14.77	14.70	14.85	16.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.68	14.71	14.77	16.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630500	633332	636100	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	14.50	14.70	14.76	16.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.60	14.85	14.63	16.0	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	12.51	12.59	12.53	13.0	0.0	
100	Pl2 BPSK	1	137	12.60	12.54	12.50			
100	Pl2 BPSK	1	271	12.68	12.65	12.41			
100	Pl2 BPSK	135	0	12.55	12.52	12.47	13.0	0.0	
100	Pl2 BPSK	135	69	12.59	12.52	12.64	13.0	0.0	
100	Pl2 BPSK	135	138	12.52	12.50	12.58	13.0	0.0	
100	Pl2 BPSK	270	0	12.48	12.64	12.55			
100	QPSK	1	1	11.92	11.71	11.91			
100	QPSK	1	137	12.62	12.70	12.61	13.0	0.0	
100	QPSK	1	271	12.56	12.52	12.55	13.0	0.0	
100	QPSK	135	0	12.44	12.60	12.53			
100	QPSK	135	69	12.38	12.64	12.35			
100	QPSK	135	138	12.54	12.59	12.45	13.0	0.0	
100	QPSK	270	0	12.47	12.62	12.48			
100	16QAM	1	1	12.61	12.54	12.65	13.0	0.0	
100	16QAM	1	1	12.50	12.54	12.45	13.0	0.0	
100	256QAM	1	1	12.50	12.61	12.42	13.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	648968	650000	662332	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3840	3939.98	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.47	12.37	12.30	13.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.38	12.49	12.21	13.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648668	650000	663332	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	3720.02	3840	3941.98	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.31	12.44	12.29	13.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	660000	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.34	12.37	12.20	13.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647668	650000	664332	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	12.30	12.41	12.26	13.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	664668	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	3710.01	3840	3965.98	Tune-up limit (dBm)	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.19	12.42	12.31	13.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.07	12.38	12.44	13.0	0.0	

Part27O_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 limit (dBm)	MPR (dB)
Channel									
100	Frequency (MHz)			3750	3840	3930			
100	QPSK 1	1	1	15.61	15.52	15.42			
100	QPSK 1	1	137	15.53	15.33	15.17	16.0	0.0	
100	QPSK 1	1	271	15.53	15.62	15.49			
100	QPSK 1	135	0	15.53	15.46	15.56	16.0	0.0	
100	QPSK 1	135	69	15.43	15.66	15.62	16.0	0.0	
100	QPSK 1	135	138	15.48	15.56	15.48	16.0	0.0	
100	QPSK 1	270	0	15.62	15.56	15.63			
100	QPSK 1	1	1	14.76	14.80	14.87			
100	QPSK 1	1	137	15.65	15.68	15.65	16.0	0.0	
100	QPSK 1	1	271	15.61	15.58	15.62			
100	QPSK 1	135	0	15.57	15.64	15.54			
100	QPSK 1	135	69	15.60	15.66	15.55	16.0	0.0	
100	QPSK 1	135	138	15.53	15.48	15.42			
100	QPSK 1	270	0	15.48	15.62	15.52			
100	QPSK 1	270	0	15.57	15.59	15.63			
100	16QAM	1	1	15.42	15.59	15.46	16.0	0.0	
100	256QAM	1	1	15.46	15.61	15.42	16.0	0.0	
Channel									
	Frequency (MHz)			646968	656000	666232	Turn-up limit (dBm)		MPR (dB)
90	QPSK 1	1	1	15.48	15.46	15.18	16.0	0.0	
Channel									
	Frequency (MHz)			646934	666000	662068	Turn-up limit (dBm)		MPR (dB)
80	QPSK 1	1	1	3740.01	3840	3930.99	16.0	0.0	
Channel									
	Frequency (MHz)			3750	3840	3940	Turn-up limit (dBm)		MPR (dB)
70	QPSK 1	1	1	15.39	15.51	15.24	16.0	0.0	
Channel									
	Frequency (MHz)			663036	666000	663032	Turn-up limit (dBm)		MPR (dB)
60	QPSK 1	1	1	3750.92	3840	3940.98	16.0	0.0	
Channel									
	Frequency (MHz)			15.41	15.44	15.24	16.0	0.0	
Channel									
	Frequency (MHz)			646934	666000	663066	Turn-up limit (dBm)		MPR (dB)
50	QPSK 1	1	1	3725.01	3840	3940.99	16.0	0.0	
Channel									
	Frequency (MHz)			15.27	15.45	15.20	16.0	0.0	
Channel									
	Frequency (MHz)			666000	659000	664000	Turn-up limit (dBm)		MPR (dB)
40	QPSK 1	1	1	3730	3840	3960	16.0	0.0	
Channel									
	Frequency (MHz)			15.39	15.45	15.24	16.0	0.0	
Channel									
	Frequency (MHz)			663032	666000	663032	Turn-up limit (dBm)		MPR (dB)
30	QPSK 1	1	1	3715.92	3840	3964.98	16.0	0.0	
Channel									
	Frequency (MHz)			15.52	15.53	15.46	16.0	0.0	
Channel									
	Frequency (MHz)			647290	656000	664500	Turn-up limit (dBm)		MPR (dB)
20	QPSK 1	1	1	3745	3840	3969.95	16.0	0.0	
Channel									
	Frequency (MHz)			15.24	15.35	15.30	16.0	0.0	
Channel									
	Frequency (MHz)			647334	659000	664666	Turn-up limit (dBm)		MPR (dB)
20	QPSK 1	1	1	3710.01	3840	3969.99	16.0	0.0	
Channel									
	Frequency (MHz)			15.25	15.37	15.33	16.0	0.0	
Channel									
	Frequency (MHz)			3707.92	3840	3932.48	Turn-up limit (dBm)		MPR (dB)
15	QPSK 1	1	1	15.23	15.37	15.31	16.0	0.0	
Channel									
	Frequency (MHz)			647000	656000	665000	Turn-up limit (dBm)		MPR (dB)
10	QPSK 1	1	1	3740	3840	3969	16.0	0.0	
Channel									
	Frequency (MHz)			15.17	15.36	15.30	16.0	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	18.39	18.29	18.24			
100	Pl2 BPSK	1	137	18.33	18.32	18.29	19.5	0.0	
100	Pl2 BPSK	1	271	18.36	18.41	18.33			
100	Pl2 BPSK	135	0	18.39	18.34	18.29	19.5	0.0	
100	Pl2 BPSK	135	69	18.38	18.38	18.34	19.5	0.0	
100	Pl2 BPSK	135	138	18.39	18.44	18.34			
100	Pl2 BPSK	270	0	18.47	18.35	18.32	19.5	0.0	
100	QPSK	1	1	17.30	17.37	17.34			
100	QPSK	1	137	18.40	18.48	18.41	19.5	0.0	
100	QPSK	1	271	18.29	18.33	18.29			
100	QPSK	135	0	18.37	18.33	18.26			
100	QPSK	135	69	18.31	18.45	18.35	19.5	0.0	
100	QPSK	135	138	18.29	18.43	18.33			
100	QPSK	270	0	18.29	18.40	18.24	19.5	0.0	
100	16QAM	1	1	18.48	18.30	18.21	19.5	0.0	
100	64QAM	1	1	17.17	17.18	17.10	19.5	0.0	
100	256QAM	1	1	15.85	15.84	15.80	18.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.28	18.36	18.31	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.30	18.17	18.19	19.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.39	18.36	18.26	19.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.22	18.35	18.25	19.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.31	18.21	18.18	19.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.17	18.31	18.25	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.37	18.34	18.22	19.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.26	18.35	18.20	19.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.21	18.47	18.23	19.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.31	18.18	18.10	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.27	18.35	18.27	19.5	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			3499.38			
100	PQ2 BPSK	1	1			10.39			
100	PQ2 BPSK	1	137			10.35	12.0	0.0	
100	PQ2 BPSK	1	271			10.44			
100	PQ2 BPSK	135	0			10.47	12.0	0.0	
100	PQ2 BPSK	135	69			10.38	12.0	0.0	
100	PQ2 BPSK	135	138			10.38			
100	PQ2 BPSK	270	0			10.38	12.0	0.0	
100	QPSK	1	1			9.50			
100	QPSK	1	137			10.48	12.0	0.0	
100	QPSK	1	271			10.38			
100	QPSK	135	0			10.36			
100	QPSK	135	69			10.45	12.0	0.0	
100	QPSK	135	138			10.25			
100	QPSK	270	0			10.44	12.0	0.0	
100	16QAM	1	1			10.27	12.0	0.0	
100	64QAM	1	1			10.42	12.0	0.0	
100	256QAM	1	1			10.47	12.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	10.2500	10.3332	10.3396	Time-up limit (dbm)	MPR (db)	MCR (db)
90	QPSK	1	1	10.25	10.19	10.21	12.0		
Channel									
Frequency (MHz)									
80	QPSK	1	1	10.3608	10.3332	10.3400	Time-up limit (dbm)	MPR (db)	MCR (db)
80	QPSK	1	1	10.3602	10.3498	10.304			
80	QPSK	1	1	10.40	10.32	10.16	12.0		
Channel									
Frequency (MHz)									
70	QPSK	1	1	10.2334	10.3332	10.3432	Time-up limit (dbm)	MPR (db)	MCR (db)
70	QPSK	1	1	10.2345	10.3498	10.314			
70	QPSK	1	1	10.35	10.23	10.17	12.0		
Channel									
Frequency (MHz)									
60	QPSK	1	1	10.2000	10.3332	10.3500	Time-up limit (dbm)	MPR (db)	MCR (db)
60	QPSK	1	1	10.25	10.37	10.23	12.0		
Channel									
Frequency (MHz)									
50	QPSK	1	1	10.1608	10.3332	10.3600	Time-up limit (dbm)	MPR (db)	MCR (db)
50	QPSK	1	1	10.1612	10.3498	10.324			
50	QPSK	1	1	10.12	10.38	10.22	12.0		
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.1334	10.3332	10.3632	Time-up limit (dbm)	MPR (db)	MCR (db)
40	QPSK	1	1	10.1340	10.3498	10.328			
40	QPSK	1	1	10.28	10.30	10.15	12.0		
Channel									
Frequency (MHz)									
30	QPSK	1	1	10.1000	10.3332	10.3500	Time-up limit (dbm)	MPR (db)	MCR (db)
30	QPSK	1	1	10.3045	10.3498	10.334			
30	QPSK	1	1	10.30	10.32	10.36	12.0		
Channel									
Frequency (MHz)									
25	QPSK	1	1	10.0608	10.3332	10.3692	Time-up limit (dbm)	MPR (db)	MCR (db)
25	QPSK	1	1	10.0612	10.3498	10.334			
25	QPSK	1	1	10.20	10.40	10.21	12.0		
Channel									
Frequency (MHz)									
20	QPSK	1	1	10.3608	10.3332	10.3600	Time-up limit (dbm)	MPR (db)	MCR (db)
20	QPSK	1	1	10.3602	10.3498	10.340			
20	QPSK	1	1	10.38	10.32	10.04	12.0		
Channel									
Frequency (MHz)									
15	QPSK	1	1	10.3000	10.3332	10.3632	Time-up limit (dbm)	MPR (db)	MCR (db)
15	QPSK	1	1	10.3015	10.3498	10.344			
15	QPSK	1	1	10.12	10.38	10.19	12.0		
Channel									
Frequency (MHz)									
10	QPSK	1	1	10.1000	10.3332	10.3632	Time-up limit (dbm)	MPR (db)	MCR (db)
10	QPSK	1	1	10.1012	10.3498	10.344			
10	QPSK	1	1	10.12	10.38	10.19	12.0		

Part27Q_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)				3699.88					
100	Pl2 BPSK	1	1	13.26					
100	Pl2 BPSK	1	137		13.46		15.0	0.0	
100	Pl2 BPSK	1	271		13.45				
100	Pl2 BPSK	135	0		13.32		15.0	0.0	
100	Pl2 BPSK	135	69		13.30		15.0	0.0	
100	Pl2 BPSK	135	138		13.34		15.0	0.0	
100	Pl2 BPSK	270	0		13.32				
100	QPSK	1	1		12.43				
100	QPSK	1	137		13.47		15.0	0.0	
100	QPSK	1	271		13.22				
100	QPSK	135	0		13.36				
100	QPSK	135	69		13.38		15.0	0.0	
100	QPSK	135	138		13.33		15.0	0.0	
100	QPSK	270	0		13.30		15.0	0.0	
100	16QAM	1	1		13.34		15.0	0.0	
100	64QAM	1	1		13.39		15.0	0.0	
100	256QAM	1	1		13.33		15.0	0.0	
Channel									
Frequency (MHz)				638900	638392	638966	15.0	0.0	MPR (dB)
				3699.88	3699.88	3694.99			
90	QPSK	1	1	13.27	13.29	13.28	15.0	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)		MPR (dB)
				3699.88	3699.88	3691.02			
80	QPSK	1	1	13.34	13.34	13.23	15.0	0.0	
Channel									
Frequency (MHz)				632354	633332	634332	Tune-up limit (dBm)		MPR (dB)
				3649.01	3699.88	3614.98			
70	QPSK	1	1	13.29	13.29	13.17	15.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)		MPR (dB)
				3640	3699.88	3619.99			
60	QPSK	1	1	13.29	13.21	13.34	15.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)		MPR (dB)
				3615.02	3699.88	3624			
50	QPSK	1	1	13.30	13.38	13.07	15.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)		MPR (dB)
				3670.01	3699.88	3629.98			
40	QPSK	1	1	13.32	13.22	13.34	15.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)		MPR (dB)
				3665	3699.88	3654.99			
30	QPSK	1	1	13.13	13.38	13.28	15.0	0.0	
Channel									
Frequency (MHz)				630634	633332	635882	Tune-up limit (dBm)		MPR (dB)
				3642.91	3699.88	3637.48			
25	QPSK	1	1	13.11	13.29	13.25	15.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)		MPR (dB)
				3620.02	3699.88	3640			
20	QPSK	1	1	13.28	13.19	13.00	15.0	0.0	
Channel									
Frequency (MHz)				630500	633332	636166	Tune-up limit (dBm)		MPR (dB)
				3657.5	3699.88	3642.49			
15	QPSK	1	1	13.11	13.24	13.13	15.0	0.0	
Channel									
Frequency (MHz)				630333	633332	636332	Tune-up limit (dBm)		MPR (dB)
				3665.01	3699.88	3644.88			
10	QPSK	1	1	13.14	13.26	13.27	15.0	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	Pl2 BPSK	1	1		10.39				
100	Pl2 BPSK	1	137		10.53		12.0	0.0	
100	Pl2 BPSK	1	271		10.54				
100	Pl2 BPSK	135	0		10.49		12.0	0.0	
100	Pl2 BPSK	135	69		10.55		12.0	0.0	
100	Pl2 BPSK	135	138		10.59		12.0	0.0	
100	Pl2 BPSK	270	0		10.49				
100	QPSK	1	1		9.42				
100	QPSK	1	137		10.60		12.0	0.0	
100	QPSK	1	271		10.55				
100	QPSK	135	0		10.44				
100	QPSK	135	69		10.51		12.0	0.0	
100	QPSK	135	138		10.43				
100	QPSK	270	0		10.50		12.0	0.0	
100	16QAM	1	1		10.54		12.0	0.0	
100	64QAM	1	1		10.47		12.0	0.0	
100	256QAM	1	1		10.54		12.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	649668	650000	650332	Tune-up limit (dBm)	MPR	(dB)
				3745.02	3750	3754.98			
90	QPSK	1	1	10.27	10.32	10.32	12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	648334	650000	650668	Tune-up limit (dBm)	MPR	(dB)
				3740.01	3750	3759.99			
80	QPSK	1	1	10.26	10.40	10.37	12.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	648000	650000	651000	Tune-up limit (dBm)	MPR	(dB)
				3735	3750	3765			
70	QPSK	1	1	10.40	10.28	10.42	12.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	647668	650000	651668	Tune-up limit (dBm)	MPR	(dB)
				3730.02	3750	3769.98			
60	QPSK	1	1	10.22	10.46	10.26	12.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	647334	650000	652332	Tune-up limit (dBm)	MPR	(dB)
				3725.01	3750	3774.99			
50	QPSK	1	1	10.39	10.59	10.25	12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR	(dB)
				3720	3750	3780			
40	QPSK	1	1	10.29	10.48	10.24	12.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647668	650000	652500	Tune-up limit (dBm)	MPR	(dB)
				3715.02	3750	3784.98			
30	QPSK	1	1	10.26	10.33	10.21	12.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	647500	650000	652500	Tune-up limit (dBm)	MPR	(dB)
				3712.51	3750	3787.5			
25	QPSK	1	1	10.26	10.21	10.15	12.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR	(dB)
				3710.01	3750	3789.99			
20	QPSK	1	1	10.15	10.46	10.23	12.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647168	650000	652832	Tune-up limit (dBm)	MPR	(dB)
				3707.52	3750	3792.48			
15	QPSK	1	1	10.28	10.28	10.16	12.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR	(dB)
				3705	3760	3795			
10	QPSK	1	1	10.32	10.32	10.33	12.0	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	PQ2 BPSK	1	1		13.55				
100	PQ2 BPSK	1	137		13.52		15.0	0.0	
100	PQ2 BPSK	1	271		13.41				
100	PQ2 BPSK	135	0		13.56		15.0	0.0	
100	PQ2 BPSK	135	69		13.41		15.0	0.0	
100	PQ2 BPSK	135	138		13.56		15.0	0.0	
100	PQ2 BPSK	270	0		13.42				
100	QPSK	1	1		12.54				
100	QPSK	1	137		13.60		15.0	0.0	
100	QPSK	1	271		13.55				
100	QPSK	135	0		13.61				
100	QPSK	135	69		13.56		15.0	0.0	
100	QPSK	135	138		13.40				
100	QPSK	270	0		13.54		15.0	0.0	
100	16QAM	1	1		13.47		15.0	0.0	
100	64QAM	1	1		13.59		15.0	0.0	
100	256QAM	1	1		13.43		15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	649668	650000	650332	Tune-up limit (dBm)	MPR	(dB)
				3742.02	3750	3754.98			
90	QPSK	1	1	13.15	13.26	13.20	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR	(dB)
				3740.01	3750	3759.99			
80	QPSK	1	1	13.29	13.30	13.29	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	649000	650000	651000	Tune-up limit (dBm)	MPR	(dB)
				3735	3750	3765			
70	QPSK	1	1	13.34	13.32	13.29	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648334	650000	651668	Tune-up limit (dBm)	MPR	(dB)
				3725.01	3750	3774.99			
60	QPSK	1	1	13.27	13.39	13.27	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR	(dB)
				3720	3750	3780			
50	QPSK	1	1	13.25	13.27	13.40	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648668	650000	652668	Tune-up limit (dBm)	MPR	(dB)
				3730	3750	3780			
40	QPSK	1	1	13.27	13.43	13.33	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647668	650000	652332	Tune-up limit (dBm)	MPR	(dB)
				3715.02	3750	3784.98			
30	QPSK	1	1	13.38	13.32	13.21	15.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	647500	650000	652500	Tune-up limit (dBm)	MPR	(dB)
				3712.5	3750	3787.5			
25	QPSK	1	1	13.30	13.19	13.19	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR	(dB)
				3710.01	3750	3789.99			
20	QPSK	1	1	13.18	13.44	13.22	15.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647168	650000	652832	Tune-up limit (dBm)	MPR	(dB)
				3707.52	3750	3792.48			
15	QPSK	1	1	13.25	13.45	13.32	15.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR	(dB)
				3705	3750	3795			
10	QPSK	1	1	13.45	13.32	13.27	15.0	0.0	

Part27Q_n78_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	10.72	633332	3499.98			
100	PV2 BPSK	1	137	10.76			12.0	0.0	
100	PV2 BPSK	1	271	10.81					
100	PV2 BPSK	135	0	10.70			12.0	0.0	
100	PV2 BPSK	135	69	10.78			12.0	0.0	
100	PV2 BPSK	135	138	10.83			12.0	0.0	
100	PV2 BPSK	270	0	10.72					
100	QPSK	1	1	10.10					
100	QPSK	1	157	10.61			12.0	0.0	
100	QPSK	1	271	10.82					
100	QPSK	135	0	10.72					
100	QPSK	135	69	10.68			12.0	0.0	
100	QPSK	135	138	10.74			12.0	0.0	
100	QPSK	270	0	10.84					
100	16QAM	1	1	10.84					
100	64QAM	1	1	10.86			12.0	0.0	
100	256QAM	1	1	10.89			12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	10.50	10.60	10.70	12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	10.44	10.52	10.67	12.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	633334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	10.66	10.62	10.62	12.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	10.67	10.69	10.66	12.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	10.50	10.53	10.53	12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	10.51	10.66	10.62	12.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633332	635668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	10.26	10.52	10.42	12.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630704	633332	635808	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	10.27	10.37	10.44	12.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630500	633332	635808	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	10.59	10.39	10.48	12.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630444	633332	635852	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	10.59	10.33	10.38	12.0	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)				633332		3469.98			
100	PQ2 BPSK	1	1		13.81		15.0	0.0	
100	PQ2 BPSK	1	137		13.77				
100	PQ2 BPSK	1	271		13.68				
100	PQ2 BPSK	135	0		13.78		15.0	0.0	
100	PQ2 BPSK	135	69		13.82		15.0	0.0	
100	PQ2 BPSK	135	138		13.84		15.0	0.0	
100	PQ2 BPSK	270	0		13.73				
100	QPSK	1	1		13.10				
100	QPSK	1	137		13.89		15.0	0.0	
100	QPSK	1	271		13.82		15.0	0.0	
100	QPSK	135	0		13.77				
100	QPSK	135	69		13.85				
100	QPSK	135	138		13.71		15.0	0.0	
100	QPSK	270	0		13.80				
100	16QAM	1	1		13.77		15.0	0.0	
100	64QAM	1	1		13.88		15.0	0.0	
100	256QAM	1	1		13.72		15.0	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.98	3504.99			
80	QPSK	1	1	13.44	13.68	13.47	15.0	0.0	
Channel									
Frequency (MHz)				633008	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.02	3469.98	3504.98			
80	QPSK	1	1	13.45	13.54	13.67	15.0	0.0	
Channel									
Frequency (MHz)				632534	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.01	3469.98	3514.98			
70	QPSK	1	1	13.59	13.55	13.62	15.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3440	3469.98	3519.99			
60	QPSK	1	1	13.66	13.62	13.47	15.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3469.98	3524.98			
50	QPSK	1	1	13.45	13.67	13.59	15.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3469.98	3509.98			
40	QPSK	1	1	13.47	13.74	13.55	15.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.98	3504.99			
30	QPSK	1	1	13.34	13.61	13.48	15.0	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3469.98	3507.49			
25	QPSK	1	1	13.63	13.34	13.45	15.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3469.98	3500			
20	QPSK	1	1	13.40	13.52	13.51	15.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3469.98	3502.49			
15	QPSK	1	1	13.60	13.47	13.37	15.0	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3454.01	3469.98	3504.98			
10	QPSK	1	1	13.52	13.36	13.41	15.0	0.0	

Part27O_n78_Ant_3									
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)				650000		3750			
100	PQ2 BPSK	1	1		10.97		12.0	0.0	
100	PQ2 BPSK	1	137		11.08				
100	PQ2 BPSK	1	271		10.90				
100	PQ2 BPSK	135	0		10.95		12.0	0.0	
100	PQ2 BPSK	135	69		11.08		12.0	0.0	
100	PQ2 BPSK	135	138		11.08		12.0	0.0	
100	PQ2 BPSK	270	0		11.06				
100	QPSK	1	1		10.08				
100	QPSK	1	137		11.10		12.0	0.0	
100	QPSK	1	271		10.99		12.0	0.0	
100	QPSK	135	0		10.94				
100	QPSK	135	69		11.05				
100	QPSK	135	138		10.87		12.0	0.0	
100	QPSK	270	0		10.97				
100	16QAM	1	1		11.05		12.0	0.0	
100	64QAM	1	1		11.03		12.0	0.0	
100	256QAM	1	1		10.88		12.0	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	10.72	10.92	10.74	12.0	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.98	(dBm)	(dB)	
80	QPSK	1	1	10.69	10.72	10.67	12.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	10.89	10.84	10.83	12.0	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3750	3760.98	(dBm)	(dB)	
60	QPSK	1	1	10.66	10.68	10.67	12.0	0.0	
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3735.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	1	10.70	10.87	10.61	12.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	10.74	10.69	10.73	12.0	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	10.73	10.86	10.68	12.0	0.0	
Channel				647500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	10.78	10.66	10.58	12.0	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.98	(dBm)	(dB)	
20	QPSK	1	1	10.67	10.75	10.70	12.0	0.0	
Channel				647168	650000	653168	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	10.74	10.90	10.84	12.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	10.81	10.84	10.68	12.0	0.0	

Part27Q_n78_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1		11.87				
100	PQ2 BPSK	1	137		12.08		13.0	0.0	
100	PQ2 BPSK	1	271		12.07				
100	PQ2 BPSK	135	0		12.09		13.0	0.0	
100	PQ2 BPSK	135	69		12.03		13.0	0.0	
100	PQ2 BPSK	135	138		12.02		13.0	0.0	
100	PQ2 BPSK	270	0		11.98				
100	QPSK	1	1		11.03				
100	QPSK	1	137		12.12		13.0	0.0	
100	QPSK	1	271		11.96				
100	QPSK	135	0		12.00				
100	QPSK	135	69		12.06		13.0	0.0	
100	QPSK	135	138		11.98				
100	QPSK	270	0		12.07		13.0	0.0	
100	16QAM	1	1		12.04		13.0	0.0	
100	64QAM	1	1		11.99		13.0	0.0	
100	256QAM	1	1		12.07		13.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3495	3499.98	3504.99			
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3499.98	3510			
Channel									
Frequency (MHz)									
70	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
				3445.01	3499.98	3514.98			
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	633000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3499.98	3525			
Channel									
Frequency (MHz)									
50	QPSK	1	1	631334	633332	633332	Tune-up limit (dBm)	MPR (dB)	
				3465.01	3499.98	3504.99			
Channel									
Frequency (MHz)									
40	QPSK	1	1	631000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3455.02	3499.98	3504.99			
Channel									
Frequency (MHz)									
30	QPSK	1	1	630634	633332	633632	Tune-up limit (dBm)	MPR (dB)	
				3462.51	3499.98	3507.48			
Channel									
Frequency (MHz)									
25	QPSK	1	1	630668	633332	633000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3499.98	3510			
Channel									
Frequency (MHz)									
20	QPSK	1	1	630334	633332	633332	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3499.98	3514.99			
Channel									
Frequency (MHz)									
15	QPSK	1	1	630334	633332	633332	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3499.98	3514.98			
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633332	633332	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3499.98	3514.98			

Part27Q_n78_Ant 7_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	PQ2 BPSK	1	1		15.06				
100	PQ2 BPSK	1	137		14.90		16.0	0.0	
100	PQ2 BPSK	1	271		14.98				
100	PQ2 BPSK	135	0		14.95		16.0	0.0	
100	PQ2 BPSK	135	69		15.10		16.0	0.0	
100	PQ2 BPSK	135	138		15.00		16.0	0.0	
100	PQ2 BPSK	270	0		15.00				
100	QPSK	1	1		14.04				
100	QPSK	1	137		15.15		16.0	0.0	
100	QPSK	1	271		14.97				
100	QPSK	135	0		14.88				
100	QPSK	135	69		15.09		16.0	0.0	
100	QPSK	135	138		15.07				
100	QPSK	270	0		15.05		16.0	0.0	
100	16QAM	1	1		15.14		16.0	0.0	
100	64QAM	1	1		15.08		16.0	0.0	
100	256QAM	1	1		14.96		16.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3495	3499.98	3504.99			
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
				3482	3499.98	3504.99			
Channel									
Frequency (MHz)									
70	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
				3465.01	3499.98	3514.98			
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	633000	Tune-up limit (dBm)	MPR (dB)	
				3471	3499.98	3525			
Channel									
Frequency (MHz)									
50	QPSK	1	1	631334	633332	633332	Tune-up limit (dBm)	MPR (dB)	
				3462.51	3499.98	3504.99			
Channel									
Frequency (MHz)									
40	QPSK	1	1	631000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3499.98	3507.49			
Channel									
Frequency (MHz)									
30	QPSK	1	1	630668	633332	633000	Tune-up limit (dBm)	MPR (dB)	
				3462.51	3499.98	3504.99			
Channel									
Frequency (MHz)									
25	QPSK	1	1	630668	633332	633000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3499.98	3540			
Channel									
Frequency (MHz)									
20	QPSK	1	1	630334	633332	633332	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3499.98	3544.98			
Channel									
Frequency (MHz)									
15	QPSK	1	1	630334	633332	633332	Tune-up limit (dBm)	MPR (dB)	
				3454.91	3499.98	3542.49			
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633332	633332	Tune-up limit (dBm)	MPR (dB)	
				3454.91	3499.98	3544.98			

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)									
100	Pl2 BPSK	1	1		12.53				
100	Pl2 BPSK	1	137		12.50		13.0	0.0	
100	Pl2 BPSK	1	271		12.56				
100	Pl2 BPSK	135	0		12.40		13.0	0.0	
100	Pl2 BPSK	135	69		12.46		13.0	0.0	
100	Pl2 BPSK	135	138		12.50		13.0	0.0	
100	Pl2 BPSK	270	0		12.51				
100	QPSK	1	1		11.68				
100	QPSK	1	137		12.61		13.0	0.0	
100	QPSK	1	271		12.45				
100	QPSK	135	0		12.48				
100	QPSK	135	69		12.55		13.0	0.0	
100	QPSK	135	138		12.36				
100	QPSK	270	0		12.57		13.0	0.0	
100	16QAM	1	1		12.50		13.0	0.0	
100	64QAM	1	1		12.50		13.0	0.0	
100	256QAM	1	1		12.56		13.0	0.0	
Channel									
40	QPSK	1	1	64666	3750.0	65000	3754.98	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	12.20	12.24	12.27	13.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64634	65000	65066	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	12.24	12.31	12.24	13.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64600	65000	65100	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	37.35	37.50	37.65	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64599	65000	65132	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3730.02	3750.0	3769.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.20	12.28	12.35	13.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64534	65000	65166	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3765.94	3750.0	3744.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.35	12.10	12.17	13.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.12	12.22	12.16	13.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64564	65000	65252	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	3715.02	3750.0	3764.98	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.18	12.24	12.01	13.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	64750	65000	65250	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	3812.4	3750.0	3817.6	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	12.10	12.25	12.29	13.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	64734	65000	65266	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3770.01	3750.0	3789.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.24	12.25	12.12	13.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	64768	65000	65232	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3737.52	3750.0	3762.48	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3716	3750	3785	Tune-up limit (dBm)	MPR (dB)	

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									
Frequency (MHz)									
100	PQ2 BPSK	1	1		15.01				
100	PQ2 BPSK	1	137		15.35		16.0	0.0	
100	PQ2 BPSK	1	271		15.46				
100	PQ2 BPSK	135	0		15.53		16.0	0.0	
100	PQ2 BPSK	135	69		15.54		16.0	0.0	
100	PQ2 BPSK	135	138		15.44		16.0	0.0	
100	PQ2 BPSK	270	0		15.60				
100	QPSK	1	1		14.67				
100	QPSK	1	137		15.62		16.0	0.0	
100	QPSK	1	271		15.40				
100	QPSK	135	0		15.46				
100	QPSK	135	69		15.57				0.0
100	QPSK	135	138		15.45				
100	QPSK	270	0		15.46		16.0	0.0	
100	16QAM	1	1		15.59		16.0	0.0	
100	64QAM	1	1		15.48		16.0	0.0	
100	256QAM	1	1		15.47		16.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	648968	650000	650332	Tune-up limit (dBm)	MPR	
				3742.02	3750	3754.98			
Channel									
Frequency (MHz)									
80	QPSK	1	1	648334	650000	650666	Tune-up limit (dBm)	MPR	
				3745.01	3750	3759.99			
Channel									
Frequency (MHz)									
70	QPSK	1	1	648668	650000	651000	Tune-up limit (dBm)	MPR	
				3735	3750	3765			
Channel									
Frequency (MHz)									
60	QPSK	1	1	648334	650000	651666	Tune-up limit (dBm)	MPR	
				15.23	15.15	15.34	16.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648668	650000	652332	Tune-up limit (dBm)	MPR	
				15.25	15.22	15.12	16.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR	
				3720	3750	3780			
Channel									
Frequency (MHz)									
30	QPSK	1	1	647900	650000	652500	Tune-up limit (dBm)	MPR	
				15.12	15.07	15.13	16.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR	
				15.13	15.14	15.22	16.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647166	650000	652832	Tune-up limit (dBm)	MPR	
				15.17	15.43	15.16	16.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR	
				15.33	15.15	15.31	16.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR	
				15.38	15.18	15.32	16.0	0.0	

Part27Q_n78_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1		15.48				
100	PQ2 BPSK	1	137		15.37		16.5	0.0	
100	PQ2 BPSK	1	271		15.34				
100	PQ2 BPSK	135	0		15.49		16.5	0.0	
100	PQ2 BPSK	135	69		15.38		16.5	0.0	
100	PQ2 BPSK	135	138		15.37		16.5	0.0	
100	PQ2 BPSK	270	0		15.54				
100	QPSK	1	1		15.08				
100	QPSK	1	137		15.55		16.5	0.0	
100	QPSK	1	271		15.45				
100	QPSK	135	0		15.42		16.5	0.0	
100	QPSK	135	69		15.54				
100	QPSK	135	138		15.40				
100	QPSK	270	0		15.49		16.5	0.0	
100	16QAM	1	1		15.51		16.5	0.0	
100	64QAM	1	1		15.48		16.5	0.0	
100	256QAM	1	1		15.34		16.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dbm)	MPR	
				3495	3499.98	3504.98			
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dbm)	MPR	
				3490.02	3499.98	3510.98			
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633332	634332	Tune-up limit (dbm)	MPR	
				3485.01	3499.98	3514.98			
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	635000	Tune-up limit (dbm)	MPR	
				3480	3499.98	3519.98			
Channel									
Frequency (MHz)									
50	QPSK	1	1	631000	633332	635666	Tune-up limit (dbm)	MPR	
				3475	3499.98	3524.98			
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633332	635332	Tune-up limit (dbm)	MPR	
				3470.01	3499.98	3529.98			
Channel									
Frequency (MHz)									
30	QPSK	1	1	630668	633332	635998	Tune-up limit (dbm)	MPR	
				3465	3499.98	3534.98			
Channel									
Frequency (MHz)									
25	QPSK	1	1	630834	633332	635832	Tune-up limit (dbm)	MPR	
				3460.02	3499.98	3530			
Channel									
Frequency (MHz)									
20	QPSK	1	1	630668	633332	636000	Tune-up limit (dbm)	MPR	
				3455.01	3499.98	3534.98			
Channel									
Frequency (MHz)									
15	QPSK	1	1	630200	633332	636166	Tune-up limit (dbm)	MPR	
				3450.5	3499.98	3534.49			
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633332	636332	Tune-up limit (dbm)	MPR	
				3445.01	3499.98	3538.98			

Part27Q_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									
Frequency (MHz)									
100	Pl2 BPSK	1	1		16.36				
100	Pl2 BPSK	1	137		16.51		19.5	0.0	
100	Pl2 BPSK	1	271		16.40				
100	Pl2 BPSK	135	0		16.39		19.5	0.0	
100	Pl2 BPSK	135	69		16.44		19.5	0.0	
100	Pl2 BPSK	135	138		16.41		19.5	0.0	
100	Pl2 BPSK	270	0		16.36		19.5	0.0	
100	QPSK	1	1		17.60				
100	QPSK	1	137		16.52		19.5	0.0	
100	QPSK	1	271		16.53				
100	QPSK	135	0		16.34		19.5	0.0	
100	QPSK	135	69		16.34		19.5	0.0	
100	QPSK	135	138		16.36				
100	QPSK	270	0		16.35		19.5	0.0	
100	16QAM	1	1		16.41		19.5	0.0	
100	64QAM	1	1		16.16		19.5	0.0	
25000					16.47		18.0	1.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63500	63532	63666	Tune-up limit (dBm)	MPR (dB)	
				3496	3499	3504			
90	QPSK	1	1	16.36	16.27	16.30	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63508	63532	63500	Tune-up limit (dBm)	MPR (dB)	
				3495	3498	3494			
80	QPSK	1	1	16.24	16.30	16.29	19.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63534	63532	63432	Tune-up limit (dBm)	MPR (dB)	
				3495	3498	3514			
70	QPSK	1	1	16.28	16.43	16.31	19.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63500	63532	63500	Tune-up limit (dBm)	MPR (dB)	
				3490	3499	3519			
60	QPSK	1	1	16.32	16.36	16.35	19.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63168	63532	63500	Tune-up limit (dBm)	MPR (dB)	
				3495	3498	3494			
50	QPSK	1	1	16.26	16.44	16.30	19.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63154	63532	63532	Tune-up limit (dBm)	MPR (dB)	
				3470	3499	3529			
40	QPSK	1	1	16.31	16.31	16.33	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63100	63532	63566	Tune-up limit (dBm)	MPR (dB)	
				3496	3499	3534			
30	QPSK	1	1	16.34	16.44	16.23	19.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63054	63532	63682	Tune-up limit (dBm)	MPR (dB)	
				3492	3498	3537			
25	QPSK	1	1	16.16	16.37	16.28	19.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63068	63532	63600	Tune-up limit (dBm)	MPR (dB)	
				3490	3498	3540			
15	QPSK	1	1	16.19	16.22	16.35	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63050	63532	63616	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3499	3542.9			
15	QPSK	1	1	16.10	16.50	16.34	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63034	63532	63632	Tune-up limit (dBm)	MPR (dB)	
				3455.1	3498	3544.8			
10	QPSK	1	1	16.23	16.39	16.44	19.5	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				650000					
Frequency (MHz)				3750					
100	P2 BPSK	1	1	15.30			16.5	0.0	
100	P2 BPSK	1	137	15.30					
100	P2 BPSK	1	271	15.36			16.5	0.0	
100	P2 BPSK	135	0	15.29					
100	P2 BPSK	135	69	15.43			16.5	0.0	
100	P2 BPSK	135	138	15.43					
100	P2 BPSK	270	0	15.19			16.5	0.0	
100	QPSK	1	1	14.58					
100	QPSK	1	137	15.45			16.5	0.0	
100	QPSK	1	271	15.22					
100	QPSK	135	0	15.26			16.5	0.0	
100	QPSK	135	69	15.37					
100	QPSK	135	138	15.25			16.5	0.0	
100	QPSK	270	0	15.34					
100	16QAM	1	1	15.40			16.5	0.0	
100	16QAM	1	1	15.33					
100	256QAM	1	1	15.26			16.5	0.0	
Channel				649968	650000	650332			
Frequency (MHz)				3745.02	3750	3754.98	Tune-up limit (dBm)		
90	QPSK	1	1	15.28	15.21	15.10	16.5	0.0	
Channel				649334	650000	650968	Tune-up limit (dBm)		
Frequency (MHz)				3740.01	3750	3759.99	Tune-up limit (dBm)		
80	QPSK	1	1	15.23	15.19	14.97	16.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)		
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)		
70	QPSK	1	1	15.20	15.18	15.15	16.5	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)		
Frequency (MHz)				3730.02	3750	3780.98	Tune-up limit (dBm)		
60	QPSK	1	1	15.31	15.04	15.05	16.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)		
Frequency (MHz)				3725.01	3750	3774.99	Tune-up limit (dBm)		
50	QPSK	1	1	15.29	15.07	14.96	16.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)		
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)		
40	QPSK	1	1	15.25	14.94	15.00	16.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)		
Frequency (MHz)				3715.02	3750	3784.98	Tune-up limit (dBm)		
30	QPSK	1	1	15.10	15.18	15.16	16.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)		
Frequency (MHz)				3712.5	3750	3787.5	Tune-up limit (dBm)		
25	QPSK	1	1	15.21	15.27	14.98	16.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)		
Frequency (MHz)				3710.01	3750	3789.99	Tune-up limit (dBm)		
20	QPSK	1	1	15.20	15.18	15.04	16.5	0.0	
Channel				647168	650000	652832	Tune-up limit (dBm)		
Frequency (MHz)				3707.52	3750	3792.48	Tune-up limit (dBm)		
15	QPSK	1	1	14.96	15.28	15.07	16.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)		
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)		
10	QPSK	1	1	15.01	15.10	15.05	16.5	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					
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1	18.17			19.5	0.0	
100	Pl2 BPSK	1	137	18.32					
100	Pl2 BPSK	1	271	18.19			19.5	0.0	
100	Pl2 BPSK	135	0	18.23					
100	Pl2 BPSK	135	69	18.23			19.5	0.0	
100	Pl2 BPSK	135	138	18.26					
100	Pl2 BPSK	270	0	18.38			19.5	0.0	
100	QPSK	1	1	17.42					
100	QPSK	1	137	18.42			19.5	0.0	
100	QPSK	1	271	18.33					
100	QPSK	135	0	18.26			19.5	0.0	
100	QPSK	135	69	18.38					
100	QPSK	135	138	18.15			19.5	0.0	
100	QPSK	270	0	18.31					
100	16QAM	1	1	18.29			19.5	0.0	
100	64QAM	1	1	17.28					
100	256QAM	1	1	18.61			18.0	1.5	
Channel				650068	650000	650332			
Frequency (MHz)				3745.02	3750	3754.98	Tune-up limit (dbm)		
90	QPSK	1	1	18.03	18.10	18.08	19.5	0.0	
Channel				649334	650000	650968	Tune-up limit (dbm)		
Frequency (MHz)				3740.01	3750	3759.99	Tune-up limit (dbm)		
80	QPSK	1	1	18.26	18.29	18.11	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dbm)		
Frequency (MHz)				3735	3750	3765	Tune-up limit (dbm)		
70	QPSK	1	1	18.11	18.25	18.08	19.5	0.0	
Channel				648668	650000	651332	Tune-up limit (dbm)		
Frequency (MHz)				3730.02	3750	3780.98	Tune-up limit (dbm)		
60	QPSK	1	1	18.14	18.13	17.93	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dbm)		
Frequency (MHz)				3725.01	3750	3774.99	Tune-up limit (dbm)		
50	QPSK	1	1	18.04	18.13	17.95	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dbm)		
Frequency (MHz)				3720	3750	3780	Tune-up limit (dbm)		
40	QPSK	1	1	18.15	18.22	18.10	19.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dbm)		
Frequency (MHz)				3715.02	3750	3784.98	Tune-up limit (dbm)		
30	QPSK	1	1	18.03	18.17	18.01	19.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dbm)		
Frequency (MHz)				3712.5	3750	3787.5	Tune-up limit (dbm)		
25	QPSK	1	1	18.12	18.20	17.97	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dbm)		
Frequency (MHz)				3710.01	3750	3789.99	Tune-up limit (dbm)		
20	QPSK	1	1	18.10	18.14	18.11	19.5	0.0	
Channel				647166	650000	652832	Tune-up limit (dbm)		
Frequency (MHz)				3707.52	3750	3792.48	Tune-up limit (dbm)		
15	QPSK	1	1	18.05	18.19	18.12	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dbm)		
Frequency (MHz)				3705	3750	3795	Tune-up limit (dbm)		
10	QPSK	1	1	18.04	18.26	18.06	19.5	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	22.91	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 Hotspot 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	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

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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	22.81	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

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				633332		3469.98			
100	Pl2 BPSK	1	1	9.31					
100	Pl2 BPSK	1	137	9.37			11.0	0.0	
100	Pl2 BPSK	1	271	9.32					
100	Pl2 BPSK	135	0	9.38			11.0	0.0	
100	Pl2 BPSK	135	69	9.31			11.0	0.0	
100	Pl2 BPSK	135	138	9.42			11.0	0.0	
100	Pl2 BPSK	270	0	9.42					
100	QPSK	1	1	9.25					
100	QPSK	1	137	9.44			11.0	0.0	
100	QPSK	1	271	9.39					
100	QPSK	135	0	9.25			11.0	0.0	
100	QPSK	135	69	9.35					
100	QPSK	135	138	9.30					
100	QPSK	270	0	9.42			11.0	0.0	
100	16QAM	1	1	9.41			11.0	0.0	
100	64QAM	1	1	9.34			11.0	0.0	
100	256QAM	1	1	9.33			11.0	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dbm)	MPR (db)	
				3465	3469.98	3504.99			
80	QPSK	1	1	9.09	9.24	9.16	11.0	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dbm)	MPR (db)	
				3480.02	3469.98	3510			
80	QPSK	1	1	9.08	9.26	9.17	11.0	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dbm)	MPR (db)	
				3485.01	3469.98	3514.98			
70	QPSK	1	1	9.16	9.31	9.05	11.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dbm)	MPR (db)	
				3480	3469.98	3518.99			
60	QPSK	1	1	9.10	9.33	9.22	11.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dbm)	MPR (db)	
				3475.02	3469.98	3525			
50	QPSK	1	1	9.25	9.31	9.09	11.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dbm)	MPR (db)	
				3470.01	3469.98	3529.98			
40	QPSK	1	1	9.15	9.37	9.22	11.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dbm)	MPR (db)	
				3465	3469.98	3534.99			
30	QPSK	1	1	9.15	9.11	9.12	11.0	0.0	
Channel									
Frequency (MHz)				630634	633332	635832	Tune-up limit (dbm)	MPR (db)	
				3462.51	3469.98	3537.45			
25	QPSK	1	1	9.07	9.31	9.10	11.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dbm)	MPR (db)	
				3460.02	3469.98	3540			
20	QPSK	1	1	9.14	9.12	9.19	11.0	0.0	
Channel									
Frequency (MHz)				630300	633332	636166	Tune-up limit (dbm)	MPR (db)	
				3457.5	3469.98	3542.49			
15	QPSK	1	1	9.33	9.28	9.18	11.0	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dbm)	MPR (db)	
				3454.01	3469.98	3544.98			
10	QPSK	1	1	9.19	9.39	9.01	11.0	0.0	

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)				633332		3469.98			
100	PQ2 BPSK	1	1	12.42					
100	PQ2 BPSK	1	137	12.36			14.0	0.0	
100	PQ2 BPSK	1	271	12.21					
100	PQ2 BPSK	135	0	12.38			14.0	0.0	
100	PQ2 BPSK	135	69	12.43			14.0	0.0	
100	PQ2 BPSK	135	138	12.34			14.0	0.0	
100	PQ2 BPSK	270	0	12.29					
100	QPSK	1	1	11.17					
100	QPSK	1	137	12.64			14.0	0.0	
100	QPSK	1	271	12.40					
100	QPSK	135	0	12.40			14.0	0.0	
100	QPSK	135	69	12.62					
100	QPSK	135	138	12.24					
100	QPSK	270	0	12.55			14.0	0.0	
100	16QAM	1	1	12.27			14.0	0.0	
100	64QAM	1	1	12.41			14.0	0.0	
100	256QAM	1	1	12.32			14.0	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3465	3469.98	3504.99			
90	QPSK	1	1	12.09	12.30	12.25	14.0	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3469.98	3510			
80	QPSK	1	1	12.02	12.35	12.16	14.0	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3469.98	3514.98			
70	QPSK	1	1	12.16	12.27	12.21	14.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
				3480	3469.98	3518.98			
60	QPSK	1	1	12.24	12.30	12.17	14.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3469.98	3525			
50	QPSK	1	1	12.12	12.29	12.22	14.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3469.98	3529.98			
40	QPSK	1	1	12.15	12.27	12.19	14.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
				3465	3469.98	3534.99			
30	QPSK	1	1	12.03	12.11	12.12	14.0	0.0	
Channel									
Frequency (MHz)				630634	633332	635832	Tune-up limit (dBm)	MPR (dB)	
				3462.51	3469.98	3537.45			
25	QPSK	1	1	12.04	12.30	12.13	14.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3469.98	3540			
20	QPSK	1	1	12.14	12.22	12.01	14.0	0.0	
Channel									
Frequency (MHz)				630300	633332	636166	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3469.98	3542.49			
15	QPSK	1	1	12.31	12.27	12.14	14.0	0.0	
Channel									
Frequency (MHz)				630332	633332	636332	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3469.98	3544.98			
10	QPSK	1	1	12.35	12.32	11.96	14.0	0.0	

Part270_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	P12 BPSK	1	1	12.37	12.38	12.23			
100	P12 BPSK	1	137	12.31	12.39	12.33	14.0	0.0	
100	P12 BPSK	1	271	12.33	12.28	12.28			
100	P12 BPSK	135	9	12.29	12.40	12.39	14.0	0.0	
100	P12 BPSK	135	69	12.27	12.30	12.39	14.0	0.0	
100	P12 BPSK	135	138	12.41	12.46	12.31	14.0	0.0	
100	P12 BPSK	270	0	12.25	12.35	12.23	14.0	0.0	
100	QPSK	1	1	11.28	11.63	11.36			
100	QPSK	1	137	12.37	12.48	12.24	14.0		
100	QPSK	1	271	12.41	12.31	12.43			
100	QPSK	135	9	12.38	12.37	12.39			
100	QPSK	135	69	12.29	12.47	12.41	14.0		
100	QPSK	135	138	12.39	12.33	12.44			
100	QPSK	270	0	12.38	12.44	12.24	14.0	0.0	
100	16QAM	1	1	12.26	12.37	12.30	14.0	0.0	
100	64QAM	1	1	12.27	12.43	12.35	14.0	0.0	
100	256QAM	1	1	12.23	12.41	12.43	14.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.12	12.14	12.08	14.0	MPR	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.09	12.20	12.12	14.0	MPR	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.05	12.15	12.08	14.0	MPR	(dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.01	12.10	12.03	14.0	MPR	(dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.01	12.10	12.03	14.0	MPR	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.02	12.31	12.15	14.0	MPR	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.06	12.26	12.10	14.0	MPR	(dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	12.07	12.25	12.01	14.0	MPR	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.10	12.32	12.05	14.0	MPR	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.16	12.20	12.13	14.0	MPR	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.17	12.30	12.05	14.0	MPR	(dB)

Part27Q_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	P12 BPSK	1	1		9.74				
100	P12 BPSK	1	137		9.75		11.0	0.0	
100	P12 BPSK	1	271		9.71				
100	P12 BPSK	135	0		9.66		11.0	0.0	
100	P12 BPSK	135	69		9.77		11.0	0.0	
100	P12 BPSK	135	138		9.70		11.0	0.0	
100	P12 BPSK	270	0		9.69				
100	QPSK	1	1		9.58				
100	QPSK	1	137		9.67		11.0	0.0	
100	QPSK	1	271		9.82				
100	QPSK	135	0		9.80				
100	QPSK	135	69		9.84		11.0	0.0	
100	QPSK	135	138		9.82				
100	QPSK	270	0		9.78		11.0	0.0	
100	16QAM	1	1		9.78		11.0	0.0	
100	64QAM	1	1		9.72		11.0	0.0	
100	256QAM	1	1		9.82		11.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	9.43	9.56	9.75	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	9.31	9.43	9.58	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	9.37	9.48	9.58	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	9.51	9.56	9.51	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	9.41	9.61	9.51	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	9.36	9.47	9.66	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	9.34	9.45	9.52	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	9.53	9.40	9.30	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	9.63	9.45	9.34	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	9.54	9.45	9.30	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	9.44	9.58	9.34	Tune-up limit (dBm)	MPR (dB)	

Part27Q_n77_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)									
100	P12 BPSK	1	1		12.68				
100	P12 BPSK	1	137		12.80		14.0	0.0	
100	P12 BPSK	1	271		12.81				
100	P12 BPSK	135	9		12.62		14.0	0.0	
100	P12 BPSK	135	69		12.77		14.0	0.0	
100	P12 BPSK	135	138		12.66		14.0	0.0	
100	P12 BPSK	270	0		12.66				
100	QPSK	1	1		12.17				
100	QPSK	1	137		12.84		14.0	0.0	
100	QPSK	1	271		12.87				
100	QPSK	135	9		12.76				
100	QPSK	135	69		12.80		14.0	0.0	
100	QPSK	135	138		12.84				
100	QPSK	270	0		12.68		14.0	0.0	
100	16QAM	1	1		12.68		14.0	0.0	
100	64QAM	1	1		12.79		14.0	0.0	
100	256QAM	1	1		12.87		14.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3495	3499.98	3504.99	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	12.38	12.45	12.62	14.0	14.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	3495	3499.98	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	12.43	12.45	12.45	14.0	14.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	3495	3499.98	3514.98	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	12.48	12.42	12.48	14.0	14.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	3495	3499.98	3519.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	12.33	12.61	12.58	14.0	14.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	3495	3499.98	3524.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	12.43	12.59	12.45	14.0	14.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	3495	3499.98	3529.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	12.35	12.52	12.67	14.0	14.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	3495	3499.98	3534.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	12.42	12.38	12.44	14.0	14.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	3495	3499.98	3539.98	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	12.47	12.33	12.36	14.0	14.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	3495	3499.98	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	12.40	12.51	12.43	14.0	14.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	3495	3499.98	3542.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	12.46	12.48	12.27	14.0	14.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	3495	3499.98	3544.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	12.52	12.51	12.32	14.0	14.0	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	PQ2 BPSK	1	1	9.88	9.94	9.99			
100	PQ2 BPSK	1	137	10.03	9.96	10.12	11.0	0.0	
100	PQ2 BPSK	1	271	9.91	10.11	10.08			
100	PQ2 BPSK	135	0	9.92	10.08	10.11	11.0	0.0	
100	PQ2 BPSK	135	69	9.92	10.05	9.96	11.0	0.0	
100	PQ2 BPSK	135	138	9.98	10.01	10.05			
100	PQ2 BPSK	270	0	10.02	10.06	9.99	11.0	0.0	
100	QPSK	1	1	8.73	8.77	8.69			
100	QPSK	1	137	9.90	10.16	10.09	11.0	0.0	
100	QPSK	1	271	9.82	10.12	10.06			
100	QPSK	135	0	9.93	10.11	9.90			
100	QPSK	135	69	10.00	10.12	10.02	11.0	0.0	
100	QPSK	135	138	10.00	9.97	9.93			
100	QPSK	270	0	9.91	9.98	9.94	11.0	0.0	
100	16QAM	1	1	10.06	10.10	10.00	11.0	0.0	
100	64QAM	1	1	10.00	10.02	10.05	11.0	0.0	
100	256QAM	1	1	10.05	10.07	10.04	11.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	9.12	9.18	9.05	11.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	9.73	9.86	9.87	11.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	9.75	9.84	9.84			
70	QPSK	1	1	9.81	10.00	9.84	11.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	9.83	9.93	9.74	11.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	9.38	9.77	9.75	11.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	9.81	9.76	9.81	11.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	9.84	9.94	9.71	11.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	9.53	10.01	9.96	11.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	9.77	9.99	9.88	11.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	9.82	9.94	9.80	11.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	9.85	9.97	9.70	11.0	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	P2 BPSK	1	1	12.95	12.91	13.06			
100	P2 BPSK	1	137	13.02	12.97	12.89	14.0	0.0	
100	P2 BPSK	1	271	12.99	13.04	12.95			
100	P2 BPSK	135	0	12.97	12.98	13.04	14.0	0.0	
100	P2 BPSK	135	69	13.02	12.99	12.89	14.0	0.0	
100	P2 BPSK	135	138	12.95	13.04	13.01			
100	P2 BPSK	270	0	12.96	12.99	13.05	14.0	0.0	
100	QPSK	1	1	11.77	11.88	11.70			
100	QPSK	1	137	13.01	13.13	12.96	14.0	0.0	
100	QPSK	1	271	12.91	13.11	12.84			
100	QPSK	135	0	12.87	12.99	12.92			
100	QPSK	135	69	13.02	13.05	13.00	14.0	0.0	
100	QPSK	135	138	12.89	13.07	12.87			
100	QPSK	270	0	13.03	13.11	13.06	14.0	0.0	
100	16QAM	1	1	12.97	12.95	12.96	14.0	0.0	
100	64QAM	1	1	12.93	12.97	12.95	14.0	0.0	
100	256QAM	1	1	13.08	13.02	13.07	14.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.08	12.99	12.90	14.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.85	12.81	12.77	14.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.90	12.87	12.76	14.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.80	13.00	12.72	14.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.82	12.79	12.65	14.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.74	12.84	12.92	14.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.87	12.95	12.84	14.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	12.79	13.08	12.87	14.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.82	12.99	12.76	14.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.76	13.00	12.75	14.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.83	12.87	12.72	14.0	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									
Frequency (MHz)									
100	Pl2 BPSK	1	1			11.01			
100	Pl2 BPSK	1	137			10.97	12.0	0.0	
100	Pl2 BPSK	1	271			11.07			
100	Pl2 BPSK	135	0			11.07	12.0	0.0	
100	Pl2 BPSK	135	69			10.89			
100	Pl2 BPSK	135	138			11.04	12.0	0.0	
100	Pl2 BPSK	270	0			11.05			
100	QPSK	1	1			10.21			
100	QPSK	1	137			11.11	12.0	0.0	
100	QPSK	1	271			10.96			
100	QPSK	135	0			10.90			
100	QPSK	135	69			11.03	12.0	0.0	
100	QPSK	135	138						
100	QPSK	270	0			10.93	12.0	0.0	
100	16QAM	1	1			11.06	12.0	0.0	
100	64QAM	1	1			10.99	12.0	0.0	
100	256QAM	1	1			10.95	12.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63.600	63.532	63.696	Tune-up limit (dBm)	MPR (dB)	
				3499.8	3499.8	3504.9			
90	QPSK	1	1	10.68	10.80	10.66	12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63.268	63.532	63.400	Tune-up limit (dBm)	MPR (dB)	
				3491.2	3499.8	3501.2			
80	QPSK	1	1	10.84	10.85	10.62	12.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63.254	63.532	63.432	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3499.8	3514.98			
70	QPSK	1	1	10.76	10.84	10.72	12.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63.200	63.532	63.668	Tune-up limit (dBm)	MPR (dB)	
				3480	3499.8	3519.99			
60	QPSK	1	1	10.77	10.68	10.73	12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63.168	63.532	63.500	Tune-up limit (dBm)	MPR (dB)	
				3475.2	3499.8	3524			
40	QPSK	1	1	10.77	10.80	10.71	12.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63.134	63.532	63.532	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3499.8	3529.98			
30	QPSK	1	1	10.77	10.67	10.63	12.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63.100	63.532	63.666	Tune-up limit (dBm)	MPR (dB)	
				3465	3499.8	3534.99			
20	QPSK	1	1	10.81	10.59	10.70	12.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63.034	63.532	63.682	Tune-up limit (dBm)	MPR (dB)	
				3462.81	3499.8	3537.48			
15	QPSK	1	1	10.84	10.69	10.73	12.0	0.0	
15	QPSK	1	1	10.68	10.78	10.79	12.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63.068	63.500	63.600	Tune-up limit (dBm)	MPR (dB)	
				3470.02	3499.8	3540			
10	QPSK	1	1	10.54	10.74	10.75	12.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63.050	63.532	63.686	Tune-up limit (dBm)	MPR (dB)	
				3467.5	3499.8	3542.49			
15	QPSK	1	1	10.60	10.74	10.76	12.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63.035	63.532	63.632	Tune-up limit (dBm)	MPR (dB)	
				3465.01	3499.8	3544.86			
10	QPSK	1	1	10.59	10.75	10.76	12.0	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)				633332		3469.98			
100	PQ2 BPSK	1	1		13.54		14.5	0.0	
100	PQ2 BPSK	1	137		13.53				
100	PQ2 BPSK	1	271		13.43		14.5	0.0	
100	PQ2 BPSK	135	0		13.54				
100	PQ2 BPSK	135	69		13.52		14.5	0.0	
100	PQ2 BPSK	135	138		13.43		14.5	0.0	
100	PQ2 BPSK	270	0		13.43				
100	QPSK	1	1		12.97		14.5	0.0	
100	QPSK	1	137		13.60				
100	QPSK	1	271		13.44		14.5	0.0	
100	QPSK	135	0		13.43				
100	QPSK	135	69		13.46		14.5	0.0	
100	QPSK	135	138		13.38				
100	QPSK	270	0		13.40		14.5	0.0	
100	16QAM	1	1		13.48		14.5	0.0	
100	64QAM	1	1		13.38		14.5	0.0	
100	256QAM	1	1		13.52		14.5	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		13.24	13.39	13.40	14.5	0.0
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		13.44	13.32	13.36	14.5	0.0
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		13.32	13.45	13.20	14.5	0.0
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		13.23	13.30	13.21	14.5	0.0
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		13.40	13.42	13.25	14.5	0.0
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		13.23	13.21	13.46	14.5	0.0
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		13.34	13.39	13.15	14.5	0.0
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1		13.24	13.19	13.26	14.5	0.0
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		13.32	13.32	13.24	14.5	0.0
Channel									
Frequency (MHz)				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		13.13	13.42	13.34	14.5	0.0
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		13.25	13.46	13.42	14.5	0.0

Part27Q_n77_Ant 9_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)				633332	3469.98				
100	PQ2 BPSK	1	1		16.48		17.5	0.0	
100	PQ2 BPSK	1	137		16.47				
100	PQ2 BPSK	1	271		16.49		17.5	0.0	
100	PQ2 BPSK	135	0		16.49				
100	PQ2 BPSK	135	69		16.48		17.5	0.0	
100	PQ2 BPSK	135	138		16.41		17.5	0.0	
100	PQ2 BPSK	270	0		16.43				
100	QPSK	1	1		16.03		17.5	0.0	
100	QPSK	1	137		16.01				
100	QPSK	1	271		16.52		17.5	0.0	
100	QPSK	135	0		16.38				
100	QPSK	135	69		16.58		17.5	0.0	
100	QPSK	135	138		16.42				
100	QPSK	270	0		16.45		17.5	0.0	
100	16QAM	1	1		16.47		17.5	0.0	
100	64QAM	1	1		16.41		17.5	0.0	
100	256QAM	1	1		16.42		17.5	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	16.35	16.38	16.29	17.5		
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.41	16.24	16.22	17.5		
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	16.35	16.28	16.24	17.5		
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	16.39	16.34	16.20	17.5		
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	16.26	16.37	16.32	17.5		
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.30	16.30	16.42	17.5		
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.15	16.23	16.14	17.5		
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	16.25	16.25	16.18	17.5		
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.21	16.40	16.33	17.5		
Channel									
Frequency (MHz)				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.15	16.50	16.41	17.5		
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.13	16.51	16.41	17.5		

Part270_n77_Ant 9									
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)				635000	640000	650000			
100	Pl2 BPSK	1	1		13.48	13.49	13.38	14.5	0.0
100	Pl2 BPSK	1	137		13.41	13.45	13.42		
100	Pl2 BPSK	1	271		13.44	13.29	13.31	14.5	0.0
100	Pl2 BPSK	135	0		13.47	13.47	13.45		
100	Pl2 BPSK	135	69		13.34	13.50	13.30	14.5	0.0
100	Pl2 BPSK	135	138		13.43	13.53	13.31	14.5	0.0
100	Pl2 BPSK	270	0		13.33	13.58	13.38		
100	QPSK	1	1		12.46	12.58	12.37	14.5	0.0
100	QPSK	1	137		13.47	13.54	13.45		
100	QPSK	1	271		13.33	13.49	13.39	14.5	0.0
100	QPSK	135	0		13.31	13.37	13.38		
100	QPSK	135	69		13.45	13.48	13.59	14.5	0.0
100	QPSK	135	138		13.44	13.37	13.33	14.5	0.0
100	QPSK	270	0		13.31	13.45	13.31		
100	16QAM	1	1		13.35	13.40	13.34	14.5	0.0
100	64QAM	1	1		13.43	13.55	13.35	14.5	0.0
100	256QAM	1	1		13.38	13.57	13.49	14.5	0.0
Channel									
Frequency (MHz)				640000	650000	660000	14.5	0.0	MPR (dB)
95	QPSK	1	1		13.45	13.40	13.34	14.5	0.0
95	QPSK	1	1		13.21	13.34	13.34	14.5	0.0
Channel				646334	650000	660686			MPR (dB)
Frequency (MHz)				3700	3840	3900			
80	QPSK	1	1		13.12	13.43	13.17	14.5	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1		13.23	13.28	13.15	14.5	0.0
Channel				649000	650000	660332			MPR (dB)
Frequency (MHz)				3730	3840	3949.98			
60	QPSK	1	1		13.19	13.15	13.33	14.5	0.0
Channel				646334	650000	660686	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3704.81	3840	3949.89			
50	QPSK	1	1		13.25	13.20	13.10	14.5	0.0
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1		13.31	13.28	13.24	14.5	0.0
Channel				646334	650000	660686			MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1		13.32	13.13	13.30	14.5	0.0
Channel				649000	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.4	3840	3974.98			
25	QPSK	1	1		13.32	13.25	13.34	14.5	0.0
Channel				647934	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1		13.36	13.36	13.37	14.5	0.0
Channel				647168	650000	664832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48			
15	QPSK	1	1		13.20	13.39	13.04	14.5	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710	3840	3975			
10	QPSK	1	1		13.09	13.36	13.02	14.5	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	PQ2 BPSK	1	1	16.47	16.54	16.41			
100	PQ2 BPSK	1	137	16.30	16.36	16.24	17.5	0.0	
100	PQ2 BPSK	1	271	16.46	16.43	16.31			
100	PQ2 BPSK	135	0	16.48	16.40	16.41	17.5	0.0	
100	PQ2 BPSK	135	69	16.44	16.43	16.35	17.5	0.0	
100	PQ2 BPSK	135	138	16.29	16.35	16.32	17.5	0.0	
100	PQ2 BPSK	270	0	16.42	16.50	16.38			
100	QPSK	1	1	15.41	15.55	15.51			
100	QPSK	1	137	16.37	16.50	16.37	17.5	0.0	
100	QPSK	1	271	16.39	16.49	16.33			
100	QPSK	135	0	16.31	16.39	16.48			
100	QPSK	135	69	16.34	16.47	16.36	17.5	0.0	
100	QPSK	135	138	16.36	16.47	16.37			
100	QPSK	270	0	16.36	16.45	16.38	17.5	0.0	
100	16QAM	1	1	16.35	16.34	16.39	17.5	0.0	
100	64QAM	1	1	16.42	16.44	16.26	17.5	0.0	
100	256QAM	1	1	16.44	16.46	16.32	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.24	16.31	16.20	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.16	16.33	16.35	17.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.33	16.31	16.28	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.25	16.28	16.27	17.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.15	16.23	16.11	17.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.29	16.20	16.32	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.25	16.24	16.27	17.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.24	16.31	16.21	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.22	16.27	16.36	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.16	16.37	16.19	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.14	16.38	16.02	17.5	0.0	

Part27Q_n78_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1		9.34				
100	PQ2 BPSK	1	137		9.46		11.0	0.0	
100	PQ2 BPSK	1	271		9.39				
100	PQ2 BPSK	135	0		9.43		11.0	0.0	
100	PQ2 BPSK	135	69		9.36		11.0	0.0	
100	PQ2 BPSK	135	138		9.30		11.0	0.0	
100	PQ2 BPSK	270	0		9.36				
100	QPSK	1	1		9.40				
100	QPSK	1	137		9.47		11.0	0.0	
100	QPSK	1	271		9.37				
100	QPSK	135	0		9.35				
100	QPSK	135	69		9.42		11.0	0.0	
100	QPSK	135	138		9.39				
100	QPSK	270	0		9.44		11.0	0.0	
100	16QAM	1	1		9.36		11.0	0.0	
100	64QAM	1	1		9.44		11.0	0.0	
100	256QAM	1	1		9.40		11.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	9.18000	9.19999	9.23999	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	9.16000	9.16000	9.24000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	9.23000	9.23000	9.21000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	9.23000	9.23000	9.24000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	9.32000	9.32000	9.20000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	9.34000	9.34000	9.25000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	9.36000	9.36000	9.26000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	9.39000	9.39000	9.24000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	9.39000	9.39000	9.24000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	9.40000	9.40000	9.24000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	9.40000	9.40000	9.24000	Tune-up limit (dBm)	MPR (dB)	

Part27Q_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		12.39				
100	Pl2 BPSK	1	137		12.35		14.0	0.0	
100	Pl2 BPSK	1	271		12.34				
100	Pl2 BPSK	135	0		12.30		14.0	0.0	
100	Pl2 BPSK	135	69		12.29		14.0	0.0	
100	Pl2 BPSK	135	138		12.37		14.0	0.0	
100	Pl2 BPSK	270	0		12.35				
100	QPSK	1	1		11.40				
100	QPSK	1	137		12.44		14.0	0.0	
100	QPSK	1	271		12.31				
100	QPSK	135	0		12.39				
100	QPSK	135	69		12.43		14.0	0.0	
100	QPSK	135	138		12.25				
100	QPSK	270	0		12.35		14.0	0.0	
100	16QAM	1	1		12.40		14.0	0.0	
100	64QAM	1	1		12.45		14.0	0.0	
100	256QAM	1	1		12.40		14.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63890	63532	63896	14.0	0.0	MPR (dB)
				3495	3499.98	3504.99			
90	QPSK	1	1	12.28	12.15	12.15	14.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63268	63532	63400	14.0	0.0	MPR (dB)
				34912	3499.98	35012			
80	QPSK	1	1	12.38	12.22	12.31	14.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63254	63532	63432	14.0	0.0	MPR (dB)
				3485.01	3499.98	3514.98			
70	QPSK	1	1	12.30	12.25	12.16	14.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63200	63532	63566	14.0	0.0	MPR (dB)
				3480	3499.98	3519.99			
60	QPSK	1	1	12.36	12.35	12.35	14.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63168	63532	63500	14.0	0.0	MPR (dB)
				3475.02	3499.98	3504			
50	QPSK	1	1	12.19	12.27	12.20	14.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63134	63532	63532	14.0	0.0	MPR (dB)
				3470.01	3499.98	3529.98			
40	QPSK	1	1	12.24	12.13	12.17	14.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63100	63532	63566	14.0	0.0	MPR (dB)
				3465	3499.98	3534.99			
30	QPSK	1	1	12.29	12.41	12.36	14.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63044	63532	63582	14.0	0.0	MPR (dB)
				3462.01	3499.98	3537.48			
25	QPSK	1	1	12.23	12.39	12.21	14.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63068	63532	63600	14.0	0.0	MPR (dB)
				3470.02	3499.98	3540			
20	QPSK	1	1	12.28	12.19	12.08	14.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	63100	63532	63586	14.0	0.0	MPR (dB)
				3457.5	3499.98	3542.49			
15	QPSK	1	1	12.13	12.43	12.16	14.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63032	63532	63632	14.0	0.0	MPR (dB)
				3465.01	3499.98	3544.98			
10	QPSK	1	1	12.15	12.46	12.23	14.0	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	Pl2 BPSK	1	1		9.52				
100	Pl2 BPSK	1	137		9.58		11.0	0.0	
100	Pl2 BPSK	1	271		9.53				
100	Pl2 BPSK	135	0		9.59		11.0	0.0	
100	Pl2 BPSK	135	69		9.40		11.0	0.0	
100	Pl2 BPSK	135	138		9.48		11.0	0.0	
100	Pl2 BPSK	270	0		9.44				
100	QPSK	1	1		9.54				
100	QPSK	1	137		9.50		11.0	0.0	
100	QPSK	1	271		9.43				
100	QPSK	135	0		9.43		11.0	0.0	
100	QPSK	135	69		9.54				
100	QPSK	135	138		9.46				
100	QPSK	270	0		9.52		11.0	0.0	
100	16QAM	1	1		9.55		11.0	0.0	
100	64QAM	1	1		9.46		11.0	0.0	
100	256QAM	1	1		9.39		11.0	0.0	
Channel									
				649668	650000	650332	Tune-up limit	MPR	
				3742.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	9.36	9.30	9.29	11.0	0.0	
Channel									
				648334	650000	650668	Tune-up limit	MPR	
				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	9.48	9.46	9.32	11.0	0.0	
Channel									
				648000	650000	651000	Tune-up limit	MPR	
				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	9.28	9.29	9.42	11.0	0.0	
Channel									
				649668	650000	651332	Tune-up limit	MPR	
				3740.02	3750	3760.98	(dBm)	(dB)	
60	QPSK	1	1	9.37	9.37	9.30	11.0	0.0	
Channel									
				648334	650000	651668	Tune-up limit	MPR	
				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	9.40	9.40	9.39	11.0	0.0	
Channel									
				648000	650000	652000	Tune-up limit	MPR	
				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	9.37	9.32	9.24	11.0	0.0	
Channel									
				647668	650000	652332	Tune-up limit	MPR	
				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	9.26	9.32	9.31	11.0	0.0	
Channel									
				647500	650000	652500	Tune-up limit	MPR	
				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	9.22	9.20	9.17	11.0	0.0	
Channel									
				647334	650000	652668	Tune-up limit	MPR	
				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	9.27	9.27	9.12	11.0	0.0	
Channel									
				647168	650000	652832	Tune-up limit	MPR	
				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	9.29	9.36	9.23	11.0	0.0	
Channel									
				647000	650000	653000	Tune-up limit	MPR	
				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	9.32	9.28	9.36	11.0	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)				600000					
100	Pl2 BPSK	1	1		3750				
100	Pl2 BPSK	1	1		12.43				
100	Pl2 BPSK	1	137		12.52		14.0	0.0	
100	Pl2 BPSK	1	271		12.55				
100	Pl2 BPSK	135	0		12.45		14.0	0.0	
100	Pl2 BPSK	135	69		12.47		14.0	0.0	
100	Pl2 BPSK	135	138		12.48		14.0	0.0	
100	Pl2 BPSK	270	0		12.80				
100	QPSK	1	1		11.47				
100	QPSK	1	137		12.62		14.0	0.0	
100	QPSK	1	271		12.58				
100	QPSK	135	0		12.60		14.0	0.0	
100	QPSK	135	69		12.61		14.0	0.0	
100	QPSK	135	138		12.47				
100	QPSK	270	0		12.58		14.0	0.0	
100	16QAM	1	1		12.60		14.0	0.0	
100	64QAM	1	1		12.61		14.0	0.0	
100	256QAM	1	1		12.38		14.0	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3742.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	12.29	12.30	12.28	14.0	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	12.42	12.49	12.25	14.0	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	12.33	12.28	12.36	14.0	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3740.02	3750	3760.98	(dBm)	(dB)	
60	QPSK	1	1	12.36	12.45	12.32	14.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	1	12.43	12.27	12.26	14.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	12.35	12.46	12.29	14.0	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	12.26	12.36	12.31	14.0	0.0	
Channel				647500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	12.37	12.14	12.08	14.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	12.28	12.46	12.19	14.0	0.0	
Channel				647168	650000	652832	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	12.44	12.30	12.28	14.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	12.34	12.22	12.20	14.0	0.0	

Part27Q_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)				3499.98					
100	Pl2 BPSK	1	1		9.75		11.0	0.0	
100	Pl2 BPSK	1	137		9.80				
100	Pl2 BPSK	1	271		9.68				
100	Pl2 BPSK	135	0		9.83		11.0	0.0	
100	Pl2 BPSK	135	69		9.76		11.0	0.0	
100	Pl2 BPSK	135	138		9.84		11.0	0.0	
100	Pl2 BPSK	270	0		9.78		11.0	0.0	
100	QPSK	1	1		9.00		11.0	0.0	
100	QPSK	1	137		9.50				
100	QPSK	1	271		9.82				
100	QPSK	135	0		9.78		11.0	0.0	
100	QPSK	135	69		9.66		11.0	0.0	
100	QPSK	135	138		9.73				
100	QPSK	270	0		9.84				
100	16QAM	1	1		9.70		11.0	0.0	
100	64QAM	1	1		9.70		11.0	0.0	
100	256QAM	1	1		9.83		11.0	0.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3490	3493.98	3504.98	(dbm)	(db)	
90	QPSK	1	1	9.42	9.62	9.56	11.0	0.0	
Channel				633668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3496.98	3510	(dbm)	(db)	
80	QPSK	1	1	9.45	9.60	9.49	11.0	0.0	
Channel				633332	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dbm)	(db)	
70	QPSK	1	1	9.57	9.57	9.49	11.0	0.0	
Channel				632000	633332	634668	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3518.98	(dbm)	(db)	
60	QPSK	1	1	9.58	9.59	9.56	11.0	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3471.02	3499.98	3525	(dbm)	(db)	
50	QPSK	1	1	9.53	9.62	9.55	11.0	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dbm)	(db)	
40	QPSK	1	1	9.62	9.59	9.56	11.0	0.0	
Channel				631000	633332	635668	Tune-up limit	MPR	
Frequency (MHz)				3468.98	3499.98	3534.98	(dbm)	(db)	
30	QPSK	1	1	9.25	9.60	9.34	11.0	0.0	
Channel				630834	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	(dbm)	(db)	
25	QPSK	1	1	9.56	9.43	9.40	11.0	0.0	
Channel				630668	633332	636900	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dbm)	(db)	
20	QPSK	1	1	9.37	9.53	9.45	11.0	0.0	
Channel				630500	633332	636838	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3499.98	3542.48	(dbm)	(db)	
15	QPSK	1	0.41	9.58	9.41	9.49	11.0	0.0	
Channel				630334	633332	636632	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	(dbm)	(db)	
10	QPSK	1	1	9.63	9.51	9.41	11.0	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)				633332		3499.98			
100	PQ2 BPSK	1	1	12.70			14.0	0.0	
100	PQ2 BPSK	1	137	12.80					
100	PQ2 BPSK	1	271	12.67					
100	PQ2 BPSK	135	0	12.85			14.0	0.0	
100	PQ2 BPSK	135	69	12.73			14.0	0.0	
100	PQ2 BPSK	135	138	12.77			14.0	0.0	
100	PQ2 BPSK	270	0	12.70			14.0	0.0	
100	QPSK	1	1	12.11			14.0	0.0	
100	QPSK	1	137	12.88					
100	QPSK	1	271	12.71					
100	QPSK	135	0	12.80			14.0	0.0	
100	QPSK	135	69	12.92					
100	QPSK	135	138	12.90					
100	QPSK	270	0	12.75			14.0	0.0	
100	16QAM	1	1	12.86			14.0	0.0	
100	64QAM	1	1	12.72			14.0	0.0	
100	256QAM	1	1	12.82			14.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dbm)	MPR	
				3495	3499.98	3504.98			
80	QPSK	1	1	12.52	12.65	12.42	14.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3486.02	3499.98	3510			
80	QPSK	1	1	12.41	12.51	12.51	14.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3480	3499.98	3519.98			
70	QPSK	1	1	12.62	12.60	12.54	14.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3475.02	3499.98	3525			
60	QPSK	1	1	12.57	12.66	12.49	14.0	0.0	
Channel				631008	633332	635500	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3471.62	3499.98	3524			
50	QPSK	1	1	12.33	12.70	12.52	14.0	0.0	
Channel				631334	633332	635932	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	12.61	12.65	12.60	14.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3465	3499.98	3534.98			
30	QPSK	1	1	12.32	12.51	12.45	14.0	0.0	
Channel				630834	633332	635832	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3462.81	3499.98	3537.48			
25	QPSK	1	1	12.57	12.41	12.51	14.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	12.55	12.38	12.38	14.0	0.0	
Channel				630330	633332	636330	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49			
15	QPSK	1	1	12.65	12.53	12.41	14.0	0.0	
Channel				630334	633332	636332	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98			
10	QPSK	1	1	12.59	12.44	12.41	14.0	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)				650000		3750			
100	PQ2 BPSK	1	1	10.04			11.0	0.0	
100	PQ2 BPSK	1	137	9.94					
100	PQ2 BPSK	1	271	9.98					
100	PQ2 BPSK	135	0	10.06			11.0	0.0	
100	PQ2 BPSK	135	69	10.07			11.0	0.0	
100	PQ2 BPSK	135	138	10.09			11.0	0.0	
100	PQ2 BPSK	270	0	10.02			11.0	0.0	
100	QPSK	1	1	9.13			11.0	0.0	
100	QPSK	1	137	10.12					
100	QPSK	1	271	10.02					
100	QPSK	135	0	9.91			11.0	0.0	
100	QPSK	135	69	10.05					
100	QPSK	135	138	9.89					
100	QPSK	270	0	9.93			11.0	0.0	
100	16QAM	1	1	9.98			11.0	0.0	
100	64QAM	1	1	9.98			11.0	0.0	
100	256QAM	1	1	9.89			11.0	0.0	
Channel									
Frequency (MHz)				649968	650000	650032	Tune-up limit (dBm)	MPR	
				3743.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	9.71	9.85	9.85	11.0	0.0	
Channel									
Frequency (MHz)				649334	650000	650968	Tune-up limit (dBm)	MPR	
				3740.01	3750	3759.98	(dBm)	(dB)	
80	QPSK	1	1	9.75	9.80	9.50	11.0	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR	
				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	9.78	9.87	9.75	11.0	0.0	
Channel									
Frequency (MHz)				648668	650000	651332	Tune-up limit (dBm)	MPR	
				3740.02	3750	3749.98	(dBm)	(dB)	
60	QPSK	1	1	9.71	9.79	9.51	11.0	0.0	
Channel									
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR	
				3725.01	3750	3774.98	(dBm)	(dB)	
50	QPSK	1	1	9.66	9.85	9.85	11.0	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR	
				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	9.68	9.84	9.71	11.0	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR	
				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	9.88	9.87	9.50	11.0	0.0	
Channel									
Frequency (MHz)				647500	650000	652500	Tune-up limit (dBm)	MPR	
				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	9.85	9.78	9.54	11.0	0.0	
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR	
				3710.01	3750	3789.98	(dBm)	(dB)	
20	QPSK	1	1	9.83	9.76	9.59	11.0	0.0	
Channel									
Frequency (MHz)				647168	650000	652832	Tune-up limit (dBm)	MPR	
				3707.52	3750	3792.48	(dBm)	(dB)	
15	QPSK	1	1	9.82	9.85	9.54	11.0	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR	
				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	9.79	9.77	9.54	11.0	0.0	

Part27O_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)				650000		3750			
100	Pl2 BPSK	1	1	13.00			14.0	0.0	
100	Pl2 BPSK	1	137	12.98					
100	Pl2 BPSK	1	271	12.94					
100	Pl2 BPSK	135	0	12.90			14.0	0.0	
100	Pl2 BPSK	135	69	13.03			14.0	0.0	
100	Pl2 BPSK	135	138	13.02			14.0	0.0	
100	Pl2 BPSK	270	0	13.00			14.0	0.0	
100	QPSK	1	1	12.13			14.0	0.0	
100	QPSK	1	137	15.12					
100	QPSK	1	271	12.98					
100	QPSK	135	0	13.04			14.0	0.0	
100	QPSK	135	69	13.04			14.0	0.0	
100	QPSK	135	138	13.06			14.0	0.0	
100	QPSK	270	0	13.01			14.0	0.0	
100	16QAM	1	1	12.93			14.0	0.0	
100	64QAM	1	1	13.01			14.0	0.0	
100	256QAM	1	1	12.97			14.0	0.0	
Channel				65950	65000	650350	14.0	0.0	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	12.59	12.81	12.63	14.0	0.0	
Channel				648333	65000	650666	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3754.01	3754	3755.00			
80	QPSK	1	1	12.42	12.84	12.59	14.0	0.0	
Channel				648000	65000	651000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	12.77	12.82	12.76	14.0	0.0	
Channel				647625	65000	652375	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	12.68	12.81	12.64	14.0	0.0	
Channel				646333	65000	651666	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3725.01	3754	3759.00			
50	QPSK	1	1	12.61	12.71	12.67	14.0	0.0	
Channel				646000	65000	652000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	12.61	12.72	12.55	14.0	0.0	
Channel				645625	65000	652575	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3715.02	3750	3764.98			
30	QPSK	1	1	12.73	12.84	12.60	14.0	0.0	
Channel				645250	65000	652500	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3712.5	3754	3767.5			
25	QPSK	1	1	12.88	12.67	12.60	14.0	0.0	
Channel				647534	65000	650666	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3710.01	3752	3769.99			
20	QPSK	1	1	12.71	12.81	12.71	14.0	0.0	
Channel				647168	65000	652832	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	12.71	12.86	12.67	14.0	0.0	
Channel				647000	65000	653000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3710	3750	3795			
10	QPSK	1	1	12.84	12.86	12.61	14.0	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)									
100	PQ2 BPSK	1	1	10.90	10.9332	10.9938	12.0	0.0	
100	PQ2 BPSK	1	137	10.98					
100	PQ2 BPSK	1	271	11.01					
100	PQ2 BPSK	135	0	11.03					
100	PQ2 BPSK	135	69	10.99			12.0	0.0	
100	PQ2 BPSK	135	138	11.03			12.0	0.0	
100	PQ2 BPSK	270	0	11.15			12.0	0.0	
100	QPSK	1	1	10.19			12.0	0.0	
100	QPSK	1	137	11.14					
100	QPSK	1	271	10.94					
100	QPSK	135	0	10.93					
100	QPSK	135	69	11.04			12.0	0.0	
100	QPSK	135	138	10.96			12.0	0.0	
100	QPSK	270	0	10.99			12.0	0.0	
100	16QAM	1	1	11.06			12.0	0.0	
100	64QAM	1	1	11.01			12.0	0.0	
100	256QAM	1	1	11.08			12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	10.3300	10.3332	10.3366	Tune-up limit (dBm)	12.0	MPR (dB)
				3495	3499	3504			
60	QPSK	1	1	10.73	10.84	10.72	12.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	10.3608	10.3332	10.3400	Tune-up limit (dBm)	12.0	MPR (dB)
				34912	3499	3501			
80	QPSK	1	1	10.92	11.00	10.67	12.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	10.3234	10.3332	10.3432	Tune-up limit (dBm)	12.0	MPR (dB)
				3495.01	3499	3504			
Channel									
Frequency (MHz)									
60	QPSK	1	1	10.88	10.99	10.54	12.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	10.3300	10.3332	10.3366	Tune-up limit (dBm)	12.0	MPR (dB)
				3490	3499	3519			
60	QPSK	1	1	10.96	10.96	10.68	12.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	10.1108	10.3332	10.3500	Tune-up limit (dBm)	12.0	MPR (dB)
				3481.62	3499	3501			
50	QPSK	1	1	10.79	10.96	10.68	12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.1334	10.3332	10.3532	Tune-up limit (dBm)	12.0	MPR (dB)
				3470.01	3499	3529			
Channel									
Frequency (MHz)									
40	QPSK	1	1	10.83	10.95	10.62	12.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	10.3100	10.3332	10.3566	Tune-up limit (dBm)	12.0	MPR (dB)
				3495	3499	3534			
Channel									
Frequency (MHz)									
30	QPSK	1	1	10.94	10.85	10.67	12.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	10.0304	10.3332	10.3582	Tune-up limit (dBm)	12.0	MPR (dB)
				3482.81	3499	3544			
Channel									
Frequency (MHz)									
25	QPSK	1	1	10.94	10.76	10.58	12.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	10.3608	10.3332	10.3600	Tune-up limit (dBm)	12.0	MPR (dB)
				3490.02	3499	3516			
Channel									
Frequency (MHz)									
20	QPSK	1	1	10.73	10.73	10.85	12.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	10.3000	10.3332	10.3598	Tune-up limit (dBm)	12.0	MPR (dB)
				3457.5	3499	3542.49			
Channel									
Frequency (MHz)									
15	QPSK	1	1	10.78	10.86	10.67	12.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	10.8304	10.3332	10.3632	Tune-up limit (dBm)	12.0	MPR (dB)
				3455.01	3499	3544.88			
Channel									
Frequency (MHz)									
10	QPSK	1	1	10.85	10.87	10.62	12.0	0.0	

Part27Q_n78_Ant 7_HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	13.89	3499.18	13.89	15.0	0.0	
100	PQ2 BPSK	1	137	13.97					
100	PQ2 BPSK	1	271	14.03			15.0	0.0	
100	PQ2 BPSK	135	0	14.06					
100	PQ2 BPSK	135	69	14.11			15.0	0.0	
100	PQ2 BPSK	135	138	13.93					
100	PQ2 BPSK	270	0	14.12			15.0	0.0	
100	QPSK	1	1	13.08					
100	QPSK	1	137	14.13			15.0	0.0	
100	QPSK	1	271	14.09					
100	QPSK	135	0	13.99			15.0	0.0	
100	QPSK	135	69	14.10					
100	QPSK	135	138	13.96			15.0	0.0	
100	QPSK	270	0	14.03					
100	16QAM	1	1	14.03			15.0	0.0	
100	64QAM	1	1	14.03			15.0	0.0	
100	256QAM	1	1	13.99			15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633300	633332	633396	Time-up limit (dbm)	MPR	MCR
				3495	3499.18	3504.99			
90	QPSK	1	1	13.83	13.86	13.70	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	636098	633332	634000	Time-up limit (dbm)	MPR	MCR
				349162	3499.18	3504.99			
80	QPSK	1	1	13.91	13.97	13.56	15.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633332	634332	Time-up limit (dbm)	MPR	MCR
				3465.01	3499.18	3514.98			
70	QPSK	1	1	13.88	13.88	13.60	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	633332	633332	633332	Time-up limit (dbm)	MPR	MCR
				3480	3499.18	3519.99			
60	QPSK	1	1	13.81	13.87	13.74	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631698	633332	633000	Time-up limit (dbm)	MPR	MCR
				3478.62	3499.18	3526.99			
50	QPSK	1	1	13.77	14.10	13.51	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631934	633332	633632	Time-up limit (dbm)	MPR	MCR
				3470.01	3499.18	3529.98			
40	QPSK	1	1	13.81	13.85	13.57	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631030	633332	633666	Time-up limit (dbm)	MPR	MCR
				3465	3499.18	3534.99			
30	QPSK	1	1	13.93	13.93	13.72	15.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630394	633332	633882	Time-up limit (dbm)	MPR	MCR
				3462.81	3499.18	3537.48			
25	QPSK	1	1	13.87	13.79	13.65	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630698	633332	634000	Time-up limit (dbm)	MPR	MCR
				3460.02	3499.18	3540			
20	QPSK	1	1	13.97	13.83	13.88	15.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630590	633332	633636	Time-up limit (dbm)	MPR	MCR
				3457.5	3499.18	3542.49			
15	QPSK	1	1	13.81	13.77	13.73	15.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	630332	633332	633832	Time-up limit (dbm)	MPR	MCR
				3455.01	3499.18	3544.98			
10	QPSK	1	1	13.88	13.85	13.67	15.0	0.0	

Part270_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)									
100	Pl2 BPSK	1	1	11.61			12.0	0.0	
100	Pl2 BPSK	1	137	11.51					
100	Pl2 BPSK	1	271	11.43			12.0	0.0	
100	Pl2 BPSK	135	0	11.40					
100	Pl2 BPSK	135	69	11.53			12.0	0.0	
100	Pl2 BPSK	135	138	11.52					
100	Pl2 BPSK	270	0	11.60			12.0	0.0	
100	QPSK	1	1	10.61					
100	QPSK	1	137	11.63			12.0	0.0	
100	QPSK	1	271	11.45					
100	QPSK	135	0	11.41			12.0	0.0	
100	QPSK	135	69	11.52					
100	QPSK	135	138	11.40			12.0	0.0	
100	QPSK	270	0	11.45					
100	16QAM	1	1	11.63			12.0	0.0	
100	64QAM	1	1	11.50			12.0	0.0	
100	256QAM	1	1	11.61			12.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	11.30	11.25	11.23	12.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.21	11.19	11.23	12.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	11.38	11.27	11.30	12.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	11.21	11.28	11.27	12.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	11.23	11.25	11.29	12.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.17	11.25	11.16	12.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.15	11.29	11.02	12.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	11.09	11.20	11.29	12.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	10.77	11.11	13.92	12.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	11.26	11.26	11.22	12.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	11.33	11.19	11.27	12.0	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										
Frequency (MHz)										
100	PQ2 BPSK	1	1		3750	14.60				
100	PQ2 BPSK	1	137		14.51		15.0	0.0		
100	PQ2 BPSK	1	271		14.40					
100	PQ2 BPSK	135	0		14.51		15.0	0.0		
100	PQ2 BPSK	135	69		14.60		15.0	0.0		
100	PQ2 BPSK	135	138		14.56					
100	PQ2 BPSK	270	0		14.51		15.0	0.0		
100	QPSK	1	1		13.56					
100	QPSK	1	137		14.64		15.0	0.0		
100	QPSK	1	271		14.58					
100	QPSK	135	0		14.40					
100	QPSK	135	69		14.56		15.0	0.0		
100	QPSK	135	138		14.42					
100	QPSK	270	0		14.55		15.0	0.0		
100	16QAM	1	1		14.56		15.0	0.0		
100	64QAM	1	1		14.47		15.0	0.0		
100	256QAM	1	1		14.52		15.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	14.17	14.18	14.27	15.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	14.23	14.25	14.23	15.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	14.38	14.25	14.23	15.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	14.22	14.30	14.31	15.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	14.21	14.18	14.30	15.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	14.29	14.06	14.21	15.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	14.22	14.29	14.16	15.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	14.19	14.27	14.22	15.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	14.23	14.29	14.28	15.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	14.32	14.27	14.25	15.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	14.37	14.32	14.41	15.0	0.0		

Part27Q_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										
Frequency (MHz)										
100	Pl2 BPSK	1	1		13.35	13693.8				
100	Pl2 BPSK	1	137		13.45		14.5	0.0		
100	Pl2 BPSK	1	271		13.52					
100	Pl2 BPSK	135	0		13.36		14.5	0.0		
100	Pl2 BPSK	135	69		13.44		14.5	0.0		
100	Pl2 BPSK	135	138		13.41					
100	Pl2 BPSK	270	0		13.55		14.5	0.0		
100	QPSK	1	1		13.08					
100	QPSK	1	137		13.57		14.5	0.0		
100	QPSK	1	271		13.44					
100	QPSK	135	0		13.49					
100	QPSK	135	69		13.52		14.5	0.0		
100	QPSK	135	138		13.47					
100	QPSK	270	0		13.35		14.5	0.0		
100	16QAM	1	1		13.41		14.5	0.0		
100	16QAM	1	1		13.45		14.5	0.0		
100	256QAM	1	1		13.37		14.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	13.27	13.30	13.16	14.5	0.0	MPR (dB)	
Channel										
Frequency (MHz)										
80	QPSK	1	1	13.43	13.33	13.21	14.5	0.0	MPR (dB)	
Channel										
Frequency (MHz)										
70	QPSK	1	1	13.43	13.33	13.21	14.5	0.0	MPR (dB)	
Channel										
Frequency (MHz)										
60	QPSK	1	1	13.36	13.23	13.32	14.5	0.0	MPR (dB)	
Channel										
Frequency (MHz)										
50	QPSK	1	1	13.32	13.41	13.36	14.5	0.0	MPR (dB)	
Channel										
Frequency (MHz)										
40	QPSK	1	1	13.39	13.27	13.25	14.5	0.0	MPR (dB)	
Channel										
Frequency (MHz)										
30	QPSK	1	1	13.17	13.50	13.11	14.5	0.0	MPR (dB)	
Channel										
Frequency (MHz)										
25	QPSK	1	1	13.30	13.25	13.44	14.5	0.0	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	1	13.21	13.28	13.30	14.5	0.0	MPR (dB)	
Channel										
Frequency (MHz)										
15	QPSK	1	1	13.06	13.48	13.32	14.5	0.0	MPR (dB)	
Channel										
Frequency (MHz)										
10	QPSK	1	1	12.99	13.55	13.28	14.5	0.0	MPR (dB)	

Part27Q_n78_Ant 9 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		16.39					
100	Pl2 BPSK	1	137		16.43		17.5	0.0		
100	Pl2 BPSK	1	271		16.38					
100	Pl2 BPSK	135	0		16.39		17.5	0.0		
100	Pl2 BPSK	135	69		16.38		17.5	0.0		
100	Pl2 BPSK	135	138		16.38					
100	Pl2 BPSK	270	0		16.48		17.5	0.0		
100	QPSK	1	1		16.06					
100	QPSK	1	137		16.53		17.5	0.0		
100	QPSK	1	271		16.55					
100	QPSK	135	0		16.38					
100	QPSK	135	69		16.46		17.5	0.0		
100	QPSK	135	138		16.49					
100	QPSK	270	0		16.45		17.5	0.0		
100	16QAM	1	1		16.50		17.5	0.0		
100	64QAM	1	1		16.47		17.5	0.0		
100	256QAM	1	1		16.45		17.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	16.39	16.39	16.12	17.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	16.42	16.28	16.20	17.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	16.34	16.40	16.12	17.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	16.29	16.25	16.30	17.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	16.38	16.42	16.20	17.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	16.26	16.34	16.16	17.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	16.34	16.39	16.34	17.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	16.15	16.20	16.50	17.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	16.26	16.21	16.54	17.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	16.175	16.399	16.542	17.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.0334	16.3332	16.6332	17.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.033	16.333	16.633	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				650000		3750	14.5	0.0	
Frequency (MHz)				3750					
100	Pl2 BPSK	1	1		13.40				
100	Pl2 BPSK	1	137		13.32		14.5	0.0	
100	Pl2 BPSK	1	271		13.29				
100	Pl2 BPSK	135	0		13.42		14.5	0.0	
100	Pl2 BPSK	135	69		13.39		14.5	0.0	
100	Pl2 BPSK	135	138		13.27		14.5	0.0	
100	Pl2 BPSK	270	0		13.38				
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				
100	QPSK	270	0		13.24		14.5	0.0	
100	16QAM	1	1		13.26		14.5	0.0	
100	16QAM	1	1		13.32		14.5	0.0	
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	13.05	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	13.08	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	13.08	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				
100	Pl2 BPSK	1	137		16.32		17.5	0.0	
100	Pl2 BPSK	1	271		16.26				
100	Pl2 BPSK	135	0		16.42		17.5	0.0	
100	Pl2 BPSK	135	69		16.42		17.5	0.0	
100	Pl2 BPSK	135	138		16.39		17.5	0.0	
100	Pl2 BPSK	270	0		16.32				
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				
100	QPSK	270	0		16.38		17.5	0.0	
100	16QAM	1	1		16.35		17.5	0.0	
100	16QAM	1	1		16.36		17.5	0.0	
100	256QAM	1	1		16.27		17.5	0.0	
Channel				649968	650000	650332	MPR		
Frequency (MHz)				3742.02	3750	3754.98	(dBm)		
90	QPSK	1	1	16.29	16.35	16.14	17.5	0.0	
Channel				648334	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				648000	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	22.91	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 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	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

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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

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				365332					
100	Pl2 BPSK	1	1	16.92					
100	Pl2 BPSK	1	137	16.89			18.5		0.0
100	Pl2 BPSK	1	271	16.80					
100	Pl2 BPSK	135	0	16.77			18.5		0.0
100	Pl2 BPSK	135	69	16.90			18.5		0.0
100	Pl2 BPSK	135	138	16.95			18.5		0.0
100	Pl2 BPSK	270	0	16.86					
100	QPSK	1	1	15.84					
100	QPSK	1	137	16.96			18.5		0.0
100	QPSK	1	271	16.87					
100	QPSK	135	0	16.77			18.5		0.0
100	QPSK	135	69	16.84					
100	QPSK	135	138	16.73					
100	QPSK	270	0	16.79			18.5		0.0
100	16QAM	1	1	16.82			18.5		0.0
100	64QAM	1	1	16.82			18.5		0.0
100	256QAM	1	1	16.73			18.5		0.0
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	16.60	16.77	16.65	18.5		0.0
Channel									
Frequency (MHz)				636068	636332	636600	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.40	16.42	16.48	18.5		0.0
Channel									
Frequency (MHz)				635234	635332	635432	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	16.40	16.49	16.14	18.5		0.0
Channel									
Frequency (MHz)				637000	637332	637600	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	16.58	16.84	16.78	18.5		0.0
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	16.47	16.49	16.86	18.5		0.0
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.51	16.75	16.62	18.5		0.0
Channel									
Frequency (MHz)				637000	637332	637600	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.49	16.58	16.66	18.5		0.0
Channel									
Frequency (MHz)				630034	633332	636582	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	16.70	16.79	16.59	18.5		0.0
Channel									
Frequency (MHz)				636068	633332	633666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.84	16.86	16.57	18.5		0.0
Channel									
Frequency (MHz)				632000	633332	634600	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.67	16.66	16.52	18.5		0.0
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.85	16.73	16.64	18.5		0.0

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	Pl2 BPSK	1	1	19.77	3469.98				
100	Pl2 BPSK	1	1	19.77			21.5		0.0
100	Pl2 BPSK	1	137	19.73					
100	Pl2 BPSK	135	0	19.74			21.5		0.0
100	Pl2 BPSK	135	69	19.93			21.5		0.0
100	Pl2 BPSK	135	138	19.96			21.5		0.0
100	Pl2 BPSK	270	0	19.80					
100	QPSK	1	1	19.82					
100	QPSK	1	137	19.96			21.5		0.0
100	QPSK	1	271	19.75					
100	QPSK	135	0	19.73					
100	QPSK	135	69	19.94			21.5		0.0
100	QPSK	135	138	19.98					
100	QPSK	270	0	19.77			21.5		0.0
100	16QAM	1	1	19.86			21.5		0.0
100	64QAM	1	1	19.96			21.5		0.0
100	256QAM	1	1	19.89			21.5		0.0
Channel									
				633000	633302	633966	Tune-up limit		MPR
				Frequency (MHz)	63498	630489	(dBm)		(dB)
90	QPSK	1	1	19.63	19.98	19.80	21.5		0.0
Channel									
				626068	633332	634000	Tune-up limit		MPR
				Frequency (MHz)	349002	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	19.66	19.94	19.85	21.5		0.0
Channel									
				623334	633332	634332	Tune-up limit		MPR
				Frequency (MHz)	348501	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	19.73	19.88	19.87	21.5		0.0
Channel									
				632000	633332	634000	Tune-up limit		MPR
				Frequency (MHz)	3490	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	19.56	19.88	19.73	21.5		0.0
Channel									
				631668	633332	636000	Tune-up limit		MPR
				Frequency (MHz)	3478.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	19.56	19.79	19.64	21.5		0.0
Channel									
				631330	633332	635332	Tune-up limit		MPR
				Frequency (MHz)	3434.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	19.52	19.77	19.74	21.5		0.0
Channel									
				631000	633332	635500	Tune-up limit		MPR
				Frequency (MHz)	3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	19.46	19.57	19.64	21.5		0.0
Channel									
				630804	633332	635882	Tune-up limit		MPR
				Frequency (MHz)	3446.81	3499.98	3537.85	(dBm)	(dB)
25	QPSK	1	1	19.58	19.87	19.64	21.5		0.0
Channel									
				630608	633332	636000	Tune-up limit		MPR
				Frequency (MHz)	3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	19.61	19.68	19.61	21.5		0.0
Channel									
				632500	633332	633500	Tune-up limit		MPR
				Frequency (MHz)	3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	19.77	19.80	19.64	21.5		0.0
Channel									
				630334	633332	636332	Tune-up limit		MPR
				Frequency (MHz)	3456.81	3499.98	3544.88	(dBm)	(dB)
10	QPSK	1	1	19.82	19.89	19.60	21.5		0.0

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	16.89	16.89	16.79			
100	Pl2 BPSK	1	137	16.86	16.81	16.73	18.5	0.0	
100	Pl2 BPSK	1	271	16.73	16.86	16.76			
100	Pl2 BPSK	135	0	16.76	16.88	16.88	18.5	0.0	
100	Pl2 BPSK	135	69	16.95	16.91	16.79	18.5	0.0	
100	Pl2 BPSK	135	138	16.77	16.83	16.77	18.5	0.0	
100	Pl2 BPSK	270	0	16.87	16.81	16.83			
100	QPSK	1	1	15.71	16.01	15.87			
100	QPSK	1	137	16.95	16.96	16.81	18.5	0.0	
100	QPSK	1	271	16.93	16.85	16.85			
100	QPSK	135	0	16.80	16.87	16.73			
100	QPSK	135	69	16.95	16.92	16.85	18.5	0.0	
100	QPSK	135	138	16.85	16.85	16.78			
100	QPSK	270	0	16.82	16.90	16.89	18.5	0.0	
100	16QAM	1	1	16.90	16.83	16.90	18.5	0.0	
100	64QAM	1	1	16.96	16.77	16.77	18.5	0.0	
100	256QAM	1	1	16.88	16.93	16.93	18.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.68	16.80	16.69	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.55	16.69	16.64	18.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.63	16.69	16.59	18.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.53	16.76	16.59	18.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.55	16.76	16.57	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.49	16.74	16.50	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.56	16.61	16.56	18.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.4790	16.5000	16.4500	18.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.465	16.70	16.55	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.7334	16.9000	16.6666	18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.74	16.74	16.60	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.7000	16.8000	16.8000	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.65	16.80	16.85	18.5	0.0	

Part270_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	P12 BPSK	1	1	19.78	19.89	19.91			
100	P12 BPSK	1	137	19.83	19.82	19.75	21.5	0.0	
100	P12 BPSK	1	271	19.96	19.90	19.79			
100	P12 BPSK	135	9	19.71	19.89	19.87	21.5	0.0	
100	P12 BPSK	135	69	19.83	19.92	19.74	21.5	0.0	
100	P12 BPSK	135	138	19.94	19.80	19.89			
100	P12 BPSK	270	0	19.90	19.94	19.73	21.5	0.0	
100	QPSK	1	1	19.83	19.90	19.76			
100	QPSK	1	137	19.83	19.82	19.87	21.5	0.0	
100	QPSK	1	271	19.81	19.94	19.82			
100	QPSK	135	0	19.75	19.89	19.72			
100	QPSK	135	69	19.83	19.92	19.83	21.5	0.0	
100	QPSK	135	138	19.75	20.01	19.84			
100	QPSK	270	0	19.75	19.92	19.72	21.5	0.0	
100	16QAM	1	1	19.90	19.96	19.85	21.5	0.0	
100	64QAM	1	1	19.83	19.79	19.83	21.5	0.0	
100	256QAM	1	1	19.78	19.75	19.76	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.53	19.81	19.69	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.53	19.82	19.51	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.61	19.74	19.66	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.53	19.67	19.69	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.57	19.64	19.59	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.55	19.78	19.52	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.57	19.74	19.55	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.65	19.70	19.70	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.62	19.65	19.59	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.57	19.68	19.72	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.64	19.75	19.71	21.5	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	P12 BPSK	1	1		17.12				
100	P12 BPSK	1	137		16.53		18.0	0.0	
100	P12 BPSK	1	271		16.98				
100	P12 BPSK	135	0		17.11		18.0	0.0	
100	P12 BPSK	135	69		17.02		18.0	0.0	
100	P12 BPSK	135	138		16.93		18.0	0.0	
100	P12 BPSK	270	0		17.06		18.0	0.0	
100	QPSK	1	1		16.10				
100	QPSK	1	137		17.15		18.0	0.0	
100	QPSK	1	271		16.97				
100	QPSK	135	0		16.89				
100	QPSK	135	69		17.07		18.0	0.0	
100	QPSK	135	138		17.02				
100	QPSK	270	0		17.05		18.0	0.0	
100	16QAM	1	1		16.82		18.0	0.0	
100	64QAM	1	1		16.96		18.0	0.0	
100	256QAM	1	1		17.04		18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631334	633332	635332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	630334	633332	636332	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630000	633332	636666	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	629668	633332	637000	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	629334	633332	637332	Tune-up limit (dBm)	MPR	

Part27Q_n77_Ant 7_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	P12 BPSK	1	1		19.94				
100	P12 BPSK	1	137		19.93		21.0	0.0	
100	P12 BPSK	1	271		19.91		21.0	0.0	
100	P12 BPSK	135	9		20.12		21.0	0.0	
100	P12 BPSK	135	69		19.89		21.0	0.0	
100	P12 BPSK	135	138		19.92				
100	P12 BPSK	270	0		20.02		21.0	0.0	
100	QPSK	1	1		19.94				
100	QPSK	1	137		20.15		21.0	0.0	
100	QPSK	1	271		20.10				
100	QPSK	135	0		20.03				
100	QPSK	135	69		20.10		21.0	0.0	
100	QPSK	135	138		20.11				
100	QPSK	270	0		20.09		21.0	0.0	
100	16QAM	1	1		19.93		21.0	0.0	
100	64QAM	1	1		20.11		21.0	0.0	
100	256QAM	1	1		19.97		21.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631336	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630336	633332	636332	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630000	633332	636666	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	629668	633332	637000	Tune-up limit (dBm)	MPR (dB)	

Part27Q_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)				633332		3469.98			
100	PQ2 BPSK	1	1	19.94			21.5	0.0	
100	PQ2 BPSK	1	137	19.76					
100	PQ2 BPSK	1	271	19.87					
100	PQ2 BPSK	135	0	19.82			21.5	0.0	
100	PQ2 BPSK	135	69	19.86			21.5	0.0	
100	PQ2 BPSK	135	138	19.84			21.5	0.0	
100	PQ2 BPSK	270	0	19.99			21.5	0.0	
100	QPSK	1	1	19.03					
100	QPSK	1	137	19.08					
100	QPSK	1	271	19.73			21.5	0.0	
100	QPSK	135	0	19.96					
100	QPSK	135	69	19.96					
100	QPSK	135	138	19.80			21.5	0.0	
100	QPSK	270	0	19.92					
100	16QAM	1	1	19.88			21.5	0.0	
100	64QAM	1	1	19.80			21.5	0.0	
100	256QAM	1	1	19.95			21.5	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
				3465	3469.98	3504.98			
80	QPSK	1	1	19.70	19.79	19.82	21.5	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
				3466.02	3469.98	3510			
80	QPSK	1	1	19.82	19.82	19.69	21.5	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
				3465.01	3469.98	3514.98			
70	QPSK	1	1	19.71	19.78	19.80	21.5	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
				3440	3469.98	3519.98			
60	QPSK	1	1	19.74	19.73	19.82	21.5	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3469.98	3525			
50	QPSK	1	1	19.77	19.69	19.83	21.5	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3469.98	3529.98			
40	QPSK	1	1	19.77	19.71	19.74	21.5	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
				3465	3469.98	3534.98			
30	QPSK	1	1	19.88	19.81	19.71	21.5	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)	
				3462.51	3469.98	3537.51			
25	QPSK	1	1	19.88	19.90	19.70	21.5	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3469.98	3540			
20	QPSK	1	1	19.57	19.73	19.64	21.5	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3469.98	3542.49			
15	QPSK	1	1	19.54	19.90	19.55	21.5	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)	
				3454.01	3469.98	3544.98			
10	QPSK	1	1	19.52	19.77	19.73	21.5	0.0	

Part27O_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)				649968	650000	3750			
100	Pl2 BPSK	1	1	16.88			18.5	0.0	
100	Pl2 BPSK	1	137	16.93					
100	Pl2 BPSK	1	271	16.87					
100	Pl2 BPSK	135	0	17.08			18.5	0.0	
100	Pl2 BPSK	135	69	17.06			18.5	0.0	
100	Pl2 BPSK	135	138	17.01			18.5	0.0	
100	Pl2 BPSK	270	0	16.98			18.5	0.0	
100	QPSK	1	1	15.91					
100	QPSK	1	137	17.09					
100	QPSK	1	271	17.05			18.5	0.0	
100	QPSK	135	0	16.94					
100	QPSK	135	69	17.06					
100	QPSK	135	138	17.04			18.5	0.0	
100	QPSK	270	0	17.04			18.5	0.0	
100	16QAM	1	1	16.99			18.5	0.0	
100	64QAM	1	1	16.93			18.5	0.0	
100	256QAM	1	1	16.92			18.5	0.0	
Channel									
Frequency (MHz)				649968	650000	650332	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3750	3754.98			
90	QPSK	1	1	16.88	16.73	16.72	18.5	0.0	
Channel									
Frequency (MHz)				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3759.98			
80	QPSK	1	1	16.89	16.86	16.77	18.5	0.0	
Channel									
Frequency (MHz)				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3735	3750	3765			
70	QPSK	1	1	16.87	16.85	16.92	18.5	0.0	
Channel									
Frequency (MHz)				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
				3740.02	3750	3761.98			
60	QPSK	1	1	16.79	16.97	16.71	18.5	0.0	
Channel									
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3774.98			
50	QPSK	1	1	16.74	16.87	16.86	18.5	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				3720	3750	3780			
40	QPSK	1	1	16.73	16.88	16.71	18.5	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3784.98			
30	QPSK	1	1	16.83	16.81	16.67	18.5	0.0	
Channel									
Frequency (MHz)				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
				3712.5	3750	3787.5			
25	QPSK	1	1	16.78	16.74	16.70	18.5	0.0	
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3785.98			
20	QPSK	1	1	16.74	16.84	16.83	18.5	0.0	
Channel									
Frequency (MHz)				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)	
				3707.52	3750	3792.48			
15	QPSK	1	1	16.89	16.82	16.75	18.5	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
				3705	3750	3795			
10	QPSK	1	1	16.92	16.86	16.82	18.5	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)				633332		3469.98			
100	PQ2 BPSK	1	1		16.88				
100	PQ2 BPSK	1	137		16.90		18.0	0.0	
100	PQ2 BPSK	1	271		17.14				
100	PQ2 BPSK	135	0		17.05		18.0	0.0	
100	PQ2 BPSK	135	69		17.11		18.0	0.0	
100	PQ2 BPSK	135	138		16.89		18.0	0.0	
100	PQ2 BPSK	270	0		17.11				
100	QPSK	1	1		16.10				
100	QPSK	1	137		17.17		18.0	0.0	
100	QPSK	1	271		16.96				
100	QPSK	135	0		16.91		18.0	0.0	
100	QPSK	135	69		17.15				
100	QPSK	135	138		16.99				
100	QPSK	270	0		17.08		18.0	0.0	
100	16QAM	1	1		17.06		18.0	0.0	
100	64QAM	1	1		17.06		18.0	0.0	
100	256QAM	1	1		17.05		18.0	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3469.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1		16.81	16.98	16.77	18.0	0.0
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3510	(dBm)	(dB)	
80	QPSK	1	1		16.73	16.89	16.51	18.0	0.0
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3469.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1		16.90	16.89	16.56	18.0	0.0
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3455	3469.98	3514.98	(dBm)	(dB)	
60	QPSK	1	1		16.90	16.94	16.55	18.0	0.0
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3469.98	3525	(dBm)	(dB)	
50	QPSK	1	1		16.94	17.04	16.50	18.0	0.0
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3469.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1		16.73	17.01	16.70	18.0	0.0
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3469.98	3534.98	(dBm)	(dB)	
30	QPSK	1	1		16.93	16.79	16.71	18.0	0.0
Channel									
Frequency (MHz)				630634	633332	635832	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3469.98	3537.49	(dBm)	(dB)	
25	QPSK	1	1		16.92	16.75	16.51	18.0	0.0
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3469.98	3540	(dBm)	(dB)	
20	QPSK	1	1		16.81	16.74	16.71	18.0	0.0
Channel									
Frequency (MHz)				630330	633332	636166	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3469.98	3542.49	(dBm)	(dB)	
15	QPSK	1	1		16.95	16.68	16.80	18.0	0.0
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3454.01	3469.98	3544.98	(dBm)	(dB)	
10	QPSK	1	1		16.81	16.91	16.75	18.0	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)				633332	3469.98				
100	Pl2 BPSK	1	1		20.01				
100	Pl2 BPSK	1	137		19.94		21.0	0.0	
100	Pl2 BPSK	1	271		19.94				
100	Pl2 BPSK	135	0		20.08		21.0	0.0	
100	Pl2 BPSK	135	69		20.04		21.0	0.0	
100	Pl2 BPSK	135	138		19.98		21.0	0.0	
100	Pl2 BPSK	270	0		20.00				
100	QPSK	1	1		19.06				
100	QPSK	1	137		20.13		21.0	0.0	
100	QPSK	1	271		19.91				
100	QPSK	135	0		19.91		21.0	0.0	
100	QPSK	135	69		19.97				
100	QPSK	135	138		20.07				
100	QPSK	270	0		19.95		21.0	0.0	
100	16QAM	1	1		20.02		21.0	0.0	
100	64QAM	1	1		20.07		21.0	0.0	
100	256QAM	1	1		20.07		21.0	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3460	3469.98	3504.98	(dbm)	(db)	
90	QPSK	1	1	19.77	19.83	19.69	21.0	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3459.02	3469.98	3510	(dbm)	(db)	
80	QPSK	1	1	19.82	19.98	19.49	21.0	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3460.01	3469.98	3514.98	(dbm)	(db)	
70	QPSK	1	1	19.86	19.98	19.56	21.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3460	3469.98	3519.98	(dbm)	(db)	
60	QPSK	1	1	19.93	19.96	19.55	21.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3459.02	3469.98	3525	(dbm)	(db)	
50	QPSK	1	1	19.87	19.90	19.66	21.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3470.01	3469.98	3529.98	(dbm)	(db)	
40	QPSK	1	1	19.74	20.01	19.65	21.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3465	3469.98	3534.98	(dbm)	(db)	
30	QPSK	1	1	19.87	19.81	19.73	21.0	0.0	
Channel									
Frequency (MHz)				630634	633332	635832	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3462.51	3469.98	3537.49	(dbm)	(db)	
25	QPSK	1	1	19.93	19.78	19.65	21.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3460.02	3469.98	3540	(dbm)	(db)	
20	QPSK	1	1	19.84	19.77	19.73	21.0	0.0	
Channel									
Frequency (MHz)				630330	633332	636166	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3457.5	3469.98	3542.49	(dbm)	(db)	
15	QPSK	1	1	19.82	19.81	19.78	21.0	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dbm)	MPR	
Frequency (MHz)				3454.01	3469.98	3544.98	(dbm)	(db)	
10	QPSK	1	1	19.94	19.77	19.73	21.0	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)				633332		3750			
100	Pl2 BPSK	1	1		17.50				
100	Pl2 BPSK	1	137		17.49		18.0	0.0	
100	Pl2 BPSK	1	271		17.45				
100	Pl2 BPSK	135	0		17.59		18.0	0.0	
100	Pl2 BPSK	135	69		17.47		18.0	0.0	
100	Pl2 BPSK	135	138		17.27		18.0	0.0	
100	Pl2 BPSK	270	0		17.59				
100	QPSK	1	1		16.58				
100	QPSK	1	137		17.59		18.0	0.0	
100	QPSK	1	271		17.49				
100	QPSK	135	0		17.49				
100	QPSK	135	69		17.59		18.0	0.0	
100	QPSK	135	138		17.52		18.0	0.0	
100	QPSK	270	0		17.50				
100	16QAM	1	1		17.51		18.0	0.0	
100	64QAM	1	1		17.42		18.0	0.0	
100	256QAM	1	1		17.50		18.0	0.0	
Channel				64666	65000	65332	18.0	0.0	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	64.733	17.28	17.18	18.0	0.0	
Channel				648334	65000	65066	18.0	0.0	
Frequency (MHz)				3761.01	3750	3769.99			
80	QPSK	1	1	17.19	17.15	17.23	18.0	0.0	
Channel				64900	65000	65100	18.0	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.27	17.20	17.34	18.0	0.0	
Channel				64950	65000	65050	18.0	0.0	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	17.18	17.14	17.25	18.0	0.0	
Channel				648334	65000	65166	18.0	0.0	
Frequency (MHz)				3761.01	3750	3774.99			
50	QPSK	1	1	17.37	17.22	17.14	18.0	0.0	
Channel				64800	65000	65200	18.0	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.22	17.24	17.04	18.0	0.0	
Channel				64764	65000	65232	18.0	0.0	
Frequency (MHz)				3715.02	3750	3764.98			
30	QPSK	1	1	17.12	17.38	17.10	18.0	0.0	
Channel				64750	65000	65290	18.0	0.0	
Frequency (MHz)				3712.4	3750	3787.5			
25	QPSK	1	1	17.00	17.24	17.22	18.0	0.0	
Channel				647354	65000	65266	18.0	0.0	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	17.12	17.26	17.05	18.0	0.0	
Channel				64768	65000	65282	18.0	0.0	
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	17.42	17.23	17.35	18.0	0.0	
Channel				64700	65000	65300	18.0	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	17.41	17.18	17.32	18.0	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	Pl2 BPSK	1	1	20.57			21.0	0.0	
100	Pl2 BPSK	1	137	20.50					
100	Pl2 BPSK	1	271	20.42			21.0	0.0	
100	Pl2 BPSK	135	0	20.45					
100	Pl2 BPSK	135	69	20.53			21.0	0.0	
100	Pl2 BPSK	135	138	20.53					
100	Pl2 BPSK	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	64QAM	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	3749.98	(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	



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	24.0	0.0
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	23.5	0.5
20	PI2 BPSK	1	104	22.60	22.71	22.56		
20	PI2 BPSK	50	0	22.70	22.81	22.66		
20	PI2 BPSK	50	28	22.58	22.72	22.70	23.5	0.5
20	PI2 BPSK	50	56	22.85	22.93	22.82		
20	PI2 BPSK	100	0	22.80	22.89	22.88		
20	QPSK	1	1	22.89	22.95	22.83	24.0	0.0
20	QPSK	1	53	22.91	23.00	22.97		
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		
20	QPSK	50	56	22.82	22.89	22.82		
20	QPSK	100	0	22.85	22.88	22.78	23.0	1.0
20	16QAM	1	1	22.72	22.75	22.61		
20	64QAM	1	1	20.24	20.31	20.27		
20	256QAM	1	1	18.61	18.75	18.60	19.5	4.5
Channel				166300	167300	168300		
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	24.0	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.88	22.93	22.92		
Channel				165300	167300	169300	24.0	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.84	22.89	22.83		

Reduced Power Mode for Sensor off								
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	24.0	0.0
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	23.5	0.5
20	PI2 BPSK	1	104	22.52	22.63	22.56		
20	PI2 BPSK	50	0	22.71	22.72	22.63		
20	PI2 BPSK	50	28	22.52	22.65	22.58	23.5	0.5
20	PI2 BPSK	50	56	22.61	22.72	22.57		
20	PI2 BPSK	100	0	22.80	22.68	22.54		
20	QPSK	1	1	22.56	22.65	22.53	24.0	0.0
20	QPSK	1	53	22.70	22.75	22.64		
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		
20	QPSK	50	56	22.56	22.69	22.59		
20	QPSK	100	0	22.52	22.64	22.56	23.0	1.0
20	16QAM	1	1	22.30	22.42	22.39		
20	64QAM	1	1	19.74	19.85	19.72		
20	256QAM	1	1	18.35	18.46	18.35	19.5	4.5
Channel				166300	167300	168300		
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	24.0	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.61	22.69	22.63	24.0	0.0
Channel				165300	167300	169300	24.0	0.0
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	24.0	0.0
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	23.5	0.5
20	PI2 BPSK	1	104	22.59	22.62	22.48		
20	PI2 BPSK	50	0	22.78	22.80	22.66		
20	PI2 BPSK	50	28	22.73	22.74	22.73	23.5	0.5
20	PI2 BPSK	50	56	22.58	22.73	22.72		
20	PI2 BPSK	100	0	22.83	22.71	22.60		
20	QPSK	1	1	22.77	22.85	22.78	24.0	0.0
20	QPSK	1	53	22.81	22.99	22.80		
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		
20	QPSK	50	56	22.76	22.83	22.68		
20	QPSK	100	0	22.80	22.81	22.72	23.0	1.0
20	16QAM	1	1	22.38	22.45	22.34		
20	64QAM	1	1	19.90	20.00	19.90		
20	256QAM	1	1	18.40	18.45	18.44	19.5	4.5
Channel				134100	136100	138100		
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	24.0	0.0
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.71	22.85	22.78	24.0	0.0
Channel				133100	136100	139100	24.0	0.0
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 Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				3469.98					
100	QPSK	1	1	20.84			22.5	0.0	
100	QPSK	1	1	20.84					
100	QPSK	1	127	20.89					
100	QPSK	135	0	20.78					
100	QPSK	135	69	20.83			22.5	0.0	
100	QPSK	135	138	20.78			22.5	0.0	
100	QPSK	270	0	20.85					
100	QPSK	1	1	19.72					
100	QPSK	1	137	20.98			22.5	0.0	
100	QPSK	1	271	20.78					
100	QPSK	135	0	20.78					
100	QPSK	135	69	20.89			22.5	0.0	
100	QPSK	135	138	20.74					
100	QPSK	270	0	20.74			22.5	0.0	
100	16QAM	1	1	20.77			22.5	0.0	
100	64QAM	1	1	20.87			22.5	0.0	
100	256QAM	1	1	20.10			22.5	0.0	
Channel				633000	633332	633696	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3469.98	3469.98	3469.98			
90	QPSK	1	1	20.55	20.74	20.82	22.5	0.0	
Channel				636968	633332	634000	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3469.98	3510			
80	QPSK	1	1	20.84			22.5	0.0	
Channel				632034	633332	634332	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465.01	3469.98	3514.98			
70	QPSK	1	1	20.67	20.87	20.84	22.5	0.0	
Channel				632000	633332	634000	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3469.98	3519.98			
60	QPSK	1	1	20.71	20.77	20.70	22.5	0.0	
Channel				631698	633332	635000	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3474.02	3469.98	3525.73			
50	QPSK	1	1	20.65	20.85	20.73	22.5	0.0	
Channel				631370	633332	635332	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3474.01	3469.98	3529.98			
40	QPSK	1	1	20.59	20.80	20.71	22.5	0.0	
Channel				631000	633332	635500	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465.00	3469.98	3534.99			
30	QPSK	1	1	20.54	20.54	20.56	22.5	0.0	
Channel				630304	633332	635892	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.81	3469.98	3537.45			
25	QPSK	1	1	20.63	20.71	20.55	22.5	0.0	
Channel				630698	633332	636000	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3469.98	3540			
20	QPSK	1	1	20.58	20.77	20.53	22.5	0.0	
Channel				630300	633332	636100	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3469.98	3542.49			
15	QPSK	1	1	20.68	20.84	20.67	22.5	0.0	
Channel				630334	633332	636332	Time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.81	3469.98	3544.88			
10	QPSK	1	1	20.68	20.69	20.49	22.5	0.0	

Part27Q_n77_Ant_5_HPUE							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	
Channel							
	Frequency (MHz)				3469.98		
100	PQ2 BPSK	1	1	23.88			
100	PQ2 BPSK	1	1	23.87		25.5	0.0
100	PQ2 BPSK	1	271	23.85			
100	PQ2 BPSK	135	0	23.89		25.5	0.0
100	PQ2 BPSK	135	69	23.86		25.5	0.0
100	PQ2 BPSK	135	134	23.87		25.5	0.0
100	PQ2 BPSK	270	0	23.78		25.5	0.0
100	QPSK	1	1	22.86			
100	QPSK	1	1	23.86		25.5	0.0
100	QPSK	1	271	23.85			
100	QPSK	135	0	23.82			
100	QPSK	135	69	23.82		25.5	0.0
100	QPSK	135	138	23.78			
100	QPSK	270	0	23.70		25.5	0.0
100	16QAM	1	1	23.79		25.5	0.0
100	64QAM	1	1	23.82		24.5	0.0
100	256QAM	1	1	23.97		22.5	3.0
Channel							
	Frequency (MHz)			633000	633332	633666	
	Frequency (MHz)			3469	3469.98	3470.98	Time-up limit (dBm)
90	QPSK	1	1	23.57	23.80	23.79	25.5
Channel							
	Frequency (MHz)			636068	633332	634000	Time-up limit (dBm)
	Frequency (MHz)			3470.02	3469.98	3510	Time-up limit (dBm)
60	QPSK	1	1	23.61	23.84	23.84	25.5
Channel							
	Frequency (MHz)			632334	633332	634332	Time-up limit (dBm)
	Frequency (MHz)			3485.01	3469.98	3514.98	Time-up limit (dBm)
70	QPSK	1	1	23.68	23.92	23.62	25.5
Channel							
	Frequency (MHz)			635000	633332	634000	Time-up limit (dBm)
	Frequency (MHz)			3490	3469.98	3519.98	Time-up limit (dBm)
60	QPSK	1	1	23.68	23.71	23.76	25.5
Channel							
	Frequency (MHz)			631168	633332	636000	Time-up limit (dBm)
	Frequency (MHz)			3470.02	3469.98	3510	Time-up limit (dBm)
50	QPSK	1	1	23.70	23.77	23.56	25.5
Channel							
	Frequency (MHz)			631334	633332	635332	Time-up limit (dBm)
	Frequency (MHz)			3470.01	3469.98	3526.98	Time-up limit (dBm)
40	QPSK	1	1	23.62	23.86	23.60	25.5
Channel							
	Frequency (MHz)			631000	633332	635998	Time-up limit (dBm)
	Frequency (MHz)			3485	3469.98	3534.98	Time-up limit (dBm)
30	QPSK	1	1	23.61	23.67	23.69	25.5
Channel							
	Frequency (MHz)			630334	633332	636992	Time-up limit (dBm)
	Frequency (MHz)			3482.61	3469.98	3537.61	Time-up limit (dBm)
25	QPSK	1	1	23.51	23.70	23.60	25.5
Channel							
	Frequency (MHz)			630668	633332	636000	Time-up limit (dBm)
	Frequency (MHz)			3460.02	3469.98	3540	Time-up limit (dBm)
20	QPSK	1	1	23.56	23.70	23.61	25.5
Channel							
	Frequency (MHz)			630500	633332	636000	Time-up limit (dBm)
	Frequency (MHz)			3457.5	3469.98	3542.49	Time-up limit (dBm)
15	QPSK	1	1	23.67	23.66	25.56	25.5
Channel							
	Frequency (MHz)			630334	633332	636332	Time-up limit

Par270_n77_Ant 5									
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	P2 BPSK	1	1	20.73	3840	3900			
100	P2 BPSK	1	1	20.83	20.85	20.73			
100	P2 BPSK	1	137	20.80	20.80	20.82	22.5	0.0	
100	P2 BPSK	1	271	20.71	20.83	20.77			
100	P2 BPSK	135	0	20.86	20.86	20.78	22.5	0.0	
100	P2 BPSK	135	69	20.83	20.97	20.87	22.5	0.0	
100	P2 BPSK	135	138	20.83	20.80	20.84	22.5	0.0	
100	QPSK	270	0	20.86	20.87	20.77	22.5	0.0	
100	QPSK	1	1	19.86	20.10	19.87			
100	QPSK	1	137	20.94	20.91	20.91	22.5	0.0	
100	QPSK	1	271	20.80	20.80	20.75			
100	QPSK	135	0	20.89	20.89	20.80			
100	QPSK	135	69	20.90	20.89	20.86	22.5	0.0	
100	QPSK	135	138	20.85	20.95	20.80			
100	QPSK	270	0	20.86	20.86	20.75			
100	16QAM	1	1	20.79	20.91	20.88	22.5	0.0	
100	64QAM	1	1	20.74	20.85	20.78	22.5	0.0	
100	256QAM	1	1	19.79	19.95	19.85	22.5	0.0	
Channel									
	Frequency (MHz)			646988	656000	662382	Turn-up time (dBm)		MPR (dB)
80	QPSK	1	1	3445.50	3444	3444.06			
90	QPSK	1	1	20.59	20.85	20.65	22.5	0.0	
Channel									
	Frequency (MHz)			649394	666600	662666	Turn-up time (dBm)		MPR (dB)
80	QPSK	1	1	3740.01	3740	3739.99			
90	QPSK	1	1	20.64	20.64	20.65	22.5	0.0	
Channel									
	Frequency (MHz)			655000	659000	663000	Turn-up time (dBm)		MPR (dB)
70	QPSK	1	1	3735	3840	3945			
100	QPSK	1	1	20.50	20.73	20.67	22.5	0.0	
Channel									
	Frequency (MHz)			659000	665000	663032	Turn-up time (dBm)		MPR (dB)
80	QPSK	1	1	3730.02	3840	3949.98			
60	QPSK	1	1	20.64	20.79	20.59	22.5	0.0	
Channel									
	Frequency (MHz)			663404	666600	666666	Turn-up time (dBm)		MPR (dB)
80	QPSK	1	1	3723.01	3723	3724.99			
90	QPSK	1	1	20.78	20.85	20.83	22.5	0.0	
Channel									
	Frequency (MHz)			668000	659000	664000	Turn-up time (dBm)		MPR (dB)
40	QPSK	1	1	20.59	20.70	20.57	22.5	0.0	
Channel									
	Frequency (MHz)			670000	660000	665000	Turn-up time (dBm)		MPR (dB)
35	QPSK	1	1	3715.92	3840	3964.98			
30	QPSK	1	1	20.60	20.64	20.61	22.5	0.0	
Channel									
	Frequency (MHz)			673000	659000	664500	Turn-up time (dBm)		MPR (dB)
25	QPSK	1	1	3712.01	3840	3961.95			
20	QPSK	1	1	20.59	20.70	20.53	22.5	0.0	
Channel									
	Frequency (MHz)			674334	666600	664666	Turn-up time (dBm)		MPR (dB)
20	QPSK	1	1	3710.01	3840	3969.99			
15	QPSK	1	1	20.68	20.72	20.70	22.5	0.0	
10	QPSK	1	1	20.62	20.70	20.62	22.5	0.0	
Channel									
	Frequency (MHz)			673702	3840	3972.48	Turn-up time (dBm)		MPR (dB)
15	QPSK	1	1	20.65	20.81	20.64	22.5	0.0	
Channel									
	Frequency (MHz)			647000	656000	666000	Turn-up time (dBm)		MPR (dB)
10	QPSK	1	1	3840	3840	3840	22.5	0.0	
10	QPSK	1	1	60.73	20.79	20.53	22.5	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 PSBPK	1	1	23.85	23.95	23.75			
100	P2 PSBPK	1	137	23.85	23.95	23.75	25.5	0.0	
100	P2 PSBPK	1	271	23.85	23.80	23.85			
100	P2 PSBPK	135	0	23.80	23.90	23.71	25.5	0.0	
100	P2 PSBPK	135	69	23.80	23.81	23.82	25.5	0.0	
100	P2 PSBPK	135	138	23.86	23.95	23.81	25.5	0.0	
100	P2 PSBPK	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			
100	QPSK	135	69	23.78	23.95	23.70	25.5	0.0	
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									
Frequency (MHz)				669698	665600	662332	Time-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	23.60	23.82	23.67	25.5	0.0	
Channel									
Frequency (MHz)				669334	669600	662096	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.67	23.74	23.58	25.5	0.0	
Channel									
Frequency (MHz)				3725	3840	3945	Time-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	23.51	23.78	23.65	25.5	0.0	
Channel									
Frequency (MHz)				669698	665600	663332	Time-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	23.60	23.82	23.67	25.5	0.0	
Channel									
Frequency (MHz)				3720	3840	3960	Time-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	23.53	23.80	23.55	25.5	0.0	
Channel									
Frequency (MHz)				664768	665600	664332	Time-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.64	23.76	23.60	25.5	0.0	
Channel									
Frequency (MHz)				664700	665600	664500	Time-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	23.50	23.86	23.65	25.5	0.0	
Channel									
Frequency (MHz)				667234	665900	666075	Time-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.65	23.78	23.55	25.5	0.0	
Channel									
Frequency (MHz)				664768	665600	664332	Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.7752	3840	3922.48	25.5	0.0	
Channel									
Frequency (MHz)				664700	665600	665000	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.62	23.72	23.56	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	Tune-up limit (dbm)	MPR (db)
Channel				633332				
Frequency (MHz)				3499.98				
100	PQ2 BPSK	1	1	14.25				
100	PQ2 BPSK	1	1	14.18		15.5		
100	PQ2 BPSK	1	1	14.24				
100	PQ2 BPSK	135	0	14.20		15.5		
100	PQ2 BPSK	135	69	14.28		15.5		
100	PQ2 BPSK	135	138	14.24		15.5		
100	PQ2 QPSK	270	0	14.17		15.5		
100	QPSK	1	1	13.58				
100	QPSK	1	1	13.71		15.5		
100	QPSK	1	1	14.32				
100	QPSK	135	0	14.20		15.5		
100	QPSK	135	138	14.28				
100	QPSK	270	0	14.24		15.5		
100	16QAM	1	1	14.17		15.5		
100	64QAM	1	1	14.27		15.5		
100	256QAM	1	1	14.20		15.5		
Channel				633000		633696		
Frequency (MHz)				3497.88		3501.88		MPR (db)
90	QPSK	1	1	13.91		14.27		15.5
Channel				630608		633040		
Frequency (MHz)				3480.02		3491.50		MPR (db)
80	QPSK	1	1	13.95		14.51		15.5
Channel				633332		633532		
Frequency (MHz)				3488.01		3491.86		MPR (db)
70	QPSK	1	1	13.83		14.11		15.5
Channel				632000		634896		
Frequency (MHz)				3483.34		3495.88		MPR (db)
60	QPSK	1	1	13.85		14.00		15.5
Channel				631608		635000		
Frequency (MHz)				3479.02		3459.58		MPR (db)
50	QPSK	1	1	13.84		13.90		15.5
Channel				631234		635352		
Frequency (MHz)				3470.01		3499.98		MPR (db)
40	QPSK	1	1	13.88		14.10		15.5
Channel				631000		635896		
Frequency (MHz)				3469.88		3499.98		MPR (db)
30	QPSK	1	1	13.86		13.92		14.00
Channel				630834		635632		
Frequency (MHz)				3467.51		3507.48		MPR (db)
25	QPSK	1	1	13.94		13.99		15.5
Channel				630608		635000		
Frequency (MHz)				3460.02		3549		MPR (db)
20	QPSK	1	1	13.94		14.00		13.99
Channel				630400		635196		
Frequency (MHz)				3457.5		3542.80		MPR (db)
15	QPSK	1	1	13.90		14.10		13.91
Channel				630334		635632		
Frequency (MHz)				3455.01		3544.88		MPR (db)
10	QPSK	1	1	14.01		13.99		15.5

Part27Q_n77_Ant 3_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)			633332	633332		
100	Pi2 BPSK	1	1	17.21	17.21		
100	Pi2 BPSK	1	137	17.21	17.21	18.5	0.0
100	Pi2 BPSK	1	271	17.34	17.34		
100	Pi2 BPSK	135	0	17.28	17.28	18.5	0.0
100	Pi2 BPSK	135	69	17.26	17.26	18.5	0.0
100	Pi2 BPSK	135	136	17.30	17.30	18.5	0.0
100	Pi2 BPSK	270	0	17.29	17.29	18.5	0.0
100	QPSK	1	1	16.47	16.47		
100	QPSK	1	137	17.36	17.36	18.5	0.0
100	QPSK	1	271	17.38	17.38		
100	QPSK	135	0	17.47	17.47	18.5	0.0
100	QPSK	135	69	17.27	17.27	18.5	0.0
100	QPSK	135	136	17.31	17.31	18.5	0.0
100	QPSK	270	0	17.25	17.25	18.5	0.0
100	16QAM	1	1	17.31	17.31	18.5	0.0
100	64QAM	1	1	17.31	17.31	18.5	0.0
100	256QAM	1	1	17.33	17.33	18.0	0.5
Channel							
	Frequency (MHz)			633300	633332	633666	Turn-up limit (dBm)
				3485	3489.88	3504.98	MPR (dB)
90	QPSK	1	1	16.97	17.01	17.18	18.5
Channel							
	Frequency (MHz)			633668	633632	634000	Turn-up limit (dBm)
				3490.02	3499.98	3510	MPR (dB)
80	QPSK	1	1	16.81	17.06	17.18	18.5
Channel							
	Frequency (MHz)			633704	633732	633760	Turn-up limit (dBm)
				3495.01	3499.98	3514.98	MPR (dB)
70	QPSK	1	1	16.93	17.06	17.20	18.5
Channel							
	Frequency (MHz)			633700	633732	634066	Turn-up limit (dBm)
				3498	3499.88	3519.98	MPR (dB)
60	QPSK	1	1	16.92	17.10	17.01	18.5
Channel							
	Frequency (MHz)			633668	633732	635000	Turn-up limit (dBm)
				3476.02	3499.98	3525	MPR (dB)
50	QPSK	1	1	16.90	17.03	17.09	18.5
Channel							
	Frequency (MHz)			631334	633732	635232	Turn-up limit (dBm)
				3470.01	3499.98	3529.98	MPR (dB)
40	QPSK	1	1	16.81	17.09	17.04	18.5
Channel							
	Frequency (MHz)			631100	633732	635666	Turn-up limit (dBm)
				3468	3499.88	3534.98	MPR (dB)
30	QPSK	1	1	16.94	16.89	16.96	18.5
Channel							
	Frequency (MHz)			634004	633832	635832	Turn-up limit (dBm)
				3462.51	3499.88	3537.48	MPR (dB)
25	QPSK	1	1	16.91	16.93	16.96	18.5
Channel							
	Frequency (MHz)			635068	633732	636000	Turn-up limit (dBm)
				3460.02	3499.98	3540	MPR (dB)
20	QPSK	1	1	16.96	17.07	16.85	18.5
Channel							
	Frequency (MHz)			635000	633732	636166	Turn-up limit (dBm)
				3467.5	3499.88	3542.49	MPR (dB)
15	QPSK	1	1	16.99	17.00	16.81	18.5

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)				633332		3469.98			
100	PQ2 BPSK	1	1	15.90					
100	PQ2 BPSK	1	137	16.02			17.0	0.0	
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					
100	QPSK	135	0	15.97			17.0	0.0	
100	QPSK	135	69	16.02					
100	QPSK	135	138	15.99					
100	QPSK	270	0	16.01			17.0	0.0	
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	Tune-up limit (dBm)	MPR	
				3465	3469.98	3504.98	(dBm)	(dB)	
80	QPSK	1	1	15.82	15.79	15.85	17.0	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
				3466.02	3469.98	3510	(dBm)	(dB)	
80	QPSK	1	1	15.92	15.84	15.76	17.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
				3465	3469.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	15.82	15.96	15.76	17.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
				3475.02	3469.98	3525	(dBm)	(dB)	
60	QPSK	1	1	15.74	15.99	15.70	17.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
				3465	3469.98	3524.98	(dBm)	(dB)	
50	QPSK	1	1	15.69	15.95	15.87	17.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
				3470.01	3469.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	15.67	15.87	15.94	17.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
				3465	3469.98	3524.98	(dBm)	(dB)	
30	QPSK	1	1	15.85	15.88	15.75	17.0	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR	
				3462.51	3469.98	3527.45	(dBm)	(dB)	
25	QPSK	1	1	15.09	15.68	15.94	17.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR	
				3460.02	3469.98	3540	(dBm)	(dB)	
20	QPSK	1	1	16.04	15.92	16.42	17.0	0.0	
Channel									
Frequency (MHz)				630200	633332	636166	Tune-up limit (dBm)	MPR	
				3457.5	3469.98	3542.49	(dBm)	(dB)	
15	QPSK	1	1	15.52	15.95	16.90	17.0	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR	
				3454.01	3469.98	3544.98	(dBm)	(dB)	
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)				633332		3469.98			
100	Pl2 BPSK	1	1	16.91					
100	Pl2 BPSK	1	137	16.97			20.0	0.0	
100	Pl2 BPSK	1	271	16.04					
100	Pl2 BPSK	135	0	16.96			20.0	0.0	
100	Pl2 BPSK	135	69	16.05			20.0	0.0	
100	Pl2 BPSK	135	138	16.98			20.0	0.0	
100	Pl2 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					
100	QPSK	135	0	16.92			20.0	0.0	
100	QPSK	135	69	16.91					
100	QPSK	135	138	16.96					
100	QPSK	270	0	16.98			20.0	0.0	
100	16QAM	1	1	16.08			20.0	0.0	
100	64QAM	1	1	16.96			20.0	0.0	
100	256QAM	1	1	16.11			18.0	2.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
				3460	3469.98	3504.98	(dBm)	(dB)	
90	QPSK	1	1	16.81	16.76	16.86	20.0	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR	
				3455.02	3469.98	3510	(dBm)	(dB)	
80	QPSK	1	1	16.94	16.81	16.83	20.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR	
				3465	3469.98	3514.98	(dBm)	(dB)	
70	QPSK	1	1	16.89	16.83	16.75	20.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)	MPR	
				3475.02	3469.98	3525	(dBm)	(dB)	
60	QPSK	1	1	16.86	16.90	16.81	20.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
				3465	3469.98	3524.98	(dBm)	(dB)	
50	QPSK	1	1	16.72	16.84	16.82	20.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm)	MPR	
				3470.01	3469.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	16.66	16.87	16.79	20.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)	MPR	
				3465	3469.98	3524.98	(dBm)	(dB)	
30	QPSK	1	1	16.69	16.76	16.67	20.0	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-up limit (dBm)	MPR	
				3462.51	3469.98	3527.45	(dBm)	(dB)	
25	QPSK	1	1	16.75	16.78	16.70	20.0	0.0	
Channel									
Frequency (MHz)				630668	633332	636000	Tune-up limit (dBm)	MPR	
				3460.02	3469.98	3540	(dBm)	(dB)	
20	QPSK	1	1	16.67	16.83	16.73	20.0	0.0	
Channel									
Frequency (MHz)				630200	633332	636166	Tune-up limit (dBm)	MPR	
				3457.5	3469.98	3542.49	(dBm)	(dB)	
15	QPSK	1	1	16.62	16.93	16.90	20.0	0.0	
Channel									
Frequency (MHz)				630334	633332	636332	Tune-up limit (dBm)	MPR	
				3454.01	3469.98	3544.98	(dBm)	(dB)	
10	QPSK	1	1	16.67	16.96	16.87	20.0	0.0	

Part270_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				650000	656000	662000			
Frequency (MHz)				3750	3810	3870			
100	Pl2 BPSK	1	1	16.04	16.02	15.92			
100	Pl2 BPSK	1	137	15.81	15.90	15.73	17.0	0.0	
100	Pl2 BPSK	1	271	16.02	16.00	15.78			
100	Pl2 BPSK	135	0	15.78	15.97	15.93	17.0	0.0	
100	Pl2 BPSK	135	69	15.93	15.97	15.79	17.0	0.0	
100	Pl2 BPSK	135	138	15.91	15.88	15.78			
100	Pl2 BPSK	270	0	16.86	15.97	15.80	17.0	0.0	
100	QPSK	1	1	14.18	15.05	15.05			
100	QPSK	1	137	15.81	16.05	15.85	17.0	0.0	
100	QPSK	1	271	15.81	16.02	15.88			
100	QPSK	135	0	15.94	15.90	15.87			
100	QPSK	135	69	15.96	15.98	15.94	17.0	0.0	
100	QPSK	135	138	16.00	15.91	15.77			
100	QPSK	270	0	15.89	15.88	15.88			
100	16QAM	1	1	15.84	16.04	15.80	17.0	0.0	
100	64QAM	1	1	15.94	15.90	15.91	17.0	0.0	
100	256QAM	1	1	15.74	15.73	15.72	17.0	0.0	
Channel				665000	650000	665000	17.0	0.0	
Frequency (MHz)				3840	3745.00	3840			
90	QPSK	1	1	16.63	15.88	15.83			
Channel				648334	656000	663666	17.0	0.0	
Frequency (MHz)				3745.00	3840	3930.99			
90	QPSK	1	1	15.44	15.77	15.70	17.0	0.0	
Channel				646000	656000	663000	17.0	0.0	
Frequency (MHz)				3730	3840	3945			
70	QPSK	1	1	16.82	15.77	15.84	17.0	0.0	
Channel				645000	647000	653332	17.0	0.0	
Frequency (MHz)				3760.02	3840	3949.98			
60	QPSK	1	1	17.03	15.73	15.82	17.0	0.0	
Channel				648334	656000	663666	17.0	0.0	
Frequency (MHz)				3745.00	3840	3945.99			
50	QPSK	1	1	15.83	15.74	15.65	17.0	0.0	
Channel				648000	656000	664000	17.0	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.08	15.78	15.70	17.0	0.0	
Channel				644344	647000	653332	17.0	0.0	
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1	15.70	15.77	15.50	17.0	0.0	
Channel				645700	650000	645000	17.0	0.0	
Frequency (MHz)				3912.2	3840	397.5			
25	QPSK	1	1	15.66	15.77	15.85	17.0	0.0	
Channel				647354	656000	664666	17.0	0.0	
Frequency (MHz)				3771.01	3840	3969.99			
20	QPSK	1	1	16.81	15.82	15.70	17.0	0.0	
Channel				646188	656000	664832	17.0	0.0	
Frequency (MHz)				3707.52	3840	3972.48			
15	QPSK	1	1	15.74	15.77	15.53	17.0	0.0	
Channel				645000	650000	650000	17.0	0.0	
Frequency (MHz)				3915	3840	3975			
10	QPSK	1	1	16.63	15.74	15.54	17.0	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)				650000	660000	66000		63332		
				3750	3840	3930		3499.98		
100	Pl2 BPSK	1	1	18.91	18.84	18.70				
100	Pl2 BPSK	1	137	18.76	18.79	18.76	20.0	0.0		
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				
100	QPSK	1	1	17.69	17.89	17.95				
100	QPSK	1	137	18.76	18.96	18.96	20.0	0.0		
100	QPSK	1	271	18.88	18.84	18.90				
100	QPSK	135	0	18.76	18.84	18.77				
100	QPSK	135	69	18.76	18.94	18.92	20.0	0.0		
100	QPSK	135	138	18.79	18.96	18.80				
100	QPSK	270	0	18.75	18.80	18.77	20.0	0.0		
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				648668	656000	662332	Tune-up limit (dBm)	MPR		
				3745.02	3840	3524.98	(dB)			
80	QPSK	1	1	18.54	18.70	18.65	20.0	0.0		
Channel				648334	656000	662666	Tune-up limit (dBm)			
				3745.01	3840	3509.99	(dB)			
80	QPSK	1	1	18.42	18.73	18.82	20.0	0.0		
Channel				648000	656000	663000	Tune-up limit (dBm)			
				3735	3840	3945	(dB)			
70	QPSK	1	1	18.44	18.76	18.61	20.0	0.0		
Channel				648668	656000	663332	Tune-up limit (dBm)			
				3725.01	3840	3524.98	(dB)			
60	QPSK	1	1	18.50	18.77	18.64	20.0	0.0		
Channel				648334	656000	663666	Tune-up limit (dBm)			
				3725.01	3840	3524.98	(dB)			
50	QPSK	1	1	18.45	18.59	18.58	20.0	0.0		
Channel				648000	656000	664000	Tune-up limit (dBm)			
				3720	3840	3960	(dB)			
40	QPSK	1	1	18.46	18.75	18.76	20.0	0.0		
Channel				647668	656000	664332	Tune-up limit (dBm)			
				3715.02	3840	3524.98	(dB)			
30	QPSK	1	1	18.63	18.64	18.69	20.0	0.0		
Channel				647500	656000	664500	Tune-up limit (dBm)			
				3712.5	3840	3597.5	(dB)			
25	QPSK	1	1	18.70	18.75	18.76	20.0	0.0		
Channel				647334	656000	664666	Tune-up limit (dBm)			
				3710.01	3840	3509.99	(dB)			
20	QPSK	1	1	18.63	18.62	18.71	20.0	0.0		
Channel				647166	656000	664832	Tune-up limit (dBm)			
				3707.52	3840	3592.48	(dB)			
15	QPSK	1	1	18.53	18.73	18.54	20.0	0.0		
Channel				647000	656000	665000	Tune-up limit (dBm)			
				3705	3840	3695	(dB)			
10	QPSK	1	1	18.65	18.87	18.54	20.0	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										
Frequency (MHz)				633000	633332	633666				
100	PQ2 BPSK	1	1		22.26					
100	PQ2 BPSK	1	137		22.26		24.0	0.0		
100	PQ2 BPSK	1	271		22.26					
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					
100	QPSK	1	1		21.41					
100	QPSK	1	137		22.41		24.0	0.0		
100	QPSK	1	271		22.32					
100	QPSK	135	0		22.27		24.0	0.0		
100	QPSK	135	69		22.38					
100	QPSK	135	138		22.35					
100	QPSK	270	0		22.31		24.0	0.0		
100	16QAM	1	1		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)				633000	633332	633666	Tune-up limit (dbm)	MPR (db)		
				3495	3499.98	3504.98				
90	QPSK	1	1	22.24	22.22	22.21	24.0	0.0		
Channel										
Frequency (MHz)				632868	633332	634000	Tune-up limit (dbm)	MPR (db)		
				3490.02	3499.98	3510				
80	QPSK	1	1	22.31	22.31	22.22	24.0	0.0		
Channel										
Frequency (MHz)				632534	633332	634332	Tune-up limit (dbm)	MPR (db)		
				3485.01	3499.98	3514.98				
70	QPSK	1	1	22.25	22.19	22.11	24.0	0.0		
Channel										
Frequency (MHz)				632000	633332	634666	Tune-up limit (dbm)	MPR (db)		
				3480	3499.98	3518.98				
60	QPSK	1	1	22.33	22.19	22.27	24.0	0.0		
Channel										
Frequency (MHz)				631668	633332	635000	Tune-up limit (dbm)	MPR (db)		
				3475.02	3499.98	3525				
50	QPSK	1	1	22.12	22.29	22.13	24.0	0.0		
Channel										
Frequency (MHz)				631334	633332	635332	Tune-up limit (dbm)	MPR (db)		
				3470.01	3499.98	3529.98				
40	QPSK	1	1	22.23	22.13	22.10	24.0	0.0		
Channel										
Frequency (MHz)				631000	633332	635666	Tune-up limit (dbm)	MPR (db)		
				3465	3499.98	3534.98				
30	QPSK	1	1	22.21	22.35	22.26	24.0	0.0		
Channel										
Frequency (MHz)				630834	633332	635832	Tune-up limit (dbm)	MPR (db)		
				3462.81	3499.98	3537.18				
25	QPSK	1	1	22.11	22.36	22.17	24.0	0.0		
Channel										
Frequency (MHz)				630668	633332	636000	Tune-up limit (dbm)	MPR (db)		
				3460.02	3499.98	3540				
20	QPSK	1	1	22.23	22.23	22.10	24.0	0.0		
Channel										
Frequency (MHz)				630500	633332	635936	Tune-up limit (dbm)	MPR (db)		
				3457.5	3499.98	3542.49				
15	QPSK	1	1	22.11	22.34	22.12	24.0	0.0		
Channel										
Frequency (MHz)				630332	633332	635832	Tune-up limit (dbm)	MPR (db)		
				3455.01	3499.98	3544.98				
10	QPSK	1	1	22.11	22.36	22.17	24.0	0.0		
Channel										

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	22.37	3750				
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	3742.02	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	651332	Tune-up limit (dbm)	MPR	
Frequency (MHz)									
70	QPSK	1	1	3735	3750	3765	(dbm)	(db)	
Channel									
70	QPSK	1	1	22.28	22.37	22.35	24.0	0.0	
Frequency (MHz)									
70	QPSK	1	1	648000	650000	651332	Tune-up limit (dbm)	MPR	
Frequency (MHz)									
70	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	22.14	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	3762.5	(dbm)	(db)	
Channel									
25	QPSK	1	1	22.30	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	3762.48	(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	3765	(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	PQ2 BPSK	1	1	24.43	3750				
100	PQ2 BPSK	1	137	25.43			27.0	0.0	
100	PQ2 BPSK	1	271	24.44					
100	PQ2 BPSK	135	0	24.73			26.5	0.5	
100	PQ2 BPSK	135	69	25.34			27.0	0.0	
100	PQ2 BPSK	135	138	24.58			26.5	0.5	
100	PQ2 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	3742.02	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	649000	650000	651000	Tune-up limit (dbm)	MPR	
Frequency (MHz)									
70	QPSK	1	1	3735	3750	3765	(dbm)	(db)	
Channel									
60	QPSK	1	1	25.33	25.35	25.28	27.0	0.0	
Frequency (MHz)									
60	QPSK	1	1	25.33	25.35	25.28	27.0	0.0	
Channel									
60	QPSK	1	1	648668	650000	651666	Tune-up limit (dbm)	MPR	
Frequency (MHz)									
60	QPSK	1	1	3735.01	3750	3749.99	(dbm)	(db)	
Channel									
50	QPSK	1	1	25.20	25.41	25.31	27.0	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	25.27	25.33	25.23	27.0	0.0	
Frequency (MHz)									
40	QPSK	1	1	647668	650000	652332	Tune-up limit (dbm)	MPR	
Frequency (MHz)									
40	QPSK	1	1	3715.02	3750	3744.98	(dbm)	(db)	
Channel									
30	QPSK	1	1	25.29	25.28	25.23	27.0	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	3747.5	(dbm)	(db)	
Channel									
25	QPSK	1	1	25.32	25.30	25.20	27.0	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	25.26	25.38	25.22	27.0	0.0	
Frequency (MHz)									
20	QPSK	1	1	647168	650000	652332	Tune-up limit (dbm)	MPR	
Frequency (MHz)									
20	QPSK	1	1	3707.52	3750	3762.48	(dbm)	(db)	
Channel									
15	QPSK	1	1	25.34	25.42	25.23	27.0	0.0	
Frequency (MHz)									
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dbm)	MPR	
Frequency (MHz)									
15	QPSK	1	1	3705	3750	3765	(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			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				633000	633332	633666	Tune-up limit (dBm)	MPR		
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		
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		
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		
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		
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		
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		
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		
Frequency (MHz)				3459.51	3499.98	3547.48	(dB)			
25	QPSK	1	1	20.59	20.99	21.05	22.5	0.0		
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR		
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		
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		
Frequency (MHz)				3454.01	3499.98	3544.98	(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			19.5	0.0		
100	64QAM	1	1	17.27			19.5	0.0		
100	256QAM	1	1	15.88			18.0	1.5		
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR		
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		
Frequency (MHz)				3743.01	3750	3759.98	(dB)			
80	QPSK	1	1	18.22	18.31	18.19	19.5	0.0		
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR		
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		
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		
Frequency (MHz)				3735.01	3750	3774.98	(dB)			
50	QPSK	1	1	18.19	18.20	18.16	19.5	0.0		
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR		
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		
Frequency (MHz)				3715.02	3750	3784.98	(dB)			
30	QPSK	1	1	18.31	18.38	18.08	19.5	0.0		
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR		
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		
Frequency (MHz)				3710.01	3750	3788.98	(dB)			
20	QPSK	1	1	18.14	18.17	18.14	19.5	0.0		
Channel				647166	650000	652832	Tune-up limit (dBm)	MPR		
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		
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 High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				3750						
100	PQ2 BPSK	1	1	21.26	21.26	21.50	22.5	0.0		
100	PQ2 BPSK	1	137	21.26	21.26	21.50	22.5	0.0		
100	PQ2 BPSK	1	271	21.26	20.53	20.53	22.5	0.5		
100	PQ2 BPSK	135	0	20.64	20.64	22.5	22.0	0.5		
100	PQ2 BPSK	135	69	21.26	21.26	22.5	22.5	0.0		
100	PQ2 BPSK	135	138	20.62	20.62	22.5	22.0	0.5		
100	PQ2 BPSK	270	0	20.48	20.48					
100	QPSK	1	1	20.51	20.51					
100	QPSK	1	137	21.47	21.47		22.5	0.0		
100	QPSK	1	271	20.37	20.37					
100	QPSK	135	0	19.89	19.89					
100	QPSK	135	69	21.17	21.17		22.5	0.0		
100	QPSK	135	138	19.93	19.93					
100	QPSK	270	0	20.06	20.06		21.5	1.0		
100	16QAM		1	18.89	18.89		21.5	1.0		
100	64QAM		1	17.27	17.27		20.0	2.5		
100	256QAM		1	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	650686	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3760.01	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	3774.99				
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				647604	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	3787.75				
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		

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										
Frequency (MHz)										
100	Pl2 BPSK	1	1	25.83	3750		27.0	0.0		
100	Pl2 BPSK	1	137	26.34						
100	Pl2 BPSK	1	271	25.96						
100	Pl2 BPSK	135	0	25.94			26.5	0.5		
100	Pl2 BPSK	135	69	26.39			27.0	0.0		
100	Pl2 BPSK	135	138	25.89			26.5	0.5		
100	Pl2 BPSK	270	0	25.79			27.0	0.0		
100	QPSK	1	1	25.80						
100	QPSK	1	137	26.44						
100	QPSK	1	271	25.79			27.0	0.0		
100	QPSK	135	0	25.23						
100	QPSK	135	69	26.16						
100	QPSK	135	138	25.29			26.0	1.0		
100	QPSK	270	0	25.08						
100	16QAM	1	1	24.22			26.0	1.0		
100	64QAM	1	1	22.81			24.5	2.5		
100	256QAM	1	1	21.12			22.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	648668	650000	650332	Tune-up limit (dBm)	MPR		
				3745.02	3750	3744.98	(dB)			
Channel										
Frequency (MHz)										
90	QPSK	1	1	648334	650000	650666	Tune-up limit (dBm)	MPR		
				3740.01	3750	3759.99	(dB)			
Channel										
Frequency (MHz)										
80	QPSK	1	1	648668	650000	651332	Tune-up limit (dBm)	MPR		
				3740.00	3750	3760.00	(dB)			
Channel										
Frequency (MHz)										
70	QPSK	1	1	648668	650000	651000	Tune-up limit (dBm)	MPR		
				26.22	26.26	26.25	27.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	648668	650000	651500	Tune-up limit (dBm)	MPR		
				26.22	26.26	26.25	27.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	648668	650000	652000	Tune-up limit (dBm)	MPR		
				3722.01	3750	3774.99	(dB)			
Channel										
Frequency (MHz)										
40	QPSK	1	1	648668	650000	652500	Tune-up limit (dBm)	MPR		
				26.15	26.21	26.18	27.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	648668	650000	653000	Tune-up limit (dBm)	MPR		
				3715.02	3750	3764.98	(dB)			
Channel										
Frequency (MHz)										
25	QPSK	1	1	648668	650000	653500	Tune-up limit (dBm)	MPR		
				3710.01	3750	3769.99	(dB)			
Channel										
Frequency (MHz)										
20	QPSK	1	1	648668	650000	654000	Tune-up limit (dBm)	MPR		
				3705.01	3750	3774.99	(dB)			
Channel										
Frequency (MHz)										
15	QPSK	1	1	648668	650000	654500	Tune-up limit (dBm)	MPR		
				3700.01	3750	3774.99	(dB)			
Channel										
Frequency (MHz)										
10	QPSK	1	1	648668	650000	655000	Tune-up limit (dBm)	MPR		
				3695.01	3750	3774.99	(dB)			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pl2 BPSK	1	1	18.40	633332	3459.98	19.5	0.0		
100	Pl2 BPSK	1	137	18.46						
100	Pl2 BPSK	1	271	18.34						
100	Pl2 BPSK	135	0	18.46			19.5	0.0		
100	Pl2 BPSK	135	69	18.34			19.5	0.0		
100	Pl2 BPSK	135	138	18.42			19.5	0.0		
100	Pl2 BPSK	270	0	18.46			19.5	0.0		
100	QPSK	1	1	17.97						
100	QPSK	1	137	18.50						
100	QPSK	1	271	18.48			19.5	0.0		
100	QPSK	135	0	18.41						
100	QPSK	135	69	18.43						
100	QPSK	135	138	18.38			19.5	0.0		
100	QPSK	270	0	18.42						
100	16QAM	1	1	18.49			19.5	0.0		
100	64QAM	1	1	18.05			18.5	0.0		
100	256QAM	1	1	18.01			18.0	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.26	633000	6344.98	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.26	632668	634000	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.23	631334	634112	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.30	631668	634666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.21	631000	635000	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.19	631334	635332	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.24	631000	635666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
25	QPSK	1	1	18.22	630668	636000	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.22	630334	636332	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.08	630000	636666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.04	630000	636666	Tune-up limit (dBm)	MPR		

Part27Q_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								
Frequency (MHz)				635332		3469 98		
100	Pi2 BPSK	1	1	21 25				
100	Pi2 BPSK	1	137	21 25			22.5	0.0
100	Pi2 BPSK	1	271	20 32				
100	Pi2 BPSK	135	0	20 88			22.0	0.5
100	Pi2 BPSK	135	69	21 35			22.5	0.5
100	Pi2 BPSK	135	138	19 53			22.0	0.5
100	Pi2 BPSK	270	0	20 72			22.0	0.5
100	QPSK	1	1	20 84				
100	QPSK	1	137	21 45			22.5	0.0
100	QPSK	1	271	21 35				
100	QPSK	135	0	20 33				
100	QPSK	135	69	21 37			22.5	0.0
100	QPSK	135	138	20 01			21.5	1.0
100	QPSK	270	0	20 14			21.5	1.0
100	16QAM	1	1	19 53			21.5	1.0
100	64QAM	1	1	18 05			20.0	2.5
100	256QAM	1	1	16 51			18.0	4.5
Channel								
Frequency (MHz)				633000		633332	633666	Tune-up limit (dBm)
90	QPSK	1	1	21 32	21 35	21 27	22.5	0.0
Channel								
Frequency (MHz)				642668		633332	634000	Tune-up limit (dBm)
90	QPSK	1	1	3460 02	3469 98	3510	22.5	0.0
Channel								
Frequency (MHz)				631334		633332	634332	Tune-up limit (dBm)
80	QPSK	1	1	21 29	21 35	21 25	22.5	0.0
Channel								
Frequency (MHz)				3485 01		3469 98	3514 98	Tune-up limit (dBm)
70	QPSK	1	1	21 29	21 39	21 26	22.5	0.0
Channel								
Frequency (MHz)				632000		633332	634000	Tune-up limit (dBm)
70	QPSK	1	1	3440	3469 98	3519 99	22.5	0.0
Channel								
Frequency (MHz)				631168		633332	635000	Tune-up limit (dBm)
70	QPSK	1	1	3472 02	3469 98	3525	22.5	0.0
Channel								
Frequency (MHz)				631168		633332	635000	Tune-up limit (dBm)
70	QPSK	1	1	21 29	21 33	21 25	22.5	0.0
Channel								
Frequency (MHz)				631334		633332	635332	Tune-up limit (dBm)
40	QPSK	1	1	3476 01	3469 98	3529 98	22.5	0.0
Channel								
Frequency (MHz)				631000		633332	635000	Tune-up limit (dBm)
40	QPSK	1	1	21 25	21 37	21 33	22.5	0.0
Channel								
Frequency (MHz)				631000		633332	635000	Tune-up limit (dBm)
35	QPSK	1	1	3465	3469 98	3534 99	22.5	0.0
Channel								
Frequency (MHz)				630834		633332	635832	Tune-up limit (dBm)
35	QPSK	1	1	3462 81	3469 98	3537 48	22.5	0.0
Channel								
Frequency (MHz)				631211		633332	636211	Tune-up limit (dBm)
25	QPSK	1	1	21 21	21 20	21 31	22.5	0.0
Channel								
Frequency (MHz)				630668		633332	636600	Tune-up limit (dBm)
25	QPSK	1	1	3460 02	3469 98	3540	22.5	0.0
Channel								
Frequency (MHz)				631211		633332	637111	Tune-up limit (dBm)
15	QPSK	1	1	21 18	21 42	21 32	22.5	0.0
Channel								
Frequency (MHz)				630334		633332	636332	Tune-up limit (dBm)
10	QPSK	1	1	3458 81	3469 98	3544 98	22.5	0.0
Channel								
Frequency (MHz)				631211		633332	637111	Tune-up limit (dBm)
10	QPSK	1	1	21 19	21 40	21 36	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
3GPP Ref 98	28.57	28.64	28.59	30.50	25.57	25.64	25.59

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
3GPP Ref 98	28.57	28.64	28.59	30.50	25.57	25.64	25.59

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
3GPP Ref 98	27.76	27.77	27.72	29.50	24.75	24.77	24.72

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
3GPP Ref 98	28.57	28.64	28.59	30.50	25.57	25.64	25.59

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
3GPP Ref 98	27.76	27.77	27.72	29.50	24.75	24.77	24.72

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
3GPP Ref 98	28.57	28.64	28.59	30.50	25.57	25.64	25.59

GSM1900_Ant 1_Default				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	512	661	810
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8
3GPP Ref 98	25.55	25.66	25.59	27.50	22.55	22.66	22.59

GSM1900_Ant 1_Rec on				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	512	661	810
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8
3GPP Ref 98	25.55	25.66	25.59	27.50	22.55	22.66	22.59

GSM1900_Ant 1_Hotspot on				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	512	661	810
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8
3GPP Ref 98	22.23	22.25	22.22	24.00	19.23	19.25	19.22

GSM1900_Ant 1_Handheld				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	512	661	810
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8
3GPP Ref 98	24.60	24.61	24.59	26.50	21.60	21.61	21.59

GSM1900_Ant 1_Sensor on				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	512	661	810
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8
3GPP Ref 98	23.64	23.71	23.68	25.50	20.64	20.71	20.68

GSM1900_Ant 1_Sensor OFF				Frame-Average Power (dBm)			
Tx Channel	512	661	810	Limit	512	661	810
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8
3GPP Ref 98	25.55	25.66	25.59	27.50	22.55	22.66	22.59

Band				WCDMA V_Ant 0_Default			
Tx Channel	9262	9400	9538	Limit	9262	9400	9538
Frequency (MHz)	1825.4	1860	1907.6	(dBm)	1825.4	1860	1907.6
3GPP Ref 98	22.57	22.61	22.77	24.00	22.59	22.64	22.53

Band				WCDMA V_Ant 0_Rec on			
Tx Channel	9262	9400	9538	Limit	9262	9400	9538
Frequency (MHz)	1825.4	1860	1907.6	(dBm)	1825.4	1860	1907.6
3GPP Ref 98	22.57	22.61	22.77	24.00	22.59	22.64	22.53

Band				WCDMA V_Ant 0_Hotspot on			
Tx Channel	9262	9400	9538	Limit	9262	9400	9538
Frequency (MHz)	1825.4	1860	1907.6	(dBm)	1825.4	1860	1907.6
3GPP Ref 98	18.27	18.26	18.26	19.50	22.59	22.64	22.53

Band				WCDMA V_Ant 0_Handheld			
Tx Channel	9262	9400	9538	Limit	9262	9400	9538
Frequency (MHz)	1825.4	1860	1907.6	(dBm)	1825.4	1860	1907.6
3GPP Ref 98	20.87	20.95	20.90	22.00	22.59	22.64	22.53

Band				WCDMA V_Ant 0_Sensor on			
Tx Channel	9262	9400	9538	Limit	9262	9400	9538
Frequency (MHz)	1825.4	1860	1907.6	(dBm)	1825.4	1860	1907.6
3GPP Ref 98	19.23	19.26	19.24	20.50	22.59	22.64	22.53

Band				WCDMA V_Ant 0_Sensor OFF			
Tx Channel	9262	9400	9538	Limit	9262	9400	9538
Frequency (MHz)	1825.4	1860	1907.6	(dBm)	1825.4	1860	1907.6
3GPP Ref 98	22.57	22.61	22.77	24.00	22.59	22.64	22.53

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)
	Channel			509202	518598	528000	
	Frequency (MHz)			2546.01	2592.99	2640	
100	QPSK	1	137	22.70	22.72	22.69	24.0
100	QPSK	135	69	22.59	22.64	22.60	24.0

n41_Ant 1_Rec on							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
	Channel			509202	518598	528000	
	Frequency (MHz)			2546.01	2592.99	2640	
100	QPSK	1	137	22.70	22.72	22.69	24.0
100	QPSK	135	69	22.59	22.64	22.60	24.0

n41_Ant 1_Hotspot on							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)
	Channel			509202	518598	528000	
	Frequency (MHz)			2546.01	2592.99	2640	
100	QPSK	1	137	20.77	20.86	20.69	22.0
100	QPSK	135	69	20.64	20.74	20.65	22.0

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	limit
	Frequency (MHz)			824	831.5	839	(dBm)
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	limit
	Frequency (MHz)			824	831.5	839	(dBm)
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	limit
	Frequency (MHz)			824	831.5	839	(dBm)
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	limit
	Frequency (MHz)			824	831.5	839	(dBm)
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	limit
	Frequency (MHz)			824	831.5	839	(dBm)
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	limit
	Frequency (MHz)			824	831.5	839	(dBm)
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	limit
	Frequency (MHz)			2525	2535	2545	(dBm)
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	limit
	Frequency (MHz)			2525	2535	2545	(dBm)
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	limit
	Frequency (MHz)			2525	2535	2545	(dBm)
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	limit
	Frequency (MHz)			2525	2535	2545	(dBm)
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	limit
	Frequency (MHz)			2525	2535	2545	(dBm)
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	limit
	Frequency (MHz)			2525	2535	2545	(dBm)
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