



Band 38_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Turn-up limit (dBm)	MPE (dB)		
Channel										
Frequency [MHz]										
20	QPSK	1	0	22.76	22.88	22.97			24	0
20	QPSK	1	49	22.82	22.82	22.96				
20	QPSK	1	99	22.80	22.86	22.93				
20	QPSK	50	24	21.71	21.78	21.79				
20	QPSK	50	24	21.82	21.74	21.68				
20	QPSK	100	5	21.88	21.74	21.77			23	1
20	QPSK	100	5	21.82	21.85	21.82				
20	16QAM	1	0	21.70	21.82	21.79				
20	16QAM	1	49	21.75	22.02	21.75				
20	16QAM	1	99	21.71	21.82	21.78				
20	16QAM	50	5	20.85	20.86	20.69			22	2
20	16QAM	50	24	20.81	20.76	20.77				
20	16QAM	50	50	20.85	20.83	20.77				
20	16QAM	100	5	20.87	20.80	20.75				
20	16QAM	100	5	20.85	20.72	20.69				
20	64QAM	1	49	20.81	20.69	20.59			22	2
20	64QAM	1	99	20.86	20.73	20.61				
20	64QAM	50	5	19.80	19.73	19.71				
20	64QAM	50	24	19.80	19.77	19.77				
20	64QAM	100	5	19.58	19.80	19.62				
20	256QAM	1	5	17.81	17.57	17.50			19	5
20	256QAM	1	49	17.86	17.53	17.55				
20	256QAM	1	99	17.88	17.68	17.47				
20	256QAM	50	24	17.78	17.76	17.70				
20	256QAM	50	50	17.72	17.84	17.60				
20	256QAM	100	5	17.81	17.88	17.82				
Channel										
Frequency [MHz]										
15	QPSK	1	0	22.73	22.77	22.83			24	0
15	QPSK	1	49	22.56	22.35	22.54				
15	QPSK	1	74	22.83	22.43	22.49				
15	QPSK	36	36	20.81	20.55	20.77				
15	QPSK	36	36	21.52	21.48	21.68				
15	QPSK	36	36	21.69	21.69	21.66			23	1
15	QPSK	75	24	21.68	21.82	21.63				
15	16QAM	1	0	21.86	21.97	21.87				
15	16QAM	1	37	21.88	21.82	21.75				
15	16QAM	1	74	21.91	21.73	21.75				
15	16QAM	36	5	20.77	20.54	20.64			22	2
15	16QAM	36	36	20.75	19.86	19.74				
15	16QAM	36	36	20.91	20.59	20.69				
15	16QAM	75	0	20.82	20.58	20.60				
15	64QAM	1	37	20.84	20.63	20.36				
15	64QAM	1	37	20.81	20.82	20.52			22	2
15	64QAM	1	74	20.78	20.55	20.63				
15	64QAM	36	5	19.85	19.50	19.64				
15	64QAM	36	20	19.82	19.62	19.69				
15	64QAM	36	36	19.70	19.83	19.74				
15	256QAM	1	5	17.43	17.57	17.52			19	5
15	256QAM	1	37	17.48	17.47	17.40				
15	256QAM	1	74	17.54	17.40	17.30				
15	256QAM	36	5	17.71	17.74	17.54				
15	256QAM	36	36	17.83	17.69	17.52				
15	256QAM	75	0	17.36	17.69	17.47				
Channel										
Frequency [MHz]										
10	QPSK	1	0	22.67	22.67	22.67			24	0
10	QPSK	1	49	22.54	22.38	22.45				
10	QPSK	1	74	22.84	22.44	22.53				
10	QPSK	25	8	21.72	21.75	21.67				
10	QPSK	25	12	21.56	21.48	21.69				
10	QPSK	25	25	21.76	21.64	21.72			23	1
10	QPSK	25	25	21.76	21.55	21.68				
10	16QAM	1	0	21.76	21.55	21.68				
10	16QAM	1	25	21.89	21.59	21.88				
10	16QAM	1	49	21.81	21.60	21.75				
10	16QAM	25	5	20.87	20.57	20.70			22	2
10	16QAM	25	12	20.74	20.58	20.66				
10	16QAM	25	25	20.88	20.83	20.69				
10	16QAM	50	5	20.81	20.58	20.68				
10	64QAM	1	5	20.89	20.54	20.34				
10	64QAM	1	25	20.87	20.36	20.52			22	2
10	64QAM	1	49	20.75	20.50	20.61				
10	64QAM	25	5	19.78	19.44	19.74				
10	64QAM	25	12	19.73	19.53	19.64				
10	64QAM	25	25	19.71	19.54	19.63				
10	64QAM	50	5	19.82	19.57	19.60			21	3
10	256QAM	1	5	17.41	17.54	17.44				
10	256QAM	1	25	17.41	17.48	17.52				
10	256QAM	1	49	17.53	17.41	17.38				
10	256QAM	25	5	17.88	17.82	17.59				
10	256QAM	25	12	17.74	17.81	17.86			19	5
10	256QAM	25	25	17.56	17.79	17.62				
10	256QAM	50	5	17.46	17.65	17.59				
Channel										
Frequency [MHz]										
5	QPSK	1	0	22.64	22.71	22.54			24	0
5	QPSK	1	12	22.81	22.32	22.46				
5	QPSK	1	24	22.48	22.51	22.48				
5	QPSK	12	0	21.63	21.73	21.68				
5	QPSK	12	12	21.59	21.49	21.68				
5	QPSK	12	13	21.70	21.62	21.62			23	1
5	QPSK	25	0	21.81	21.75	21.65				
5	16QAM	1	0	21.88	21.54	21.58				
5	16QAM	1	12	21.93	21.52	21.69				
5	16QAM	1	24	21.91	21.72	21.73				
5	16QAM	12	5	20.74	20.59	20.62			22	2
5	16QAM	12	7	20.89	20.85	20.66				
5	16QAM	12	13	20.83	20.56	20.70				
5	16QAM	25	5	20.73	20.80	20.59				
5	64QAM	1	5	20.83	20.50	20.47				
5	64QAM	1	12	20.81	20.40	20.54			22	2
5	64QAM	1	24	20.70	20.85	20.57				
5	64QAM	12	0	19.70	19.43	19.65				
5	64QAM	12	7	19.63	19.66	19.60				
5	64QAM	12	13	19.82	19.85	19.62				
5	64QAM	25	5	19.73	19.54	19.68			21	3
5	256QAM	1	5	17.42	17.54	17.50				
5	256QAM	1	12	17.44	17.46	17.54				
5	256QAM	1	24	17.54	17.52	17.50				
5	256QAM	12	5	17.59	17.82	17.54				
5	256QAM	12	7	17.75	17.71	17.70			19	5
5	256QAM	12	13	17.64	17.73	17.63				
5	256QAM	25	5	17.38	17.69	17.59				
Channel										
Frequency [MHz]										
5	QPSK	1	0	22.64	22.64	22.54			24	0
5	QPSK	1	12	22.81	22.31	22.46				
5	QPSK	1	24	22.48	22.51	22.48				
5	QPSK	12	7	21.59	21.49	21.68				
5	QPSK	12	13	21.70	21.62	21.62				
5	QPSK	25	0	21.81	21.75	21.65			23	1
5	16QAM	1	0	21.88	21.54	21.58				
5	16QAM	1	12	21.93	21.52	21.69				
5	16QAM	1	24	21.91	21.72	21.73				
5	16QAM	12	5	20.74	20.59	20.62				
5	16QAM	12	7	20.89	20.85	20.66			22	2
5	16QAM	12	13	20.83	20.56	20.70				
5	16QAM	25	5	20.73	20.80	20.59				
5	64QAM	1	5	20.83	20.50	20.47				
5	64QAM	1	12	20.81	20.40	20.54				
5	64QAM	1	24	20.70	20.85	20.57			22	2
5	64QAM	12	0	19.70	19.43	19.65				
5	64QAM	12	7	19.63	19.66	19.60				
5	64QAM	12	13	19.82	19.85	19.62				
5	64QAM	25	5	19.73	19.54	19.68				
5	256QAM	1	5	17.42	17.54	17.50			21	3
5	256QAM	1	12	17.44	17.46	17.54				
5	256QAM	1	24	17.54	17.52	17.50				
5	256QAM	12	5	17.59	17.82	17.54				
5	256QAM	12	7	17.75	17.71	17.70				
5	256QAM	12	13	17.64	17.73	17.63			19	5
5	256QAM	25	5	17.38	17.69	17.59				



Band 38_Ant 3										
RW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power Max Ch / Freq	Time-up Int (dBm)	MPE (dB)		
Channel										
Frequency (MHz)				37650	38000	38160				
20	QPSK	1	0	19.01	19.01	19.06	20.2	0		
20	QPSK	1	49	19.03	19.78	19.74				
20	QPSK	1	99	19.07	19.81	19.76				
20	QPSK	50	0	19.08	19.03	19.03				
20	QPSK	50	24	19.01	19.02	19.88				
20	QPSK	100	0	19.02	19.07	19.89	20.2	0		
20	16QAM	1	0	19.06	19.06	19.73				
20	16QAM	1	49	19.07	19.07	19.03				
20	16QAM	1	99	19.08	19.09	19.72				
20	16QAM	50	0	19.03	19.81	19.83				
20	16QAM	50	24	19.02	19.85	19.89	20.2	0		
20	16QAM	50	50	19.09	19.01	19.72				
20	16QAM	100	0	19.02	19.78	19.84				
20	16QAM	100	50	19.02	19.87	19.89				
20	16QAM	1	49	19.06	19.06	19.75				
20	256QAM	1	0	19.78	19.79	19.86	20.2	0		
20	256QAM	1	49	19.82	19.82	19.83				
20	256QAM	1	99	19.88	19.89	19.89				
20	256QAM	50	0	19.84	19.82	19.81				
20	256QAM	50	24	19.87	19.85	19.86				
20	256QAM	50	50	19.89	19.81	19.77	20.2	0		
20	256QAM	100	0	19.79	19.82	19.83				
20	256QAM	100	50	19.79	19.82	19.83				
Channel										
Frequency (MHz)				37625	38000	38175	Time-up Int (dBm)		MPE (dB)	
15	QPSK	1	0	19.03	19.03	19.03	20.2	0		
15	QPSK	1	37	19.04	19.70	19.69				
15	QPSK	1	74	19.04	19.69	19.68				
15	QPSK	36	0	19.08	19.03	19.03				
15	QPSK	36	20	19.09	19.07	19.77				
15	QPSK	36	39	19.08	19.83	19.80	20.2	0		
15	QPSK	36	59	19.08	19.84	19.83				
15	16QAM	1	0	19.03	19.89	19.84				
15	16QAM	1	37	19.07	19.93	19.94				
15	16QAM	1	74	19.70	19.92	19.99				
15	16QAM	36	0	19.07	19.83	19.86	20.2	0		
15	16QAM	36	20	19.08	19.84	19.83				
15	16QAM	36	39	19.08	19.82	19.82				
15	16QAM	75	0	19.08	19.88	19.67				
15	16QAM	1	49	19.70	19.91	19.99				
15	16QAM	1	37	19.79	19.88	19.89	20.2	0		
15	16QAM	1	74	19.77	19.86	19.85				
15	16QAM	36	0	19.08	19.73	19.82				
15	16QAM	36	20	19.08	19.70	19.86				
15	16QAM	75	0	19.08	19.85	19.80				
15	256QAM	1	0	19.75	19.82	19.74	20.2	0		
15	256QAM	1	37	19.85	19.86	19.86				
15	256QAM	1	74	19.88	19.83	19.72				
15	256QAM	36	0	19.77	19.81	19.84				
15	256QAM	36	20	19.84	19.84	19.86				
15	256QAM	36	39	19.83	19.74	19.71	20.2	0		
15	256QAM	75	0	19.72	19.83	19.79				
Channel										
Frequency (MHz)				37650	38000	38200	Time-up Int (dBm)		MPE (dB)	
10	QPSK	1	0	19.00	19.01	19.07	20.2	0		
10	QPSK	1	12	19.00	19.80	19.79				
10	QPSK	1	49	19.05	19.76	19.85				
10	QPSK	25	0	19.04	19.93	19.90				
10	QPSK	25	12	19.06	19.87	19.78				
10	QPSK	25	25	19.06	19.86	19.75	20.2	0		
10	QPSK	25	38	19.07	19.87	19.76				
10	QPSK	25	50	19.09	19.88	19.84				
10	QPSK	25	63	19.09	19.88	19.84				
10	16QAM	1	0	19.00	19.80	19.84				
10	16QAM	1	25	19.00	19.84	19.90	20.2	0		
10	16QAM	1	49	19.70	19.91	19.98				
10	16QAM	25	0	19.00	19.86	19.84				
10	16QAM	25	12	19.05	19.76	19.76				
10	16QAM	25	25	19.05	19.96	19.87				
10	16QAM	50	0	19.03	19.72	19.72	20.2	0		
10	16QAM	50	0	19.03	19.92	19.89				
10	16QAM	50	25	19.05	19.96	19.87				
10	16QAM	1	0	19.03	19.85	19.80				
10	16QAM	1	24	19.84	19.87	19.70				
10	16QAM	1	0	19.03	19.82	19.77	20.2	0		
10	16QAM	1	12	19.82	19.87	19.83				
10	16QAM	1	24	19.84	19.81	19.69				
10	16QAM	12	0	19.82	19.82	19.82				
10	16QAM	12	7	19.82	19.81	19.87				
10	16QAM	12	13	19.89	19.89	19.82	20.2	0		
10	16QAM	25	0	19.94	19.80	19.77				
10	256QAM	1	0	19.74	19.82	19.82				
10	256QAM	1	12	19.80	19.84	19.82				
10	256QAM	25	0	19.75	19.80	19.72				
10	256QAM	12	7	19.81	19.76	19.83	20.2	0		
10	256QAM	12	13	19.86	19.74	19.79				
10	256QAM	25	0	19.87	19.86	19.74				
10	256QAM	25	0	19.87	19.86	19.74				
10	256QAM	25	0	19.87	19.86	19.74				

Band 41_Ant 0												
RW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Low Ch / Freq	Power Max Ch / Freq	Time-up Int (dBm)	MPE (dB)				



Band 41_Ant 2															
RW [MHz]	Modulation	RB Size	RB Offset	Power Low Hst Ch / Freq	Power Mid Hst Ch / Freq	Power High Hst Ch / Freq	Power Low Hst Ch / Freq	Power Mid Hst Ch / Freq	Power High Hst Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel															
Frequency (MHz)															
20	QPSK	1	0	20.49	20.61	20.74	20.52	20.52	20.52	21.7	0				
20	QPSK	1	49	20.47	20.56	20.63	20.48	20.56	20.56						
20	QPSK	1	99	20.4	20.48	20.61	20.42	20.49	20.49						
20	QPSK	50	0	20.63	20.66	20.72	20.59	20.65	20.65						
20	QPSK	50	24	20.57	20.66	20.68	20.54	20.57	20.57	21.7	0				
20	QPSK	50	49	20.4	20.42	20.52	20.4	20.47	20.47						
20	QPSK	100	0	20.44	20.61	20.65	20.63	20.63	20.63						
20	HQAM	1	0	20.53	20.41	20.54	20.42	20.51	20.51	21.7	0				
20	HQAM	1	49	20.63	20.51	20.54	20.48	20.47	20.47						
20	HQAM	1	99	20.43	20.73	20.39	20.4	20.4	20.4						
20	HQAM	50	0	20.47	20.62	20.43	20.42	20.54	20.54						
20	HQAM	50	24	20.46	20.44	20.5	20.58	20.59	20.59	21.7	0				
20	HQAM	50	50	20.6	20.63	20.54	20.64	20.58	20.58						
20	HQAM	100	0	20.49	20.62	20.51	20.41	20.43	20.43						
20	HQAM	100	24	20.31	20.47	20.31	20.18	20.38	20.38						
20	HQAM	1	49	20.29	20.47	20.26	20.31	20.29	20.29	21.7	0				
20	HQAM	1	99	20.28	20.56	20.47	20.32	20.3	20.3						
20	HQAM	50	0	20.33	20.63	20.48	20.49	20.59	20.59						
20	HQAM	50	24	20.4	20.67	20.43	20.46	20.45	20.45	21.7	0				
20	HQAM	50	50	20.46	20.59	20.53	20.57	20.48	20.48						
20	HQAM	100	0	20.42	20.55	20.49	20.36	20.3	20.3						
20	25QAM	1	0	19.66	19.57	19.52	19.46	19.33	19.33	20.7	1				
20	25QAM	1	49	19.64	19.63	19.33	19.33	19.36	19.36						
20	25QAM	1	99	18.84	19.67	19.41	19.35	19.48	19.48						
20	25QAM	50	0	19.62	19.55	19.37	19.32	19.31	19.31						
20	25QAM	50	24	19.60	19.61	19.38	19.44	19.47	19.47	20.7	1				
20	25QAM	50	50	19.71	19.49	19.47	19.39	19.34	19.34						
20	25QAM	100	0	19.34	19.61	19.57	19.42	19.42	19.42						
Channel															
Frequency (MHz)															
16	QPSK	1	0	20.64	20.62	20.69	20.41	20.53	20.53	21.7	0				
16	QPSK	1	37	20.4	20.5	20.63	20.41	20.44	20.44						
16	QPSK	1	74	20.26	20.4	20.52	20.32	20.36	20.36						
16	QPSK	36	0	20.61	20.67	20.48	20.48	20.48	20.48	21.7	0				
16	QPSK	36	20	20.48	20.6	20.63	20.52	20.5	20.5						
16	QPSK	36	36	20.33	20.34	20.58	20.55	20.52	20.52						
16	QPSK	75	0	20.33	20.5	20.63	20.4	20.43	20.43						
16	HQAM	1	0	20.46	20.3	20.44	20.4	20.46	20.46	21.7	0				
16	HQAM	1	37	20.33	20.46	20.29	20.39	20.42	20.42						
16	HQAM	1	74	20.34	20.66	20.33	20.34	20.31	20.31						
16	HQAM	36	0	20.36	20.61	20.39	20.4	20.5	20.5	21.7	0				
16	HQAM	36	20	20.37	20.46	20.46	20.4	20.47	20.47						
16	HQAM	36	36	20.58	20.51	20.42	20.52	20.53	20.53						
16	HQAM	75	0	20.44	20.56	20.47	20.29	20.37	20.37						
16	HQAM	1	37	20.33	20.52	20.32	20.16	20.32	20.32	21.7	0				
16	HQAM	1	74	20.23	20.47	20.21	20.23	20.25	20.25						
16	HQAM	36	0	20.33	20.6	20.36	20.41	20.55	20.55	21.7	0				
16	HQAM	36	20	20.32	20.56	20.37	20.44	20.36	20.36						
16	HQAM	75	0	20.44	20.36	20.43	20.55	20.44	20.44						
16	HQAM	36	0	20.34	20.69	20.46	20.27	20.58	20.58	20.7	1				
16	25QAM	1	0	19.57	19.52	19.47	19.36	19.26	19.26						
16	25QAM	1	37	19.77	19.55	19.32	19.30	19.42	19.42						
16	25QAM	36	0	19.70	19.47	19.32	19.23	19.20	19.20						
16	25QAM	36	20	19.73	19.52	19.35	19.26	19.27	19.27	20.7	1				
16	25QAM	36	36	19.61	19.42	19.35	19.31	19.31	19.31						
16	25QAM	75	0	19.72	19.52	19.55	19.27	19.33	19.33						
Channel															
Frequency (MHz)															
10	QPSK	1	0	25.01	25.47	25.93	26.39	26.85	26.85	21.7	0				
10	QPSK	1	20	20.43	20.64	20.71	20.48	20.48	20.5						
10	QPSK	1	40	20.41	20.62	20.67	20.36	20.36	20.5						
10	QPSK	1	49	20.3	20.44	20.49	20.34	20.39	20.39						
10	QPSK	25	0	20.56	20.61	20.61	20.53	20.53	20.53	21.7	0				
10	QPSK	25	10	20.45	20.58	20.61	20.49	20.49	20.54						
10	QPSK	25	25	20.29	20.4	20.6	20.55	20.47	20.47						
10	QPSK	80	0	20.48	20.45	20.59	20.56	20.48	20.48						
10	HQAM	1	0	20.41	20.39	20.46	20.35	20.49	20.49	21.7	0				
10	HQAM	1	25	20.35	20.52	20.3	20.39	20.42	20.42						
10	HQAM	1	50	20.33	20.69	20.3	20.24	20.33	20.33						
10	HQAM	25	0	20.4	20.59	20.34	20.35	20.42	20.42						
10	HQAM	25	12	20.38	20.62	20.48	20.55	20.48	20.48	21.7	0				
10	HQAM	25	25	20.54	20.61	20.49	20.57	20.5	20.5						
10	HQAM	50	0	20.46	20.53	20.43	20.32	20.4	20.4						
10	HQAM	1	0	20.21	20.42	20.24	20.24	20.66	20.36	21.7	0				
10	HQAM	1	25	20.25	20.45	20.24	20.24	20.26	20.26						
10	HQAM	1	49	20.15	20.46	20.2	20.2	20.2	20.2						
10	HQAM	25	0	20.23	20.6	20.49	20.43	20.59	20.59	21.7	0				
10	HQAM	25	12	20.33	20.58	20.37	20.39	20.35	20.35						
10	HQAM	25	25	20.43	20.55	20.48	20.45	20.42	20.42						
10	HQAM	50	0	20.39	20.43	20.39	20.36	20.36	20.36						
10	25QAM	1	0	19.55	19.53	19.48	19.43	19.30	19.30	20.7	1				
10	25QAM	1	25	19.63	19.55	19.34	19.30	19.28	19.28						
10	25QAM	1	49	19.72	19.57	19.32	19.31	19.30	19.30						
10	25QAM	25	0	19.79	19.53	19.34	19.24	19.24	19.24						
10	25QAM	25	12	19.76	19.58	19.27	19.34	19.41	19.41	20.7	1				
10	25QAM	25	25	19.64	19.47	19.42	19.38	19.25	19.25						
10	25QAM	50	0	19.66	19.50	19.53	19.33	19.32	19.32						
Channel															
Frequency (MHz)															
5	QPSK	1	0	20.37	20.57	20.68	20.46	20.49	20.56	21.7	0				
5	QPSK	1	20	20.42	20.6	20.62	20.41	20.49	20.49						
5	QPSK	1	24	20.34	20.36	20.52	20.36	20.45	20.45						
5	QPSK	12	0	20.53	20.55	20.7	20.5	20.63	20.63						
5	QPSK	12	7	20.46	20.33	20.64	20.32	20.48	20.48	21.7	0				
5	QPSK	12	13	20.3	20.42	20.58	20.57	20.45	20.45						
5	QPSK	25	0	20.39	20.51	20.53	20.52	20.49	20.49						
5	QPSK	25	7	20.36	20.48	20.53	20.48	20.45	20.45						
5	HQAM	1	12	20.34	20.48	20.24	20.41	20.35	20.35	21.7	0				
5	HQAM	1	24	20.39	20.64	20.28	20.3	20.29	20.29						
5	HQAM	1	3	20.41	20.52	20.37	20.39	20.43	20.43						
5	HQAM	12	7	20.41	20.57	20.39	20.48	20.55	20.55	21.7	0				
5	HQAM	12	13	20.47	20.51	20.42	20.4	20.52	20.52						
5	HQAM	25	0	20.43	20.5	20.34	20.34	20.31	20.31						
5	HQAM	1	0	20.2	20.42	20.22	20.69	20.32	20.32						
5	HQAM	1	12	20.24	20.42	20.17	20.19	20.24	20.24	21.7	0				
5	HQAM	1	24	20.2	20.48	20.2	20.2	20.19	20.19						
5	HQAM	12	0	20.23	20.6	20.44	20.39	20.5	20.5						
5	HQAM	12	7	20.23	20.58	20.41	20.4	20.34	20.34						
5	HQAM	12	13	20.34	20.62	20.5	20.52	20.43	20.43						
5	HQAM	25	0	20.34	20.61	20.47	20.26	20.38	20.38	21.7	0				
5	HQAM	25	7	20.44	20.6	20.45	20.45	20.24	20.24						
5	25QAM	1	12	19.60	19.57	19.32	19.32	19.32	19.32	20.7	1				
5	25QAM	1	24	19.81	19.62	19.31	19.26	19.36	19.36						
5	25QAM	12	0	19.80	19.43	19.43	19.28	19.28	19.28						
5	25QAM	12	7	19.73	19.54	19.27	19.35	19.4	19.4	20.7	1				
5	25QAM	12	13	19.64	19.46	19.42	19.35	19.26	19.26						
5	25QAM	25	0	19.78	19.48	19.27	19.33	19.39	19.39						



Default/Full Power

Band 4_Ant 0_Other PA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq [mW]	Power High Ch / Freq [mW]	Power Low Ch / Freq [mW]	Power High Ch / Freq [mW]	Turn-up (dBm)	MPE (dB)
Channel									
Frequency [MHz]									
20	QPSK	1	0	23.45	23.43	23.44			
20	QPSK	1	49	23.43	23.42	23.42		25	0
20	QPSK	1	99	23.42	23.41	23.41			
20	QPSK	50	0	22.47	22.31	22.39			
20	QPSK	50	24	22.39	22.27	22.38		24	1
20	QPSK	50	49	22.38	22.36	22.45			
20	QPSK	100	0	22.42	22.30	22.39			
20	16QAM	1	0	22.51	22.48	22.52		24	1
20	16QAM	1	49	22.49	22.47	22.50			
20	16QAM	1	99	22.50	22.50	22.50			
20	16QAM	50	0	21.39	21.24	21.22			
20	16QAM	50	24	21.44	21.33	21.38		23	2
20	16QAM	50	50	21.44	21.38	21.45			
20	16QAM	100	0	21.39	21.31	21.35			
20	64QAM	1	49	21.53	21.39	21.48		23	2
20	64QAM	1	99	21.35	21.33	21.42			
20	64QAM	50	0	20.42	20.29	20.38			
20	64QAM	50	24	20.33	20.31	20.40		22	3
20	64QAM	50	50	20.53	20.41	20.51			
20	256QAM	1	0	20.33	20.31	20.39			
20	256QAM	1	0	18.38	18.28	18.28			
20	256QAM	1	49	18.38	18.27	18.25		20	5
20	256QAM	1	99	18.39	18.33	18.37			
20	256QAM	50	0	18.32	18.32	18.27			
20	256QAM	50	24	18.47	18.34	18.43		20	5
20	256QAM	50	49	18.40	18.42	18.41			
20	256QAM	100	0	18.42	18.34	18.42			
Channel									
Frequency [MHz]									
15	QPSK	1	0	23.38	23.42	23.38			
15	QPSK	1	37	23.41	23.27	23.35		25	0
15	QPSK	1	74	23.33	23.31	23.34			
15	QPSK	36	0	22.43	22.20	22.31			
15	QPSK	36	20	22.38	22.26	22.23		24	1
15	QPSK	36	36	22.33	22.29	22.32			
15	QPSK	75	0	22.39	22.19	22.38			
15	16QAM	1	0	22.46	22.38	22.52		24	1
15	16QAM	1	37	22.48	22.31	22.40			
15	16QAM	1	74	22.50	22.43	22.54			
15	16QAM	36	0	21.28	21.19	21.13			
15	16QAM	36	20	21.42	21.29	21.33		23	2
15	16QAM	36	36	21.29	21.30	21.42			
15	16QAM	75	0	21.29	21.20	21.23			
15	16QAM	75	0	21.37	21.37	21.41			
15	64QAM	1	37	21.48	21.26	21.38			
15	64QAM	1	74	21.26	21.29	21.37			
15	64QAM	36	0	20.38	20.23	20.35			
15	64QAM	36	20	20.29	20.27	20.39		22	3
15	64QAM	36	36	20.41	20.38	20.50			
15	64QAM	75	0	20.32	20.20	20.39			
15	64QAM	75	0	20.32	20.15	20.25			
15	256QAM	1	0	18.26	18.12	18.14		20	5
15	256QAM	1	37	18.32	18.32	18.35			
15	256QAM	1	74	18.38	18.32	18.34			
15	256QAM	36	0	18.30	18.27	18.17			
15	256QAM	36	20	18.47	18.34	18.43		20	5
15	256QAM	36	36	18.39	18.34	18.38			
15	256QAM	75	0	18.34	18.33	18.27			
15	256QAM	75	0	18.34	18.33	18.27			
Channel									
Frequency [MHz]									
10	QPSK	1	0	23.34	23.35	23.43			
10	QPSK	1	25	23.31	23.20	23.41		25	0
10	QPSK	49	0	22.39	22.28	22.49			
10	QPSK	25	0	22.39	22.26	22.28			
10	QPSK	25	12	22.25	22.17	22.29		24	1
10	QPSK	25	12	22.32	22.32	22.42			
10	QPSK	50	0	22.38	22.25	22.29			
10	QPSK	50	0	22.38	22.41	22.37			
10	16QAM	1	0	22.38	22.48	22.37		24	1
10	16QAM	1	49	22.49	22.49	22.52			
10	16QAM	25	12	21.29	21.12	21.16			
10	16QAM	25	12	21.43	21.25	21.35		23	2
10	16QAM	25	25	21.37	21.33	21.38			
10	16QAM	50	0	21.39	21.25	21.31			
10	64QAM	1	0	21.49	21.39	21.36			
10	64QAM	1	25	21.41	21.38	21.49		23	2
10	64QAM	25	0	20.27	20.15	20.38			
10	64QAM	25	12	20.22	20.22	20.38		22	3
10	64QAM	25	12	20.32	20.30	20.35			
10	64QAM	50	0	20.32	20.24	20.38			
10	256QAM	1	0	18.31	18.17	18.13			
10	256QAM	1	49	18.35	18.23	18.25		20	5
10	256QAM	25	0	18.32	18.18	18.15			
10	256QAM	25	12	18.41	18.21	18.21		20	5
10	256QAM	25	25	18.40	18.33	18.22			
10	256QAM	50	0	18.31	18.27	18.33			
Channel									
Frequency [MHz]									
5	QPSK	1	0	23.43	23.37	23.44			
5	QPSK	1	12	23.38	23.36	23.39		25	0
5	QPSK	1	24	23.33	23.36	23.39			
5	QPSK	12	0	22.35	22.29	22.25			
5	QPSK	12	7	22.29	22.12	22.24		24	1
5	QPSK	12	13	22.32	22.27	22.43			
5	QPSK	25	0	22.38	22.15	22.23			
5	QPSK	25	0	22.31	22.46	22.49			
5	16QAM	1	12	22.41	22.46	22.32		24	1
5	16QAM	1	24	22.53	22.42	22.53			
5	16QAM	12	7	22.38	22.29	22.43			
5	16QAM	12	7	21.65	21.21	21.31		23	2
5	16QAM	12	13	21.36	21.31	21.42			
5	16QAM	25	0	21.34	21.29	21.32			
5	64QAM	1	0	21.53	21.32	21.53			
5	64QAM	1	12	21.47	21.31	21.37		23	2
5	64QAM	12	7	21.31	21.28	21.41			
5	64QAM	12	0	20.27	20.28	20.24			
5	64QAM	12	7	20.30	20.21	20.29		22	3
5	64QAM	12	13	20.42	20.37	20.38			
5	256QAM	1	0	20.22	20.28	20.32			
5	256QAM	1	0	18.37	18.21	18.15			
5	256QAM	12	7	18.34	18.23	18.12		20	5
5	256QAM	1	24	18.35	18.28	18.21			
5	256QAM	12	0	18.22	18.18	18.12			
5	256QAM	12	13	18.33	18.20	18.23		20	5
5	256QAM	12	13	18.36	18.40	18.29			
5	256QAM	25	0	18.31	18.33	18.32			
Channel									
Frequency [MHz]									
3	QPSK	1	0	23.38	23.37	23.44			
3	QPSK	1	14	23.38	23.32	23.40		25	0
3	QPSK	8	0	22.46	22.20	22.29			
3	QPSK	8	7	22.31	22.13	22.24		24	1
3	QPSK	8	7	22.29	22.30	22.34			
3	QPSK	15	0	22.32	22.16	22.34			
3	16QAM	1	8	22.48	22.38	22.41			
3	16QAM	1	8	22.54	22.80	22.91		24	1
3	16QAM	1	14	22.54	22.36	22.48			
3	16QAM	8	0	21.27	21.19	21.24			
3	16QAM	8	4	21.61	21.64	21.53		23	2
3	16QAM	8	7	21.69	21.63	21.67			
3	64QAM	1	0	21.25	21.25	21.38			
3	64QAM	1	0	21.44	21.34	21.37			
3	64QAM	1	8	21.61	21.35	21.47		23	2
3	64QAM	8	0	20.31	20.19	20.38			
3	64QAM	8	4	20.22	20.25	20.27			
3	64QAM	8	7	20.51	20.33	20.50		22	3
3	64QAM	15	0	20.32	20.24	20.26			
3	256QAM	1	0	18.36	18.14	18.21			
3	256QAM	8	0	18.34	18.23	18.12		20	5
3	256QAM	1	14	18.35	18.24	18.28			
3	256QAM	8	0	18.26	18.18	18.16			
3	256QAM	8	7	18.44	18.23	18.24		20	5
3	256QAM	8	7	18.35	18.42	18.22			
3	256QAM	15	0	18.38	18.27	18.35			
Channel									
Frequency [MHz]									
1.4	QPSK	1	0	23.36	23.26	23.36			
1.4	QPSK	3	0	23.38	23.34	23.34			
1.4	QPSK	1	5	23.45	23.26	23.38		25	0
1.4	QPSK	3	0	23.36	23.36	23.32			
1.4	QPSK	3	1	23.29	23.24	23.30			
1.4	QPSK	3	3	23.31	23.27	23.29			
1.4	QPSK	6	0	22.29	22.09	22.24		24	1
1.4	16QAM	1	0	22.24	22.05	22.23			
1.4	16QAM	1	3	22.27	22.18	22.29			
1.4	16QAM	1	5	22.19	22.09	22.20		24	1
1.4									



Band 7_Ant_2_Other PA										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Turn-up (dBm)	MFR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.04	21.97	21.91		23.5	0	
20	QPSK	1	48	21.97	21.94	21.89				
20	QPSK	1	96	21.98	21.92	21.86				
20	QPSK	50	0	21.49	21.43	21.40		23	0.5	
20	QPSK	50	24	21.44	21.34	21.42				
20	QPSK	50	48	21.30	21.30	21.46				
20	QPSK	100	0	21.41	21.38	21.4				
20	16QAM	1	0	21.47	21.5	21.48		23	0.5	
20	16QAM	1	48	21.48	21.48	21.54				
20	16QAM	1	96	21.58	21.49	21.45				
20	16QAM	50	0	20.48	20.43	20.46		22	1.5	
20	16QAM	50	24	20.35	20.34	20.41				
20	16QAM	50	48	20.42	20.41	20.51				
20	16QAM	100	0	20.33	20.38	20.42				
20	64QAM	1	0	20.51	20.48	20.57		22	1.5	
20	64QAM	1	48	20.5	20.47	20.53				
20	64QAM	1	96	20.52	20.47	20.55				
20	64QAM	50	0	19.49	19.41	19.37		21	2.5	
20	64QAM	50	24	19.38	19.35	19.36				
20	64QAM	50	48	19.42	19.41	19.42				
20	64QAM	100	0	19.43	19.44	19.34				
20	256QAM	1	0	17.37	17.30	17.26		19	4.5	
20	256QAM	1	48	17.26	17.25	17.32				
20	256QAM	1	96	17.21	17.25	17.28				
20	256QAM	50	0	17.37	17.37	17.46				
20	256QAM	50	24	17.31	17.35	17.38		19	4.5	
20	256QAM	50	48	17.36	17.34	17.39				
20	256QAM	100	0	17.43	17.33	17.37				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.01	21.91	21.8		23.5	0	
15	QPSK	1	37	21.8	21.88	21.75				
15	QPSK	1	74	21.83	21.83	21.78				
15	QPSK	36	0	21.41	21.31	21.37		23	0.5	
15	QPSK	36	20	21.35	21.29	21.33				
15	QPSK	36	40	21.32	21.32	21.38				
15	QPSK	75	0	21.39	21.33	21.33				
15	16QAM	1	0	21.34	21.42	21.4		23	0.5	
15	16QAM	1	37	21.47	21.42	21.46				
15	16QAM	1	74	21.51	21.46	21.31				
15	16QAM	36	0	20.36	20.42	20.32		22	1.5	
15	16QAM	36	20	20.34	20.32	20.38				
15	16QAM	36	40	20.45	20.39	20.36				
15	16QAM	75	0	20.33	20.32	20.34				
15	64QAM	1	0	20.45	20.39	20.36		22	1.5	
15	64QAM	1	37	20.36	20.39	20.46				
15	64QAM	1	74	20.42	20.4	20.47				
15	64QAM	36	0	19.4	19.41	19.32		21	2.5	
15	64QAM	36	20	19.26	19.21	19.3				
15	64QAM	36	40	19.38	19.33	19.36				
15	64QAM	75	0	19.32	19.32	19.34				
15	256QAM	1	0	17.33	17.21	17.16		19	4.5	
15	256QAM	1	37	17.24	17.18	17.16				
15	256QAM	1	74	17.08	17.12	17.11				
15	256QAM	36	0	17.34	17.30	17.41		19	4.5	
15	256QAM	36	20	17.31	17.31	17.38				
15	256QAM	36	40	17.32	17.23	17.33				
15	256QAM	75	0	17.35	17.17	17.37				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.86	21.90	21.78		23.5	0	
10	QPSK	1	25	21.89	21.9	21.89				
10	QPSK	1	48	21.88	21.79	21.84				
10	QPSK	25	0	21.47	21.28	21.44		23	0.5	
10	QPSK	25	12	21.41	21.38	21.33				
10	QPSK	25	24	21.39	21.34	21.43				
10	QPSK	50	0	21.28	21.32	21.33				
10	16QAM	1	0	21.33	21.37	21.33		23	0.5	
10	16QAM	1	25	21.53	21.36	21.5				
10	16QAM	1	48	21.49	21.43	21.41				
10	16QAM	25	0	20.41	20.36	20.36		22	1.5	
10	16QAM	25	12	20.3	20.35	20.38				
10	16QAM	25	24	20.29	20.29	20.36				
10	16QAM	50	0	20.29	20.26	20.31				
10	64QAM	1	0	20.51	20.49	20.51		22	1.5	
10	64QAM	1	25	20.46	20.41	20.53				
10	64QAM	1	48	20.46	20.47	20.4				
10	64QAM	25	0	19.38	19.34	19.36		21	2.5	
10	64QAM	25	12	19.28	19.2	19.22				
10	64QAM	25	24	19.3	19.24	19.4				
10	64QAM	50	0	19.41	19.31	19.53				
10	256QAM	1	0	17.32	17.30	17.13		19	4.5	
10	256QAM	1	25	17.16	17.13	17.15				
10	256QAM	1	48	17.12	17.13	17.15				
10	256QAM	25	0	17.26	17.37	17.41		19	4.5	
10	256QAM	25	12	17.34	17.32	17.38				
10	256QAM	25	24	17.24	17.15	17.26				
10	256QAM	50	0	17.28	17.20	17.24				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.88	21.91	21.89		23.5	0	
5	QPSK	1	12	21.84	21.88	21.8				
5	QPSK	1	24	21.97	21.88	21.85				
5	QPSK	12	0	21.43	21.37	21.35		23	0.5	
5	QPSK	12	7	21.33	21.27	21.37				
5	QPSK	12	14	21.25	21.3	21.42				
5	QPSK	25	0	21.38	21.36	21.25				
5	16QAM	1	0	21.41	21.39	21.41		23	0.5	
5	16QAM	1	12	21.5	21.44	21.53				
5	16QAM	1	24	21.51	21.47	21.3				
5	16QAM	12	0	20.36	20.47	20.37		22	1.5	
5	16QAM	12	7	20.28	20.27	20.33				
5	16QAM	12	14	20.37	20.38	20.44				
5	16QAM	25	0	20.27	20.28	20.3				
5	64QAM	1	0	20.36	20.45	20.55		22	1.5	
5	64QAM	1	12	20.49	20.43	20.44				
5	64QAM	1	24	20.47	20.34	20.46				
5	64QAM	12	0	19.42	19.37	19.35		21	2.5	
5	64QAM	12	7	19.35	19.28	19.31				
5	64QAM	12	14	19.37	19.3	19.34				
5	64QAM	25	0	19.43	19.37	19.43				
5	256QAM	1	0	17.34	17.20	17.11		19	4.5	
5	256QAM	1	12	17.12	17.10	17.25				
5	256QAM	1	24	17.06	17.22	17.15				
5	256QAM	12	0	17.28	17.25	17.44		19	4.5	
5	256QAM	12	7	17.20	17.20	17.34				
5	256QAM	12	14	17.32	17.31	17.16				
5	256QAM	25	0	17.37	17.18	17.36				

Band 7_Ant_3_Other PA										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Turnup (dBm)	MFR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.15	22.08	22.34		23.5	0	
20	QPSK	1	48	22.12	22.07	22.10				
20	QPSK	1	96	22.12	22.06	22.14				
20	QPSK	50	0	21.14	21.08	21.15		22.5	1	
20	QPSK	50	24	21.11	21.06	21.11				
20	QPSK	50	48	21.04	21.07	21.13				
20	QPSK	100	0	21.10	21.12	21.13				
20	16QAM	1	0	21.27	21.18	21.14		22.5	1	
20	16QAM	1	48	21.20	21.12	21.23				
20	16QAM	1	96	21.19	21.19	21.27				
20	16QAM	50	0	20.16	20.10	20.07		21.5	2	
20	16QAM	50	24	20.05	20.05	20.12				
20	16QAM	50	48	20.15	20.11	20.06				
20	16QAM	100	0	20.15	20.10	20.06				
20	64QAM	1	0	20.13	20.15	20.14		21.5	2	
20	64QAM	1	48	20.14	20.13	20.12				
20	64QAM	1	96	20.19	20.17	20.15				
20	64QAM	50	0	19.07	19.07	19.14		20.5	3	
20	64QAM	50	24	19.05	19.02	19.04				
20	64QAM	50	48	19.14	19.05	19.03				
20	64QAM	100	0	19.10	19.07	19.13				
20	256QAM	1	0	18.91	18.86	17.04		18.5	5	
20	256QAM	1	48	18.88	18.83	16.97				
20	256QAM	1	96	18.88	18.83	18.94				
20	256QAM	50	0	17.11	17.04	17.07		18.5	5	
20	256QAM	50	24	17.10	17.02	17.11				
20	256QAM	50	48	17.10	17.07	17.13				
20	256QAM	100	0	16.97	17.02	17.08				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.03	21.94	22.21		23.5	0	
15	QPSK	1	37	22.06	22.02	22.07				
15	QPSK	1	75	22.08	22.03	22.10				
15	QPSK	36	0	21.04	21.02	21.14		22.5	1	
15	QPSK	36	20	21.07	21.04	21.07				
15	QPSK	36	40	21.05	21.03	21.11				
15	QPSK	36	0	21.04	21.06	21.11				
15	16QAM	1	0	21.22	21.07	21.11		22.5	1	
15	16QAM	1	37	21.15	21.07	21.11				
15	16QAM	1	74	21.13	21.11	21.25				
15	16QAM	36	0	20.03	19.99	19.97		21.5	2	
15	16QAM	36	20	19.98	19.89	19.98				
15	16QAM	36	39	19.92	19.92	20.04				
15	16QAM	75	0	20.03	20.06	20.09				
15	16QAM	75	20	20.02	20.02	20.12				
15	16QAM	75	40	20.07	20.09	20.07				
15	16QAM	1	37	20.07	20.09	19.97		21.5	2	
15	16QAM	1	74	20.16	20.03	20.06				
15	16QAM	36	20	19.98	19.93	19.95		20.5	3	
15	16QAM	36	20	19.04	18.87	18.92				
15	16QAM	36	39	19.01	18.99	19.04				
15	16QAM	75	0	18.91	18.87	18.93		18.5	5	
15	256QAM	1	0	16.79	16.53	16.93				
15	256QAM	1	37	16.83	16.80	16.82				
15	256QAM	1	74	16.83	16.80	16.82				
15	256QAM	36	0	16.87	16.87	16.95		18.5	5	
15	256QAM	36	20	17.10	16.88	16.90				
15	256QAM	36	39	17.10	16.88	16.90				
15	256QAM	75	0	16.86	16.86	16.92				
15	256QAM	75	20	16.86	16.86	16.92				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.1	21.06	22.11		23.5	0	
5	QPSK	1	25	22.04	22.01	21.98				
5	QPSK	1	49	22.05	22.02	22.03				
5	QPSK	25	0	21.06	21.04	21.04		22.5	1	
5	QPSK	25	12	21.08	20.92	21.1				
5	QPSK	25	25	21.09	21.03	21.08		22.5	1	
5	QPSK	50	0	21.01	21.03	21.13				
5	16QAM	1	0	21.23	21.11	21.05		22.5	1	
5	16QAM	1	25	21.16	21.07	21.08				
5	16QAM	1	49	21.04	21.12	21.14				
5	16QAM	25	0	20.12	19.97	20.01		21.5	2	
5	16QAM	25	12	20.02	19.98	20.02				
5	16QAM	25	25	19.98	20.05	20.11				
5	16QAM	50	0	20.04	20.09	20.04		20.5	3	
5	16QAM	50	12	20.01	20.02	20.08				
5	16QAM	50	25	20.01	20.08	20.02				
5	64QAM	1	0	20.09	20.01	20.03		21.5	2	
5	64QAM	1	25	19.93	19.93	19.93				
5	64QAM	1	49	19.93	19.93	19.93				
5	64QAM	25	12	18.91	19.01	19.05		20.5	3	
5	64QAM	25	25	19.04	18.84	18.91				
5	256QAM	1	0	16.84	16.84	16.94		18.5	5	
5	256QAM	1	0	16.84	16.83	16.92				
5	256QAM	1	25	16.76	16.88	16.94				
5	256QAM	1	49	16.83	16.96	16.92				
5	256QAM	25	0	16.96	16.97	16.94				
5	256QAM	25	12	17.06	16.97	16.87		18.5	5	
5	256QAM	25	25	17.06	16.97	16.87				
5	256QAM	50	0	16.95	16.92	16.91		18.5	5	
5	256QAM	50	0	16.95	16.92	16.94				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.08	22.06	22.14		23.5	0	
5	QPSK	1	12	22.08	22.06	22.11				
5	QPSK	1	24	21.88	21.88	21.87				
5	QPSK	12	0	21.11	21.07	21.14		22.5	1	
5	QPSK	12	12	21.08	20.98	20.98				
5	QPSK	12	24	21.03	20.96	21.09		22.5	1	
5	QPSK	25	0	21.07	21.12	21.08				
5	QPSK	1	0	21.19	21.11	21.11		22.5	1	
5	16QAM	1	12	21.07	21.11	21.12				
5	16QAM	1	24	21.08	21.12	21.12				
5	16QAM	12	0	20.16	20.02	19.95		21.5	2	
5	16QAM	12	7	19.89	19.99	20.01				
5	16QAM	12	14	19.99	20.03	20.04				
5	16QAM	25	0	20.08	20.04	19.92		21.5	2	
5	16QAM	25	12	20.05	20.06	20.11				
5	16QAM	25	24	20.06	20.06	20.11				
5	16QAM	50	0	19.98	19.98	19.98		20.5	3	
5	16QAM	50	12	19.98	19.98	19.98				
5	16QAM	12	19	19.05	19.09	19.09				
5	16QAM	12	19	19.05	19.09	19.09				
5	256QAM	1	0	16.86	16.88	16.91		18.5	5	
5	256QAM	1	12	16.81	16.87	16.87				
5	256QAM	1	24	16.81	16.88	16.84				
5	256QAM	12	0	17.10	16.88	16.92		18.5	5	
5	256QAM	12	7	17.04	16.96	16.95				
5	256QAM	25	0	16.91	17.02	16.94		18.5	5	



Band 66_Ant 1_Other PA											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq 130072 130072 130072	Power High Ch / Freq 130072 130072 130072	Power Ch / Freq 130072 130072 130072	Power High Ch / Freq 130072 130072 130072	Tune-up (dBm)	MPE (dB)		
Channel											
Frequency (MHz)											
26	QPSK	1	0	22.89	22.88	22.88	22.88	24	0		
26	QPSK	1	48	22.88	22.88	22.88	22.88				
26	QPSK	1	96	22.87	22.87	22.87	22.87				
26	QPSK	50	0	21.82	21.88	21.81	21.81				
26	QPSK	50	24	21.78	21.88	21.88	21.88	23	1		
26	QPSK	50	48	21.75	21.85	21.85	21.85				
26	QPSK	100	0	21.68	21.82	21.83	21.83				
26	QPSK	100	0	21.67	22.01	21.98	21.98				
26	16QAM	1	0	21.97	22.01	21.97	21.97	23	1		
26	16QAM	1	48	21.96	22.01	21.98	21.98				
26	16QAM	1	96	22.05	21.98	22.08	22.08				
26	16QAM	50	24	20.92	20.98	20.93	20.93				
26	16QAM	50	48	20.92	20.98	20.93	20.93	22	2		
26	16QAM	100	0	20.87	20.87	20.84	20.84				
26	16QAM	100	0	20.89	20.89	20.89	20.89				
26	64QAM	1	0	20.94	20.96	20.98	20.98				
26	64QAM	1	96	20.93	20.97	20.96	20.96	22	2		
26	64QAM	50	0	19.92	19.94	19.89	19.89				
26	64QAM	50	24	19.92	19.96	19.94	19.94				
26	64QAM	50	50	19.95	19.88	19.91	19.91				
26	256QAM	1	0	17.86	17.89	17.89	17.89	21	3		
26	256QAM	1	48	17.76	17.79	17.83	17.83				
26	256QAM	1	96	17.90	17.81	17.89	17.89				
26	256QAM	50	0	17.91	17.89	17.94	17.94				
26	256QAM	50	24	17.81	17.88	17.83	17.83	19	5		
26	256QAM	50	48	17.80	17.84	17.84	17.84				
26	256QAM	100	0	17.89	17.82	17.77	17.77				
Channel											
Frequency (MHz)											
16	QPSK	1	0	22.85	22.85	22.82	22.82	24	0		
16	QPSK	1	37	22.77	22.80	22.83	22.83				
16	QPSK	1	74	22.80	22.82	22.87	22.87				
16	QPSK	36	0	21.75	21.87	21.85	21.85				
16	QPSK	36	20	21.78	21.79	21.83	21.83	23	1		
16	QPSK	36	39	21.75	21.74	21.84	21.84				
16	QPSK	75	0	21.68	21.73	21.72	21.72				
16	QPSK	1	0	21.65	21.66	21.62	21.62				
16	16QAM	1	0	21.62	21.69	21.69	21.69	23	1		
16	16QAM	1	74	22.04	21.94	21.99	21.99				
16	16QAM	36	0	20.96	20.94	20.95	20.95				
16	16QAM	36	20	20.77	20.78	20.89	20.89				
16	16QAM	36	39	20.77	20.80	20.80	20.80	22	2		
16	16QAM	75	0	20.76	20.85	20.81	20.81				
16	16QAM	1	0	20.91	20.94	20.96	20.96				
16	16QAM	1	37	20.94	20.95	21.02	21.02				
16	64QAM	1	74	20.89	20.87	20.94	20.94	22	2		
16	64QAM	36	0	19.88	19.84	19.78	19.78				
16	64QAM	36	20	19.78	19.84	19.84	19.84				
16	64QAM	36	39	19.87	19.82	19.82	19.82				
16	64QAM	75	0	19.74	19.78	19.86	19.86	21	3		
16	256QAM	1	0	17.83	17.82	17.88	17.88				
16	256QAM	1	37	17.74	17.75	17.82	17.82				
16	256QAM	1	74	17.84	17.78	17.84	17.84				
16	256QAM	36	0	17.84	17.79	17.84	17.84	19	5		
16	256QAM	36	20	17.78	17.78	17.84	17.84				
16	256QAM	36	39	17.76	17.74	17.86	17.86				
16	256QAM	75	0	17.79	17.78	17.72	17.72				
Channel											
Frequency (MHz)											
16	QPSK	1	0	22.88	22.84	22.88	22.88	24	0		
16	QPSK	1	25	22.73	22.88	22.83	22.83				
16	QPSK	1	48	22.82	22.85	22.87	22.87				
16	QPSK	26	0	21.67	21.74	21.81	21.81				
16	QPSK	26	12	21.65	21.77	21.85	21.85	23	1		
16	QPSK	26	25	21.66	21.78	21.79	21.79				
16	QPSK	50	0	21.56	21.71	21.76	21.76				
16	16QAM	1	0	21.61	22.05	21.82	21.82				
16	16QAM	1	25	21.67	21.65	21.80	21.80	23	1		
16	16QAM	1	48	22.04	21.84	21.96	21.96				
16	16QAM	26	0	20.98	20.90	20.91	20.91				
16	16QAM	26	12	20.78	20.76	20.79	20.79				
16	16QAM	26	25	20.75	20.83	20.83	20.83	22	2		
16	16QAM	50	0	20.85	20.85	20.84	20.84				
16	16QAM	1	0	20.87	20.85	20.82	20.82				
16	64QAM	1	25	20.90	20.91	20.91	20.91				
16	64QAM	1	48	20.92	20.93	20.93	20.93	22	2		
16	64QAM	25	0	19.87	19.94	19.90	19.90				
16	64QAM	25	12	19.80	19.78	19.85	19.85				
16	64QAM	25	25	19.78	19.78	19.84	19.84				
16	64QAM	50	0	19.78	19.84	19.75	19.75	21	3		
16	256QAM	1	0	17.90	17.82	17.88	17.88				
16	256QAM	1	25	17.72	17.73	17.78	17.78				
16	256QAM	1	48	17.77	17.85	17.87	17.87				
16	256QAM	25	0	17.88	17.85	17.91	17.91	19	5		
16	256QAM	25	12	17.87	17.84	17.91	17.91				
16	256QAM	25	25	17.68	17.65	17.75	17.75				
16	256QAM	50	0	17.83	17.65	17.68	17.68				
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.89	22.87	22.82	22.82	24	0		
5	QPSK	1	12	22.85	22.87	22.87	22.87				
5	QPSK	1	24	22.85	22.88	22.85	22.85				
5	QPSK	12	0	21.75	21.80	21.84	21.84				
5	QPSK	12	6	21.72	21.81	21.86	21.86	23	1		
5	QPSK	12	18	21.67	21.86	21.73	21.73				
5	QPSK	26	0	21.60	21.77	21.81	21.81				
5	16QAM	1	0	21.63	21.80	21.83	21.83				
5	16QAM	1	12	21.88	21.81	21.87	21.87	23	1		
5	16QAM	1	24	22.03	21.87	22.00	22.00				
5	16QAM	12	0	20.72	20.72	20.78	20.78				
5	16QAM	12	7	20.75	20.74	20.77	20.77				
5	16QAM	12	13	20.83	20.75	20.87	20.87	22	2		
5	16QAM	26	0	20.86	20.85	20.88	20.88				
5	16QAM	1	0	20.89	20.81	20.89	20.89				
5	64QAM	1	12	20.98	20.95	21.04	21.04				
5	64QAM	1	24	20.87	20.84	20.93	20.93	22	2		
5	64QAM	12	0	19.90	19.93	19.95	19.95				
5	64QAM	12	7	19.77	19.84	19.90	19.90				
5	64QAM	12	13	19.77	19.88	19.78	19.78				
5	64QAM	26	0	19.77	19.88	19.76	19.76	21	3		
5	256QAM	1	0	16.77	16.88	16.77	16.77				
5	256QAM	1	12	16.65	16.72	16.78	16.78				
5	256QAM	1	24	16.71	16.78	16.82	16.82				
5	256QAM	12	0	17.51	17.74	17.86	17.86	19	5		
5	256QAM	12	7	17.68	17.68	17.79	17.79				
5	256QAM	12	13	17.70	17.76	17.71	17.71				
5	256QAM	26	0	17.66	17.66	17.75	17.75				
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.75	22.88	22.80	22.80	24	0		
3	QPSK	1	14	22.77	22.95	22.81	22.81				
3	QPSK	8	0	21.76	21.86	21.86	21.86				
3	QPSK	8	7	21.71	21.71	21.72	21.72				
3	QPSK	15	0	21.60	21.72	21.74	21.74	23	1		
3	QPSK	15	7	21.62	21.72	21.72	21.72				
3	QPSK	8	7	21.71	21.71	21.72	21.72				
3	16QAM	1	0	21.63	21.75	21.78	21.78				
3	16QAM	1	14	22.04	21.98	22.07	22.07	23	1		
3	16QAM	1	28	22.06	21.98	22.07	22.07				
3	16QAM	8	4	20.75	20.77	20.82	20.82				
3	16QAM	8	4	20.75	20.77	20.77	20.77				
3	16QAM	8	7	20.84	20.83	20.85	20.85	22	2		
3	16QAM	8	7	20.84	20.83	20.85	20.85				
3	16QAM	1	0	20.88	20.84	20.91	20.91				
3	16QAM	1	8	21.02	20.90	21.01	21.01				
3	16QAM	8	0	19.78	19.90	19.86	19.86	22	2		
3	64QAM	8	4	19.82	19.71	19.85	19.85				
3	64QAM	8	4	19.82	19.78	19.85	19.85				
3	64QAM	15	0	19.85	19.76	19.83	19.83				
3	256QAM	1	0	17.84	17.73	17.86	17.86	21	3		
3	256QAM	1	14	17.74	17.74	17.71	17.71				
3	256QAM	1	14	17.79	17.75	17.82	17.82				
3	256QAM	1	14	17.79	17.75	17.82	17.82				
3	256QAM	8	7	17.66	17.91	17.81	17.81	19	5		
3	256QAM	8	7	17.79	17.79	17.79	17.79				
3	256QAM	8	7	17.77	17.68	17.78	17.78				
3	256QAM	15	0	17.73	17.69	17.76	17.76				
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.75	22.88	22.80	22.80	24	0		
3	QPSK	1	14	22.77	22.95	22.81	22.81				
3	QPSK	8	0	21.76	21.86	21.86	21.86				
3	QPSK	8	7	21.71	21.71	21.72	21.72				
3	QPSK	15	0	21.60	21.72	21.74	21.74	23	1		
3	QPSK	15	7	21.62	21.72	21.72	21.72				
3	QPSK	8	7	21.71	21.71	21.72	21.72				
3	16QAM	1	0	21.63	21.75	21.78	21.78				
3	16QAM	1	14	22.05	21.93	22.02	22.02	23	1		
3	16QAM	1	28	22.06	21.93	22.02	22.02				
3	16QAM	8	4	20.75	20.77	20.82	20.82				
3	16QAM	8	4	20.75	20.77	20.77	20.77				
3	16QAM	8	7	20.84	20.83	20.85	20.85	22	2		
3	16QAM	8	7	20.84	20.83	20.85	20.85				
3	16QAM	1	0	20.88	20.84	20.91	20.91				
3	16QAM	1	8	21.02	20.90	21.01	21.01				
3	16QAM	8	0	19.78							



Reduced Power for DB10

Band 4_Ant 0_Other PA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freqs (dBm)	Power Ch / Freqs (dBm)	Power Ch / Freqs (dBm)	Turn-up (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.45	23.43	23.44			
20	QPSK	1	49	23.43	23.42	23.42	25	0	
20	QPSK	1	99	23.42	23.41	23.41			
20	QPSK	50	0	22.47	22.31	22.39			
20	QPSK	50	24	22.38	22.27	22.28	24	1	
20	QPSK	50	50	22.36	22.25	22.25			
20	QPSK	100	0	22.42	22.30	22.38			
20	16QAM	1	0	22.58	22.48	22.52			
20	16QAM	1	49	22.52	22.44	22.47	24	1	
20	16QAM	1	99	22.58	22.50	22.50			
20	16QAM	50	0	21.39	21.34	21.22			
20	16QAM	50	24	21.34	21.33	21.38	23	2	
20	16QAM	50	50	21.44	21.38	21.45			
20	16QAM	100	0	21.39	21.31	21.35			
20	64QAM	1	0	21.50	21.44	21.49			
20	64QAM	1	49	21.53	21.39	21.48	23	2	
20	64QAM	1	99	21.58	21.53	21.42			
20	64QAM	50	0	20.42	20.20	20.38			
20	64QAM	50	24	20.33	20.31	20.46	22	3	
20	64QAM	50	50	20.53	20.41	20.51			
20	64QAM	100	0	20.33	20.31	20.39			
20	256QAM	1	0	18.38	18.28	18.26			
20	256QAM	1	49	18.38	18.27	18.25	20	5	
20	256QAM	1	99	18.39	18.33	18.32			
20	256QAM	50	0	18.32	18.32	18.27			
20	256QAM	50	24	18.47	18.34	18.43	20	5	
20	256QAM	50	50	18.50	18.42	18.41			
20	256QAM	100	0	18.42	18.34	18.42			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.38	23.42	23.38			
15	QPSK	1	37	23.41	23.27	23.33	25	0	
15	QPSK	1	74	23.33	23.33	23.35			
15	QPSK	36	0	22.43	22.20	22.31			
15	QPSK	36	20	22.38	22.28	22.23	24	1	
15	QPSK	36	37	22.33	22.29	22.33			
15	QPSK	75	0	22.39	22.19	22.28			
15	16QAM	1	0	22.40	22.38	22.52			
15	16QAM	1	37	22.48	22.31	22.41	24	1	
15	16QAM	1	74	22.50	22.43	22.54			
15	16QAM	36	0	21.28	21.19	21.13			
15	16QAM	36	20	21.42	21.29	21.33	23	2	
15	16QAM	36	37	21.29	21.30	21.42			
15	16QAM	75	0	21.29	21.20	21.23			
15	64QAM	1	0	21.57	21.37	21.51			
15	64QAM	1	37	21.48	21.28	21.38	23	2	
15	64QAM	1	74	21.28	21.29	21.37			
15	64QAM	36	0	20.38	20.23	20.34			
15	64QAM	36	20	20.41	20.27	20.39	22	3	
15	64QAM	36	37	20.29	20.38	20.50			
15	64QAM	75	0	20.32	20.30	20.39			
15	256QAM	1	0	18.26	18.15	18.25	20	5	
15	256QAM	1	37	18.28	18.12	18.14			
15	256QAM	1	74	18.32	18.18	18.32			
15	256QAM	36	0	18.30	18.27	18.17			
15	256QAM	36	20	18.36	18.24	18.34	20	5	
15	256QAM	36	37	18.39	18.34	18.38			
15	256QAM	75	0	18.34	18.33	18.27			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.34	23.35	23.43			
10	QPSK	1	25	23.38	23.30	23.41	25	0	
10	QPSK	1	49	23.38	23.28	23.49			
10	QPSK	25	0	22.39	22.28	22.28			
10	QPSK	25	12	22.36	22.17	22.29	24	1	
10	QPSK	25	25	22.36	22.32	22.42			
10	QPSK	50	0	22.36	22.25	22.29			
10	16QAM	1	0	22.38	22.41	22.37			
10	16QAM	1	24	22.38	22.46	22.37	24	1	
10	16QAM	1	49	22.49	22.40	22.52			
10	16QAM	25	0	21.29	21.12	21.16			
10	16QAM	25	12	21.43	21.25	21.37	23	2	
10	16QAM	25	25	21.37	21.33	21.38			
10	16QAM	50	0	21.49	21.29	21.38			
10	64QAM	1	0	21.49	21.39	21.26			
10	64QAM	1	25	21.41	21.36	21.49	23	2	
10	64QAM	1	49	21.47	21.40	21.46			
10	64QAM	25	0	20.27	20.10	20.38			
10	64QAM	25	12	20.22	20.22	20.36	22	3	
10	64QAM	25	25	20.26	20.27	20.37			
10	64QAM	50	0	20.32	20.24	20.38			
10	256QAM	1	0	18.31	18.17	18.13	20	5	
10	256QAM	1	12	18.36	18.16	18.25			
10	256QAM	1	49	18.38	18.23	18.30			
10	256QAM	25	0	18.28	18.20	18.15			
10	256QAM	25	12	18.41	18.22	18.31	20	5	
10	256QAM	25	25	18.40	18.33	18.22			
10	256QAM	50	0	18.31	18.27	18.33			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.43	23.37	23.44			
5	QPSK	1	12	23.38	23.36	23.53	25	0	
5	QPSK	1	24	23.34	23.36	23.58			
5	QPSK	12	0	22.35	22.20	22.25			
5	QPSK	12	7	22.32	22.12	22.24	24	1	
5	QPSK	12	13	22.36	22.17	22.49			
5	QPSK	25	0	22.36	22.15	22.23			
5	16QAM	1	0	22.41	22.46	22.40			
5	16QAM	1	12	22.41	22.46	22.52	24	1	
5	16QAM	1	24	22.53	22.42	22.53			
5	16QAM	12	0	21.36	21.09	21.30			
5	16QAM	12	7	21.35	21.21	21.31	23	2	
5	16QAM	12	13	21.36	21.31	21.42			
5	16QAM	25	0	21.24	21.20	21.25			
5	16QAM	25	0	21.53	21.52	21.53			
5	64QAM	1	12	21.47	21.31	21.57	23	2	
5	64QAM	1	12	21.35	21.28	21.40			
5	64QAM	12	0	20.27	20.28	20.24			
5	64QAM	12	7	20.30	20.21	20.29	22	3	
5	64QAM	12	13	20.41	20.40	20.39			
5	256QAM	1	0	20.22	20.28	20.32			
5	256QAM	1	0	18.37	18.21	18.15	20	5	
5	256QAM	1	12	18.30	18.24	18.15			
5	256QAM	1	24	18.33	18.26	18.21			
5	256QAM	12	0	18.22	18.18	18.12			
5	256QAM	12	7	18.33	18.17	18.27	20	5	
5	256QAM	12	13	18.39	18.40	18.29			
5	256QAM	25	0	18.31	18.33	18.32			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.38	23.37	23.44			
1.4	QPSK	1	12	23.38	23.36	23.58	25	0	
1.4	QPSK	1	14	23.38	23.32	23.40			
1.4	QPSK	3	0	22.46	22.20	22.29			
1.4	QPSK	3	8	22.31	22.13	22.43	24	1	
1.4	QPSK	3	7	22.29	22.30	22.34			
1.4	QPSK	15	0	22.32	22.18	22.34			
1.4	16QAM	1	0	22.48	22.38	22.41			
1.4	16QAM	1	8	22.40	22.38	22.58	17	0	
1.4	16QAM	1	14	22.54	22.38	22.48			
1.4	16QAM	3	0	21.27	21.19	21.21			
1.4	16QAM	3	8	21.29	21.31	21.35	23	2	
1.4	16QAM	3	7	21.25	21.26	21.28			
1.4	16QAM	1	0	21.44	21.34	21.37			
1.4	16QAM	1	8	21.51	21.36	21.47	23	2	
1.4	16QAM	1	14	21.36	21.27	21.27			
1.4	16QAM	3	0	20.31	20.19	20.38			
1.4	16QAM	3	8	20.22	20.25	20.27	22	3	
1.4	16QAM	3	14	20.33	20.33	20.39			
1.4	16QAM	15	0	20.32	20.24	20.26			
1.4	256QAM	1	0	18.36	18.14	18.21	20	5	
1.4	256QAM	1	12	18.34	18.23	18.12			
1.4	256QAM	1	14	18.35	18.24	18.28			
1.4	256QAM	12	0	18.20	18.18	18.16			
1.4	256QAM	12	7	18.44	18.21	18.25	20	5	
1.4	256QAM	12	13	18.39	18.42	18.22			
1.4	256QAM	15	0	18.28	18.27	18.36			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.30	23.26	23.36			
1.4	QPSK	1	3	23.28	23.24	23.28	25	0	
1.4	QPSK	1	5	23.25	23.26	23.36			
1.4	QPSK	3	0	22.26	22.36	22.32			
1.4	QPSK	3	3	22.26	22.34	22.34	24	1	
1.4	QPSK	3	7	22.31	22.27	22.35			
1.4	QPSK	6	0	22.29	22.20	22.24	24	1	
1.4	QPSK	6	3	22.05	22.01	22.03			
1.4	16QAM	1	0	22.27	22.18	22.29			
1.4	16QAM	1	3	22.19	22.09	22.15	24	1	
1.4	16QAM	1	5	22.16	22.15	22.24			
1.4	16QAM	3	0	22.25	22.23	22.30			
1.4	16QAM	3	3	22.37	22.35	22.35			
1.4	16QAM	3	7	22.43	22.31	22.39			
1.4	16QAM	6	0	21.27	21.17	21.15	23	2	
1.4	16QAM	6	3	21.17	21.08	21.13			
1.4	16QAM	1	0	21.32	21.22	21.24			
1.4	16QAM	1	3	21.21	21.21	21.21	23	2	
1.4	16QAM	1	5	21.35	21.24	21.28			
1.4									



Band 7_Ant 2_Other PA

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.04	21.91	21.91	21.91	23.5	0
20	QPSK	1	49	21.87	21.94	21.88	21.88		
20	QPSK	1	98	21.56	21.62	21.56	21.56		
20	QPSK	50	0	21.49	21.43	21.46	21.46		
20	QPSK	50	24	21.44	21.34	21.42	21.42	23	0.5
20	QPSK	50	49	21.39	21.35	21.46	21.46		
20	QPSK	100	0	21.41	21.39	21.4	21.4		
20	16QAM	1	0	21.47	21.5	21.48	21.48	23	0.5
20	16QAM	1	49	21.54	21.49	21.54	21.54		
20	16QAM	1	99	21.58	21.49	21.45	21.45		
20	16QAM	50	0	20.48	20.43	20.46	20.46		
20	16QAM	50	24	20.35	20.34	20.41	20.41		
20	16QAM	50	50	20.42	20.41	20.51	20.51	22	1.5
20	16QAM	100	0	20.33	20.38	20.42	20.42		
20	64QAM	1	49	20.51	20.49	20.57	20.57	22	1.5
20	64QAM	1	99	20.52	20.47	20.55	20.55		
20	64QAM	50	0	19.49	19.41	19.37	19.37		
20	64QAM	50	24	19.38	19.38	19.36	19.36		
20	64QAM	50	50	19.42	19.41	19.42	19.42	21	2.5
20	64QAM	100	0	19.43	19.44	19.14	19.14		
20	256QAM	1	0	17.37	17.39	17.26	17.26		
20	256QAM	1	49	17.26	17.25	17.32	17.32	19	4.5
20	256QAM	1	99	17.21	17.28	17.26	17.26		
20	256QAM	50	0	17.37	17.37	17.46	17.46		
20	256QAM	50	24	17.31	17.35	17.38	17.38	19	4.5
20	256QAM	50	50	17.36	17.36	17.46	17.46		
20	256QAM	100	0	17.43	17.33	17.37	17.37		
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.01	21.91	21.8	21.8	23.5	0
15	QPSK	1	37	21.91	21.88	21.75	21.75		
15	QPSK	1	74	21.83	21.88	21.76	21.76		
15	QPSK	36	0	21.41	21.31	21.37	21.37	23	0.5
15	QPSK	36	20	21.35	21.25	21.33	21.33		
15	QPSK	36	21	21.32	21.31	21.36	21.36		
15	QPSK	75	0	21.39	21.33	21.33	21.33		
15	16QAM	1	0	21.34	21.42	21.4	21.4	23	0.5
15	16QAM	1	37	21.47	21.41	21.41	21.41		
15	16QAM	1	74	21.51	21.49	21.31	21.31		
15	16QAM	36	0	20.38	20.42	20.32	20.32	22	1.5
15	16QAM	36	20	20.34	20.32	20.28	20.28		
15	16QAM	36	21	20.45	20.39	20.36	20.36		
15	16QAM	75	0	20.33	20.35	20.34	20.34		
15	64QAM	1	37	20.36	20.39	20.46	20.46	22	1.5
15	64QAM	1	74	20.42	20.44	20.47	20.47		
15	64QAM	36	0	19.4	19.4	19.32	19.32		
15	64QAM	36	20	19.26	19.21	19.3	19.3	21	2.5
15	64QAM	36	21	19.38	19.33	19.38	19.38		
15	64QAM	75	0	19.32	19.32	19.4	19.4		
15	256QAM	1	0	17.33	17.21	17.16	17.16	19	4.5
15	256QAM	1	37	17.24	17.19	17.11	17.11		
15	256QAM	1	74	17.15	17.11	17.11	17.11		
15	256QAM	36	0	17.34	17.39	17.41	17.41	19	4.5
15	256QAM	36	20	17.24	17.28	17.38	17.38		
15	256QAM	36	21	17.32	17.23	17.33	17.33		
15	256QAM	75	0	17.35	17.17	17.37	17.37		
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.96	21.98	21.78	21.78	23.5	0
10	QPSK	1	25	21.89	21.9	21.89	21.89		
10	QPSK	1	49	21.98	21.93	21.84	21.84		
10	QPSK	25	0	21.47	21.28	21.44	21.44	23	0.5
10	QPSK	25	12	21.41	21.28	21.33	21.33		
10	QPSK	25	24	21.39	21.34	21.43	21.43		
10	QPSK	50	0	21.28	21.32	21.35	21.35		
10	16QAM	1	0	21.33	21.37	21.33	21.33	23	0.5
10	16QAM	1	49	21.49	21.43	21.41	21.41		
10	16QAM	25	0	20.41	20.39	20.36	20.36	22	1.5
10	16QAM	25	12	20.3	20.29	20.34	20.34		
10	16QAM	25	24	20.35	20.29	20.31	20.31		
10	16QAM	50	0	20.51	20.46	20.51	20.51	22	1.5
10	64QAM	1	25	20.46	20.41	20.53	20.53		
10	64QAM	25	0	19.38	19.34	19.38	19.38	21	2.5
10	64QAM	25	12	19.28	19.2	19.22	19.22		
10	64QAM	25	24	19.3	19.24	19.4	19.4		
10	64QAM	50	0	19.41	19.31	19.53	19.53		
10	256QAM	1	0	17.32	17.39	17.13	17.13	19	4.5
10	256QAM	1	49	17.15	17.13	17.19	17.19		
10	256QAM	25	0	17.28	17.37	17.41	17.41		
10	256QAM	25	12	17.24	17.22	17.28	17.28	19	4.5
10	256QAM	25	24	17.24	17.15	17.26	17.26		
10	256QAM	50	0	17.28	17.29	17.24	17.24		
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.98	21.91	21.89	21.89	23.5	0
5	QPSK	1	14	21.84	21.88	21.8	21.8		
5	QPSK	1	28	21.97	21.86	21.85	21.85		
5	QPSK	12	0	21.43	21.37	21.35	21.35	23	0.5
5	QPSK	12	7	21.35	21.27	21.31	21.31		
5	QPSK	12	13	21.26	21.1	21.42	21.42		
5	QPSK	25	0	21.38	21.36	21.25	21.25		
5	16QAM	1	0	21.41	21.39	21.41	21.41	23	0.5
5	16QAM	1	14	21.5	21.44	21.53	21.53		
5	16QAM	1	28	21.51	21.47	21.3	21.3		
5	16QAM	12	0	20.38	20.41	20.37	20.37	22	1.5
5	16QAM	12	7	20.36	20.27	20.33	20.33		
5	16QAM	12	13	20.37	20.39	20.44	20.44		
5	16QAM	25	0	20.27	20.29	20.3	20.3		
5	16QAM	25	0	20.36	20.49	20.55	20.55	22	1.5
5	64QAM	1	12	20.49	20.43	20.44	20.44		
5	64QAM	12	7	19.35	19.28	19.31	19.31	21	2.5
5	64QAM	12	13	19.37	19.31	19.34	19.34		
5	64QAM	25	0	19.43	19.37	19.43	19.43		
5	256QAM	1	0	17.34	17.26	17.11	17.11	19	4.5
5	256QAM	1	14	17.12	17.15	17.25	17.25		
5	256QAM	12	0	17.28	17.25	17.44	17.44		
5	256QAM	12	7	17.23	17.25	17.34	17.34		
5	256QAM	12	13	17.22	17.31	17.16	17.16		
5	256QAM	25	0	17.37	17.16	17.36	17.36		

Band 7_Ant 3_Other PA

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.20	16.11	16.25	16.25	17.5	0
20	QPSK	1	49	16.14	16.07	16.12	16.12		
20	QPSK	1	99	16.14	16.12	16.08	16.08		
20	QPSK	50	0	16.10	16.09	16.20	16.20		
20	QPSK	50	24	16.06	16.04	16.16	16.16	17.5	0
20	QPSK	50	50	16.02	16.11	16.12	16.12		
20	QPSK	100	0	16.16	16.13	16.16	16.16		
20	16QAM	1	0	16.13	16.21	16.19	16.19	17.5	0
20	16QAM	1	49	16.20	16.22	16.23	16.23		
20	16QAM	1	99	16.18	16.19	16.16	16.16		
20	16QAM	50	0	16.18	16.15	16.07	16.07		
20	16QAM	50	24	16.06	16.07	16.06	16.06	17.5	0
20	16QAM	50	50	16.16	16.01	16.13	16.13		
20	16QAM	100	0	16.12	16.15	16.08	16.08		
20	64QAM	1	0	16.12	16.15	16.16	16.16	17.5	0
20	64QAM	1	49	16.19	16.16	16.14	16.14		
20	64QAM	1	99	16.15	16.13	16.14	16.14		
20	64QAM	50	0	16.07	16.07	16.19	16.19		
20	64QAM	50	24	16.03	16.06	16.01	16.01	17.5	0
20	64QAM	50	50	16.10	16.04	16.14	16.14		
20	64QAM	100	0	16.04	16.03	16.16	16.16		
20	256QAM	1	0	15.85	15.81	16.04	16.04	17.5	0
20	256QAM	1	49	16.04	15.92	15.93	15.93		
20	256QAM	1	99	15.91	15.92	15.91	15.91		
20	256QAM	50	0	16.04	16.08	16.07	16.07		
20	256QAM	50	24	16.17	16.07	16.14	16.14	17.5	0
20	256QAM	50	50	16.07	16.07	16.14	16.14		
20	256QAM	100	0	15.90	15.99	16.06	16.06		
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.13	16.04	16.20	16.20	17.5	0
15	QPSK	1	37	16.03	16.04	16.15	16.15		
15	QPSK	1	74	16.07	16.08	16.09	16.09	17.5	0
15	QPSK	1	111	16.07	16.07	16.01	16.01		
15	QPSK	36	20	15.93	15.94	16.04	16.04		
15	QPSK	36	59	15.96	15.98	16.04	16.04		
15	QPSK	36	92	15.94	15.94	16.04	16.04		
15	16QAM	1	0	16.09	16.16	16.16	16.16	17.5	0
15	16QAM	1	37	16.07	16.11	16.14	16.14		
15	16QAM	1	74	16.13	16.13	16.11	16.11		
15	16QAM	36	0	16.14	16.13	15.95	15.95		
15	16QAM	36	20	15.95	15.94	16.04	16.04		
15	16QAM	36	59	15.94	15.94	16.04	16.04		
15	16QAM	36	92	16.08	16.04	16.05	16.05		
15	16QAM	75	0	16.01	16.04	16.09	16.09	17.5	0
15	16QAM	75	37	16.03	16.02	16.04	16.04		
15	16QAM	75	74	16.02	16.01	16.06	16.06		
15	16QAM	36	0	16.01	15.96	16.11	16.11		
15	16QAM	36	20	15.96	15.96	16.06	16.06		
15	16QAM	36	59	16.04	15.95	16.03	16.03	17.5	0
15	16QAM	75	0	15.94	16	16.14	16.14		
15	256QAM	1	37	15.84	15.86	16.02	16.02		
15	256QAM	1	74	15.79	15.80	15.92	15.92		
15	256QAM	1	111	15.79	15.80	15.82	15.82		
15	256QAM	36	20	16.09	16.05	15.91	15.91		
15	256QAM	36	59	16.06	16.06	16.04	16.04		
15	256QAM	36	92	15.94	15.94	16.04	16.04		
15	256QAM	75	0	15.97	15.93	16.09	16.09	17.5	0
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.13	16.04	16.20	16.20	17.5	0
20	QPSK	1	25	16.02	15.96	16.07	16.07		
20	QPSK	1	49	15.96	16.09	16	16		
20	QPSK	1	74	16.03	16.06	16.15	16.15	17.5	0
20	QPSK	25	12	15.99	16.01	16.1	16.1		
20	QPSK	25	25	15.93	16.03	16.07	16.07		
20	QPSK	25	38	16	16.11	16.11	16.11		
20	16QAM	1	0	16	16.16	16.16	16.16	17.5	0
20	16QAM	1	25	16.08	16.13	16.19	16.19		
20	16QAM	1	49	16.08	16.12	16.12	16.12		
20	16QAM	25	0	16.07	16.03	16.04	16.04		
20	16QAM	25	12	15.94	15.94	16.03	16.03		
20	16QAM	25	25	16.06	16.06	16.06	16.06		
20	16QAM	50	0	16.06	16.08	16.08	16.08		
20	16QAM	1	0	16.01	16.12	16.12	16.12	17.5	0
20	16QAM	1	25	16.03	16.07	16.12	16.12		
20	16QAM	1	49	16.07	16.16	16.16	16.16		
20	16QAM	25	0	16.02	16.06	16.06	16.06		
20	16QAM	25	12	16.03	16.01	16.08	16.08	17.5	0
20	16QAM	25	25	16.06	16.01	16.08	16.08		
20	16QAM	50	0	15.87	15.99	16.06	16.06		
20	16QAM	1	25	15.88	16.09	16.16	16.16	17.5	0
20	16QAM	1	49	16.07	16.19	16.11	16.11		
20	16QAM	25	0	16.07	16.03	16.04	16.04		
20	16QAM	25	12	15.94	15.94	16.03	16.03		
20	16QAM	25	25	16.03	16.03	16.04	16.04		
20	16QAM	50	0	16.11	16.13	16.01	16.01	17.5	0
20	16QAM	1	12	16.15	16.17	16.13	16.13		
20	16QAM	1	25	16.09	16.15	16.16	16.16		
20	16QAM	1	49	16.16	16.16	16.16	16.16		
20	16QAM	1	74	16.13	16.13	16.15	16.15		
20	16QAM	1	99	16.11	16.13	16.01	16.01		
20	16QAM	25	0	16.04	16.11	16.08	16.08	17.5	0
20	16QAM	25	12	16.05	16.05	16.04	16.04		
20	16QAM	25	25	16.02	16.02	16.03	16.03		
20	16QAM	50	0	16.03	16.06	16.03	16.03		
20	16QAM	1	24	16.03	16.06	16.03	16.03	17.5	0
20	16QAM	1	49	16.01	16.11	16.13	16.13		
20	16QAM	1	74	16.03	16.03	16.07	16.07		
20	16QAM	1	99	16.03	16.03	16.04	16.04		
20	16QAM	25	0	15.97	15.91	16.07	16.07		
20	16QAM	25	12	15.93	15.88	16.04	16.04	17.5	0
20	16QAM	25	25	15.97	15.95	16.06	16.06		
20	16QAM	50	0	15.97	15.95	16.06	16.06		
20	16QAM	1	12	16.07	16.07	16.02	16.02	17.5	0
20	16QAM	1	24	16.09	16.09	16	16		
20	16QAM	1	49	16.16	16.16	16.16	16.16		
20	16QAM	1	74	16.13	16.13	16.15	16.15		
20	16QAM	1	99	16.11	16.13	16.01	16.01	17.5	0
20	16QAM	25	0	16.04	16.11	16.08	16.08		
20	16QAM	25	12	16.05	16.05	16.04	16.04		
20	16QAM	25	25	16.02	16.02	16.03	16.03		
20	16QAM	50	0	16.11	16.10	16.07	16.07	17.5	0
20	16QAM	1	12	16.15	16.17	16.13	16.13		
20	16QAM	1	24	16.09	16.09	16	16		
20	16QAM	1	49	16.16	16.16	16.16	16.16		
20	16QAM	1	74	16.13	16.13	16.15	16.15		
20	16QAM	1	99	16.11	16.13	16.01	16.01	17.5	0
20	16QAM	25	0	16.04	16.11	16.08	16.08		
20	16QAM	25	12	16.05	16.05	16.04	16.04		
20	16QAM	25	25	16.02	16.02	16.03	16.03		
20	16QAM	50	0	16.11	16.10	16.07	16.07	17.5	0
20	16QAM	1	12	16.15	16.17	16.13	16.13		
20	16QAM	1	24	16.09	16.09	16	16		
20	16QAM	1	49	16.16	16.16	16.16	16.16		
20	16QAM	1	74	16.13	16.13	16.15	16.15		
20	16QAM	1	99	16.11	16.13	16.01	16.01	17.5	0
20	16QAM	25	0	16.04	16.11	16.08	16.08		
20	16QAM	25	12	16.05	16.05	16.04	16.04		
20	16QAM	25	25	16.02	16.02	16.03	16.03		
20	16QAM	50	0	16.11	16.10	16.07	16.07	17.5	0
20	16QAM	1	12	16.15	16.17	16.13	16.13		
20	16QAM	1	24	16.09	16.09	16	16		
20	16QAM	1	49	16.16	16.16	16.16	16.16		
20	16QAM	1	74	16.13	16.13	16.15	16.15		
20	16QAM	1	99	16.11	16.13	16.01	16.01	17.5	0
20	16QAM	25	0	16.04	16.11	16.08	16.08		
20	16QAM	25	12	16.05	16.05	16.04	16.04		
20	16QAM	25	25	16.02	16.02	16.03	16.03		
20	16QAM	50	0	16.11	16.10	16.07	16.07	17.5	0
20	16QAM	1	12	16.15	16.17	16.13	16.13		
20	16QAM	1	24	16.09	16.09	16	16		
20	16QAM	1	49	16.16	16.16	16.16	16.16		
20	16QAM	1	74	16.13	16.13	16.15	16.15		
20	16QAM	1	99	16.11	16.13	16.01	16.01	17.5	0
20	16QAM	25	0	16.04	16.11	16.08	16.08		
20	16QAM	25	12	16.05	16.05	16.04	16.04		
20	16QAM	25	25	16.02	16.02	16.03	16.03		
20	16QAM	50	0	16.11	16.10	16.07	16.07	17.5	0
20	16QAM	1	12	16.15	16.17	16.13	16.13		
20	16QAM	1	24	16.09	16.09	16	16		
20	16QAM	1	49	16.16	16.16	16.16	16		



Band 66_Ant 2_Other PA									
BW (MHz)	Modulation	RB Size	RB Offset	Power / Low Ch / Freq (dBm)	Power / High Ch / Freq (dBm)	Power / Low Ch / Freq (dBm)	Power / High Ch / Freq (dBm)	Turn-up limit (dBm)	MPE (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.36	21.42	21.33			
20	QPSK	1	49	21.32	21.37	21.37		23	0
20	QPSK	1	99	21.36	21.37	21.36			
20	QPSK	50	0	20.72	20.84	20.81		22.5	0.5
20	QPSK	50	24	20.77	20.82	20.83			
20	QPSK	50	50	20.71	20.79	20.8			
20	QPSK	100	0	20.77	20.81	20.78		22.5	0.5
20	16QAM	1	0	20.94	20.91	21			
20	16QAM	1	49	20.9	20.92	20.9		22.5	0.5
20	16QAM	1	99	20.9	20.88	20.9			
20	16QAM	50	0	19.83	19.81	19.86		21.5	1.5
20	16QAM	50	24	19.84	19.84	19.85			
20	16QAM	50	50	19.91	19.82	19.8			
20	16QAM	100	0	19.92	19.82	19.86		21.5	1.5
20	64QAM	1	0	19.94	19.97	19.94			
20	64QAM	1	49	19.91	19.87	19.9		21.5	1.5
20	64QAM	1	99	19.78	19.82	19.9			
20	64QAM	50	0	18.76	18.81	18.81		20.5	2.5
20	64QAM	50	24	18.77	18.79	18.86			
20	64QAM	50	50	18.83	18.8	18.83			
20	64QAM	100	0	18.88	18.81	18.91		20.5	2.5
20	256QAM	1	0	18.73	18.73	18.83			
20	256QAM	1	49	18.68	18.69	18.74		18.5	4.5
20	256QAM	1	99	18.65	18.68	18.72			
20	256QAM	50	0	18.91	18.82	18.79		18.5	4.5
20	256QAM	50	24	18.89	18.73	18.72			
20	256QAM	50	50	18.83	18.82	18.83			
20	256QAM	100	0	18.91	18.84	18.93			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.35	21.39	21.28			
15	QPSK	1	37	21.32	21.23	21.35		23	0
15	QPSK	1	74	21.35	21.28	21.39			
15	QPSK	36	0	20.65	20.8	20.78		22.5	0.5
15	QPSK	36	20	20.66	20.87	20.72			
15	QPSK	36	36	20.67	20.75	20.74			
15	QPSK	75	0	20.72	20.68	20.72		22.5	0.5
15	16QAM	1	0	20.82	20.86	20.86			
15	16QAM	1	37	20.79	20.89	20.81		22.5	0.5
15	16QAM	1	74	20.77	20.84	20.9			
15	16QAM	36	0	19.81	19.86	19.73		21.5	1.5
15	16QAM	36	20	19.71	19.84	19.75			
15	16QAM	36	36	19.79	19.7	19.7			
15	16QAM	75	0	19.83	19.7	19.75		21.5	1.5
15	64QAM	1	0	19.82	19.79	19.7			
15	64QAM	1	37	19.75	19.82	19.86		21.5	1.5
15	64QAM	1	74	19.67	19.8	19.8			
15	64QAM	36	0	18.81	18.74	18.73		20.5	2.5
15	64QAM	36	20	18.72	18.78	18.78			
15	64QAM	36	36	18.82	18.77	18.81			
15	256QAM	1	0	18.73	18.67	18.73		18.5	4.5
15	256QAM	1	37	18.57	18.68	18.69			
15	256QAM	1	74	18.54	18.68	18.64			
15	256QAM	36	0	18.84	18.79	18.75		18.5	4.5
15	256QAM	36	20	18.78	18.79	18.61			
15	256QAM	36	36	18.68	18.72	18.77			
15	256QAM	75	0	18.91	18.78	18.81			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.28	21.3	21.31			
10	QPSK	1	25	21.32	21.32	21.25		23	0
10	QPSK	1	49	21.25	21.31	21.29			
10	QPSK	25	0	20.65	20.8	20.77		22.5	0.5
10	QPSK	25	12	20.63	20.74	20.69			
10	QPSK	25	25	20.69	20.68	20.69			
10	QPSK	50	0	20.67	20.72	20.78		22.5	0.5
10	16QAM	1	0	20.81	20.83	20.86			
10	16QAM	1	25	20.77	20.77	20.77		22.5	0.5
10	16QAM	1	49	20.88	20.87	20.87			
10	16QAM	25	0	19.7	19.67	19.7		21.5	1.5
10	16QAM	25	12	19.84	19.78	19.8			
10	16QAM	25	25	19.88	19.78	19.89			
10	16QAM	50	0	19.82	19.86	19.84		21.5	1.5
10	64QAM	1	0	19.89	19.8	19.8			
10	64QAM	1	25	19.79	19.79	19.84		21.5	1.5
10	64QAM	1	49	19.73	19.78	19.78			
10	64QAM	25	0	18.73	18.78	18.89		20.5	2.5
10	64QAM	25	12	18.83	18.77	18.82			
10	64QAM	25	25	18.78	18.79	18.83			
10	64QAM	50	0	18.85	19.09	19.77			
10	256QAM	1	0	18.69	18.63	18.68		18.5	4.5
10	256QAM	1	25	18.62	18.68	18.69			
10	256QAM	1	49	18.51	18.63	18.65			
10	256QAM	25	0	18.84	18.78	18.66		18.5	4.5
10	256QAM	25	12	18.77	18.74	18.71			
10	256QAM	25	25	18.75	18.73	18.69			
10	256QAM	50	0	18.83	18.66	18.76			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.28	21.34	21.28			
5	QPSK	1	12	21.28	21.36	21.28		23	0
5	QPSK	1	24	21.35	21.25	21.34			
5	QPSK	12	0	20.67	20.82	20.81		22.5	0.5
5	QPSK	12	7	20.72	20.71	20.8			
5	QPSK	12	13	20.68	20.84	20.75			
5	QPSK	25	0	20.75	20.79	20.84		22.5	0.5
5	16QAM	1	0	20.83	20.79	20.87			
5	16QAM	1	12	20.77	20.83	20.79		22.5	0.5
5	16QAM	1	24	20.76	20.87	20.95			
5	16QAM	12	0	19.7	19.69	19.73		21.5	1.5
5	16QAM	12	7	19.81	19.67	19.82			
5	16QAM	12	13	19.9	19.7	19.88			
5	64QAM	1	0	19.92	19.86	19.9		21.5	1.5
5	64QAM	1	12	19.9	19.85	19.84			
5	64QAM	1	24	19.68	19.68	19.68		20.5	2.5
5	64QAM	12	0	18.68	18.78	18.73			
5	64QAM	12	7	18.77	18.7	18.81		20.5	2.5
5	64QAM	12	13	18.7	18.7	18.76			
5	256QAM	1	0	18.69	18.64	18.77		18.5	4.5
5	256QAM	1	12	18.58	18.62	18.73			
5	256QAM	1	24	18.57	18.59	18.69			
5	256QAM	12	0	18.78	18.68	18.69		18.5	4.5
5	256QAM	12	7	18.72	18.69	18.67			
5	256QAM	12	13	18.77	18.81	18.82			
5	256QAM	25	0	18.77	18.81	18.85			
Channel									
Frequency (MHz)									
3	QPSK	1	0	21.28	21.39	21.18			
3	QPSK	1	8	21.38	21.34	21.28		23	0
3	QPSK	1	14	21.29	21.32	21.23			
3	QPSK	8	0	20.68	20.7	20.69		22.5	0.5
3	QPSK	8	4	20.73	20.68	20.78			
3	QPSK	8	7	20.63	20.74	20.72			
3	QPSK	15	0	20.71	20.69	20.64		22.5	0.5
3	16QAM	1	0	20.86	20.8	20.89			
3	16QAM	1	8	20.76	20.79	20.89		22.5	0.5
3	16QAM	1	14	20.83	20.81	20.92			
3	16QAM	8	0	19.76	19.71	19.85		21.5	1.5
3	16QAM	8	4	19.7	19.75	19.86			
3	16QAM	8	7	19.78	19.72	19.67			
3	16QAM	15	0	19.81	19.73	19.79		21.5	1.5
3	64QAM	1	0	19.87	19.86	19.89			
3	64QAM	1	8	19.78	19.8	19.87		21.5	1.5
3	64QAM	1	14	19.78	19.69	19.79			
3	64QAM	8	0	18.64	18.73	18.78		20.5	2.5
3	64QAM	8	4	18.68	18.72	18.79			
3	64QAM	8	7	18.72	18.67	18.8			
3	64QAM	15	0	18.75	18.7	18.89		18.5	4.5
3	256QAM	1	0	18.73	18.65	18.79			
3	256QAM	1	8	18.63	18.54	18.69			
3	256QAM	1	14	18.59	18.57	18.63			
3	256QAM	8	0	18.77	18.67	18.61		18.5	4.5
3	256QAM	8	4	18.79	18.64	18.65			
3	256QAM	8	7	18.72	18.78	18.75			
3	256QAM	15	0	18.77	18.77	18.83			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.23	21.37	21.14			
1.4	QPSK	1	3	21.17	21.32	21.13		23	0
1.4	QPSK	1	5	21.29	21.26	21.17			
1.4	QPSK	3	0	21.19	21.28	21.06			
1.4	QPSK	3	3	21.23	21.28	21.08			
1.4	QPSK	3	5	21.14	21.25	21.12			
1.4	QPSK	3	8	21.26	21.25	21.21		22	1
1.4	QPSK	3	11	21.25	21.26	21.21			
1.4	QPSK	6	0	20.6	20.61	20.57		22	1
1.4	16QAM	1	0	20.84	20.68	20.68			
1.4	16QAM	1	3	20.88	20.68	20.68			
1.4	16QAM	1	5	20.75	20.76	20.84			
1.4	16QAM	3	0	20.64	20.64	20.84		22	1
1.4	16QAM	3	3	20.67	20.67	20.81			
1.4	16QAM	3	5	20.67	20.67	20.81			
1.4	16QAM	6	0	19.64	19.8	19.72		21	2
1.4	16QAM	6	3	19.69	19.65	19.76			
1.4	16QAM	6	5	19.72	19.72	19.81			
1.4	16QAM	6	8	19.8	19.65	19.8		21	2
1.4									



Reduced Power for D811

Band 4_Ant 0_Other PA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq (dBm)	Power Ch / Freq (dBm)	Power Ch / Freq (dBm)	Power Ch / Freq (dBm)	Turn-up Int. (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.48	22.44	22.44			
20	QPSK	1	49	22.41	22.38	22.41			
20	QPSK	1	98	22.37	22.36	22.36			
20	QPSK	50	0	22.45	22.33	22.34			
20	QPSK	50	24	22.36	22.23	22.32			
20	QPSK	50	50	22.34	22.43	22.43			
20	QPSK	100	0	22.39	22.28	22.33			
20	16QAM	1	0	22.35	22.44	22.44			
20	16QAM	1	49	22.40	22.38	22.38			
20	16QAM	1	99	22.43	22.48	22.44			
20	16QAM	50	0	21.27	21.23	21.28			
20	16QAM	50	24	21.61	21.29	21.34			
20	16QAM	50	50	21.42	21.35	21.48			
20	16QAM	100	0	21.40	21.34	21.38			
20	64QAM	1	0	21.55	21.32	21.37			
20	64QAM	1	49	21.52	21.38	21.45			
20	64QAM	1	99	21.31	21.33	21.35			
20	64QAM	50	0	20.40	20.28	20.43			
20	64QAM	50	24	20.35	20.32	20.42			
20	64QAM	50	50	20.50	20.47	20.47			
20	64QAM	100	0	20.29	20.34	20.39			
20	256QAM	1	0	18.31	18.21	18.23			
20	256QAM	1	49	18.44	18.30	18.32			
20	256QAM	1	99	18.33	18.32	18.35			
20	256QAM	50	0	18.35	18.33	18.27			
20	256QAM	50	24	18.48	18.29	18.37			
20	256QAM	50	50	18.45	18.38	18.42			
20	256QAM	100	0	18.48	18.33	18.37			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.40	22.41	22.40			
15	QPSK	1	37	22.35	22.27	22.34			
15	QPSK	1	74	22.35	22.43	22.39			
15	QPSK	36	0	22.38	22.27	22.24			
15	QPSK	36	20	22.31	22.18	22.20			
15	QPSK	36	36	22.32	22.37	22.34			
15	QPSK	75	0	22.36	22.25	22.29			
15	16QAM	1	0	22.28	22.31	22.33			
15	16QAM	1	37	22.27	22.34	22.31			
15	16QAM	1	74	22.28	22.36	22.31			
15	16QAM	36	0	21.21	21.12	21.22			
15	16QAM	36	20	21.27	21.14	21.25			
15	16QAM	36	36	21.35	21.33	21.36			
15	16QAM	75	0	21.31	21.27	21.32			
15	16QAM	75	20	21.49	21.31	21.31			
15	64QAM	1	0	21.46	21.33	21.38			
15	64QAM	1	37	21.20	21.28	21.28			
15	64QAM	1	74	20.27	20.25	20.31			
15	64QAM	36	20	20.32	20.30	20.39			
15	64QAM	36	36	20.41	20.38	20.45			
15	64QAM	75	0	20.22	20.33	20.39			
15	256QAM	1	0	18.23	18.08	18.11			
15	256QAM	1	37	18.35	18.25	18.28			
15	256QAM	1	74	18.28	18.27	18.15			
15	256QAM	36	0	18.25	18.27	18.22			
15	256QAM	36	20	18.48	18.25	18.35			
15	256QAM	36	36	18.39	18.31	18.45			
15	256QAM	75	0	18.39	18.25	18.38			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.46	22.38	22.38			
10	QPSK	1	25	22.35	22.28	22.28			
10	QPSK	1	49	22.32	22.28	22.30			
10	QPSK	25	0	22.42	22.27	22.31			
10	QPSK	25	12	22.28	22.16	22.25			
10	QPSK	25	25	22.28	22.32	22.34			
10	QPSK	50	0	22.34	22.18	22.23			
10	16QAM	1	0	22.27	22.34	22.27			
10	16QAM	1	25	22.29	22.34	22.41			
10	16QAM	1	49	22.33	22.40	22.38			
10	16QAM	25	0	21.18	21.12	21.17			
10	16QAM	25	12	21.37	21.20	21.32			
10	16QAM	25	25	21.33	21.31	21.48			
10	16QAM	50	0	21.48	21.29	21.36			
10	16QAM	50	25	21.48	21.27	21.38			
10	64QAM	1	0	21.40	21.35	21.38			
10	64QAM	1	25	20.27	20.28	20.40			
10	64QAM	25	12	20.31	20.21	20.38			
10	64QAM	25	25	20.44	20.38	20.45			
10	64QAM	50	0	20.23	20.30	20.28			
10	256QAM	1	0	18.28	18.12	18.10			
10	256QAM	1	25	18.38	18.24	18.21			
10	256QAM	1	49	18.25	18.20	18.24			
10	256QAM	25	0	18.25	18.27	18.17			
10	256QAM	25	12	18.35	18.20	18.25			
10	256QAM	25	25	18.33	18.34	18.44			
10	256QAM	50	0	18.46	18.29	18.25			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.46	22.39	22.38			
5	QPSK	1	12	22.32	22.30	22.37			
5	QPSK	1	24	22.32	22.38	22.35			
5	QPSK	12	0	22.34	22.29	22.28			
5	QPSK	12	7	22.24	22.19	22.26			
5	QPSK	12	13	22.29	22.40	22.35			
5	QPSK	25	0	22.34	22.20	22.24			
5	16QAM	1	0	22.33	22.40	22.37			
5	16QAM	1	12	22.33	22.35	22.37			
5	16QAM	1	24	22.37	22.33	22.31			
5	16QAM	12	7	21.32	21.17	21.32			
5	16QAM	12	13	21.36	21.28	21.42			
5	16QAM	25	0	21.30	21.39	21.39			
5	16QAM	1	0	21.49	21.28	21.28			
5	64QAM	1	12	21.44	21.38	21.39			
5	64QAM	1	24	20.28	20.28	20.38			
5	64QAM	12	0	20.31	20.22	20.34			
5	64QAM	12	7	20.23	20.20	20.39			
5	64QAM	12	13	20.42	20.34	20.43			
5	64QAM	25	0	20.23	20.31	20.38			
5	256QAM	1	0	18.21	18.09	18.20			
5	256QAM	1	12	18.37	18.25	18.28			
5	256QAM	1	24	18.22	18.30	18.20			
5	256QAM	12	0	18.26	18.21	18.24			
5	256QAM	12	7	18.43	18.17	18.25			
5	256QAM	12	13	18.43	18.23	18.35			
5	256QAM	25	0	18.42	18.28	18.24			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.40	22.39	22.37			
3	QPSK	1	8	22.38	22.38	22.37			
3	QPSK	1	14	22.24	22.31	22.35			
3	QPSK	8	0	22.39	22.25	22.28			
3	QPSK	8	7	22.27	22.13	22.22			
3	QPSK	8	7	22.28	22.32	22.37			
3	QPSK	15	0	22.31	22.16	22.24			
3	16QAM	1	0	22.30	22.35	22.34			
3	16QAM	1	8	22.38	22.35	22.36			
3	16QAM	1	14	22.41	22.44	22.39			
3	16QAM	8	0	21.22	21.11	21.23			
3	16QAM	8	4	21.29	21.17	21.22			
3	16QAM	8	7	21.35	21.29	21.42			
3	16QAM	15	0	21.38	21.24	21.38			
3	16QAM	1	0	21.46	21.28	21.24			
3	16QAM	1	8	21.43	21.25	21.43			
3	16QAM	1	14	21.27	21.22	21.29			
3	16QAM	8	0	20.32	20.27	20.41			
3	16QAM	8	4	20.29	20.22	20.31			
3	16QAM	8	7	20.44	20.38	20.45			
3	16QAM	15	0	20.18	20.27	20.34			
3	256QAM	1	0	18.27	18.15	18.20			
3	256QAM	1	8	18.31	18.19	18.25			
3	256QAM	1	14	18.23	18.25	18.17			
3	256QAM	8	0	18.27	18.30	18.22			
3	256QAM	8	4	18.40	18.23	18.25			
3	256QAM	8	7	18.33	18.34	18.44			
3	256QAM	15	0	18.46	18.30	18.25			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.40	22.39	22.41			
1.4	QPSK	1	5	22.34	22.27	22.38			
1.4	QPSK	1	5	22.26	22.28	22.34			
1.4	QPSK	3	0	22.42	22.22	22.30			
1.4	QPSK	3	3	22.23	22.30	22.34			
1.4	QPSK	3	3	22.24	22.30	22.34			
1.4	QPSK	6	0	22.28	22.21	22.27			
1.4	QPSK	6	3	22.23	22.41	22.41			
1.4	16QAM	1	0	22.38	22.31	22.33			
1.4	16QAM	1	5	22.33	22.35	22.35			
1.4	16QAM	1	5	22.21	22.45	22.45			
1.4	16QAM	3	0	22.43	22.26	22.28			
1.4	16QAM	3	3	22.28	22.31	22.33			
1.4	16QAM	3	3	22.29	22.35	22.39			
1.4	16QAM	6	0	21.34	21.22	21.30			
1.4	16QAM	6	0	21.30	21.30	21.27			
1.4	16QAM	6	3	21.32	21.32	21.43			
1.4	16QAM	6	3	21.21	21.30	21.30			
1.4	16QAM	6	3	21.47	21.30	21.28			
1.4	16QAM	6	3	21.38	21.29	21.43			
1.4	16QAM	6	3	21.22	21.22	21.23			
1.4	16QAM	6	3	20.27	20.32	20.39			
1.4	16QAM	6	3	18.15	18.15	18.18			
1.4	256QAM	3	0	18.42	18.26	18.20	</		



Band 66_Ant 1_Other PA										
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.43	20.55	20.57				
20	QPSK	1	49	20.91	20.91	20.96				
20	QPSK	1	98	20.97	20.97	20.98				
20	QPSK	50	0	20.28	20.33	20.40				
20	QPSK	50	24	20.19	20.25	20.45				
20	QPSK	50	50	20.26	20.30	20.50				
20	QPSK	100	0	20.40	20.44	20.52				
20	16QAM	1	49	20.47	20.45	20.49				
20	16QAM	1	99	20.44	20.39	20.55				
20	16QAM	50	0	20.54	20.43	20.57				
20	16QAM	50	24	20.57	20.40	20.35				
20	16QAM	50	50	20.38	20.37	20.45				
20	16QAM	100	0	20.40	20.40	20.43				
20	64QAM	1	0	20.40	20.50	20.54				
20	64QAM	1	49	20.41	20.42	20.46				
20	64QAM	1	99	20.42	20.45	20.48				
20	64QAM	50	0	19.97	19.90	19.93				
20	64QAM	50	24	19.93	19.84	19.94				
20	64QAM	50	50	19.97	19.86	19.91				
20	64QAM	100	0	19.92	19.90	19.94				
20	256QAM	1	0	18.01	17.88	17.88				
20	256QAM	1	49	17.78	17.62	17.62				
20	256QAM	1	99	17.04	17.04	17.02				
20	256QAM	50	0	17.90	17.94	17.93				
20	256QAM	50	24	17.81	17.81	17.88				
20	256QAM	50	50	17.76	17.76	17.87				
20	256QAM	100	0	17.89	17.87	17.74				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.38	20.51	20.55				
15	QPSK	1	37	20.24	20.24	20.43				
15	QPSK	1	74	20.21	20.21	20.38				
15	QPSK	36	0	20.25	20.24	20.36				
15	QPSK	36	20	20.08	20.12	20.35				
15	QPSK	36	50	20.14	20.20	20.35				
15	QPSK	75	0	20.16	20.20	20.28				
15	QPSK	1	0	20.37	20.37	20.45				
15	16QAM	1	20	20.45	20.33	20.45				
15	16QAM	1	74	20.35	20.32	20.44				
15	16QAM	36	0	20.42	20.40	20.45				
15	16QAM	36	20	20.27	20.32	20.39				
15	16QAM	36	50	20.31	20.32	20.42				
15	16QAM	75	0	20.28	20.31	20.35				
15	64QAM	1	0	20.40	20.43	20.49				
15	64QAM	1	37	20.31	20.31	20.39				
15	64QAM	1	74	20.32	20.35	20.41				
15	64QAM	36	0	19.95	19.85	19.95				
15	64QAM	36	20	19.84	19.82	19.86				
15	64QAM	36	50	19.80	19.79	19.72				
15	256QAM	1	0	17.95	17.84	17.83				
15	256QAM	1	37	17.85	17.75	17.80				
15	256QAM	1	74	17.84	17.68	17.69				
15	256QAM	36	0	17.79	17.85	17.91				
15	256QAM	36	20	17.76	17.80	17.89				
15	256QAM	36	50	17.74	17.68	17.76				
15	256QAM	75	0	17.78	17.75	17.88				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.41	20.48	20.52				
10	QPSK	1	25	20.26	20.26	20.34				
10	QPSK	1	49	20.18	20.44	20.38				
10	QPSK	26	0	20.20	20.31	20.44				
10	QPSK	26	12	20.12	20.19	20.41				
10	QPSK	26	24	20.08	20.39	20.15				
10	QPSK	50	0	20.15	20.21	20.28				
10	16QAM	1	0	20.29	20.31	20.50				
10	16QAM	1	25	20.35	20.42	20.44				
10	16QAM	1	49	20.38	20.30	20.44				
10	16QAM	26	0	20.50	20.39	20.52				
10	16QAM	26	12	20.27	20.34	20.38				
10	16QAM	26	24	20.28	20.20	20.39				
10	16QAM	50	0	20.36	20.36	20.42				
10	64QAM	1	0	20.42	20.44	20.44				
10	64QAM	1	25	20.31	20.32	20.43				
10	64QAM	1	49	20.33	20.42	20.43				
10	64QAM	26	0	19.86	19.86	19.89				
10	64QAM	26	12	19.87	19.75	19.90				
10	64QAM	26	24	19.85	19.85	19.79				
10	256QAM	1	0	17.97	17.83	17.77				
10	256QAM	1	25	17.86	17.78	17.88				
10	256QAM	1	49	17.83	17.74	17.84				
10	256QAM	26	0	17.81	17.84	17.84				
10	256QAM	26	12	17.74	17.74	17.80				
10	256QAM	26	24	17.65	17.65	17.70				
10	256QAM	50	0	17.83	17.78	17.76				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.39	20.49	20.54				
5	QPSK	1	12	20.23	20.29	20.37				
5	QPSK	1	24	20.25	20.51	20.42				
5	QPSK	12	0	20.24	20.25	20.41				
5	QPSK	12	7	20.08	20.19	20.42				
5	QPSK	12	13	20.08	20.46	20.16				
5	QPSK	26	0	20.24	20.20	20.24				
5	16QAM	1	0	20.37	20.40	20.43				
5	16QAM	1	12	20.34	20.40	20.42				
5	16QAM	1	24	20.34	20.26	20.47				
5	16QAM	12	0	20.45	20.26	20.34				
5	16QAM	12	7	20.29	20.36	20.30				
5	16QAM	12	13	20.26	20.33	20.36				
5	16QAM	26	0	20.36	20.36	20.42				
5	64QAM	1	0	20.42	20.40	20.41				
5	64QAM	1	12	20.37	20.36	20.37				
5	64QAM	1	24	20.34	20.36	20.40				
5	64QAM	12	0	19.89	19.79	19.84				
5	64QAM	12	7	19.86	19.74	19.88				
5	64QAM	12	13	19.82	19.81	19.77				
5	64QAM	26	0	19.83	19.81	19.77				
5	256QAM	1	0	17.96	17.79	17.80				
5	256QAM	1	12	17.76	17.67	17.76				
5	256QAM	1	24	17.62	17.65	17.69				
5	256QAM	12	0	17.81	17.85	17.80				
5	256QAM	12	7	17.79	17.79	17.84				
5	256QAM	12	13	17.63	17.66	17.76				
5	256QAM	26	0	17.68	17.68	17.63				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.38	20.48	20.49				
1.4	QPSK	1	8	20.31	20.31	20.36				
1.4	QPSK	1	14	20.19	20.45	20.39				
1.4	QPSK	8	0	20.15	20.30	20.35				
1.4	QPSK	8	8	20.10	20.15	20.38				
1.4	QPSK	8	7	20.05	20.37	20.11				
1.4	QPSK	15	0	20.22	20.26	20.31				
1.4	16QAM	1	0	20.27	20.34	20.36				
1.4	16QAM	1	8	20.45	20.43	20.37				
1.4	16QAM	1	14	20.42	20.30	20.43				
1.4	16QAM	8	0	20.43	20.43	20.45				
1.4	16QAM	8	4	20.32	20.30	20.29				
1.4	16QAM	8	7	20.33	20.34	20.39				
1.4	16QAM	15	0	20.33	20.37	20.40				
1.4	64QAM	1	0	20.37	20.38	20.52				
1.4	64QAM	1	8	20.50	20.20	20.44				
1.4	64QAM	8	0	19.93	19.79	19.84				
1.4	64QAM	8	4	19.85	19.82	19.83				
1.4	64QAM	8	7	19.84	19.77	19.86				
1.4	64QAM	15	0	19.84	19.78	19.76				
1.4	256QAM	1	0	17.88	17.77	17.83				
1.4	256QAM	1	8	17.85	17.78	17.79				
1.4	256QAM	1	14	17.88	17.63	17.83				
1.4	256QAM	8	0	17.85	17.90	17.84				
1.4	256QAM	8	4	17.73	17.71	17.81				
1.4	256QAM	8	7	17.73	17.82	17.80				
1.4	256QAM	15	0	17.84	17.86	17.82				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.38	20.52	20.53				
1.4	QPSK	1	8	20.30	20.29	20.34				
1.4	QPSK	1	14	20.19	20.29	20.40				
1.4	QPSK	8	0	20.22	20.48	20.42				
1.4	QPSK	8	4	20.15	20.29	20.44				
1.4	QPSK	8	7	20.12	20.12	20.37				
1.4	QPSK	3	0	20.14	20.38	20.21				
1.4	QPSK	3	8	20.13	20.26	20.31				
1.4	QPSK	3	14	20.30	20.30	20.36				
1.4	16QAM	1	0	20.36	20.39	20.45				
1.4	16QAM	1	8	20.47	20.37	20.46				
1.4	16QAM	1	14	20.42	20.40	20.48				
1.4	16QAM	8	0	20.33	20.27	20.30				
1.4	16QAM	8	4	20.36	20.36	20.38				
1.4	16QAM	8	7	20.27	20.28	20.41				
1.4	64QAM	1	0	20.27	20.28	20.41				
1.4	64QAM	1	8	20.29	20.33	20.39				



Reduced Power for DS93

Band 4_Ant 0_Other PA

BW (MHz)	Modulation	RB Size	RB Offset	Power Mode Ch / Freqs	Power Mode Ch / Freqs	Power Mode Ch / Freqs	Power Mode Ch / Freqs	Time-up Init (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.48	22.48	22.44			
20	QPSK	1	49	22.41	22.35	22.41		24	0
20	QPSK	1	99	22.34	22.32	22.38			
20	QPSK	50	0	22.45	22.33	22.34			
20	QPSK	50	24	22.38	22.23	22.32		24	0
20	QPSK	50	49	22.34	22.42	22.42			
20	QPSK	100	0	22.38	22.29	22.33			
20	16QAM	1	0	22.35	22.44	22.43		24	0
20	16QAM	1	49	22.40	22.30	22.36			
20	16QAM	1	99	22.43	22.40	22.44			
20	16QAM	50	0	21.27	21.29	21.26			
20	16QAM	50	24	21.43	21.37	21.36		23	1
20	16QAM	50	49	21.42	21.38	21.46			
20	16QAM	100	0	21.40	21.34	21.38			
20	64QAM	1	0	21.52	21.40	21.37		23	1
20	64QAM	1	49	21.52	21.38	21.45			
20	64QAM	1	99	21.51	21.33	21.38			
20	64QAM	50	0	20.40	20.20	20.43			
20	64QAM	50	24	20.35	20.30	20.42		22	2
20	64QAM	50	49	20.50	20.47	20.47			
20	64QAM	100	0	20.29	20.34	20.36			
20	256QAM	1	0	18.31	18.21	18.23		20	4
20	256QAM	1	49	18.44	18.30	18.32			
20	256QAM	1	99	18.33	18.33	18.29			
20	256QAM	50	0	18.35	18.33	18.27			
20	256QAM	50	24	18.48	18.29	18.37		20	4
20	256QAM	50	49	18.45	18.36	18.48			
20	256QAM	100	0	18.48	18.33	18.37			
Channel									
Frequency (MHz)									
16	QPSK	1	0	22.40	22.41	22.40		24	0
16	QPSK	1	37	22.35	22.27	22.34			
16	QPSK	1	75	22.35	22.24	22.30			
16	QPSK	36	0	22.38	22.27	22.24			
16	QPSK	36	39	22.31	22.19	22.20		24	0
16	QPSK	36	75	22.32	22.20	22.24			
16	QPSK	75	0	22.38	22.29	22.29			
16	16QAM	1	0	22.28	22.31	22.33		24	0
16	16QAM	1	37	22.29	22.24	22.26			
16	16QAM	1	74	22.38	22.30	22.31			
16	16QAM	36	0	21.21	21.12	21.22			
16	16QAM	36	39	21.27	21.16	21.23		23	1
16	16QAM	36	75	21.35	21.30	21.36			
16	16QAM	75	0	21.31	21.27	21.32			
16	64QAM	1	0	21.40	21.36	21.38		23	1
16	64QAM	1	37	21.46	21.30	21.36			
16	64QAM	1	74	21.20	21.26	21.33			
16	64QAM	36	0	20.27	20.24	20.31		22	2
16	64QAM	36	39	20.31	20.30	20.40			
16	64QAM	36	75	20.41	20.36	20.46			
16	64QAM	75	0	20.25	20.28	20.30			
16	256QAM	1	0	18.23	18.06	18.11		20	4
16	256QAM	1	37	18.35	18.25	18.30			
16	256QAM	1	75	18.31	18.25	18.16			
16	256QAM	36	0	18.25	18.27	18.22		20	4
16	256QAM	36	39	18.27	18.26	18.36			
16	256QAM	36	75	18.39	18.37	18.46			
16	256QAM	75	0	18.39	18.29	18.38			
Channel									
Frequency (MHz)									
16	QPSK	1	0	22.48	22.38	22.38		24	0
16	QPSK	1	25	22.29	22.20	22.29			
16	QPSK	1	49	22.32	22.24	22.30			
16	QPSK	25	0	22.42	22.27	22.24			
16	QPSK	25	12	22.28	22.15	22.26		24	0
16	QPSK	25	25	22.28	22.24	22.34			
16	QPSK	50	0	22.34	22.18	22.23			
16	16QAM	1	0	22.27	22.34	22.37		24	0
16	16QAM	1	25	22.29	22.34	22.41			
16	16QAM	1	49	22.33	22.42	22.38			
16	16QAM	25	0	21.19	21.12	21.17			
16	16QAM	25	12	21.37	21.30	21.32		23	1
16	16QAM	25	25	21.33	21.31	21.42			
16	16QAM	50	0	21.28	21.21	21.26			
16	16QAM	50	12	21.48	21.37	21.38			
16	64QAM	1	0	21.40	21.36	21.38		23	1
16	64QAM	1	25	21.47	21.30	21.36			
16	64QAM	25	0	20.27	20.28	20.40			
16	64QAM	25	12	20.31	20.21	20.36		22	2
16	64QAM	50	0	20.23	20.20	20.34			
16	64QAM	50	12	20.23	20.30	20.26			
16	256QAM	1	0	18.23	18.10	18.16		20	4
16	256QAM	1	25	18.35	18.25	18.30			
16	256QAM	1	49	18.35	18.20	18.24			
16	256QAM	25	0	18.25	18.27	18.17		20	4
16	256QAM	25	12	18.25	18.26	18.37			
16	256QAM	25	25	18.33	18.34	18.44			
16	256QAM	50	0	18.46	18.29	18.26			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.48	22.39	22.37		24	0
5	QPSK	1	14	22.32	22.28	22.37			
5	QPSK	1	28	22.32	22.30	22.36			
5	QPSK	12	0	22.34	22.19	22.28		24	0
5	QPSK	12	7	22.34	22.29	22.38			
5	QPSK	12	14	22.43	22.34	22.39			
5	QPSK	25	0	22.34	22.20	22.24			
5	16QAM	1	0	22.35	22.30	22.37		24	0
5	16QAM	1	14	22.33	22.39	22.37			
5	16QAM	1	28	22.37	22.33	22.31			
5	16QAM	12	0	21.18	21.12	21.14			
5	16QAM	12	7	21.32	21.17	21.32		23	1
5	16QAM	12	13	21.38	21.36	21.42			
5	16QAM	25	0	21.30	21.20	21.28			
5	16QAM	25	0	21.48	21.39	21.39			
5	64QAM	1	0	21.44	21.38	21.39		23	1
5	64QAM	1	12	21.38	21.30	21.39			
5	64QAM	12	0	20.31	20.32	20.34			
5	64QAM	12	7	20.23	20.20	20.39		22	2
5	64QAM	12	13	20.30	20.29	20.36			
5	64QAM	25	0	20.23	20.31	20.30			
5	256QAM	1	0	18.21	18.09	18.20		20	4
5	256QAM	1	12	18.37	18.26	18.30			
5	256QAM	1	24	18.32	18.20	18.20			
5	256QAM	12	0	18.28	18.21	18.24		20	4
5	256QAM	12	7	18.43	18.17	18.25			
5	256QAM	12	13	18.43	18.20	18.35			
5	256QAM	25	0	18.42	18.26	18.24			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.40	22.39	22.41		24	0
1.4	QPSK	1	12	22.34	22.27	22.38			
1.4	QPSK	1	24	22.24	22.37	22.36			
1.4	QPSK	3	0	22.42	22.32	22.36			
1.4	QPSK	3	0	22.33	22.10	22.21		24	0
1.4	QPSK	3	3	22.24	22.30	22.34			
1.4	QPSK	6	0	22.28	22.21	22.27			
1.4	16QAM	1	0	22.23	22.43	22.41		24	0
1.4	16QAM	1	3	22.38	22.31	22.33			
1.4	16QAM	1	5	22.34	22.34	22.39		24	0
1.4	16QAM	1	12	22.21	22.44	22.39			
1.4	16QAM	3	0	21.43	22.38	22.28			
1.4	16QAM	3	3	22.33	22.30	22.47		23	1
1.4	16QAM	3	6	21.34	21.27	21.26			
1.4	64QAM	1	0	21.43	21.30	21.27			
1.4	64QAM	1	3	21.48	21.36	21.42			
1.4	64QAM	1	6	21.51	21.36	21.49		23	1
1.4	64QAM	3	0	21.47	21.30	21.25			
1.4	64QAM	3	1	21.46	21.39	21.47			
1.4	64QAM	3	3	21.22	21.39	21.30			
1.4	64QAM	6	0	20.27	20.32	20.29		22	2
1.4	256QAM	1	0	18.23	18.16	18.20		20	4
1.4	256QAM	1	3	18.42	18.20	18.20			
1.4	256QAM	1	6	18.20	18.20	18.24			
1.4	256QAM	3	0	18.32	18.27	18.39			
1.4	256QAM	6	0	18.42	18.21	18.26		20	4

Band 4_Ant 1_Other PA

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freqs 200900	Power Mode Ch / Freqs 200915	Power High Ch / Freqs 200930	Time-up Init (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.58	23.91	23.85		
20	QPSK	1	49	23.88	23.89	23.84	25	0
20	QPSK	1	99	23.83	23.83	23.83		
20	QPSK	50	0	22.92	22.76	22.84		
20	QPSK	50	24	22.87	22.78	22.80	24	1
20	QPSK	50	49	22.82	22.73	22.75		
20	QPSK	100	0	22.92	22.71	22.84		
20	HQAM	1	0	22.98	22.87	22.97		
20	HQAM	1	49	22.93	22.88	22.93	24	1
20	HQAM	1	99	23.07	22.90	23.01		
20	HQAM	50	0	21.69	21.74	21.84		
20	HQAM	50	24	21.62	21.72	21.82	24	1
20	HQAM	50	49	21.57	21.67	21.77		
20	HQAM	100	0	21.74	21.74	21.81		
20	HQAM	1	49	21.83	21.82	21.82	23	2
20	HQAM	1	99	21.84	21.87	21.93		
20	HQAM	1	149	21.85	21.90	21.94		
20	HQAM	50	24	20.75	20.89	20.77	22	3
20	HQAM	50	49	20.78	20.83	20.86		
20	HQAM	50	99	20.79	20.84	20.89		
20	256QAM	1	0	18.70	18.76	18.73		
20	256QAM	1	49	18.68	18.70	18.69	20	5
20	256QAM	1	99	18.70	18.73	18.74		
20	256QAM	50	0	18.85	18.75	18.83		
20	256QAM	50	24	18.82	18.78	18.80	24	1
20	256QAM	50	49	18.83	18.84	18.91		
20	256QAM	100	0	18.69	18.73	18.80		
Channel								
Frequency (MHz)								
15	QPSK	1	0	21.71	21.72	21.73		
15	QPSK	1	49	21.80	21.83	21.85		
15	QPSK	1	99	21.71	21.73	21.72		
15	QPSK	50	0	21.78	21.83	21.74		
15	QPSK	50	24	22.89	22.81	22.71	24	1
15	QPSK	50	49	22.86	22.82	22.80		
15	QPSK	78	0	22.81	22.87	22.74		
15	QPSK	78	24	22.88	22.84	22.83	24	1
15	QPSK	78	49	22.90	22.91	22.94		
15	HQAM	1	74	20.88	20.87	20.91	24	1
15	HQAM	1	124	21.02	21.03	21.08		
15	HQAM	30	20	21.63	21.60	21.52	23	2
15	HQAM	30	50	21.59	21.62	21.72		
15	HQAM	30	80	21.60	21.63	21.77		
15	HQAM	1	0	21.90	21.91	21.86		
15	HQAM	1	49	21.72	21.80	21.73	23	2
15	HQAM	1	99	21.73	21.75	21.78		
15	HQAM	30	0	20.71	20.74	20.71		
15	HQAM	30	20	20.74	20.71	20.74	22	3
15	HQAM	30	50	20.75	20.72	20.75		
15	HQAM	78	0	20.68	20.68	20.73		
15	256QAM	1	0	18.68	18.68	18.71		
15	256QAM	1	49	18.68	18.69	18.70	20	5
15	256QAM	1	99	18.71	18.70	18.69		
15	256QAM	30	20	18.73	18.75	18.74	20	5
15	256QAM	30	50	18.78	18.74	18.84		
15	256QAM	78	0	18.78	18.74	18.84		
Channel								
Frequency (MHz)								
10	QPSK	1	0	20.00	20.01	20.00		
10	QPSK	1	49	20.89	23.84	23.82	25	0
10	QPSK	1	99	20.78	23.79	23.78		
10	QPSK	25	0	22.92	22.80	22.80	24	1
10	QPSK	25	25	22.87	22.76	22.77		
10	QPSK	25	50	22.82	22.71	22.72		
10	HQAM	1	0	22.96	22.84	22.93		
10	HQAM	1	25	22.81	22.86	22.97	24	1
10	HQAM	1	50	22.86	22.89	22.96		
10	HQAM	25	0	21.65	21.62	21.59		
10	HQAM	25	12	21.63	21.71	21.58	23	2
10	HQAM	25	37	21.64	21.72	21.60		
10	HQAM	50	0	21.63	21.61	21.63	23	2
10	HQAM	1	49	21.78	21.84	21.92		
10	HQAM	25	0	20.83	20.74	20.87		
10	HQAM	25	12	20.89	20.79	20.85	22	3
10	HQAM	25	26	20.85	20.72	20.77		
10	HQAM	50	0	20.74	20.73	20.70		
10	HQAM	50	12	20.75	20.72	20.72	20	5
10	256QAM	1	25	18.70	18.68	18.61		
10	256QAM	25	0	18.85	18.63	18.64		
10	256QAM	25	12	18.83	18.67	18.67	20	5
10	256QAM	25	26	18.84	18.64	18.64		
10	256QAM	50	0	18.84	18.73	18.82		
10	256QAM	50	12	18.85	18.68	18.68	20	5
Channel								
Frequency (MHz)								
5	QPSK	0	0	21.42	21.42	21.42		
5	QPSK	1	12	23.73	23.80	23.78		
5	QPSK	1	24	23.91	23.81	23.80	25	0
5	QPSK	1	36	23.78	23.82	23.81		
5	QPSK	12	7	22.77	22.74	22.78	24	1
5	QPSK	12	19	22.86	22.70	22.78		
5	QPSK	12	31	22.82	22.68	22.78		
5	HQAM	1	0	22.85	22.90	22.82		
5	HQAM	1	12	22.88	22.91	22.84	24	1
5	HQAM	1	24	22.90	22.81	22.76		
5	HQAM	12	0	21.56	21.67	21.84		
5	HQAM	12	12	21.67	21.60	21.66	23	2
5	HQAM	12	24	21.63	21.61	21.61		
5	HQAM	20	0	21.73	21.57	21.68		
5	HQAM	20	12	21.83	21.53	21.61	23	2
5	HQAM	1	12	21.72	21.70	21.89		
5	HQAM	1	24	21.74	21.76	21.89		
5	HQAM	12	0	20.84	20.84	20.84	22	3
5	HQAM	12	7	20.86	20.71	20.77		
5	HQAM	12	19	20.79	20.76	20.84	22	3
5	256QAM	1	12	18.70	18.72	18.72		
5	256QAM	1	24	18.68	18.71	18.72	20	5
5	256QAM	12	0	18.78	18.86	18.87		
5	256QAM	12	7	18.79	18.72	18.76	20	5
5	256QAM	12	19	18.78	18.78	18.78		
5	256QAM	20	0	18.81	18.82	18.82		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.90	23.90	23.90		
3	QPSK	1	4	23.88	23.77	23.70	25	0
3	QPSK	1	8	23.89	23.89	23.89		
3	QPSK	8	0	22.81	22.76	22.72		
3	QPSK	8	4	22.83	22.69	22.71	24	1
3	QPSK	8	8	22.84	22.74	22.81		
3	QPSK	16	0	22.83	22.87	22.81		
3	HQAM	1	0	22.94	22.86	22.82		
3	HQAM	1	4	22.94	22.84	22.81	24	1
3	HQAM	1	8	22.95	22.81	22.87		
3	HQAM	14	0	22.90	22.81	22.87		
3	HQAM	1	8	21.66	21.66	21.66	24	1
3	HQAM	1	16	21.61	21.61	21.61		
3	HQAM	8	7	21.69	21.63	21.67		
3	HQAM	1	16	21.71	21.63	21.70	23	2
3	HQAM	1	0	21.84	21.58	21.81		
3	HQAM	1	8	21.78	21.67	21.81		
3	HQAM	8	0	20.85	20.88	20.84	23	2
3	HQAM	8	4	20.89	20.75	20.77		
3	HQAM	8	8	20.92	20.79	20.81	22	3
3	HQAM	16	0	20.84	20.73	20.83		
3	256QAM	1	0	18.62	18.72	18.82		
3	256QAM	1	4	18.62	18.67	18.64	20	5
3	256QAM	1	8	18.63	18.67	18.73		
3	256QAM	8	0	18.70	18.71	18.70		
3	256QAM	8	4	18.68	18.68	18.68	20	5
3	256QAM	12	0	18.70	18.68	18.72		
3	256QAM	8	7	18.67	18.66	18.72		
3	256QAM	16	0	18.67	18.64	18.66		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.85	23.80	23.79		
1.4	QPSK	1	3	23.63	23.63	23.63	25	0
1.4	QPSK	1	5	23.76	23.80	23.79		
1.4	QPSK	3	0	22.88	23.75	23.80		
1.4	QPSK	3	3	23.74	23.74	23.69	24	1
1.4	QPSK	3	7	23.75	23.81	23.79		
1.4	HQAM	1	0	22.73	22.76	22.78		
1.4	HQAM	1	3	22.93	22.88	22.92	24	1
1.4	HQAM	1	5	22.79	22.77	22.76		
1.4	HQAM	1	9	22.76	22.77	22.76		
1.4	HQAM	3	1	22.79	22.75	22.76	23	2
1.4	HQAM	3	4	22.82	22.82	22.82		
1.4	HQAM	6	0	21.65	21.63	21.71		
1.4	HQAM	6	3	21.70	21.70	21.70	23	2
1.4	HQAM	3	5	21.66	21.57	21.68		
1.4	HQAM	3	0	21.67	21.69	21.68		
1.4	HQAM	6	0	21.68	21.64	21.70	22	3
1.4	HQAM	3	7	21.71	21.71	21.74		
1.4	HQAM	6	0	20.71	20.67	20.63	22	3
1.4	HQAM	6	3	20.72	20.64	20.71		
1.4	256QAM	1	3	18.70	18.64	18.72		
1.4	256QAM	1	5	18.66	18.67	18.72	20	5
1.4	256QAM	1	9	18.67	18.68	18.67		
1.4	256QAM	3	0	18.67	18.69	18.66		
1.4	256QAM	3	3	18.68	18.64	18.66	20	5
1.4	256QAM	3	7	18.68	18.62	18.67		

Band 7_Ant 2_Other PA									
RF [MHz]	Modulation	RB Size	RB Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Min Ch / Freq	Tune-up [dBm]	MPR [dB]	
Channel									
Frequency [MHz]									
20	QPSK	1	0	22.04	21.97	21.91	23.5	0	
20	QPSK	1	49	21.97	21.94	21.89			
20	QPSK	1	89	21.98	21.92	21.84			
20	QPSK	50	0	21.40	21.43	21.46	23	0.5	
20	QPSK	50	24	21.44	21.34	21.42			
20	QPSK	50	49	21.38	21.25	21.46			
20	QPSK	100	0	21.41	21.38	21.34	23	0.5	
20	16QAM	1	0	21.47	21.5	21.48			
20	16QAM	1	49	21.49	21.49	21.54			
20	16QAM	1	99	21.58	21.49	21.45	22	1.5	
20	16QAM	50	0	20.48	20.43	20.46			
20	16QAM	50	24	20.35	20.34	20.41			
20	16QAM	50	50	20.42	20.41	20.51	22	1.5	
20	16QAM	100	0	20.33	20.38	20.42			
20	16QAM	100	0	20.51	20.49	20.57			
20	64QAM	1	49	20.5	20.47	20.53	22	1.5	
20	64QAM	1	99	20.52	20.47	20.55			
20	64QAM	100	0	19.43	19.44	19.54			
20	64QAM	50	24	19.38	19.35	19.36	21	2.5	
20	64QAM	50	50	19.42	19.41	19.42			
20	64QAM	100	0	19.43	19.44	19.54			
20	256QAM	1	0	17.37	17.39	17.26	19	4.5	
20	256QAM	1	49	17.26	17.25	17.32			
20	256QAM	1	99	17.21	17.25	17.26			
20	256QAM	50	0	17.37	17.37	17.46	19	4.5	
20	256QAM	50	24	17.31	17.25	17.38			
20	256QAM	50	49	17.36	17.36	17.34			
20	256QAM	100	0	17.43	17.37	17.37	19	4.5	
Channel				20626	21100	21375			
Frequency [MHz]				20626	21100	21375			
16	QPSK	1	0	22.01	21.91	21.8	23.5	0	
16	QPSK	1	37	21.9	21.88	21.75			
16	QPSK	1	74	21.93	21.88	21.75			
16	QPSK	36	0	21.41	21.31	21.37	23	0.5	
16	QPSK	36	20	21.35	21.25	21.33			
16	QPSK	36	23	21.38	21.28	21.36			
16	QPSK	75	0	21.39	21.33	21.33	23	0.5	
16	16QAM	1	0	21.34	21.42	21.4			
16	16QAM	1	37	21.47	21.42	21.46			
16	16QAM	1	74	21.51	21.45	21.51	22	1.5	
16	16QAM	36	0	20.36	20.42	20.32			
16	16QAM	36	20	20.34	20.32	20.28			
16	16QAM	36	23	20.33	20.32	20.4	22	1.5	
16	16QAM	75	0	20.33	20.42	20.34			
16	16QAM	75	0	20.45	20.39	20.45			
16	64QAM	1	37	20.38	20.36	20.45	22	1.5	
16	64QAM	1	74	20.42	20.4	20.47			
16	64QAM	36	0	19.4	19.4	19.22			
16	64QAM	36	20	19.26	19.21	19.3	21	2.5	
16	64QAM	36	39	19.38	19.33	19.38			
16	64QAM	75	0	19.32	19.32	19.4			
16	256QAM	1	0	17.33	17.21	17.16	19	4.5	
16	256QAM	1	37	17.24	17.16	17.18			
16	256QAM	1	74	17.08	17.15	17.11			
16	256QAM	36	0	17.34	17.39	17.41	19	4.5	
16	256QAM	36	20	17.21	17.29	17.3			
16	256QAM	36	23	17.35	17.23	17.33			
16	256QAM	75	0	17.35	17.17	17.37	19	4.5	
Channel				20625	21100	21425			
Frequency [MHz]				20625	21100	21425			
16	QPSK	1	0	21.98	21.96	21.91	23.5	0	
16	QPSK	1	25	21.84	21.8	21.78			
16	QPSK	1	49	21.98	21.79	21.84			
16	QPSK	25	0	21.47	21.28	21.44	23	0.5	
16	QPSK	25	12	21.41	21.26	21.33			
16	QPSK	25	25	21.39	21.34	21.43			
16	QPSK	50	0	21.28	21.32	21.35	23	0.5	
16	16QAM	1	0	21.33	21.37	21.33			
16	16QAM	1	25	21.53	21.38	21.5			
16	16QAM	1	49	21.49	21.43	21.41	22	1.5	
16	16QAM	25	0	20.41	20.39	20.36			
16	16QAM	25	12	20.3	20.25	20.26			
16	16QAM	25	25	20.3	20.29	20.36	22	1.5	
16	16QAM	50	0	20.49	20.49	20.31			
16	16QAM	50	0	20.51	20.49	20.51			
16	64QAM	1	25	20.46	20.41	20.53	22	1.5	
16	64QAM	1	49	20.46	20.47	20.4			
16	64QAM	25	0	19.38	19.34	19.36			
16	64QAM	25	12	19.28	19.2	19.22	21	2.5	
16	64QAM	25	25	19.3	19.4	19.4			
16	64QAM	50	0	19.41	19.31	19.33			
16	256QAM	1	0	17.32	17.39	17.13	19	4.5	
16	256QAM	1	25	17.09	17.12	17.35			
16	256QAM	1	49	17.12	17.13	17.19			
16	256QAM	25	0	17.28	17.37	17.41	19	4.5	
16	256QAM	25	12	17.34	17.32	17.36			
16	256QAM	25	25	17.24	17.15	17.26			
16	256QAM	50	0	17.28	17.29	17.24	19	4.5	
Channel				20625	21100	21425			
Frequency [MHz]				20625	21100	21425			
5	QPSK	1	0	21.98	21.91	21.89	23.5	0	
5	QPSK	1	19	21.84	21.86	21.8			
5	QPSK	1	24	21.97	21.86	21.85			
5	QPSK	12	0	21.43	21.37	21.35	23	0.5	
5	QPSK	12	7	21.33	21.27	21.37			
5	QPSK	12	13	21.26	21.3	21.42			
5	QPSK	25	0	21.38	21.39	21.25	23	0.5	
5	16QAM	1	0	21.41	21.39	21.41			
5	16QAM	1	19	21.5	21.44	21.53			
5	16QAM	1	24	21.51	21.47	21.3	22	1.5	
5	16QAM	12	7	20.38	20.41	20.37			
5	16QAM	12	13	20.37	20.39	20.44			
5	16QAM	25	0	20.27	20.28	20.3	22	1.5	
5	16QAM	25	0	20.36	20.45	20.55			
5	64QAM	1	19	20.49	20.43	20.44	22	1.5	
5	64QAM	1	24	20.47	20.34	20.46			
5	64QAM	12	7	19.35	19.28	19.31			
5	64QAM	12	13	19.27	19.3	19.34	21	2.5	
5	64QAM	25	0	19.43	19.37	19.43			
5	256QAM	1	0	17.34	17.29	17.11	19	4.5	
5	256QAM	1	19	17.12	17.15	17.25			
5	256QAM	1	24	17.06	17.23	17.15			
5	256QAM	12	0	17.28	17.25	17.44	19	4.5	
5	256QAM	12	13	17.23	17.29	17.34			
5	256QAM	12	19	17.32	17.31	17.16			
5	256QAM	25	0	17.37	17.18	17.36	19	4.5	
Channel				20625	21100	21425			
Frequency [MHz]				20625	21100	21425			

Band 7_Ant 3_Other PA									
RF [MHz]	Modulation	RB Size	RB Offset	Power/ Ch / Freq	Power/ Ch / Freq	Power/ Ch / Freq	Tune-up [dBm]	MPR (dB)	
Channel									
Frequency [MHz]									
20	QPSK	1	0	22.15	22.06	22.04	23.5	0	
20	QPSK	1	49	22.12	22.07	22.10			
20	QPSK	50	24	22.13	22.08	22.11			
20	QPSK	50	0	21.14	21.08	21.15			
20	QPSK	50	24	21.11	21.06	21.11	22.5		
20	QPSK	50	0	21.17	21.10	21.07			
20	QPSK	100	0	21.10	21.12	21.13			
20	QPSK	1	0	21.27	21.18	21.14			
20	QPSK	50	24	21.07	21.06	21.07	22.5		
20	QPSK	50	0	20.16	20.10	20.07			
20	QPSK	50	50	20.15	20.10	20.12			
20	QPSK	50	50	20.03	20.05	20.12			
20	QPSK	100	0	20.16	20.11	20.06	21.5	2	
20	QPSK	100	0	20.15	20.10	20.06			
20	QPSK	1	49	20.14	20.13	20.15			
20	QPSK	1	49	20.14	20.13	20.15			
20	QPSK	50	99	20.19	20.17	20.15	21.5	2	
20	QPSK	50	50	19.17	19.07	19.14			
20	QPSK	50	24	19.05	19.02	19.04			
20	QPSK	50	50	19.14	19.05	19.09			
20	QPSK	50	50	19.10	19.07	19.13	20.5	3	
20	QPSK	50	0	18.91	18.86	19.07			
20	QPSK	1	49	18.88	18.83	18.97			
20	QPSK	1	49	18.88	18.83	18.97			
20	QPSK	50	24	17.17	17.02	17.11	19.5	5	
20	QPSK	50	50	17.09	17.04	17.07			
20	QPSK	100	0	16.97	17.02	17.01			
20	QPSK	100	0	16.97	17.02	17.01			
Channel									
Frequency [MHz]									
20	QPSK	1	0	22.03	21.94	22.21	23.5	0	
15	QPSK	1	37	22.06	22.02	22.07			
15	QPSK	36	0	21.04	21.02	21.14			
15	QPSK	36	0	21.07	21.04	20.97			
15	QPSK	75	0	21.01	21.08	21.11	22.5		
15	QPSK	75	0	21.04	21.06	21.11			
15	QPSK	1	0	21.22	21.07	21.11			
15	QPSK	1	0	21.15	21.04	21.11			
15	QPSK	1	74	21.13	21.11	21.26	21.5	2	
15	QPSK	36	0	20.03	19.99	19.97			
15	QPSK	36	0	19.99	19.89	19.98			
15	QPSK	36	39	19.92	19.20	19.94			
15	QPSK	75	0	20.03	19.96	19.97	20.5	3	
15	QPSK	75	0	20.03	19.96	19.97			
15	QPSK	1	74	20.06	20.03	20.04			
15	QPSK	1	74	20.16	20.03	20.16			
15	QPSK	36	0	19.98	19.93	19.94	20.5	3	
15	QPSK	36	20	19.21	18.99	19.34			
15	QPSK	36	20	19.08	18.93	19.05			
15	QPSK	36	20	16.79	16.93	16.82			
15	QPSK	1	37	16.83	16.80	16.83	19.5	5	
15	QPSK	1	37	16.83	16.80	16.83			
15	QPSK	36	0	16.87	16.87	16.82			
15	QPSK	36	0	16.10	16.88	16.99			
15	QPSK	36	0	16.94	16.93	16.94	19.5	5	
15	QPSK	36	0	16.94	16.93	16.94			
15	QPSK	75	0	16.86	16.96	16.92			
15	QPSK	75	0	16.86	16.96	16.92			
Channel									
Frequency [MHz]									
10	QPSK	1	0	22.1	21.96	22.11	23.5	0	
10	QPSK	1	25	22.04	22.01	21.98			
10	QPSK	24	0	21.08	21.04	21.11			
10	QPSK	24	0	21.08	21.04	21.11			
10	QPSK	12	7	21.08	20.92	21.1	22.5		
10	QPSK	12	7	21.08	21.01	21.05			
10	QPSK	50	0	21.01	21.03	21.13			
10	QPSK	50	0	21.01	21.03	21.13			
10	QPSK	1	0	21.23	21.1	21.08	22.5		
10	QPSK	1	0	21.15	21.07	21.08			
10	QPSK	1	49	21.04	21.12	21.14			
10	QPSK	25	0	20.12	19.97	20.01			
10	QPSK	12	7	20.02	19.82	20.03	21.5	2	
10	QPSK	25	0	19.88	20.05	19.91			
10	QPSK	50	0	20.04	20.09	20.04			
10	QPSK	50	0	20.04	20.09	20.04			
10	QPSK	1	25	20.03	20.08	20.02	21.5	2	
10	QPSK	1	49	20.09	20.15	20.03			
10	QPSK	1	49	20.09	20.15	20.03			
10	QPSK	25	12	18.91	19.31	18.93			
10	QPSK	25	12	18.91	19.31	18.93	20.5	3	
10	QPSK	25	25	19.04	19.04	19.91			
10	QPSK	25	25	19.04	19.04	19.91			
10	QPSK	1	0	18.94	18.93	18.92			
10	QPSK	1	25	18.76	18.88	18.94	19.5	5	
10	QPSK	1	25	18.76	18.88	18.94			
10	QPSK	25	0	16.98	16.97	16.94			
10	QPSK	25	0	16.98	16.97	16.94			
10	QPSK	25	12	17.05	16.97	16.97	19.5	5	
10	QPSK	25	12	17.05	16.97	16.97			
10	QPSK	50	0	16.95	16.92	16.95			
10	QPSK	50	0	16.95	16.92	16.95			
Channel									
Frequency [MHz]									
5	QPSK	1	0	22.08	22.06	22.12	23.5	0	
5	QPSK	1	12	22.08	22.03	22.08			
5	QPSK	12	0	21.11	21.07	21.14			
5	QPSK	12	7	20.98	20.98	21.08			
5	QPSK	12	7	20.98	20.98	21.08	22.5		
5	QPSK	12	7	20.98	20.98	21.08			
5	QPSK	24	0	21.07	21.12	20.95			
5	QPSK	1	0	21.19	21.11	21.1			
5	QPSK	1	24	21.19	21.06	21.12	22.5		
5	QPSK	12	0	20.16	20.02	19.96			
5	QPSK	12	0	19.96	19.99	19.96			
5	QPSK	12	13	19.04	19.03	19.04			
5	QPSK	25	0	20.08	20.04	19.92	21.5	2	
5	QPSK	25	0	20.08	20.04	19.92			
5	QPSK	1	12	20.08	20.03	19.97			
5	QPSK	1	24	20.13	20.06	20.04			
5	QPSK	12	7	19.95	19.92	19.91	20.5	3	
5	QPSK	12	7	19.98	19.98	19.94			
5	QPSK	12	13	19.05	19.09	19.99			
5	QPSK	1	0	16.90	16.88	16.91			
5	QPSK	1	12	16.81	16.87	16.87	19.5	5	
5	QPSK	1	12	16.81	16.87	16.87			
5	QPSK	12	0	17.10	16.89	16.92			
5	QPSK	12	7	17.04	16.96	16.95			
5	QPSK	25	0	16.91	17.02	16.94	19.5	5	
5	QPSK	25	0	16.91	17.02	16.94			
5	QPSK	25	0	16.91	17.02	16.94			
5	QPSK	25	0	16.91	17.02	16.94			



Band 66_Ant 1_Other PA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq 130072 130072 130072	Power Hg / Freq 130072 130072 130072	Power Ch / Freq 130072 130072 130072	Power Hg / Freq 130072 130072 130072	Tune-up (dBm)	MPE (dB)
Channel									
Frequency (MHz)									
26	QPSK	1	0	22.89	22.88	22.88	22.88	24	0
26	QPSK	1	48	22.88	22.88	22.88	22.88	24	0
26	QPSK	1	96	22.87	22.87	22.87	22.87	23	1
26	QPSK	50	0	21.82	21.88	21.81	21.81	23	1
26	QPSK	50	24	21.78	21.88	21.88	21.88	23	1
26	QPSK	50	48	21.75	21.85	21.85	21.85	23	1
26	QPSK	100	0	21.68	21.82	21.82	21.82	23	1
26	16QAM	1	0	21.97	22.01	21.98	21.98	23	1
26	16QAM	1	48	21.97	22.01	21.97	21.97	23	1
26	16QAM	1	96	22.05	21.98	22.00	22.00	22	2
26	16QAM	50	0	21.91	20.92	20.98	20.98	22	2
26	16QAM	50	24	20.92	20.98	20.98	20.98	22	2
26	16QAM	50	48	20.92	20.98	20.98	20.98	22	2
26	16QAM	100	0	20.87	20.87	20.84	20.84	21	3
26	16QAM	100	0	20.89	20.89	20.89	20.89	21	3
26	64QAM	1	0	20.94	20.96	21.06	21.06	22	2
26	64QAM	1	96	20.93	20.97	20.96	20.96	22	2
26	64QAM	50	0	19.92	19.94	19.89	19.89	21	3
26	64QAM	50	24	19.92	19.98	19.94	19.94	21	3
26	64QAM	50	48	19.95	19.98	19.91	19.91	21	3
26	64QAM	100	0	19.88	19.89	19.89	19.89	21	3
26	256QAM	1	0	17.88	17.89	17.89	17.89	19	5
26	256QAM	1	48	17.76	17.79	17.83	17.83	19	5
26	256QAM	1	96	17.90	17.81	17.89	17.89	19	5
26	256QAM	50	0	17.91	17.89	17.94	17.94	19	5
26	256QAM	50	24	17.81	17.88	17.83	17.83	19	5
26	256QAM	50	48	17.80	17.84	17.84	17.84	19	5
26	256QAM	100	0	17.89	17.82	17.77	17.77	19	5
Channel									
Frequency (MHz)									
16	QPSK	1	0	22.85	22.85	22.82	22.82	24	0
16	QPSK	1	37	22.77	22.80	22.83	22.83	24	0
16	QPSK	1	74	22.80	22.82	22.87	22.87	23	1
16	QPSK	36	0	21.75	21.87	21.85	21.85	23	1
16	QPSK	36	20	21.78	21.79	21.83	21.83	23	1
16	QPSK	36	36	21.74	21.74	21.74	21.74	23	1
16	QPSK	75	0	21.68	21.73	21.72	21.72	23	1
16	16QAM	1	0	21.85	21.86	21.85	21.85	23	1
16	16QAM	1	37	21.82	21.82	21.80	21.80	23	1
16	16QAM	1	74	22.04	21.94	21.99	21.99	22	2
16	16QAM	36	0	20.98	20.94	20.95	20.95	22	2
16	16QAM	36	20	20.77	20.92	20.89	20.89	22	2
16	16QAM	36	39	20.77	20.90	20.90	20.90	22	2
16	16QAM	75	0	20.76	20.85	20.81	20.81	22	2
16	64QAM	1	0	20.91	20.94	20.96	20.96	22	2
16	64QAM	1	37	20.94	20.95	21.02	21.02	22	2
16	64QAM	1	74	20.89	20.97	20.94	20.94	21	3
16	64QAM	36	0	19.88	19.84	19.78	19.78	21	3
16	64QAM	36	20	19.78	19.84	19.84	19.84	21	3
16	64QAM	36	39	19.87	19.82	19.82	19.82	21	3
16	64QAM	75	0	19.74	19.78	19.86	19.86	19	5
16	256QAM	1	0	17.83	17.82	17.88	17.88	19	5
16	256QAM	1	37	17.74	17.75	17.82	17.82	19	5
16	256QAM	1	74	17.84	17.78	17.84	17.84	19	5
16	256QAM	36	0	17.84	17.79	17.84	17.84	19	5
16	256QAM	36	20	17.80	17.78	17.80	17.80	19	5
16	256QAM	36	39	17.76	17.74	17.86	17.86	19	5
16	256QAM	75	0	17.79	17.78	17.72	17.72	19	5
Channel									
Frequency (MHz)									
16	QPSK	1	0	22.88	22.84	22.88	22.88	24	0
16	QPSK	1	25	22.73	22.88	22.83	22.83	24	0
16	QPSK	1	48	22.82	22.85	22.87	22.87	23	1
16	QPSK	26	0	21.67	21.74	21.81	21.81	23	1
16	QPSK	26	12	21.65	21.77	21.88	21.88	23	1
16	QPSK	26	25	21.66	21.78	21.79	21.79	23	1
16	QPSK	50	0	21.56	21.71	21.76	21.76	23	1
16	16QAM	1	0	21.91	22.05	21.82	21.82	23	1
16	16QAM	1	25	21.87	21.85	21.80	21.80	23	1
16	16QAM	1	48	22.04	21.84	21.96	21.96	22	2
16	16QAM	26	0	20.98	20.90	20.91	20.91	22	2
16	16QAM	26	12	20.78	20.76	20.79	20.79	22	2
16	16QAM	26	25	20.75	20.83	20.83	20.83	22	2
16	16QAM	50	0	20.95	20.85	20.84	20.84	22	2
16	64QAM	1	0	20.87	20.85	20.82	20.82	22	2
16	64QAM	1	25	20.90	20.91	20.91	20.91	22	2
16	64QAM	1	48	20.92	20.93	20.93	20.93	22	2
16	64QAM	26	0	19.87	19.94	19.90	19.90	21	3
16	64QAM	26	12	19.80	19.78	19.86	19.86	21	3
16	64QAM	26	25	19.78	19.78	19.84	19.84	21	3
16	64QAM	50	0	19.78	19.84	19.75	19.75	21	3
16	256QAM	1	0	17.90	17.82	17.88	17.88	19	5
16	256QAM	1	25	17.72	17.73	17.78	17.78	19	5
16	256QAM	1	48	17.77	17.78	17.83	17.83	19	5
16	256QAM	26	0	17.88	17.85	17.91	17.91	19	5
16	256QAM	26	12	17.87	17.84	17.91	17.91	19	5
16	256QAM	26	25	17.68	17.65	17.68	17.68	19	5
16	256QAM	50	0	17.83	17.65	17.68	17.68	19	5
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.89	22.97	23.02	23.02	24	0
5	QPSK	1	12	22.85	22.87	22.87	22.87	24	0
5	QPSK	1	24	22.85	22.88	22.85	22.85	23	1
5	QPSK	12	0	21.75	21.80	21.84	21.84	23	1
5	QPSK	12	6	21.72	21.81	21.86	21.86	23	1
5	QPSK	12	18	21.67	21.86	21.73	21.73	23	1
5	QPSK	26	0	21.60	21.77	21.81	21.81	23	1
5	16QAM	1	0	21.83	21.83	21.83	21.83	23	1
5	16QAM	1	12	21.88	21.83	21.87	21.87	23	1
5	16QAM	1	24	22.03	21.87	22.00	22.00	22	2
5	16QAM	12	0	20.92	20.92	20.92	20.92	22	2
5	16QAM	12	7	20.75	20.74	20.77	20.77	22	2
5	16QAM	12	13	20.83	20.75	20.87	20.87	22	2
5	16QAM	26	0	20.86	20.89	20.89	20.89	22	2
5	64QAM	1	0	20.89	20.81	20.89	20.89	22	2
5	64QAM	1	12	20.98	20.95	21.04	21.04	22	2
5	64QAM	1	24	20.87	20.84	20.87	20.87	22	2
5	64QAM	12	0	19.90	19.93	19.95	19.95	21	3
5	64QAM	12	7	19.77	19.84	19.90	19.90	21	3
5	64QAM	12	13	19.77	19.88	19.78	19.78	21	3
5	256QAM	1	0	16.77	16.88	16.77	16.77	19	5
5	256QAM	1	12	16.65	16.78	16.82	16.82	19	5
5	256QAM	1	24	17.81	17.78	17.82	17.82	19	5
5	256QAM	12	0	17.91	17.74	17.86	17.86	19	5
5	256QAM	12	7	17.68	17.68	17.70	17.70	19	5
5	256QAM	12	13	17.70	17.76	17.71	17.71	19	5
5	256QAM	26	0	17.86	17.64	17.75	17.75	19	5
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.75	22.88	22.90	22.90	24	0
3	QPSK	1	14	22.77	22.95	22.81	22.81	23	1
3	QPSK	8	0	21.76	21.86	21.86	21.86	23	1
3	QPSK	8	7	21.76	21.83	21.73	21.73	23	1
3	QPSK	8	14	21.71	21.71	21.72	21.72	23	1
3	QPSK	15	0	21.60	21.72	21.74	21.74	23	1
3	16QAM	1	0	21.84	21.83	21.84	21.84	23	1
3	16QAM	1	8	21.84	21.81	21.79	21.79	23	1
3	16QAM	1	14	22.04	21.98	22.07	22.07	22	2
3	16QAM	8	0	21.80	20.81	20.84	20.84	22	2
3	16QAM	8	4	20.75	20.77	20.82	20.82	22	2
3	16QAM	8	7	20.84	20.83	20.85	20.85	22	2
3	16QAM	15	0	20.78	20.79	20.83	20.83	22	2
3	64QAM	1	0	20.88	20.84	20.91	20.91	22	2
3	64QAM	1	8	21.02	20.90	21.01	21.01	22	2
3	64QAM	8	0	19.78	19.90	19.86	19.86	21	3
3	64QAM	8	4	19.82	19.71	19.85	19.85	21	3
3	64QAM	8	7	19.86	19.88	19.79	19.79	21	3
3	64QAM	15	0	19.85	19.78	19.83	19.83	21	3
3	256QAM	1	0	17.84	17.73	17.88	17.88	19	5
3	256QAM	1	14	17.74	17.78	17.71	17.71	19	5
3	256QAM	1	28	17.79	17.75	17.78	17.78	19	5
3	256QAM	15	0	17.86	17.66	17.91	17.91	19	5
3	256QAM	15	7	17.79	17.77	17.81	17.81	19	5
3	256QAM	15	14	17.77	17.68	17.78	17.78	19	5
3	256QAM	30	0	17.77	17.68	17.78	17.78	19	5
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.75	22.88	22.92	22.92	24	0
1.4	QPSK	1	1	22.82	22.78	22.81	22.81	24	0
1.4	QPSK	1	2	22.87	22.85	22.89	22.89	24	0
1.4									



Reduced Power for DS#4

Band 4_Ant 0_Other PA

BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch / Freq 20650	Power Min Ch / Freq 20175	Power Min Ch / Freq 20500	Time-up Init (dBm)	MFR (dB)
Channel								
20	QPSK	1	0	22.48	22.48	22.44	24	0
20	QPSK	1	49	22.41	22.35	22.41		
20	QPSK	1	99	22.34	22.32	22.36		
20	QPSK	50	0	22.45	22.33	22.34		
20	QPSK	50	24	22.38	22.23	22.32	24	0
20	QPSK	50	49	22.34	22.42	22.42		
20	QPSK	50	99	22.38	22.29	22.33		
20	QPSK	100	0	22.38	22.29	22.33		
20	16QAM	1	0	22.35	22.44	22.44	24	0
20	16QAM	1	49	22.40	22.30	22.36		
20	16QAM	1	99	22.43	22.40	22.44		
20	16QAM	50	0	21.27	21.23	21.26		
20	16QAM	50	24	21.43	21.37	21.36	23	1
20	16QAM	50	49	21.42	21.38	21.46		
20	16QAM	50	99	21.40	21.34	21.38		
20	16QAM	100	0	21.40	21.34	21.38		
20	64QAM	1	49	21.52	21.38	21.45	23	1
20	64QAM	1	99	21.31	21.33	21.38		
20	64QAM	50	0	20.40	20.20	20.43		
20	64QAM	50	24	20.35	20.30	20.42		
20	64QAM	50	99	20.50	20.39	20.45	22	2
20	64QAM	100	0	20.29	20.34	20.38		
20	256QAM	1	0	18.31	18.21	18.23		
20	256QAM	1	49	18.44	18.30	18.32		
20	256QAM	1	99	18.33	18.32	18.29	20	4
20	256QAM	50	0	18.35	18.33	18.27		
20	256QAM	50	24	18.48	18.29	18.37		
20	256QAM	50	99	18.45	18.36	18.42		
20	256QAM	100	0	18.48	18.35	18.37	Time-up Init (dBm)	MFR (dB)
Channel								
Frequency (MHz)			1717.5	1716.5	1717.5	Time-up Init (dBm)	MFR (dB)	
15	QPSK	1	0	22.40	22.41	22.40		
15	QPSK	1	37	22.35	22.27	22.34		
15	QPSK	1	74	22.35	22.28	22.30		
15	QPSK	36	0	22.38	22.27	22.24	24	0
15	QPSK	36	20	22.31	22.19	22.20		
15	QPSK	36	50	22.32	22.23	22.29		
15	QPSK	75	0	22.38	22.29	22.29		
15	16QAM	1	0	22.28	22.31	22.33	24	0
15	16QAM	1	37	22.29	22.34	22.31		
15	16QAM	1	74	22.38	22.39	22.31		
15	16QAM	36	0	21.21	21.12	21.22		
15	16QAM	36	20	21.27	21.16	21.23	23	1
15	16QAM	36	50	21.35	21.30	21.36		
15	16QAM	75	0	21.31	21.27	21.32		
15	16QAM	75	24	21.49	21.39	21.39		
15	64QAM	1	37	21.46	21.30	21.36	23	1
15	64QAM	1	74	21.20	21.26	21.31		
15	64QAM	36	0	20.27	20.25	20.31		
15	64QAM	36	20	20.32	20.30	20.35		
15	64QAM	36	50	20.41	20.36	20.42	22	2
15	64QAM	75	0	20.25	20.28	20.31		
15	64QAM	75	24	20.35	20.29	20.38		
15	64QAM	75	50	20.32	20.35	20.40		
15	256QAM	1	0	18.23	18.08	18.11	20	4
15	256QAM	1	37	18.36	18.26	18.30		
15	256QAM	1	74	18.28	18.27	18.16		
15	256QAM	36	0	18.25	18.27	18.22		
15	256QAM	36	20	18.39	18.25	18.34	20	4
15	256QAM	36	50	18.39	18.31	18.46		
15	256QAM	75	0	18.38	18.28	18.35		
15	256QAM	75	24	18.33	18.28	18.35		
Channel								
Frequency (MHz)			1717.5	1716.5	1717.5	Time-up Init (dBm)	MFR (dB)	
15	QPSK	1	0	22.48	22.38	22.38		
15	QPSK	1	25	22.29	22.23	22.26		
15	QPSK	1	49	22.32	22.30	22.30		
15	QPSK	25	0	22.42	22.27	22.24	24	0
15	QPSK	25	12	22.28	22.15	22.26		
15	QPSK	25	25	22.28	22.32	22.34		
15	QPSK	50	0	22.34	22.24	22.23		
15	16QAM	1	0	22.27	22.38	22.37	24	0
15	16QAM	1	25	22.29	22.34	22.41		
15	16QAM	1	49	22.33	22.39	22.37		
15	16QAM	25	0	21.18	21.12	21.17		
15	16QAM	25	12	21.37	21.30	21.32	23	1
15	16QAM	25	25	21.33	21.31	21.46		
15	16QAM	50	0	21.28	21.21	21.32		
15	16QAM	50	12	21.48	21.37	21.28		
15	64QAM	1	25	21.40	21.36	21.38	23	1
15	64QAM	1	49	21.28	21.35	21.38		
15	64QAM	25	0	20.27	20.28	20.40		
15	64QAM	25	12	20.31	20.21	20.36		
15	64QAM	50	0	20.41	20.38	20.44	22	2
15	64QAM	50	12	20.23	20.30	20.26		
15	64QAM	50	25	20.23	20.30	20.26		
15	256QAM	1	0	18.28	18.10	18.16		
15	256QAM	1	25	18.36	18.26	18.30	20	4
15	256QAM	1	49	18.35	18.20	18.24		
15	256QAM	25	0	18.25	18.27	18.17		
15	256QAM	25	12	18.40	18.25	18.36		
15	256QAM	25	25	18.35	18.34	18.44	20	4
15	256QAM	50	0	18.46	18.29	18.26		
Channel								
Frequency (MHz)			1717.5	1716.5	1717.5	Time-up Init (dBm)	MFR (dB)	
5	QPSK	1	0	22.48	22.39	22.37		
5	QPSK	1	14	22.32	22.30	22.37		
5	QPSK	1	28	22.32	22.28	22.36		
5	QPSK	12	7	22.34	22.19	22.28	24	0
5	QPSK	12	14	22.29	22.40	22.37		
5	QPSK	12	28	22.34	22.29	22.34		
5	QPSK	25	0	22.34	22.20	22.24		
5	16QAM	1	0	22.32	22.35	22.37	24	0
5	16QAM	1	14	22.33	22.39	22.37		
5	16QAM	1	28	22.37	22.33	22.31		
5	16QAM	12	0	21.32	21.17	21.32		
5	16QAM	12	13	21.38	21.36	21.42	23	1
5	16QAM	12	14	21.27	21.33	21.36		
5	16QAM	25	0	21.46	21.39	21.29		
5	64QAM	1	12	21.44	21.38	21.39		
5	64QAM	1	28	21.30	21.30	21.36	22	2
5	64QAM	12	0	20.31	20.32	20.34		
5	64QAM	12	7	20.23	20.20	20.39		
5	64QAM	12	14	20.30	20.30	20.39		
5	64QAM	25	0	20.23	20.31	20.30	20	4
5	256QAM	1	0	18.21	18.08	18.09		
5	256QAM	1	14	18.37	18.26	18.30		
5	256QAM	12	0	18.28	18.21	18.24		
5	256QAM	12	7	18.43	18.17	18.35		
5	256QAM	12	13	18.43	18.21	18.35	20	4
5	256QAM	25	0	18.42	18.26	18.24		
Channel								
Frequency (MHz)			1717.5	1716.5	1717.5	Time-up Init (dBm)	MFR (dB)	
3	QPSK	1	0	22.40	22.39	22.37		
3	QPSK	1	14	22.34	22.31	22.36		
3	QPSK	8	0	22.39	22.25	22.26		
3	QPSK	8	7	22.37	22.19	22.21	24	0
3	QPSK	15	0	22.31	22.16	22.24		
3	16QAM	1	0	22.30	22.36	22.31		
3	16QAM	1	8	22.38	22.39	22.36		
3	16QAM	1	14	22.41	22.44	22.39	23	1
3	16QAM	8	0	21.22	21.11	21.23		
3	16QAM	8	4	21.29	21.17	21.22		
3	16QAM	8	7	21.35	21.29	21.42		
3	16QAM	15	0	21.38	21.28	21.36	23	1
3	64QAM	1	0	21.46	21.38	21.24		
3	64QAM	1	8	21.43	21.26	21.43		
3	64QAM	12	0	21.27	21.29	21.28		
3	64QAM	8	0	20.32	20.27	20.41	22	2
3	64QAM	8	4	20.29	20.22	20.31		
3	64QAM	8	7	20.44	20.30	20.37		
3	64QAM	15	0	20.18	20.27	20.34	20	4
3	256QAM	1	0	18.27	18.15	18.17		
3	256QAM	1	14	18.33	18.19	18.28		
3	256QAM	1	28	18.32	18.20	18.20		
3	256QAM	15	0	18.27	18.30	18.22		
3	256QAM	15	7	18.43	18.23	18.28	20	4
3	256QAM	15	14	18.33	18.34	18.44		
3	256QAM	15	28	18.46	18.30	18.35		
Channel								
Frequency (MHz)			1710.7	1710.5	1714.3	Time-up Init (dBm)	MFR (dB)	
1.4	QPSK	1	0	22.40	22.39	22.41		
1.4	QPSK	1	4	22.34	22.27	22.38		
1.4	QPSK	1	8	22.26	22.28	22.36		
1.4	QPSK	3	0	22.42	22.22	22.29	24	0
1.4	QPSK	3	2	22.32	22.10	22.21		
1.4	QPSK	3	6	22.24	22.20	22.34		
1.4	QPSK	6	0	22.28	22.21	22.27		
1.4	16QAM	1	0	22.38	22.31	22.33	23	1
1.4	16QAM	1	3	22.38	22.31	22.36		
1.4	16QAM	1	6	22.34	22.34	22.36		
1.4	16QAM	3	0	22.43	22.28	22.28		
1.4	16QAM	3	3	22.33	22.30	22.40	22	2
1.4	16QAM	3	6	22.22	21.22	21.26		
1.4	16QAM	6	0	21.43	21.30	21.27		
1.4	16QAM	6	3	21.46	21.35	21.42		
1.4	16QAM	15	0	21.42	21.39	21.29	22	2
1.4	64QAM	1	0	21.27	21.39	21.25		
1.4	64QAM	3	0	21.23	21.33	21.47		
1.4	64QAM	3	3	21.45	21.39	21.41		
1.4	64QAM	6	0	20.27	20.33	20.29	21	3
1.4	64QAM	6	3	20.32	20.31	20.36		
1.4	256QAM	1	0	18.42	18.20	18.24		
1.4	256QAM	1	3	18.20	18.20	18.24	19	5
1.4	256QAM	3	0	18.33	18.23	18.28		
1.4	256QAM	3	3	18.46	18.19	18.29		
1.4	256QAM	3	6	18.32	18.27	18.39	18	6
1.4	256QAM	6	0	18.43	18.23	18.34		
1.4	256QAM	6	3	18.43	18.23	18.34		



Band 7_Ant 2_Other PA												
BW (MHz)	Modulation	RB Size	RB Offset	Power Mdn Ch / Freq	Power Mdn Ch / Freq	Power Mdn Ch / Freq	Tune-up Int (s)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.08	18.98	18.98	20.5	0				
20	QPSK	1	49	18.93	18.88	18.94						
20	QPSK	1	89	19.02	18.92	18.92						
20	QPSK	50	0	19.01	18.91	18.97						
20	QPSK	50	24	18.93	18.79	18.87	20.5	0				
20	QPSK	50	50	18.92	18.82	18.92						
20	QPSK	100	0	18.93	18.82	18.85						
20	16QAM	1	0	19.03	18.93	19.03						
20	16QAM	1	49	19.02	18.92	19.02	20.5	0				
20	16QAM	1	99	19.03	18.98	19.02						
20	16QAM	50	0	18.96	18.94	18.94						
20	16QAM	50	24	18.82	18.84	18.82						
20	16QAM	50	50	18.91	18.95	18.93	20.5	0				
20	16QAM	100	0	18.82	18.92	18.99						
20	16QAM	100	0	19	18.94	18.97						
20	16QAM	1	49	19.05	18.96	19.04						
20	16QAM	1	99	19	19.04	18.99	20.5	0				
20	16QAM	50	0	19.03	18.98	18.94						
20	16QAM	50	24	18.82	18.84	18.82						
20	16QAM	50	50	18.96	18.9	18.97						
20	256QAM	1	0	17.42	17.28	17.19	19	1.5				
20	256QAM	1	49	17.22	17.28	17.27						
20	256QAM	50	0	17.26	17.24	17.24						
20	256QAM	50	0	17.31	17.41	17.53						
20	256QAM	50	24	17.29	17.41	17.53	19	1.5				
20	256QAM	50	50	17.43	17.31	17.38						
20	256QAM	100	0	17.36	17.27	17.35						
20	256QAM	100	0	17.37	17.27	17.35						
Channel												
Frequency (MHz)												
16	QPSK	1	0	19.02	18.91	18.9	20.5	0				
16	QPSK	1	37	18.87	18.85	18.91						
16	QPSK	1	74	18.98	18.82	18.93						
16	QPSK	36	0	18.98	18.89	18.88						
16	QPSK	36	20	18.88	18.73	18.79	20.5	0				
16	QPSK	36	36	18.91	18.78	18.89						
16	QPSK	75	0	18.81	18.7	18.78						
16	16QAM	1	0	18.94	18.91	18.99						
16	16QAM	1	37	18.84	18.86	18.89	20.5	0				
16	16QAM	36	0	18.93	18.88	18.84						
16	16QAM	36	20	18.81	18.78	18.88						
16	16QAM	36	39	18.88	18.89	18.97						
16	16QAM	75	0	18.79	18.82	18.9	20.5	0				
16	16QAM	75	0	18.88	18.94	18.98						
16	16QAM	1	37	18.92	18.93	18.92						
16	16QAM	1	74	18.87	18.96	18.92						
16	16QAM	36	0	18.81	18.84	18.74	20.5	0				
16	16QAM	36	20	18.74	18.6	18.74						
16	16QAM	36	39	18.87	18.86	18.89						
16	16QAM	75	18.88	18.84	18.84							
16	256QAM	1	0	17.39	17.27	17.33	19	1.5				
16	256QAM	1	37	17.10	17.15	17.22						
16	256QAM	50	0	17.18	17.17	17.14						
16	256QAM	36	0	17.25	17.30	17.44						
16	256QAM	36	20	17.17	17.28	17.38	19	1.5				
16	256QAM	36	39	17.35	17.29	17.33						
16	256QAM	75	0	17.29	17.17	17.29						
16	256QAM	75	0	17.29	17.17	17.29						
Channel												
Frequency (MHz)												
16	QPSK	1	0	19.08	18.92	18.89	20.5	0				
16	QPSK	1	25	18.86	18.83	18.82						
16	QPSK	1	49	18.9	18.82	18.93						
16	QPSK	25	0	18.96	18.88	18.9						
16	QPSK	25	12	18.88	18.73	18.74	20.5	0				
16	QPSK	25	25	18.93	18.83	18.97						
16	QPSK	50	0	18.88	18.76	18.79						
16	16QAM	1	0	19	18.95	18.97						
16	16QAM	1	49	18.98	18.92	18.97	20.5	0				
16	16QAM	1	99	18.98	18.95	18.93						
16	16QAM	25	0	18.87	18.86	18.92						
16	16QAM	25	12	18.89	18.73	18.89						
16	16QAM	25	25	18.88	18.82	18.93	20.5	0				
16	16QAM	50	0	18.72	18.79	18.89						
16	16QAM	1	0	18.85	18	18.95						
16	16QAM	1	25	18.86	18.91	18.93						
16	16QAM	1	49	18.9	18.79	18.79	20.5	0				
16	16QAM	25	0	18.87	18.88	18.88						
16	16QAM	25	12	18.89	18.73	18.88						
16	16QAM	50	0	18.97	18.84	18.91						
16	256QAM	1	0	17.38	17.18	17.06	19	1.5				
16	256QAM	1	25	17.09	17.1	17.15						
16	256QAM	1	49	17.14	17.11	17.14						
16	256QAM	25	0	17.20	17.38	17.43						
16	256QAM	25	12	17.23	17.29	17.28	19	1.5				
16	256QAM	25	25	17.31	17.27	17.28						
16	256QAM	50	0	17.30	17.24	17.33						
16	256QAM	50	0	17.30	17.24	17.33						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.03	18.96	18.93	20.5	0				
5	QPSK	1	19	18.8	18.76	18.85						
5	QPSK	1	24	18.92	18.86	18.86						
5	QPSK	12	0	18.92	18.89	18.93						
5	QPSK	12	7	18.89	18.88	18.79	20.5	0				
5	QPSK	12	13	18.81	18.79	18.9						
5	QPSK	25	0	18.9	18.79	18.72						
5	16QAM	1	0	18.99	18.96	18.93						
5	16QAM	1	19	18.93	18.88	18.93	20.5	0				
5	16QAM	1	24	19.01	18.93	18.88						
5	16QAM	12	0	18.89	18.84	18.86						
5	16QAM	12	7	18.87	18.79	18.82						
5	16QAM	12	13	18.81	18.9	18.95	20.5	0				
5	16QAM	25	0	18.79	18.83	18.97						
5	16QAM	1	0	18.86	18.94	18.91						
5	16QAM	1	19	18.9	18.9	18.94						
5	16QAM	1	24	19.04	18.93	18.93	20.5	0				
5	16QAM	12	0	18.88	18.85	18.74						
5	16QAM	12	7	18.71	18.75	18.73						
5	16QAM	12	13	18.88	18.81	18.9						
5	16QAM	25	0	18.92	18.86	18.94	20.5	0				
5	256QAM	1	0	17.39	17.18	17.15						
5	256QAM	1	49	17.10	17.15	17.17						
5	256QAM	12	0	17.29	17.30	17.46						
5	256QAM	12	13	17.25	17.29	17.25	19	1.5				
5	256QAM	12	13	17.38	17.26	17.27						
5	256QAM	25	0	17.28	17.22	17.27						
5	256QAM	25	0	17.28	17.22	17.27						

Band 7_Ant 3_Other PA												
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Tune-up Int. (s)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.20	16.11	16.25	17.5	0				
20	QPSK	1	49	16.14	16.07	16.12						
20	QPSK	1	99	16.14	16.12	16.09						
20	QPSK	50	0	16.10	16.09	16.20						
20	QPSK	50	24	16.06	16.04	16.18	17.5	0				
20	QPSK	50	50	16.03	16.11	16.05						
20	QPSK	100	0	16.16	16.13	16.16	17.5	0				
20	QPSK	100	24	16.12	16.09	16.15						
20	QPSK	100	49	16.20	16.22	16.23						
20	QPSK	1	99	16.18	16.19	16.16						
20	QPSK	50	24	16.06	16.05	16.07	17.5	0				
20	QPSK	50	50	16.07	16.08	16.06						
20	QPSK	100	0	16.12	16.15	16.16						
20	QPSK	100	49	16.19	16.16	16.14						
20	QPSK	50	24	16.06	16.04	16.14	17.5	0				
20	QPSK	50	50	16.03	16.11	16.05						
20	QPSK	100	0	16.07	16.07	16.19						
20	QPSK	100	49	16.15	16.12	16.11						
20	QPSK	1	0	15.99	15.91	16.04	17.5	0				
20	QPSK	1	49	15.93	15.86	15.94						
20	QPSK	1	99	15.91	15.92	15.91						
20	QPSK	50	0	16.04	16.08	16.07						
20	QPSK	50	24	15.97	15.94	16.04	17.5	0				
20	QPSK	50	50	15.96	15.99	15.94						
20	QPSK	100	0	15.95	15.97	16.14	17.5	0				
20	QPSK	100	24	15.90	15.99	16.08						
Channel												
Frequency (MHz)												
15	QPSK	1	0	16.13	16.04	16.22	17.5	0				
15	QPSK	1	37	16.03	16.04	16.08						
15	QPSK	1	75	16.07	16.05	16.07						
15	QPSK	36	0	16.07	16.01	16.07						
15	QPSK	36	20	15.93	15.94	16.05	17.5	0				
15	QPSK	36	56	15.98	15.98	16.04						
15	QPSK	75	0	15.99	16.04	16.15	17.5	0				
15	QPSK	75	0	16.09	16.16	16.14						
15	QPSK	75	36	16.11	16.11	16.14						
15	QPSK	1	74	16.11	16.13	16.11						
15	QPSK	36	0	16.14	16.03	15.95	17.5	0				
15	QPSK	36	20	15.94	15.94	15.94						
15	QPSK	36	56	15.94	15.94	16.04						
15	QPSK	75	0	16.08	16.04	16.05						
15	QPSK	75	36	16.05	16.05	16.05	17.5	0				
15	QPSK	1	37	16.09	16.03	16.02						
15	QPSK	1	74	16.02	16.01	16.09						
15	QPSK	36	0	16.05	16.06	16.06						
15	QPSK	36	20	15.94	15.91	15.99	17.5	0				
15	QPSK	36	56	15.94	15.93	15.93						
15	QPSK	75	0	15.94	15.95	15.93	17.5	0				
15	QPSK	75	36	15.94	15.95	15.94						
15	QPSK	1	37	15.94	15.88	15.92						
15	QPSK	1	74	15.88	15.88	15.92						
15	QPSK	36	0	15.97	15.98	16.02	17.5	0				
15	QPSK	36	20	15.94	15.94	16.02						
15	QPSK	36	56	15.94	15.94	16.02	17.5	0				
15	QPSK	75	0	15.77	15.93	16.00						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.14	16.07	16.19	17.5	0				
10	QPSK	1	25	16.02	15.96	16.07						
10	QPSK	1	50	16.05	16.04	16.04						
10	QPSK	25	0	16.03	15.96	16.15						
10	QPSK	25	12	15.99	16.01	16.11	17.5	0				
10	QPSK	25	37	16.03	16.03	16.03						
10	QPSK	50	0	16.08	16.16	16.11	17.5	0				
10	QPSK	1	0	16	15.19	16.09						
10	QPSK	1	49	16.05	16.06	16.12						
10	QPSK	25	0	16.07	16.03	15.94						
10	QPSK	25	12	15.94	15.94	16.05	17.5	0				
10	QPSK	25	37	16.03	15.89	16.06						
10	QPSK	50	0	16.06	16.06	16.06	17.5	0				
10	QPSK	50	12	16.02	16.02	16.04						
10	QPSK	1	25	16.14	16.07	16.09						
10	QPSK	1	49	16.07	16	16.03						
10	QPSK	25	12	16.02	16.02	16.05	17.5	0				
10	QPSK	25	37	16.03	15.98	16.03						
10	QPSK	50	0	16.08	16.08	16.08	17.5	0				
10	QPSK	25	12	15.97	15.95	16.04						
10	QPSK	25	37	16.03	15.95	16.04						
10	QPSK	50	0	15.88	15.95	16.01						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.13	16.07	16.23	17.5	0				
5	QPSK	1	12	16.04	16.02	16						
5	QPSK	1	24	16.06	16.06	16.06						
5	QPSK	12	0	16.06	15.97	16.13						
5	QPSK	12	6	15.93	16	16.12	17.5	0				
5	QPSK	12	12	16.07	16.07	16.07						
5	QPSK	25	0	16.07	16.07	16.13	17.5	0				
5	QPSK	1	0	16.01	16.19	16.14						
5	QPSK	1	12	16.17	16.17	16.17						
5	QPSK	1	24	16.13	16.09	16.15						
5	QPSK	12	0	16.08	16.03	15.94	17.5	0				
5	QPSK	12	6	16.07	16.08	16.07						
5	QPSK	12	12	15.99	15.95	16.11	17.5	0				
5	QPSK	25	0	16.1	16.13	16.08						
5	QPSK	25	6	16.11	16.11	16.08						
5	QPSK	1	12	16.11	16.06	16.11						
5	QPSK	1	24	16.03	16.06	16.03	17.5	0				
5	QPSK	12	0	16.07	16.07	16.07						
5	QPSK	12	6	15.93	15.97	16.05	17.5	0				
5	QPSK	12	12	15.97	15.95	16.02						
5	QPSK	25	0	15.84	15.88	15.96						
5	QPSK	25	6	15.87	15.87	15.89						
5	QPSK	12	0	16.04	16.04	16.04	17.5	0				
5	QPSK	12	6	16.02	16.02	16.02						
5	QPSK	25	0	16.11	16.09	16.07	17.5	0				
5	QPSK	25	6	16.08	16.08	16.08						
5	QPSK	25	12	15.84	15.82	15.84						
5	QPSK	25	18	15.86	15.92	15.86						



Band 66_Ant_1_Other PA												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq 130072	Power MBS 130322	Power HSP 130572	Power Ch / Freq 130072	Power Ch / Freq 130322	Power Ch / Freq 130572	Tune-up (dBm)	MPR (dB)	
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.91	16.95	17.07						
20	QPSK	1	49	16.92	16.84	16.84				18	0	
20	QPSK	1	99	16.93	16.85	16.85						
20	QPSK	50	0	16.73	16.85	16.95						
20	QPSK	50	24	16.76	16.83	16.94				18	0	
20	QPSK	50	50	16.77	16.85	16.94						
20	QPSK	100	0	16.71	16.78	16.83						
20	16QAM	1	0	16.92	17.03	16.93				18	0	
20	16QAM	1	49	17.01	17.03	17.03						
20	16QAM	1	99	17.00	16.95	17.04						
20	16QAM	50	0	17.01	16.90	17.07						
20	16QAM	50	24	16.92	16.95	16.93				18	0	
20	16QAM	50	50	16.77	16.95	16.96						
20	16QAM	100	0	17.02	17.07	16.98						
20	64QAM	1	49	17.03	16.91	17.01				18	0	
20	64QAM	1	99	16.89	17.02	16.98						
20	64QAM	50	0	16.93	17.00	16.99						
20	64QAM	50	24	16.92	16.91	16.95				18	0	
20	64QAM	50	50	17.05	16.88	16.94						
20	64QAM	100	0	16.77	16.93	16.96						
20	256QAM	1	0	16.99	16.93	16.98						
20	256QAM	1	49	16.72	16.84	16.79				18	0	
20	256QAM	50	0	16.92	16.95	16.96						
20	256QAM	50	0	16.91	16.91	16.98						
20	256QAM	50	24	16.82	16.89	16.91				18	0	
20	256QAM	50	50	16.82	16.84	16.81						
20	256QAM	100	0	16.86	16.78	16.94						
Channel												
Frequency (MHz)												
15	QPSK	1	0	16.83	16.90	17.02						
15	QPSK	1	37	16.86	16.73	16.78				18	0	
15	QPSK	1	74	16.83	16.74	16.82						
15	QPSK	36	0	16.66	16.81	16.93						
15	QPSK	36	20	16.67	16.77	16.82				18	0	
15	QPSK	36	36	16.68	16.78	16.82						
15	QPSK	75	0	16.60	16.72	16.77						
15	16QAM	1	37	16.88	16.96	16.99				18	0	
15	16QAM	1	74	16.93	16.83	16.99						
15	16QAM	36	0	16.07	16.85	16.99				18	0	
15	16QAM	36	20	16.77	16.81	16.86						
15	16QAM	36	36	16.68	16.90	16.96						
15	16QAM	75	0	16.76	16.76	16.80						
15	64QAM	1	0	16.93	17.02	16.99						
15	64QAM	1	37	16.99	16.82	16.99				18	0	
15	64QAM	1	74	16.82	16.91	16.89						
15	64QAM	36	0	16.81	16.97	16.89						
15	64QAM	36	20	16.88	16.86	16.85				18	0	
15	64QAM	36	36	16.68	16.96	16.91						
15	64QAM	75	0	16.68	16.86	16.91						
15	256QAM	1	0	16.90	16.90	16.95						
15	256QAM	1	37	16.99	16.78	16.99				18	0	
15	256QAM	1	74	16.76	16.79	16.83						
15	256QAM	36	0	16.78	16.82	16.96						
15	256QAM	36	20	16.79	16.84	16.83				18	0	
15	256QAM	36	36	16.70	16.96	16.78						
15	256QAM	75	0	16.80	16.83	16.89						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.83	16.95	17.06						
10	QPSK	1	25	16.83	16.77	16.79				18	0	
10	QPSK	1	49	16.76	16.89	17.03						
10	QPSK	26	0	16.69	16.83	16.89						
10	QPSK	26	12	16.63	16.74	16.86				18	0	
10	QPSK	26	25	16.63	16.74	16.74						
10	QPSK	50	0	16.59	16.69	16.76						
10	16QAM	1	0	16.82	17.01	16.82				18	0	
10	16QAM	1	25	16.94	16.94	16.79						
10	16QAM	1	49	16.96	16.87	16.95						
10	16QAM	26	0	16.91	16.84	16.96				18	0	
10	16QAM	26	12	16.73	16.77	16.72						
10	16QAM	26	25	16.68	16.83	16.95						
10	16QAM	50	0	16.75	16.87	16.94						
10	64QAM	1	0	16.90	17.02	16.98						
10	64QAM	1	25	16.90	16.86	16.99				18	0	
10	64QAM	1	49	16.82	16.97	16.87						
10	64QAM	26	0	16.86	16.87	16.77						
10	64QAM	26	12	16.83	16.88	16.80				18	0	
10	64QAM	26	25	16.73	16.85	16.96						
10	64QAM	50	0	16.77	16.73	16.93						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.87	16.92	17.03						
5	QPSK	1	12	16.81	16.73	16.72				18	0	
5	QPSK	1	24	16.75	16.96	16.84						
5	QPSK	12	0	16.66	16.82	16.94						
5	QPSK	12	6	16.72	16.72	16.91				18	0	
5	QPSK	12	13	16.65	16.76	16.82						
5	QPSK	26	0	16.64	16.75	16.73						
5	16QAM	1	0	16.84	16.97	16.87				18	0	
5	16QAM	1	12	16.92	16.93	16.89						
5	16QAM	1	24	16.88	16.84	16.91						
5	16QAM	12	0	16.74	16.88	16.97						
5	16QAM	12	7	16.70	16.80	16.76				18	0	
5	16QAM	12	13	16.67	16.85	16.93						
5	16QAM	26	0	16.79	16.87	16.79						
5	64QAM	1	0	16.91	17.03	16.90				18	0	
5	64QAM	1	12	16.94	16.78	16.91						
5	64QAM	1	24	16.76	16.90	16.91						
5	64QAM	12	0	16.84	16.90	16.81						
5	64QAM	12	7	16.87	16.82	16.77				18	0	
5	64QAM	12	13	17.00	16.95	16.84						
5	256QAM	1	0	16.84	16.83	16.86						
5	256QAM	1	0	16.94	16.87	16.93						
5	256QAM	1	12	16.80	16.74	16.77				18	0	
5	256QAM	1	24	16.73	16.79	16.76						
5	256QAM	12	0	16.81	16.82	16.87						
5	256QAM	12	7	16.89	16.85	16.78				18	0	
5	256QAM	12	13	16.80	16.85	16.75						
5	256QAM	26	0	16.79	16.74	16.95						
Channel												
Frequency (MHz)												
3	QPSK	1	0	16.85	16.95	17.04						
3	QPSK	1	8	16.86	16.75	16.78				18	0	
3	QPSK	1	14	16.84	17.00	17.04						
3	QPSK	8	0	16.65	16.77	16.84						
3	QPSK	8	4	16.65	16.77	16.81				18	0	
3	QPSK	8	7	16.58	16.70	16.79						
3	QPSK	15	0	16.63	16.73	16.78						
3	16QAM	1	0	16.93	16.96	16.79				18	0	
3	16QAM	1	8	16.94	16.96	16.87						
3	16QAM	1	14	16.91	16.87	16.91						
3	16QAM	8	0	16.82	16.78	16.92						
3	16QAM	8	4	16.73	16.78	16.74				18	0	
3	16QAM	8	7	16.65	16.88	16.96						
3	16QAM	15	0	16.82	16.76	16.97						
3	64QAM	1	0	16.90	16.90	16.95						
3	64QAM	1	8	16.84	16.91	16.86				18	0	
3	64QAM	1	14	16.80	16.80	16.79						
3	64QAM	8	0	16.75	16.89	16.97						
3	64QAM	8	4	16.64	16.90	16.89				18	0	
3	256QAM	1	0	16.89	16.83	16.93						
3	256QAM	1	8	16.90	16.79	16.74				18	0	
3	256QAM	1	14	16.79	16.80	16.79						
3	256QAM	8	0	16.83	16.89	16.88						
3	256QAM	8	4	16.69	16.99	16.97				18	0	
3	256QAM	8	7	16.77	16.87	16.74						
3	256QAM	15	0	16.88	16.82	16.82						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	16.89	16.92	17.02						
1.4	QPSK	1	8	16.81	16.92	17.04				18	0	
1.4	QPSK	1	0	16.86	16.97	16.94						
1.4	QPSK	3	0	16.54	16.83	16.98						
1.4	QPSK	3	0	16.57	16.84	16.98						
1.4	QPSK	3	3	16.58	16.71	16.75				18	0	
1.4	QPSK	3	0	16.58	16.83	16.93						
1.4	QPSK	3	0	16.59								



UL CA Power

CA_7C_Ant0											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Default Power	21.92	23.00
21100	20902	QPSK	1	0	0	0	1	0	Default Power	22.13	23.00
21350	21152	QPSK	1	0	0	0	1	0	Default Power	22.11	23.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 0	21.92	23.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 0	22.13	23.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 0	22.11	23.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 1	21.92	23.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 1	22.13	23.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 1	22.11	23.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 3	21.92	23.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 3	22.13	23.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 3	22.11	23.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 4	21.92	23.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 4	22.13	23.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 4	22.11	23.00

CA_7C_Ant1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Default Power	22.32	24.00
21100	20902	QPSK	1	0	0	0	1	0	Default Power	22.43	24.00
21350	21152	QPSK	1	0	0	0	1	0	Default Power	22.29	24.00
20850	21048	QPSK	50	0	0	0	50	0	DSI 0	15.85	17.50
21100	20902	QPSK	50	0	0	0	50	0	DSI 0	16.02	17.50
21350	21152	QPSK	50	0	0	0	50	0	DSI 0	15.88	17.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 1	18.92	20.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 1	19.03	20.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 1	19.89	20.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 3	22.32	24.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 3	22.43	24.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 3	22.29	24.00
20850	21048	QPSK	50	0	0	0	50	0	DSI 4	15.85	17.50
21100	20902	QPSK	50	0	0	0	50	0	DSI 4	16.02	17.50
21350	21152	QPSK	50	0	0	0	50	0	DSI 4	15.88	17.50

CA_7C_Ant2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Default Power	23.32	24.50
21100	20902	QPSK	1	0	0	0	1	0	Default Power	23.62	24.50
21350	21152	QPSK	1	0	0	0	1	0	Default Power	23.36	24.50
20850	21048	QPSK	50	0	0	0	50	0	DSI 0	23.32	24.50
21100	20902	QPSK	50	0	0	0	50	0	DSI 0	23.62	24.50
21350	21152	QPSK	50	0	0	0	50	0	DSI 0	23.36	24.50
20850	21048	QPSK	50	0	0	0	50	0	DSI 1	18.57	19.50
21100	20902	QPSK	50	0	0	0	50	0	DSI 1	18.62	19.50
21350	21152	QPSK	50	0	0	0	50	0	DSI 1	18.49	19.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 3	23.32	24.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 3	23.62	24.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 3	23.36	24.50
20850	21048	QPSK	50	0	0	0	50	0	DSI 4	18.57	19.50
21100	20902	QPSK	50	0	0	0	50	0	DSI 4	18.62	19.50
21350	21152	QPSK	50	0	0	0	50	0	DSI 4	18.49	19.50

CA_7C_Ant3											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Default Power	23.38	25.00
21100	20902	QPSK	1	0	0	0	1	0	Default Power	23.45	25.00
21350	21152	QPSK	1	0	0	0	1	0	Default Power	23.41	25.00
20850	21048	QPSK	50	0	0	0	50	0	DSI 0	17.45	19.00
21100	20902	QPSK	50	0	0	0	50	0	DSI 0	17.55	19.00
21350	21152	QPSK	50	0	0	0	50	0	DSI 0	17.48	19.00
20850	21048	QPSK	50	0	0	0	50	0	DSI 1	18.75	20.50
21100	20902	QPSK	50	0	0	0	50	0	DSI 1	18.86	20.50
21350	21152	QPSK	50	0	0	0	50	0	DSI 1	18.82	20.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 3	23.38	25.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 3	23.45	25.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 3	23.41	25.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 4	17.45	19.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 4	17.55	19.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 4	17.48	19.00

CA_38C_Ant0											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Default Power	22.72	24.00
37901	38099	QPSK	1	0	0	0	1	0	Default Power	22.83	24.00
38150	37952	QPSK	1	0	0	0	1	0	Default Power	22.73	24.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 0	22.72	24.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 0	22.83	24.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 0	22.73	24.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 1	22.72	24.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 1	22.83	24.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 1	22.73	24.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	22.72	24.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	22.83	24.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	22.73	24.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 4	22.72	24.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 4	22.83	24.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 4	22.73	24.00

CA_38C_Ant1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Default Power	23.11	25.00
37901	38099	QPSK	1	0	0	0	1	0	Default Power	23.29	25.00
38150	37952	QPSK	1	0	0	0	1	0	Default Power	23.13	25.00
37850	38048	QPSK	50	0	0	0	50	0	DSI 0	17.31	19.00
37901	38099	QPSK	50	0	0	0	50	0	DSI 0	17.37	19.00
38150	37952	QPSK	50	0	0	0	50	0	DSI 0	17.27	19.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 1	21.25	23.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 1	21.28	23.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 1	21.22	23.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	23.11	25.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	23.29	25.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	23.13	25.00
37850	38048	QPSK	50	0	0	0	50	0	DSI 4	17.31	19.00
37901	38099	QPSK	50	0	0	0	50	0	DSI 4	17.37	19.00
38150	37952	QPSK	50	0	0	0	50	0	DSI 4	17.27	19.00

CA_38C_Ant2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	DSI	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Default Power	24.47	25.50
37901	38099	QPSK	1	0	0	0	1	0	Default Power	24.63	25.50
38150	37952	QPSK	1	0	0	0	1	0	Default Power	24.42	25.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 0	24.47	25.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 0	24.63	25.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 0	24.42	25.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 1	21.95	23.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 1	22.02	23.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 1	21.93	23.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	24.47	25.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	24.63	25.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	24.42	25.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 4	21.95	23.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 4	22.02	23.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 4	21.92	23.00



DL CA Power

Full Power
2CC

Configure		CA Configuration (BCS)	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA Tx-Power (dBm)	W/O CA Tx-Power (dBm)
Inter-Band		CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	24.64	24.77
		CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	22.57	22.73
		CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	22.96	23.10
		CA_4A-17A	Band 4	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	22.91	23.10
		CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	24.32	24.62
		CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	22.47	22.73
		CA_2A-17A	Band 2	10M	1880	18900	QPSK	1	0	Band 17	10M	740	5790	22.53	22.73
		CA_7A-26A	Band 7	20M	2535	21100	QPSK	1	0	Band 26	15M	876.5	8865	23.54	23.63
Intra-Band	Contiguous	CA_66B	Band 66	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	23.17	23.25
		CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	22.56	22.73
		CA_7C	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.80	3298	22.51	23.63
		CA_38C	Band 38	20M	2595	38000	QPSK	1	0	Band 38	20M	2614.80	38198	24.33	24.64
		CA_41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.80	40818	22.68	24.73
		CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.80	67084	23.21	23.25

3CC

Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				Power	
			LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA Tx-Power (dBm)	W/O CA Tx-Power (dBm)
Inter-Band		CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	22.56	22.73
		CA_5A-7A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	24.31	24.64
		CA_7A-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.33	22.47
		CA_5A-7A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 66	5M	2197.5	67311	24.52	24.64
		CA_5A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	24.46	24.64
		CA_12A-66A-66A	Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	24.49	24.77
		CA_4A-5A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10	881.5	2525	Band 7	5M	2687.5	3425	22.86	23.10
		CA_5A-7C	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.23	24.62
Intra-Band	Non-Contiguous	CA_41A-41A-41A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2675.8	41448	23.21	23.63
		CA_41A-41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2675.8	41448	23.30	23.63

4CC

Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				Power	
			LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA Tx-Power (dBm)	W/O CA Tx-Power (dBm)
Intra-Band	Contiguous	CA_2A-4A-7C	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.49	22.73



Default/Full Power

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				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1		23.78			
25	PI2 BPSK	1	65		24.77		25.5	0.0
25	PI2 BPSK	1	131		23.85			
25	PI2 BPSK	64	0		23.55		25.0	0.5
25	PI2 BPSK	64	32		24.69		25.5	0.0
25	PI2 BPSK	64	66		23.63		25.0	0.5
25	PI2 BPSK	128	0		23.11			
25	QPSK	1	1		23.85			
25	QPSK	1	65		24.59		25.5	0.0
25	QPSK	1	131		23.82			
25	QPSK	64	0		23.52		24.5	1.0
25	QPSK	64	32		24.58		25.5	0.0
25	QPSK	64	66		23.44		24.5	1.0
25	QPSK	128	0		23.65			
25	16QAM	1	1		23.07		24.5	1.0
25	64QAM	1	1		21.27		23.0	2.5
25	256QAM	1	1		19.81		21.0	4.5
Channel				166800	167300	167800	Tune-up limit	MPR
Frequency (MHz)				834	836.5	839	(dB)	(dB)
20	PI2 BPSK	1	1		24.62	24.68	25.5	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	PI2 BPSK	1	1		24.52	24.63	24.52	25.5 0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				836	836.5	841	(dBm)	(dB)
10	PI2 BPSK	1	1		24.57	24.62	24.48	25.5 0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	PI2 BPSK	1	1		24.51	24.66	24.55	25.5 0.0

n5_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1		23.85			
25	PI2 BPSK	1	65		24.47		25.7	0.0
25	PI2 BPSK	1	131		23.78			
25	PI2 BPSK	64	0		23.92		25.2	0.5
25	PI2 BPSK	64	32		24.44		25.7	0.0
25	PI2 BPSK	64	66		23.61		25.2	0.5
25	PI2 BPSK	128	0		23.83			
25	QPSK	1	1		23.78			
25	QPSK	1	65		24.36		25.7	0.0
25	QPSK	1	131		23.71			
25	QPSK	64	0		23.44		24.7	1.0
25	QPSK	64	32		24.35		25.7	0.0
25	QPSK	64	66		23.18		24.7	1.0
25	QPSK	128	0		23.35			
25	16QAM	1	1		22.74		24.7	1.0
25	64QAM	1	1		21.23		23.2	2.5
25	256QAM	1	1		19.59		21.2	4.5
Channel				166800	167300	167800	Tune-up limit	MPR
Frequency (MHz)				834	836.5	839	(dBm)	(dB)
20	PI2 BPSK	1	1		24.62	24.68	25.7	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	PI2 BPSK	1	1		24.57	24.61	24.61	25.7 0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				836	836.5	841	(dBm)	(dB)
10	PI2 BPSK	1	1		24.58	24.61	24.59	25.7 0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	PI2 BPSK	1	1		24.62	24.63	24.67	25.7 0.0

n7_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000		507000	509000	
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1		23.48	23.53	23.47	
50	PI2 BPSK	1	135		23.36	23.30	23.33	
50	PI2 BPSK	1	268		23.39	23.43	23.21	
50	PI2 BPSK	135	0		23.32	23.30	23.27	24.5 0.5
50	PI2 BPSK	135	68		23.44	23.45	23.37	25.0 0.0
50	PI2 BPSK	135	135		23.43	23.40	23.27	24.5 0.5
50	PI2 BPSK	270	0		23.38	23.52	23.42	
50	QPSK	1	1		23.02	23.15	23.07	
50	QPSK	1	135		23.25	23.43	23.21	25.0 0.0
50	QPSK	1	268		23.32	23.41	23.24	
50	QPSK	135	0		22.81	22.95	22.83	24.0 1.0
50	QPSK	135	68		23.34	23.32	23.37	25.0 0.0
50	QPSK	135	135		22.81	23.08	22.91	24.0 1.0
50	QPSK	270	0		22.86	22.92	22.84	24.0 1.0
50	16QAM	1	1		20.51	20.53	20.63	22.5 2.5
50	256QAM	1	1		18.53	18.59	18.59	20.5 4.5
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2520	2535	2550	(dB)	(dB)
40	PI2 BPSK	1	1		23.17	23.42	23.08	25.0 0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	PI2 BPSK	1	1		23.04	23.31	23.05	25.0 0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	PI2 BPSK	1	1		23.13	23.33	23.15	25.0 0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2310	2535	2560	(dBm)	(dB)
20	PI2 BPSK	1	1		23.10	23.44	23.09	25.0 0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	PI2 BPSK	1	1		23.08	23.42	23.08	25.0 0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	PI2 BPSK	1	1		23.08	23.40	23.13	25.0 0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	PI2 BPSK	1	1		23.08	23.37	23.05	25.0 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				505000	507000	509000	25.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	24.60	24.61	24.55		
50	PI2 BPSK	1	135	24.41	24.52	24.38		
50	PI2 BPSK	1	268	24.35	24.32	24.39	25.0	0.5
50	PI2 BPSK	135	0	24.05	24.04	23.94		
50	PI2 BPSK	135	68	24.44	24.51	24.35		
50	PI2 BPSK	135	135	23.89	23.89	23.86		
50	PI2 BPSK	270	0	23.90	24.04	23.86	25.0	0.5
50	QPSK	1	1	24.28	24.42	24.16		
50	QPSK	1	135	24.34	24.36	24.35		
50	QPSK	1	268	24.19	24.29	24.24		
50	QPSK	135	0	23.96	23.46	23.39	24.5	1.0
50	QPSK	135	68	24.42	24.59	24.49		
50	QPSK	135	135	24.16	24.18	24.11		
50	QPSK	270	0	23.26	23.41	23.39		
50	16QAM	1	1	22.81	22.78	22.73	24.5	1.0
50	64QAM	1	1	22.54	22.49	22.59		
50	256QAM	1	1	18.67	18.75	18.73		
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	24.48	24.47	24.30		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	24.58	24.47	24.27		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	24.54	24.47	24.40		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	24.60	24.48	24.38		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	24.52	24.48	24.33		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	24.52	24.48	24.27		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	24.52	24.54	24.32		

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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				505000	507000	509000	24.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.05	23.17	23.04		
50	PI2 BPSK	1	135	23.05	22.89	22.96		
50	PI2 BPSK	1	268	22.96	22.91	22.85	24.0	0.5
50	PI2 BPSK	135	0	22.92	22.98	22.95		
50	PI2 BPSK	135	68	23.00	23.06	22.99		
50	PI2 BPSK	135	135	22.96	23.04	22.96		
50	PI2 BPSK	270	0	22.93	23.01	22.95	24.0	0.5
50	QPSK	1	1	22.72	22.91	22.90		
50	QPSK	1	135	22.74	22.90	22.78		
50	QPSK	1	268	22.73	22.90	22.76		
50	QPSK	135	0	22.87	23.07	22.97	23.5	1.0
50	QPSK	135	68	22.86	23.05	22.81		
50	QPSK	135	135	22.88	23.00	22.95		
50	QPSK	270	0	22.93	23.02	22.96		
50	16QAM	1	1	22.58	22.58	22.47	23.5	1.0
50	64QAM	1	1	21.04	21.31	21.11		
50	256QAM	1	1	19.90	19.93	19.81		
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	22.85	23.00	22.84		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	22.81	23.06	22.79		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	22.86	23.05	22.80		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	22.93	22.99	22.77		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	22.80	23.04	22.75		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	22.93	22.95	22.87		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	22.86	22.98	22.87		

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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				505000	507000	509000	24.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	22.79	22.89	22.72		
50	PI2 BPSK	1	135	22.59	22.71	22.60		
50	PI2 BPSK	1	268	22.49	22.66	22.59	24.0	0.5
50	PI2 BPSK	135	0	22.06	22.32	22.21		
50	PI2 BPSK	135	68	22.62	22.77	22.65		
50	PI2 BPSK	135	135	22.23	22.96	22.13		
50	PI2 BPSK	270	0	22.46	22.57	22.49	24.5	0.0
50	QPSK	1	1	22.10	22.30	22.22		
50	QPSK	1	135	22.44	22.50	22.59		
50	QPSK	1	268	22.60	22.76	22.67		
50	QPSK	135	0	21.41	21.67	21.57	23.5	1.0
50	QPSK	135	68	22.43	22.63	22.52		
50	QPSK	135	135	21.58	21.81	21.59		
50	QPSK	270	0	21.49	21.73	21.64		
50	16QAM	1	1	20.80	21.07	21.00	23.5	1.0
50	64QAM	1	1	19.53	19.67	19.55		
50	256QAM	1	1	18.20	18.23	18.12		
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	22.54	22.73	22.74		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	22.47	22.65	22.70		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	22.52	22.70	22.70		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	22.54	22.77	22.78		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	22.44	22.72	22.67		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	22.47	22.67	22.70		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	22.45	22.67	22.75		

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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				346000	346000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.35	22.46	22.44			
40	PI/2 BPSK	1	108	22.31	22.40	22.40			
40	PI/2 BPSK	1	214	22.30	22.31	22.37	23.5	0.5	
40	PI/2 BPSK	108	0	22.38	22.22	22.34			
40	PI/2 BPSK	108	54	22.40	22.45	22.37			
40	PI/2 BPSK	108	108	22.27	22.35	22.35			
40	PI/2 BPSK	216	0	22.35	22.44	22.25	24.0	0.0	
40	QPSK	1	1	22.22	22.24	22.17			
40	QPSK	1	108	22.19	22.30	22.21			
40	QPSK	1	214	22.30	22.38	22.22			
40	QPSK	108	0	21.69	21.80	21.64	23.0	1.0	
40	QPSK	108	54	22.30	22.35	22.25			
40	QPSK	108	108	21.88	21.88	21.72			
40	QPSK	216	0	21.72	21.79	21.65			
40	16QAM	1	1	21.06	21.13	20.95	23.0	1.0	
40	64QAM	1	1	19.74	19.74	19.71			
40	256QAM	1	1	17.45	17.50	17.53			
40	256QAM	1	1	17.45	17.50	17.53			
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	PI/2 BPSK	1	1	22.30	22.40	22.40	24.0	0.0	
Channel				344500	345000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	PI/2 BPSK	1	1	22.27	22.42	22.32	24.0	0.0	
Channel				344000	345000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	PI/2 BPSK	1	1	22.21	22.34	22.32	24.0	0.0	
Channel				343500	345000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	PI/2 BPSK	1	1	22.23	22.43	22.37	24.0	0.0	
Channel				343000	345000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	PI/2 BPSK	1	1	22.25	22.33	22.36	24.0	0.0	
Channel				342500	345000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	PI/2 BPSK	1	1	22.21	22.31	22.33	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				346000	346000	352000	24.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	23.36	23.55	23.40			
40	PI/2 BPSK	1	108	23.35	23.36	23.41			
40	PI/2 BPSK	1	214	23.33	23.29	23.37	24.0	0.5	
40	PI/2 BPSK	108	0	22.80	22.86	22.77			
40	PI/2 BPSK	108	54	23.35	23.40	23.35			
40	PI/2 BPSK	108	108	22.85	22.80	22.78			
40	PI/2 BPSK	216	0	22.78	22.85	22.86	24.5	0.0	
40	QPSK	1	1	23.15	23.24	23.14			
40	QPSK	1	108	23.22	23.40	23.28			
40	QPSK	1	214	23.12	23.31	23.16			
40	QPSK	108	0	22.13	22.28	22.17	23.5	1.0	
40	QPSK	108	54	23.18	23.31	23.11			
40	QPSK	108	108	22.15	22.37	22.26			
40	QPSK	216	0	22.34	22.42	22.32			
40	16QAM	1	1	21.55	21.71	21.58	23.5	1.0	
40	64QAM	1	1	20.15	20.13	20.15			
40	256QAM	1	1	18.80	18.91	18.90			
40	256QAM	1	1	18.80	18.91	18.90			
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	PI/2 BPSK	1	1	23.32	23.49	23.39	24.5	0.0	
Channel				344500	345000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	PI/2 BPSK	1	1	23.20	23.47	23.38	24.5	0.0	
Channel				344000	345000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	PI/2 BPSK	1	1	23.31	23.38	23.31	24.5	0.0	
Channel				343500	345000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	PI/2 BPSK	1	1	23.23	23.40	23.32	24.5	0.0	
Channel				343000	345000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	PI/2 BPSK	1	1	23.24	23.41	23.34	24.5	0.0	
Channel				342500	345000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	PI/2 BPSK	1	1	23.27	23.39	23.30	24.5	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				346000	346000	352000	23.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.84	22.09	21.82		
40	PI/2 BPSK	1	108	21.92	22.08	21.90		
40	PI/2 BPSK	1	214	21.86	21.84	21.86	23.0	0.5
40	PI/2 BPSK	108	0	21.88	21.94	21.85		
40	PI/2 BPSK	108	54	21.99	22.08	21.98		
40	PI/2 BPSK	108	108	21.92	21.97	21.85		
40	PI/2 BPSK	216	0	21.92	22.04	21.78	23.5	0.0
40	QPSK	1	1	21.74	21.92	21.76		
40	QPSK	1	108	21.87	21.84	21.88		
40	QPSK	1	214	21.84	21.75	21.82		
40	QPSK	108	0	21.70	21.89	21.71	22.5	1.0
40	QPSK	108	54	21.82	21.95	21.80		
40	QPSK	108	108	21.83	21.98	21.91		
40	QPSK	216	0	21.81	21.98	21.81		
40	16QAM	1	1	21.48	21.49	21.53	22.5	1.0
40	64QAM	1	1	20.52	20.54	20.49		
40	256QAM	1	1	18.19	18.28	18.23		
40	256QAM	1	1	18.19	18.28	18.23		
Channel				345000	346000	353000	23.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.77	22.02	21.78		
30	PI/2 BPSK	1	1	21.77	22.02	21.78		
Channel				344500	345000	353500	23.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.84	21.89	21.74		
25	PI/2 BPSK	1	1	21.84	21.89	21.74		
Channel				344000	345000	354000	23.5	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.79	21.93	21.82		
20	PI/2 BPSK	1	1	21.79	21.93	21.82		
Channel				343500	345000	354500	23.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.80	21.93	21.84		
15	PI/2 BPSK	1	1	21.80	21.93	21.84		
Channel				343000	345000	355000	23.5	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.74	22.01	21.78		
10	PI/2 BPSK	1	1	21.74	22.01	21.78		
Channel				342500	345000	355500	23.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.84	21.91	21.87		
5	PI/2 BPSK	1	1	21.84	21.91	21.87		

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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				346000	346000	352000	23.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.69	21.75	21.61		
40	PI/2 BPSK	1	108	21.56	21.58	21.51		
40	PI/2 BPSK	1	214	21.52	21.70	21.56	23.0	0.5
40	PI/2 BPSK	108	0	21.20	21.22	21.09		
40	PI/2 BPSK	108	54	21.55	21.62	21.61		
40	PI/2 BPSK	108	108	21.29	21.58	21.29		
40	PI/2 BPSK	216	0	21.10	21.35	21.33	23.5	0.0
40	QPSK	1	1	21.52	21.63	21.52		
40	QPSK	1	108	21.53	21.58	21.64		
40	QPSK	1	214	21.88	21.50	21.50		
40	QPSK	108	0	20.69	20.85	20.76	22.5	1.0
40	QPSK	108	54	21.50	21.69	21.52		
40	QPSK	108	108	20.82	21.03	20.77		
40	QPSK	216	0	20.69	20.73	20.77		
40	16QAM	1	1	20.55	20.64	20.84	22.5	1.0
40	64QAM	1	1	18.73	18.86	18.89		
40	256QAM	1	1	17.37	17.69	17.47		
40	256QAM	1	1	17.37	17.69	17.47		
Channel				345000	345000	353000	23.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.56	21.67	21.57		
30	PI/2 BPSK	1	1	21.56	21.67	21.57		
Channel				344500	345000	353500	23.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.51	21.72	21.60		
25	PI/2 BPSK	1	1	21.51	21.72	21.60		
Channel				344000	345000	354000	23.5	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.57	21.65	21.51		
20	PI/2 BPSK	1	1	21.57	21.65	21.51		
Channel				343500	345000	354500	23.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.59	21.68	21.55		
15	PI/2 BPSK	1	1	21.59	21.68	21.55		
Channel				343000	345000	355000	23.5	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.56	21.68	21.57		
10	PI/2 BPSK	1	1	21.56	21.68	21.57		
Channel				342500	345000	355500	23.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.61	21.67	21.53		
5	PI/2 BPSK	1	1	21.61	21.67	21.53		



n38_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				518004	518000	518998			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.95	24.03	24.02			
40	PI2 BPSK	1	53	23.86	23.93	23.92	25.5	0.0	
40	PI2 BPSK	1	104	23.82	23.93	23.88	25.0	0.5	
40	PI2 BPSK	50	0	23.73	23.84	23.85	25.0	0.5	
40	PI2 BPSK	50	28	23.81	23.92	23.85	25.5	0.0	
40	PI2 BPSK	50	58	23.78	23.89	23.76	25.0	0.5	
40	PI2 BPSK	100	0	23.75	23.79	23.76			
40	QPSK	1	1	23.84	24.00	23.79			
40	QPSK	1	53	23.69	23.84	23.73	25.5	0.0	
40	QPSK	1	104	23.68	23.82	23.84			
40	QPSK	50	0	23.30	23.37	23.21	25.5	0.0	
40	QPSK	50	28	23.70	23.84	23.71			
40	QPSK	50	58	23.78	23.93	23.74			
40	QPSK	100	0	23.15	23.31	23.14	24.5	1.0	
40	16QAM	1	1	22.55	22.59	22.59	24.5	1.0	
40	64QAM	1	1	21.14	21.06	21.08	23.0	2.5	
40	256QAM	1	1	19.07	19.24	19.17	21.0	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	PI2 BPSK	1	1	23.73	23.91	23.86	25.5	0.0	
Channel				518254	519200	521406	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	PI2 BPSK	1	1	23.77	23.86	23.86	25.5	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	23.77	23.91	23.83	25.5	0.0	
Channel				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI2 BPSK	1	1	23.77	23.93	23.93	25.5	0.0	
Channel				518254	519200	522206	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI2 BPSK	1	1	23.74	23.89	23.85	25.5	0.0	

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518998			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	24.57	24.65	24.60			
40	PI2 BPSK	1	53	24.42	24.52	24.48	25.5	0.0	
40	PI2 BPSK	1	104	24.41	24.51	24.45	25.0	0.5	
40	PI2 BPSK	50	0	24.03	23.90	24.09	25.0	0.5	
40	PI2 BPSK	50	28	24.51	24.53	24.48	25.5	0.0	
40	PI2 BPSK	50	58	24.00	23.90	23.99	25.0	0.5	
40	PI2 BPSK	100	0	23.94	23.95	23.91			
40	QPSK	1	1	24.45	24.52	24.45			
40	QPSK	1	53	24.43	24.48	24.38	25.5	0.0	
40	QPSK	1	104	24.34	24.48	24.38			
40	QPSK	50	0	23.37	23.41	23.39	25.5	0.0	
40	QPSK	50	28	24.31	24.51	24.41			
40	QPSK	50	58	23.35	23.42	23.38			
40	QPSK	100	0	23.37	23.42	23.38	24.5	1.0	
40	16QAM	1	1	22.58	22.70	22.89	24.5	1.0	
40	64QAM	1	1	21.06	21.15	21.05	23.0	2.5	
40	256QAM	1	1	18.98	19.03	18.98	21.0	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	PI2 BPSK	1	1	24.36	24.51	24.47	25.5	0.0	
Channel				518254	519200	521406	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	PI2 BPSK	1	1	24.40	24.44	24.40	25.5	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	24.34	24.45	24.37	25.5	0.0	
Channel				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.48			
15	PI2 BPSK	1	1	24.36	24.47	24.39	25.5	0.0	
Channel				518254	519200	522206	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI2 BPSK	1	1	24.37	24.42	24.46	25.5	0.0	

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518998			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.10	23.19	23.06			
40	PI2 BPSK	1	53	23.18	23.18	23.05	24.5	0.0	
40	PI2 BPSK	1	104	23.04	23.12	23.03	24.0	0.5	
40	PI2 BPSK	50	0	22.39	22.48	22.38	24.0	0.5	
40	PI2 BPSK	50	28	22.97	23.09	23.05	24.5	0.0	
40	PI2 BPSK	50	58	22.46	22.39	22.44	24.0	0.5	
40	PI2 BPSK	100	0	22.45	22.46	22.42			
40	QPSK	1	1	22.82	22.88	22.79			
40	QPSK	1	53	22.91	23.03	23.03	24.5	0.0	
40	QPSK	1	104	22.88	22.98	22.90			
40	QPSK	50	0	22.83	22.95	22.81	24.5	0.0	
40	QPSK	50	28	22.98	23.00	22.79			
40	QPSK	50	58	22.78	22.96	22.83			
40	QPSK	100	0	21.79	22.02	21.80	23.5	1.0	
40	16QAM	1	1	21.51	21.58	21.46	23.5	1.0	
40	64QAM	1	1	19.93	20.14	19.97	22.0	2.5	
40	256QAM	1	1	18.83	19.07	18.83	20.0	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	PI2 BPSK	1	1	23.04	23.11	23.01	24.5	0.0	
Channel				518254	519200	521406	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	PI2 BPSK	1	1	23.10	23.15	23.01	24.5	0.0	
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	23.04	23.11	23.03	24.5	0.0	
Channel				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI2 BPSK	1	1	23.09	23.09	23.01	24.5	0.0	
Channel				518254	519200	522206	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI2 BPSK	1	1	23.13	23.13	23.00	24.5	0.0	

n38_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				519004	519000	519098	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI2 BPSK	1	1	23.39	23.52	23.49	
40	PI2 BPSK	1	53	23.37	23.43	23.37	25.0
40	PI2 BPSK	1	104	23.37	23.33	23.38	
40	PI2 BPSK	50	0	22.73	22.74	22.83	24.5
40	PI2 BPSK	50	26	23.41	23.43	23.34	25.0
40	PI2 BPSK	50	56	22.75	22.76	22.80	
40	PI2 BPSK	100	0	22.81	22.86	22.84	24.5
40	QPSK	1	1	23.08	23.21	23.20	
40	QPSK	1	53	23.29	23.35	23.19	25.0
40	QPSK	1	104	23.29	23.27	23.19	
40	QPSK	50	0	22.25	22.33	22.16	
40	QPSK	50	26	23.27	23.27	23.31	25.0
40	QPSK	50	56	22.15	22.26	22.17	
40	QPSK	100	0	22.21	22.22	22.28	24.0
40	16QAM	1	1	22.24	22.23	22.32	24.0
40	64QAM	1	1	20.74	20.75	20.76	22.5
40	256QAM	1	1	19.85	19.03	19.02	20.5
Channel				517002	519000	520998	
Frequency (MHz)				2585.01	2595	2604.99	
30	PI2 BPSK	1	1	23.34	23.44	23.36	25.0
Channel				515504	519000	521498	
Frequency (MHz)				2582.52	2595	2607.48	
25	PI2 BPSK	1	1	23.32	23.40	23.44	25.0
Channel				516000	519000	522000	
Frequency (MHz)				2590	2595	2610	
20	PI2 BPSK	1	1	23.29	23.44	23.37	25.0
Channel				515502	519000	522498	
Frequency (MHz)				2577.51	2595	2612.49	
15	PI2 BPSK	1	1	23.29	23.45	23.38	25.0
Channel				515504	519000	522998	
Frequency (MHz)				2575.02	2595	2614.98	
10	PI2 BPSK	1	1	23.30	23.45	23.46	25.0

n41_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				509202	518598	529200	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	24.04	24.12	24.04	
100	PI2 BPSK	1	137	23.88	23.88	23.87	25.5
100	PI2 BPSK	1	271	24.03	24.04	24.08	
100	PI2 BPSK	135	0	23.41	23.54	23.60	25.0
100	PI2 BPSK	135	69	23.98	24.10	24.05	25.5
100	PI2 BPSK	135	138	23.57	23.68	23.61	
100	PI2 BPSK	270	0	23.60	23.65	23.64	25.0
100	QPSK	1	1	23.84	23.72	23.89	
100	QPSK	1	137	23.95	24.02	23.90	25.5
100	QPSK	1	271	23.90	24.05	23.92	
100	QPSK	135	0	22.91	23.01	22.89	
100	QPSK	135	69	23.94	24.05	23.99	25.5
100	QPSK	135	138	23.08	23.12	23.00	
100	QPSK	270	0	22.87	22.97	22.84	24.5
100	16QAM	1	1	22.59	22.49	22.52	24.5
100	64QAM	1	1	21.15	21.15	21.26	23.0
100	256QAM	1	1	19.15	19.24	19.23	21.0
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.98	
90	PI2 BPSK	1	1	23.92	23.97	23.98	25.5
Channel				2531.01	2592.99	2655	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI2 BPSK	1	1	23.94	23.99	23.92	25.5
Channel				506202	518598	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	PI2 BPSK	1	1	23.90	24.02	23.95	25.5
Channel				505200	518598	531996	
Frequency (MHz)				2526	2592.99	2659.98	
60	PI2 BPSK	1	1	24.00	24.02	23.99	25.5
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI2 BPSK	1	1	23.92	23.96	23.98	25.5
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	PI2 BPSK	1	1	23.92	24.01	23.92	25.5
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	PI2 BPSK	1	1	24.00	24.05	23.96	25.5
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI2 BPSK	1	1	23.94	24.01	23.96	25.5
Channel				500700	518598	536496	
Frequency (MHz)				2503.5	2592.99	2682.49	
15	PI2 BPSK	1	1	23.94	23.98	23.99	25.5
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	PI2 BPSK	1	1	23.91	23.95	23.93	25.5

n41_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm) MPR (dB)
Channel				509202	518598	529200	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	24.50	24.60	24.48	
100	PI2 BPSK	1	137	24.48	24.43	24.54	25.5
100	PI2 BPSK	1	271	24.30	24.27	24.44	
100	PI2 BPSK	135	0	24.05	23.94	23.88	25.0
100	PI2 BPSK	135	69	24.42	24.52	24.29	25.5
100	PI2 BPSK	135	138	23.95	23.91	23.80	
100	PI2 BPSK	270	0	24.36	24.02	23.87	25.0
100	QPSK	1	1	24.22	24.26	24.20	
100	QPSK	1	137	24.29	24.39	24.24	25.5
100	QPSK	1	271	24.20	24.21	24.23	
100	QPSK	135	0	23.80	23.92	23.76	
100	QPSK	135	69	24.20	24.35	24.30	25.5
100	QPSK	135	138	23.77	23.81	23.73	
100	QPSK	270	0	23.20	23.27	23.18	24.5
100	16QAM	1	1	22.98	23.10	22.97	24.5
100	64QAM	1	1	21.81	21.85	21.83	23.0
100	256QAM	1	1	19.76	19.80	19.76	21.0
Channel				508200	518598	528996	
Frequency (MHz)				2541	2592.99	2644.98	
90	PI2 BPSK	1	1	24.46	24.49	24.40	25.5
Channel				507204	518598	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI2 BPSK	1	1	24.41	24.48	24.39	25.5
Channel				506202	518598	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	PI2 BPSK	1	1	24.43	24.47	24.40	25.5
Channel				505200	518598	531996	
Frequency (MHz)				2526	2592.99	2659.98	
60	PI2 BPSK	1	1	24.42	24.53	24.40	25.5
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI2 BPSK	1	1	24.46	24.49	24.40	25.5
Channel				503202	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	PI2 BPSK	1	1	24.44	24.55	24.41	25.5
Channel				502200	518598	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	PI2 BPSK	1	1	24.43	24.55	24.39	25.5
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI2 BPSK	1	1	24.37	24.48	24.44	25.5
Channel				500700	518598	536496	
Frequency (MHz)				2503.5	2592.99	2682.49	
15	PI2 BPSK	1	1	24.44	24.50	24.41	25.5
Channel				500202	518598	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	PI2 BPSK	1	1	24.37	24.57	24.42	25.5

n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500200	518598	526900	24.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.24	23.26	23.17			
100	PI2 BPSK	1	137	23.19	23.23	23.13	24.0	0.5	
100	PI2 BPSK	1	271	23.18	23.18	23.21			
100	PI2 BPSK	135	0	22.70	22.69	22.62			
100	PI2 BPSK	135	69	23.11	23.15	23.10	24.5	0.0	
100	PI2 BPSK	135	138	22.73	22.76	22.56			
100	PI2 BPSK	270	0	22.79	22.81	22.66			
100	QPSK	1	1	22.81	23.00	22.84	24.5	0.0	
100	QPSK	1	137	23.06	23.18	23.21			
100	QPSK	1	271	22.97	22.97	22.89			
100	QPSK	135	0	22.49	22.59	22.48	24.5	0.0	
100	QPSK	135	69	23.23	23.21	23.10			
100	QPSK	135	138	22.67	22.72	22.62			
100	QPSK	270	0	22.01	22.17	22.04	23.5	1.0	
100	16QAM	1	1	21.67	21.75	21.67	23.5	1.0	
100	64QAM	1	1	20.61	20.65	20.60	22.0	2.5	
100	256QAM	1	1	18.88	18.92	18.70	20.0	4.5	
Channel				500200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.5	0.0	
90	PI2 BPSK	1	1	23.18	23.10	23.11			
Channel				502200	518598	527200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	24.5	0.0	
80	PI2 BPSK	1	1	23.20	23.23	23.07			
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2645	24.5	0.0	
70	PI2 BPSK	1	1	23.19	23.17	23.08			
Channel				500200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	24.5	0.0	
60	PI2 BPSK	1	1	23.13	23.14	23.11			
Channel				504200	518598	532300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.5	0.0	
50	PI2 BPSK	1	1	23.13	23.19	23.10			
Channel				500202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.5	0.0	
40	PI2 BPSK	1	1	23.15	23.20	23.05			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.5	0.0	
30	PI2 BPSK	1	1	23.15	23.23	23.09			
Channel				504200	518598	535200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.5	0.0	
20	PI2 BPSK	1	1	23.14	23.18	23.12			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2682.48	24.5	0.0	
15	PI2 BPSK	1	1	23.12	23.20	23.14			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.5	0.0	
10	PI2 BPSK	1	1	23.16	23.15	23.11			

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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				500200	518598	526900	25.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.35	23.48	23.35			
100	PI2 BPSK	1	137	23.27	23.35	23.24	24.5	0.5	
100	PI2 BPSK	1	271	23.19	23.20	23.31			
100	PI2 BPSK	135	0	22.65	22.85	22.82			
100	PI2 BPSK	135	69	23.39	23.43	23.35	24.5	0.0	
100	PI2 BPSK	135	138	22.89	22.89	22.74			
100	PI2 BPSK	270	0	22.79	22.85	22.76			
100	QPSK	1	1	23.03	23.12	23.02	25.0	0.0	
100	QPSK	1	137	23.27	23.30	23.23			
100	QPSK	1	271	23.07	23.19	23.07			
100	QPSK	135	0	23.01	23.08	22.94	25.0	0.0	
100	QPSK	135	69	23.22	23.27	23.13			
100	QPSK	135	138	23.13	23.22	23.11			
100	QPSK	270	0	22.44	22.64	22.50	24.0	1.0	
100	16QAM	1	1	22.41	22.43	22.38	24.0	1.0	
100	64QAM	1	1	20.86	20.70	20.58	22.5	2.5	
100	256QAM	1	1	18.05	18.03	18.89	20.5	4.5	
Channel				508200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	25.0	0.0	
90	PI2 BPSK	1	1	23.08	23.28	23.17			
Channel				502200	518598	527200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	25.0	0.0	
80	PI2 BPSK	1	1	23.12	23.28	23.13			
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2645	25.0	0.0	
70	PI2 BPSK	1	1	23.12	23.23	23.14			
Channel				500200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	25.0	0.0	
60	PI2 BPSK	1	1	23.16	23.30	23.20			
Channel				504200	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	25.0	0.0	
50	PI2 BPSK	1	1	23.06	23.27	23.12			
Channel				500202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	25.0	0.0	
40	PI2 BPSK	1	1	23.13	23.20	23.14			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	25.0	0.0	
30	PI2 BPSK	1	1	23.11	23.25	23.20			
Channel				504200	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	25.0	0.0	
20	PI2 BPSK	1	1	23.14	23.28	23.12			
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2682.48	25.0	0.0	
15	PI2 BPSK	1	1	23.05	23.28	23.20			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	25.0	0.0	
10	PI2 BPSK	1	1	23.13	23.22	23.21			

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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				633334						
Frequency (MHz)				3500.01						
100	PI2 BPSK	1	1	20.48						
100	PI2 BPSK	1	137	20.42			22.0	0.0		
100	PI2 BPSK	1	271	20.29						
100	PI2 BPSK	135	0	20.31			21.5	0.5		
100	PI2 BPSK	135	69	20.40			22.0	0.0		
100	PI2 BPSK	135	138	20.33			21.5	0.5		
100	PI2 BPSK	270	0	20.37						
100	QPSK	1	1	19.89						
100	QPSK	1	137	20.34			22.0			
100	QPSK	1	271	20.39						
100	QPSK	135	0	20.01						
100	QPSK	135	69	20.36			22.0	0.0		
100	QPSK	135	138	20.03						
100	QPSK	270	0	20.38			21.0	1.0		
100	16QAM	1	1	19.08			21.0	1.0		
100	64QAM	1	1	17.53			19.5	2.5		
100	256QAM	1	1	15.58			17.5	4.5		
Channel				633000			633334	636666		
Frequency (MHz)				3496.02			3500.01	3504.99		
90	PI2 BPSK	1	1	20.38			20.44	20.35	22.0	MPR (dB)
Channel				632668			633334	634000		
Frequency (MHz)				3496.02			3500.01	3510		
80	PI2 BPSK	1	1	20.30			20.45	20.36	22.0	0.0
Channel				632332			633334	634332		
Frequency (MHz)				3485.01			3500.01	3514.98		
70	PI2 BPSK	1	1	20.29			20.42	20.32	22.0	0.0
Channel				632000			633334	634666		
Frequency (MHz)				3480.02			3500.01	3516.99		
60	PI2 BPSK	1	1	20.30			20.35	20.34	22.0	0.0
Channel				631668			633334	635000		
Frequency (MHz)				3475.02			3500.01	3525		
50	PI2 BPSK	1	1	20.30			20.38	20.34	22.0	0.0
Channel				631332			633334	635332		
Frequency (MHz)				3470.01			3500.01	3528.98		
40	PI2 BPSK	1	1	20.31			20.37	20.35	22.0	0.0
Channel				631000			633334	635666		
Frequency (MHz)				3465			3500.01	3534.99		
30	PI2 BPSK	1	1	20.36			20.36	20.40	22.0	0.0
Channel				630668			633334	635932		
Frequency (MHz)				3462.51			3500.01	3537.48		
25	PI2 BPSK	1	1	20.29			20.44	20.37	22.0	0.0
Channel				630668			633334	636000		
Frequency (MHz)				3460.02			3500.01	3540		
20	PI2 BPSK	1	1	20.38			20.43	20.34	22.0	0.0
Channel				630500			633334	636166		
Frequency (MHz)				3457.5			3500.01	3542.49		
15	PI2 BPSK	1	1	20.38			20.45	20.32	22.0	0.0
Channel				630332			633334	636332		
Frequency (MHz)				3455.01			3500.01	3544.98		
10	PI2 BPSK	1	1	20.29			20.41	20.32	22.0	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				65000	65000	65000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	20.55	20.62	20.53	22.0	0.0
100	PI2 BPSK	1	137	20.29	20.51	20.17		
100	PI2 BPSK	1	271	20.26	20.40	20.14		
100	PI2 BPSK	135	0	20.37	20.30	20.17	21.5	0.5
100	PI2 BPSK	135	69	20.48	20.50	20.46	22.0	0.0
100	PI2 BPSK	135	138	20.31	20.44	20.18	21.5	0.5
100	PI2 BPSK	270	0	20.50	20.51	20.43		
100	QPSK	1	1	20.05	20.28	20.20		
100	QPSK	1	137	20.16	20.33	20.18	22.0	0.0
100	QPSK	1	271	19.95	19.86	19.97	22.0	0.0
100	QPSK	135	0	20.16	20.32	20.16		
100	QPSK	135	69	20.24	20.36	20.13		
100	QPSK	135	138	20.15	20.12	20.20	25.0	1.0
100	QPSK	270	0	20.25	20.35	20.05		
100	16QAM	1	1	19.43	19.59	19.38	21.0	1.0
100	64QAM	1	1	17.67	17.86	17.85	19.5	2.5
100	256QAM	1	1	15.43	15.71	15.61	17.5	4.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98	22.0	0.0
90	PI2 BPSK	1	1	20.43	20.56	20.47		
Channel				633334	655000	634566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99	22.0	0.0
80	PI2 BPSK	1	1	20.37	20.58	20.44		
Channel				645000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724	3840	3945	22.0	0.0
70	PI2 BPSK	1	1	20.42	20.51	20.41		
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98	22.0	0.0
60	PI2 BPSK	1	1	20.39	20.54	20.49		
Channel				631334	655000	634566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	22.0	0.0
50	PI2 BPSK	1	1	20.44	20.58	20.44		
Channel				645000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	22.0	0.0
40	PI2 BPSK	1	1	20.43	20.52	20.50		
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98	22.0	0.0
30	PI2 BPSK	1	1	20.42	20.50	20.50		
Channel				637500	655000	634500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840.00	3967.50	22.0	0.0
25	PI2 BPSK	1	1	20.41	20.55	20.45		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	22.0	0.0
20	PI2 BPSK	1	1	20.41	20.52	20.47		
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	22.0	0.0
15	PI2 BPSK	1	1	20.42	20.50	20.43		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	22.0	0.0
10	PI2 BPSK	1	1	20.37	20.54	20.45		

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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				633334	633334	3500.01	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					23.91	24.01		
100	PI2 BPSK	1	1		23.85	23.76	25.5	0.0
100	PI2 BPSK	1	137		23.79	23.68		
100	PI2 BPSK	1	271		23.79	23.68		
100	PI2 BPSK	135	0		23.38	23.38	25.0	0.5
100	PI2 BPSK	135	69		23.81	23.81	25.5	0.0
100	PI2 BPSK	135	138		23.55	23.55	25.0	0.5
100	PI2 BPSK	270	0		23.55	23.55		
100	QPSK	1	1		23.69	23.69		
100	QPSK	1	137		23.73	23.73	25.5	0.0
100	QPSK	1	271		23.77	23.77	25.5	0.0
100	QPSK	135	0		23.66	23.66		
100	QPSK	135	69		23.75	23.75		
100	QPSK	135	138		23.68	23.68	24.5	1.0
100	QPSK	270	0		22.81	22.81		
100	16QAM	1	1		22.68	22.68		
100	64QAM	1	1		21.21	21.21	23.0	2.5
100	256QAM	1	1		19.25	19.25	21.0	4.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99	25.0	0.0
90	PI2 BPSK	1	1	23.79	23.83	23.76		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	25.0	0.0
80	PI2 BPSK	1	1	23.74	23.82	23.76		
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98	25.5	0.0
70	PI2 BPSK	1	1	23.77	23.79	23.77		
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99	25.0	0.0
60	PI2 BPSK	1	1	23.81	23.82	23.80		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	25.0	0.0
50	PI2 BPSK	1	1	23.79	23.86	23.74		
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98	25.0	0.0
40	PI2 BPSK	1	1	23.81	23.87	23.73		
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99	25.0	0.0
30	PI2 BPSK	1	1	23.77	23.86	23.81		
Channel				630834	633334	635998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.48	25.0	0.0
25	PI2 BPSK	1	1	23.79	23.82	23.79		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	25.0	0.0
20	PI2 BPSK	1	1	23.76	23.85	23.80		
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.48	25.0	0.0
15	PI2 BPSK	1	1	23.75	23.80	23.73		
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98	25.0	0.0
10	PI2 BPSK	1	1	23.79	23.85	23.71		

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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	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.05	24.11	24.01	25.5	0.0
100	PI2 BPSK	1	137	23.87	23.89	24.10		
100	PI2 BPSK	1	271	23.65	24.02	23.99		
100	PI2 BPSK	135	0	23.88	23.83	24.04	25.0	0.5
100	PI2 BPSK	135	69	23.88	24.10	24.02	25.5	0.0
100	PI2 BPSK	135	138	23.81	23.90	24.06	25.0	0.5
100	PI2 BPSK	270	0	23.91	24.03	24.01		
100	QPSK	1	1	23.70	23.83	23.84		
100	QPSK	1	137	23.94	24.01	23.94	25.5	0.0
100	QPSK	1	271	23.94	24.03	23.89	25.5	0.0
100	QPSK	135	0	23.53	23.56	23.48		
100	QPSK	135	69	23.90	23.96	24.00		
100	QPSK	135	138	23.46	23.56	23.48	24.5	1.0
100	QPSK	270	0	23.42	23.57	23.49		
100	16QAM	1	1	22.48	22.49	22.49	24.5	1.0
100	64QAM	1	1	21.05	21.03	21.08	23.0	2.5
100	256QAM	1	1	19.00	19.02	19.01	21.0	4.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98	25.5	0.0
90	PI2 BPSK	1	1	23.99	24.03	23.96		
Channel				649334	655000	649566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3934.99	25.5	0.0
80	PI2 BPSK	1	1	23.52	24.04	23.98		
Channel				649000	655000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	25.5	0.0
70	PI2 BPSK	1	1	23.95	24.07	23.91		
Channel				648801	655000	649332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98	25.5	0.0
60	PI2 BPSK	1	1	24.00	24.01	23.90		
Channel				648334	655000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3726.01	3840	3944.99	25.5	0.0
50	PI2 BPSK	1	1	23.99	24.05	23.93		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	25.5	0.0
40	PI2 BPSK	1	1	24.00	24.04	23.91		
Channel				647668	655000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98	25.5	0.0
30	PI2 BPSK	1	1	23.93	24.07	23.93		
Channel				647500	655000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.50	25.5	0.0
25	PI2 BPSK	1	1	23.82	24.02	23.96		
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3962.99	25.5	0.0
20	PI2 BPSK	1	1	23.89	24.08	23.89		
Channel				647168	655000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.51	3840	3972.48	25.5	0.0
15	PI2 BPSK	1	1	24.01	24.01	23.94		
Channel				647000	655000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	25.5	0.0
10	PI2 BPSK	1	1	23.92	24.04	23.94		

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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				633334			25.0	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		24.10		25.0	0.0	
100	PI2 BPSK	1	137		23.97				
100	PI2 BPSK	1	271		23.88				
100	PI2 BPSK	135	0		23.97		24.5	0.5	
100	PI2 BPSK	135	69		23.99		25.0	0.0	
100	PI2 BPSK	135	138		23.75		24.5	0.5	
100	PI2 BPSK	270	0		23.97		25.0	0.0	
100	QPSK	1	1		23.63				
100	QPSK	1	137		23.79				
100	QPSK	1	271		23.55		25.0	0.0	
100	QPSK	135	0		23.77				
100	QPSK	135	69		23.78				
100	QPSK	135	138		23.66		24.0	1.0	
100	QPSK	270	0		23.82				
100	16QAM	1	1		22.97		24.0	1.0	
100	64QAM	1	1		21.30		22.5	2.5	
100	256QAM	1	1		18.51		20.5	4.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	25.0	0.0	
90	PI2 BPSK	1	1	24.02	24.03	23.92	25.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	25.0	0.0	
80	PI2 BPSK	1	1	24.00	24.03	23.92	25.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	25.0	0.0	
70	PI2 BPSK	1	1	24.01	23.99	23.98	25.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	25.0	0.0	
60	PI2 BPSK	1	1	23.98	24.00	23.95	25.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	25.0	0.0	
50	PI2 BPSK	1	1	23.99	24.06	23.90	25.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	25.0	0.0	
40	PI2 BPSK	1	1	24.00	24.02	23.95	25.0	0.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	25.0	0.0	
30	PI2 BPSK	1	1	23.95	23.96	23.91	25.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	25.0	0.0	
25	PI2 BPSK	1	1	23.97	24.01	23.93	25.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	25.0	0.0	
20	PI2 BPSK	1	1	23.98	24.04	24.00	25.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	25.0	0.0	
15	PI2 BPSK	1	1	23.92	24.07	23.96	25.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	25.0	0.0	
10	PI2 BPSK	1	1	23.93	24.04	23.95	25.0	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				650000	656000	662000	25.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	24.13	24.17	23.82	25.0	0.0	
100	PI2 BPSK	1	137	24.12	23.66	23.74			
100	PI2 BPSK	1	271	23.74	23.43	23.78			
100	PI2 BPSK	135	0	24.00	23.79	23.43	24.5	0.5	
100	PI2 BPSK	135	69	24.01	24.05	23.76	25.0	0.0	
100	PI2 BPSK	135	138	23.98	23.72	23.60	24.5	0.5	
100	PI2 BPSK	270	0	23.95	23.99	23.89			
100	QPSK	1	1	23.80	23.96	23.78			
100	QPSK	1	137	23.75	23.88	23.79	25.0	0.0	
100	QPSK	1	271	23.54	23.68	23.54			
100	QPSK	135	0	23.45	23.49	23.47			
100	QPSK	135	69	23.97	24.04	23.91	25.0	0.0	
100	QPSK	135	138	23.13	23.29	23.12			
100	QPSK	270	0	23.26	23.43	23.34			
100	16QAM	1	1	22.70	22.79	22.73	24.0	1.0	
100	64QAM	1	1	21.10	21.13	21.07	22.5	2.5	
100	256QAM	1	1	18.46	18.55	18.51	20.5	4.5	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	25.0	0.0	
90	PI2 BPSK	1	1	24.04	24.12	23.69	25.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	25.0	0.0	
80	PI2 BPSK	1	1	24.04	24.12	23.75	25.0	0.0	
Channel				649000	650000	650300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	25.0	0.0	
70	PI2 BPSK	1	1	24.04	24.10	23.76	25.0	0.0	
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	25.0	0.0	
60	PI2 BPSK	1	1	24.03	24.08	23.76	25.0	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	25.0	0.0	
50	PI2 BPSK	1	1	24.08	24.05	23.73	25.0	0.0	
Channel				648000	650000	650400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	25.0	0.0	
40	PI2 BPSK	1	1	24.06	24.04	23.74	25.0	0.0	
Channel				647668	650000	650432	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840.03	3964.98	25.0	0.0	
30	PI2 BPSK	1	1	24.02	24.07	23.70	25.0	0.0	
Channel				647334	650000	650900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	25.0	0.0	
25	PI2 BPSK	1	1	24.00	24.11	23.70	25.0	0.0	
Channel				647000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840.00	3967.50	25.0	0.0	
20	PI2 BPSK	1	1	24.07	24.05	23.77	25.0	0.0	
Channel				647168	650000	650432	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48	25.0	0.0	
15	PI2 BPSK	1	1	24.02	24.05	23.75	25.0	0.0	
Channel				647000	650000	650500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	25.0	0.0	
10	PI2 BPSK	1	1	24.00	24.08	23.70	25.0	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				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		20.50		22.0	0.0	
100	PI2 BPSK	1	137		20.45				
100	PI2 BPSK	1	271		20.33				
100	PI2 BPSK	135	0		20.45		21.5	0.5	
100	PI2 BPSK	135	69		20.48		22.0	0.0	
100	PI2 BPSK	135	138		20.38		21.5	0.5	
100	PI2 BPSK	270	0		20.38				
100	QPSK	1	1		20.16		22.0	0.0	
100	QPSK	1	137		20.16				
100	QPSK	1	271		20.40				
100	QPSK	135	0		20.19		22.0	0.0	
100	QPSK	135	69		20.29				
100	QPSK	135	138		20.12				
100	QPSK	270	0		20.43		21.0	1.0	
100	16QAM	1	1		19.07		21.0	1.0	
100	64QAM	1	1		17.56		19.5	2.5	
100	256QAM	1	1		15.61		17.5	4.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486	3500.01	3504.99			
90	PI2 BPSK	1	1	20.43	20.43	20.38	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1	20.44	20.37	20.40	22.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1	20.45	20.38	20.41	22.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3518.09			
60	PI2 BPSK	1	1	20.42	20.47	20.34	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3505			
50	PI2 BPSK	1	1	20.38	20.38	20.36	22.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3526.98			
40	PI2 BPSK	1	1	20.41	20.46	20.40	22.0	0.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.00	3500.01	3534.99			
30	PI2 BPSK	1	1	20.40	20.42	20.37	22.0	0.0	
Channel				630664	633334	636002	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1	20.40	20.44	20.37	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1	20.36	20.40	20.37	22.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1	20.42	20.47	20.33	22.0	0.0	
Channel				630234	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1	20.37	20.46	20.39	22.0	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				65000	65000	65000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	20.37	20.54	20.40	22.0	0.0
100	PI2 BPSK	1	137	20.33	20.28	20.35		
100	PI2 BPSK	1	271	20.19	20.13	20.37		
100	PI2 BPSK	135	0	20.44	20.38	20.29	21.5	0.5
100	PI2 BPSK	135	69	20.50	20.51	20.44	22.0	0.0
100	PI2 BPSK	135	138	20.39	20.28	20.35	21.5	0.5
100	PI2 BPSK	270	0	20.46	20.49	20.43		
100	QPSK	1	1	20.42	20.45	20.35		
100	QPSK	1	137	20.35	20.49	20.36	22.0	0.0
100	QPSK	1	271	20.11	20.25	20.19		
100	QPSK	135	0	20.31	20.31	20.21		
100	QPSK	135	69	20.38	20.41	20.36	22.0	0.0
100	QPSK	135	138	20.07	20.21	20.08		
100	QPSK	270	0	20.06	20.30	20.08		
100	16QAM	1	1	19.38	19.46	19.37	21.0	1.0
100	64QAM	1	1	17.71	17.80	17.76	19.5	2.5
100	256QAM	1	1	15.60	15.54	15.51	17.5	4.5
Channel				649668	650000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	20.31	20.46	20.34	22.0	0.0
Channel				633334	650000	632666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	20.33	20.41	20.27	22.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724	3840	3946	(dBm)	(dB)
70	PI2 BPSK	1	1	20.31	20.45	20.37	22.0	0.0
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI2 BPSK	1	1	20.26	20.49	20.36	22.0	0.0
Channel				633334	650000	632666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	20.32	20.47	20.29	22.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI2 BPSK	1	1	20.32	20.50	20.28	22.0	0.0
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	20.32	20.42	20.27	22.0	0.0
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840.00	3967.50	(dBm)	(dB)
25	PI2 BPSK	1	1	20.32	20.51	20.34	22.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	20.31	20.42	20.33	22.0	0.0
Channel				647168	650000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	20.27	20.46	20.37	22.0	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	20.28	20.46	20.33	22.0	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				633334			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		20.92		22.5	0.0
100	PI2 BPSK	1	137		20.83			
100	PI2 BPSK	1	271		20.83			
100	PI2 BPSK	135	0		20.35		22.0	0.5
100	PI2 BPSK	135	69		20.85		22.5	0.0
100	PI2 BPSK	135	138		20.33		22.0	0.5
100	PI2 BPSK	270	0		20.45			
100	QPSK	1	1		20.75			
100	QPSK	1	137		20.88		22.5	0.0
100	QPSK	1	271		20.85			
100	QPSK	135	0		20.30			
100	QPSK	135	69		20.42		22.5	0.0
100	QPSK	135	138		20.32			
100	QPSK	270	0		20.35			
100	16QAM	1	1		20.03		21.5	1.0
100	64QAM	1	1		18.63		20.0	2.5
100	256QAM	1	1		17.19		18.0	4.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)
90	PI2 BPSK	1	1	20.84	20.87	20.75	22.5	0.0
Channel				3486.01	3500.01	3514.99	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	PI2 BPSK	1	1	20.80	20.89	20.84	22.5	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3486.01	3500.01	3514.99	(dBm)	(dB)
70	PI2 BPSK	1	1	20.77	20.90	20.80	22.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)
60	PI2 BPSK	1	1	20.83	20.86	20.76	22.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	PI2 BPSK	1	1	20.83	20.81	20.75	22.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.99	(dBm)	(dB)
40	PI2 BPSK	1	1	20.81	20.91	20.84	22.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)
30	PI2 BPSK	1	1	20.82	20.87	20.80	22.5	0.0
Channel				630834	633334	635992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)	(dB)
25	PI2 BPSK	1	1	20.80	20.84	20.79	22.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	PI2 BPSK	1	1	20.82	20.88	20.79	22.5	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)
15	PI2 BPSK	1	1	20.86	20.88	20.78	22.5	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)
10	PI2 BPSK	1	1	20.84	20.87	20.81	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			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		21.06		22.5	0.0
100	PI2 BPSK	1	137		21.00			
100	PI2 BPSK	1	271		20.87			
100	PI2 BPSK	135	0		21.00		22.0	0.5
100	PI2 BPSK	135	69		21.03		22.5	0.0
100	PI2 BPSK	135	138		20.47		22.0	0.5
100	PI2 BPSK	270	0		21.00			
100	QPSK	1	1		20.97			
100	QPSK	1	137		21.00		22.5	0.0
100	QPSK	1	271		20.86			
100	QPSK	135	0		20.83			
100	QPSK	135	69		20.94		22.5	0.0
100	QPSK	135	138		20.98			
100	QPSK	270	0		20.51			
100	16QAM	1	1		20.21		21.5	1.0
100	64QAM	1	1		18.66		20.0	2.5
100	256QAM	1	1		17.39		18.0	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	PI2 BPSK	1	1	20.95	20.98	20.90	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI2 BPSK	1	1	20.96	20.97	20.90	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	PI2 BPSK	1	1	20.99	21.02	20.87	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	PI2 BPSK	1	1	20.99	21.02	20.95	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI2 BPSK	1	1	20.91	20.94	20.89	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI2 BPSK	1	1	20.93	21.04	20.93	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	PI2 BPSK	1	1	20.92	21.02	20.88	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
25	PI2 BPSK	1	1	20.90	21.01	20.95	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
20	PI2 BPSK	1	1	20.88	20.98	20.87	22.5	0.0
Channel				646768	650000	653232	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3702.57	3750	3792.43	(dBm)	(dB)
15	PI2 BPSK	1	1	20.88	20.89	20.86	22.5	0.0
Channel				646500	650000	653500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI2 BPSK	1	1	20.95	21.00	20.97	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				633334	633334	633334	3500.01	
Frequency (MHz)					24.32			
100	PI2 BPSK	1	1		25.00			
100	PI2 BPSK	1	137		24.86		26.5	0.0
100	PI2 BPSK	1	271		24.94			
100	PI2 BPSK	135	0		24.29		26.0	0.5
100	PI2 BPSK	135	69		24.84		26.5	0.0
100	PI2 BPSK	135	138		24.37		26.0	0.5
100	PI2 BPSK	270	0		24.32			
100	QPSK	1	1		24.73		26.0	0.0
100	QPSK	1	137		24.94		26.5	0.0
100	QPSK	1	271		24.90			
100	QPSK	135	0		24.28		26.5	0.0
100	QPSK	135	69		24.90			
100	QPSK	135	138		23.92			
100	QPSK	270	0		23.72		25.5	1.0
100	16QAM	1	1		23.30		25.5	1.0
100	64QAM	1	1		21.86		24.0	2.5
100	256QAM	1	1		20.45		22.0	4.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3495	3500.01	3504.99	
90	PI2 BPSK	1	1		24.53	24.96	24.85	26.5 0.0
Channel				632000	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3490.02	3500.01	3510	
80	PI2 BPSK	1	1		24.88	24.90	24.82	26.5 0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3485.01	3500.01	3514.99	
70	PI2 BPSK	1	1		24.91	24.89	24.82	26.5 0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3480	3500.01	3519.99	
60	PI2 BPSK	1	1		24.87	24.96	24.91	26.5 0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3475.02	3500.01	3525	
50	PI2 BPSK	1	1		24.83	24.96	24.86	26.5 0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3470.01	3500.01	3528.99	
40	PI2 BPSK	1	1		24.87	24.92	24.83	26.5 0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3465	3500.01	3534.99	
30	PI2 BPSK	1	1		24.89	24.97	24.82	26.5 0.0
Channel				630334	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3462.51	3500.01	3537.48	
25	PI2 BPSK	1	1		24.92	24.91	24.84	26.5 0.0
Channel				630998	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3460.02	3500.01	3540	
20	PI2 BPSK	1	1		24.87	24.97	24.89	26.5 0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3457.5	3500.01	3542.48	
15	PI2 BPSK	1	1		24.90	24.92	24.82	26.5 0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3455.01	3500.01	3544.98	
10	PI2 BPSK	1	1		24.83	24.96	24.84	26.5 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	650000	650000	3750	
Frequency (MHz)					25.04			
100	PI2 BPSK	1	1		25.04			
100	PI2 BPSK	1	137		24.92		26.5	0.0
100	PI2 BPSK	1	271		24.91			
100	PI2 BPSK	135	0		24.40		26.0	0.5
100	PI2 BPSK	135	69		24.91		26.5	0.0
100	PI2 BPSK	135	138		24.55		26.0	0.5
100	PI2 BPSK	270	0		24.51			
100	QPSK	1	1		24.73		26.5	0.0
100	QPSK	1	137		24.92		26.5	0.0
100	QPSK	1	271		24.98			
100	QPSK	135	0		24.21		26.5	0.0
100	QPSK	135	69		24.92			
100	QPSK	135	138		24.20			
100	QPSK	270	0		24.08		25.5	1.0
100	16QAM	1	1		23.58		25.5	1.0
100	64QAM	1	1		21.98		24.0	2.5
100	256QAM	1	1		20.84		22.0	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3745.02	3750	3754.98	
90	PI2 BPSK	1	1		24.90	24.95	24.94	26.5 0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3740.01	3750	3759.99	
80	PI2 BPSK	1	1		24.92	24.94	24.93	26.5 0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3734	3750	3766	
70	PI2 BPSK	1	1		24.98	24.97	24.92	26.5 0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3730.02	3750	3769.98	
60	PI2 BPSK	1	1		24.94	24.96	24.95	26.5 0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3725.01	3750	3774.99	
50	PI2 BPSK	1	1		24.92	24.94	24.88	26.5 0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3724	3750	3762	
40	PI2 BPSK	1	1		24.93	24.97	24.93	26.5 0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3715.02	3750.00	3764.98	
30	PI2 BPSK	1	1		24.92	24.91	24.90	26.5 0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3712.5	3750.00	3767.50	
25	PI2 BPSK	1	1		24.91	24.94	24.87	26.5 0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3710.51	3750	3768.99	
20	PI2 BPSK	1	1		24.89	24.99	24.93	26.5 0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3707.52	3750	3762.48	
15	PI2 BPSK	1	1		24.96	24.99	24.89	26.5 0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3708	3750	3795	
10	PI2 BPSK	1	1		24.97	24.94	24.93	26.5 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				633334	633334			
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		25.03			
100	PI2 BPSK	1	137		24.97		26.0	0.0
100	PI2 BPSK	1	271		24.87			
100	PI2 BPSK	135	0		24.82		25.5	0.5
100	PI2 BPSK	135	69		24.86		26.0	0.0
100	PI2 BPSK	135	138		24.85		25.5	0.5
100	PI2 BPSK	270	0		24.80			
100	QPSK	1	1		24.83		26.0	0.0
100	QPSK	1	137		24.86		26.0	0.0
100	QPSK	1	271		24.80			
100	QPSK	135	0		24.38		26.0	0.0
100	QPSK	135	69		24.96			
100	QPSK	135	138		24.41			
100	QPSK	270	0		24.35		25.0	1.0
100	16QAM	1	1		23.85		25.0	1.0
100	64QAM	1	1		22.44		23.5	2.5
100	256QAM	1	1		21.08		21.5	4.5
Channel				635000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3495	3500.01	3504.99	
90	PI2 BPSK	1	1		24.95	24.97	24.96	26.0 0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3490.02	3500.01	3510	
80	PI2 BPSK	1	1		24.91	24.96	24.91	26.0 0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3485.01	3500.01	3514.98	
70	PI2 BPSK	1	1		24.93	25.00	24.95	26.0 0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3480	3500.01	3519.99	
60	PI2 BPSK	1	1		24.89	24.96	24.89	26.0 0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3475.02	3500.01	3525	
50	PI2 BPSK	1	1		24.90	24.90	24.87	26.0 0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3470.01	3500.01	3528.98	
40	PI2 BPSK	1	1		24.91	24.98	24.86	26.0 0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3465	3500.01	3534.99	
30	PI2 BPSK	1	1		24.92	24.94	24.89	26.0 0.0
Channel				630334	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3462.51	3500.01	3537.48	
25	PI2 BPSK	1	1		24.87	24.90	24.86	26.0 0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3460.02	3500.01	3540	
20	PI2 BPSK	1	1		24.89	24.87	24.80	26.0 0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3457.5	3500.01	3542.49	
15	PI2 BPSK	1	1		24.90	24.90	24.86	26.0 0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3455.01	3500.01	3544.98	
10	PI2 BPSK	1	1		24.91	24.95	24.92	26.0 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				3750					
Frequency (MHz)				25.01					
100	PI2 BPSK	1	1		24.86		26.0	0.0	
100	PI2 BPSK	1	137		24.81				
100	PI2 BPSK	1	271		24.81				
100	PI2 BPSK	135	0		24.81		25.5	0.5	
100	PI2 BPSK	135	69		24.97		26.0	0.0	
100	PI2 BPSK	135	138		24.91		25.5	0.5	
100	PI2 BPSK	270	0		24.96				
100	QPSK	1	1		24.88				
100	QPSK	1	137		24.82		26.0	0.0	
100	QPSK	1	271		24.74				
100	QPSK	135	0		24.33		26.0	0.0	
100	QPSK	135	69		24.36				
100	QPSK	135	138		24.43		25.0	0.0	
100	QPSK	270	0		24.25		25.0	1.0	
100	16QAM	1	1		23.82		25.0	1.0	
100	64QAM	1	1		22.34		23.5	2.5	
100	256QAM	1	1		21.10		21.5	4.5	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI2 BPSK	1	1		24.88	24.90	24.88	26.0	0.0
Channel				643333	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI2 BPSK	1	1		24.87	24.94	24.95	26.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PI2 BPSK	1	1		24.88	24.95	24.97	26.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI2 BPSK	1	1		24.82	24.88	24.89	26.0	0.0
Channel				643333	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI2 BPSK	1	1		24.84	24.91	24.91	26.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI2 BPSK	1	1		24.91	24.95	24.95	26.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI2 BPSK	1	1		24.87	24.98	24.91	26.0	0.0
Channel				643333	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3788.99			
25	PI2 BPSK	1	1		24.91	24.91	24.86	26.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705.01	3750	3789.99			
20	PI2 BPSK	1	1		24.91	24.93	24.91	26.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI2 BPSK	1	1		24.88	24.92	24.91	26.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI2 BPSK	1	1		24.91	24.95	24.85	26.0	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				3500.01		633334			
Frequency (MHz)				21.50					
100	PI2 BPSK	1	1		21.50		23.0	0.0	
100	PI2 BPSK	1	137		21.39				
100	PI2 BPSK	1	271		21.27				
100	PI2 BPSK	135	0		20.89		22.5	0.5	
100	PI2 BPSK	135	69		21.48		23.0	0.0	
100	PI2 BPSK	135	138		21.18		22.5	0.5	
100	PI2 BPSK	270	0		21.12				
100	QPSK	1	1		21.07				
100	QPSK	1	137		21.42		23.0	0.0	
100	QPSK	1	271		21.36				
100	QPSK	135	0		21.16		23.0	0.0	
100	QPSK	135	69		21.51				
100	QPSK	135	138		21.43				
100	QPSK	270	0		20.33		22.0	1.0	
100	16QAM	1	1		19.88		22.0	1.0	
100	64QAM	1	1		18.81		20.5	2.5	
100	256QAM	1	1		17.28		18.5	4.5	
Channel				633000	633334	633666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI2 BPSK	1	1		21.28	21.39	21.28	23.0	0.0
Channel				632666	633334	634000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		21.29	21.49	21.35	23.0	0.0
Channel				632334	633334	634332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1		21.40	21.40	21.24	23.0	0.0
Channel				632000	633334	634666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1		21.37	21.46	21.37	23.0	0.0
Channel				631666	633334	635000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		21.41	21.43	21.25	23.0	0.0
Channel				631334	633334	635332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.98			
40	PI2 BPSK	1	1		21.32	21.48	21.36	23.0	0.0
Channel				631000	633334	635666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		21.45	21.44	21.34	23.0	0.0
Channel				630666	633334	636000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
25	PI2 BPSK	1	1		21.42	21.37	21.28	23.0	0.0
Channel				630334	633334	636332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
20	PI2 BPSK	1	1		21.45	21.47	21.35	23.0	0.0
Channel				630000	633334	636666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3548.99			
15	PI2 BPSK	1	1		21.44	21.38	21.30	23.0	0.0
Channel				629666	633334	637000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3445.01	3500.01	3554.98			
10	PI2 BPSK	1	1		21.35	21.48	21.32	23.0	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				3750				
Frequency (MHz)				21.69				
100	PI2 BPSK	1	1		21.54		23.0	0.0
100	PI2 BPSK	1	137		21.54			
100	PI2 BPSK	1	271		21.48			
100	PI2 BPSK	135	0		21.15		22.5	0.5
100	PI2 BPSK	135	69		21.68		23.0	0.0
100	PI2 BPSK	135	138		21.13		22.5	0.5
100	PI2 BPSK	270	0		21.34			
100	QPSK	1	1		21.44			
100	QPSK	1	137		21.53		23.0	0.0
100	QPSK	1	271		21.49			
100	QPSK	135	0		21.29		23.0	0.0
100	QPSK	135	69		21.69			
100	QPSK	135	138		21.62		23.0	0.0
100	QPSK	270	0		20.50		22.0	1.0
100	16QAM	1	1		20.30		22.0	1.0
100	64QAM	1	1		19.17		20.5	2.5
100	256QAM	1	1		17.83		18.5	4.5
Channel				648668	650000	650332	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	21.37	21.59	21.37	23.0	0.0
Channel				648334	650000	650666	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	21.47	21.61	21.33	23.0	0.0
Channel				648000	650000	651000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	21.54	21.50	21.33	23.0	0.0
Channel				648668	650000	651332	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	21.56	21.57	21.43	23.0	0.0
Channel				648334	650000	651666	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	21.39	21.62	21.39	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3720	3750	3770		
40	PI2 BPSK	1	1	21.52	21.64	21.49	23.0	0.0
Channel				647668	650000	652332	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI2 BPSK	1	1	21.39	21.55	21.39	23.0	0.0
Channel				648000	650000	652500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3712.5	3750.00	3787.50		
25	PI2 BPSK	1	1	21.44	21.52	21.45	23.0	0.0
Channel				647334	650000	652666	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1	21.38	21.50	21.39	23.0	0.0
Channel				647168	650000	652832	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	21.57	21.46	21.52	23.0	0.0
Channel				647000	650000	653000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	21.40	21.56	21.37	23.0	0.0



Reduced Power for DS10

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				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	23.78			25.5	0.0
25	PI2 BPSK	1	65	24.77				
25	PI2 BPSK	1	131	23.85				
25	PI2 BPSK	64	0	23.55			25.0	0.5
25	PI2 BPSK	64	32	24.69			25.5	0.0
25	PI2 BPSK	64	66	23.63			25.0	0.5
25	PI2 BPSK	128	0	23.11				
25	QPSK	1	1	23.85			25.5	0.0
25	QPSK	1	65	24.59				
25	QPSK	1	131	23.82				
25	QPSK	64	0	23.52			24.5	1.0
25	QPSK	64	32	24.58			25.5	0.0
25	QPSK	64	66	23.44			24.5	1.0
25	QPSK	128	0	23.65				
25	16QAM	1	1	23.07			24.5	1.0
25	64QAM	1	1	21.27			23.0	2.5
25	256QAM	1	1	19.81			21.0	4.5
Channel				166800	167300	167800	Tune-up limit (dB)	MPR
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.62	24.75	24.58	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	24.52	24.63	24.52	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	24.57	24.62	24.48	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	24.51	24.66	24.65	25.5	0.0

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	22.29			24.2	0.0
25	PI2 BPSK	1	65	22.96				
25	PI2 BPSK	1	131	22.23				
25	PI2 BPSK	64	0	22.92			24.2	0.0
25	PI2 BPSK	64	32	22.95			24.2	0.0
25	PI2 BPSK	64	66	22.87			24.2	0.0
25	PI2 BPSK	128	0	22.68				
25	QPSK	1	1	22.29			24.2	0.0
25	QPSK	1	65	22.89				
25	QPSK	1	131	22.22				
25	QPSK	64	0	22.94			24.2	0.0
25	QPSK	64	32	22.87			24.2	0.0
25	QPSK	64	66	22.65			24.2	0.0
25	QPSK	128	0	22.82				
25	16QAM	1	1	22.25			24.2	0.0
25	64QAM	1	1	21.27			23.2	1.0
25	256QAM	1	1	19.59			21.2	3.0
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.80	22.92	22.85	24.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	22.87	22.86	22.86	24.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	22.78	22.83	22.78	24.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	22.80	22.88	22.78	24.2	0.0

n7_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000		507000	509000	
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.48	23.53	23.47	25.0	0.0
50	PI2 BPSK	1	135	23.36	23.30	23.33		
50	PI2 BPSK	1	268	23.39	23.43	23.21		
50	PI2 BPSK	135	0	23.32	23.30	23.27	24.5	0.5
50	PI2 BPSK	135	68	23.44	23.45	23.37	25.0	0.0
50	PI2 BPSK	135	135	23.43	23.40	23.27	24.5	0.5
50	PI2 BPSK	270	0	23.38	23.52	23.42		
50	QPSK	1	1	23.02	23.15	23.07	25.0	0.0
50	QPSK	1	135	23.25	23.43	23.21		
50	QPSK	1	268	23.32	23.41	23.24		
50	QPSK	135	0	22.81	22.95	22.83	24.0	1.0
50	QPSK	135	68	23.34	23.32	23.37	25.0	0.0
50	QPSK	135	135	22.81	23.06	22.91	24.0	1.0
50	QPSK	270	0	22.86	22.92	22.84	24.0	1.0
50	16QAM	1	1	20.51	20.53	20.63	22.5	2.5
50	64QAM	1	1	18.53	18.59	18.59	20.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	23.17	23.42	23.06	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	23.04	23.31	23.05	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	23.13	23.33	23.15	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2310	2535	2560		
20	PI2 BPSK	1	1	23.10	23.44	23.09	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	23.08	23.42	23.08	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	23.06	23.40	23.13	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	23.06	23.37	23.06	25.0	0.0

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	20.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pl2 BPSK	1	1	18.08	19.12	19.06			
50	Pl2 BPSK	1	135	18.78	18.90	18.83			
50	Pl2 BPSK	1	268	18.75	18.83	18.75	20.0	0.0	
50	Pl2 BPSK	135	0	18.91	18.96	18.85			
50	Pl2 BPSK	135	68	18.98	19.06	18.97			
50	Pl2 BPSK	135	135	18.84	18.95	18.91			
50	Pl2 BPSK	270	0	18.91	18.99	18.90	20.0	0.0	
50	QPSK	1	1	18.83	18.73	18.84			
50	QPSK	1	135	18.78	18.90	18.80			
50	QPSK	1	268	18.78	18.83	18.80			
50	QPSK	135	0	18.90	18.95	18.86	20.0	0.0	
50	QPSK	135	68	18.99	19.05	18.94			
50	QPSK	135	135	18.84	18.94	18.85			
50	QPSK	270	0	18.77	18.82	18.80			
50	16QAM	1	1	18.67	18.75	18.68	20.0	0.0	
50	64QAM	1	1	18.63	18.67	18.56			
50	256QAM	1	1	18.99	19.01	18.99			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	Pl2 BPSK	1	1	18.06	19.02	18.97	20.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	Pl2 BPSK	1	1	19.03	18.99	19.01	20.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	Pl2 BPSK	1	1	19.02	19.07	19.00	20.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	Pl2 BPSK	1	1	18.96	19.04	19.00	20.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	Pl2 BPSK	1	1	18.96	19.08	18.94	20.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	Pl2 BPSK	1	1	18.99	19.03	19.01	20.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	Pl2 BPSK	1	1	18.96	19.06	18.98	20.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	24.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pl2 BPSK	1	1	23.05	23.17	23.04			
50	Pl2 BPSK	1	135	23.06	22.89	22.95			
50	Pl2 BPSK	1	268	22.86	22.91	22.85	24.0	0.5	
50	Pl2 BPSK	135	0	22.92	22.98	22.95			
50	Pl2 BPSK	135	68	23.00	23.06	22.99			
50	Pl2 BPSK	135	135	22.96	23.04	22.96			
50	Pl2 BPSK	270	0	22.93	23.01	22.95	24.0	0.5	
50	QPSK	1	1	22.72	22.91	22.90			
50	QPSK	1	135	22.74	22.90	22.78			
50	QPSK	1	268	22.73	22.90	22.76			
50	QPSK	135	0	22.87	23.07	22.87	23.5	1.0	
50	QPSK	135	68	22.85	23.05	22.81			
50	QPSK	135	135	22.88	23.00	22.95			
50	QPSK	270	0	22.93	23.02	22.96			
50	16QAM	1	1	22.38	22.58	22.47	23.5	1.0	
50	64QAM	1	1	21.04	21.31	21.11			
50	256QAM	1	1	19.90	19.93	19.81			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	Pl2 BPSK	1	1	22.85	23.00	22.84	24.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	Pl2 BPSK	1	1	22.81	23.06	22.79	24.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	Pl2 BPSK	1	1	22.86	23.05	22.80	24.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	Pl2 BPSK	1	1	22.93	22.99	22.77	24.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	Pl2 BPSK	1	1	22.80	23.04	22.75	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	Pl2 BPSK	1	1	22.93	22.95	22.87	24.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	Pl2 BPSK	1	1	22.86	22.98	22.87	24.5	0.0	

n7_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				505000	507000	509000	18.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pl2 BPSK	1	1	18.78	18.81	18.72			
50	Pl2 BPSK	1	135	16.41	18.50	18.40			
50	Pl2 BPSK	1	268	18.39	18.45	18.39	18.5 <th colspan="2" rowspan="4">0.0</th>	0.0	
50	Pl2 BPSK	135	0	18.51	18.60	18.54			
50	Pl2 BPSK	135	68	18.65	18.71	18.63			
50	Pl2 BPSK	135	135	18.53	18.61	18.51			
50	Pl2 BPSK	270	0	18.51	18.62	18.51	18.5 <th colspan="2" rowspan="4">0.0</th>	0.0	
50	QPSK	1	1	18.30	18.41	18.38			
50	QPSK	1	135	18.46	18.52	18.42			
50	QPSK	1	268	18.40	18.43	18.41			
50	QPSK	135	0	18.64	18.68	18.64	18.5 <th colspan="2" rowspan="4">0.0</th>	0.0	
50	QPSK	135	68	18.61	18.68	18.57			
50	QPSK	135	135	18.50	18.54	18.48			
50	QPSK	270	0	18.47	18.58	18.47			
50	16QAM	1	1	18.13	18.19	18.16	18.5 <th colspan="2" rowspan="3">0.0</th>	0.0	
50	64QAM	1	1	18.19	18.25	18.23			
50	256QAM	1	1	18.66	18.75	18.68			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	Pl2 BPSK	1	1	18.73	18.75	18.65	18.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	Pl2 BPSK	1	1	18.71	18.69	18.59	18.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	Pl2 BPSK	1	1	18.65	18.76	18.65	18.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	Pl2 BPSK	1	1	18.73	18.73	18.59	18.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	Pl2 BPSK	1	1	18.68	18.74	18.68	18.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	Pl2 BPSK	1	1	18.65	18.69	18.63	18.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2597.5	(dBm)	(dB)	
5	Pl2 BPSK	1	1	18.65	18.79	18.61	18.5	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.35	22.46	22.44			
40	PI2 BPSK	1	108	22.31	22.40	22.40			
40	PI2 BPSK	1	214	22.30	22.31	22.37	23.5	0.5	
40	PI2 BPSK	108	0	22.38	22.22	22.34			
40	PI2 BPSK	108	54	22.40	22.45	22.37			
40	PI2 BPSK	108	108	22.27	22.35	22.35			
40	PI2 BPSK	216	0	22.35	22.44	22.25	23.5	0.5	
40	QPSK	1	1	22.22	22.24	22.17			
40	QPSK	1	108	22.19	22.30	22.21			
40	QPSK	1	214	22.30	22.38	22.23			
40	QPSK	108	0	21.89	21.80	21.64	23.0	1.0	
40	QPSK	108	54	22.30	22.35	22.25			
40	QPSK	108	108	21.88	21.88	21.72			
40	QPSK	216	0	21.72	21.79	21.65			
40	16QAM	1	1	21.06	21.13	20.95	23.0	1.0	
40	64QAM	1	1	19.74	19.74	19.71			
40	256QAM	1	1	17.45	17.50	17.53			
40	256QAM	1	1	17.45	17.50	17.53	19.5	4.5	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	22.30	22.40	22.40	24.0	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	22.27	22.42	22.32	24.0	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	22.21	22.34	22.32	24.0	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	22.23	22.43	22.37	24.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	22.25	22.33	22.36	24.0	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1772.5			
5	PI2 BPSK	1	1	22.21	22.31	22.33	24.0	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	17.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	16.37	16.56	16.40			
40	PI2 BPSK	1	108	16.33	16.51	16.31			
40	PI2 BPSK	1	214	16.23	16.37	16.19	17.5	0.0	
40	PI2 BPSK	108	0	16.37	16.51	16.34			
40	PI2 BPSK	108	54	16.33	16.53	16.32			
40	PI2 BPSK	108	108	16.32	16.50	16.30			
40	PI2 BPSK	216	0	16.36	16.51	16.36	17.5	0.0	
40	QPSK	1	1	16.24	16.36	16.24			
40	QPSK	1	108	16.38	16.53	16.38			
40	QPSK	1	214	16.20	16.41	16.24			
40	QPSK	108	0	16.36	16.54	16.40	17.5	0.0	
40	QPSK	108	54	16.37	16.53	16.36			
40	QPSK	108	108	16.35	16.48	16.31			
40	QPSK	216	0	16.12	16.31	16.10	17.5	0.0	
40	16QAM	1	1	15.88	16.11	15.91			
40	64QAM	1	1	16.03	16.19	16.04			
40	256QAM	1	1	16.33	16.51	16.36	17.5	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	16.28	16.46	16.33	17.5	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	16.24	16.49	16.38	17.5	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	16.29	16.45	16.30	17.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	16.25	16.52	16.37	17.5	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	16.28	16.54	16.37	17.5	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1772.5			
5	PI2 BPSK	1	1	16.33	16.54	16.35	17.5	0.0	

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	352000	23.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.84	22.09	21.82		
40	PI/2 BPSK	1	108	21.92	22.08	21.90		
40	PI/2 BPSK	1	214	21.86	21.84	21.86	23.0	0.5
40	PI/2 BPSK	108	0	21.88	21.94	21.85		
40	PI/2 BPSK	108	54	21.99	22.08	21.98		
40	PI/2 BPSK	108	108	21.92	21.97	21.85		
40	PI/2 BPSK	216	0	21.92	22.04	21.78	23.5	0.0
40	QPSK	1	1	21.74	21.92	21.76		
40	QPSK	1	108	21.87	21.84	21.88		
40	QPSK	1	214	21.84	21.75	21.82		
40	QPSK	108	0	21.70	21.89	21.71	22.5	1.0
40	QPSK	108	54	21.82	21.95	21.80		
40	QPSK	108	108	21.83	21.98	21.91		
40	QPSK	216	0	21.81	21.98	21.81		
40	16QAM	1	1	21.48	21.49	21.53	22.5	1.0
40	64QAM	1	1	20.52	20.54	20.49		
40	256QAM	1	1	18.19	18.28	18.23		
40	256QAM	1	1	18.19	18.28	18.23		
Channel				345000	346000	353000	23.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.77	22.02	21.78		
30	PI/2 BPSK	1	1	21.77	22.02	21.78		
Channel				344500	345000	353500	23.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.84	21.89	21.74		
25	PI/2 BPSK	1	1	21.84	21.89	21.74		
Channel				344000	345000	354000	23.5	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.79	21.93	21.82		
20	PI/2 BPSK	1	1	21.79	21.93	21.82		
Channel				343500	345000	354500	23.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.80	21.93	21.84		
15	PI/2 BPSK	1	1	21.80	21.93	21.84		
Channel				343000	345000	355000	23.5	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.74	22.01	21.78		
10	PI/2 BPSK	1	1	21.74	22.01	21.78		
Channel				342500	345000	355500	23.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.84	21.91	21.87		
5	PI/2 BPSK	1	1	21.84	21.91	21.87		

n66_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				346000	346000	352000	23.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.69	21.75	21.61		
40	PI/2 BPSK	1	108	21.56	21.58	21.51		
40	PI/2 BPSK	1	214	21.52	21.70	21.56	23.0	0.5
40	PI/2 BPSK	108	0	21.20	21.22	21.09		
40	PI/2 BPSK	108	54	21.55	21.62	21.61		
40	PI/2 BPSK	108	108	21.29	21.58	21.29		
40	PI/2 BPSK	216	0	21.10	21.35	21.33	23.5	0.0
40	QPSK	1	1	21.52	21.63	21.52		
40	QPSK	1	108	21.53	21.58	21.64		
40	QPSK	1	214	21.88	21.50	21.50		
40	QPSK	108	0	20.69	20.85	20.76	22.5	1.0
40	QPSK	108	54	21.50	21.69	21.52		
40	QPSK	108	108	20.82	21.03	20.77		
40	QPSK	216	0	20.69	20.73	20.77		
40	16QAM	1	1	20.55	20.64	20.84	22.5	1.0
40	64QAM	1	1	18.73	18.86	18.89		
40	256QAM	1	1	17.37	17.69	17.47		
40	256QAM	1	1	17.37	17.69	17.47		
Channel				345000	345000	353000	23.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.56	21.67	21.57		
30	PI/2 BPSK	1	1	21.56	21.67	21.57		
Channel				344500	345000	353500	23.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.51	21.72	21.60		
25	PI/2 BPSK	1	1	21.51	21.72	21.60		
Channel				344000	345000	354000	23.5	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.57	21.65	21.51		
20	PI/2 BPSK	1	1	21.57	21.65	21.51		
Channel				343500	345000	354500	23.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.59	21.68	21.55		
15	PI/2 BPSK	1	1	21.59	21.68	21.55		
Channel				343000	345000	355000	23.5	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.56	21.68	21.57		
10	PI/2 BPSK	1	1	21.56	21.68	21.57		
Channel				342500	345000	355500	23.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.61	21.67	21.53		
5	PI/2 BPSK	1	1	21.61	21.67	21.53		



n38_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				518004	518000	518998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	23.95	24.03	24.02		
40	PI2 BPSK	1	53	23.86	23.93	23.92	25.5	0.0
40	PI2 BPSK	1	104	23.82	23.93	23.88		
40	PI2 BPSK	50	0	23.73	23.84	23.85	25.0	0.5
40	PI2 BPSK	50	28	23.81	23.92	23.85	25.5	0.0
40	PI2 BPSK	50	56	23.78	23.89	23.76		
40	PI2 BPSK	100	0	23.75	23.79	23.76	25.0	0.5
40	QPSK	1	1	23.84	24.00	23.79		
40	QPSK	1	53	23.69	23.84	23.73	25.5	0.0
40	QPSK	1	104	23.68	23.82	23.84		
40	QPSK	50	0	23.30	23.37	23.21		
40	QPSK	50	28	23.70	23.84	23.71	25.5	0.0
40	QPSK	50	56	23.78	23.93	23.74		
40	QPSK	100	0	23.15	23.31	23.14	24.5	1.0
40	16QAM	1	1	22.55	22.59	22.59	24.5	1.0
40	64QAM	1	1	21.14	21.06	21.08	23.0	2.5
40	256QAM	1	1	19.07	19.24	19.17	21.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	23.73	23.91	23.86	25.5	0.0
Channel				516204	518000	521406	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	23.77	23.86	23.86	25.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	23.77	23.91	23.83	25.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	23.77	23.93	23.93	25.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	23.74	23.89	23.85	25.5	0.0

n38_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	518000	518998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	18.63	18.66	18.58		
40	PI2 BPSK	1	53	18.37	18.44	18.34	19.5	0.0
40	PI2 BPSK	1	104	18.35	18.43	18.34		
40	PI2 BPSK	50	0	18.46	18.55	18.48	19.5	0.0
40	PI2 BPSK	50	28	18.59	18.61	18.54	19.5	0.0
40	PI2 BPSK	50	56	18.42	18.51	18.44		
40	PI2 BPSK	100	0	18.51	18.56	18.47	19.5	0.0
40	QPSK	1	1	18.37	18.41	18.35		
40	QPSK	1	53	18.38	18.44	18.42	19.5	0.0
40	QPSK	1	104	18.37	18.40	18.36		
40	QPSK	50	0	18.46	18.55	18.45		
40	QPSK	50	28	18.53	18.58	18.55	19.5	0.0
40	QPSK	50	56	18.48	18.56	18.51		
40	QPSK	100	0	18.52	18.56	18.51	19.5	0.0
40	16QAM	1	1	18.16	18.21	18.14	19.5	0.0
40	64QAM	1	1	18.23	18.33	18.28	19.5	0.0
40	256QAM	1	1	18.45	18.51	18.40	19.5	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	18.56	18.54	18.54	19.5	0.0
Channel				516204	518000	521406	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	18.52	18.57	18.52	19.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	18.51	18.63	18.48	19.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	18.60	18.61	18.52	19.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	18.54	18.63	18.45	19.5	0.0

n38_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	518000	518998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	23.10	23.19	23.06		
40	PI2 BPSK	1	53	23.18	23.18	23.05	24.5	0.0
40	PI2 BPSK	1	104	23.04	23.12	23.03		
40	PI2 BPSK	50	0	22.39	22.48	22.38	24.0	0.5
40	PI2 BPSK	50	28	22.97	23.09	23.05	24.5	0.0
40	PI2 BPSK	50	56	22.46	22.39	22.44		
40	PI2 BPSK	100	0	22.45	22.46	22.42	24.0	0.5
40	QPSK	1	1	22.82	22.88	22.79		
40	QPSK	1	53	22.91	23.03	23.03	24.5	0.0
40	QPSK	1	104	22.88	22.98	22.90		
40	QPSK	50	0	22.83	22.95	22.81		
40	QPSK	50	28	22.98	23.00	22.79	24.5	0.0
40	QPSK	50	56	22.78	22.96	22.83		
40	QPSK	100	0	21.79	22.02	21.80	23.5	1.0
40	16QAM	1	1	21.51	21.58	21.46	23.5	1.0
40	64QAM	1	1	19.93	20.14	19.97	22.0	2.5
40	256QAM	1	1	18.83	19.07	18.83	20.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	23.04	23.11	23.01	24.5	0.0
Channel				516204	518000	521406	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	23.10	23.15	23.01	24.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	23.04	23.11	23.03	24.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	23.09	23.09	23.01	24.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	23.13	23.13	23.00	24.5	0.0

n38_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				519004	519000	519996			
Frequency (MHz)				2590.02	2596	2599.98			
40	PI2 BPSK	1	1	15.93	16.05	16.00	17.5	0.0	
40	PI2 BPSK	1	53	15.73	15.93	15.90			
40	PI2 BPSK	1	104	15.72	15.88	15.86			
40	PI2 BPSK	50	0	15.85	16.01	15.93	17.5	0.0	
40	PI2 BPSK	50	28	15.90	16.03	15.99			
40	PI2 BPSK	50	56	15.87	16.01	15.99			
40	PI2 BPSK	100	0	15.75	15.95	15.90	17.5	0.0	
40	QPSK	1	1	15.68	15.87	15.84			
40	QPSK	1	53	15.81	15.96	15.87			
40	QPSK	1	104	15.76	15.88	15.79	17.5	0.0	
40	QPSK	50	0	15.88	15.89	15.85			
40	QPSK	50	28	15.81	16.01	15.91			
40	QPSK	50	56	15.84	15.97	15.92	17.5	0.0	
40	QPSK	100	0	15.79	15.99	15.93			
40	16QAM	1	1	15.53	15.65	15.62	17.5	0.0	
40	64QAM	1	1	15.61	15.74	15.71	17.5	0.0	
40	256QAM	1	1	15.87	16.00	15.93	17.5	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	15.91	16.03	15.93	17.5	0.0	
Channel				515503	519000	521000	Tune-up limit (dBm)	MPR (dB)	
25	PI2 BPSK	1	1	15.91	15.99	15.99	17.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	15.88	15.96	15.94	17.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	15.92	16.04	15.96	17.5	0.0	
Channel				515503	519000	522500	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	15.89	16.01	15.99	17.5	0.0	

n41_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				509000	518598	520000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	24.04	24.12	24.04	25.5		0.0
100	PI2 BPSK	1	137	23.88	23.98	23.97			
100	PI2 BPSK	1	271	24.03	24.04	24.08			
100	PI2 BPSK	135	0	23.41	23.54	23.60	25.0		0.5
100	PI2 BPSK	135	69	23.98	24.10	24.05			
100	PI2 BPSK	135	138	23.57	23.68	23.61			
100	PI2 BPSK	270	0	23.60	23.95	23.64	25.0		0.5
100	QPSK	1	1	23.64	23.72	23.69			
100	QPSK	1	137	23.95	24.02	23.90			
100	QPSK	1	271	23.90	24.05	23.92	25.5		1.0
100	QPSK	135	0	22.91	23.01	22.89			
100	QPSK	135	69	23.94	24.05	23.99			
100	QPSK	135	138	23.06	23.12	23.00	25.5		1.0
100	QPSK	270	0	22.87	22.97	22.94			
100	16QAM	1	1	22.56	22.49	22.52	25.5	1.0	
100	64QAM	1	1	21.15	21.15	21.20	25.5	2.5	
100	256QAM	1	1	19.15	19.24	19.23	25.5	4.5	
Channel				508200	518598	520996	Tune-up limit (dbm)	MPR (db)	
90	PI2 BPSK	1	1	23.92	23.97	23.98	25.5	0.0	
Channel				507204	518598	520996	Tune-up limit (dbm)	MPR (db)	
80	PI2 BPSK	1	1	23.94	23.99	23.92	25.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dbm)	MPR (db)	
70	PI2 BPSK	1	1	23.90	24.02	23.95	25.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dbm)	MPR (db)	
60	PI2 BPSK	1	1	24.00	24.02	23.90	25.5	0.0	
Channel				504204	518593	532999	Tune-up limit (dbm)	MPR (db)	
50	PI2 BPSK	1	1	23.92	23.96	23.98	25.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dbm)	MPR (db)	
40	PI2 BPSK	1	1	23.92	24.01	23.92	25.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dbm)	MPR (db)	
30	PI2 BPSK	1	1	24.00	24.05	23.96	25.5	0.0	
Channel				501204	518593	535999	Tune-up limit (dbm)	MPR (db)	
20	PI2 BPSK	1	1	23.94	24.01	23.98	25.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dbm)	MPR (db)	
15	PI2 BPSK	1	1	23.94	23.98	23.99	25.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dbm)	MPR (db)	
10	PI2 BPSK	1	1	23.91	23.95	23.93	25.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509002	518598	520000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	19.04	19.14	19.00	20.0	0.0	
100	PI2 BPSK	1	137	18.89	18.93	18.73			
100	PI2 BPSK	1	271	18.84	19.68	18.60			
100	PI2 BPSK	135	0	19.91	19.06	18.88	20.0	0.0	
100	PI2 BPSK	135	69	18.93	19.08	18.85			
100	PI2 BPSK	135	138	18.96	18.88	18.77			
100	PI2 BPSK	270	0	19.00	18.95	18.85	20.0	0.0	
100	QPSK	1	1	18.49	18.61	18.49			
100	QPSK	1	137	18.81	18.86	18.64			
100	QPSK	1	271	18.85	18.70	18.46	20.0	0.0	
100	QPSK	135	0	19.96	19.03	18.84			
100	QPSK	135	69	18.94	19.08	18.99			
100	QPSK	135	138	18.96	18.91	18.72	20.0	0.0	
100	QPSK	270	0	18.83	18.92	18.76			
100	16QAM	1	1	18.88	18.88	18.74	20.0	0.0	
100	64QAM	1	1	18.86	19.00	18.79	20.0	0.0	
100	256QAM	1	1	18.98	19.06	18.79	20.0	0.0	
Channel				508200	518598	520996	Tune-up limit	MPR	
Frequency (MHz)				2542.01	2592.99	2644.98	(dBm)	(dB)	
90	PI2 BPSK	1	1	19.00	19.07	18.93	20.0	0.0	
Channel				507204	518598	520993	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2646.99	(dBm)	(dB)	
80	PI2 BPSK	1	1	18.99	19.10	18.94	20.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	PI2 BPSK	1	1	18.97	19.11	18.95	20.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526.02	2592.99	2656.98	(dBm)	(dB)	
60	PI2 BPSK	1	1	19.03	19.07	18.95	20.0	0.0	
Channel				504204	518598	532999	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	PI2 BPSK	1	1	18.99	19.07	18.97	20.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	PI2 BPSK	1	1	19.00	19.10	18.99	20.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511.01	2592.99	2674.98	(dBm)	(dB)	
30	PI2 BPSK	1	1	19.02	19.09	18.98	20.0	0.0	
Channel				501204	518598	535999	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	PI2 BPSK	1	1	18.98	19.07	18.99	20.0	0.0	
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2503.05	2592.99	2682.48	(dBm)	(dB)	
15	PI2 BPSK	1	1	19.02	19.07	18.94	20.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	PI2 BPSK	1	1	18.99	19.10	18.98	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				50202	51898	52000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.24	23.26	23.17	24.5	0.0	
100	PI2 BPSK	1	137	23.19	23.23	23.13			
100	PI2 BPSK	1	271	23.19	23.18	23.21			
100	PI2 BPSK	135	0	22.70	22.89	22.82			
100	PI2 BPSK	135	69	23.11	23.15	23.10	24.5	0.0	
100	PI2 BPSK	135	138	22.73	22.76	22.56	24.0	0.5	
100	PI2 BPSK	270	0	22.79	22.81	22.86			
100	QPSK	1	1	22.81	23.00	22.84			
100	QPSK	1	137	23.06	23.18	23.21			
100	QPSK	1	271	22.87	22.87	22.89	24.5	0.0	
100	QPSK	135	0	22.49	22.59	22.48			
100	QPSK	135	69	23.23	23.21	23.10			
100	QPSK	135	138	22.67	22.72	22.82			
100	QPSK	270	0	22.01	22.17	22.04	23.5	1.0	
100	16QAM	1	1	21.67	21.75	21.67	23.5	1.0	
100	16QAM	1	1	20.81	20.85	20.80	22.0	2.5	
100	256QAM	1	1	18.88	18.92	18.70	20.0	4.5	
Channel				508200	518698	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	23.10	23.19	23.11		0.0	
Channel				512204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99		0.0	
80	PI2 BPSK	1	1	23.20	23.23	23.07			
Channel				506202	518698	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655		0.0	
70	PI2 BPSK	1	1	23.19	23.17	23.08			
Channel				505200	518698	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98		0.0	
60	PI2 BPSK	1	1	23.13	23.14	23.11			
Channel				505204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2684.99		0.0	
50	PI2 BPSK	1	1	23.13	23.19	23.10			
Channel				503202	518698	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670		0.0	
40	PI2 BPSK	1	1	23.15	23.20	23.05			
Channel				502200	518698	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98		0.0	
30	PI2 BPSK	1	1	23.15	23.23	23.08			
Channel				512204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99		0.0	
20	PI2 BPSK	1	1	23.14	23.16	23.12			
Channel				500700	518698	538498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2692.48		0.0	
15	PI2 BPSK	1	1	23.12	23.20	23.14			
Channel				500202	518698	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685		0.0	
10	PI2 BPSK	1	1	23.16	23.15	23.11			

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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				50202	51898	52000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	16.38	16.50	16.36	18.0	0.0	
100	PI2 BPSK	1	137	16.17	16.37	16.22			
100	PI2 BPSK	1	271	16.00	16.18	16.06			
100	PI2 BPSK	135	0	16.20	16.38	16.17			
100	PI2 BPSK	135	69	16.27	16.44	16.32	18.0	0.0	
100	PI2 BPSK	135	138	16.21	16.36	16.18	18.0	0.0	
100	PI2 BPSK	270	0	16.25	16.41	16.22			
100	QPSK	1	1	16.03	16.15	15.95			
100	QPSK	1	137	16.18	16.39	16.18			
100	QPSK	1	271	16.12	16.28	16.07	18.0	0.0	
100	QPSK	135	0	16.19	16.33	16.12			
100	QPSK	135	69	16.37	16.49	16.31			
100	QPSK	135	138	16.21	16.39	16.28			
100	QPSK	270	0	16.27	16.44	16.29	18.0	0.0	
100	16QAM	1	1	16.25	16.45	16.30	18.0	0.0	
100	16QAM	1	1	16.32	16.44	16.29	18.0	0.0	
100	256QAM	1	1	16.27	16.42	16.28	18.0	0.0	
Channel				508200	518698	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	16.33	16.48	16.29		0.0	
Channel				512204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99		0.0	
80	PI2 BPSK	1	1	16.32	16.47	16.34			
Channel				506202	518698	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655		0.0	
70	PI2 BPSK	1	1	16.32	16.44	16.30			
Channel				505200	518698	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98		0.0	
60	PI2 BPSK	1	1	16.37	16.45	16.29			
Channel				505204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2684.99		0.0	
50	PI2 BPSK	1	1	16.33	16.46	16.31			
Channel				503202	518698	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670		0.0	
40	PI2 BPSK	1	1	16.32	16.48	16.33			
Channel				502200	518698	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98		0.0	
30	PI2 BPSK	1	1	16.31	16.44	16.32			
Channel				512204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99		0.0	
20	PI2 BPSK	1	1	16.36	16.46	16.29			
Channel				500700	518698	538498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2692.48		0.0	
15	PI2 BPSK	1	1	16.36	16.44	16.32			
Channel				500202	518698	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685		0.0	
10	PI2 BPSK	1	1	16.35	16.47	16.34			

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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				633000	633334	633668			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI2 BPSK	1	1		18.02		19.5	0.0	
100	PI2 BPSK	1	137		17.89				
100	PI2 BPSK	1	271		17.94				
100	PI2 BPSK	135	0		17.99				
100	PI2 BPSK	135	69		18.01		19.5	0.0	
100	PI2 BPSK	135	138		17.84		19.5	0.0	
100	PI2 BPSK	270	0		17.99				
100	QPSK	1	1		17.72				
100	QPSK	1	137		17.94				
100	QPSK	1	271		17.57		19.5	0.0	
100	QPSK	135	0		17.85				
100	QPSK	135	69		17.95				
100	QPSK	135	138		17.88				
100	QPSK	270	0		17.95		19.5	0.0	
100	16QAM	1	1		17.53		19.5	0.0	
100	64QAM	1	1		17.60				
100	256QAM	1	1		15.59				
100	256QAM	1	1		15.59				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3500.01	3500.01	3504.99			
90	PI2 BPSK	1	1		17.87	17.93	17.82	19.5	0.0
Channel				630968	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		17.85	17.92	17.91	19.5	0.0
Channel				632333	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1		17.92	17.91	17.82	19.5	0.0
Channel				630200	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3519.99			
60	PI2 BPSK	1	1		17.88	17.65	17.67	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		17.90	17.90	17.83	19.5	0.0
Channel				631134	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI2 BPSK	1	1		17.94	17.98	17.88	19.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		17.88	17.66	17.86	19.5	0.0
Channel				631284	633334	635832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1		17.92	17.98	17.86	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1		17.85	17.96	17.91	19.5	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1		17.91	17.96	17.92	19.5	0.0
Channel				630134	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		17.93	17.89	17.87	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	650000	650000	19.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.07	18.18	18.12	19.5	0.0
100	PI2 BPSK	1	137	17.80	17.86	17.76		
100	PI2 BPSK	1	271	17.49	17.56	17.57	19.5	0.0
100	PI2 BPSK	135	0	17.99	18.02	17.96		
100	PI2 BPSK	135	69	18.01	18.09	18.07	19.5	0.0
100	PI2 BPSK	135	138	17.91	17.90	17.87		
100	PI2 BPSK	270	0	17.76	18.07	17.98	19.5	0.0
100	QPSK	1	1	17.76	17.87	17.77		
100	QPSK	1	137	17.85	17.88	17.87	19.5	0.0
100	QPSK	1	271	17.49	17.64	17.62		
100	QPSK	135	0	17.93	18.10	18.09	19.5	0.0
100	QPSK	135	69	17.98	17.95	17.96		
100	QPSK	135	138	17.91	17.96	17.87	19.5	0.0
100	QPSK	270	0	17.98	18.06	18.04		
100	16QAM	1	1	17.54	17.65	17.52	19.5	0.0
100	64QAM	1	1	17.61	17.64	17.66		
100	256QAM	1	1	16.55	16.70	16.72	17.5	2.0
Channel				648668	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	18.01	18.11	18.07	19.5	0.0
Channel				633334	650000	662000	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	18.00	18.13	18.10	19.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	PI2 BPSK	1	1	18.00	18.13	18.06	19.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI2 BPSK	1	1	18.00	18.10	18.06	19.5	0.0
Channel				643334	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	18.02	18.12	18.05	19.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI2 BPSK	1	1	18.00	18.13	18.09	19.5	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840.00	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	18.04	18.16	18.06	19.5	0.0
Channel				647500	650000	664500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3840.00	3967.50	(dBm)	(dB)
25	PI2 BPSK	1	1	18.01	18.11	18.06	19.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	18.04	18.11	18.06	19.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	18.01	18.17	18.05	19.5	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	18.05	18.13	18.06	19.5	0.0

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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				633334			17.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		15.65		17.5	0.0
100	PI2 BPSK	1	137		15.88			
100	PI2 BPSK	1	271		15.60		17.5	0.0
100	PI2 BPSK	135	0		15.77			
100	PI2 BPSK	135	69		15.94		17.5	0.0
100	PI2 BPSK	135	138		15.79			
100	PI2 BPSK	270	0		15.78		17.5	0.0
100	QPSK	1	1		15.56			
100	QPSK	1	137		15.81		17.5	0.0
100	QPSK	1	271		15.62			
100	QPSK	135	0		15.69		17.5	0.0
100	QPSK	135	69		15.85			
100	QPSK	135	138		15.92		17.5	0.0
100	QPSK	270	0		15.79			
100	16QAM	1	1		15.71		17.5	0.0
100	64QAM	1	1		15.68			
100	256QAM	1	1		15.77		17.5	0.0
Channel				633000	633334	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)
90	PI2 BPSK	1	1	15.86	15.92	15.80	17.5	0.0
Channel				632500	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	PI2 BPSK	1	1	15.81	15.86	15.83	17.5	0.0
Channel				632334	633334	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)
70	PI2 BPSK	1	1	15.82	15.89	15.85	17.5	0.0
Channel				632000	633334	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)
60	PI2 BPSK	1	1	15.78	15.90	15.85	17.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	PI2 BPSK	1	1	15.78	15.91	15.77	17.5	0.0
Channel				631334	633334	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)
40	PI2 BPSK	1	1	15.83	15.85	15.77	17.5	0.0
Channel				631000	633334	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)
30	PI2 BPSK	1	1	15.87	15.89	15.77	17.5	0.0
Channel				630834	633334	635998	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)	(dB)
25	PI2 BPSK	1	1	15.79	15.91	15.84	17.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	PI2 BPSK	1	1	15.83	15.85	15.90	17.5	0.0
Channel				630500	633334	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.48	(dBm)	(dB)
15	PI2 BPSK	1	1	15.78	15.68	15.78	17.5	0.0
Channel				630334	633334	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)
10	PI2 BPSK	1	1	15.77	15.90	15.80	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	650000	650000	17.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.09	16.16	16.05	17.5	0.0
100	PI2 BPSK	1	137	15.87	16.04	15.95		
100	PI2 BPSK	1	271	15.99	15.87	15.77	17.5	0.0
100	PI2 BPSK	135	0	15.92	16.07	16.02		
100	PI2 BPSK	135	69	15.96	16.14	16.10	17.5	0.0
100	PI2 BPSK	135	138	16.00	15.88	16.04		
100	PI2 BPSK	270	0	16.01	16.10	15.98	17.5	0.0
100	QPSK	1	1	15.74	15.85	15.76		
100	QPSK	1	137	16.00	16.03	16.09	17.5	0.0
100	QPSK	1	271	15.79	15.84	15.77		
100	QPSK	135	0	15.88	15.99	16.02	17.5	0.0
100	QPSK	135	69	16.07	16.11	16.06		
100	QPSK	135	138	15.94	16.07	15.95	17.5	0.0
100	QPSK	270	0	15.92	16.06	15.95		
100	16QAM	1	1	15.50	15.59	15.48	17.5	0.0
100	64QAM	1	1	15.83	15.60	15.50		
100	256QAM	1	1	15.83	15.65	15.47	17.5	0.0
Channel				648668	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	16.05	16.10	15.98	17.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	16.05	16.12	16.01	17.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI2 BPSK	1	1	16.03	16.09	16.00	17.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(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				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		15.15		16.0	0.0	
100	PI2 BPSK	1	137		15.05				
100	PI2 BPSK	1	271		14.92		16.0	0.0	
100	PI2 BPSK	135	0		14.93				
100	PI2 BPSK	135	69		15.13		16.0	0.0	
100	PI2 BPSK	135	138		15.02		16.0	0.0	
100	PI2 BPSK	270	0		15.10		16.0	0.0	
100	QPSK	1	1		14.88				
100	QPSK	1	137		15.08		16.0	0.0	
100	QPSK	1	271		15.05				
100	QPSK	135	0		15.00		16.0	0.0	
100	QPSK	135	69		15.00				
100	QPSK	135	138		15.13		16.0	0.0	
100	QPSK	270	0		15.11				
100	16QAM	1	1		15.08		16.0	0.0	
100	64QAM	1	1		15.03		16.0	0.0	
100	256QAM	1	1		15.10		16.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	0.0		
90	PI2 BPSK	1	1		15.02	15.07	15.00	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	0.0		
80	PI2 BPSK	1	1		14.99	15.08	15.01	16.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	0.0		
70	PI2 BPSK	1	1		15.02	15.09	15.01	16.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	0.0		
60	PI2 BPSK	1	1		15.06	15.00	14.95	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	0.0		
50	PI2 BPSK	1	1		15.01	15.02	14.96	16.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	0.0		
40	PI2 BPSK	1	1		15.01	15.04	15.00	16.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	0.0		
30	PI2 BPSK	1	1		15.05	15.11	15.02	16.0	0.0
Channel				630653	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48	0.0		
25	PI2 BPSK	1	1		14.99	15.04	15.02	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	0.0		
20	PI2 BPSK	1	1		15.06	15.08	15.03	16.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	0.0		
15	PI2 BPSK	1	1		15.00	15.05	14.97	16.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	0.0		
10	PI2 BPSK	1	1		14.97	15.06	15.03	16.0	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				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	15.19	15.20	14.97	16.0	0.0	
100	PI2 BPSK	1	137	14.81	14.95	14.72			
100	PI2 BPSK	1	271	14.59	14.58	14.31	16.0	0.0	
100	PI2 BPSK	135	0	15.01	15.05	14.86			
100	PI2 BPSK	135	69	15.00	15.15	14.84	16.0	0.0	
100	PI2 BPSK	135	138	15.01	14.91	14.74	16.0	0.0	
100	PI2 BPSK	270	0	14.94	15.12	14.86			
100	QPSK	1	1	14.87	14.91	14.68	16.0	0.0	
100	QPSK	1	137	14.93	14.84	14.76			
100	QPSK	1	271	14.58	14.70	14.55	16.0	0.0	
100	QPSK	135	0	15.02	15.12	14.77			
100	QPSK	135	69	15.08	15.08	14.79	16.0	0.0	
100	QPSK	135	138	14.94	14.99	14.87			
100	QPSK	270	0	15.06	15.04	14.79	16.0	0.0	
100	16QAM	1	1	15.12	15.16	14.88	16.0	0.0	
100	64QAM	1	1	15.03	15.05	14.76	16.0	0.0	
100	256QAM	1	1	15.09	15.04	14.78	16.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	0.0		
90	PI2 BPSK	1	1	15.15	15.17	14.84	16.0	0.0	
Channel				649333	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	0.0		
80	PI2 BPSK	1	1	15.17	15.17	14.84	16.0	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	0.0		
70	PI2 BPSK	1	1	15.16	15.14	14.91	16.0	0.0	
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	0.0		
60	PI2 BPSK	1	1	15.12	15.15	14.91	16.0	0.0	
Channel				648333	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	0.0		
50	PI2 BPSK	1	1	15.14	15.18	14.84	16.0	0.0	
Channel				648000	650000	650400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	0.0		
40	PI2 BPSK	1	1	15.17	15.15	14.92	16.0	0.0	
Channel				647668	650000	650432	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840.03	3964.98	0.0		
30	PI2 BPSK	1	1	15.17	15.19	14.85	16.0	0.0	
Channel				647333	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840.00	3967.50	0.0		
25	PI2 BPSK	1	1	15.16	15.16	14.84	16.0	0.0	
Channel				647334	650000	650866	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	0.0		
20	PI2 BPSK	1	1	15.17	15.15	14.95	16.0	0.0	
Channel				647168	650000	650832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48	0.0		
15	PI2 BPSK	1	1	15.17	15.18	14.85	16.0	0.0	
Channel				647000	650000	650900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	0.0		
10	PI2 BPSK	1	1	15.15	15.14	14.84	16.0	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				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		19.03		20.5	0.0	
100	PI2 BPSK	1	137		18.91				
100	PI2 BPSK	1	271		18.86		20.5	0.0	
100	PI2 BPSK	135	0		18.79				
100	PI2 BPSK	135	69		18.95		20.5	0.0	
100	PI2 BPSK	135	138		18.90		20.5	0.0	
100	PI2 BPSK	270	0		18.93				
100	QPSK	1	1		18.89		20.5	0.0	
100	QPSK	1	137		18.89				
100	QPSK	1	271		18.51		20.5	0.0	
100	QPSK	135	0		18.90				
100	QPSK	135	69		19.00		20.5	0.0	
100	QPSK	135	138		18.87				
100	QPSK	270	0		18.86		20.5	0.0	
100	16QAM	1	1		18.87		20.5	0.0	
100	64QAM	1	1		17.51				
100	256QAM	1	1		15.64		19.5	3.0	
Channel				633500					
Frequency (MHz)				3500.01					
90	PI2 BPSK	1	1		18.90	18.92	18.93	20.5	
Channel				632668					
Frequency (MHz)				3490.02					
80	PI2 BPSK	1	1		18.87	18.92	18.93	20.5	
Channel				632334					
Frequency (MHz)				3485.01					
70	PI2 BPSK	1	1		18.91	18.90	18.89	20.5	
Channel				632000					
Frequency (MHz)				3480.02					
60	PI2 BPSK	1	1		18.87	18.97	18.91	20.5	
Channel				631668					
Frequency (MHz)				3475.02					
50	PI2 BPSK	1	1		18.91	18.88	18.85	20.5	
Channel				631334					
Frequency (MHz)				3470.01					
40	PI2 BPSK	1	1		18.95	18.89	18.88	20.5	
Channel				631000					
Frequency (MHz)				3465.00					
30	PI2 BPSK	1	1		18.89	18.86	18.89	20.5	
Channel				630668					
Frequency (MHz)				3462.51					
25	PI2 BPSK	1	1		18.92	18.93	18.87	20.5	
Channel				630668					
Frequency (MHz)				3460.02					
20	PI2 BPSK	1	1		18.85	18.86	18.84	20.5	
Channel				630500					
Frequency (MHz)				3457.5					
15	PI2 BPSK	1	1		18.94	18.92	18.91	20.5	
Channel				630334					
Frequency (MHz)				3455.01					
10	PI2 BPSK	1	1		18.93	18.90	18.93	20.5	

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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	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.96	19.08	18.95	20.5	0.0
100	PI2 BPSK	1	137	18.86	19.04	18.89		
100	PI2 BPSK	1	271	18.54	18.80	18.53		
100	PI2 BPSK	135	0	18.77	18.97	18.88	20.5	0.0
100	PI2 BPSK	135	69	18.89	19.06	18.90	20.5	0.0
100	PI2 BPSK	135	138	18.72	18.82	18.83	20.5	0.0
100	PI2 BPSK	270	0	18.76	18.93	18.82	20.5	0.0
100	QPSK	1	1	18.45	18.77	18.62		
100	QPSK	1	137	18.76	19.07	18.84		
100	QPSK	1	271	18.57	18.77	18.63	20.5	0.0
100	QPSK	135	0	18.61	18.78	18.65		
100	QPSK	135	69	18.80	19.05	18.81		
100	QPSK	135	138	18.80	18.92	18.79	20.5	0.0
100	QPSK	270	0	18.70	18.88	18.79	20.5	0.0
100	16QAM	1	1	18.35	18.55	18.26	20.5	0.0
100	64QAM	1	1	17.71	17.79	17.74	19.5	1.0
100	256QAM	1	1	15.58	15.54	15.52	17.5	3.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	18.63	19.03	18.86	20.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	18.83	18.97	18.88	20.5	0.0
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3734	3840	3945		
70	PI2 BPSK	1	1	18.85	18.95	18.87	20.5	0.0
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	18.54	19.01	18.82	20.5	0.0
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	18.87	19.00	18.92	20.5	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3722	3840	3960		
40	PI2 BPSK	1	1	18.89	18.98	18.93	20.5	0.0
Channel				647668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI2 BPSK	1	1	18.88	18.97	18.82	20.5	0.0
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840.00	3967.50		
25	PI2 BPSK	1	1	18.92	19.05	18.90	20.5	0.0
Channel				647000	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	18.87	19.05	18.91	20.5	0.0
Channel				647168	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	18.88	19.04	18.92	20.5	0.0
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	18.86	19.05	18.88	20.5	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)					3500.01				
100	PI2 BPSK	1	1		18.48		19.5	0.0	
100	PI2 BPSK	1	137		18.38				
100	PI2 BPSK	1	271		18.02				
100	PI2 BPSK	135	0		18.38		19.5	0.0	
100	PI2 BPSK	135	69		18.45		19.5	0.0	
100	PI2 BPSK	135	138		18.28		19.5	0.0	
100	PI2 BPSK	270	0		18.39				
100	QPSK	1	1		18.17				
100	QPSK	1	137		18.31		19.5	0.0	
100	QPSK	1	271		18.08		19.5	0.0	
100	QPSK	135	0		18.35				
100	QPSK	135	69		18.32				
100	QPSK	135	138		18.37		19.5	0.0	
100	QPSK	270	0		18.31		19.5	0.0	
100	16QAM	1	1		18.26		19.5	0.0	
100	64QAM	1	1		18.25		19.5	0.0	
100	256QAM	1	1		17.18		18.0	1.5	
Channel									
Frequency (MHz)					633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
					3495	3500.01	3504.99		
90	PI2 BPSK	1	1		18.37	18.36	18.37	19.5	0.0
Channel									
Frequency (MHz)					632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
					3490.02	3500.01	3510		
80	PI2 BPSK	1	1		18.30	18.35	18.30	19.5	0.0
Channel									
Frequency (MHz)					632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
					3485.01	3500.01	3514.96		
70	PI2 BPSK	1	1		18.30	18.37	18.34	19.5	0.0
Channel									
Frequency (MHz)					632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
					3480	3500.01	3519.99		
60	PI2 BPSK	1	1		18.38	18.43	18.29	19.5	0.0
Channel									
Frequency (MHz)					631668	633334	633000	Tune-up limit (dBm)	MPR (dB)
					3475.02	3500.01	3525		
50	PI2 BPSK	1	1		18.38	18.35	18.32	19.5	0.0
Channel									
Frequency (MHz)					631334	633334	633532	Tune-up limit (dBm)	MPR (dB)
					3470.01	3500.01	3528.96		
40	PI2 BPSK	1	1		18.32	18.40	18.32	19.5	0.0
Channel									
Frequency (MHz)					631000	633334	633666	Tune-up limit (dBm)	MPR (dB)
					3465	3500.01	3534.99		
30	PI2 BPSK	1	1		18.36	18.42	18.35	19.5	0.0
Channel									
Frequency (MHz)					630534	633334	633000	Tune-up limit (dBm)	MPR (dB)
					3462.51	3500.01	3537.48		
25	PI2 BPSK	1	1		18.37	18.41	18.37	19.5	0.0
Channel									
Frequency (MHz)					630668	633334	633600	Tune-up limit (dBm)	MPR (dB)
					3460.02	3500.01	3540		
20	PI2 BPSK	1	1		18.33	18.42	18.28	19.5	0.0
Channel									
Frequency (MHz)					630500	633334	633168	Tune-up limit (dBm)	MPR (dB)
					3457.5	3500.01	3542.49		
15	PI2 BPSK	1	1		18.39	18.38	18.29	19.5	0.0
Channel									
Frequency (MHz)					630334	633334	633332	Tune-up limit (dBm)	MPR (dB)
					3455.01	3500.01	3544.98		
10	PI2 BPSK	1	1		18.39	18.44	18.35	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	650000			
Frequency (MHz)					3750			
100	PI2 BPSK	1	1		18.66		19.5	0.0
100	PI2 BPSK	1	137		18.52			
100	PI2 BPSK	1	271		18.42			
100	PI2 BPSK	135	0		18.40		19.5	0.0
100	PI2 BPSK	135	69		18.57		19.5	0.0
100	PI2 BPSK	135	138		18.53		19.5	0.0
100	PI2 BPSK	270	0		18.52			
100	QPSK	1	1		18.23			
100	QPSK	1	137		18.50		19.5	0.0
100	QPSK	1	271		18.38		19.5	0.0
100	QPSK	135	0		18.37			
100	QPSK	135	69		18.59			
100	QPSK	135	138		18.49		19.5	0.0
100	QPSK	270	0		18.34		19.5	0.0
100	16QAM	1	1		18.38		19.5	0.0
100	64QAM	1	1		18.48		19.5	0.0
100	256QAM	1	1		17.40		18.0	1.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	18.56	18.59	18.52	19.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	18.51	18.62	18.49	19.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3734	3750	3765		
70	PI2 BPSK	1	1	18.48	18.53	18.46	19.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	18.56	18.53	18.54	19.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	18.54	18.53	18.52	19.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	18.48	18.63	18.50	19.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI2 BPSK	1	1	18.52	18.59	18.49	19.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3794.99		
25	PI2 BPSK	1	1	18.50	18.58	18.56	19.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
20	PI2 BPSK	1	1	18.58	18.55	18.52	19.5	0.0
Channel				646668	650000	653332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3702.52	3750	3792.48		
15	PI2 BPSK	1	1	18.57	18.56	18.48	19.5	0.0
Channel				646334	650000	653666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3750	3790		
10	PI2 BPSK	1	1	18.55	18.58	18.51	19.5	0.0

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				63333.4		63333.4			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		15.54				
100	PI2 BPSK	1	137		15.52		17.0	0.0	
100	PI2 BPSK	1	271		15.28				
100	PI2 BPSK	135	0		15.38		17.0	0.0	
100	PI2 BPSK	135	69		15.50		17.0	0.0	
100	PI2 BPSK	135	138		15.39		17.0	0.0	
100	PI2 BPSK	270	0		15.45		17.0	0.0	
100	QPSK	1	1		15.22		17.0	0.0	
100	QPSK	1	137		15.49				
100	QPSK	1	271		15.34		17.0	0.0	
100	QPSK	135	0		15.48				
100	QPSK	135	69		15.46		17.0	0.0	
100	QPSK	135	138		15.48				
100	QPSK	270	0		15.50		17.0	0.0	
100	16QAM	1	1		15.09		17.0	0.0	
100	64QAM	1	1		14.99		17.0	0.0	
100	256QAM	1	1		15.44		17.0	0.0	
Channel				633000	63333.4	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3504.99			
90	PI2 BPSK	1	1	15.42	15.46	15.42	17.0	0.0	
Channel				632666	63333.4	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1	15.43	15.43	15.34	17.0	0.0	
Channel				632334	63333.4	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1	15.37	15.44	15.37	17.0	0.0	
Channel				632000	63333.4	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1	15.37	15.47	15.35	17.0	0.0	
Channel				631666	63333.4	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1	15.37	15.51	15.37	17.0	0.0	
Channel				631334	63333.4	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI2 BPSK	1	1	15.44	15.45	15.39	17.0	0.0	
Channel				631000	63333.4	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1	15.36	15.47	15.44	17.0	0.0	
Channel				630666	63333.4	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1	15.43	15.46	15.38	17.0	0.0	
Channel				630666	63333.4	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1	15.44	15.45	15.35	17.0	0.0	
Channel				630500	63333.4	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1	15.43	15.46	15.37	17.0	0.0	
Channel				630334	63333.4	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1	15.45	15.44	15.42	17.0	0.0	

Part27O 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				650000		650000			
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		15.59				
100	PI2 BPSK	1	137		15.49		17.0	0.0	
100	PI2 BPSK	1	271		15.47				
100	PI2 BPSK	135	0		15.34		17.0	0.0	
100	PI2 BPSK	135	69		15.55		17.0	0.0	
100	PI2 BPSK	135	138		15.51		17.0	0.0	
100	PI2 BPSK	270	0		15.46				
100	QPSK	1	1		15.21		17.0	0.0	
100	QPSK	1	137		15.48				
100	QPSK	1	271		15.45		17.0	0.0	
100	QPSK	135	0		15.32				
100	QPSK	135	69		15.47		17.0	0.0	
100	QPSK	135	138		15.54				
100	QPSK	270	0		15.49		17.0	0.0	
100	16QAM	1	1		14.99		17.0	0.0	
100	64QAM	1	1		14.96		17.0	0.0	
100	256QAM	1	1		15.45		17.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3764.98			
90	PI2 BPSK	1	1	15.44	15.50	15.42	17.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3769.99			
80	PI2 BPSK	1	1	15.50	15.50	15.45	17.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PI2 BPSK	1	1	15.48	15.48	15.49	17.0	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI2 BPSK	1	1	15.49	15.54	15.43	17.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI2 BPSK	1	1	15.49	15.49	15.43	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI2 BPSK	1	1	15.46	15.54	15.49	17.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI2 BPSK	1	1	15.51	15.49	15.39	17.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750.00	3787.50			
25	PI2 BPSK	1	1	15.44	15.51	15.45	17.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PI2 BPSK	1	1	15.49	15.47	15.39	17.0	0.0	
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI2 BPSK	1	1	15.45	15.48	15.48	17.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI2 BPSK	1	1	15.50	15.51	15.39	17.0	0.0	

Part27Q n78_Ant 6 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				633334			16.0	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		15.06				
100	PI2 BPSK	1	137		14.98				
100	PI2 BPSK	1	271		14.85		16.0	0.0	
100	PI2 BPSK	135	0		14.99				
100	PI2 BPSK	135	69		15.03				
100	PI2 BPSK	135	138		14.92				
100	PI2 BPSK	270	0		15.01		16.0	0.0	
100	QPSK	1	1		14.79				
100	QPSK	1	137		14.85				
100	QPSK	1	271		14.65				
100	QPSK	135	0		14.91		16.0	0.0	
100	QPSK	135	69		14.96				
100	QPSK	135	138		14.89				
100	QPSK	270	0		14.90				
100	16QAM	1	1		14.91		16.0	0.0	
100	64QAM	1	1		14.87				
100	256QAM	1	1		14.96				
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI2 BPSK	1	1		14.92	14.95	14.91	16.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		14.84	14.94	14.89	16.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1		14.96	14.96	14.95	16.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1		14.92	14.95	14.88	16.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		14.96	14.95	14.89	16.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI2 BPSK	1	1		14.90	15.01	14.93	16.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		14.96	14.98	14.86	16.0	
Channel				630504	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1		14.94	14.94	14.88	16.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1		14.94	14.98	14.95	16.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1		14.89	15.02	14.95	16.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		14.97	14.96	14.87	16.0	

Part27O n78_Ant 6 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			16.0	0.0				
Frequency (MHz)				3750								
100	PI2 BPSK	1	1		15.05							
100	PI2 BPSK	1	137		15.05							
100	PI2 BPSK	1	271		14.65							
100	QPSK	1	137		14.99							
100	PI2 BPSK	135	69		15.01			16.0	0.0			
100	PI2 BPSK	135	138		14.82			16.0	0.0			
100	PI2 BPSK	270	0		14.91			16.0	0.0			
100	QPSK	1	1		14.65							
100	QPSK	1	137		14.99			16.0	0.0			
100	QPSK	1	271		14.63							
100	QPSK	135	0		14.93							
100	QPSK	135	69		14.99			16.0	0.0			
100	QPSK	135	138		14.82							
100	QPSK	270	0		14.90							
100	16QAM	1	1		14.97			16.0	0.0			
100	64QAM	1	1		14.98			16.0	0.0			
100	256QAM	1	1		14.95			16.0	0.0			
Channel				649668	650000	650332	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3745.02	3750	3754.98						
90	PI2 BPSK	1	1	14.89	14.93	14.85	16.0					
Channel				649334	650000	650666	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3740.01	3750	3759.99						
80	PI2 BPSK	1	1	14.96	14.96	14.86	16.0					
Channel				649000	650000	651000	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3735	3750	3765						
70	PI2 BPSK	1	1	14.91	15.01	14.87	16.0					
Channel				648668	650000	651332	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3730.02	3750	3769.98						
60	PI2 BPSK	1	1	14.89	14.98	14.97	16.0					
Channel				648334	650000	651666	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3725.01	3750	3774.99						
50	PI2 BPSK	1	1	14.95	14.95	14.92	16.0					
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3720	3750	3780						
40	PI2 BPSK	1	1	14.95	14.98	14.93	16.0					
Channel				647668	650000	652332	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3715.02	3750.00	3784.98						
30	PI2 BPSK	1	1	14.89	15.02	14.89	16.0					
Channel				647334	650000	652666	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3710.01	3750	3789.99						
25	PI2 BPSK	1	1	14.93	14.92	14.86	16.0					
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3707.52	3750	3792.48						
20	PI2 BPSK	1	1	14.92	15.01	14.90	16.0					
Channel				647168	650000	652832	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3707.52	3750	3792.48						
15	PI2 BPSK	1	1	14.94	14.99	14.88	16.0					
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				3705	3750	3795						
10	PI2 BPSK	1	1	14.96	14.97	14.86	16.0					

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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				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		18.02		19.5	0.0	
100	PI/2 BPSK	1	137		17.80				
100	PI/2 BPSK	1	271		17.79				
100	PI/2 BPSK	135	0		17.79		19.5	0.0	
100	PI/2 BPSK	135	69		17.65		19.5	0.0	
100	PI/2 BPSK	135	138		17.87		19.5	0.0	
100	PI/2 BPSK	270	0		17.80		19.5	0.0	
100	QPSK	1	1		17.59				
100	QPSK	1	137		17.89				
100	QPSK	1	271		17.61		19.5	0.0	
100	QPSK	135	0		17.81				
100	QPSK	135	69		17.91				
100	QPSK	135	138		17.72		19.5	0.0	
100	QPSK	270	0		17.76		19.5	0.0	
100	16QAM	1	1		17.87		19.5	0.0	
100	64QAM	1	1		17.89		19.5	0.0	
100	256QAM	1	1		17.23		19.5	1.0	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3485	3500.01	3504.99	(dBm)	(dB)	
90	PI/2 BPSK	1	1		17.89	17.89	17.84	19.5	0.0
Channel				632505	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	PI/2 BPSK	1	1		17.94	17.99	17.85	19.5	0.0
Channel				632234	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	PI/2 BPSK	1	1		17.92	17.99	17.87	19.5	0.0
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	PI/2 BPSK	1	1		17.88	17.91	17.86	19.5	0.0
Channel				631666	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	PI/2 BPSK	1	1		17.88	17.98	17.89	19.5	0.0
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.99	(dBm)	(dB)	
40	PI/2 BPSK	1	1		17.92	17.92	17.82	19.5	0.0
Channel				631000	633334	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)	
30	PI/2 BPSK	1	1		17.92	17.91	17.83	19.5	0.0
Channel				630504	633334	635999	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)	(dB)	
25	PI/2 BPSK	1	1		17.99	17.95	17.84	19.5	0.0
Channel				630988	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	PI/2 BPSK	1	1		17.85	17.89	17.86	19.5	0.0
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	PI/2 BPSK	1	1		17.86	17.89	17.90	19.5	0.0
Channel				630304	633334	636232	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	PI/2 BPSK	1	1		17.89	17.92	17.85	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)				3750				
100	PI/2 BPSK	1	1		18.20		19.5	0.0
100	PI/2 BPSK	1	137		18.10			
100	PI/2 BPSK	1	271		18.06			
100	PI/2 BPSK	135	0		18.09		19.5	0.0
100	PI/2 BPSK	135	69		18.14		19.5	0.0
100	PI/2 BPSK	135	138		18.01		19.5	0.0
100	PI/2 BPSK	270	0		18.05		19.5	0.0
100	QPSK	1	1		17.74			
100	QPSK	1	137		18.06			
100	QPSK	1	271		17.63		19.5	0.0
100	QPSK	135	0		18.09			
100	QPSK	135	69		18.09			
100	QPSK	135	138		17.96		19.5	0.0
100	QPSK	270	0		18.01		19.5	0.0
100	16QAM	1	1		18.05		19.5	0.0
100	64QAM	1	1		18.14		19.5	0.0
100	256QAM	1	1		17.82		18.5	1.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	18.04	18.13	18.02	19.5	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	18.08	18.12	18.03	19.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	PI/2 BPSK	1	1	18.06	18.15	18.05	19.5	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	18.10	18.10	18.10	19.5	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	18.05	18.14	18.00	19.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	18.03	18.10	18.02	19.5	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	18.10	18.13	18.02	19.5	0.0
Channel				647500	650000	652500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3750.00	3787.50	(dBm)	(dB)
25	PI/2 BPSK	1	1	18.10	18.10	18.05	19.5	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3788.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	18.10	18.17	18.03	19.5	0.0
Channel				647168	650000	652832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	18.10	18.07	18.06	19.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI/2 BPSK	1	1	18.08	18.08	18.08	19.5	0.0



Reduced Power for DS11

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				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	22.53				
25	PI2 BPSK	1	65	23.17				
25	PI2 BPSK	1	131	22.34			24.0	0.0
25	PI2 BPSK	64	0	23.15				
25	PI2 BPSK	64	32	23.16			24.0	0.0
25	PI2 BPSK	64	66	22.92			24.0	0.0
25	PI2 BPSK	128	0	23.13				
25	QPSK	1	1	22.42				
25	QPSK	1	65	22.06			24.0	0.0
25	QPSK	1	131	22.35				
25	QPSK	64	0	23.07			24.0	0.0
25	QPSK	64	32	23.14			24.0	0.0
25	QPSK	64	66	22.94			24.0	0.0
25	QPSK	128	0	23.05				
25	16QAM	1	1	22.21			24.0	0.0
25	64QAM	1	1	21.27			23.0	1.0
25	256QAM	1	1	19.81			21.0	3.0
Channel				166800	167300	167800	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.02	23.15	22.98	24.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	22.99	23.11	23.01	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				828	836.5	844		
10	PI2 BPSK	1	1	23.04	23.16	22.98	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	23.03	23.13	22.96	24.0	0.0

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	22.78				
25	PI2 BPSK	1	65	23.43			24.7	0.0
25	PI2 BPSK	1	131	22.73				
25	PI2 BPSK	64	0	23.41			24.7	0.0
25	PI2 BPSK	64	32	23.42			24.7	0.0
25	PI2 BPSK	64	66	23.21			24.7	0.0
25	PI2 BPSK	128	0	23.35				
25	QPSK	1	1	22.79				
25	QPSK	1	65	23.39			24.7	0.0
25	QPSK	1	131	22.79				
25	QPSK	64	0	23.39			24.7	0.0
25	QPSK	64	32	23.41			24.7	0.0
25	QPSK	64	66	23.14			24.7	0.0
25	QPSK	128	0	23.34				
25	16QAM	1	1	22.51			24.7	0.0
25	64QAM	1	1	21.05			23.2	1.5
25	256QAM	1	1	19.58			21.2	3.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.33	23.40	23.24	24.7	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	23.30	23.37	23.24	24.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				828	836.5	844		
10	PI2 BPSK	1	1	23.30	23.35	23.23	24.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	23.28	23.38	23.25	24.7	0.0

n7_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000		507000	509000	
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.48	23.53	23.47		
50	PI2 BPSK	1	135	23.36	23.30	23.33		
50	PI2 BPSK	1	268	23.39	23.43	23.21	25.0	0.0
50	PI2 BPSK	135	0	23.32	23.30	23.27	24.5	0.5
50	PI2 BPSK	135	68	23.44	23.45	23.37	25.0	0.0
50	PI2 BPSK	135	135	23.43	23.40	23.27		
50	PI2 BPSK	270	0	23.38	23.52	23.42	24.5	0.5
50	QPSK	1	1	23.02	23.15	23.07		
50	QPSK	1	135	23.25	23.43	23.21	25.0	0.0
50	QPSK	1	268	23.32	23.41	23.24		
50	QPSK	135	0	22.81	22.95	22.83	24.0	1.0
50	QPSK	135	68	23.34	23.32	23.37	25.0	0.0
50	QPSK	135	135	22.81	23.08	22.91		
50	QPSK	270	0	22.86	22.92	22.84	24.0	1.0
50	16QAM	1	1	22.00	22.07	22.11	24.0	1.0
50	64QAM	1	1	20.51	20.53	20.63	22.5	2.5
50	256QAM	1	1	18.53	18.59	18.59	20.5	4.5
Channel				504000	507000	510000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	23.17	23.42	23.08	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	23.04	23.31	23.05	25.0	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2557.5		
25	PI2 BPSK	1	1	23.13	23.33	23.15	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.10	23.44	23.09	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	23.08	23.42	23.08	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	23.06	23.40	23.13	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	23.06	23.37	23.05	25.0	0.0

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	21.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pi/2 BPSK	1	1	20.61	20.63	20.57			
50	Pi/2 BPSK	1	135	20.30	20.40	20.38			
50	Pi/2 BPSK	1	268	20.23	20.29	20.19	21.5	0.0	
50	Pi/2 BPSK	135	0	20.41	20.42	20.41			
50	Pi/2 BPSK	135	68	20.42	20.51	20.40			
50	Pi/2 BPSK	135	135	20.32	20.41	20.45			
50	Pi/2 BPSK	270	0	20.38	20.53	20.40	21.5 0.0		
50	QPSK	1	1	20.16	20.29	20.13	21.5	0.0	
50	QPSK	1	135	20.35	20.33	20.33			
50	QPSK	1	268	20.35	20.34	20.36			
50	QPSK	135	0	20.47	20.52	20.41		21.5 0.0	
50	QPSK	135	68	20.54	20.53	20.41	21.5 0.0		
50	QPSK	135	135	20.32	20.40	20.32	21.5 0.0		
50	QPSK	270	0	20.25	20.36	20.36	21.5 0.0		
50	16QAM	1	1	20.15	20.21	20.11	21.5 0.0		
50	64QAM	1	1	20.07	20.15	19.99	21.5 0.0		
50	256QAM	1	1	18.69	18.74	18.71	21.0 0.5		
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	Pi/2 BPSK	1	1	20.59	20.58	20.46	21.5 0.0		
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	Pi/2 BPSK	1	1	20.54	20.54	20.50	21.5 0.0		
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
25	Pi/2 BPSK	1	1	20.53	20.61	20.47	21.5 0.0		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	Pi/2 BPSK	1	1	20.51	20.59	20.46	21.5 0.0		
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	Pi/2 BPSK	1	1	20.50	20.56	20.50	21.5 0.0		
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	Pi/2 BPSK	1	1	20.49	20.59	20.49	21.5 0.0		
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	Pi/2 BPSK	1	1	20.50	20.59	20.46	21.5 0.0		

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	19.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pi/2 BPSK	1	1	18.04	18.20	18.05			
50	Pi/2 BPSK	1	135	17.95	18.08	17.96			
50	Pi/2 BPSK	1	268	17.78	17.82	17.76	19.5	0.0	
50	Pi/2 BPSK	135	0	17.95	18.06	17.98			
50	Pi/2 BPSK	135	68	18.00	18.15	17.98			
50	Pi/2 BPSK	135	135	17.97	18.11	17.95			
50	Pi/2 BPSK	270	0	17.93	18.12	17.97	19.5 0.0		
50	QPSK	1	1	17.77	17.80	17.74	19.5	0.0	
50	QPSK	1	135	17.92	18.06	17.88			
50	QPSK	1	268	17.78	17.84	17.77			
50	QPSK	135	0	17.97	18.18	18.06		19.5 0.0	
50	QPSK	135	68	17.97	18.11	17.92	19.5 0.0		
50	QPSK	135	135	18.01	18.18	17.98	19.5 0.0		
50	QPSK	270	0	18.02	18.17	17.96	19.5 0.0		
50	16QAM	1	1	17.81	17.73	17.57	19.5 0.0		
50	64QAM	1	1	17.60	17.80	17.68	19.5 0.0		
50	256QAM	1	1	17.80	17.99	17.78	19.5 0.0		
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	Pi/2 BPSK	1	1	18.01	18.17	17.92	19.5 0.0		
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	Pi/2 BPSK	1	1	17.91	18.08	17.93	19.5 0.0		
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512	2535	2557.5	(dBm)	(dB)	
25	Pi/2 BPSK	1	1	17.94	18.16	17.99	19.5 0.0		
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	Pi/2 BPSK	1	1	17.99	18.10	17.99	19.5 0.0		
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	Pi/2 BPSK	1	1	18.01	18.17	17.97	19.5 0.0		
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	Pi/2 BPSK	1	1	17.97	18.18	18.00	19.5 0.0		
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	Pi/2 BPSK	1	1	17.92	18.08	18.00	19.5 0.0		

n7_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				505000	507000	509000	21.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pi/2 BPSK	1	1	19.31	19.32	19.25			
50	Pi/2 BPSK	1	135	18.87	19.06	18.83			
50	Pi/2 BPSK	1	268	18.84	18.90	18.85	21.0	0.0	
50	Pi/2 BPSK	135	0	19.03	19.07	19.10			
50	Pi/2 BPSK	135	68	19.13	19.20	19.15			
50	Pi/2 BPSK	135	135	19.03	19.18	19.04			
50	Pi/2 BPSK	270	0	19.04	19.08	19.07	21.0	0.0	
50	QPSK	1	1	18.76	18.76	18.88	21.0	0.0	
50	QPSK	1	135	19.01	19.00	18.92			
50	QPSK	1	268	18.83	18.92	18.93			
50	QPSK	135	0	19.13	19.23	19.12			
50	QPSK	135	68	19.18	19.21	19.07	21.0	0.0	
50	QPSK	135	135	18.99	19.07	19.03	21.0	0.0	
50	QPSK	270	0	18.95	19.08	18.96	21.0	0.0	
50	16QAM	1	1	18.70	18.71	18.73	21.0	0.0	
50	64QAM	1	1	18.76	18.74	18.77	21.0	0.0	
50	256QAM	1	1	18.25	18.19	18.17	20.0	1.0	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	Pi/2 BPSK	1	1	19.24	19.29	19.23	21.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	Pi/2 BPSK	1	1	19.25	19.25	19.12	21.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
25	Pi/2 BPSK	1	1	19.27	19.23	19.21	21.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	Pi/2 BPSK	1	1	19.25	19.19	19.22	21.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2567.5	(dBm)	(dB)	
15	Pi/2 BPSK	1	1	19.25	19.22	19.23	21.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	Pi/2 BPSK	1	1	19.28	19.24	19.23	21.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	Pi/2 BPSK	1	1	19.18	19.19	19.23	21.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				349000	349000	350000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.35	22.46	22.44			
40	PI2 BPSK	1	108	22.31	22.40	22.40			
40	PI2 BPSK	1	214	22.31	22.31	22.37	23.5	0.5	
40	PI2 BPSK	108	0	22.38	22.22	22.34			
40	PI2 BPSK	108	54	22.40	22.45	22.37			
40	PI2 BPSK	108	108	22.27	22.35	22.35			
40	PI2 BPSK	216	0	22.35	22.44	22.25	23.5	0.5	
40	QPSK	1	1	22.22	22.24	22.17			
40	QPSK	1	108	22.19	22.30	22.21			
40	QPSK	1	214	22.30	22.38	22.22			
40	QPSK	108	0	21.89	21.80	21.84	23.0	1.0	
40	QPSK	108	54	22.30	22.35	22.25			
40	QPSK	108	108	21.88	21.88	21.72			
40	QPSK	216	0	21.72	21.79	21.65			
40	16QAM	1	1	21.06	21.13	20.95	23.0	1.0	
40	64QAM	1	1	19.74	19.74	19.71			
40	256QAM	1	1	17.45	17.50	17.53			
				17.53	17.53	17.53			
Channel				350000	349000	353000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1755	1745	1765	(dB)	(dB)	
30	PI2 BPSK	1	1	22.30	22.40	22.40			
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	22.27	22.42	22.32			
Channel				344000	349000	354000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dB)	(dB)	
20	PI2 BPSK	1	1	22.21	22.34	22.32			
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	22.23	22.43	22.37			
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dB)	(dB)	
10	PI2 BPSK	1	1	22.25	22.33	22.36			
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	22.21	22.31	22.33			

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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				349000	349000	350000	22.5	0.0			
Frequency (MHz)				1730	1745	1760					
40	PI2 BPSK	1	1	21.39	21.57	21.44					
40	PI2 BPSK	1	108	21.38	21.55	21.34					
40	PI2 BPSK	1	214	21.17	21.41	21.26	22.5			0.0	
40	PI2 BPSK	108	0	21.39	21.47	21.28					
40	PI2 BPSK	108	54	21.34	21.49	21.31					
40	PI2 BPSK	108	108	21.38	21.45	21.25					
40	PI2 BPSK	216	0	21.43	21.44	21.37	22.5			0.0	
40	QPSK	1	1	21.28	21.37	21.20					
40	QPSK	1	108	21.40	21.56	21.38					
40	QPSK	1	214	21.24	21.48	21.23					
40	QPSK	108	0	21.32	21.55	21.33	22.5			0.0	
40	QPSK	108	54	21.34	21.51	21.30					
40	QPSK	108	108	21.42	21.49	21.34					
40	QPSK	216	0	21.19	21.24	21.05					
40	16QAM	1	1	20.89	21.15	20.89	22.5			0.0	
40	64QAM	1	1	20.14	20.08	20.20					
40	256QAM	1	1	18.77	18.94	18.94	20.0			2.5	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR (dB)			
Frequency (MHz)				1725	1745	1765	(dB)	(dB)			
30	PI2 BPSK	1	1	21.29	21.49	21.33	22.5			0.0	
Channel				344500	349000	353500					
Frequency (MHz)				1722.5	1745	1767.5					
25	PI2 BPSK	1	1	21.29	21.49	21.39					
Channel				344000	349000	354000	Tune-up limit (dB)	MPR (dB)			
Frequency (MHz)				1720	1745	1770	(dB)	(dB)			
20	PI2 BPSK	1	1	21.27	21.55	21.40	22.5			0.0	
Channel				343500	349000	354500					
Frequency (MHz)				1717.5	1745	1772.5					
15	PI2 BPSK	1	1	21.34	21.51	21.41					
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)			
Frequency (MHz)				1715	1745	1775	(dB)	(dB)			
10	PI2 BPSK	1	1	21.35	21.44	21.34	22.5			0.0	
Channel				342500	349000	355500					
Frequency (MHz)				1712.5	1745	1777.5					
5	PI2 BPSK	1	1	21.34	21.44	21.41					

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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				346000	349000	352000	23.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	21.35	21.60	21.32			
40	PI2 BPSK	1	108	21.36	21.58	21.28			
40	PI2 BPSK	1	214	21.27	21.50	21.27	23.0	0.0	
40	PI2 BPSK	108	0	21.21	21.43	21.16			
40	PI2 BPSK	108	54	21.33	21.55	21.28			
40	PI2 BPSK	108	108	21.25	21.51	21.24			
40	PI2 BPSK	216	0	21.25	21.53	21.24	23.0		
40	QPSK	1	1	21.02	21.28	20.97			
40	QPSK	1	108	21.20	21.43	21.14			
40	QPSK	1	214	21.04	21.28	21.02			
40	QPSK	108	0	21.22	21.45	21.22	22.5		
40	QPSK	108	54	21.13	21.43	21.17			
40	QPSK	108	108	21.28	21.49	21.19			
40	QPSK	216	0	21.24	21.52	21.29			
40	16QAM	1	1	21.30	21.52	21.38	22.5		
40	64QAM	1	1	20.52	20.53	20.48			
40	256QAM	1	1	18.23	18.24	18.23			
Channel				345000	349000	353000	Tune-up limit (dBm)		
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	21.25	21.57	21.19			
Channel				344500	349000	353500	Tune-up limit (dBm)		
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	21.24	21.52	21.24			
Channel				344000	349000	354000	Tune-up limit (dBm)		
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	21.24	21.50	21.20			
Channel				343500	349000	354500	Tune-up limit (dBm)		
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	21.25	21.56	21.28			
Channel				343000	349000	355000	Tune-up limit (dBm)		
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	21.32	21.57	21.30			
Channel				342500	349000	355500	Tune-up limit (dBm)		
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	21.28	21.48	21.27			
Channel				342000	349000	356000	23.0		
Frequency (MHz)				1710	1745	1780			
Channel				341500	349000	356500			
Frequency (MHz)				1707.5	1745	1782.5			

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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				349000	349000	352000	23.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	21.17	21.27	21.12			
40	PI2 BPSK	1	108	21.15	21.12	21.06			
40	PI2 BPSK	1	214	21.08	21.21	21.14	23.0	0.0	
40	PI2 BPSK	108	0	21.19	21.21	21.10			
40	PI2 BPSK	108	54	21.05	21.25	21.10			
40	PI2 BPSK	108	108	21.06	21.11	21.05			
40	PI2 BPSK	216	0	21.08	21.20	21.05	23.0	0.0	
40	QPSK	1	1	21.11	21.23	21.09			
40	QPSK	1	108	21.16	21.22	21.20			
40	QPSK	1	214	21.25	21.07	21.07			
40	QPSK	108	0	20.65	20.83	20.80	22.5	0.5	
40	QPSK	108	54	21.11	21.20	21.07			
40	QPSK	108	108	20.78	21.00	20.75			
40	QPSK	216	0	20.68	20.70	20.78			
40	16QAM	1	1	20.57	20.69	20.68	22.5	0.5	
40	64QAM	1	1	18.74	18.97	18.85			
40	256QAM	1	1	17.42	17.71	17.44			
Channel				350000	349000	353000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1728	1745	1765			
30	PI2 BPSK	1	1	21.15	21.20	21.02			
Channel				344500	349000	353500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	21.08	21.14	21.08			
Channel				344000	349000	354000	Tune-up limit (dbm)	0.0	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	21.14	21.16	21.01			
Channel				343500	349000	354500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	21.12	21.22	21.03			
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	21.12	21.25	21.04			
Channel				342500	349000	355500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	21.11	21.19	21.10			



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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				518004	519000	519998	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	22.48	22.54	22.50			
40	PI2 BPSK	1	53	22.44	22.47	22.42	24.0	0.0	
40	PI2 BPSK	1	104	22.39	22.44	22.35			
40	PI2 BPSK	50	0	22.43	22.50	22.42			
40	PI2 BPSK	50	28	22.43	22.51	22.43	24.0	0.0	
40	PI2 BPSK	50	58	22.39	22.48	22.42			
40	PI2 BPSK	100	0	22.43	22.48	22.40			
40	QPSK	1	1	22.45	22.52	22.43	24.0	0.0	
40	QPSK	1	53	22.29	22.35	22.31			
40	QPSK	1	104	22.21	22.30	22.20			
40	QPSK	50	0	21.84	21.87	21.78	24.0	0.0	
40	QPSK	50	28	22.24	22.30	22.20			
40	QPSK	50	58	22.35	22.45	22.38			
40	QPSK	100	0	22.18	22.24	22.21	24.0	0.0	
40	19QAM	1	1	22.39	22.49	22.44	24.0	0.0	
40	64QAM	1	1	20.82	20.86	20.81	23.0	0.0	
40	256QAM	1	1	19.01	19.09	19.06	21.0	3.0	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	PI2 BPSK	1	1	22.45	22.50	22.43	24.0	0.0	
Channel				515004	518000	521498	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)	
25	PI2 BPSK	1	1	22.47	22.52	22.43	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	PI2 BPSK	1	1	22.47	22.52	22.45	24.0	0.0	
Channel				516502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	PI2 BPSK	1	1	22.43	22.49	22.48	24.0	0.0	
Channel				515004	518000	522998	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	PI2 BPSK	1	1	22.45	22.49	22.45	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				518004	519000	519998	21.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	20.64	20.69	20.61			
40	PI2 BPSK	1	53	20.30	20.39	20.39	21.5	0.0	
40	PI2 BPSK	1	104	20.38	20.48	20.33			
40	PI2 BPSK	50	0	20.45	20.52	20.42			
40	PI2 BPSK	50	28	20.60	20.63	20.48	21.5	0.0	
40	PI2 BPSK	50	58	20.37	20.44	20.50			
40	PI2 BPSK	100	0	20.54	20.62	20.54			
40	QPSK	1	1	20.41	20.40	20.34	21.5	0.0	
40	QPSK	1	53	20.45	20.46	20.48			
40	QPSK	1	104	20.40	20.38	20.30			
40	QPSK	50	0	20.47	20.51	20.44	21.5	0.0	
40	QPSK	50	28	20.54	20.58	20.60			
40	QPSK	50	58	20.43	20.51	20.48			
40	QPSK	100	0	20.47	20.49	20.45	21.5	0.0	
40	19QAM	1	1	20.10	20.27	20.19	21.5	0.0	
40	64QAM	1	1	20.16	20.28	20.34	21.5	0.0	
40	256QAM	1	1	19.00	19.02	19.02	21.0	0.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	PI2 BPSK	1	1	20.53	20.67	20.53	21.5	0.0	
Channel				516004	518000	521498	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)	
25	PI2 BPSK	1	1	20.55	20.66	20.58	21.5	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	PI2 BPSK	1	1	20.61	20.61	20.52	21.5	0.0	
Channel				516502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	PI2 BPSK	1	1	20.54	20.58	20.53	21.5	0.0	
Channel				515004	518000	522998	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	PI2 BPSK	1	1	20.59	20.57	20.51	21.5	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				518004	519000	519998	20.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	18.63	18.72	18.56			
40	PI2 BPSK	1	53	18.31	18.35	18.14	20.0	0.0	
40	PI2 BPSK	1	104	18.57	18.59	18.46			
40	PI2 BPSK	50	0	18.53	18.59	18.43			
40	PI2 BPSK	50	28	18.62	18.70	18.53	20.0	0.0	
40	PI2 BPSK	50	58	18.63	18.68	18.47			
40	PI2 BPSK	100	0	18.64	18.68	18.50			
40	QPSK	1	1	18.59	18.63	18.46	20.0	0.0	
40	QPSK	1	53	18.59	18.67	18.53			
40	QPSK	1	104	18.49	18.57	18.40			
40	QPSK	50	0	18.62	18.66	18.53	20.0	0.0	
40	QPSK	50	28	18.63	18.71	18.54			
40	QPSK	50	58	18.65	18.70	18.51			
40	QPSK	100	0	18.64	18.68	18.49	20.0	0.0	
40	19QAM	1	1	18.33	18.36	18.20	20.0	0.0	
40	64QAM	1	1	18.48	18.50	18.32	20.0	0.0	
40	256QAM	1	1	18.47	18.55	18.41	20.0	0.0	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	PI2 BPSK	1	1	18.53	18.63	18.48	20.0	0.0	
Channel				516004	518000	521498	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)	
25	PI2 BPSK	1	1	18.51	18.59	18.50	20.0	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	PI2 BPSK	1	1	18.58	18.65	18.43	20.0	0.0	
Channel				516502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	PI2 BPSK	1	1	18.54	18.70	18.47	20.0	0.0	
Channel				515004	518000	522998	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	PI2 BPSK	1	1	18.53	18.59	18.44	20.0	0.0	

n38_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				519004	519600	519696			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	19.96	20.06	20.02	21.5	0.0	
40	PI2 BPSK	1	53	19.70	19.89	19.88			
40	PI2 BPSK	1	104	19.70	19.82	19.87			
40	PI2 BPSK	50	0	19.84	20.01	19.99	21.5	0.0	
40	PI2 BPSK	50	26	19.89	20.04	20.00	21.5	0.0	
40	PI2 BPSK	50	56	19.83	19.95	19.98	21.5	0.0	
40	PI2 BPSK	100	0	19.79	19.89	19.84			
40	QPSK	1	1	19.80	19.81	19.88			
40	QPSK	1	53	19.76	20.01	19.83	21.5	0.0	
40	QPSK	1	104	19.69	19.85	19.78			
40	QPSK	50	0	19.65	19.83	19.79			
40	QPSK	50	26	19.76	20.04	19.91	21.5	0.0	
40	QPSK	50	56	19.82	20.00	19.90			
40	QPSK	100	0	19.85	20.01	19.87			
40	16QAM	1	1	19.49	19.65	19.65	21.5	0.0	
40	64QAM	1	1	19.63	19.81	19.76	21.5	0.0	
40	256QAM	1	1	19.82	19.93	19.93	20.5	1.0	
Channel				517002	519000	520898	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	PI2 BPSK	1	1	19.89	20.02	19.99	21.5	0.0	
Channel				515504	519500	521496	Tune-up limit	MPR	
Frequency (MHz)				2582.52 <td>2595</td> <td>2607.48</td> <td>(dBm)</td> <td colspan="2">(dB)</td>	2595	2607.48	(dBm)	(dB)	
25	PI2 BPSK	1	1	19.90	20.02	19.97	21.5	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2590	2595	2600	(dBm)	(dB)	
20	PI2 BPSK	1	1	19.91	20.04	19.97	21.5	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51 <td>2595</td> <td>2612.49</td> <td>(dBm)</td> <td colspan="2">(dB)</td>	2595	2612.49	(dBm)	(dB)	
15	PI2 BPSK	1	1	19.89	20.03	20.00	21.5	0.0	
Channel				515004	519000	522998	Tune-up limit	MPR	
Frequency (MHz)				2575.02 <td>2595</td> <td>2614.98</td> <td>(dBm)</td> <td colspan="2">(dB)</td>	2595	2614.98	(dBm)	(dB)	
10	PI2 BPSK	1	1	19.94	20.00	19.97	21.5	0.0	

n41_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				509202	518598	529000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	22.07	22.13	22.06	23.5	0.0	
100	PI2 BPSK	1	137	21.85	21.86	21.82			
100	PI2 BPSK	1	271	22.01	22.05	22.05			
100	PI2 BPSK	135	0	21.88	22.09	22.01	23.5	0.0	
100	PI2 BPSK	135	69	21.95	22.11	22.05	23.5	0.0	
100	PI2 BPSK	135	138	21.83	22.01	22.00	23.5	0.0	
100	PI2 BPSK	270	0	22.02	22.19	22.05			
100	QPSK	1	1	21.99	21.71	21.84			
100	QPSK	1	137	21.92	21.98	21.94	23.5	0.0	
100	QPSK	1	271	21.88	22.03	21.95			
100	QPSK	135	0	21.93	22.01	21.88			
100	QPSK	135	69	21.91	22.03	22.00	23.5	0.0	
100	QPSK	135	138	22.02	22.08	22.02			
100	QPSK	270	0	21.83	21.94	21.95			
100	16QAM	1	1	22.06	21.95	22.05	23.5	0.0	
100	64QAM	1	1	21.20	21.18	21.16	23.0	0.5	
100	256QAM	1	1	19.13	19.26	19.25	21.0	2.5	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	PI2 BPSK	1	1	22.06	22.07	22.04	23.5	0.0	
Channel				507204	518598	529098	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2640.99	(dBm)	(dB)	
80	PI2 BPSK	1	1	22.00	22.12	22.05	23.5	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2631.01	2692.99	2655	(dBm)	(dB)	
70	PI2 BPSK	1	1	22.00	22.12	22.03	23.5	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	PI2 BPSK	1	1	22.00	22.07	22.03	23.5	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	PI2 BPSK	1	1	22.00	22.07	21.99	23.5	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2616.01	2692.99	2670	(dBm)	(dB)	
40	PI2 BPSK	1	1	22.02	22.07	22.00	23.5	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	PI2 BPSK	1	1	22.06	22.06	22.03	23.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	PI2 BPSK	1	1	22.00	22.08	22.00	23.5	0.0	
Channel				500700	518598	536996	Tune-up limit	MPR	
Frequency (MHz)				2603.5	2692.99	2682.48	(dBm)	(dB)	
15	PI2 BPSK	1	1	22.06	22.12	22.00	23.5	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	PI2 BPSK	1	1	22.04	22.10	22.04	23.5	0.0	

n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	529000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	20.03	20.11	19.99	21.0	0.0	
100	PI2 BPSK	1	137	19.81	19.88	19.74			
100	PI2 BPSK	1	271	19.84	19.71	19.54			
100	PI2 BPSK	135	0	19.91	19.99	19.84	21.0	0.0	
100	PI2 BPSK	135	69	19.93	20.03	19.85	21.0	0.0	
100	PI2 BPSK	135	138	19.91	19.93	19.73	21.0	0.0	
100	PI2 BPSK	270	0	19.94	20.01	19.87			
100	QPSK	1	1	19.84	19.64	19.44			
100	QPSK	1	137	19.85	19.87	19.87	21.0	0.0	
100	QPSK	1	271	19.68	19.68	19.48			
100	QPSK	135	0	19.90	20.00	19.87			
100	QPSK	135	69	19.96	20.05	19.94	21.0	0.0	
100	QPSK	135	138	19.94	19.96	19.79			
100	QPSK	270	0	19.82	19.93	19.81			
100	16QAM	1	1	19.87	19.91	19.74	21.0	0.0	
100	64QAM	1	1	19.89	19.95	19.82	21.0	0.0	
100	256QAM	1	1	19.94	20.00	19.84	21.0	0.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	PI2 BPSK	1	1	20.01	20.07	19.95	21.0	0.0	
Channel				507204	518598	529098	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2640.99	(dBm)	(dB)	
80	PI2 BPSK	1	1	20.01	20.04	19.98	21.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2631.01	2692.99	2644	(dBm)	(dB)	
70	PI2 BPSK	1	1	20.00	20.08	19.92	21.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	PI2 BPSK	1	1	20.02	20.10	19.96	21.0	0.0	
Channel				504204	518598	532098	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	PI2 BPSK	1	1	20.00	20.08	19.98	21.0	0.0	
Channel				503202	518598	532400	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	PI2 BPSK	1	1	20.00	20.10	19.94	21.0	0.0	
Channel				502200	518598	532896	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	PI2 BPSK	1	1	20.01	20.05	19.97	21.0	0.0	
Channel				501204	518598	533598	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	PI2 BPSK	1	1	20.00	20.10	19.96	21.0	0.0	
Channel				500200	518598	533896	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	PI2 BPSK	1	1	20.02	20.04	19.95	21.0	0.0	
Channel				500202	518598	533900	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	PI2 BPSK	1	1	19.97	20.09	19.94	21.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	18.75	18.80	18.73			
100	PI2 BPSK	1	137	18.49	18.56	18.49	20.0	0.0	
100	PI2 BPSK	1	271	18.10	18.16	18.08			
100	PI2 BPSK	135	0	18.56	18.61	18.56	20.0	0.0	
100	PI2 BPSK	135	69	18.65	18.74	18.67	20.0	0.0	
100	PI2 BPSK	135	138	18.67	18.70	18.67	20.0	0.0	
100	PI2 BPSK	270	0	18.59	18.66	18.63			
100	QPSK	1	1	18.28	18.32	18.24			
100	QPSK	1	137	18.56	18.60	18.55	20.0	0.0	
100	QPSK	1	271	18.37	18.46	18.40			
100	QPSK	135	0	18.64	18.66	18.62	20.0	0.0	
100	QPSK	135	69	18.69	18.71	18.67			
100	QPSK	135	138	18.60	18.64	18.53			
100	QPSK	270	0	18.62	18.66	18.58	20.0	0.0	
100	16QAM	1	1	18.61	18.67	18.61	20.0	0.0	
100	64QAM	1	1	18.61	18.66	18.57	20.0	0.0	
100	256QAM	1	1	18.50	18.61	18.50	20.0	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	18.71	18.75	18.67	20.0	0.0	
Channel				507204	518598	529994	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	18.74	18.73	18.68	20.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	18.72	18.78	18.69	20.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	18.70	18.70	18.71	20.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	18.72	18.79	18.70	20.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	18.71	18.78	18.68	20.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	18.68	18.74	18.70	20.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	18.70	18.79	18.70	20.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48			
15	PI2 BPSK	1	1	18.69	18.79	18.67	20.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	18.68	18.74	18.67	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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	19.93	20.02	19.87			
100	PI2 BPSK	1	137	19.68	19.87	19.76	21.5	0.0	
100	PI2 BPSK	1	271	19.46	19.59	19.49			
100	PI2 BPSK	135	0	19.63	19.90	19.72	21.5	0.0	
100	PI2 BPSK	135	69	19.76	19.96	19.89	21.5	0.0	
100	PI2 BPSK	135	138	19.66	19.89	19.73	21.5	0.0	
100	PI2 BPSK	270	0	19.75	19.91	19.79			
100	QPSK	1	1	19.53	19.69	19.41			
100	QPSK	1	137	19.71	19.86	19.70	21.5	0.0	
100	QPSK	1	271	19.63	19.80	19.58			
100	QPSK	135	0	19.67	19.83	19.57	21.5	0.0	
100	QPSK	135	69	19.87	19.92	19.82			
100	QPSK	135	138	19.71	19.94	19.82			
100	QPSK	270	0	19.82	19.98	19.83	21.5	0.0	
100	16QAM	1	1	19.76	19.88	19.84	21.5	0.0	
100	64QAM	1	1	19.89	20.01	19.76	21.5	0.0	
100	256QAM	1	1	18.82	19.00	18.85	20.5	1.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	19.83	19.96	19.83	21.5	0.0	
Channel				507204	518598	529994	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	19.90	19.95	19.84	21.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	19.90	19.97	19.84	21.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	19.87	20.00	19.86	21.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	19.89	19.98	19.82	21.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	19.87	19.99	19.86	21.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	19.90	19.96	19.80	21.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	19.86	19.95	19.85	21.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48			
15	PI2 BPSK	1	1	19.86	19.99	19.83	21.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	19.87	20.00	19.83	21.5	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				633000	633334	633501			
Frequency (MHz)					17.01				
100	PI2 BPSK	1	1		17.01				
100	PI2 BPSK	1	137		16.91		18.5	0.0	
100	PI2 BPSK	1	271		16.88				
100	PI2 BPSK	135	0		16.93		18.5	0.0	
100	PI2 BPSK	135	69		16.96		18.5	0.0	
100	PI2 BPSK	135	138		16.85		18.5	0.0	
100	PI2 BPSK	270	0		16.92				
100	QPSK	1	1		16.85				
100	QPSK	1	137		16.93		18.5	0.0	
100	QPSK	1	271		16.61				
100	QPSK	135	0		16.84				
100	QPSK	135	69		16.93		18.5	0.0	
100	QPSK	135	138		16.84				
100	QPSK	270	0		16.92		18.5	0.0	
100	16QAM	1	1		16.48		18.5	0.0	
100	64QAM	1	1		16.58		18.5	0.0	
100	256QAM	1	1		15.57		17.5	1.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI2 BPSK	1	1	16.90	16.92	16.82	18.5	0.0	
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1	16.84	16.90	16.84	18.5	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1	16.89	16.90	16.87	18.5	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3478.01	3500.01	3519.99			
60	PI2 BPSK	1	1	16.86	16.88	16.89	18.5	0.0	
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1	16.91	16.88	16.85	18.5	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI2 BPSK	1	1	16.89	16.92	16.91	18.5	0.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.00	3500.01	3534.99			
30	PI2 BPSK	1	1	16.90	16.89	16.90	18.5	0.0	
Channel				630666	633334	635932	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1	16.90	16.88	16.88	18.5	0.0	
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1	16.83	16.88	16.87	18.5	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1	16.85	16.90	16.89	18.5	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1	16.91	16.95	16.89	18.5	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	650000	650000	18.5	0.0
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	17.04	17.13	17.07		
100	Pi2 BPSK	1	137	16.95	16.90	16.83		
100	Pi2 BPSK	1	271	16.53	16.63	16.52	18.5	0.0
100	Pi2 BPSK	135	0	16.96	17.01	16.94		
100	Pi2 BPSK	135	69	17.06	17.10	17.06		
100	Pi2 BPSK	135	138	16.84	16.93	16.90		
100	Pi2 BPSK	270	0	16.94	17.03	16.95	18.5	0.0
100	QPSK	1	1	16.83	16.86	16.76		
100	QPSK	1	137	16.84	16.95	16.88		
100	QPSK	1	271	16.50	16.61	16.56		
100	QPSK	135	0	16.99	17.05	17.03	18.5	0.0
100	QPSK	135	69	16.91	17.02	16.93		
100	QPSK	135	138	16.86	16.92	16.88		
100	QPSK	270	0	16.96	17.05	17.02		
100	16QAM	1	1	16.54	16.64	16.55	18.5	0.0
100	64QAM	1	1	16.60	16.70	16.65		
100	256QAM	1	1	15.61	15.72	15.68		
Channel				649668	650000	662332	18.5	MPR
Frequency (MHz)				3745.02	3840	3934.98		
90	Pi2 BPSK	1	1	17.03	17.08	17.03		
Channel				633334	650000	662666	18.5	MPR
Frequency (MHz)				3740.01	3840	3939.99		
80	Pi2 BPSK	1	1	16.98	17.06	17.00		
Channel				649000	650000	663000	18.5	MPR
Frequency (MHz)				3735	3840	3945		
70	Pi2 BPSK	1	1	17.03	17.08	17.05		
Channel				648668	650000	663332	18.5	MPR
Frequency (MHz)				3730.02	3840	3949.98		
60	Pi2 BPSK	1	1	16.94	17.08	17.06		
Channel				648334	650000	663666	18.5	MPR
Frequency (MHz)				3725.01	3840	3954.99		
50	Pi2 BPSK	1	1	17.03	17.10	17.06		
Channel				648000	650000	664000	18.5	MPR
Frequency (MHz)				3720	3840	3960		
40	Pi2 BPSK	1	1	16.98	17.08	17.00		
Channel				647668	650000	664332	18.5	MPR
Frequency (MHz)				3715.02	3840.00	3964.98		
30	Pi2 BPSK	1	1	17.00	17.11	17.04		
Channel				647334	650000	664666	18.5	MPR
Frequency (MHz)				3710.01	3840	3969.99		
25	Pi2 BPSK	1	1	17.00	17.08	17.05		
Channel				647000	650000	665000	18.5	MPR
Frequency (MHz)				3712.5	3840.00	3967.50		
20	Pi2 BPSK	1	1	17.03	17.10	17.04		
Channel				647168	650000	664832	18.5	MPR
Frequency (MHz)				3707.52	3840	3972.48		
15	Pi2 BPSK	1	1	17.02	17.08	17.01		
Channel				647000	650000	665000	18.5	MPR
Frequency (MHz)				3705	3840	3975		
10	Pi2 BPSK	1	1	17.00	17.11	17.02		

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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				633334	633334	3500.01	18.0	0.0
Frequency (MHz)						3500.01		
100	Pi2 BPSK	1	1		16.43			
100	Pi2 BPSK	1	137		16.35			
100	Pi2 BPSK	1	271		16.16		18.0	0.0
100	Pi2 BPSK	135	0		16.23			
100	Pi2 BPSK	135	69		16.39			
100	Pi2 BPSK	135	138		16.35			
100	Pi2 BPSK	270	0		16.36		18.0	0.0
100	QPSK	1	1		16.06			
100	QPSK	1	137		16.33			
100	QPSK	1	271		16.14			
100	QPSK	135	0		16.22		18.0	0.0
100	QPSK	135	69		16.35			
100	QPSK	135	138		16.35			
100	QPSK	270	0		16.36			
100	16QAM	1	1		16.32		18.0	0.0
100	64QAM	1	1		16.21			
100	256QAM	1	1		16.32			
Channel				633000	633334	639666	18.0	MPR
Frequency (MHz)				3495	3500.01	3504.99		
90	Pi2 BPSK	1	1		16.26			
Channel				632668	633334	635000	18.0	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	Pi2 BPSK	1	1		16.30			
Channel				632334	633334	634332	18.0	MPR
Frequency (MHz)				3485.01	3500.01	3514.98		
70	Pi2 BPSK	1	1		16.29			
Channel				632000	633334	634666	18.0	MPR
Frequency (MHz)				3480	3500.01	3519.99		
60	Pi2 BPSK	1	1		16.26			
Channel				631668	633334	635000	18.0	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	Pi2 BPSK	1	1		16.27			
Channel				631334	633334	635332	18.0	MPR
Frequency (MHz)				3470.01	3500.01	3529.98		
40	Pi2 BPSK	1	1		16.33			
Channel				631000	633334	635666	18.0	MPR
Frequency (MHz)				3465	3500.01	3534.99		
30	Pi2 BPSK	1	1		16.28			
Channel				630668	633334	636000	18.0	MPR
Frequency (MHz)				3460.02	3500.01	3540		
25	Pi2 BPSK	1	1		16.31			
Channel				630334	633334	636332	18.0	MPR
Frequency (MHz)				3455.01	3500.01	3547.48		
20	Pi2 BPSK	1	1		16.30			
Channel				630000	633334	636666	18.0	MPR
Frequency (MHz)				3450	3500.01	3542.49		
15	Pi2 BPSK	1	1		16.35			
Channel				630334	633334	636332	18.0	MPR
Frequency (MHz)				3455.01	3500.01	3544.98		
10	Pi2 BPSK	1	1		16.25			

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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	650000	650000	18.0	0.0
Frequency (MHz)				37500	38400	39300		
100	Pi2 BPSK	1	1	16.96	16.62	16.54		
100	Pi2 BPSK	1	137	16.51	16.51	16.46		
100	Pi2 BPSK	1	271	16.33	16.36	16.34	18.0	0.0
100	Pi2 BPSK	135	0	16.47	16.56	16.51		
100	Pi2 BPSK	135	69	16.55	16.57	16.55		
100	Pi2 BPSK	135	138	16.52	16.55	16.50		
100	Pi2 BPSK	270	0	16.46	16.53	16.44	18.0	0.0
100	QPSK	1	1	16.27	16.36	16.26		
100	QPSK	1	137	16.47	16.55	16.53		
100	QPSK	1	271	16.29	16.37	16.27		
100	QPSK	135	0	16.43	16.54	16.47	18.0	0.0
100	QPSK	135	69	16.55	16.59	16.52		
100	QPSK	135	138	16.42	16.53	16.48		
100	QPSK	270	0	16.49	16.55	16.51		
100	16QAM	1	1	15.67	16.06	16.00	18.0	0.0
100	64QAM	1	1	16.06	16.11	16.06		
100	256QAM	1	1	16.08	16.10	15.99		
Channel				649668	650000	662332	18.0	MPR
Frequency (MHz)				3745.02	3840	3934.98		
90	Pi2 BPSK	1	1	16.54	16.61	16.53		
Channel				649334	650000	662666	18.0	MPR
Frequency (MHz)				3740.01	3840	3939.99		
80	Pi2 BPSK	1	1	16.50	16.56	16.52		
Channel				649000	650000	663000	18.0	MPR
Frequency (MHz)				3735	3840	3945		
70	Pi2 BPSK	1	1	16.55	16.60	16.49		
Channel				648666	650000	663334	18.0	MPR
Frequency (MHz)				3730.02	3840	3949.98		
60	Pi2 BPSK	1	1	16.54	16.61	16.51		
Channel				648334	650000	663666	18.0	MPR
Frequency (MHz)				3725.01	3840	3954.99		
50	Pi2 BPSK	1	1	16.52	16.60	16.47		
Channel				648000	650000	664000	18.0	MPR
Frequency (MHz)				3720	3840	3960		
40	Pi2 BPSK	1	1	16.52	16.60	16.52		
Channel				647668	650000	664332	18.0	MPR
Frequency (MHz)				3715.02	3840.00	3964.98		
30	Pi2 BPSK	1	1	16.51	16.61	16.51		
Channel				647330	650000	664660	18.0	0.0
Frequency (MHz)				3710.00	3840.00	3969.99		
25	Pi2 BPSK	1	1	16.54	16.58	16.52		
Channel				647000	650000	665000	18.0	MPR
Frequency (MHz)				3705.00	3840	3975.00		
20	Pi2 BPSK	1	1	16.51	16.58	16.49		
Channel				647168	650000	665332	18.0	MPR
Frequency (MHz)				3707.52	3840	3972.48		
15	Pi2 BPSK	1	1	16.49	16.58	16.47		
Channel				647000	650000	665000	18.0	MPR
Frequency (MHz)				3705	3840	3975		
10	Pi2 BPSK	1	1	16.53	16.58	16.49		

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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				633334		3500.01	17.5	0.0	
Frequency (MHz)									
100	PI2 BPSK	1	1		16.01				
100	PI2 BPSK	1	137		15.88				
100	PI2 BPSK	1	271		15.64				
100	PI2 BPSK	135	0		15.80				
100	PI2 BPSK	135	69		15.93				
100	PI2 BPSK	135	138		15.89				
100	PI2 BPSK	270	0		15.91				
100	QPSK	1	1		15.92				
100	QPSK	1	137		15.85		17.5	0.0	
100	QPSK	1	271		15.55				
100	QPSK	135	0		15.87				
100	QPSK	135	69		15.93				
100	QPSK	135	138		15.83				
100	QPSK	270	0		15.86				
100	16QAM	1	1		15.71				
100	64QAM	1	1		15.80				
100	256QAM	1	1		15.51				
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	PI2 BPSK	1	1		15.92	15.98	15.97	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	PI2 BPSK	1	1		15.89	15.97	15.89	17.5	0.0
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	PI2 BPSK	1	1		15.83	15.97	15.89	17.5	0.0
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	PI2 BPSK	1	1		15.90	15.96	15.91	17.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	PI2 BPSK	1	1		15.89	15.97	15.87	17.5	0.0
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	PI2 BPSK	1	1		15.85	15.91	15.82	17.5	0.0
Channel				631000	633334	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)	
30	PI2 BPSK	1	1		15.86	15.90	15.81	17.5	0.0
Channel				630834	633334	635832	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)	(dB)	
25	PI2 BPSK	1	1		15.86	15.90	15.86	17.5	0.0
Channel				630968	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	PI2 BPSK	1	1		15.86	15.91	15.86	17.5	0.0
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	PI2 BPSK	1	1		15.84	15.93	15.88	17.5	0.0
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	PI2 BPSK	1	1		15.85	15.96	15.84	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	3640	650000		
Frequency (MHz)				3750	3640	3930		
100	PI2 BPSK	1	1	15.91	16.05	15.90	17.5	0.0
100	PI2 BPSK	1	137	15.85	16.02	15.82		
100	PI2 BPSK	1	271	15.56	15.74	15.56		
100	PI2 BPSK	135	0	15.77	15.98	15.82		
100	PI2 BPSK	135	69	15.88	16.02	15.87		
100	PI2 BPSK	135	138	15.75	15.85	15.76		
100	PI2 BPSK	270	0	15.83	16.00	15.83		
100	QPSK	1	1	15.52	15.71	15.57		
100	QPSK	1	137	15.81	16.00	15.80		
100	QPSK	1	271	15.59	15.73	15.57		
100	QPSK	135	0	15.83	15.82	15.68		
100	QPSK	135	69	15.87	16.01	15.83		
100	QPSK	135	138	15.79	15.96	15.77		
100	QPSK	270	0	15.77	15.95	15.74		
100	16QAM	1	1	15.39	15.52	15.33		
100	64QAM	1	1	15.43	15.56	15.44		
100	256QAM	1	1	15.56	15.58	15.57		
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	15.79	15.95	15.84	17.5	0.0
Channel				649334	650000	650366	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3930.99	(dBm)	(dB)
80	PI2 BPSK	1	1	15.85	15.96	15.77	17.5	0.0
Channel				649000	650000	650300	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI2 BPSK	1	1	15.82	15.96	15.81	17.5	0.0
Channel				648668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3940.98	(dBm)	(dB)
60	PI2 BPSK	1	1	15.84	15.95	15.86	17.5	0.0
Channel				648334	650000	650366	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	15.82	16.01	15.88	17.5	0.0
Channel				648000	650000	650400	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI2 BPSK	1	1	15.86	15.99	15.86	17.5	0.0
Channel				647668	650000	650432	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840.00	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	15.84	15.98	15.88	17.5	0.0
Channel				647300	650000	650500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3840.00	3967.50	(dBm)	(dB)
25	PI2 BPSK	1	1	15.84	15.93	15.81	17.5	0.0
Channel				647334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	15.79	16.03	15.78	17.5	0.0
Channel				647168	650000	650832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	15.78	16.02	15.87	17.5	0.0
Channel				647000	650000	650900	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	15.81	15.96	15.81	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								
Frequency (MHz)					633334		3500.01	
100	PI2 BPSK	1	1		16.95		18.0	0.0
100	PI2 BPSK	1	137		16.91			
100	PI2 BPSK	1	271		16.56			
100	PI2 BPSK	135	0		16.88			
100	PI2 BPSK	135	69		16.92			
100	PI2 BPSK	135	138		16.80			
100	PI2 BPSK	270	0		16.85			
100	QPSK	1	1		16.82			
100	QPSK	1	137		16.86			
100	QPSK	1	271		16.53			
100	QPSK	135	0		16.80			
100	QPSK	135	69		16.89			
100	QPSK	135	138		16.82			
100	QPSK	270	0		16.84			
100	16QAM	1	1		16.81			
100	64QAM	1	1		16.80			
100	256QAM	1	1		16.82			
Channel				633000	633334	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)
90	PI2 BPSK	1	1	16.79	16.90	16.84	18.0	0.0
Channel				632968	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	PI2 BPSK	1	1	16.83	16.84	16.83	18.0	0.0
Channel				632334	633334	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)
70	PI2 BPSK	1	1	16.83	16.85	16.85	18.0	0.0
Channel				632000	633334	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)
60	PI2 BPSK	1	1	16.81	16.91	16.82	18.0	0.0
Channel				631968	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	PI2 BPSK	1	1	16.78	16.89	16.78	18.0	0.0
Channel				631334	633334	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)
40	PI2 BPSK	1	1	16.80	16.88	16.83	18.0	0.0
Channel				631000	633334	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)
30	PI2 BPSK	1	1	16.87	16.87	16.75	18.0	0.0
Channel				630834	633334	635832	Tune-up limit	MPR
Frequency (MHz)				3460.01	3500.01	3537.48	(dBm)	(dB)
25	PI2 BPSK	1	1	16.77	16.88	16.79	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3450.02	3500.01	3540	(dBm)	(dB)
20	PI2 BPSK	1	1	16.84	16.50	16.84	18.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)
15	PI2 BPSK	1	1	16.87	16.63	16.75	18.0	0.0
Channel				630332	633334	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)
10	PI2 BPSK	1	1	16.87	16.91	16.84	18.0	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				650000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		17.15		18.0	0.0
100	PI2 BPSK	1	137		17.01			
100	PI2 BPSK	1	271		16.92			
100	PI2 BPSK	135	0		16.91		18.0	0.0
100	PI2 BPSK	135	69		17.11		18.0	0.0
100	PI2 BPSK	135	138		17.01		18.0	0.0
100	PI2 BPSK	270	0		17.05			
100	QPSK	1	1		16.71		18.0	0.0
100	QPSK	1	137		16.98			
100	QPSK	1	271		16.81			
100	QPSK	135	0		16.90		18.0	0.0
100	QPSK	135	69		17.02			
100	QPSK	135	138		17.06			
100	QPSK	270	0		16.90		18.0	0.0
100	16QAM	1	1		16.95		18.0	0.0
100	64QAM	1	1		16.91		18.0	0.0
100	256QAM	1	1		16.83		18.0	0.0
Channel				649688	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	PI2 BPSK	1	1	16.99	17.08	17.00	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI2 BPSK	1	1	17.08	17.07	17.01	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	PI2 BPSK	1	1	17.04	17.09	17.04	18.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	PI2 BPSK	1	1	16.97	17.03	16.95	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI2 BPSK	1	1	17.07	17.12	17.02	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI2 BPSK	1	1	17.01	17.06	16.99	18.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	PI2 BPSK	1	1	17.02	17.02	17.03	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
25	PI2 BPSK	1	1	17.03	17.09	17.04	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.50	(dBm)	(dB)
20	PI2 BPSK	1	1	17.05	17.06	16.99	18.0	0.0
Channel				646788	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI2 BPSK	1	1	17.04	17.09	16.98	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI2 BPSK	1	1	17.02	17.11	17.04	18.0	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)
100	Channel			633334			18.0	0.0
	Frequency (MHz)			3500.01				
	PI2 BPSK	1	1		16.51		18.0	0.0
	PI2 BPSK	1	137		16.46			
	PI2 BPSK	1	271		16.21			
	PI2 BPSK	135	0		16.41		18.0	0.0
	PI2 BPSK	135	69		16.47		18.0	0.0
	PI2 BPSK	135	138		16.43		18.0	0.0
	PI2 BPSK	270	0		16.44			
	QPSK	1	1		16.24		18.0	0.0
QPSK	1	137		16.45				
QPSK	1	271		16.29				
QPSK	135	0		16.46		18.0	0.0	
QPSK	135	69		16.42				
QPSK	135	138		16.46				
QPSK	270	0		16.46		18.0	0.0	
16QAM	1	1		16.04		18.0	0.0	
64QAM	1	1		16.06		18.0	0.0	
256QAM	1	1		16.41		18.0	0.0	
90	Channel			633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3495	3500.01	3504.99	(dBm)	(dB)
80	Channel			632568	633334	634000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3490.02	3500.01	3510	(dBm)	(dB)
70	Channel			632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3485.01	3500.01	3514.99	(dBm)	(dB)
60	Channel			632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3480	3500.01	3519.99	(dBm)	(dB)
50	Channel			631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3475.02	3500.01	3525	(dBm)	(dB)
40	Channel			631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3470.01	3500.01	3529.99	(dBm)	(dB)
30	Channel			631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3465	3500.01	3534.99	(dBm)	(dB)
25	Channel			630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3460.02	3500.01	3540	(dBm)	(dB)
20	Channel			630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3455.01	3500.01	3537.48	(dBm)	(dB)
15	Channel			630000	633334	636666	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3457.5	3500.01	3542.49	(dBm)	(dB)
10	Channel			629334	633334	637000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3455.01	3500.01	3544.98	(dBm)	(dB)

Part27O 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				650000			18.0	0.0
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		16.70		18.0	0.0
100	PI2 BPSK	1	137		16.62			
100	PI2 BPSK	1	271		16.61			
100	PI2 BPSK	135	0		16.52		18.0	0.0
100	PI2 BPSK	135	69		16.52		18.0	0.0
100	PI2 BPSK	135	138		16.66		18.0	0.0
100	PI2 BPSK	270	0		16.63			
100	QPSK	1	1		16.31		18.0	0.0
100	QPSK	1	137		16.67			
100	QPSK	1	271		16.68			
100	QPSK	135	0		16.50		18.0	0.0
100	QPSK	135	69		16.66			
100	QPSK	135	138		16.60			
100	QPSK	270	0		16.60		18.0	0.0
100	16QAM	1	1		16.07		18.0	0.0
100	64QAM	1	1		16.16		18.0	0.0
100	256QAM	1	1		16.62		18.0	0.0
Channel				649688	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	PI2 BPSK	1	1	16.46	16.43	16.35	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI2 BPSK	1	1	16.47	16.51	16.41	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	PI2 BPSK	1	1	16.47	16.46	16.36	18.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	PI2 BPSK	1	1	16.39	16.42	16.35	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI2 BPSK	1	1	16.44	16.50	16.41	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI2 BPSK	1	1	16.44	16.48	16.37	18.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	PI2 BPSK	1	1	16.45	16.45	16.37	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	PI2 BPSK	1	1	16.49	16.45	16.35	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.50	3750	3792.48	(dBm)	(dB)
15	PI2 BPSK	1	1	16.45	16.44	16.40	18.0	0.0
Channel				646334	650000	653666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI2 BPSK	1	1	16.37	16.49	16.38	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				63333.4		65000			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		15.01		17.5	0.0	
100	PI2 BPSK	1	137		15.90				
100	PI2 BPSK	1	271		15.57				
100	PI2 BPSK	135	0		15.88				
100	PI2 BPSK	135	69		15.94		17.5	0.0	
100	PI2 BPSK	135	138		15.90		17.5	0.0	
100	PI2 BPSK	270	0		15.92				
100	QPSK	1	1		15.55		17.5	0.0	
100	QPSK	1	137		15.82				
100	QPSK	1	271		15.55				
100	QPSK	135	0		15.88				
100	QPSK	135	69		15.90		17.5	0.0	
100	QPSK	135	138		15.78				
100	QPSK	270	0		15.82		17.5	0.0	
100	16QAM	1	1		15.82		17.5	0.0	
100	64QAM	1	1		15.90		17.5	0.0	
100	256QAM	1	1		15.91		17.5	0.0	
Channel				633000	63333.4	633686	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	PI2 BPSK	1	1		15.88	15.92	15.88	17.5	0.0
Channel				632661	63333.4	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	PI2 BPSK	1	1		15.92	15.96	15.86	17.5	0.0
Channel				632334	63333.4	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	PI2 BPSK	1	1		15.92	15.93	15.91	17.5	0.0
Channel				632000	63333.4	634686	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	PI2 BPSK	1	1		15.92	15.94	15.83	17.5	0.0
Channel				631668	63333.4	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	PI2 BPSK	1	1		15.90	15.95	15.84	17.5	0.0
Channel				631334	63333.4	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	PI2 BPSK	1	1		15.88	15.90	15.86	17.5	0.0
Channel				631000	63333.4	635686	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)	
30	PI2 BPSK	1	1		15.91	15.95	15.90	17.5	0.0
Channel				630668	63333.4	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
25	PI2 BPSK	1	1		15.85	15.88	15.89	17.5	0.0
Channel				630334	63333.4	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
20	PI2 BPSK	1	1		15.92	15.90	15.86	17.5	0.0
Channel				630000	63333.4	636686	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	PI2 BPSK	1	1		15.88	15.91	15.84	17.5	0.0
Channel				629668	63333.4	637000	Tune-up limit	MPR	
Frequency (MHz)				3450.01	3500.01	3544.98	(dBm)	(dB)	
10	PI2 BPSK	1	1		15.83	15.95	15.83	17.5	0.0

Part27O 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		650000			
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		16.21		17.5	0.0	
100	PI2 BPSK	1	137		16.09				
100	PI2 BPSK	1	271		16.01				
100	PI2 BPSK	135	0		16.12				
100	PI2 BPSK	135	69		16.16		17.5	0.0	
100	PI2 BPSK	135	138		16.01		17.5	0.0	
100	PI2 BPSK	270	0		16.03				
100	QPSK	1	1		15.76		17.5	0.0	
100	QPSK	1	137		16.11				
100	QPSK	1	271		15.68				
100	QPSK	135	0		16.05				
100	QPSK	135	69		16.12		17.5	0.0	
100	QPSK	135	138		16.00				
100	QPSK	270	0		15.98		17.5	0.0	
100	16QAM	1	1		16.06		17.5	0.0	
100	64QAM	1	1		16.06		17.5	0.0	
100	256QAM	1	1		16.10		17.5	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	PI2 BPSK	1	1		16.09	16.17	16.00	17.5	0.0
Channel				649334	650000	650686	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	PI2 BPSK	1	1		16.09	16.15	16.09	17.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	PI2 BPSK	1	1		16.03	16.15	16.10	17.5	0.0
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	PI2 BPSK	1	1		16.11	16.10	16.01	17.5	0.0
Channel				648334	650000	651686	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	PI2 BPSK	1	1		16.08	16.14	16.04	17.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	PI2 BPSK	1	1		16.07	16.17	16.01	17.5	0.0
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)	
30	PI2 BPSK	1	1		16.12	16.11	16.10	17.5	0.0
Channel				647334	650000	652686	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750.00	3787.50	(dBm)	(dB)	
25	PI2 BPSK	1	1		16.11	16.08	16.07	17.5	0.0
Channel				647334	650000	652686	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	PI2 BPSK	1	1		16.03	16.09	16.05	17.5	0.0
Channel				647168	650000	652832	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	PI2 BPSK	1	1		16.06	16.17	16.08	17.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	PI2 BPSK	1	1		16.12	16.08	16.07	17.5	0.0



Reduced Power for DS13

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				167300			25.5	0.0
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	23.78				
25	PI2 BPSK	1	65	24.77				
25	PI2 BPSK	1	131	23.85				
25	PI2 BPSK	64	0	23.55			25.0	0.5
25	PI2 BPSK	64	32	24.69			25.5	0.0
25	PI2 BPSK	64	66	23.63			25.0	0.5
25	PI2 BPSK	128	0	23.11			25.0	0.5
25	QPSK	1	1	23.85			25.5	0.0
25	QPSK	1	65	24.59				
25	QPSK	1	131	23.82				
25	QPSK	64	0	23.52				
25	QPSK	64	32	24.58			25.5	0.0
25	QPSK	64	66	23.44			24.5	1.0
25	QPSK	128	0	23.65			24.5	1.0
25	16QAM	1	1	23.07			24.5	1.0
25	64QAM	1	1	21.27			23.0	2.5
25	256QAM	1	1	19.81			21.0	4.5
Channel				166800	167300	167800	Tune-up limit (dB)	MPR
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.62	24.75	24.58	25.5	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	24.52	24.63	24.52	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				829	836.5	844		
10	PI2 BPSK	1	1	24.57	24.62	24.48	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	24.51	24.66	24.65	25.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300			25.7	0.0
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	23.85				
25	PI2 BPSK	1	65	24.47				
25	PI2 BPSK	1	131	23.78				
25	PI2 BPSK	64	0	23.92			25.2	0.5
25	PI2 BPSK	64	32	24.44			25.7	0.0
25	PI2 BPSK	64	66	23.61			25.2	0.5
25	PI2 BPSK	128	0	23.83			25.2	0.5
25	QPSK	1	1	23.78			25.7	0.0
25	QPSK	1	65	24.36				
25	QPSK	1	131	23.71				
25	QPSK	64	0	23.44				
25	QPSK	64	32	24.35			25.7	0.0
25	QPSK	64	66	23.18			24.7	1.0
25	QPSK	128	0	23.35			24.7	1.0
25	16QAM	1	1	22.74			24.7	1.0
25	64QAM	1	1	21.23			23.2	2.5
25	256QAM	1	1	19.59			21.2	4.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.62	24.68	24.68	25.7	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	24.57	24.61	24.61	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	24.58	24.61	24.59	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	24.62	24.63	24.67	25.7	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				505000	507000	509000	25.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.48	23.53	23.47		
50	PI2 BPSK	1	135	23.36	23.30	23.33		
50	PI2 BPSK	1	268	23.39	23.43	23.21		
50	PI2 BPSK	135	0	23.32	23.30	23.27	24.5	0.5
50	PI2 BPSK	135	68	23.44	23.45	23.37	25.0	0.0
50	PI2 BPSK	135	135	23.43	23.40	23.27	24.5	0.5
50	PI2 BPSK	270	0	23.38	23.52	23.42	25.0	0.0
50	QPSK	1	1	23.02	23.15	23.07		
50	QPSK	1	135	23.25	23.43	23.21		
50	QPSK	1	268	23.32	23.41	23.24		
50	QPSK	135	0	22.81	22.95	22.83	24.0	1.0
50	QPSK	135	68	23.34	23.32	23.37	25.0	0.0
50	QPSK	135	135	22.81	23.08	22.91	24.0	1.0
50	QPSK	270	0	22.86	22.92	22.84	24.0	1.0
50	16QAM	1	1	22.00	22.07	22.11	24.0	1.0
50	64QAM	1	1	20.51	20.53	20.63	22.5	2.5
50	256QAM	1	1	18.53	18.59	18.59	20.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	23.17	23.42	23.08	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	23.04	23.31	23.05	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	23.13	23.33	23.15	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.10	23.44	23.09	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	23.08	23.42	23.08	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	23.06	23.40	23.13	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	23.09	23.37	23.05	25.0	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				505000	507000	509000	25.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PV2 BPSK	1	1	24.60	24.61	24.65		
50	PV2 BPSK	1	135	24.41	24.52	24.38		
50	PV2 BPSK	1	268	24.35	24.32	24.39	25.0	0.5
50	PV2 BPSK	135	0	24.05	24.04	23.94		
50	PV2 BPSK	135	68	24.44	24.51	24.35		
50	PV2 BPSK	135	135	23.89	23.89	23.86		
50	PV2 BPSK	270	0	23.50	23.04	23.96	25.0	0.5
50	QPSK	1	1	24.26	24.42	24.16		
50	QPSK	1	135	24.34	24.36	24.35		
50	QPSK	1	268	24.19	24.29	24.24		
50	QPSK	135	0	23.36	23.46	23.39	24.5	1.0
50	QPSK	135	68	24.42	24.59	24.49		
50	QPSK	135	135	24.16	24.18	24.11		
50	QPSK	270	0	23.26	23.41	23.39		
50	16QAM	1	1	22.81	22.78	22.73	24.5	1.0
50	64QAM	1	1	22.54	22.49	22.59		
50	256QAM	1	1	18.67	18.75	18.73		
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	PV2 BPSK	1	1	24.48	24.47	24.30	25.5	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	PV2 BPSK	1	1	24.58	24.47	24.27		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	PV2 BPSK	1	1	24.54	24.47	24.40	25.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2550		
20	PV2 BPSK	1	1	24.60	24.48	24.38		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	PV2 BPSK	1	1	24.52	24.48	24.33	25.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	PV2 BPSK	1	1	24.52	24.48	24.27		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	PV2 BPSK	1	1	24.52	24.54	24.32	25.5	0.0
Channel				500000	507000	514000		
Frequency (MHz)				2500	2535	2570		
Channel				500000	507000	514000		

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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				505000	507000	509000	24.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PV2 BPSK	1	1	23.05	23.17	23.04		
50	PV2 BPSK	1	135	23.05	22.89	22.95		
50	PV2 BPSK	1	268	22.89	22.91	22.85	24.0	0.5
50	PV2 BPSK	135	0	22.92	22.98	22.95		
50	PV2 BPSK	135	68	23.00	23.06	22.99		
50	PV2 BPSK	135	135	22.96	23.04	22.86		
50	PV2 BPSK	270	0	22.53	23.01	22.95	24.0	0.5
50	QPSK	1	1	22.72	22.91	22.90		
50	QPSK	1	135	22.74	22.90	22.78		
50	QPSK	1	268	22.73	22.90	22.78		
50	QPSK	135	0	22.87	23.07	22.87	23.5	1.0
50	QPSK	135	68	22.86	23.05	22.81		
50	QPSK	135	135	22.88	23.00	22.95		
50	QPSK	270	0	22.93	23.02	22.96		
50	16QAM	1	1	22.58	22.58	22.47	23.5	1.0
50	64QAM	1	1	21.04	21.31	21.11		
50	256QAM	1	1	19.50	19.93	19.81		
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	PV2 BPSK	1	1	22.45	23.00	22.84	24.5	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	PV2 BPSK	1	1	22.81	23.06	22.79		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	PV2 BPSK	1	1	22.88	23.05	22.80	24.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2550		
20	PV2 BPSK	1	1	22.43	22.99	22.77		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	PV2 BPSK	1	1	22.80	23.04	22.75	24.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	PV2 BPSK	1	1	22.93	22.95	22.87		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	PV2 BPSK	1	1	22.86	22.98	22.87	24.5	0.0
Channel				500000	507000	514000		
Frequency (MHz)				2500	2535	2570		
Channel				500000	507000	514000		

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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				505000	507000	509000	24.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PV2 BPSK	1	1	22.79	22.89	22.72		
50	PV2 BPSK	1	135	22.59	22.71	22.60		
50	PV2 BPSK	1	268	22.49	22.66	22.59	24.0	0.5
50	PV2 BPSK	135	0	22.06	22.32	22.21		
50	PV2 BPSK	135	68	22.62	22.77	22.65		
50	PV2 BPSK	135	135	22.23	22.96	22.15		
50	PV2 BPSK	270	0	22.46	22.57	22.49	24.0	0.5
50	QPSK	1	1	22.10	22.30	22.22		
50	QPSK	1	135	22.44	22.50	22.59		
50	QPSK	1	268	22.60	22.76	22.67		
50	QPSK	135	0	21.41	21.67	21.57	23.5	1.0
50	QPSK	135	68	22.43	22.63	22.62		
50	QPSK	135	135	21.58	21.81	21.59		
50	QPSK	270	0	21.49	21.73	21.64		
50	16QAM	1	1	20.80	21.07	21.00	23.5	1.0
50	64QAM	1	1	19.53	19.67	19.55		
50	256QAM	1	1	18.20	18.23	18.12		
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	PV2 BPSK	1	1	22.54	22.73	22.74	24.5	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	PV2 BPSK	1	1	22.47	22.65	22.70		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	PV2 BPSK	1	1	22.52	22.70	22.70	24.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2550		
20	PV2 BPSK	1	1	22.54	22.77	22.78		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	PV2 BPSK	1	1	22.44	22.72	22.67	24.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	PV2 BPSK	1	1	22.47	22.67	22.70		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	PV2 BPSK	1	1	22.49	22.67	22.75	24.5	0.0
Channel				500000	507000	514000		
Frequency (MHz)				2500	2535	2570		
Channel				500000	507000	514000		

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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				346000	346000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.35	22.46	22.44		
40	PI/2 BPSK	1	108	22.31	22.40	22.40		
40	PI/2 BPSK	1	214	22.30	22.31	22.37	23.5	0.5
40	PI/2 BPSK	108	0	22.38	22.22	22.34		
40	PI/2 BPSK	108	54	22.40	22.45	22.37		
40	PI/2 BPSK	108	108	22.27	22.35	22.35		
40	PI/2 BPSK	216	0	22.35	22.45	22.25	24.0	0.0
40	QPSK	1	1	22.22	22.24	22.17		
40	QPSK	1	108	22.19	22.30	22.21		
40	QPSK	1	214	22.30	22.38	22.22		
40	QPSK	108	0	21.69	21.80	21.64	23.0	1.0
40	QPSK	108	54	22.30	22.35	22.25		
40	QPSK	108	108	21.88	21.88	21.72		
40	QPSK	216	0	21.72	21.79	21.65		
40	16QAM	1	1	21.06	21.13	20.95	23.0	1.0
40	64QAM	1	1	19.74	19.74	19.71		
40	256QAM	1	1	17.45	17.50	17.53		
40	256QAM	1	1	17.45	17.50	17.53		
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	PI/2 BPSK	1	1	22.30	22.40	22.40	24.0	0.0
Channel				345000	346000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	PI/2 BPSK	1	1	22.27	22.42	22.32	24.0	0.0
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	PI/2 BPSK	1	1	22.21	22.34	22.32	24.0	0.0
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	PI/2 BPSK	1	1	22.23	22.43	22.37	24.0	0.0
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	PI/2 BPSK	1	1	22.25	22.33	22.36	24.0	0.0
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	PI/2 BPSK	1	1	22.21	22.31	22.33	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				346000	346000	352000	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.36	23.55	23.40		
40	PI/2 BPSK	1	108	23.35	23.36	23.41		
40	PI/2 BPSK	1	214	23.33	23.29	23.37	24.0	0.5
40	PI/2 BPSK	108	0	22.80	22.86	22.77		
40	PI/2 BPSK	108	54	23.35	23.40	23.35		
40	PI/2 BPSK	108	108	22.85	22.80	22.78		
40	PI/2 BPSK	216	0	22.78	22.85	22.86	24.5	0.0
40	QPSK	1	1	23.15	23.24	23.14		
40	QPSK	1	108	23.22	23.40	23.28		
40	QPSK	1	214	23.12	23.31	23.16		
40	QPSK	108	0	22.13	22.28	22.17	23.5	1.0
40	QPSK	108	54	23.18	23.31	23.11		
40	QPSK	108	108	22.15	22.37	22.26		
40	QPSK	216	0	22.34	22.42	22.32		
40	16QAM	1	1	21.55	21.71	21.58	23.5	1.0
40	64QAM	1	1	20.15	20.13	20.15		
40	256QAM	1	1	18.80	18.91	18.90		
40	256QAM	1	1	18.80	18.91	18.90		
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	PI/2 BPSK	1	1	23.32	23.49	23.39	24.5	0.0
Channel				344500	346000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	PI/2 BPSK	1	1	23.20	23.47	23.38	24.5	0.0
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	PI/2 BPSK	1	1	23.31	23.38	23.31	24.5	0.0
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	PI/2 BPSK	1	1	23.23	23.40	23.32	24.5	0.0
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	PI/2 BPSK	1	1	23.24	23.41	23.34	24.5	0.0
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	PI/2 BPSK	1	1	23.27	23.39	23.30	24.5	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				346000	346000	352000	23.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.84	22.09	21.82		
40	PI/2 BPSK	1	108	21.92	22.08	21.90		
40	PI/2 BPSK	1	214	21.86	21.84	21.86	23.0	0.5
40	PI/2 BPSK	108	0	21.88	21.94	21.85		
40	PI/2 BPSK	108	54	21.99	22.08	21.98		
40	PI/2 BPSK	108	108	21.92	21.97	21.85		
40	PI/2 BPSK	216	0	21.92	22.04	21.78	23.5	0.0
40	QPSK	1	1	21.74	21.92	21.76		
40	QPSK	1	108	21.87	21.84	21.88		
40	QPSK	1	214	21.84	21.75	21.82		
40	QPSK	108	0	21.70	21.89	21.71	22.5	1.0
40	QPSK	108	54	21.82	21.95	21.80		
40	QPSK	108	108	21.83	21.98	21.91		
40	QPSK	216	0	21.81	21.98	21.81		
40	16QAM	1	1	21.48	21.49	21.53	22.5	1.0
40	64QAM	1	1	20.52	20.54	20.49		
40	256QAM	1	1	18.19	18.28	18.23		
40	256QAM	1	1	18.19	18.28	18.23		
Channel				345000	346000	353000	23.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.77	22.02	21.78		
30	PI/2 BPSK	1	1	21.77	22.02	21.78		
Channel				344500	345000	353500	23.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.84	21.89	21.74		
25	PI/2 BPSK	1	1	21.84	21.89	21.74		
Channel				344000	345000	354000	23.5	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.79	21.93	21.82		
20	PI/2 BPSK	1	1	21.79	21.93	21.82		
Channel				343500	345000	354500	23.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.80	21.93	21.84		
15	PI/2 BPSK	1	1	21.80	21.93	21.84		
Channel				343000	345000	355000	23.5	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.74	22.01	21.78		
10	PI/2 BPSK	1	1	21.74	22.01	21.78		
Channel				342500	345000	355500	23.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.84	21.91	21.87		
5	PI/2 BPSK	1	1	21.84	21.91	21.87		

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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				346000	346000	352000	23.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.69	21.75	21.61		
40	PI/2 BPSK	1	108	21.56	21.58	21.51		
40	PI/2 BPSK	1	214	21.52	21.70	21.56	23.0	0.5
40	PI/2 BPSK	108	0	21.20	21.22	21.09		
40	PI/2 BPSK	108	54	21.55	21.62	21.61		
40	PI/2 BPSK	108	108	21.29	21.58	21.29		
40	PI/2 BPSK	216	0	21.10	21.35	21.33	23.5	0.0
40	QPSK	1	1	21.52	21.63	21.52		
40	QPSK	1	108	21.53	21.58	21.64		
40	QPSK	1	214	21.88	21.50	21.50		
40	QPSK	108	0	20.69	20.85	20.76	22.5	1.0
40	QPSK	108	54	21.50	21.69	21.52		
40	QPSK	108	108	20.82	21.03	20.77		
40	QPSK	216	0	20.69	20.73	20.77		
40	16QAM	1	1	20.55	20.64	20.84	22.5	1.0
40	64QAM	1	1	18.73	18.86	18.89		
40	256QAM	1	1	17.37	17.69	17.47		
40	256QAM	1	1	17.37	17.69	17.47		
Channel				345000	345000	353000	23.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.56	21.67	21.57		
30	PI/2 BPSK	1	1	21.56	21.67	21.57		
Channel				344500	345000	353500	23.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.51	21.72	21.60		
25	PI/2 BPSK	1	1	21.51	21.72	21.60		
Channel				344000	345000	354000	23.5	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.57	21.65	21.51		
20	PI/2 BPSK	1	1	21.57	21.65	21.51		
Channel				343500	345000	354500	23.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.59	21.68	21.55		
15	PI/2 BPSK	1	1	21.59	21.68	21.55		
Channel				343000	345000	355000	23.5	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.56	21.68	21.57		
10	PI/2 BPSK	1	1	21.56	21.68	21.57		
Channel				342500	345000	355500	23.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.61	21.67	21.53		
5	PI/2 BPSK	1	1	21.61	21.67	21.53		



n38_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				518004	518000	518998	25.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.95	24.03	24.02			
40	PI2 BPSK	1	53	23.86	23.93	23.92	25.0	0.5	
40	PI2 BPSK	1	104	23.82	23.93	23.88			
40	PI2 BPSK	50	0	23.73	23.84	23.85			
40	PI2 BPSK	50	28	23.81	23.92	23.85	25.5	0.0	
40	PI2 BPSK	50	58	23.78	23.89	23.76			
40	PI2 BPSK	100	0	23.75	23.79	23.76			
40	QPSK	1	1	23.84	24.00	23.79	25.5	0.0	
40	QPSK	1	53	23.69	23.84	23.73			
40	QPSK	1	104	23.68	23.82	23.84			
40	QPSK	50	0	23.30	23.37	23.21	25.5	0.0	
40	QPSK	50	28	23.70	23.84	23.71			
40	QPSK	50	58	23.78	23.93	23.74			
40	QPSK	100	0	23.15	23.31	23.14	24.5	1.0	
40	16QAM	1	1	22.55	22.59	22.59	24.5	1.0	
40	64QAM	1	1	21.14	21.06	21.08	23.0	2.5	
40	256QAM	1	1	19.07	19.24	19.17	21.0	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	25.5	0.0	
30	PI2 BPSK	1	1	23.73	23.91	23.86			
Channel				518254	519200	521406	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	25.5	0.0	
25	PI2 BPSK	1	1	23.77	23.86	23.86			
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	25.5	0.0	
20	PI2 BPSK	1	1	23.77	23.91	23.83			
Channel				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	25.5	0.0	
15	PI2 BPSK	1	1	23.77	23.93	23.93			
Channel				518254	519200	522206	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	25.5	0.0	
10	PI2 BPSK	1	1	23.74	23.89	23.85			

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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				518004	518000	518998	25.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	24.57	24.65	24.60			
40	PI2 BPSK	1	53	24.42	24.52	24.48	25.0	0.5	
40	PI2 BPSK	1	104	24.41	24.51	24.45			
40	PI2 BPSK	50	0	24.03	23.90	24.09			
40	PI2 BPSK	50	28	24.51	24.53	24.48	25.0	0.5	
40	PI2 BPSK	50	58	24.00	23.90	23.99			
40	PI2 BPSK	100	0	23.94	23.95	23.91			
40	QPSK	1	1	24.45	24.52	24.45	25.5	0.0	
40	QPSK	1	53	24.43	24.48	24.38			
40	QPSK	1	104	24.34	24.48	24.38			
40	QPSK	50	0	23.37	23.41	23.39	25.5	0.0	
40	QPSK	50	28	24.31	24.51	24.41			
40	QPSK	50	58	23.35	23.42	23.38			
40	QPSK	100	0	23.37	23.42	23.38	24.5	1.0	
40	16QAM	1	1	22.58	22.70	22.89	24.5	1.0	
40	64QAM	1	1	21.06	21.15	21.05	23.0	2.5	
40	256QAM	1	1	18.98	19.03	18.98	21.0	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	25.5	0.0	
30	PI2 BPSK	1	1	24.36	24.51	24.47			
Channel				518254	519200	521406	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	25.5	0.0	
25	PI2 BPSK	1	1	24.40	24.44	24.40			
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	25.5	0.0	
20	PI2 BPSK	1	1	24.34	24.45	24.37			
Channel				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.48	25.5	0.0	
15	PI2 BPSK	1	1	24.36	24.47	24.39			
Channel				518254	519200	522206	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	25.5	0.0	
10	PI2 BPSK	1	1	24.37	24.42	24.46			

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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				518004	518000	518998	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.10	23.19	23.06			
40	PI2 BPSK	1	53	23.18	23.18	23.05	24.0	0.5	
40	PI2 BPSK	1	104	23.04	23.12	23.03			
40	PI2 BPSK	50	0	22.39	22.48	22.38			
40	PI2 BPSK	50	28	22.97	23.09	23.05	24.5	0.0	
40	PI2 BPSK	50	58	22.46	22.39	22.44			
40	PI2 BPSK	100	0	22.45	22.46	22.42			
40	QPSK	1	1	22.82	22.88	22.79	24.5	0.0	
40	QPSK	1	53	22.91	23.03	23.03			
40	QPSK	1	104	22.88	22.98	22.90			
40	QPSK	50	0	22.83	22.95	22.81	24.5	0.0	
40	QPSK	50	28	22.98	23.00	22.79			
40	QPSK	50	58	22.78	22.96	22.83			
40	QPSK	100	0	21.79	22.02	21.80	23.5	1.0	
40	16QAM	1	1	21.51	21.58	21.46	23.5	1.0	
40	64QAM	1	1	19.93	20.14	19.97	22.0	2.5	
40	256QAM	1	1	18.83	19.07	18.83	20.0	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	24.5	0.0	
30	PI2 BPSK	1	1	23.04	23.11	23.01			
Channel				518254	519200	521406	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	24.5	0.0	
25	PI2 BPSK	1	1	23.10	23.15	23.01			
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	24.5	0.0	
20	PI2 BPSK	1	1	23.04	23.11	23.03			
Channel				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	24.5	0.0	
15	PI2 BPSK	1	1	23.09	23.09	23.01			
Channel				518254	519200	522206	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	24.5	0.0	
10	PI2 BPSK	1	1	23.13	23.13	23.00			

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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				51800.02	51900.0	51999.98			
Frequency (MHz)				2590.02	2596	2599.98			
40	PI2 BPSK	1	1	23.39	23.52	23.49			
40	PI2 BPSK	1	53	23.37	23.43	23.37			
40	PI2 BPSK	1	104	23.37	23.33	23.38	25.0		0.0
40	PI2 BPSK	50	0	22.73	22.74	22.83	24.5		0.5
40	PI2 BPSK	50	28	23.41	23.43	23.34	25.0		0.0
40	PI2 BPSK	50	56	22.75	22.76	22.80			
40	PI2 BPSK	100	0	22.81	22.86	22.84	24.5		0.5
40	QPSK	1	1	23.08	23.21	23.20			
40	QPSK	1	53	23.28	23.35	23.19	25.0		0.0
40	QPSK	1	104	23.29	23.27	23.19			
40	QPSK	50	0	22.25	22.33	22.16			
40	QPSK	50	28	23.27	23.37	23.21	25.0		0.0
40	QPSK	50	56	22.15	22.28	22.17			
40	QPSK	100	0	22.21	22.22	22.28	24.0		1.0
40	16QAM	1	1	22.24	22.23	22.32	24.0		1.0
40	64QAM	1	1	20.74	20.76	20.78	22.5		2.5
40	256QAM	1	1	18.95	19.03	19.02	20.5		4.5
Channel				51700.2	51900.0	52099.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2596	2604.99			
30	PI2 BPSK	1	1	23.34	23.44	23.36	25.0		0.0
Channel				51550.3	51900.0	52100.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2596	2607.48			
25	PI2 BPSK	1	1	23.32	23.40	23.44	25.0		0.0
Channel				51600.0	51900.0	52200.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2596	2610			
20	PI2 BPSK	1	1	23.29	23.44	23.37	25.0		0.0
Channel				51550.2	51900.0	52249.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2596	2612.49			
15	PI2 BPSK	1	1	23.29	23.45	23.38	25.0		0.0
Channel				51550.3	51900.0	52299.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2596	2614.98			
10	PI2 BPSK	1	1	23.30	23.45	23.46	25.0		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				50900.02	51859.8	52000.0			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	24.04	24.12	24.04			
100	PI2 BPSK	1	137	23.88	23.98	23.87	25.5		0.0
100	PI2 BPSK	1	271	24.03	24.04	24.08			
100	PI2 BPSK	135	0	23.41	23.54	23.60	25.0		0.5
100	PI2 BPSK	135	69	23.98	24.10	24.05	25.5		0.0
100	PI2 BPSK	135	138	23.57	23.68	23.61	25.0		0.5
100	PI2 BPSK	270	0	23.80	23.95	23.84			
100	QPSK	1	1	23.64	23.72	23.69	25.5		0.0
100	QPSK	1	137	23.95	24.02	23.90			
100	QPSK	1	271	23.90	24.05	23.92			
100	QPSK	135	0	22.91	23.01	22.89	25.5		1.0
100	QPSK	135	69	23.94	24.05	23.89			
100	QPSK	135	138	23.06	23.12	23.00			
100	QPSK	270	0	22.87	22.97	22.94	24.5		1.0
100	16QAM	1	1	22.56	22.49	22.52	24.5		1.0
100	64QAM	1	1	21.15	21.15	21.20	23.0		2.5
100	256QAM	1	1	19.15	19.24	19.23	21.0		4.5
Channel				50820.0	51859.8	52099.8	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	23.92	23.97	23.98	25.5		0.0
Channel				50720.1	51859.8	52099.8	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	23.94	23.99	23.92	25.5		0.0
Channel				50620.2	51859.8	53100.0	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	23.90	24.02	23.95	25.5		0.0
Channel				50520.0	51859.8	53199.8	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	24.00	24.02	23.90	25.5		0.0
Channel				50420.1	51859.8	53299.8	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	23.92	23.96	23.98	25.5		0.0
Channel				50320.2	51859.8	53400.0	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	23.92	24.01	23.92	25.5		0.0
Channel				50220.0	51859.8	53499.8	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	24.00	24.05	23.96	25.5		0.0
Channel				50120.1	51859.8	53599.8	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	23.94	24.01	23.98	25.5		0.0
Channel				50070.0	51859.8	53699.8	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	PI2 BPSK	1	1	23.94	23.98	23.99	25.5		0.0
Channel				50020.2	51859.8	53700.0	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2501.01	2592.99	2686			
10	PI2 BPSK	1	1	23.91	23.95	23.93	25.5		0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50920.2	51859.8	52000.0			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	24.50	24.60	24.48			
100	PI2 BPSK	1	137	24.48	24.43	24.34	25.5		0.0
100	PI2 BPSK	1	271	24.30	24.27	24.44			
100	PI2 BPSK	135	0	24.05	23.94	23.88	25.0		0.5
100	PI2 BPSK	135	69	24.42	24.52	24.29	25.5		0.0
100	PI2 BPSK	135	138	23.95	23.91	23.80	25.0		0.5
100	PI2 BPSK	270	0	24.00	24.02	23.85			
100	QPSK	1	1	24.22	24.26	24.29	25.5		0.0
100	QPSK	1	137	24.29	24.39	24.24			
100	QPSK	1	271	24.20	24.21	24.23			
100	QPSK	135	0	23.80	23.92	23.76	25.5		0.0
100	QPSK	135	69	24.20	24.35	24.30			
100	QPSK	135	138	23.77	23.81	23.73			
100	QPSK	270	0	23.20	23.27	23.16	24.5		1.0
100	16QAM	1	1	22.98	23.10	22.97	24.5		1.0
100	64QAM	1	1	21.81	21.85	21.83	23.0		2.5
100	256QAM	1	1	19.76	19.80	19.76	21.0		4.5
Channel				50820.0	51859.8	52099.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	24.46	24.49	24.40	25.5		0.0
Channel				50720.1	51859.8	52099.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	24.41	24.48	24.39	25.5		0.0
Channel				50620.2	51859.8	53100.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	24.43	24.47	24.40	25.5		0.0
Channel				50520.0	51859.8	53199.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	24.42	24.53	24.40	25.5		0.0
Channel				50420.1	51859.8	53299.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	24.46	24.49	24.40	25.5		0.0
Channel				50320.2	51859.8	53400.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	24.44	24.55	24.41	25.5		0.0
Channel				50220.0	51859.8	53499.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	24.43	24.55	24.39	25.5		0.0
Channel				50120.1	51859.8	53599.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	24.37	24.48	24.44	25.5		0.0
Channel				50070.0	51859.8	53699.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	PI2 BPSK	1	1	24.44	24.50	24.41	25.5		0.0
Channel				50020.2	51859.8	53700.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	24.37	24.57	24.42	25.5		0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	530000			
Frequency (MHz)				2548.01	2592.99	2640			
100	P2/2 BPSK	1	1	23.24	23.26	23.17			
100	P2/2 BPSK	1	137	23.19	23.23	23.13			
100	P2/2 BPSK	1	271	23.18	23.18	23.21	24.5	0.0	
100	P2/2 BPSK	135	0	22.70	22.69	22.62	24.0	0.5	
100	P2/2 BPSK	135	69	23.11	23.15	23.10	24.5	0.0	
100	P2/2 BPSK	135	138	22.73	22.76	22.56	24.0	0.5	
100	P2/2 BPSK	270	0	22.79	22.81	22.66			
100	QPSK	1	1	22.81	23.00	22.84			
100	QPSK	1	137	23.08	23.18	23.21	24.5	0.0	
100	QPSK	1	271	22.97	22.97	22.89			
100	QPSK	135	0	22.48	22.59	22.48			
100	QPSK	135	69	23.23	23.21	23.10	24.5	0.0	
100	QPSK	135	138	22.87	22.72	22.62			
100	QPSK	270	0	22.91	22.17	22.04	23.5	1.0	
100	16QAM	1	1	21.87	21.75	21.67	23.5	1.0	
100	64QAM	1	1	20.81	20.85	20.80	22.0	2.5	
100	256QAM	1	1	18.88	18.82	18.70	20.0	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	P2/2 BPSK	1	1	23.19	23.19	23.11	24.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	P2/2 BPSK	1	1	23.20	23.23	23.07	24.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2650			
70	P2/2 BPSK	1	1	23.19	23.17	23.08	24.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	P2/2 BPSK	1	1	23.13	23.14	23.11	24.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	P2/2 BPSK	1	1	23.13	23.19	23.10	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	P2/2 BPSK	1	1	23.15	23.20	23.05	24.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	P2/2 BPSK	1	1	23.15	23.23	23.09	24.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	P2/2 BPSK	1	1	23.14	23.18	23.12	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48			
15	P2/2 BPSK	1	1	23.12	23.20	23.14	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	P2/2 BPSK	1	1	23.16	23.15	23.11	24.5	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				506202	518598	530000			
Frequency (MHz)				2548.01	2592.99	2640			
100	P2/2 BPSK	1	1	23.35	23.48	23.35			
100	P2/2 BPSK	1	137	23.27	23.35	23.24	25.0	0.0	
100	P2/2 BPSK	1	271	23.19	23.20	23.31			
100	P2/2 BPSK	135	0	22.65	22.85	22.82	24.5	0.5	
100	P2/2 BPSK	135	69	23.39	23.43	23.35	25.0	0.0	
100	P2/2 BPSK	135	138	22.89	22.89	22.74	24.5	0.5	
100	P2/2 BPSK	270	0	22.79	22.85	22.76			
100	QPSK	1	1	23.03	23.12	23.02			
100	QPSK	1	137	23.27	23.30	23.23	25.0	0.0	
100	QPSK	1	271	23.07	23.19	23.07			
100	QPSK	135	0	23.01	23.08	22.94			
100	QPSK	135	69	23.22	23.27	23.13	25.0	0.0	
100	QPSK	135	138	23.13	23.22	23.11			
100	QPSK	270	0	22.44	22.64	22.59	24.0	1.0	
100	16QAM	1	1	22.41	22.43	22.38	24.0	1.0	
100	64QAM	1	1	20.86	20.70	20.59	22.5	2.5	
100	256QAM	1	1	18.85	18.03	18.89	20.5	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	P2/2 BPSK	1	1	23.08	23.28	23.17	25.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	P2/2 BPSK	1	1	23.12	23.26	23.13	25.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2650			
70	P2/2 BPSK	1	1	23.12	23.23	23.14	25.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	P2/2 BPSK	1	1	23.16	23.30	23.20	25.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	P2/2 BPSK	1	1	23.06	23.27	23.12	25.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	P2/2 BPSK	1	1	23.13	23.20	23.14	25.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	P2/2 BPSK	1	1	23.11	23.25	23.20	25.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	P2/2 BPSK	1	1	23.14	23.28	23.12	25.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48			
15	P2/2 BPSK	1	1	23.05	23.28	23.20	25.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	P2/2 BPSK	1	1	23.13	23.22	23.21	25.0	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				630000	633334	636666			
Frequency (MHz)				3495	3500.01	3504.99			
100	P2/2 BPSK	1	1		20.48				
100	P2/2 BPSK	1	137		20.42		22.0		0.0
100	P2/2 BPSK	1	271		20.29				
100	P2/2 BPSK	135	0		20.31		21.5		0.5
100	P2/2 BPSK	135	69		20.40		22.0		0.0
100	P2/2 BPSK	135	138		20.33		21.5		0.5
100	P2/2 BPSK	270	0		20.37				
100	QPSK	1	1		19.89				
100	QPSK	1	137		20.34		22.0		0.0
100	QPSK	1	271		20.39				
100	QPSK	135	0		20.01				
100	QPSK	135	69		20.36		22.0		0.0
100	QPSK	135	138		20.03				
100	QPSK	270	0		20.03		21.0		1.0
100	16QAM	1	1		19.08		21.0		1.0
100	64QAM	1	1		17.53		19.5		2.5
100	256QAM	1	1		15.58		17.5		4.5
Channel				630000	633334	636666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	P2/2 BPSK	1	1	20.38	20.44	20.35	22.0		0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	P2/2 BPSK	1	1	20.30	20.45	20.36	22.0		0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	P2/2 BPSK	1	1	20.29	20.42	20.32	22.0		0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3519.99			
60	P2/2 BPSK	1	1	20.38	20.35	20.34	22.0		0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	P2/2 BPSK	1	1	20.30	20.38	20.34	22.0		0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3524.98			
40	P2/2 BPSK	1	1	20.31	20.37	20.35	22.0		0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	P2/2 BPSK	1	1	20.36	20.36	20.40	22.0		0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	P2/2 BPSK	1	1	20.29	20.44	20.37	22.0		0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3520			
20	P2/2 BPSK	1	1	20.38	20.43	20.34	22.0		0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	P2/2 BPSK	1	1	20.38	20.45	20.32	22.0		0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	P2/2 BPSK	1	1	20.29	20.41	20.32	22.0		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				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	20.55	20.62	20.53		
100	PI2 BPSK	1	137	20.29	20.51	20.17	22.0	0.0
100	PI2 BPSK	1	271	20.26	20.40	20.14		
100	PI2 BPSK	135	0	20.37	20.30	20.17	21.5	0.5
100	PI2 BPSK	135	69	20.48	20.50	20.46	22.0	0.0
100	PI2 BPSK	135	138	20.31	20.44	20.18		
100	PI2 BPSK	270	0	20.52	20.61	20.43	21.5	0.5
100	QPSK	1	1	20.05	20.28	20.20		
100	QPSK	1	137	20.16	20.33	20.18	22.0	0.0
100	QPSK	1	271	19.95	19.86	19.97		
100	QPSK	135	0	20.18	20.32	20.18		
100	QPSK	135	69	20.24	20.35	20.13	22.0	0.0
100	QPSK	135	138	20.15	20.12	20.20		
100	QPSK	270	0	20.23	20.35	20.05	21.0	1.0
100	16QAM	1	1	19.43	19.59	19.38	21.0	1.0
100	64QAM	1	1	17.87	17.86	17.85	19.5	2.5
100	256QAM	1	1	15.43	15.71	15.81	17.5	4.5
Channel				649668	650000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	20.43	20.56	20.47	22.0	0.0
Channel				643334	650000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	20.37	20.58	20.44	22.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3960		
70	PI2 BPSK	1	1	20.42	20.51	20.41	22.0	0.0
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	20.38	20.54	20.49	22.0	0.0
Channel				643334	650000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	20.44	20.58	20.44	22.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	20.43	20.52	20.50	22.0	0.0
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI2 BPSK	1	1	20.42	20.50	20.50	22.0	0.0
Channel				643200	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840.00	3967.50		
25	PI2 BPSK	1	1	20.41	20.55	20.45	22.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	20.41	20.52	20.47	22.0	0.0
Channel				647168	650000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	20.42	20.50	20.43	22.0	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	20.37	20.54	20.45	22.0	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				633334	633334	633334		
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		23.41			
100	PI2 BPSK	1	137		23.40		25.0	0.0
100	PI2 BPSK	1	271		23.17			
100	PI2 BPSK	135	0		23.24		25.0	0.0
100	PI2 BPSK	135	69		23.36		25.0	0.0
100	PI2 BPSK	135	138		23.30			
100	PI2 BPSK	270	0		23.35		25.0	0.0
100	QPSK	1	1		23.05			
100	QPSK	1	137		23.30		25.0	0.0
100	QPSK	1	271		23.14			
100	QPSK	135	0		23.18			
100	QPSK	135	69		23.32		25.0	0.0
100	QPSK	135	138		23.39			
100	QPSK	270	0		22.81		24.5	0.5
100	16QAM	1	1		22.71		24.5	0.5
100	64QAM	1	1		21.26		23.0	2.0
100	256QAM	1	1		19.20		21.0	4.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3504.99		
90	PI2 BPSK	1	1	23.30	23.28	23.23	25.0	0.0
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3510		
80	PI2 BPSK	1	1	23.27	23.28	23.25	25.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI2 BPSK	1	1	23.33	23.39	23.31	25.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI2 BPSK	1	1	23.31	23.34	23.26	25.0	0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI2 BPSK	1	1	23.28	23.35	23.21	25.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3524.98		
40	PI2 BPSK	1	1	23.33	23.39	23.23	25.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI2 BPSK	1	1	23.26	23.36	23.29	25.0	0.0
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.48		
25	PI2 BPSK	1	1	23.23	23.30	23.31	25.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.01	3500.01	3544.98		
20	PI2 BPSK	1	1	23.32	23.32	23.27	25.0	0.0
Channel				630000	633334	636666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49		
15	PI2 BPSK	1	1	23.27	23.37	23.24	25.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	PI2 BPSK	1	1	23.25	23.39	23.31	25.0	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				650000	650000	662000		
Frequency (MHz)				37500	38400	39300		
100	PI2 BPSK	1	1	23.55	23.62	23.54		
100	PI2 BPSK	1	137	23.42	23.45	23.37	25.0	0.0
100	PI2 BPSK	1	271	23.31	23.29	23.28		
100	PI2 BPSK	135	0	23.46	23.51	23.47	25.0	0.0
100	PI2 BPSK	135	69	23.51	23.56	23.54	25.0	0.0
100	PI2 BPSK	135	138	23.46	23.48	23.46		
100	PI2 BPSK	270	0	23.41	23.51	23.44	25.0	0.0
100	QPSK	1	1	23.26	23.29	23.26		
100	QPSK	1	137	23.42	23.46	23.50	25.0	0.0
100	QPSK	1	271	23.20	23.27	23.19		
100	QPSK	135	0	23.34	23.50	23.40		
100	QPSK	135	69	23.52	23.50	23.42	25.0	0.0
100	QPSK	135	138	23.39	23.52	23.42		
100	QPSK	270	0	23.40	23.50	23.39	24.5	0.5
100	16QAM	1	1	22.53	22.50	22.48	24.5	0.5
100	64QAM	1	1	21.02	21.00	21.06	23.0	2.0
100	256QAM	1	1	18.91	18.92	18.91	21.0	4.0
Channel				648668	650000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	23.50	23.56	23.44	25.0	0.0
Channel				643334	650000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	23.46	23.52	23.42	25.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3960		
70	PI2 BPSK	1	1	23.49	23.53	23.44	25.0	0.0
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	23.52	23.57	23.42	25.0	0.0
Channel				643334	650000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	23.46	23.49	23.49	25.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	23.46	23.50	23.51	25.0	0.0
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI2 BPSK	1	1	23.44	23.54	23.42	25.0	0.0
Channel				647000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840.00	3969.99		
20	PI2 BPSK	1	1	23.48	23.50	23.52	25.0	0.0
Channel				647168	650000	664632	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840.00	3972.48		
15	PI2 BPSK	1	1	23.47	23.58	23.47	25.0	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	23.51	23.57	23.51	25.0	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				633334		3500.01			
Frequency (MHz)				633334		3500.01			
100	Pi/2 BPSK	1	1		17.13		18.0	0.0	
100	Pi/2 BPSK	1	137		17.03				
100	Pi/2 BPSK	1	271		16.89				
100	Pi/2 BPSK	135	0		16.92		18.0	0.0	
100	Pi/2 BPSK	135	69		17.10		18.0	0.0	
100	Pi/2 BPSK	135	138		17.07		18.0	0.0	
100	Pi/2 BPSK	270	0		17.08				
100	QPSK	1	1		16.84				
100	QPSK	1	137		17.11		18.0	0.0	
100	QPSK	1	271		16.98				
100	QPSK	135	0		17.01				
100	QPSK	135	69		17.07		18.0	0.0	
100	QPSK	135	138		17.08				
100	QPSK	270	0		17.05				
100	16QAM	1	1		17.01		18.0	0.0	
100	64QAM	1	1		17.00		18.0	0.0	
100	256QAM	1	1		17.11		18.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	18.0	0.0	
90	Pi/2 BPSK	1	1		16.98	17.03	16.98	18.0	0.0
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	18.0	0.0	
80	Pi/2 BPSK	1	1		17.04	17.09	16.97	18.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.81	3500.01	3514.98	18.0	0.0	
70	Pi/2 BPSK	1	1		17.05	17.07	17.00	18.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	18.0	0.0	
60	Pi/2 BPSK	1	1		17.00	17.03	16.99	18.0	0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0	
50	Pi/2 BPSK	1	1		16.96	17.01	17.01	18.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3524.98	18.0	0.0	
40	Pi/2 BPSK	1	1		17.01	17.05	16.98	18.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	18.0	0.0	
30	Pi/2 BPSK	1	1		17.02	17.03	16.96	18.0	0.0
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0	
25	Pi/2 BPSK	1	1		16.97	17.03	16.95	18.0	0.0
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0	
20	Pi/2 BPSK	1	1		17.01	17.03	16.97	18.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	18.0	0.0	
15	Pi/2 BPSK	1	1		16.99	17.07	17.00	18.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	18.0	0.0	
10	Pi/2 BPSK	1	1		16.97	17.02	17.00	18.0	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				650000	656000	662000						
Frequency (MHz)				3750	3840	3930						
100	Pi/2 BPSK	1	1	17.15	17.18	16.94	18.0	0.0				
100	Pi/2 BPSK	1	137	16.84	16.84	16.71						
100	Pi/2 BPSK	1	271	16.55	16.60	16.31						
100	Pi/2 BPSK	135	0	17.01	17.01	16.79	18.0	0.0				
100	Pi/2 BPSK	135	69	17.03	17.12	16.87						
100	Pi/2 BPSK	135	138	16.94	16.98	16.68						
100	Pi/2 BPSK	270	0	16.97	17.05	16.80	18.0	0.0				
100	QPSK	1	1	16.81	16.86	16.61						
100	QPSK	1	137	16.97	17.00	16.74						
100	QPSK	1	271	16.83	16.72	16.49	18.0	0.0				
100	QPSK	135	0	16.96	17.05	16.80						
100	QPSK	135	69	17.02	17.11	16.83						
100	QPSK	135	138	16.91	16.97	16.73	18.0	0.0				
100	QPSK	270	0	16.99	17.08	16.82						
100	16QAM	1	1	17.12	17.15	16.89						
100	64QAM	1	1	17.01	17.10	16.80	18.0	0.0				
100	256QAM	1	1	17.09	17.11	16.84						
Channel				649668	656000	662332				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	18.0	0.0				
90	Pi/2 BPSK	1	1	17.11	17.17	16.93	18.0	0.0				
Channel				649334	656000	662666				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99				18.0	0.0	
80	Pi/2 BPSK	1	1	17.12	17.16	16.91	18.0	0.0				
Channel				649000	656000	662900				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945				18.0	0.0	
70	Pi/2 BPSK	1	1	17.10	17.17	16.93	18.0	0.0				
Channel				648668	656000	663332				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3940.88				18.0	0.0	
60	Pi/2 BPSK	1	1	17.09	17.17	16.87	18.0	0.0				
Channel				648334	656000	663666				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99				18.0	0.0	
50	Pi/2 BPSK	1	1	17.12	17.14	16.91	18.0	0.0				
Channel				648000	657000	664000				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960				18.0	0.0	
40	Pi/2 BPSK	1	1	17.13	17.16	16.91	18.0	0.0				
Channel				647668	656000	664332				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840.00	3944.88				18.0	0.0	
30	Pi/2 BPSK	1	1	17.10	17.13	16.92	18.0	0.0				
Channel				647334	656000	664500				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840.00	3967.50				18.0	0.0	
25	Pi/2 BPSK	1	1	17.11	17.12	16.89	18.0	0.0				
Channel				647000	657000	664666				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99				18.0	0.0	
20	Pi/2 BPSK	1	1	17.09	17.11	16.87	18.0	0.0				
Channel				647168	656000	664832				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48				18.0	0.0	
15	Pi/2 BPSK	1	1	17.09	17.13	16.92	18.0	0.0				
Channel				647000	657000	665000				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975				18.0	0.0	
10	Pi/2 BPSK	1	1	17.12	17.13	16.89	18.0	0.0				
Channel										Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)										18.0	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				633334		3500.01			
Frequency (MHz)				633334		3500.01			
100	Pi/2 BPSK	1	1		20.50		22.0	0.0	
100	Pi/2 BPSK	1	137		20.45				
100	Pi/2 BPSK	1	271		20.33				
100	Pi/2 BPSK	135	0		20.45		21.5	0.5	
100	Pi/2 BPSK	135	69		20.48		22.0	0.0	
100	Pi/2 BPSK	135	138		20.38		21.5	0.5	
100	Pi/2 BPSK	270	0		20.38				
100	QPSK	1	1		20.16				
100	QPSK	1	137		20.32		22.0	0.0	
100	QPSK	1	271		20.40				
100	QPSK	135	0		20.19				
100	QPSK	135	69		20.29		22.0	0.0	
100	QPSK	135	138		20.12		21.0	1.0	
100	QPSK	270	0		20.36		21.0	1.0	
100	16QAM	1	1		19.07		21.0	1.0	
100	64QAM	1	1		17.50		19.5	2.5	
100	256QAM	1	1		15.61		17.5	4.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3446	3500.01	3504.99			
90	Pi/2 BPSK	1	1	20.43	20.43	20.38	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pi/2 BPSK	1	1	20.44	20.37	20.40	22.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	Pi/2 BPSK	1	1	20.45	20.38	20.41	22.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3516.99			
60	Pi/2 BPSK	1	1	20.42	20.47	20.34	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3476.02	3500.01	3525			
50	Pi/2 BPSK	1	1	20.38	20.38	20.36	22.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	Pi/2 BPSK	1	1	20.41	20.40	20.40	22.0	0.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pi/2 BPSK	1	1	20.40	20.42	20.37	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	Pi/2 BPSK	1	1	20.40	20.44	20.33	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	Pi/2 BPSK	1	1	20.36	20.40	20.37	22.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	Pi/2 BPSK	1	1	20.42	20.41	20.33	22.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pi/2 BPSK	1	1	20.37	20.46	20.39	22.0	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)				3750	3840	3930		
100	P22 BPSK	1	1	20.37	20.54	20.40		
100	P22 BPSK	1	137	20.33	20.28	20.35		0.0
100	P22 BPSK	1	271	20.19	20.13	20.37		
100	P22 BPSK	135	0	20.44	20.38	20.29	21.5	0.5
100	P22 BPSK	135	69	20.50	20.51	20.44	22.0	0.0
100	P22 BPSK	135	138	20.39	20.28	20.35		
100	P22 BPSK	270	0	20.48	20.49	20.43	21.5	0.5
100	QPSK	1	1	20.42	20.45	20.35		
100	QPSK	1	137	20.38	20.49	20.36	22.0	0.0
100	QPSK	1	271	20.11	20.25	20.19		
100	QPSK	135	0	20.31	20.31	20.21		
100	QPSK	135	69	20.38	20.41	20.38	22.0	0.0
100	QPSK	135	138	20.07	20.21	20.08		
100	QPSK	270	0	20.06	20.30	20.08	21.0	1.0
100	16QAM	1	1	19.38	19.46	19.37	21.0	1.0
100	64QAM	1	1	17.71	17.80	17.78	19.5	2.5
100	256QAM	1	1	15.60	15.54	15.51	17.5	4.5
Channel								
Frequency (MHz)				649668	650000	652332	Tune-up limit (dBm)	MPR (dB)
90	P22 BPSK	1	1	3745.02	3840	3934.98		
				20.31	20.46	20.34	22.0	0.0
Channel								
Frequency (MHz)				3740.01	3840	3939.99		
80	P22 BPSK	1	1	20.33	20.41	20.27	22.0	0.0
Channel								
Frequency (MHz)				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)
70	P22 BPSK	1	1	3725	3840	3945		
				20.31	20.45	20.37	22.0	0.0
Channel								
Frequency (MHz)				648668	650000	653332	Tune-up limit (dBm)	MPR (dB)
60	P22 BPSK	1	1	3730.02	3840	3949.98		
				20.26	20.49	20.36	22.0	0.0
Channel								
Frequency (MHz)				647334	650000	651000	Tune-up limit (dBm)	MPR (dB)
50	P22 BPSK	1	1	3725.01	3840	3954.99		
				20.32	20.47	20.29	22.0	0.0
Channel								
Frequency (MHz)				647000	650000	654000	Tune-up limit (dBm)	MPR (dB)
40	P22 BPSK	1	1	3720	3840	3960		
				20.32	20.50	20.28	22.0	0.0
Channel								
Frequency (MHz)				647668	650000	654332	Tune-up limit (dBm)	MPR (dB)
30	P22 BPSK	1	1	3715.02	3840.00	3964.98		
				20.32	20.42	20.27	22.0	0.0
Channel								
Frequency (MHz)				647334	650000	655000	Tune-up limit (dBm)	MPR (dB)
25	P22 BPSK	1	1	3712.5	3840.00	3967.50		
				20.32	20.51	20.34	22.0	0.0
Channel								
Frequency (MHz)				647334	650000	654666	Tune-up limit (dBm)	MPR (dB)
20	P22 BPSK	1	1	3710.01	3840	3969.99		
				20.31	20.42	20.33	22.0	0.0
Channel								
Frequency (MHz)				647168	650000	654832	Tune-up limit (dBm)	MPR (dB)
15	P22 BPSK	1	1	3707.52	3840	3972.48		
				20.27	20.46	20.37	22.0	0.0
Channel								
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)
10	P22 BPSK	1	1	3705	3840	3975		
				20.28	20.46	20.33	22.0	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)				633334	633334	63500.01		
100	P22 BPSK	1	1		20.92			
100	P22 BPSK	1	137		20.83		22.5	0.0
100	P22 BPSK	1	271		20.83			
100	P22 BPSK	135	0		20.35		22.0	0.5
100	P22 BPSK	135	69		20.85		22.5	0.0
100	P22 BPSK	135	138		20.33		22.0	0.5
100	P22 BPSK	270	0		20.43			
100	QPSK	1	1		20.75			
100	QPSK	1	137		20.88		22.5	0.0
100	QPSK	1	271		20.85			
100	QPSK	135	0		20.30		22.5	0.0
100	QPSK	135	69		20.42			
100	QPSK	135	138		20.32			
100	QPSK	270	0		20.35		22.5	1.0
100	16QAM	1	1		20.03		22.5	1.0
100	64QAM	1	1		19.63		22.5	2.5
100	256QAM	1	1		17.19		20.5	4.5
Channel								
Frequency (MHz)				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
90	P22 BPSK	1	1	3495	3500.01	3504.98		
				20.84	20.87	20.75	22.5	0.0
Channel								
Frequency (MHz)				632666	633334	633000	Tune-up limit (dBm)	MPR (dB)
80	P22 BPSK	1	1	3490.02	3500.01	3510		
				20.80	20.83	20.84	22.5	0.0
Channel								
Frequency (MHz)				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
70	P22 BPSK	1	1	3485.01	3500.01	3514.98		
				20.77	20.80	20.80	22.5	0.0
Channel								
Frequency (MHz)				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
60	P22 BPSK	1	1	3480	3500.01	3519.98		
				20.83	20.89	20.76	22.5	0.0
Channel								
Frequency (MHz)				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	P22 BPSK	1	1	3475.02	3500.01	3525		
				20.83	20.81	20.75	22.5	0.0
Channel								
Frequency (MHz)				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
40	P22 BPSK	1	1	3470.01	3500.01	3529.98		
				20.81	20.91	20.84	22.5	0.0
Channel								
Frequency (MHz)				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
30	P22 BPSK	1	1	3465	3500.01	3534.98		
				20.82	20.87	20.80	22.5	0.0
Channel								
Frequency (MHz)				630666	633334	635999	Tune-up limit (dBm)	MPR (dB)
25	P22 BPSK	1	1	3460.02	3500.01	3540		
				3462.51	3500.01	3537.48		
Channel								
Frequency (MHz)				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
20	P22 BPSK	1	1	3455.01	3500.01	3544.98		
				20.82	20.88	20.76	22.5	0.0
Channel								
Frequency (MHz)				630000	633334	636666	Tune-up limit (dBm)	MPR (dB)
15	P22 BPSK	1	1	3445.01	3500.01	3544.98		
				20.86	20.88	20.78	22.5	0.0
Channel								
Frequency (MHz)				629666	633334	636999	Tune-up limit (dBm)	MPR (dB)
10	P22 BPSK	1	1	3440	3500.01	3544.98		
				20.84	20.87	20.81	22.5	0.0

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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	P22 BPSK	1	1		21.06			
100	P22 BPSK	1	137		21.00		22.5	0.0
100	P22 BPSK	1	271		20.87			
100	P22 BPSK	135	0		21.00		22.0	0.5
100	P22 BPSK	135	69		21.03		22.5	0.0
100	P22 BPSK	135	138		20.47		22.0	0.5
100	P22 BPSK	270	0		21.00			
100	QPSK	1	1		20.97			
100	QPSK	1	137		21.00			0.0
100	QPSK	1	271		20.86			
100	QPSK	135	0		20.83		22.5	
100	QPSK	135	69		20.94			
100	QPSK	135	138		20.98			
100	QPSK	270	0		20.51		21.5	1.0
100	16QAM	1	1		20.21		21.5	1.0
100	64QAM	1	1		18.66		20.0	2.5
100	256QAM	1	1		17.39		18.0	4.5
Channel								
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
90	P22 BPSK	1	1	3745.02	3750	3754.98		
				20.95	20.98	20.90	22.5	0.0
Channel								
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
80	P22 BPSK	1	1	3740.01	3750	3759.99		
				20.96	20.97	20.90	22.5	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	P22 BPSK	1	1	3735	3750	3765		
				20.99	21.02	20.87	22.5	0.0
Channel								
Frequency (MHz)				648666	650000	651333	Tune-up limit (dBm)	MPR (dB)
60	P22 BPSK	1	1	3730.02	3750	3769.98		
				20.99	21.02	20.95	22.5	0.0
Channel								
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
50	P22 BPSK	1	1	3725.01	3750	3774.99		
				20.91	20.94	20.89	22.5	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	P22 BPSK	1	1	3720	3750	3780		
				20.93	21.04	20.93	22.5	0.0
Channel								
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
30	P22 BPSK	1	1	3715.02	3750.00	3784.98		
				20.92	21.02	20.88	22.5	0.0
Channel								
Frequency (MHz)				647332	650000	652666	Tune-up limit (dBm)	MPR (dB)
25	P22 BPSK	1	1	3710.01	3750	3789.99		
				20.90	21.01	20.97	22.5	0.0
Channel								
Frequency (MHz)				647000	650000	652666	Tune-up limit (dBm)	MPR (dB)
20	P22 BPSK	1	1	646334	650000	652666		
				3710.01	3750	3789.99	22.5	0.0
Channel								
Frequency (MHz)				646168	650000	652832	Tune-up limit (dBm)	MPR (dB)
15	P22 BPSK	1	1	3707.52	3750	3792.48		
				20.88	20.89	20.96	22.5	0.0
Channel								
Frequency (MHz)				646000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	P22 BPSK	1	1	3705	3750	3795		
				20.95	21.00	20.97	22.5	0.0

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				63333.34		63333.34		3500.01		
Frequency (MHz)				3500.01						
100	PI2 BPSK	1	1		23.51		25.0	0.0		
100	PI2 BPSK	1	137		23.45					
100	PI2 BPSK	1	271		23.19					
100	PI2 BPSK	135	0		23.39					
100	PI2 BPSK	135	69		23.45		25.0	0.0		
100	PI2 BPSK	135	138		23.42		25.0	0.0		
100	PI2 BPSK	270	0		23.41					
100	QPSK	1	1		23.24					
100	QPSK	1	137		23.48		25.0	0.0		
100	QPSK	1	271		23.28					
100	QPSK	135	0		23.41					
100	QPSK	135	69		23.43					
100	QPSK	135	138		23.51		25.0	0.0		
100	QPSK	270	0		23.47					
100	16QAM	1	1		23.04		25.0	0.0		
100	64QAM	1	1		21.90		25.0	1.0		
100	256QAM	1	1		20.48		23.0	3.0		
Channel				633000	63333.34	633666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485	3500.01	3504.99				
90	PI2 BPSK	1	1		23.33	23.47	23.36	25.0	0.0	
Channel				632666	63333.34	634000	Tune-up limit (dBm)			
Frequency (MHz)				3490.02	3500.01	3510				
80	PI2 BPSK	1	1		23.34	23.49	23.40	25.0	0.0	
Channel				632334	63333.34	634332	Tune-up limit (dBm)			
Frequency (MHz)				3485.01	3500.01	3514.98				
70	PI2 BPSK	1	1		23.37	23.48	23.32	25.0	0.0	
Channel				632000	63333.34	634666	Tune-up limit (dBm)			
Frequency (MHz)				3480	3500.01	3519.99				
60	PI2 BPSK	1	1		23.38	23.48	23.40	25.0	0.0	
Channel				631666	63333.34	635000	Tune-up limit (dBm)			
Frequency (MHz)				3475.02	3500.01	3525				
50	PI2 BPSK	1	1		23.39	23.41	23.32	25.0	0.0	
Channel				631334	63333.34	635332	Tune-up limit (dBm)			
Frequency (MHz)				3470.01	3500.01	3529.98				
40	PI2 BPSK	1	1		23.42	23.41	23.33	25.0	0.0	
Channel				631000	63333.34	635666	Tune-up limit (dBm)			
Frequency (MHz)				3465	3500.01	3534.99				
30	PI2 BPSK	1	1		23.38	23.48	23.40	25.0	0.0	
Channel				630666	63333.34	636000	Tune-up limit (dBm)			
Frequency (MHz)				3460.02	3500.01	3540				
Channel				630334	63333.34	636332	Tune-up limit (dBm)			
Frequency (MHz)				3452.51	3500.01	3537.48				
25	PI2 BPSK	1	1		23.40	23.43	23.34	25.0	0.0	
Channel				630668	63333.34	636660	Tune-up limit (dBm)			
Frequency (MHz)				3450.02	3500.01	3540				
20	PI2 BPSK	1	1		23.38	23.45	23.39	25.0	0.0	
Channel				630500	63333.34	636166	Tune-up limit (dBm)			
Frequency (MHz)				3457.5	3500.01	3542.49				
15	PI2 BPSK	1	1		23.44	23.40	23.40	25.0	0.0	
Channel				630334	63333.34	636332	Tune-up limit (dBm)			
Frequency (MHz)				3455.01	3500.01	3544.98				
10	PI2 BPSK	1	1		23.36	23.41	23.38	25.0	0.0	
Channel										

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	MPR (dB)	
Channel				65000.0		65000.0		65000.0	
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		23.70		25.0	0.0	
100	PI2 BPSK	1	137		23.62				
100	PI2 BPSK	1	271		23.57				
100	PI2 BPSK	135	0		23.48				
100	PI2 BPSK	135	69		23.66		25.0	0.0	
100	PI2 BPSK	135	138		23.63				
100	PI2 BPSK	270	0		23.66		25.0	0.0	
100	QPSK	1	1		23.34				
100	QPSK	1	137		23.66		25.0	0.0	
100	QPSK	1	271		23.62				
100	QPSK	135	0		23.49				
100	QPSK	135	69		23.64				
100	QPSK	135	138		23.68		24.0	0.0	
100	QPSK	270	0		23.56				
100	16QAM	1	1		23.05		24.0	0.0	
100	64QAM	1	1		22.18		22.5	1.0	
100	256QAM	1	1		20.97		20.5	3.0	
Channel				649668	65000.0	650332	Tune-up limit	MPR (dB)	
Frequency (MHz)				3745.02	3750	3764.98			
90	PI2 BPSK	1	1		23.48	23.48	23.40	25.0	0.0
Channel				649334	65000.0	650666	Tune-up limit		
Frequency (MHz)				3740.01	3750	3769.99	(dBm)	MPR (dB)	
80	PI2 BPSK	1	1		23.43	23.47	23.43	25.0	0.0
Channel				649000	65000.0	651000	Tune-up limit		
Frequency (MHz)				3735	3750	3765	(dBm)	MPR (dB)	
70	PI2 BPSK	1	1		23.37	23.53	23.44	25.0	0.0
Channel				648668	65000.0	651332	Tune-up limit		
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	MPR (dB)	
60	PI2 BPSK	1	1		23.38	23.49	23.40	25.0	0.0
Channel				648334	65000.0	651666	Tune-up limit		
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	MPR (dB)	
50	PI2 BPSK	1	1		23.39	23.49	23.41	25.0	0.0
Channel				648000	65000.0	652000	Tune-up limit		
Frequency (MHz)				3720	3750	3780	(dBm)	MPR (dB)	
40	PI2 BPSK	1	1		23.45	23.49	23.45	25.0	0.0
Channel				647668	65000.0	652332	Tune-up limit		
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	MPR (dB)	
30	PI2 BPSK	1	1		23.48	23.45	23.43	25.0	0.0
Channel				647332	65000.0	652500	Tune-up limit		
Frequency (MHz)				3712.5	3750.00	3787.50	(dBm)	MPR (dB)	
25	PI2 BPSK	1	1		23.42	23.52	23.45	25.0	0.0
Channel				647334	65000.0	652666	Tune-up limit		
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	MPR (dB)	
20	PI2 BPSK	1	1		23.46	23.46	23.41	25.0	0.0
Channel				647168	65000.0	652832	Tune-up limit		
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	MPR (dB)	
15	PI2 BPSK	1	1		23.47	23.42	23.35	25.0	0.0
Channel				647000	65000.0	653000	Tune-up limit		
Frequency (MHz)				3705	3750	3795	(dBm)	MPR (dB)	
10	PI2 BPSK	1	1		23.40	23.47	23.38	25.0	0.0
Channel									

Part27Q n78_Ant 6 HPUE							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				633334	633334		
Frequency (MHz)				3500.01			
100	PQ2 BPSK	1	1		18.05		
100	PQ2 BPSK	1	137		18.00		
100	PQ2 BPSK	1	271		17.90		19.0
100	PQ2 BPSK	135	0		17.97		0.0
100	PQ2 BPSK	135	69		17.98		0.0
100	PQ2 BPSK	135	138		17.94		0.0
100	PQ2 BPSK	270	0		17.97		0.0
100	QPSK	1	1		17.74		
100	QPSK	1	137		17.85		19.0
100	QPSK	1	271		17.71		
100	QPSK	135	0		17.98		0.0
100	QPSK	135	69		18.03		
100	QPSK	135	138		17.90		
100	QPSK	270	0		17.95		0.0
100	16QAM	1	1		17.84		0.0
100	64QAM	1	1		17.87		0.0
100	256QAM	1	1		17.91		0.0
Channel				633000	633334	633698	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3495	3500.01	3504.98	
90	PQ2 BPSK	1	1		17.94	18.00	17.91 0.0
Channel				632666	633334	634000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	
80	PQ2 BPSK	1	1		17.95	18.02	17.93 0.0
Channel				632334	633334	634332	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3488.01	3500.01	3514.99	
70	PQ2 BPSK	1	1		17.97	18.01	17.93 0.0
Channel				632000	633334	634666	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3480	3500.01	3519.98	
60	PQ2 BPSK	1	1		17.98	17.98	17.87 0.0
Channel				631666	633334	635000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	
50	PQ2 BPSK	1	1		17.90	18.00	17.91 0.0
Channel				631334	633334	635332	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.99	
40	PQ2 BPSK	1	1		17.94	18.00	17.90 0.0
Channel				631000	633334	635666	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3465	3500.01	3534.98	
30	PQ2 BPSK	1	1		17.91	17.93	17.90 0.0
Channel				630666	633334	635999	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.48	
25	PQ2 BPSK	1	1		17.87	17.96	17.93 0.0
Channel				630668	633334	636000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	
20	PQ2 BPSK	1	1		17.98	17.97	17.93 0.0
Channel				630500	633334	636166	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.48	
15	PQ2 BPSK	1	1		17.89	18.02	17.91 0.0
Channel				630334	633334	636332	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98	
10	PQ2 BPSK	1	1		17.90	17.97	17.92 0.0

Part27O n78_Ant 6 HPUE							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				650000	650000		
Frequency (MHz)				3750			
100	PQ2 BPSK	1	1		18.03		
100	PQ2 BPSK	1	137		17.98		19.0
100	PQ2 BPSK	1	271		17.85		
100	PQ2 BPSK	135	0		17.86		0.0
100	PQ2 BPSK	135	69		17.99		0.0
100	PQ2 BPSK	135	138		17.84		0.0
100	PQ2 BPSK	270	0		17.88		0.0
100	QPSK	1	1		17.71		
100	QPSK	1	137		18.01		19.0
100	QPSK	1	271		17.86		
100	QPSK	135	0		17.92		0.0
100	QPSK	135	69		17.98		
100	QPSK	135	138		17.87		
100	QPSK	270	0		17.96		0.0
100	16QAM	1	1		17.91		0.0
100	64QAM	1	1		17.93		0.0
100	256QAM	1	1		17.91		0.0
Channel				648668	650000	650332	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98	
90	PQ2 BPSK	1	1		17.88	17.98	17.86 0.0
Channel				648334	650000	650666	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99	
80	PQ2 BPSK	1	1		17.82	17.94	17.87 0.0
Channel				648000	650000	651000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3735	3750	3765	
70	PQ2 BPSK	1	1		17.92	17.95	17.91 0.0
Channel				648668	650000	651332	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98	
60	PQ2 BPSK	1	1		17.87	17.95	17.85 0.0
Channel				648334	650000	651666	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	
50	PQ2 BPSK	1	1		17.86	17.91	17.87 0.0
Channel				648000	650000	652000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3720	3750	3765	
40	PQ2 BPSK	1	1		17.88	17.96	17.93 0.0
Channel				647668	650000	652332	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3715.02	3750.00	3764.98	
30	PQ2 BPSK	1	1		17.90	17.99	17.90 0.0
Channel				647334	650000	652666	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3712.5	3750.00	3767.50	
25	PQ2 BPSK	1	1		17.84	17.93	17.90 0.0
Channel				647334	650000	652999	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3710.01	3750	3768.99	
20	PQ2 BPSK	1	1		17.89	17.99	17.85 0.0
Channel				647168	650000	652832	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3707.52	3750	3762.48	
15	PQ2 BPSK	1	1		17.95	17.97	17.86 0.0
Channel				647000	650000	653000	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3705	3750	3765	
10	PQ2 BPSK	1	1		17.89	17.99	17.93 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				633334			20.5	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		19.03		20.5	0.0	
100	PI2 BPSK	1	137		18.89				
100	PI2 BPSK	1	271		18.56				
100	PI2 BPSK	135	0		18.81				
100	PI2 BPSK	135	69		18.94		20.5	0.0	
100	PI2 BPSK	135	138		18.90		20.5	0.0	
100	PI2 BPSK	270	0		18.78		20.5	0.0	
100	QPSK	1	1		18.59		20.5	0.0	
100	QPSK	1	137		18.83				
100	QPSK	1	271		18.56				
100	QPSK	135	0		18.83				
100	QPSK	135	69		18.91		20.5	0.0	
100	QPSK	135	138		18.73		20.5	0.0	
100	QPSK	270	0		18.83		20.5	0.0	
100	16QAM	1	1		18.80		20.5	0.0	
100	64QAM	1	1		18.79		20.5	0.0	
100	256QAM	1	1		17.22		18.5	2.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3504.99			
90	PI2 BPSK	1	1		18.93	19.00	18.94	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		18.87	18.92	18.91	20.5	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.99			
70	PI2 BPSK	1	1		18.89	18.96	18.94	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1		18.90	18.97	18.92	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		18.85	18.90	18.90	20.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.99			
40	PI2 BPSK	1	1		18.93	18.92	18.90	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		18.93	18.98	18.90	20.5	0.0
Channel				630504	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1		18.89	19.00	18.86	20.5	0.0
Channel				630868	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1		18.95	18.90	18.94	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.48			
15	PI2 BPSK	1	1		18.96	18.94	18.85	20.5	0.0
Channel				630304	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		18.92	18.94	18.94	20.5	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				600000			20.5	0.0	
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		19.18		20.5	0.0	
100	PI2 BPSK	1	137		19.10				
100	PI2 BPSK	1	271		18.98				
100	PI2 BPSK	135	0		19.08				
100	PI2 BPSK	135	69		19.14		20.5	0.0	
100	PI2 BPSK	135	138		19.01		20.5	0.0	
100	PI2 BPSK	270	0		18.98		20.5	0.0	
100	QPSK	1	1		18.76		20.5	0.0	
100	QPSK	1	137		19.07				
100	QPSK	1	271		18.69				
100	QPSK	135	0		19.10				
100	QPSK	135	69		19.08		20.5	0.0	
100	QPSK	135	138		18.96		20.5	0.0	
100	QPSK	270	0		19.03		20.5	0.0	
100	16QAM	1	1		19.01		20.5	0.0	
100	64QAM	1	1		19.17		20.5	0.0	
100	256QAM	1	1		17.85		18.5	2.0	
Channel				649668	650000	650332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.05	3750	3754.98			
90	PI2 BPSK	1	1	19.05	19.08	18.98	20.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI2 BPSK	1	1	19.10	19.10	19.01	20.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735	3750	3765			
70	PI2 BPSK	1	1	19.05	19.10	18.99	20.5	0.0	
Channel				648668	650000	651332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI2 BPSK	1	1	19.02	19.07	19.00	20.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI2 BPSK	1	1	19.08	19.08	19.04	20.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3750	3780			
40	PI2 BPSK	1	1	19.07	19.10	19.07	20.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI2 BPSK	1	1	19.02	19.05	19.04	20.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3712.5	3750.00	3787.50			
25	PI2 BPSK	1	1	19.04	19.07	19.05	20.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3750	3782.99			
20	PI2 BPSK	1	1	19.07	19.12	19.03	20.5	0.0	
Channel				647168	650000	652832	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI2 BPSK	1	1	19.10	19.09	19.03	20.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3750	3795			
10	PI2 BPSK	1	1	19.06	19.11	19.04	20.5	0.0	



Reduced Power for DS14

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				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	23.78			25.5	0.0
25	PI2 BPSK	1	65	24.77				
25	PI2 BPSK	1	131	23.85				
25	PI2 BPSK	64	0	23.55			25.0	0.5
25	PI2 BPSK	64	32	24.69			25.5	0.0
25	PI2 BPSK	64	66	23.63			25.0	0.5
25	PI2 BPSK	128	0	23.11				
25	QPSK	1	1	23.85			25.5	0.0
25	QPSK	1	65	24.59				
25	QPSK	1	131	23.82				
25	QPSK	64	0	23.52			24.5	1.0
25	QPSK	64	32	24.58			25.5	0.0
25	QPSK	64	66	23.44			24.5	1.0
25	QPSK	128	0	23.65				
25	16QAM	1	1	23.07			24.5	1.0
25	64QAM	1	1	21.27			23.0	2.5
25	256QAM	1	1	19.81			21.0	4.5
Channel				166800	167300	167800	Tune-up limit (dB)	MPR
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.62	24.75	24.58	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	24.52	24.63	24.52	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	24.57	24.62	24.48	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	24.51	24.66	24.65	25.5	0.0

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	22.29			24.2	0.0
25	PI2 BPSK	1	65	22.96				
25	PI2 BPSK	1	131	22.23				
25	PI2 BPSK	64	0	22.92			24.2	0.0
25	PI2 BPSK	64	32	22.95			24.2	0.0
25	PI2 BPSK	64	66	22.87			24.2	0.0
25	PI2 BPSK	128	0	22.68				
25	QPSK	1	1	22.29			24.2	0.0
25	QPSK	1	65	22.89				
25	QPSK	1	131	22.22				
25	QPSK	64	0	22.94			24.2	0.0
25	QPSK	64	32	22.87			24.2	0.0
25	QPSK	64	66	22.65			24.2	0.0
25	QPSK	128	0	22.82				
25	16QAM	1	1	22.25			24.2	0.0
25	64QAM	1	1	21.27			23.2	1.0
25	256QAM	1	1	19.59			21.2	3.0
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.80	22.92	22.85	24.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	22.87	22.86	22.86	24.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	22.78	22.83	22.78	24.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	22.80	22.88	22.78	24.2	0.0

n7_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000		507000	509000	
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.48	23.53	23.47	25.0	0.0
50	PI2 BPSK	1	135	23.36	23.30	23.33		
50	PI2 BPSK	1	268	23.39	23.43	23.21		
50	PI2 BPSK	135	0	23.32	23.30	23.27	24.5	0.5
50	PI2 BPSK	135	68	23.44	23.45	23.37	25.0	0.0
50	PI2 BPSK	135	135	23.43	23.40	23.27	24.5	0.5
50	PI2 BPSK	270	0	23.38	23.52	23.42		
50	QPSK	1	1	23.02	23.15	23.07	25.0	0.0
50	QPSK	1	135	23.25	23.43	23.21		
50	QPSK	1	268	23.32	23.41	23.24		
50	QPSK	135	0	22.81	22.95	22.83	24.0	1.0
50	QPSK	135	68	23.34	23.32	23.37	25.0	0.0
50	QPSK	135	135	22.81	23.06	22.91	24.0	1.0
50	QPSK	270	0	22.86	22.92	22.84		
50	16QAM	1	1	22.00	22.07	22.11	24.0	1.0
50	64QAM	1	1	20.51	20.53	20.63	22.5	2.5
50	256QAM	1	1	18.53	18.59	18.59	20.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	23.17	23.42	23.06	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	23.04	23.31	23.05	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	23.13	23.33	23.15	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2310	2535	2560		
20	PI2 BPSK	1	1	23.10	23.44	23.09	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	23.08	23.42	23.08	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	23.06	23.40	23.13	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	23.06	23.37	23.06	25.0	0.0

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				503000	507000	509000	20.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pl2 BPSK	1	1	19.08	19.12	19.06			
50	Pl2 BPSK	1	135	18.79	18.90	18.83			
50	Pl2 BPSK	1	268	18.75	18.75	18.75	20.0	0.0	
50	Pl2 BPSK	135	0	18.81	18.86	18.85			
50	Pl2 BPSK	135	68	18.98	19.06	18.97			
50	Pl2 BPSK	135	135	18.84	18.95	18.91			
50	Pl2 BPSK	270	0	18.91	18.95	18.90	20.0	0.0	
50	QPSK	1	1	18.83	18.73	18.64			
50	QPSK	1	135	18.79	18.90	18.80			
50	QPSK	1	268	18.78	18.83	18.80			
50	QPSK	135	0	18.80	18.85	18.86	20.0	0.0	
50	QPSK	135	68	18.99	19.05	18.94			
50	QPSK	135	135	18.84	18.94	18.85			
50	QPSK	270	0	18.77	18.82	18.80			
50	16QAM	1	1	18.67	18.75	18.68	20.0	0.0	
50	64QAM	1	1	18.63	18.67	18.56			
50	256QAM	1	1	18.99	19.01	18.99			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	Pl2 BPSK	1	1	19.06	19.02	18.97	21.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	Pl2 BPSK	1	1	19.03	18.99	19.01		20.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	Pl2 BPSK	1	1	19.02	19.07	19.00		20.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	Pl2 BPSK	1	1	18.99	19.04	19.00		20.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	Pl2 BPSK	1	1	18.96	19.08	18.94		20.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	Pl2 BPSK	1	1	18.99	19.03	19.01		20.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	Pl2 BPSK	1	1	18.96	19.06	18.98		20.0	
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n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.35	22.46	22.44		
40	PI/2 BPSK	1	108	22.31	22.40	22.40		
40	PI/2 BPSK	1	214	22.30	22.31	22.37	23.5	0.5
40	PI/2 BPSK	108	0	22.38	22.22	22.34		
40	PI/2 BPSK	108	54	22.40	22.45	22.37		
40	PI/2 BPSK	108	108	22.27	22.35	22.35		
40	PI/2 BPSK	216	0	22.35	22.44	22.25	24.0	0.0
40	QPSK	1	1	22.22	22.24	22.17		
40	QPSK	1	108	22.19	22.30	22.21		
40	QPSK	1	214	22.30	22.38	22.22		
40	QPSK	108	0	21.69	21.80	21.64	23.0	1.0
40	QPSK	108	54	22.30	22.35	22.25		
40	QPSK	108	108	21.88	21.88	21.72		
40	QPSK	216	0	21.72	21.79	21.65		
40	16QAM	1	1	21.06	21.13	20.95	21.5	2.5
40	64QAM	1	1	19.74	19.74	19.71		
40	256QAM	1	1	17.45	17.50	17.53		
Channel				345000	346000	353000	24.0	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	22.30	22.40	22.40		
Channel				345000	346000	353500	24.0	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	22.27	22.42	22.32		
Channel				344000	346000	354000	24.0	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	22.21	22.34	22.32		
Channel				343500	346000	354500	24.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	22.23	22.43	22.37		
Channel				343000	346000	355000	24.0	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	22.25	22.33	22.36		
Channel				342500	346000	355500	24.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	22.21	22.31	22.33		

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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				346000	346000	352000	17.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.37	16.56	16.40		
40	PI/2 BPSK	1	108	16.33	16.51	16.31		
40	PI/2 BPSK	1	214	16.23	16.37	16.19	17.5	0.0
40	PI/2 BPSK	108	0	16.37	16.51	16.34		
40	PI/2 BPSK	108	54	16.33	16.53	16.32		
40	PI/2 BPSK	108	108	16.32	16.50	16.30		
40	PI/2 BPSK	216	0	16.36	16.51	16.36	17.5	0.0
40	QPSK	1	1	16.24	16.36	16.24		
40	QPSK	1	108	16.36	16.53	16.38		
40	QPSK	1	214	16.20	16.41	16.24		
40	QPSK	108	0	16.36	16.54	16.40	17.5	0.0
40	QPSK	108	54	16.37	16.53	16.36		
40	QPSK	108	108	16.35	16.48	16.31		
40	QPSK	216	0	16.12	16.31	16.10		
40	16QAM	1	1	15.93	16.11	15.91	17.5	0.0
40	64QAM	1	1	16.03	16.19	16.04		
40	256QAM	1	1	16.33	16.51	16.36		
Channel				345000	346000	353000	17.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	16.26	16.46	16.33		
Channel				344500	346000	353500	17.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	16.24	16.49	16.38		
Channel				344000	346000	354000	17.5	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	16.29	16.45	16.30		
Channel				343500	346000	354500	17.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	16.23	16.52	16.37		
Channel				343000	346000	355000	17.5	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	16.28	16.54	16.37		
Channel				342500	346000	355500	17.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	16.33	16.54	16.35		

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	21.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	19.37	19.63	19.35		
40	PI/2 BPSK	1	108	19.36	19.54	19.27		
40	PI/2 BPSK	1	214	19.27	19.54	19.31	21.0	0.0
40	PI/2 BPSK	108	0	19.18	19.46	19.18		
40	PI/2 BPSK	108	54	19.36	19.58	19.27		
40	PI/2 BPSK	108	108	19.25	19.47	19.25		
40	PI/2 BPSK	216	0	19.27	19.55	19.27	21.0	0.0
40	QPSK	1	1	19.06	19.25	19.97		
40	QPSK	1	108	19.25	19.46	19.15		
40	QPSK	1	214	19.06	19.26	19.00		
40	QPSK	108	0	19.18	19.42	19.23	21.0	0.0
40	QPSK	108	54	19.15	19.47	19.15		
40	QPSK	108	108	19.27	19.45	19.18		
40	QPSK	216	0	19.21	19.49	19.30		
40	16QAM	1	1	19.34	19.56	19.40	21.0	0.0
40	64QAM	1	1	18.49	18.48	18.47		
40	256QAM	1	1	18.23	18.29	18.20		
Channel				345000	349000	353000	21.0	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	19.29	19.61	19.33		
Channel				344000	349000	353500	21.0	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	19.25	19.56	19.29		
Channel				343000	349000	354000	21.0	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	19.25	19.59	19.24		
Channel				343500	349000	354500	21.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	19.25	19.51	19.22		
Channel				343000	349000	355000	21.0	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	19.25	19.62	19.22		
Channel				342500	349000	355500	21.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	19.31	19.58	19.31		

n66_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				346000	349000	352000	23.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.17	21.27	21.12		
40	PI/2 BPSK	1	108	21.15	21.12	21.06		
40	PI/2 BPSK	1	214	21.08	21.21	21.14	23.0	0.0
40	PI/2 BPSK	108	0	21.19	21.21	21.10		
40	PI/2 BPSK	108	54	21.05	21.25	21.10		
40	PI/2 BPSK	108	108	21.06	21.11	21.05		
40	PI/2 BPSK	216	0	21.08	21.20	21.05	23.0	0.0
40	QPSK	1	1	21.11	21.23	21.09		
40	QPSK	1	108	21.16	21.22	21.20		
40	QPSK	1	214	21.25	21.07	21.07		
40	QPSK	108	0	20.65	20.83	20.80	22.5	0.5
40	QPSK	108	54	21.11	21.20	21.07		
40	QPSK	108	108	20.78	21.00	20.75		
40	QPSK	216	0	20.68	20.70	20.78		
40	16QAM	1	1	20.57	20.69	20.68	22.5	0.5
40	64QAM	1	1	19.74	18.97	18.95		
40	256QAM	1	1	17.42	17.71	17.44		
Channel				345000	349000	353000	23.0	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.15	21.20	21.02		
Channel				344500	349000	353500	23.0	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.08	21.14	21.08		
Channel				344000	349000	354000	23.0	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.14	21.16	21.01		
Channel				343500	349000	354500	23.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.12	21.22	21.03		
Channel				343000	349000	355000	23.0	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.12	21.25	21.04		
Channel				342500	349000	355500	23.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.11	21.19	21.10		



n38_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				518004	518000	519998	25.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.52	23.56	23.55			
40	PI2 BPSK	1	53	23.47	23.50	23.41			
40	PI2 BPSK	1	104	23.29	23.37	23.29	25.0	0.0	
40	PI2 BPSK	50	0	23.46	23.45	23.48	25.0	0.0	
40	PI2 BPSK	50	28	23.50	23.54	23.37	25.0	0.0	
40	PI2 BPSK	50	58	23.44	23.50	23.49	25.0	0.0	
40	PI2 BPSK	100	0	23.41	23.51	23.44			
40	QPSK	1	1	23.41	23.54	23.45			
40	QPSK	1	53	23.25	23.34	23.36			
40	QPSK	1	104	23.16	23.23	23.17	25.0	0.0	
40	QPSK	50	0	22.80	22.94	22.77			
40	QPSK	50	28	23.26	23.26	23.21			
40	QPSK	50	58	23.28	23.40	23.37			
40	QPSK	100	0	23.14	23.27	23.14	24.5	0.5	
40	16QAM	1	1	22.50	22.55	22.58	24.5	0.5	
40	64QAM	1	1	21.16	21.04	21.04	23.0	2.0	
40	256QAM	1	1	19.09	19.26	19.20	21.0	4.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	25.0	0.0	
30	PI2 BPSK	1	1	23.39	23.52	23.45			
Channel				516000	519000	522000		MPR (dB)	
Frequency (MHz)				2580	2595	2610			
Channel				2582.52	2595	2607.48		0.0	
25	PI2 BPSK	1	1	23.46	23.46	23.51	25.0		
Channel				516000	519000	522000	25.0	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	23.42	23.53	23.45	25.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	25.0	0.0	
15	PI2 BPSK	1	1	23.49	23.50	23.50			
Channel				516000	519000	522000		MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI2 BPSK	1	1	23.47	23.52	23.50	25.0	0.0	

n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	519998	20.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	19.65	19.67	19.59			
40	PI2 BPSK	1	53	19.31	19.48	19.31			
40	PI2 BPSK	1	104	19.40	19.48	19.36	20.5	0.0	
40	PI2 BPSK	50	0	19.41	19.59	19.42	20.5	0.0	
40	PI2 BPSK	50	28	19.62	19.65	19.50	20.5	0.0	
40	PI2 BPSK	50	58	19.41	19.48	19.49	20.5	0.0	
40	PI2 BPSK	100	0	19.50	19.63	19.45			
40	QPSK	1	1	19.43	19.42	19.38			
40	QPSK	1	53	19.37	19.51	19.38			
40	QPSK	1	104	19.36	19.34	19.32	20.5	0.0	
40	QPSK	50	0	19.53	19.55	19.48			
40	QPSK	50	28	19.52	19.59	19.60			
40	QPSK	50	58	19.44	19.57	19.58			
40	QPSK	100	0	19.58	19.50	19.51	20.5	0.0	
40	16QAM	1	1	19.09	19.20	19.13	20.5	0.0	
40	64QAM	1	1	19.29	19.37	19.22	20.5	0.0	
40	256QAM	1	1	19.39	19.27	19.35	20.5	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	20.5	0.0	
30	PI2 BPSK	1	1	19.61	19.63	19.57			
Channel				516000	519000	522000		MPR (dB)	
Frequency (MHz)				2580	2595	2610			
Channel				2582.52	2595	2607.48		0.0	
25	PI2 BPSK	1	1	19.57	19.61	19.47	20.5	0.0	
Channel				516000	519000	522000	20.5	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	19.54	19.56	19.48	20.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	20.5	0.0	
15	PI2 BPSK	1	1	19.59	19.58	19.46			
Channel				516000	519000	522000		MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI2 BPSK	1	1	19.53	19.61	19.55	20.5	0.0	

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	519998	20.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	18.63	18.72	18.56			
40	PI2 BPSK	1	53	18.31	18.35	18.14			
40	PI2 BPSK	1	104	18.57	18.59	18.46	20.0	0.0	
40	PI2 BPSK	50	0	18.53	18.59	18.43	20.0	0.0	
40	PI2 BPSK	50	28	18.62	18.70	18.53	20.0	0.0	
40	PI2 BPSK	50	58	18.63	18.68	18.47	20.0	0.0	
40	PI2 BPSK	100	0	18.64	18.68	18.50			
40	QPSK	1	1	18.59	18.63	18.46			
40	QPSK	1	53	18.59	18.67	18.53			
40	QPSK	1	104	18.49	18.57	18.40	20.0	0.0	
40	QPSK	50	0	18.62	18.66	18.53			
40	QPSK	50	28	18.63	18.71	18.54			
40	QPSK	50	58	18.65	18.70	18.51			
40	QPSK	100	0	18.64	18.68	18.49	20.0	0.0	
40	16QAM	1	1	18.33	18.38	18.20	20.0	0.0	
40	64QAM	1	1	18.48	18.50	18.32	20.0	0.0	
40	256QAM	1	1	18.47	18.55	18.41	20.0	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	20.0	0.0	
30	PI2 BPSK	1	1	18.53	18.63	18.48			
Channel				516000	519000	522000		MPR (dB)	
Frequency (MHz)				2580	2595	2610			
Channel				2582.52	2595	2607.48		0.0	
25	PI2 BPSK	1	1	18.51	18.59	18.50	20.0	0.0	
Channel				516000	519000	522000	20.0	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	PI2 BPSK	1	1	18.58	18.65	18.43	20.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	20.0	0.0	
15	PI2 BPSK	1	1	18.54	18.70	18.47			
Channel				516000	519000	522000		MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI2 BPSK	1	1	18.53	18.59	18.44	20.0	0.0	

n38_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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	15.93	16.05	16.00	17.5	0.0	
40	PI2 BPSK	1	53	15.73	15.93	15.90			
40	PI2 BPSK	1	104	15.72	15.88	15.86			
40	PI2 BPSK	50	0	15.85	16.01	15.93	17.5	0.0	
40	PI2 BPSK	50	26	15.90	16.03	15.99	17.5	0.0	
40	PI2 BPSK	50	56	15.87	16.01	15.99	17.5	0.0	
40	PI2 BPSK	100	0	15.75	15.95	15.90			
40	QPSK	1	1	15.86	15.87	15.84			
40	QPSK	1	53	15.81	15.96	15.87	17.5	0.0	
40	QPSK	1	104	15.76	15.88	15.79			
40	QPSK	50	0	15.68	15.89	15.85			
40	QPSK	50	26	15.61	16.01	15.91	17.5	0.0	
40	QPSK	50	56	15.84	15.97	15.92			
40	QPSK	100	0	15.79	15.99	15.93			
40	16QAM	1	1	15.53	15.65	15.62	17.5	0.0	
40	64QAM	1	1	15.61	15.74	15.71	17.5	0.0	
40	256QAM	1	1	15.87	16.00	15.93	17.5	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	PI2 BPSK	1	1	15.91	16.03	15.93	17.5	0.0	
Channel				515534	519300	521195	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	PI2 BPSK	1	1	15.91	15.99	15.99	17.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	PI2 BPSK	1	1	15.88	15.98	15.94	17.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	PI2 BPSK	1	1	15.92	16.04	15.99	17.5	0.0	
Channel				515534	519300	522595	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	PI2 BPSK	1	1	15.89	16.01	15.99	17.5	0.0	

n41_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				509202	518598	529500			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	24.04	24.12	24.04	25.5	0.0	
100	PI2 BPSK	1	137	23.88	23.88	23.87			
100	PI2 BPSK	1	271	24.03	24.03	24.08			
100	PI2 BPSK	135	0	23.41	23.54	23.60	25.0	0.5	
100	PI2 BPSK	135	69	23.98	24.10	24.05	25.5	0.0	
100	PI2 BPSK	135	138	23.57	23.68	23.61	25.0	0.5	
100	PI2 BPSK	270	0	23.60	23.65	23.64			
100	QPSK	1	1	23.84	23.72	23.89			
100	QPSK	1	137	23.95	24.02	23.90	25.5	0.0	
100	QPSK	1	271	23.90	24.05	23.92	24.5	1.0	
100	QPSK	135	0	22.91	23.01	22.89			
100	QPSK	135	69	23.94	24.05	23.99			
100	QPSK	135	138	23.08	23.12	23.00	24.5	1.0	
100	QPSK	270	0	22.87	22.97	22.94			
100	16QAM	1	1	22.59	22.49	22.52	24.5	1.0	
100	64QAM	1	1	21.15	21.15	21.26	23.0	2.5	
100	256QAM	1	1	19.15	19.24	19.23	21.0	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.88			
90	PI2 BPSK	1	1	23.92	23.97	23.98	25.5	0.0	
Channel				507204	518598	527995	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2640.99			
80	PI2 BPSK	1	1	23.94	23.99	23.92	25.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	23.90	24.02	23.95	25.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.88			
60	PI2 BPSK	1	1	24.00	24.02	23.90	25.5	0.0	
Channel				504204	518598	532995	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	23.92	23.98	23.98	25.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	23.92	24.01	23.92	25.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.88			
30	PI2 BPSK	1	1	24.00	24.05	23.98	25.5	0.0	
Channel				501204	518598	535995	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	23.94	24.01	23.98	25.5	0.0	
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2682.49			
15	PI2 BPSK	1	1	23.94	23.98	23.99	25.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	23.91	23.95	23.93	25.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	528996			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	19.96	19.65	19.53	20.5	0.0	
100	PI2 BPSK	1	137	19.94	19.44	19.24			
100	PI2 BPSK	1	271	19.16	19.15	19.14			
100	PI2 BPSK	135	0	19.35	19.50	19.41	20.5	0.0	
100	PI2 BPSK	135	69	19.97	19.61	19.94	20.5	0.0	
100	PI2 BPSK	135	138	19.48	19.41	19.24	20.5	0.0	
100	PI2 BPSK	270	0	19.46	19.56	19.26			
100	QPSK	1	1	19.05	19.06	19.97			
100	QPSK	1	137	19.94	19.43	19.16	20.5	0.0	
100	QPSK	1	271	19.22	19.15	19.03			
100	QPSK	135	0	19.44	19.50	19.37			
100	QPSK	135	69	19.40	19.64	19.52	20.5	0.0	
100	QPSK	135	138	19.48	19.42	19.18			
100	QPSK	270	0	19.29	19.38	19.26			
100	16QAM	1	1	19.37	19.38	19.20	20.5	0.0	
100	64QAM	1	1	19.31	19.57	19.26	20.5	0.0	
100	256QAM	1	1	19.51	19.55	19.23	20.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.88			
90	PI2 BPSK	1	1	19.44	19.55	19.41	20.5	0.0	
Channel				507204	518598	529995	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2640.99			
80	PI2 BPSK	1	1	19.53	19.56	19.42	20.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	19.49	19.53	19.42	20.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.88			
60	PI2 BPSK	1	1	19.43	19.55	19.40	20.5	0.0	
Channel				504204	518598	532995	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	19.45	19.62	19.50	20.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	19.49	19.58	19.47	20.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	19.53	19.60	19.42	20.5	0.0	
Channel				501204	518598	535995	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2670.99			
20	PI2 BPSK	1	1	19.43	19.54	19.47	20.5	0.0	
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.55	2592.99	2682.48			
15	PI2 BPSK	1	1	19.63	19.63	19.48	20.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	19.44	19.53	19.47	20.5	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				502002	518698	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	19.30	19.31	19.21			
100	PI2 BPSK	1	137	18.87	19.12	18.96	20.5	0.0	
100	PI2 BPSK	1	271	18.54	18.84	18.63			
100	PI2 BPSK	135	0	19.07	19.15	19.03	20.5	0.0	
100	PI2 BPSK	135	69	19.18	19.29	19.23	20.5	0.0	
100	PI2 BPSK	135	138	19.13	19.13	19.22			
100	PI2 BPSK	270	0	19.14	19.22	19.18	20.5	0.0	
100	QPSK	1	1	18.74	18.88	18.70			
100	QPSK	1	137	19.08	19.07	19.03	20.5	0.0	
100	QPSK	1	271	18.91	19.03	18.86			
100	QPSK	135	0	19.21	19.18	19.15	20.5	0.0	
100	QPSK	135	69	19.24	19.27	19.21			
100	QPSK	135	138	19.12	19.20	19.07			
100	QPSK	270	0	19.08	19.17	19.07	20.5	0.0	
100	16QAM	1	1	19.14	19.11	19.08	20.5	0.0	
100	64QAM	1	1	19.17	19.20	19.09	20.5	0.0	
100	256QAM	1	1	18.88	18.94	18.72	20.0	0.5	
Channel				508200	518698	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	19.16	19.24	19.10	20.5	0.0	
Channel				512204	518698	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	19.25	19.28	19.11	20.5	0.0	
Channel				506202	518698	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	19.22	19.19	19.17	20.5	0.0	
Channel				505200	518698	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	19.23	19.23	19.16	20.5	0.0	
Channel				505204	518698	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	19.25	19.23	19.19	20.5	0.0	
Channel				503202	518698	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	19.20	19.29	19.17	20.5	0.0	
Channel				502200	518698	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	19.17	19.28	19.12	20.5	0.0	
Channel				501204	518698	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	19.25	19.28	19.08	20.5	0.0	
Channel				500700	518698	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48			
15	PI2 BPSK	1	1	19.20	19.27	19.16	20.5	0.0	
Channel				500202	518698	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	19.19	19.28	19.17	20.5	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				502002	518698	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	18.38	18.50	18.36			
100	PI2 BPSK	1	137	16.17	16.37	16.22	18.0	0.0	
100	PI2 BPSK	1	271	16.00	16.18	16.06			
100	PI2 BPSK	135	0	16.20	16.38	16.17	18.0	0.0	
100	PI2 BPSK	135	69	16.27	16.44	16.32	18.0	0.0	
100	PI2 BPSK	135	138	16.21	16.36	16.18			
100	PI2 BPSK	270	0	16.25	16.41	16.22	18.0	0.0	
100	QPSK	1	1	16.03	16.15	15.95			
100	QPSK	1	137	16.18	16.39	16.18	18.0	0.0	
100	QPSK	1	271	16.12	16.28	16.07			
100	QPSK	135	0	16.19	16.33	16.12	18.0	0.0	
100	QPSK	135	69	16.37	16.49	16.31			
100	QPSK	135	138	16.21	16.39	16.28			
100	QPSK	270	0	16.27	16.44	16.29	18.0	0.0	
100	16QAM	1	1	16.25	16.45	16.30	18.0	0.0	
100	64QAM	1	1	16.32	16.44	16.29	18.0	0.0	
100	256QAM	1	1	16.27	16.42	16.28	18.0	0.0	
Channel				508200	518698	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	16.33	16.48	16.29	18.0	0.0	
Channel				512204	518698	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	16.32	16.47	16.34	18.0	0.0	
Channel				506202	518698	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	16.32	16.44	16.30	18.0	0.0	
Channel				505200	518698	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	16.37	16.45	16.29	18.0	0.0	
Channel				505204	518698	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	16.33	16.46	16.31	18.0	0.0	
Channel				503202	518698	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	16.32	16.48	16.33	18.0	0.0	
Channel				502200	518698	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	16.31	16.44	16.32	18.0	0.0	
Channel				501204	518698	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	16.36	16.46	16.29	18.0	0.0	
Channel				500700	518698	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	PI2 BPSK	1	1	16.36	16.44	16.32	18.0	0.0	
Channel				500202	518698	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	16.35	16.47	16.34	18.0	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				633000	633334	633666			
Frequency (MHz)				3500.01	3503.34	3506.66			
100	PI2 BPSK	1	1		17.01				
100	PI2 BPSK	1	137		16.91		18.5		0.0
100	PI2 BPSK	1	271		16.88				
100	PI2 BPSK	135	0		16.93		18.5		0.0
100	PI2 BPSK	135	69		16.96		18.5		0.0
100	PI2 BPSK	135	138		16.85		18.5		0.0
100	PI2 BPSK	270	0		16.92				
100	QPSK	1	1		16.85				
100	QPSK	1	137		16.93		18.5		0.0
100	QPSK	1	271		16.81				
100	QPSK	135	0		16.84				
100	QPSK	135	69		16.93		18.5		0.0
100	QPSK	135	138		16.84				
100	QPSK	270	0		16.92		18.5		0.0
100	16QAM	1	1		16.48		18.5		0.0
100	64QAM	1	1		16.58		18.5		0.0
100	256QAM	1	1		15.57		17.5	1.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3500.01	3503.34	3506.66			
90	PI2 BPSK	1	1	16.90	16.92	16.82	18.5		0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3500.01	3504.00			
80	PI2 BPSK	1	1	16.84	16.93	16.84	18.5		0.0
Channel				632335	633334	634333	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3488.01	3500.01	3512.00			
70	PI2 BPSK	1	1	16.89	16.90	16.87	18.5		0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.00	3500.01	3516.66			
60	PI2 BPSK	1	1	16.86	16.83	16.89	18.5		0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3476.02	3500.01	3525.00			
50	PI2 BPSK	1	1	16.91	16.88	16.85	18.5		0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI2 BPSK	1	1	16.89	16.92	16.91	18.5		0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.00	3500.01	3534.99			
30	PI2 BPSK	1	1	16.93	16.88	16.90	18.5		0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540.00			
25	PI2 BPSK	1	1	16.90	16.88	16.86	18.5		0.0
Channel				630336	633334	636300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.02	3500.01	3543.00			
20	PI2 BPSK	1	1	16.83	16.85	16.87	18.5		0.0
Channel				630000	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.05	3500.01	3542.49			
15	PI2 BPSK	1	1	16.85	16.85	16.89	18.5		0.0
Channel				629668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1	16.91	16.95	16.89	18.5		0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3840	3930	18.5	0.0
100	PI2 BPSK	1	137	17.04	17.13	17.07		
100	PI2 BPSK	1	137	16.86	16.80	16.83		
100	PI2 BPSK	1	271	16.53	16.63	16.52		
100	PI2 BPSK	135	0	16.96	17.01	16.94	18.5	0.0
100	PI2 BPSK	135	69	17.06	17.10	17.06	18.5	0.0
100	PI2 BPSK	135	138	16.84	16.83	16.90	18.5	0.0
100	PI2 BPSK	270	0	16.94	17.03	16.95	18.5	0.0
100	QPSK	1	1	16.83	16.86	16.76	18.5	0.0
100	QPSK	1	137	16.84	16.95	16.88		
100	QPSK	1	271	16.50	16.61	16.56		
100	QPSK	135	0	16.59	17.05	17.03		
100	QPSK	135	69	16.91	17.02	16.93	18.5	0.0
100	QPSK	135	138	16.86	16.92	16.88	18.5	0.0
100	QPSK	270	0	16.96	17.05	17.02		
100	16QAM	1	1	16.54	16.84	16.55		
100	64QAM	1	1	16.60	16.70	16.65		
100	256QAM	1	1	15.61	15.72	15.68	17.5	1.0
Channel								
Frequency (MHz)								
90	PI2 BPSK	1	1	3745.02	3840	3934.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	PI2 BPSK	1	1	3740.01	3840	3939.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	PI2 BPSK	1	1	3735.01	3840	3944.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	PI2 BPSK	1	1	3730.02	3840	3949.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	3725.01	3840	3954.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	3720.02	3840	3959.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	3715.02	3840.00	3964.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	3712.5	3840.00	3967.50	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	3710.01	3840	3969.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	3707.52	3840	3972.48	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	17.00	17.11	17.02	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3500.01	3500.01		17.5	0.0
100	PI2 BPSK	1	137	15.86	15.86			
100	PI2 BPSK	1	271	15.60	15.60			
100	PI2 BPSK	135	0	15.77	15.77			
100	PI2 BPSK	135	69	15.94	15.94		17.5	0.0
100	PI2 BPSK	135	138	15.79	15.79		17.5	0.0
100	PI2 BPSK	270	0	15.78	15.78			
100	QPSK	1	1	15.56	15.56			
100	QPSK	1	137	15.81	15.81			
100	QPSK	1	271	15.62	15.62		17.5	0.0
100	QPSK	135	0	15.69	15.69			
100	QPSK	135	69	15.86	15.86			
100	QPSK	135	138	15.92	15.92			
100	QPSK	270	0	15.79	15.79		17.5	0.0
100	16QAM	1	1	15.71	15.71		17.5	0.0
100	64QAM	1	1	15.68	15.68		17.5	0.0
100	256QAM	1	1	15.77	15.77		17.5	0.0
Channel								
Frequency (MHz)								
90	PI2 BPSK	1	1	3495	3500.01	3504.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	PI2 BPSK	1	1	3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	PI2 BPSK	1	1	3485.01	3500.01	3514.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	PI2 BPSK	1	1	3480.02	3500.01	3519.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	3475.02	3500.01	3524.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	3470.01	3500.01	3529.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	3465.01	3500.01	3534.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	3460.02	3500.01	3539.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	3455.01	3500.01	3544.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	3450.01	3500.01	3549.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	3445.01	3500.01	3554.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	15.77	15.80	15.80	17.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3840	3930	17.5	0.0
100	PI2 BPSK	1	137	16.09	16.16	16.05		
100	PI2 BPSK	1	137	15.97	16.04	15.99		
100	PI2 BPSK	1	271	15.89	15.87	15.77		
100	PI2 BPSK	135	0	15.92	16.07	16.02	17.5	0.0
100	PI2 BPSK	135	69	15.98	16.14	16.10	17.5	0.0
100	PI2 BPSK	135	138	16.00	15.98	16.04	17.5	0.0
100	PI2 BPSK	270	0	16.01	16.10	15.98	17.5	0.0
100	QPSK	1	1	15.74	15.85	15.76		
100	QPSK	1	137	16.00	16.03	16.09		
100	QPSK	1	271	15.79	15.84	15.77		
100	QPSK	135	0	15.88	15.99	16.02	17.5	0.0
100	QPSK	135	69	16.07	16.11	16.06		
100	QPSK	135	138	15.94	16.07	15.95		
100	QPSK	270	0	15.92	16.06	15.95		
100	16QAM	1	1	15.50	15.59	15.49	17.5	0.0
100	64QAM	1	1	15.63	15.60	15.50	17.5	0.0
100	256QAM	1	1	15.63	15.65	15.47	17.5	0.0
Channel								
Frequency (MHz)								
90	PI2 BPSK	1	1	3745.02	3840	3934.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	PI2 BPSK	1	1	3740.01	3840	3939.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	PI2 BPSK	1	1	3735.00	3840	3945	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	PI2 BPSK	1	1	3730.02	3840	3949.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	3725.01	3840	3954.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	3720.00	3840	3960	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	3715.02	3840	3964.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	3710.05	3840	3969.95	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	3705.08	3840	3974.92	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	3700.52	3840	3979.48	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	3697.50	3840	3982.50	Tune-up limit (dBm)	MPR (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				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		15.15		16.0	0.0	
100	PI2 BPSK	1	137		15.06				
100	PI2 BPSK	1	271		14.92		16.0	0.0	
100	PI2 BPSK	135	0		14.83				
100	PI2 BPSK	135	69		15.13		16.0	0.0	
100	PI2 BPSK	135	138		15.02		16.0	0.0	
100	PI2 BPSK	270	0		15.10		16.0	0.0	
100	QPSK	1	1		14.88				
100	QPSK	1	137		15.08		16.0	0.0	
100	QPSK	1	271		15.05		16.0	0.0	
100	QPSK	135	0		15.00				
100	QPSK	135	69		15.00		16.0	0.0	
100	QPSK	135	138		15.13				
100	QPSK	270	0		15.11		16.0	0.0	
100	16QAM	1	1		15.08		16.0	0.0	
100	64QAM	1	1		15.03		16.0	0.0	
100	256QAM	1	1		15.10		16.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI2 BPSK	1	1		15.02	15.07	15.00	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		14.99	15.08	15.01	16.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1		15.02	15.09	15.01	16.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1		15.06	15.00	14.95	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		15.01	15.02	14.96	16.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI2 BPSK	1	1		15.01	15.04	15.00	16.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		15.05	15.11	15.02	16.0	0.0
Channel				630659	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1		14.99	15.04	15.02	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1		15.06	15.08	15.03	16.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1		15.00	15.05	14.97	16.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		14.97	15.06	15.03	16.0	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				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	15.19	15.20	14.97	16.0	0.0	
100	PI2 BPSK	1	137	14.81	14.95	14.72			
100	PI2 BPSK	1	271	14.59	14.58	14.31	16.0	0.0	
100	PI2 BPSK	135	0	15.01	15.05	14.86			
100	PI2 BPSK	135	69	15.00	15.15	14.84	16.0	0.0	
100	PI2 BPSK	135	138	15.01	14.91	14.74	16.0	0.0	
100	PI2 BPSK	270	0	14.94	15.12	14.86			
100	QPSK	1	1	14.87	14.91	14.68	16.0	0.0	
100	QPSK	1	137	14.93	14.84	14.76			
100	QPSK	1	271	14.58	14.70	14.55	16.0	0.0	
100	QPSK	135	0	15.02	15.12	14.77			
100	QPSK	135	69	15.08	15.08	14.79	16.0	0.0	
100	QPSK	135	138	14.94	14.99	14.87			
100	QPSK	270	0	15.06	15.04	14.79	16.0	0.0	
100	16QAM	1	1	15.12	15.16	14.88	16.0	0.0	
100	64QAM	1	1	15.03	15.05	14.76	16.0	0.0	
100	256QAM	1	1	15.08	15.04	14.78	16.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PI2 BPSK	1	1	15.15	15.17	14.84	16.0	0.0	
Channel				649333	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	PI2 BPSK	1	1	15.17	15.17	14.84	16.0	0.0	
Channel				649000	650000	650300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	PI2 BPSK	1	1	15.16	15.14	14.91	16.0	0.0	
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI2 BPSK	1	1	15.12	15.15	14.91	16.0	0.0	
Channel				648333	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	PI2 BPSK	1	1	15.14	15.18	14.84	16.0	0.0	
Channel				648000	650000	650400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	PI2 BPSK	1	1	15.17	15.15	14.92	16.0	0.0	
Channel				647668	650000	650432	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840.03	3964.98			
30	PI2 BPSK	1	1	15.17	15.19	14.85	16.0	0.0	
Channel				647333	650000	650700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840.00	3967.50			
25	PI2 BPSK	1	1	15.16	15.16	14.84	16.0	0.0	
Channel				647334	650000	650866	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	PI2 BPSK	1	1	15.17	15.15	14.95	16.0	0.0	
Channel				647168	650000	650832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48			
15	PI2 BPSK	1	1	15.17	15.18	14.85	16.0	0.0	
Channel				647000	650000	650900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	PI2 BPSK	1	1	15.15	15.14	14.84	16.0	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				3500.01					
Frequency (MHz)									
100	PI2 BPSK	1	1		13.01		14.5	0.0	
100	PI2 BPSK	1	137		12.93				
100	PI2 BPSK	1	271		12.81		14.5	0.0	
100	PI2 BPSK	135	0		12.75				
100	PI2 BPSK	135	69		12.95		14.5	0.0	
100	PI2 BPSK	135	138		12.92		14.5	0.0	
100	PI2 BPSK	270	0		12.91				
100	QPSK	1	1		12.85		14.5	0.0	
100	QPSK	1	137		12.80				
100	QPSK	1	271		12.59		14.5	0.0	
100	QPSK	135	0		12.81				
100	QPSK	135	69		12.89		14.5	0.0	
100	QPSK	135	138		12.90				
100	QPSK	270	0		12.83		14.5	0.0	
100	16QAM	1	1		12.76		14.5	0.0	
100	64QAM	1	1		12.87		14.5	0.0	
100	256QAM	1	1		12.49		14.5	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498	3500.01	3504.99			
90	PI2 BPSK	1	1	12.89	12.94	12.89	14.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1	12.92	12.93	12.90	14.5	0.0	
Channel				632234	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1	12.93	12.92	12.90	14.5	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3515.99			
60	PI2 BPSK	1	1	12.86	12.97	12.81	14.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3505			
50	PI2 BPSK	1	1	12.87	12.87	12.90	14.5	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3509.98			
40	PI2 BPSK	1	1	12.89	12.92	12.83	14.5	0.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34650	3500.01	3514.99			
30	PI2 BPSK	1	1	12.85	12.92	12.86	14.5	0.0	
Channel				630334	633334	635932	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3517.48			
25	PI2 BPSK	1	1	12.88	12.92	12.85	14.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3510			
20	PI2 BPSK	1	1	12.90	12.95	12.90	14.5	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3512.49			
15	PI2 BPSK	1	1	12.91	12.89	12.90	14.5	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3514.98			
10	PI2 BPSK	1	1	12.87	12.89	12.85	14.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	12.89	13.06	12.95		
100	PI2 BPSK	1	137	12.81	13.05	12.87	14.5	0.0
100	PI2 BPSK	1	271	12.49	12.69	12.51		
100	PI2 BPSK	135	0	12.70	12.95	12.75	14.5	0.0
100	PI2 BPSK	135	69	12.87	13.01	12.91	14.5	0.0
100	PI2 BPSK	135	138	12.69	12.93	12.74		
100	PI2 BPSK	270	0	12.86	13.00	12.83	14.5	0.0
100	QPSK	1	1	12.57	12.68	12.54		
100	QPSK	1	137	12.82	12.97	12.81	14.5	0.0
100	QPSK	1	271	12.52	12.74	12.56		
100	QPSK	135	0	12.58	12.81	12.64		
100	QPSK	135	69	12.89	12.95	12.86	14.5	0.0
100	QPSK	135	138	12.73	12.97	12.71		
100	QPSK	270	0	12.77	13.02	12.71	14.5	0.0
100	16QAM	1	1	12.42	12.47	12.39	14.5	0.0
100	16QAM	1	1	12.48	12.80	12.43	14.5	0.0
100	256QAM	1	1	12.57	12.80	12.60	14.5	0.0
Channel								
Frequency (MHz)				649686	656000	662332	Tune-up limit (dBm)	MPR (dB)
90	PI2 BPSK	1	1	12.86	12.95	12.92	14.5	0.0
Channel								
Frequency (MHz)				3740.01	3840	3939.99	Tune-up limit (dBm)	MPR (dB)
80	PI2 BPSK	1	1	12.84	13.02	12.90	14.5	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	PI2 BPSK	1	1	12.77	12.98	12.86	14.5	0.0
Channel								
Frequency (MHz)				648686	656000	663332	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	12.76	13.03	12.87	14.5	0.0
Channel								
Frequency (MHz)				647501	656000	663666	Tune-up limit (dBm)	MPR (dB)
50	PI2 BPSK	1	1	12.82	12.95	12.86	14.5	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	PI2 BPSK	1	1	12.80	12.94	12.92	14.5	0.0
Channel								
Frequency (MHz)				647686	656000	664332	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	12.81	12.94	12.85	14.5	0.0
Channel								
Frequency (MHz)				647200	656000	664500	Tune-up limit (dBm)	MPR (dB)
25	PI2 BPSK	1	1	12.79	13.00	12.92	14.5	0.0
Channel								
Frequency (MHz)				647334	656000	664686	Tune-up limit (dBm)	MPR (dB)
20	PI2 BPSK	1	1	12.86	12.95	12.89	14.5	0.0
Channel								
Frequency (MHz)				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
15	PI2 BPSK	1	1	12.80	12.99	12.82	14.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	PI2 BPSK	1	1	12.80	13.03	12.91	14.5	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)				633334				
100	PI2 BPSK	1	1		16.95			
100	PI2 BPSK	1	137		16.91		18.0	0.0
100	PI2 BPSK	1	271		16.56			
100	PI2 BPSK	135	0		16.88		18.0	0.0
100	PI2 BPSK	135	69		16.92		18.0	0.0
100	PI2 BPSK	135	138		16.80			
100	PI2 BPSK	270	0		16.85		18.0	0.0
100	QPSK	1	1		16.82			
100	QPSK	1	137		16.86		18.0	0.0
100	QPSK	1	271		16.53			
100	QPSK	135	0		16.80			
100	QPSK	135	69		16.99		18.0	0.0
100	QPSK	135	138		16.82			
100	QPSK	270	0		16.84		18.0	0.0
100	16QAM	1	1		16.81		18.0	0.0
100	16QAM	1	1		16.80		18.0	0.0
100	256QAM	1	1		16.82		18.0	0.0
Channel								
Frequency (MHz)				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
90	PI2 BPSK	1	1	16.70	16.90	16.84	18.0	0.0
Channel								
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	PI2 BPSK	1	1	16.83	16.84	16.83	18.0	0.0
Channel								
Frequency (MHz)				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
70	PI2 BPSK	1	1	16.81	16.91	16.82	18.0	0.0
Channel								
Frequency (MHz)				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	16.81	16.91	16.82	18.0	0.0
Channel								
Frequency (MHz)				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	PI2 BPSK	1	1	16.78	16.89	16.78	18.0	0.0
Channel								
Frequency (MHz)				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
40	PI2 BPSK	1	1	16.80	16.88	16.83	18.0	0.0
Channel								
Frequency (MHz)				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	16.87	16.87	16.75	18.0	0.0
Channel								
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
25	PI2 BPSK	1	1	16.77	16.86	16.79	18.0	0.0
Channel								
Frequency (MHz)				630866	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	PI2 BPSK	1	1	16.84	16.90	16.84	18.0	0.0
Channel								
Frequency (MHz)				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
15	PI2 BPSK	1	1	16.87	16.83	16.75	18.0	0.0
Channel								
Frequency (MHz)				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
10	PI2 BPSK	1	1	16.87	16.91	16.84	18.0	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)				655000				
100	PI2 BPSK	1	1		17.15			
100	PI2 BPSK	1	137		17.01		18.0	0.0
100	PI2 BPSK	1	271		16.92			
100	PI2 BPSK	135	0		16.91		18.0	0.0
100	PI2 BPSK	135	69		17.11		18.0	0.0
100	PI2 BPSK	135	138		17.01			
100	PI2 BPSK	270	0		17.05		18.0	0.0
100	QPSK	1	1		16.71			
100	QPSK	1	137		16.98		18.0	0.0
100	QPSK	1	271		16.81			
100	QPSK	135	0		16.80			
100	QPSK	135	69		17.02		18.0	0.0
100	QPSK	135	138		17.06			
100	QPSK	270	0		16.90		18.0	0.0
100	16QAM	1	1		16.95		18.0	0.0
100	16QAM	1	1		16.91		18.0	0.0
100	256QAM	1	1		16.93		18.0	0.0
Channel								
Frequency (MHz)				649686	650000	650332	Tune-up limit (dBm)	MPR (dB)
90	PI2 BPSK	1	1	16.90	17.08	17.00	18.0	0.0
Channel								
Frequency (MHz)				3740.01	3750	3759.99	Tune-up limit (dBm)	MPR (dB)
80	PI2 BPSK	1	1	17.06	17.07	17.01	18.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	PI2 BPSK	1	1	17.04	17.09	17.04	18.0	0.0
Channel								
Frequency (MHz)				648686	650000	651332	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	16.97	17.03	16.95	18.0	0.0
Channel								
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
50	PI2 BPSK	1	1	17.07	17.12	17.02	18.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	PI2 BPSK	1	1	17.01	17.06	16.99	18.0	0.0
Channel								
Frequency (MHz)				647686	650000	652332	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	17.05	17.02	17.03	18.0	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				633334		3500.01	18.0	0.0	
Frequency (MHz)									
100	PI2 BPSK	1	1		16.51				
100	PI2 BPSK	1	137		16.48				
100	PI2 BPSK	1	271		16.21		18.0	0.0	
100	PI2 BPSK	135	0		16.41				
100	PI2 BPSK	135	69		16.47				
100	PI2 BPSK	135	138		16.43				
100	PI2 BPSK	270	0		16.44		18.0	0.0	
100	QPSK	1	1		16.24				
100	QPSK	1	137		16.45				
100	QPSK	1	271		16.29				
100	QPSK	135	0		16.48		18.0	0.0	
100	QPSK	135	69		16.42				
100	QPSK	135	138		16.46				
100	QPSK	270	0		16.46				
100	16QAM	1	1		16.04		18.0	0.0	
100	64QAM	1	1		16.06				
100	256QAM	1	1		16.41				
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3504.99			
90	PI2 BPSK	1	1		16.33	16.42	16.31	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		16.42	16.43	16.37	18.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.96			
70	PI2 BPSK	1	1		16.37	16.39	16.41	18.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1		16.40	16.38	16.33	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		16.35	16.47	16.38	18.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.96			
40	PI2 BPSK	1	1		16.40	16.46	16.37	18.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		16.36	16.38	16.36	18.0	0.0
Channel				630504	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1		16.34	16.45	16.36	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1		16.35	16.47	16.35	18.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.48			
15	PI2 BPSK	1	1		16.33	16.46	16.33	18.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		16.37	16.43	16.38	18.0	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				600000		3750		
Frequency (MHz)								
100	PI2 BPSK	1	1		16.70		18.0	0.0
100	PI2 BPSK	1	137		16.62			
100	PI2 BPSK	1	271		16.61			
100	PI2 BPSK	135	0		16.52			
100	PI2 BPSK	135	69		16.67		18.0	0.0
100	PI2 BPSK	135	138		16.66		18.0	0.0
100	PI2 BPSK	270	0		16.63		18.0	0.0
100	QPSK	1	1		16.31		18.0	0.0
100	QPSK	1	137		16.67			
100	QPSK	1	271		16.66			
100	QPSK	135	0		16.50			
100	QPSK	135	69		16.66		18.0	0.0
100	QPSK	135	138		16.63		18.0	0.0
100	QPSK	270	0		16.60		18.0	0.0
100	16QAM	1	1		16.07		18.0	0.0
100	64QAM	1	1		16.16		18.0	0.0
100	256QAM	1	1		16.62		18.0	0.0
Channel				649668	650000	650332	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	16.46	16.43	16.35	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	16.47	16.51	16.41	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	16.47	16.46	16.36	18.0	0.0
Channel				648668	650000	651332	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	16.38	16.42	16.35	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	16.44	16.50	16.41	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	16.44	16.48	16.37	18.0	0.0
Channel				647668	650000	652332	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI2 BPSK	1	1	16.45	16.45	16.37	18.0	0.0
Channel				647500	650000	652500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3712.5	3750.00	3787.50		
25	PI2 BPSK	1	1	16.46	16.46	16.37	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1	16.40	16.45	16.35	18.0	0.0
Channel				647168	650000	652832	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	16.45	16.44	16.40	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	16.37	16.49	16.38	18.0	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				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		15.06				
100	PI2 BPSK	1	137		14.98		16.0	0.0	
100	PI2 BPSK	1	271		14.85				
100	PI2 BPSK	135	0		14.99		16.0	0.0	
100	PI2 BPSK	135	69		15.03		16.0	0.0	
100	PI2 BPSK	135	138		14.92				
100	PI2 BPSK	270	0		15.01		16.0	0.0	
100	QPSK	1	1		14.79				
100	QPSK	1	137		14.85		16.0	0.0	
100	QPSK	1	271		14.85				
100	QPSK	135	0		14.91		16.0	0.0	
100	QPSK	135	69		14.96				
100	QPSK	135	138		14.89				
100	QPSK	270	0		14.90		16.0	0.0	
100	16QAM	1	1		14.91		16.0	0.0	
100	64QAM	1	1		14.87		16.0	0.0	
100	256QAM	1	1		14.96		16.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.98			
90	PI2 BPSK	1	1		14.92	14.95	14.91	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		14.94	14.96	14.89	16.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.96			
70	PI2 BPSK	1	1		14.96	14.96	14.95	16.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1		14.92	14.95	14.88	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		14.96	14.95	14.89	16.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.96			
40	PI2 BPSK	1	1		14.90	15.01	14.93	16.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		14.96	14.98	14.86	16.0	0.0
Channel				630334	633334	635932	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1		14.94	14.94	14.88	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1		14.94	14.98	14.95	16.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1		14.89	15.02	14.95	16.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		14.97	14.96	14.87	16.0	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				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		15.05				
100	PI2 BPSK	1	137		15.00		16.0	0.0	
100	PI2 BPSK	1	271		14.65				
100	PI2 BPSK	135	0		14.79		16.0	0.0	
100	PI2 BPSK	135	69		15.01		16.0	0.0	
100	PI2 BPSK	135	138		14.82				
100	PI2 BPSK	270	0		14.91		16.0	0.0	
100	QPSK	1	1		14.65				
100	QPSK	1	137		14.99		16.0	0.0	
100	QPSK	1	271		14.83				
100	QPSK	135	0		14.93		16.0	0.0	
100	QPSK	135	69		14.99				
100	QPSK	135	138		14.82				
100	QPSK	270	0		14.90		16.0	0.0	
100	16QAM	1	1		14.97		16.0	0.0	
100	64QAM	1	1		14.96		16.0	0.0	
100	256QAM	1	1		14.95		16.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI2 BPSK	1	1		14.89	14.93	14.85	16.0	0.0
Channel				649334	650000	650596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI2 BPSK	1	1		14.96	14.96	14.86	16.0	0.0
Channel				649000	650000	651000	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PI2 BPSK	1	1		14.91	15.01	14.87	16.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI2 BPSK	1	1		14.89	14.98	14.87	16.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI2 BPSK	1	1		14.95	14.95	14.92	16.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	PI2 BPSK	1	1		14.95	14.98	14.93	16.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI2 BPSK	1	1		14.89	15.02	14.89	16.0	0.0
Channel				647334	650000	652559	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750.00	3787.50			
25	PI2 BPSK	1	1		14.93	14.92	14.86	16.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3788.99			
20	PI2 BPSK	1	1		14.92	15.01	14.90	16.0	0.0
Channel				647168	650000	652832	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI2 BPSK	1	1		14.94	14.99	14.88	16.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI2 BPSK	1	1		14.96	14.97	14.86	16.0	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				633334			15.0	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		13.49				
100	PI2 BPSK	1	137		13.38				
100	PI2 BPSK	1	271		13.09		15.0	0.0	
100	PI2 BPSK	135	0		13.40				
100	PI2 BPSK	135	69		13.48				
100	PI2 BPSK	135	138		13.45				
100	PI2 BPSK	270	0		13.38		15.0	0.0	
100	QPSK	1	1		13.00				
100	QPSK	1	137		13.25				
100	QPSK	1	271		13.12				
100	QPSK	135	0		13.38		15.0	0.0	
100	QPSK	135	69		13.41				
100	QPSK	135	138		13.26				
100	QPSK	270	0		13.26				
100	16QAM	1	1		13.38		15.0	0.0	
100	64QAM	1	1		13.41		15.0	0.0	
100	256QAM	1	1		13.47		15.0	0.0	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3485	3500.01	3504.99	(dBm)	(dB)	
90	PI2 BPSK	1	1		13.38	13.37	13.37	15.0	0.0
Channel				632505	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	PI2 BPSK	1	1		13.35	13.44	13.39	15.0	0.0
Channel				632234	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	PI2 BPSK	1	1		13.41	13.45	13.31	15.0	0.0
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	PI2 BPSK	1	1		13.32	13.40	13.29	15.0	0.0
Channel				631666	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	PI2 BPSK	1	1		13.34	13.37	13.31	15.0	0.0
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.99	(dBm)	(dB)	
40	PI2 BPSK	1	1		13.32	13.40	13.32	15.0	0.0
Channel				631000	633334	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)	
30	PI2 BPSK	1	1		13.40	13.39	13.31	15.0	0.0
Channel				630504	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)	(dB)	
25	PI2 BPSK	1	1		13.39	13.36	13.39	15.0	0.0
Channel				630868	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	PI2 BPSK	1	1		13.35	13.45	13.34	15.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.48	(dBm)	(dB)	
15	PI2 BPSK	1	1		13.31	13.45	13.38	15.0	0.0
Channel				630334	633334	636232	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	PI2 BPSK	1	1		13.35	13.41	13.32	15.0	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				660000			15.0	0.0	
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		13.09				
100	PI2 BPSK	1	137		13.52				
100	PI2 BPSK	1	271		13.55		15.0	0.0	
100	PI2 BPSK	135	0		13.59				
100	PI2 BPSK	135	69		13.59				
100	PI2 BPSK	135	138		13.58				
100	PI2 BPSK	270	0		13.46		15.0	0.0	
100	QPSK	1	1		13.32				
100	QPSK	1	137		13.55				
100	QPSK	1	271		13.13				
100	QPSK	135	0		13.58		15.0	0.0	
100	QPSK	135	69		13.59				
100	QPSK	135	138		13.59				
100	QPSK	270	0		13.44				
100	16QAM	1	1		13.50		15.0	0.0	
100	64QAM	1	1		13.62		15.0	0.0	
100	256QAM	1	1		13.56		15.0	0.0	
Channel				649668 650000 650332			Tune-up limit	MPR	
Frequency (MHz)				3745.02 3750 3754.98			(dBm)	(dB)	
90	PI2 BPSK	1	1		13.51	13.63	13.59	15.0	0.0
Channel				649334 650000 650666			Tune-up limit	MPR	
Frequency (MHz)				3740.01 3750 3759.99			(dBm)	(dB)	
80	PI2 BPSK	1	1		13.55	13.59	13.52	15.0	0.0
Channel				649000 650000 651000			Tune-up limit	MPR	
Frequency (MHz)				3735 3750 3765			(dBm)	(dB)	
70	PI2 BPSK	1	1		13.58	13.56	13.55	15.0	0.0
Channel				648668 650000 651332			Tune-up limit	MPR	
Frequency (MHz)				3730.02 3750 3769.98			(dBm)	(dB)	
60	PI2 BPSK	1	1		13.61	13.60	13.57	15.0	0.0
Channel				648334 650000 651666			Tune-up limit	MPR	
Frequency (MHz)				3725.01 3750 3774.99			(dBm)	(dB)	
50	PI2 BPSK	1	1		13.53	13.63	13.57	15.0	0.0
Channel				648000 650000 652000			Tune-up limit	MPR	
Frequency (MHz)				3720 3750 3780			(dBm)	(dB)	
40	PI2 BPSK	1	1		13.51	13.60	13.59	15.0	0.0
Channel				647668 650000 652332			Tune-up limit	MPR	
Frequency (MHz)				3715.02 3750.00 3784.98			(dBm)	(dB)	
30	PI2 BPSK	1	1		13.59	13.65	13.58	15.0	0.0
Channel				647334 650000 652666			Tune-up limit	MPR	
Frequency (MHz)				3710.01 3750 3789.99			(dBm)	(dB)	
25	PI2 BPSK	1	1		13.50	13.57	13.53	15.0	0.0
Channel				647334 650000 652666			Tune-up limit	MPR	
Frequency (MHz)				3710.01 3750 3789.99			(dBm)	(dB)	
20	PI2 BPSK	1	1		13.49	13.59	13.51	15.0	0.0
Channel				647168 650000 652832			Tune-up limit	MPR	
Frequency (MHz)				3707.52 3750 3792.48			(dBm)	(dB)	
15	PI2 BPSK	1	1		13.60	13.58	13.53	15.0	0.0
Channel				647000 650000 653000			Tune-up limit	MPR	
Frequency (MHz)				3705 3750 3795			(dBm)	(dB)	
10	PI2 BPSK	1	1		13.55	13.58	13.59	15.0	0.0



Default/Full Power

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				167300		167300			
Frequency (MHz)				836.5					
25	Pl2 BPSK	1	1	24.01			25.5	0.0	
25	Pl2 BPSK	1	65	24.77					
25	Pl2 BPSK	1	131	23.85					
25	Pl2 BPSK	64	0	24.18			25.0	0.5	
25	Pl2 BPSK	64	32	24.69			25.5	0.0	
25	Pl2 BPSK	64	66	23.93			25.0	0.5	
25	Pl2 BPSK	128	0	24.21					
25	QPSK	1	1	23.95			25.5	0.0	
25	QPSK	1	65	24.59					
25	QPSK	1	131	23.92					
25	QPSK	64	0	23.62			24.5	1.0	
25	QPSK	64	32	24.58			25.5	0.0	
25	QPSK	64	66	23.44			24.5	1.0	
25	QPSK	128	0	23.65					
25	16QAM	1	1	23.01			24.5	1.0	
25	64QAM	1	1	21.27			23.0	2.5	
25	256QAM	1	1	19.81			21.0	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839	25.5	0.0	
20	Pl2 BPSK	1	1	24.62	24.75	24.68	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0	
15	Pl2 BPSK	1	1	24.52	24.63	24.52	25.5	0.0	
Channel				165000	167300	169000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	25.5	0.0	
10	Pl2 BPSK	1	1	24.57	24.62	24.46	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	846.5	25.5	0.0	
5	Pl2 BPSK	1	1	24.51	24.66	24.55	25.5	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				167300		167300			
Frequency (MHz)				836.5					
25	Pl2 BPSK	1	1	23.85			25.7	0.0	
25	Pl2 BPSK	1	65	24.47					
25	Pl2 BPSK	1	131	23.78					
25	Pl2 BPSK	64	0	23.92			25.2	0.5	
25	Pl2 BPSK	64	32	24.44			25.7	0.0	
25	Pl2 BPSK	64	66	24.42			25.2	0.5	
25	Pl2 BPSK	128	0	23.89					
25	QPSK	1	1	23.78			25.7	0.0	
25	QPSK	1	65	24.36					
25	QPSK	1	131	23.71					
25	QPSK	64	0	23.44			24.7	1.0	
25	QPSK	64	32	24.35			25.7	0.0	
25	QPSK	64	66	23.16			24.7	1.0	
25	QPSK	128	0	23.35					
25	16QAM	1	1	22.74			24.7	1.0	
25	64QAM	1	1	21.23			23.2	2.5	
25	256QAM	1	1	19.59			21.2	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839	25.7	0.0	
20	Pl2 BPSK	1	1	24.62	24.75	24.68	25.7	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.7	0.0	
15	Pl2 BPSK	1	1	24.57	24.61	24.61	25.7	0.0	
Channel				165000	167300	169000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	25.7	0.0	
10	Pl2 BPSK	1	1	24.58	24.71	24.58	25.7	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	846.5	25.7	0.0	
5	Pl2 BPSK	1	1	24.62	24.67	24.67	25.7	0.0	

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000		507000			
Frequency (MHz)				2525		2535			
50	Pl2 BPSK	1	1	23.48	23.53	23.47	25.0	0.0	
50	Pl2 BPSK	1	135	23.38	23.30	23.33			
50	Pl2 BPSK	1	269	23.39	23.43	23.21			
50	Pl2 BPSK	135	0	23.32	23.30	23.27	24.5	0.5	
50	Pl2 BPSK	135	68	23.44	23.45	23.37	25.0	0.0	
50	Pl2 BPSK	135	135	23.43	23.40	23.27	24.5	0.5	
50	Pl2 BPSK	270	0	23.38	23.52	23.42			
50	QPSK	1	1	23.02	23.15	23.07	25.0	0.0	
50	QPSK	1	135	23.25	23.43	23.21			
50	QPSK	1	269	23.32	23.41	23.24			
50	QPSK	135	0	22.81	22.95	22.83	24.0	1.0	
50	QPSK	135	68	23.34	23.32	23.37	25.0	0.0	
50	QPSK	135	135	22.81	23.06	22.91	24.0	1.0	
50	QPSK	270	0	22.86	22.92	22.84			
50	16QAM	1	1	22.00	22.07	22.11	24.0	1.0	
50	64QAM	1	1	20.51	20.53	20.63	22.5	2.5	
50	256QAM	1	1	18.53	18.59	18.59	20.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	25.0	0.0	
40	Pl2 BPSK	1	1	23.17	23.42	23.08	25.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	25.0	0.0	
30	Pl2 BPSK	1	1	23.04	23.31	23.05	25.0	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2557.5	25.0	0.0	
25	Pl2 BPSK	1	1	23.13	23.33	23.15	25.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	25.0	0.0	
20	Pl2 BPSK	1	1	23.10	23.44	23.09	25.0	0.0	
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	25.0	0.0	
15	Pl2 BPSK	1	1	23.08	23.42	23.09	25.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	25.0	0.0	
10	Pl2 BPSK	1	1	23.06	23.40	23.13	25.0	0.0	
Channel				500000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	25.0	0.0	
5	Pl2 BPSK	1	1	23.09	23.37	23.05	25.0	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50500	50700	50900	25.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	24.60	24.61	24.55			
50	PI2 BPSK	1	135	24.41	24.52	24.39	25.5	0.0	
50	PI2 BPSK	1	268	24.35	24.32	24.39			
50	PI2 BPSK	135	0	24.05	24.04	23.94			
50	PI2 BPSK	135	68	24.44	24.51	24.35	25.5	0.0	
50	PI2 BPSK	135	135	23.89	23.89	23.86			
50	PI2 BPSK	270	0	23.90	24.04	23.96			
50	QPSK	1	1	24.26	24.42	24.16	25.5	0.0	
50	QPSK	1	135	24.34	24.36	24.35			
50	QPSK	1	268	24.19	24.25	24.24			
50	QPSK	135	0	23.36	23.48	23.39	24.5	1.0	
50	QPSK	135	68	24.42	24.59	24.49			
50	QPSK	135	135	24.16	24.18	24.11			
50	QPSK	270	0	23.25	23.41	23.39	24.5	1.0	
50	16QAM	1	1	22.81	22.78	22.73			
50	64QAM	1	1	22.54	22.49	22.58		23.0	
50	256QAM	1	1	18.67	18.75	18.73	21.0	4.5	
Channel				50600	50700	51000			
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	24.48	24.47	24.30	25.5	0.0	
Channel				50300	50700	51100			
Frequency (MHz)				2515	2535	2555			
30	PI2 BPSK	1	1	24.58	24.47	24.27	25.5	0.0	
Channel				50200	50700	51150			
Frequency (MHz)				2512.5	2535	2557.5			
25	PI2 BPSK	1	1	24.54	24.47	24.40	25.5	0.0	
Channel				50100	50700	51200			
Frequency (MHz)				24.52	24.48	24.33			
20	PI2 BPSK	1	1	24.60	24.48	24.38	25.5	0.0	
Channel				50150	50700	51250			
Frequency (MHz)				2407.5	2535	2562.5			
15	PI2 BPSK	1	1	24.52	24.48	24.33	25.5	0.0	
Channel				50100	50700	51300			
Frequency (MHz)				2405	2535	2565			
10	PI2 BPSK	1	1	24.52	24.48	24.27	25.5	0.0	
Channel				50050	50700	51350			
Frequency (MHz)				2402.5	2535	2567.5			
5	PI2 BPSK	1	1	24.52	24.54	24.32	25.5	0.0	
Channel									
Frequency (MHz)									

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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				34600	34900	35200	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.35	22.48	22.44			
40	PI2 BPSK	1	108	22.31	22.40	22.40	24.0	0.0	
40	PI2 BPSK	1	214	22.30	22.31	22.37			
40	PI2 BPSK	108	0	22.38	22.22	22.34			
40	PI2 BPSK	108	54	22.40	22.45	22.37	24.0	0.0	
40	PI2 BPSK	108	108	22.27	22.35	22.35			
40	PI2 BPSK	216	0	22.35	22.44	22.25			
40	QPSK	1	1	22.22	22.24	22.17	24.0	0.0	
40	QPSK	1	108	22.19	22.26	22.21			
40	QPSK	1	214	22.30	22.35	22.22			
40	QPSK	108	0	21.89	21.80	21.64	23.0	1.0	
40	QPSK	108	54	22.30	22.35	22.25			
40	QPSK	108	108	21.88	21.88	21.72			
40	QPSK	216	0	21.72	21.79	21.65	23.0	1.0	
40	16QAM	1	1	21.06	21.13	20.85			
40	64QAM	1	1	19.74	19.74	19.71		21.5	
40	256QAM	1	1	17.45	17.50	17.53	19.5	4.5	
Channel				34500	34900	35300			
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	22.30	22.40	22.40	24.0	0.0	
Channel				34400	34900	35400			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	22.27	22.42	22.32	24.0	0.0	
Channel				34300	34900	35500			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	22.21	22.34	22.32	24.0	0.0	
Channel				34300	34900	35600			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	22.23	22.43	22.37	24.0	0.0	
Channel				34300	34900	35600			
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	22.25	22.33	22.39	24.0	0.0	
Channel				34250	34900	35600			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	22.21	22.31	22.33	24.0	0.0	
Channel									
Frequency (MHz)									

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	350000	24.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.36	23.55	23.40			
40	PI2 BPSK	1	108	23.35	23.36	23.41	24.5	0.0	
40	PI2 BPSK	1	214	23.33	23.29	23.37			
40	PI2 BPSK	108	0	22.80	22.86	22.77			
40	PI2 BPSK	108	54	23.35	23.40	23.35	24.5	0.0	
40	PI2 BPSK	108	108	22.85	22.80	22.78			
40	PI2 BPSK	216	0	22.76	22.88	22.86			
40	QPSK	1	1	23.15	23.24	23.14	24.5	0.0	
40	QPSK	1	108	23.22	23.40	23.28			
40	QPSK	1	214	23.15	23.31	23.16			
40	QPSK	108	0	22.11	22.28	22.17	23.5	1.0	
40	QPSK	108	54	23.18	23.31	23.11			
40	QPSK	108	108	22.15	22.37	22.26			
40	QPSK	216	0	22.34	22.42	22.32	23.5	1.0	
40	16QAM	1	1	21.65	21.71	21.58			
40	64QAM	1	1	20.15	20.13	20.15		22.0	
40	256QAM	1	1	18.80	18.91	18.90	20.0	4.5	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	23.32	23.49	23.39	24.5	0.0	
Channel				344000	349000	355000			
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	23.20	23.47	23.38	24.5	0.0	
Channel				343000	349000	356000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	23.31	23.38	23.31	24.5	0.0	
Channel				343000	349000	356000			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	23.23	23.40	23.32	24.5	0.0	
Channel				343000	349000	356000			
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	23.24	23.41	23.34	24.5	0.0	
Channel				342000	349000	356000	24.5	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	23.27	23.39	23.30			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	21.84	22.09	21.82	23.5	0.0	
40	Pl2 BPSK	1	108	21.92	22.08	21.90			
40	Pl2 BPSK	1	214	21.86	21.84	21.86			
40	Pl2 BPSK	108	0	21.88	21.94	21.85	23.0	0.5	
40	Pl2 BPSK	108	54	21.99	22.08	21.98	23.5	0.0	
40	Pl2 BPSK	108	108	21.92	21.97	21.85	23.0	0.5	
40	Pl2 BPSK	216	0	21.92	22.04	21.78			
40	QPSK	1	1	21.74	21.92	21.76			
40	QPSK	1	108	21.87	21.84	21.88	23.5	0.0	
40	QPSK	1	214	21.84	21.75	21.82			
40	QPSK	108	0	21.70	21.89	21.71	22.5	1.0	
40	QPSK	108	54	21.82	21.95	21.80	23.5	0.0	
40	QPSK	108	108	21.83	21.96	21.91	22.5	1.0	
40	QPSK	216	0	21.81	21.96	21.81	22.5	1.0	
40	16QAM	1	1	21.48	21.49	21.53	22.5	1.0	
40	64QAM	1	1	20.52	20.54	20.49	21.0	2.5	
40	256QAM	1	1	18.19	18.26	18.23	19.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	Pl2 BPSK	1	1	21.77	22.02	21.78	23.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	Pl2 BPSK	1	1	21.84	21.89	21.74	23.5	0.0	
Channel				348000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	Pl2 BPSK	1	1	21.79	21.93	21.82	23.5	0.0	
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	Pl2 BPSK	1	1	21.80	21.93	21.84	23.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	Pl2 BPSK	1	1	21.74	22.01	21.78	23.5	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	Pl2 BPSK	1	1	21.84	21.91	21.87	23.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	21.69	21.75	21.61	23.5	0.0	
40	Pl2 BPSK	1	108	21.69	21.66	21.51			
40	Pl2 BPSK	1	214	21.52	21.70	21.56			
40	Pl2 BPSK	108	0	21.20	21.22	21.09	23.0	0.5	
40	Pl2 BPSK	108	54	21.55	21.62	21.61	23.5	0.0	
40	Pl2 BPSK	108	108	21.29	21.58	21.29	23.0	0.5	
40	Pl2 BPSK	216	0	21.10	21.38	21.33			
40	QPSK	1	1	21.52	21.63	21.52			
40	QPSK	1	108	21.53	21.58	21.64	23.5	0.0	
40	QPSK	1	214	21.68	21.50	21.50			
40	QPSK	108	0	20.69	20.85	20.76	22.5	1.0	
40	QPSK	108	54	21.50	21.69	21.52	23.5	0.0	
40	QPSK	108	108	20.82	21.03	20.77	22.5	1.0	
40	QPSK	216	0	20.69	20.73	20.77	22.5	1.0	
40	16QAM	1	1	20.55	20.64	20.64	22.5	1.0	
40	64QAM	1	1	18.73	18.96	18.89	21.0	2.5	
40	256QAM	1	1	17.37	17.59	17.47	19.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1725	1745	1765			
30	Pl2 BPSK	1	1	21.56	21.67	21.57	23.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1722.5	1745	1767.5			
25	Pl2 BPSK	1	1	21.51	21.72	21.60	23.5	0.0	
Channel				348000	349000	350000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1720	1745	1770			
20	Pl2 BPSK	1	1	21.57	21.65	21.51	23.5	0.0	
Channel				345000	349000	354000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	Pl2 BPSK	1	1	21.59	21.68	21.55	23.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	Pl2 BPSK	1	1	21.58	21.69	21.57	23.5	0.0	
Channel				342500	349000	355000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	Pl2 BPSK	1	1	21.61	21.67	21.53	23.5	0.0	

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RW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 500000	Power Middle Ch. Freq. 18688	Power High Ch. Freq. 528000	Turn-up time (dftm)	MPR (dB)	
Channel									
	Frequency (MHz)			25.61	25.92	26.40			
100	P12 BPSK	1	1	24.04	24.32	24.64			
100	P12 BPSK	1	137	23.98	24.26	24.58	25.5	0.0	
100	P12 BPSK	1	271	24.03	24.04	24.08			
100	P12 BPSK	135	0	23.41	23.49	23.61	25.0	0.5	
100	P12 BPSK	135	138	23.98	24.00	24.05	25.5	0.0	
100	P12 BPSK	135	270	23.97	23.68	23.61	25.0	0.5	
100	P12 BPSK	270	0	23.60	23.65	23.64			
100	QPSK	1	1	23.64	23.72	23.80			
100	QPSK	1	137	23.95	24.00	24.04	25.5	0.0	
100	QPSK	1	271	23.90	24.05	23.92			
100	QPSK	135	0	22.91	23.01	23.22			
100	QPSK	135	138	23.84	24.05	23.89	25.5	1.0	
100	QPSK	135	270	23.92	23.92	23.90			
100	QPSK	270	0	22.87	22.97	22.94	24.5	1.0	
100	16QAM	1	1	22.86	22.49	22.52	24.5	1.0	
100	16QAM	1	1	21.15	21.15	21.20	23.0	2.5	
100	256QAM	1	1	19.15	19.24	19.23	21.0	4.5	
Channel									
	Frequency (MHz)			50.8200	51.8888	52.6968	Turn-up time (dftm)	MPR (dB)	
90	P12 BPSK	1	1	23.42	23.67	23.98	25.5	0.0	
90	P12 BPSK	1	137	23.92	23.87	23.98	25.5	0.0	
90	P12 BPSK	1	271	23.98	23.9888	23.9988	Turn-up time (dftm)	MPR (dB)	
80	P12 BPSK	1	1	25.06	25.02	25.00	25.5	0.0	
80	P12 BPSK	1	1	23.94	23.99	23.92	25.5	0.0	
80	P12 BPSK	1	137	25.01	25.0088	25.0110	25.5	0.0	
80	P12 BPSK	1	1	23.90	24.02	23.95	25.5	0.0	
80	P12 BPSK	1	1	23.90	23.9988	23.9988	Turn-up time (dftm)	MPR (dB)	
80	P12 BPSK	1	1	23.98	24.0088	24.0088	Turn-up time (dftm)	MPR (dB)	
60	P12 BPSK	1	1	24.00	24.02	23.90	25.5	0.0	
60	P12 BPSK	1	1	50.8204	51.8888	52.6968	Turn-up time (dftm)	MPR (dB)	
60	P12 BPSK	1	1	24.00	24.0088	24.0088	Turn-up time (dftm)	MPR (dB)	
50	P12 BPSK	1	1	23.92	23.96	23.98	25.5	0.0	
50	P12 BPSK	1	1	50.8202	51.8888	53.4000	Turn-up time (dftm)	MPR (dB)	
50	P12 BPSK	1	1	23.92	23.9288	23.9288	Turn-up time (dftm)	MPR (dB)	
40	P12 BPSK	1	1	23.92	24.01	23.92	25.5	0.0	
40	P12 BPSK	1	1	50.8200	51.8888	53.4968	Turn-up time (dftm)	MPR (dB)	
40	P12 BPSK	1	1	23.91	23.92	23.94	25.5	0.0	
30	P12 BPSK	1	1	24.00	24.0088	24.0088	Turn-up time (dftm)	MPR (dB)	
30	P12 BPSK	1	1	50.8208	51.8888	53.5988	Turn-up time (dftm)	MPR (dB)	
30	P12 BPSK	1	1	25.06	25.02	25.00	25.5	0.0	
20	P12 BPSK	1	1	23.94	24.01	23.98	25.5	0.0	
20	P12 BPSK	1	1	50.8205	51.8888	53.4968	Turn-up time (dftm)	MPR (dB)	
20	P12 BPSK	1	1	23.93	23.98	23.99	25.5	0.0	
15	P12 BPSK	1	1	23.94	23.95	23.97	25.5	0.0	
15	P12 BPSK	1	1	23.91	23.95	23.93	25.5	0.0	
10	P12 BPSK	1	1	23.91	23.95	23.93	25.5	0.0	

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RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 500KHz	Power Middle Ch. 1 1.5MHz	Power High Ch. 1 500KHz	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	24.50	24.60	24.64		
100	Pi2 BPSK	1	137	24.48	24.43	24.34	25.5	0.0
100	Pi2 BPSK	1	251	24.30	24.27	24.44		
100	Pi2 BPSK	135	0	24.05	23.94	23.80	25.0	0.5
100	Pi2 BPSK	135	135	24.05	23.93	23.82	25.0	0.5
100	Pi2 BPSK	135	138	23.95	23.91	23.80	25.0	0.0
100	Pi2 BPSK	270	0	24.00	24.02	23.87		
100	QPSK	1	1	24.22	24.26	24.30	25.0	0.0
100	QPSK	1	137	24.29	24.29	24.30	25.0	0.0
100	QPSK	1	271	24.20	24.21	24.23		
100	QPSK	135	0	23.80	23.92	23.76		
100	QPSK	135	69	24.20	24.36	24.30	25.5	0.0
100	QPSK	135	138	23.77	23.81	23.73		
100	QPSK	270	0	23.20	23.27	23.18	24.5	1.0
100	16QAM	1	1	22.98	23.10	22.97	24.5	0.0
100	16QAM	1	271	21.86	21.86	21.83	23.8	2.5
100	256QAM	1	1	19.76	19.80	19.76	21.0	4.5
Channel								
Frequency (MHz)								
90	Pi2 BPSK	1	1	24.48	24.49	24.48	25.5	0.0
Channel								
Frequency (MHz)								
80	Pi2 BPSK	1	1	25.02	25.02	25.00	25.5	0.0
80	Pi2 BPSK	1	1	25.41	25.48	25.39	25.5	0.0
Channel								
Frequency (MHz)								
70	Pi2 BPSK	1	1	25.11	25.09	25.05	25.5	0.0
70	Pi2 BPSK	1	1	24.43	24.47	24.40	25.5	0.0
Channel								
Frequency (MHz)								
60	Pi2 BPSK	1	1	25.06	25.09	25.09	25.5	0.0
60	Pi2 BPSK	1	1	24.42	24.53	24.40	25.5	0.0
Channel								
Frequency (MHz)								
50	Pi2 BPSK	1	1	24.46	24.48	24.40	25.5	0.0
Channel								
Frequency (MHz)								
40	Pi2 BPSK	1	1	24.46	24.55	24.41	25.5	0.0
Channel								
Frequency (MHz)								
30	Pi2 BPSK	1	1	24.43	24.55	24.39	25.5	0.0
Channel								
Frequency (MHz)								
20	Pi2 BPSK	1	1	24.37	24.52	24.44	25.5	0.0
Channel								
Frequency (MHz)								
15	Pi2 BPSK	1	1	24.44	24.50	24.41	25.5	0.0
Channel								
Frequency (MHz)								
10	Pi2 BPSK	1	1	24.37	24.57	24.42	25.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1	20.48				
100	Pi2 BPSK	1	137	20.29			22.0	0.0
100	Pi2 BPSK	135	0	20.31	20.31	21.5	0.5	0.5
100	Pi2 BPSK	135	60	20.40			22.0	0.0
100	Pi2 BPSK	135	138	20.33			21.5	0.5
100	Pi2 BPSK	270	0	19.37				
100	QPSK	1	1	20.39				
100	QPSK	1	137	20.34			22.0	0.0
100	QPSK	1	271	20.31				
100	QPSK	135	0	20.09				
100	QPSK	135	60	20.36			22.0	0.0
100	QPSK	135	138	20.03				
100	QPSK	270	0	20.03			21.0	1.0
100	16QAM	1	1	19.08				
100	16QAM	1	1	17.45			19.5	2.5
100	256QAM	1	1	15.58			17.5	4.5
Channel								
Frequency (MHz)				633000	633334	633666	Turn-up time	MPR
90	Pi2 BPSK	1	1	34.54	3500.01	3500.01	22.0	0.0
90	Pi2 BPSK	1	1	20.38	20.34	20.35	22.0	0.0
Channel								
Frequency (MHz)				630668	633334	634000	Turn-up time	MPR
80	Pi2 BPSK	1	1	34.60	3500.01	3510	22.0	0.0
80	Pi2 BPSK	1	1	20.39	20.45	20.38	22.0	0.0
80	Pi2 BPSK	1	1	630634	633334	633832	Turn-up time	MPR
Frequency (MHz)				3465.01	3500.01	3514.08	22.0	0.0
70	Pi2 BPSK	1	1	20.29	20.42	20.32	22.0	0.0
70	Pi2 BPSK	1	1	630603	633334	633866	Turn-up time	MPR
Frequency (MHz)				3480	3500.01	3519.98	22.0	0.0
60	Pi2 BPSK	1	1	25.38	25.35	20.34	22.0	0.0
60	Pi2 BPSK	1	1	631668	633334	633000	Turn-up time	MPR
60	Pi2 BPSK	1	1	3475.00	3500.01	3505	22.0	0.0
50	Pi2 BPSK	1	1	20.30	20.38	20.34	22.0	0.0
50	Pi2 BPSK	1	1	631334	633334	635332	Turn-up time	MPR
40	Pi2 BPSK	1	1	34.61	3500.01	3508.98	22.0	0.0
40	Pi2 BPSK	1	1	20.31	20.37	20.35	22.0	0.0
40	Pi2 BPSK	1	1	631000	633334	636666	Turn-up time	MPR
30	Pi2 BPSK	1	1	20.38	20.38	20.40	22.0	0.0
30	Pi2 BPSK	1	1	630634	633334	633832	Turn-up time	MPR
25	Pi2 BPSK	1	1	34.62	3500.01	3537.48	22.0	0.0
25	Pi2 BPSK	1	1	20.29	20.44	20.37	22.0	0.0
25	Pi2 BPSK	1	1	630668	633334	633000	Turn-up time	MPR
Frequency (MHz)				3460.02	3500.01	3540	22.0	0.0
20	Pi2 BPSK	1	1	20.36	20.43	20.34	22.0	0.0
20	Pi2 BPSK	1	1	630603	633334	633866	Turn-up time	MPR
20	Pi2 BPSK	1	1	3457.5	3500.01	3542.49	22.0	0.0
15	Pi2 BPSK	1	1	20.36	20.45	20.32	22.0	0.0
15	Pi2 BPSK	1	1	630634	633334	633832	Turn-up time	MPR
10	Pi2 BPSK	1	1	34.63	3500.01	3543.88	22.0	0.0
10	Pi2 BPSK	1	1	20.29	20.41	20.32	22.0	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	PI2 BPSK	1	1	3705	3640	3740	22.0	0.0
100	PI2 BPSK	1	137	20.55	20.50	20.53		
100	PI2 BPSK	1	271	20.26	20.40	20.14		
100	PI2 BPSK	135	0	20.37	20.30	20.17		
100	PI2 BPSK	135	66	20.45	20.50	20.46	22.0	0.0
100	PI2 BPSK	135	138	20.31	20.44	20.18	21.5	0.5
100	PI2 BPSK	270	0	20.52	20.61	20.43	22.0	0.0
100	QPSK	1	1	20.06	20.28	20.20		
100	QPSK	1	137	20.16	20.33	20.18		
100	QPSK	1	271	19.95	19.90	19.97		
100	QPSK	135	0	20.18	20.32	20.16	22.0	0.0
100	QPSK	135	66	20.24	20.36	20.15		
100	QPSK	135	138	20.15	20.12	20.20		
100	QPSK	270	0	20.23	20.35	20.05		
100	16QAM	1	1	19.43	19.59	19.38	21.0	1.0
100	8QAM	1	1	17.67	17.66	17.85	19.5	2.5
100	256QAM	1	1	15.43	15.71	15.81	17.5	4.5
Channel								
Frequency (MHz)								
90	PI2 BPSK	1	1	3745.02	3640	3694.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	PI2 BPSK	1	1	3740.01	3640	3699.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	PI2 BPSK	1	1	3735	3640	3645	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	PI2 BPSK	1	1	3730.39	3640	3649	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	3725.01	3640	3654.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	3720.38	3640	3660	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	3715.02	3640.00	3664.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	3712.25	3640.00	3667.50	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	3710.01	3640	3669.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	3707.25	3640	3672.48	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	3705	3640	3675	Tune-up limit (dBm)	MPR (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	PI2 BPSK	1	1	23.79	23.83	23.76	25.5	0.0
100	PI2 BPSK	1	137	23.85				
100	PI2 BPSK	1	271	23.78				
100	PI2 BPSK	135	0	23.38				
100	PI2 BPSK	135	66	23.81			25.0	0.5
100	PI2 BPSK	135	138	23.55			25.0	0.5
100	PI2 BPSK	270	0	23.51			25.5	0.0
100	QPSK	1	1	23.69				
100	QPSK	1	137	23.73				
100	QPSK	1	271	23.77				
100	QPSK	135	0	23.66			25.5	0.0
100	QPSK	135	66	23.76				
100	QPSK	135	138	23.68				
100	QPSK	270	0	22.81			24.5	1.0
100	16QAM	1	1	22.68			24.5	1.0
100	8QAM	1	1	21.31			21.0	2.5
100	256QAM	1	1	19.25			21.0	4.5
Channel								
Frequency (MHz)								
90	PI2 BPSK	1	1	23.79	23.83	23.76	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	PI2 BPSK	1	1	23.74	23.82	23.76	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	PI2 BPSK	1	1	23.77	23.79	23.77	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	PI2 BPSK	1	1	23.81	23.82	23.80	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	23.79	23.86	23.74	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	23.81	23.87	23.73	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	23.77	23.88	23.81	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	23.79	23.82	23.79	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	23.76	23.85	23.80	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	23.75	23.80	23.73	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	23.79	23.85	23.71	Tune-up limit (dBm)	MPR (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	PI2 BPSK	1	1	23.70	23.80	24.11	25.5	0.0
100	PI2 BPSK	1	137	23.87	23.99	24.10		
100	PI2 BPSK	1	271	23.65	24.02	23.99		
100	PI2 BPSK	135	0	23.88	23.83	24.04		
100	PI2 BPSK	135	66	23.88	24.10	24.02	25.0	0.5
100	PI2 BPSK	135	138	23.81	23.90	24.06	25.0	0.5
100	PI2 BPSK	270	0	23.91	24.03	24.01	25.5	0.0
100	QPSK	1	1	23.70	23.83	23.84		
100	QPSK	1	137	23.94	24.01	23.94		
100	QPSK	1	271	23.94	24.03	23.85		
100	QPSK	135	0	23.53	23.56	23.49	25.5	0.0
100	QPSK	135	66	23.59	23.58	24.00		
100	QPSK	135	138	23.46	23.56	23.48		
100	QPSK	270	0	23.42	23.57	23.48		
100	16QAM	1	1	22.48	22.49	22.49	24.5	1.0
100	8QAM	1	1	21.05	21.03	21.08	23.0	2.5
100	256QAM	1	1	19.00	19.02	19.01	21.0	4.5
Channel								
Frequency (MHz)								
90	PI2 BPSK	1	1	23.99	24.03	23.96	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	PI2 BPSK	1	1	23.92	24.05	23.96	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	PI2 BPSK	1	1	23.95	24.07	23.91	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	PI2 BPSK	1	1	24.00	24.01	23.90	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	23.99	24.05	23.93	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	23.92	24.00	23.91	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	23.93	24.03	23.93	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	23.92	24.02	23.96	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	23.99	24.08	23.89	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	24.01	24.01	23.94	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	23.92	24.04	23.94	Tune-up limit (dBm)	MPR (dB)



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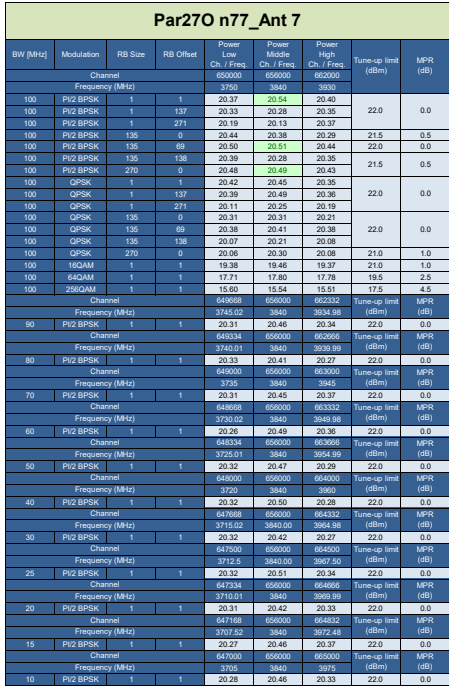
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	24.10	3500.01			
100	Pi2 BPSK	1	137	23.97			25.0	0.0
100	Pi2 BPSK	1	271	23.88				
100	Pi2 BPSK	135	0	23.97			24.5	0.5
100	Pi2 BPSK	135	66	23.98			25.0	0.0
100	Pi2 BPSK	135	138	23.75			24.5	0.5
100	Pi2 BPSK	270	0	23.97				
100	QPSK	1	1	23.63				
100	QPSK	1	137	23.76			25.0	0.0
100	QPSK	1	271	23.55				
100	QPSK	135	0	23.77				
100	QPSK	135	66	23.78			25.0	0.0
100	QPSK	135	138	23.65				
100	QPSK	270	0	23.82			24.0	1.0
100	16QAM	1	1	22.97			24.0	1.0
100	64QAM	1	1	21.90			22.5	2.5
100	256QAM	1	1	19.51			20.5	4.5
Channel								
Frequency (MHz)								
90	Pi2 BPSK	1	1	24.02	24.03	23.92	25.0	0.0
Channel								
Frequency (MHz)								
80	Pi2 BPSK	1	1	24.00	24.03	23.92	25.0	0.0
Channel								
Frequency (MHz)								
70	Pi2 BPSK	1	1	24.01	23.99	23.96	25.0	0.0
Channel								
Frequency (MHz)								
60	Pi2 BPSK	1	1	23.98	24.00	23.95	25.0	0.0
Channel								
Frequency (MHz)								
50	Pi2 BPSK	1	1	23.99	24.06	23.90	25.0	0.0
Channel								
Frequency (MHz)								
40	Pi2 BPSK	1	1	24.00	24.02	23.95	25.0	0.0
Channel								
Frequency (MHz)								
30	Pi2 BPSK	1	1	23.95	23.98	23.91	25.0	0.0
Channel								
Frequency (MHz)								
25	Pi2 BPSK	1	1	23.97	24.01	23.93	25.0	0.0
Channel								
Frequency (MHz)								
20	Pi2 BPSK	1	1	23.98	24.04	24.00	25.0	0.0
Channel								
Frequency (MHz)								
15	Pi2 BPSK	1	1	23.92	24.07	23.94	25.0	0.0
Channel								
Frequency (MHz)								
10	Pi2 BPSK	1	1	23.93	24.04	23.95	25.0	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	Pi2 BPSK	1	1	24.13	3447	3382		
100	Pi2 BPSK	1	137	24.12	23.66	23.74	25.0	0.0
100	Pi2 BPSK	1	271	23.74	23.43	23.76		
100	Pi2 BPSK	135	0	24.00	23.79	23.43	24.5	0.5
100	Pi2 BPSK	135	66	24.01	24.05	23.76	25.0	0.0
100	Pi2 BPSK	135	138	23.68	23.72	23.80	24.5	0.5
100	Pi2 BPSK	270	0	23.95	23.99	23.80		
100	QPSK	1	1	23.80	23.86	23.78		
100	QPSK	1	137	23.75	23.88	23.78	25.0	0.0
100	QPSK	1	271	23.54	23.68	23.54		
100	QPSK	135	0	23.45	23.49	23.47		
100	QPSK	135	66	23.97	24.04	23.91	25.0	0.0
100	QPSK	135	138	23.13	23.29	23.12		
100	QPSK	270	0	23.26	23.43	23.34	24.0	1.0
100	16QAM	1	1	22.70	22.79	22.73	24.0	1.0
100	64QAM	1	1	21.10	21.15	21.07	22.5	2.5
100	256QAM	1	1	18.46	18.55	18.51	20.5	4.5
Channel								
Frequency (MHz)								
90	Pi2 BPSK	1	1	24.04	24.12	23.69	25.0	0.0
Channel								
Frequency (MHz)								
80	Pi2 BPSK	1	1	24.04	24.12	23.75	25.0	0.0
Channel								
Frequency (MHz)								
70	Pi2 BPSK	1	1	24.04	24.10	23.76	25.0	0.0
Channel								
Frequency (MHz)								
60	Pi2 BPSK	1	1	24.03	24.08	23.76	25.0	0.0
Channel								
Frequency (MHz)								
50	Pi2 BPSK	1	1	24.08	24.05	23.73	25.0	0.0
Channel								
Frequency (MHz)								
40	Pi2 BPSK	1	1	24.08	24.04	23.74	25.0	0.0
Channel								
Frequency (MHz)								
30	Pi2 BPSK	1	1	24.02	24.07	23.70	25.0	0.0
Channel								
Frequency (MHz)								
25	Pi2 BPSK	1	1	24.00	24.11	23.70	25.0	0.0
Channel								
Frequency (MHz)								
20	Pi2 BPSK	1	1	24.07	24.08	23.77	25.0	0.0
Channel								
Frequency (MHz)								
15	Pi2 BPSK	1	1	24.02	24.05	23.75	25.0	0.0
Channel								
Frequency (MHz)								
10	Pi2 BPSK	1	1	24.00	24.08	23.70	25.0	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	Pi2 BPSK	1	1	3469	633334	633331		
100	Pi2 BPSK	1	137		20.45		22.0	0.0
100	Pi2 BPSK	1	271		20.33			
100	Pi2 BPSK	135	0		20.45		21.5	0.5
100	Pi2 BPSK	135	66		20.48		22.0	0.0
100	Pi2 BPSK	135	138		20.38		21.5	0.5
100	Pi2 BPSK	270	0		20.38			
100	QPSK	1	1		20.16			
100	QPSK	1	137		20.32		22.0	0.0
100	QPSK	1	271		20.40			
100	QPSK	135	0		20.19			
100	QPSK	135	66		20.29		22.0	0.0
100	QPSK	135	138		20.12			
100	QPSK	270	0		20.16		21.0	1.0
100	16QAM	1	1		19.07		21.0	1.0
100	64QAM	1	1		17.96		19.5	2.5
100	256QAM	1	1		15.91		17.5	4.5
Channel								
Frequency (MHz)								
90	Pi2 BPSK	1	1	20.43	3500.01	3500.04	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	Pi2 BPSK	1	1	20.43	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	Pi2 BPSK	1	1	20.44	3500.01	3520	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	Pi2 BPSK	1	1	20.45	3500.01	3530	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	Pi2 BPSK	1	1	20.46	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	Pi2 BPSK	1	1	20.47	3500.01	3550	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	Pi2 BPSK	1	1	20.48	3500.01	3560	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	Pi2 BPSK	1	1	20.49	3500.01	3570	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	Pi2 BPSK	1	1	20.50	3500.01	3580	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	Pi2 BPSK	1	1	20.51	3500.01	3590	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	Pi2 BPSK	1	1	20.52	3500.01	3600	Tune-up limit (dBm)	MPR (dB)



Part27Q n78_Ant 4 PC3								
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								
Frequency (MHz)				3500.01				
100	P2/ BPSK	1	1	18.14	18.22		20.0	0.0
100	P2/ BPSK	1	137	18.22	18.22		20.0	0.0
100	P2/ BPSK	1	271	18.26	18.26		20.0	0.0
100	P2/ BPSK	135	0	18.35	18.35		20.0	0.0
100	P2/ BPSK	135	69	18.38	18.38		20.0	0.0
100	P2/ BPSK	135	135	18.38	18.38		20.0	0.0
100	P2/ BPSK	270	0	18.25	18.25		20.0	0.0
100	QPSK	1	1	18.13	18.13		20.0	0.0
100	QPSK	1	137	18.20	18.20		20.0	0.0
100	QPSK	1	271	18.23	18.23		20.0	0.0
100	QPSK	135	0	18.28	18.28		20.0	0.0
100	QPSK	135	69	18.30	18.30		20.0	0.0
100	QPSK	135	135	18.30	18.30		20.0	0.0
100	QPSK	270	0	18.29	18.29		20.0	0.0
100	16QAM	1	1	18.41	18.41		20.0	0.0
100	16QAM	1	137	18.46	18.46		20.0	0.0
100	256QAM	1	1	17.99	17.99		18.0	2.0
Channel				633000	633334	633668	Turn-up limit (dBm)	MPR
80	P2/ BPSK	1	1	18.05	18.05	18.05	20.0	0.0
Channel				633668	633334	633000	Turn-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510	Turn-up limit (dBm)	MPR
80	P2/ BPSK	1	1	18.27	18.36		20.0	0.0
Channel				634133	633334	633532	Turn-up limit (dBm)	MPR
Frequency (MHz)				3486.01	3500.01	3514.08	Turn-up limit (dBm)	MPR
70	P2/ BPSK	1	1	18.36	18.36	18.27	20.0	0.0
Channel				632200	633334	633919	Turn-up limit (dBm)	MPR
Frequency (MHz)				3492.00	3500.01	3519.99	Turn-up limit (dBm)	MPR
60	P2/ BPSK	1	1	18.27	18.41	18.20	20.0	0.0
Channel				631668	633334	632800	Turn-up limit (dBm)	MPR
Frequency (MHz)				3475.00	3500.01	3525	Turn-up limit (dBm)	MPR
50	P2/ BPSK	1	1	18.27	18.38	18.27	20.0	0.0
Channel				631334	633334	633532	Turn-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3520.86	Turn-up limit (dBm)	MPR
40	P2/ BPSK	1	1	18.32	18.36	18.20	20.0	0.0
Channel				631000	633334	633668	Turn-up limit (dBm)	MPR
Frequency (MHz)				3465.00	3500.01	3534.49	Turn-up limit (dBm)	MPR
30	P2/ BPSK	1	1	18.38	18.32	18.28	20.0	0.0
Channel				630934	633334	633032	Turn-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.48	Turn-up limit (dBm)	MPR
25	P2/ BPSK	1	1	18.36	18.37	18.26	20.0	0.0
Channel				630668	633334	633200	Turn-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540	Turn-up limit (dBm)	MPR
20	P2/ BPSK	1	1	18.32	18.40	18.28	20.0	0.0
Channel				630334	633334	633532	Turn-up limit (dBm)	MPR
Frequency (MHz)				3457.50	3500.01	3542.49	Turn-up limit (dBm)	MPR
15	P2/ BPSK	1	1	18.28	18.38	18.28	20.0	0.0
Channel				630334	633334	633032	Turn-up limit (dBm)	MPR
Frequency (MHz)				3454.81	3500.01	3544.88	Turn-up limit (dBm)	MPR
10	P2/ BPSK	1	1	18.34	18.40	18.24	20.0	0.0

Part270 n78_Ant 4 PC3								
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)			3760	3760			
100	Pi2 BPSK	1	1	18.58	18.58			
100	Pi2 BPSK	1	137	18.57			20.0	0.0
100	Pi2 BPSK	1	271	18.53				
100	Pi2 BPSK	136	0	18.63			20.0	0.0
100	Pi2 BPSK	136	69	18.66			20.0	0.0
100	Pi2 BPSK	136	138	18.63			20.0	0.0
100	Pi2 BPSK	270	0	18.65				
100	QPSK	1	1	18.45				
100	QPSK	1	137	18.57			20.0	0.0
100	QPSK	1	271	18.51				
100	QPSK	136	0	18.58				
100	QPSK	136	69	18.62			20.0	0.0
100	QPSK	136	138	18.63			20.0	0.0
100	QPSK	270	0	18.58			20.0	0.0
100	MSK11	1	1	18.25			20.0	0.0
100	MSK11	1	137	18.23			20.0	0.0
100	256QAM	1	1	18.38			18.0	2.0
Channel								
	Frequency (MHz)			469688	469688	469332	Tune-up limit (dbm)	MPR (db)
80	Pi2 BPSK	1	1	18.55	18.55	18.51	20.0	0.0
Channel								
	Frequency (MHz)			468334	468334	469086	Tune-up limit (dbm)	MPR (db)
80	Pi2 BPSK	1	1	18.55	18.55	18.51	20.0	0.0
Channel								
	Frequency (MHz)			3735	3760	3765	Tune-up limit (dbm)	MPR (db)
70	Pi2 BPSK	1	1	18.52	18.55	18.54	20.0	0.0
Channel								
	Frequency (MHz)			3735.02	3760.03	3763.98	Tune-up limit (dbm)	MPR (db)
40	Pi2 BPSK	1	1	18.55	18.60	18.50	20.0	0.0
Channel								
	Frequency (MHz)			468334	468334	469166	Tune-up limit (dbm)	MPR (db)
50	Pi2 BPSK	1	1	18.54	18.63	18.48	20.0	0.0
Channel								
	Frequency (MHz)			468005	468005	469000	Tune-up limit (dbm)	MPR (db)
40	Pi2 BPSK	1	1	18.58	18.61	18.53	20.0	0.0
Channel								
	Frequency (MHz)			467968	468000	469232	Tune-up limit (dbm)	MPR (db)
30	Pi2 BPSK	1	1	18.53	18.58	18.57	20.0	0.0
Channel								
	Frequency (MHz)			467500	468000	469200	Tune-up limit (dbm)	MPR (db)
25	Pi2 BPSK	1	1	18.59	18.64	18.52	20.0	0.0
Channel								
	Frequency (MHz)			3761.61	3761.61	3768.99	Tune-up limit (dbm)	MPR (db)
20	Pi2 BPSK	1	1	18.58	18.64	18.56	20.0	0.0
Channel								
	Frequency (MHz)			3707.52	3750	3792.48	Tune-up limit (dbm)	MPR (db)
15	Pi2 BPSK	1	1	18.51	18.57	18.49	20.0	0.0
Channel								
	Frequency (MHz)			467905	468000	469300	Tune-up limit (dbm)	MPR (db)
10	Pi2 BPSK	1	1	18.53	18.62	18.48	20.0	0.0

Part27Q n78_Ant 5 PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	3495	3500.01	3504.98	23.5	0.0
100	Pi2 BPSK	1	137	21.68	21.68	21.68		
100	Pi2 BPSK	1	271	21.71	21.71	21.71		
100	Pi2 BPSK	135	0	21.78	21.78	21.78	23.5	0.0
100	Pi2 BPSK	135	69	21.86	21.86	21.86	23.5	0.0
100	Pi2 BPSK	135	138	21.74	21.74	21.74	23.5	0.0
100	Pi2 BPSK	270	0	21.78	21.78	21.78	23.5	0.0
100	QPSK	1	1	21.81	21.81	21.81	23.5	0.0
100	QPSK	1	137	21.68	21.68	21.68		
100	QPSK	1	271	21.63	21.63	21.63		
100	QPSK	135	0	21.79	21.79	21.79	23.5	0.0
100	QPSK	135	69	21.81	21.81	21.81		
100	QPSK	135	138	21.68	21.68	21.68		
100	QPSK	270	0	21.72	21.72	21.72	23.5	0.0
100	16QAM	1	1	21.36	21.36	21.36	23.5	0.0
100	64QAM	1	1	21.45	21.45	21.45	23.5	0.0
100	256QAM	1	1	20.48	20.48	20.48	22.0	1.5
Channel								
Frequency (MHz)								
90	Pi2 BPSK	1	1	21.85	21.85	21.84	23.5	0.0
Channel								
Frequency (MHz)								
80	Pi2 BPSK	1	1	21.87	21.92	21.79	23.5	0.0
Channel								
Frequency (MHz)								
70	Pi2 BPSK	1	1	21.84	21.95	21.88	23.5	0.0
Channel								
Frequency (MHz)								
60	Pi2 BPSK	1	1	21.81	21.89	21.88	23.5	0.0
Channel								
Frequency (MHz)								
50	Pi2 BPSK	1	1	21.82	21.89	21.88	23.5	0.0
Channel								
Frequency (MHz)								
40	Pi2 BPSK	1	1	21.80	21.84	21.83	23.5	0.0
Channel								
Frequency (MHz)								
30	Pi2 BPSK	1	1	21.80	21.94	21.78	23.5	0.0
Channel								
Frequency (MHz)								
25	Pi2 BPSK	1	1	21.85	21.90	21.85	23.5	0.0
Channel								
Frequency (MHz)								
20	Pi2 BPSK	1	1	21.84	21.94	21.80	23.5	0.0
Channel								
Frequency (MHz)								
15	Pi2 BPSK	1	1	21.85	21.93	21.83	23.5	0.0
Channel								
Frequency (MHz)								
10	Pi2 BPSK	1	1	21.90	21.95	21.80	23.5	0.0

Part27O n78_Ant 5 PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	22.03	22.03	22.03	23.5	0.0
100	Pi2 BPSK	1	137	22.01	22.01	22.01		
100	Pi2 BPSK	1	271	22.00	22.00	22.00		
100	Pi2 BPSK	135	0	22.00	22.00	22.00	23.5	0.0
100	Pi2 BPSK	135	69	22.02	22.02	22.02	23.5	0.0
100	Pi2 BPSK	135	138	21.98	21.98	21.98	23.5	0.0
100	Pi2 BPSK	270	0	22.00	22.00	22.00	23.5	0.0
100	QPSK	1	1	21.86	21.86	21.86	23.5	0.0
100	QPSK	1	137	22.01	22.01	22.01		
100	QPSK	1	271	21.97	21.97	21.97		
100	QPSK	135	0	22.00	22.00	22.00	23.5	0.0
100	QPSK	135	69	21.87	21.87	21.87		
100	QPSK	135	138	21.98	21.98	21.98		
100	QPSK	270	0	21.91	21.91	21.91	23.5	0.0
100	16QAM	1	1	21.64	21.64	21.64	23.5	0.0
100	64QAM	1	1	21.80	21.80	21.80	23.5	0.0
100	256QAM	1	1	20.85	20.85	20.85	22.0	1.5
Channel								
Frequency (MHz)								
90	Pi2 BPSK	1	1	21.85	21.84	21.85	23.5	0.0
Channel								
Frequency (MHz)								
80	Pi2 BPSK	1	1	21.85	21.95	21.88	23.5	0.0
Channel								
Frequency (MHz)								
70	Pi2 BPSK	1	1	21.89	21.93	21.89	23.5	0.0
Channel								
Frequency (MHz)								
60	Pi2 BPSK	1	1	21.93	21.95	21.85	23.5	0.0
Channel								
Frequency (MHz)								
50	Pi2 BPSK	1	1	21.91	21.97	21.88	23.5	0.0
Channel								
Frequency (MHz)								
40	Pi2 BPSK	1	1	21.88	21.84	21.87	23.5	0.0
Channel								
Frequency (MHz)								
30	Pi2 BPSK	1	1	21.87	21.93	21.83	23.5	0.0
Channel								
Frequency (MHz)								
25	Pi2 BPSK	1	1	21.92	21.92	21.92	23.5	0.0
Channel								
Frequency (MHz)								
20	Pi2 BPSK	1	1	21.90	21.90	21.88	23.5	0.0
Channel								
Frequency (MHz)								
15	Pi2 BPSK	1	1	21.85	21.84	21.83	23.5	0.0
Channel								
Frequency (MHz)								
10	Pi2 BPSK	1	1	21.94	21.95	21.87	23.5	0.0

Part27Q n78_Ant 6 PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	22.03	22.03	22.03	23.0	0.0
100	Pi2 BPSK	1	137	21.83	21.83	21.83		
100	Pi2 BPSK	1	271	21.95	21.95	21.95		
100	Pi2 BPSK	135	0	21.99	21.99	21.99	23.0	0.0
100	Pi2 BPSK	135	69	22.02	22.02	22.02	23.0	0.0
100	Pi2 BPSK	135	138	22.01	22.01	22.01	23.0	0.0
100	Pi2 BPSK	270	0	21.95	21.95	21.95	23.0	0.0
100	QPSK	1	1	21.86	21.86	21.86	23.0	0.0
100	QPSK	1	137	21.87	21.87	21.87		
100	QPSK	1	271	21.85	21.85	21.85		
100	QPSK	135	0	21.93	21.93	21.93	23.0	0.0
100	QPSK	135	69	21.94	21.94	21.94		
100	QPSK	135	138	21.94	21.94	21.94		
100	QPSK	270	0	21.90	21.90	21.90	23.0	0.0
100	16QAM	1	1	21.92	21.92	21.92	23.0	0.0
100	64QAM	1	1	21.91	21.91	21.91	23.0	0.0
100	256QAM	1	1	21.11	21.11	21.11	21.5	1.5
Channel								
Frequency (MHz)								
90	Pi2 BPSK	1	1	21.86	21.99	21.89	23.0	0.0
Channel								
Frequency (MHz)								
80	Pi2 BPSK	1	1	21.89	21.97	21.85	23.0	0.0
Channel								
Frequency (MHz)								
70	Pi2 BPSK	1	1	21.86	21.99	21.83	23.0	0.0
Channel								
Frequency (MHz)								
60	Pi2 BPSK	1	1	21.92	21.95	21.87	23.0	0.0
Channel								
Frequency (MHz)								
50	Pi2 BPSK	1	1	21.85	21.91	21.84	23.0	0.0
Channel								
Frequency (MHz)								
40	Pi2 BPSK	1	1	21.93	21.98	21.89	23.0	0.0
Channel								
Frequency (MHz)								
30	Pi2 BPSK	1	1	21.87	21.96	21.83	23.0	0.0
Channel								
Frequency (MHz)								
25	Pi2 BPSK	1	1	21.89	21.96	21.82	23.0	0.0
Channel								
Frequency (MHz)								
20	Pi2 BPSK	1	1	21.86	21.99	21.83	23.0	0.0
Channel								
Frequency (MHz)								
15	Pi2 BPSK	1	1	21.90	21.97	21.92	23.0	0.0
Channel								
Frequency (MHz)								
10	Pi2 BPSK	1	1	21.92	21.90	21.83	23.0	0.0

Part270 n78_Ant 6 PC3									
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									
Frequency (MHz)				3750					
100	P1/2 BPSK	1	1	21.80	21.80				
100	P1/2 BPSK	1	137	21.87	21.88		23.0	0.0	
Channel									
100	P1/2 BPSK	135	0	21.67	21.67				
100	P1/2 BPSK	135	21	21.69	21.68		23.0	0.0	
Channel									
100	P1/2 BPSK	135	138	21.81	21.81				
100	P1/2 BPSK	270	0	21.91	21.91		23.0	0.0	
Channel									
100	QPSK	1	1	21.84	21.84				
100	QPSK	1	137	21.80	21.72		23.0	0.0	
Channel									
100	QPSK	1	271	21.71	21.71				
100	QPSK	135	0	21.71	21.71				
100	QPSK	135	138	21.69	21.68		23.0	0.0	
100	QPSK	135	138	21.85	21.85				
Channel									
100	QPSK	270	0	21.88	21.88		23.0	0.0	
100	16QAM	1	1	21.89	21.89				
100	16QAM	1	1	21.84	21.84		23.0	0.0	
Channel									
100	256QAM	1	1	21.88	21.88		21.5	1.5	
Channel									
Frequency (MHz)				649688	650000	650332	Turn-up limit (dBm)	MPR (dB)	
90	P1/2 BPSK	1	1	21.87	21.94	21.83	23.0	0.0	
Channel									
Frequency (MHz)				3745.01	3750	3759.99	Turn-up limit (dBm)	MPR (dB)	
80	P1/2 BPSK	1	1	21.90	21.81	21.80	23.0	0.0	
Channel									
Frequency (MHz)				650000	650300	650600	Turn-up limit (dBm)	MPR (dB)	
70	P1/2 BPSK	1	1	21.88	21.94	21.82	23.0	0.0	
Channel									
Frequency (MHz)				3750	3755	3765	Turn-up limit (dBm)	MPR (dB)	
70	P1/2 BPSK	1	1	21.89	21.94	21.82	23.0	0.0	
Channel									
Frequency (MHz)				3760.02	3759	3769.98	Turn-up limit (dBm)	MPR (dB)	
60	P1/2 BPSK	1	1	21.88	21.94	21.87	23.0	0.0	
Channel									
Frequency (MHz)				649688	650000	651886	Turn-up limit (dBm)	MPR (dB)	
50	P1/2 BPSK	1	1	21.83	21.88	21.88	23.0	0.0	
Channel									
Frequency (MHz)				650000	650500	652000	Turn-up limit (dBm)	MPR (dB)	
50	P1/2 BPSK	1	1	21.83	21.88	21.88	23.0	0.0	
Channel									
Frequency (MHz)				3750	3755	3765	Turn-up limit (dBm)	MPR (dB)	
40	P1/2 BPSK	1	1	21.92	21.96	21.88	23.0	0.0	
Channel									
Frequency (MHz)				647668	650000	652532	Turn-up limit (dBm)	MPR (dB)	
30	P1/2 BPSK	1	1	21.89	21.94	21.86	23.0	0.0	
Channel									
Frequency (MHz)				3751.02	3750.70	3751.30	Turn-up limit (dBm)	MPR (dB)	
30	P1/2 BPSK	1	1	21.89	21.94	21.86	23.0	0.0	
Channel									
Frequency (MHz)				647500	650000	652500	Turn-up limit (dBm)	MPR (dB)	
25	P1/2 BPSK	1	1	21.88	21.92	21.83	23.0	0.0	
Channel									
Frequency (MHz)				3751.25	3750.25	3752.25	Turn-up limit (dBm)	MPR (dB)	
20	P1/2 BPSK	1	1	21.87	21.95	21.88	23.0	0.0	
Channel									
Frequency (MHz)				3750.75	3750		Turn-up limit (dBm)	MPR (dB)	
15	P1/2 BPSK	135	1	21.89	21.93	21.89	23.0	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Turn-up limit (dBm)	MPR (dB)	
10	P1/2 BPSK	1	1	21.90	21.90	21.86	23.0	0.0	
10	P1/2 BPSK	1	1	21.84	21.85	21.88	23.0	0.0	

Part27Q n78_Ant 7 PC3								
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								
Frequency (MHz)				3500.01				
100	PSS BPSK	1	1	18.34	18.34			
100	PSS BPSK	1	137	18.15	18.15	20.0	0.0	
100	PSS BPSK	1	271	18.20	18.20			
100	PSS BPSK	135	0	18.30	18.30	20.0	0.0	
100	PSS BPSK	135	69	18.37	18.37	20.0	0.0	
100	PSS BPSK	135	138	18.26	18.26	20.0	0.0	
100	PSS BPSK	270	0	18.31	18.31	20.0	0.0	
100	QPSK	1	1	18.38	18.38			
100	QPSK	1	137	18.14	18.14	20.0	0.0	
100	QPSK	1	271	18.15	18.15			
100	QPSK	135	0	18.23	18.23	20.0	0.0	
100	QPSK	135	69	18.27	18.27	20.0	0.0	
100	QPSK	135	138	18.20	18.20	20.0	0.0	
100	QPSK	270	0	18.22	18.22	20.0	0.0	
100	16QAM	1	1	19.30	19.30	20.0	0.0	
100	16QAM	1	137	18.28	18.28	20.0	0.0	
100	256QAM	1	1	17.49	17.49	18.5	1.5	
Channel				633000	633334	633666	Turn-up limit	MPR
Frequency (MHz)				3500.01	3500.01	3504.99	(dBm)	(dB)
90	PSS BPSK	1	1	18.35	18.37	18.20	0.0	
Channel				636668	633334	634000	Turn-up limit	MPR
Frequency (MHz)				3500.02	3500.01	3501.00	(dBm)	(dB)
80	PSS BPSK	1	1	18.30	18.30	18.20	0.0	
Channel				633334	633334	633332	Turn-up limit	MPR
Frequency (MHz)				3486.01	3500.01	3514.08	(dBm)	(dB)
70	PSS BPSK	1	1	18.37	18.43	18.27	20.0	0.0
Channel				632000	633334	633999	Turn-up limit	MPR
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	1.5
60	PSS BPSK	1	1	18.30	18.33	18.34	20.0	0.0
Channel				631668	633334	633000	Turn-up limit	MPR
Frequency (MHz)				3475.00	3500.01	3505.00	(dBm)	0.0
50	PSS BPSK	1	1	18.33	18.35	18.32	20.0	0.0
Channel				631334	633334	633532	Turn-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	0.0
40	PSS BPSK	1	1	18.33	18.33	18.27	20.0	0.0
Channel				631000	633334	633666	Turn-up limit	MPR
Frequency (MHz)				3465.01	3500.01	3534.99	(dBm)	0.0
30	PSS BPSK	1	1	18.31	18.38	18.27	20.0	0.0
Channel				630834	633334	633632	Turn-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)	0.0
25	PSS BPSK	1	1	18.31	18.34	18.28	20.0	0.0
Channel				630666	633334	633000	Turn-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540.00	(dBm)	1.5
20	PSS BPSK	1	1	18.29	18.43	18.41	20.0	0.0
Channel				632000	633334	633666	Turn-up limit	MPR
Frequency (MHz)				3457.50	3500.01	3542.49	(dBm)	0.0
15	PSS BPSK	1	1	18.29	18.43	18.35	20.0	0.0
Channel				633334	633334	633632	Turn-up limit	MPR
Frequency (MHz)				3446.01	3500.01	3544.88	(dBm)	0.0
10	PSS BPSK	1	1	18.33	18.35	18.32	20.0	0.0

Part270 n78_Ant 7 PC3									
RW (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)				40000	60000	60000			
100	P2	SPSK	1	1	18.67	17.50			
100	P2	SPSK	1	1	18.67	17.50	20.0	0.0	
100	P2	SPSK	1	137	18.49	18.49			
100	P2	SPSK	135	0	18.48	18.48	20.0	0.0	
100	P2	SPSK	135	68	18.48	18.48	20.0	0.0	
100	P2	SPSK	135	138	18.61	18.61	20.0	0.0	
100	P2	SPSK	270	0	18.64	18.64			
100	QPSK	1	1	18.38	18.38				
100	QPSK	1	137	18.42	18.42	20.0	0.0		
100	QPSK	1	271	18.42	18.42				
100	QPSK	135	0	18.54	18.54				
100	QPSK	135	68	18.54	18.54	20.0	0.0		
100	QPSK	135	138	18.57	18.57	20.0	0.0		
100	QPSK	270	0	18.53	18.53	20.0	0.0		
100	16QAM	1	1	18.71	18.71	20.0	0.0		
100	16QAM	1	1	18.71	18.71	20.0	0.0		
100	256QAM	1	1	18.15	18.15	18.5	1.5		
Channel									
Frequency (MHz)				645668	650000	650332	Time-up limit	MPR	
				3742.52	3750.00	3742.58	(dBm)	(dB)	
50	P2	SPSK	1	1	18.57	18.57	18.52	20.0	0.0
Channel									
Frequency (MHz)				649331	650000	650666	Time-up limit	MPR	
				3740.00	3750.00	3750.00	(dBm)	(dB)	
80	P2	SPSK	1	1	18.53	18.53			
80	P2	SPSK	1	18.53	18.53	18.53	20.0	0.0	
Channel									
Frequency (MHz)				649005	650000	651005	Time-up limit	MPR	
				3735	3760	3765	(dBm)	(dB)	
70	P2	SPSK	1	1	18.58	18.57	18.47	20.0	0.0
70	P2	SPSK	1	1	18.58	18.57	18.47	20.0	0.0
Channel									
Frequency (MHz)				3730.50	3750	3769.58	Time-up limit	MPR	
				18.58	18.58	18.58	(dBm)	(dB)	
60	P2	SPSK	1	1	18.58	18.58	18.49	20.0	0.0
Channel									
Frequency (MHz)				649334	650000	651666	Time-up limit	MPR	
				3755.01	3760	3774.99	(dBm)	(dB)	
50	P2	SPSK	1	1	18.53	18.57	18.56	20.0	0.0
Channel									
Frequency (MHz)				649000	650000	652000	Time-up limit	MPR	
				3735	3760	3765	(dBm)	(dB)	
40	P2	SPSK	1	1	18.57	18.57	18.49	20.0	0.0
Channel									
Frequency (MHz)				647968	650000	652332	Time-up limit	MPR	
				3743.52	3750.00	3743.58	(dBm)	(dB)	
30	P2	SPSK	1	1	18.58	18.54	18.50	20.0	0.0
Channel									
Frequency (MHz)				647500	650000	652500	Time-up limit	MPR	
				3742.5	3760.00	3767.5	(dBm)	(dB)	
25	P2	SPSK	1	1	18.50	18.56	18.55	20.0	0.0
25	P2	SPSK	1	1	18.50	18.56	18.55	20.0	0.0
Channel									
Frequency (MHz)				3741.01	3750	3769.99	Time-up limit	MPR	
				18.58	18.58	18.58	(dBm)	(dB)	
20	P2	SPSK	1	1	18.58	18.54	18.49	20.0	0.0
20	P2	SPSK	1	1	18.58	18.54	18.49	20.0	0.0
Channel									
Frequency (MHz)				3730.52	3750	3769.98	Time-up limit	MPR	
				18.58	18.58	18.58	(dBm)	(dB)	
15	P2	SPSK	1	1	18.52	18.60	18.57	20.0	0.0
15	P2	SPSK	1	1	18.52	18.60	18.57	20.0	0.0
Channel									
Frequency (MHz)				647000	650000	653000	Time-up limit	MPR	
				3735	3760	3765	(dBm)	(dB)	
10	P2	SPSK	1	1	18.58	18.61	18.51	20.0	0.0

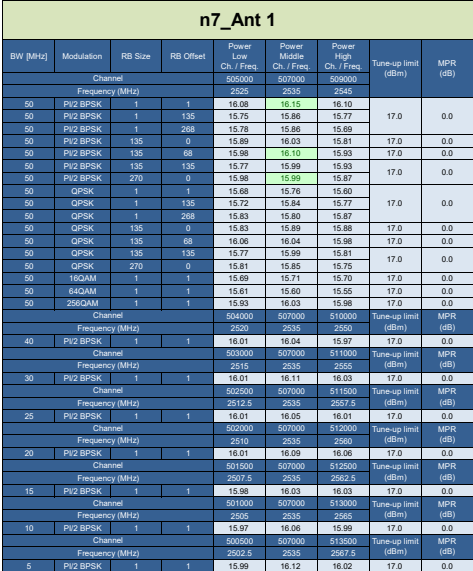


Reduced Power for DS10

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								
Frequency (MHz)								
25	PI2 BPSK	1	1	24.01			25.5	0.0
25	PI2 BPSK	1	65	24.77				
25	PI2 BPSK	1	131	23.85				
25	PI2 BPSK	64	0	24.18			25.0	0.5
25	PI2 BPSK	64	32	24.69			25.5	0.0
25	PI2 BPSK	64	66	23.93			25.0	0.5
25	PI2 BPSK	128	0	24.21				
25	QPSK	1	1	23.96				
25	QPSK	1	65	24.59			25.5	0.0
25	QPSK	1	131	23.82			24.5	1.0
25	QPSK	64	0	23.82				
25	QPSK	64	32	24.58				
25	QPSK	64	66	23.44			24.5	1.0
25	QPSK	128	0	23.65			24.5	1.0
25	16QAM	1	1	23.01			24.5	1.0
25	64QAM	1	1	21.27			23.0	2.5
25	256QAM	1	1	19.41			21.0	4.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.62	24.75	24.58	25.5	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	24.52	24.63	24.52	25.5	0.0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	PI2 BPSK	1	1	24.57	24.62	24.46	25.5	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	24.51	24.66	24.55	25.5	0.0

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	20.88			22.7	0.0
25	PI2 BPSK	1	65	21.47				
25	PI2 BPSK	1	131	20.79				
25	PI2 BPSK	64	0	21.41			22.7	0.0
25	PI2 BPSK	64	32	21.43			22.7	0.0
25	PI2 BPSK	64	66	21.20			22.7	0.0
25	PI2 BPSK	128	0	21.42				
25	QPSK	1	1	20.77				
25	QPSK	1	65	21.45			22.7	0.0
25	QPSK	1	131	20.86			22.7	0.0
25	QPSK	64	0	21.43				
25	QPSK	64	32	21.39				
25	QPSK	64	66	21.12			22.7	0.0
25	QPSK	128	0	21.43			22.7	0.0
25	16QAM	1	1	21.41			22.7	0.0
25	64QAM	1	1	21.21			22.7	0.0
25	256QAM	1	1	21.21			21.2	1.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	21.38	21.35	21.35	22.7	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	21.33	21.35	21.34	22.7	0.0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	PI2 BPSK	1	1	21.38	21.34	21.33	22.7	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	21.33	21.39	21.28	22.7	0.0

n7_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	23.48	23.53	23.47	25.0	0.0
50	PI2 BPSK	1	135	23.36	23.30	23.33		
50	PI2 BPSK	1	268	23.39	23.43	23.21		
50	PI2 BPSK	135	0	23.32	23.30	23.27	24.5	0.5
50	PI2 BPSK	135	68	23.44	23.45	23.37	25.0	0.0
50	PI2 BPSK	135	135	23.43	23.40	23.27	24.5	0.5
50	PI2 BPSK	270	0	23.38	23.52	23.42		
50	QPSK	1	1	23.92	23.15	23.07		
50	QPSK	1	135	23.25	23.43	23.21	25.0	0.0
50	QPSK	1	268	23.32	23.41	23.24	24.0	1.0
50	QPSK	135	0	22.81	22.95	22.83		
50	QPSK	135	68	23.34	23.32	23.37		
50	QPSK	135	135	22.81	23.06	22.91	24.0	1.0
50	QPSK	270	0	22.86	22.92	22.84	24.0	1.0
50	16QAM	1	1	22.80	22.07	22.11	24.0	1.0
50	64QAM	1	1	20.51	20.53	20.63	22.5	2.5
50	256QAM	1	1	18.53	18.59	18.59	20.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	23.17	23.42	23.08	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2554		
30	PI2 BPSK	1	1	23.04	23.31	23.05	25.0	0.0
Channel				502600	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	23.13	23.33	23.15	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.10	23.44	23.09	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	23.08	23.42	23.08	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	23.06	23.40	23.13	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	23.09	23.37	23.05	25.0	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.	Turnup time [dB]	MPR [dB]	
	Channel			346000	349000	350000			
	Frequency (MHz)			1730	1745	1760			
40	PV2 BPSK	1	1	13.35	13.61	13.44			
40	PV2 BPSK	1	108	13.38	13.49	13.28	14.5	0.0	
40	PV2 BPSK	1	214	13.24	13.38	13.12			
40	PV2 BPSK	108	0	13.30	13.47	13.28	14.5	0.0	
40	PV2 BPSK	108	54	13.31	13.50	13.27	14.5	0.0	
40	PV2 BPSK	108	108	13.37	13.45	13.38			
40	PV2 BPSK	216	0	13.30	13.49	13.41	14.5	0.0	
40	QPSK	1	1	13.26	13.35	13.17			
40	QPSK	1	108	13.43	13.46	13.32	14.5	0.0	
40	QPSK	1	214	13.21	13.36	13.24			
40	QPSK	108	0	13.32	13.50	13.41	14.5	0.0	
40	QPSK	108	54	13.34	13.48	13.37	14.5	0.0	
40	QPSK	108	108	13.34	13.48	13.41	14.5	0.0	
40	QPSK	216	0	13.13	13.28	13.05			
40	16QAM	1	1	12.94	13.09	12.96	14.5	0.0	
40	64QAM	1	1	13.01	13.22	12.99	14.5	0.0	
40	256QAM	1	1	13.34	13.54	13.37	14.5	0.0	
	Channel			349000	349000	353000			
	Frequency (MHz)			1725	1745	1765			
30	PV2 BPSK	1	1	13.31	13.56	13.31	14.5	0.0	
	Channel			349000	349000	356500			
	Frequency (MHz)			1722.5	1745	1767.5	Turnup time [dB]	MPR [dB]	
25	PV2 BPSK	1	1	13.29	13.50	13.34	14.5	0.0	
	Channel			349000	349000	354000			
	Frequency (MHz)			1720	1745	1770	Turnup time [dB]	MPR [dB]	
20	PV2 BPSK	1	1	13.33	13.57	13.31	14.5	0.0	
	Channel			349000	349000	354500			
	Frequency (MHz)			1717.5	1745	1772.5	Turn-up time [dB]	MPR [dB]	
15	PV2 BPSK	1	1	13.22	13.58	13.38	14.5	0.0	
	Channel			343000	349000	350000			
	Frequency (MHz)			1715	1745	1775	Turn-up time [dB]	MPR [dB]	
10	PV2 BPSK	1	1	13.30	13.48	13.35	14.5	0.0	
	Channel			342500	349000	350000			
	Frequency (MHz)			1712.5	1745	1777.5	Turn-up time [dB]	MPR [dB]	
5	PV2 BPSK	1	1	13.30	13.53	13.34	14.5	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				345000	346000	350000			
Frequency (MHz)				1720	1745	1760			
40	PV2 BPSK	1	1	21.84	22.09	21.82			
40	PV2 BPSK	1	108	21.92	22.08	21.90	23.5	0.0	
40	PV2 BPSK	1	214	21.86	21.84	21.86			
40	PV2 BPSK	108	0	21.88	21.94	21.85	23.0	0.5	
40	PV2 BPSK	108	54	21.99	22.08	21.98	23.5	0.0	
40	PV2 BPSK	108	108	21.92	21.97	21.85			
40	PV2 BPSK	216	0	21.92	22.04	21.78	23.0	0.5	
40	QPSK	1	1	21.74	21.92	21.78			
40	QPSK	1	108	21.87	21.94	21.88	23.5	0.0	
40	QPSK	1	214	21.64	21.75	21.62			
40	QPSK	108	0	21.70	21.89	21.71	22.5	1.0	
40	QPSK	108	54	21.82	21.95	21.80	23.5	0.0	
40	QPSK	108	108	21.83	21.98	21.91			
40	QPSK	216	0	21.81	21.98	21.81	22.5	1.0	
40	16QAM	1	1	21.48	21.49	21.53	22.5	1.0	
40	64QAM	1	1	20.52	20.54	20.49	21.0	2.5	
40	256QAM	1	1	18.19	18.26	18.23	19.0	4.5	
Channel				345000	346000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PV2 BPSK	1	1	21.77	22.02	21.78	23.5	0.0	
Channel				344500	346000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PV2 BPSK	1	1	21.84	21.89	21.74	23.5	0.0	
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	21.79	21.83	21.82	23.5	0.0	
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	21.80	21.93	21.84	23.5	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	21.74	22.01	21.78	23.5	0.0	
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	21.84	21.91	21.87	23.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	346000	350000			
Frequency (MHz)				1720	1745	1760			
40	PV2 BPSK	1	1	18.69	18.79	18.60			
40	PV2 BPSK	1	108	18.63	18.69	18.58	20.5	0.0	
40	PV2 BPSK	1	214	18.52	18.72	18.63			
40	PV2 BPSK	108	0	18.62	18.74	18.53	20.5	0.0	
40	PV2 BPSK	108	54	18.61	18.75	18.53	20.5	0.0	
40	PV2 BPSK	108	108	18.51	18.60	18.51	20.5	0.0	
40	PV2 BPSK	216	0	18.64	18.69	18.59			
40	QPSK	1	1	18.84	18.77	18.54			
40	QPSK	1	108	18.70	18.68	18.74	20.5	0.0	
40	QPSK	1	214	18.68	18.59	18.63			
40	QPSK	108	0	18.58	18.78	18.76	20.5	0.0	
40	QPSK	108	54	18.65	18.76	18.62	20.5	0.0	
40	QPSK	108	108	18.50	18.52	18.51	20.5	0.0	
40	QPSK	216	0	18.56	18.67	18.75			
40	16QAM	1	1	18.51	18.58	18.53	20.5	0.0	
40	64QAM	1	1	18.47	18.72	18.68	20.5	0.0	
40	256QAM	1	1	17.38	17.66	17.48	19.0	1.5	
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PV2 BPSK	1	1	18.60	18.73	18.54	20.5	0.0	
Channel				344500	346000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PV2 BPSK	1	1	18.58	18.71	18.57	20.5	0.0	
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	18.56	18.76	18.58	20.5	0.0	
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	18.65	18.75	18.61	20.5	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	18.62	18.75	18.61	20.5	0.0	
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	18.59	18.66	18.63	20.5	0.0	



n41_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				508200	518598	530000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	24.04	24.12	24.04	25.5	0.0	
100	PI2 BPSK	1	137	23.88	23.98	23.97			
100	PI2 BPSK	1	271	24.03	24.04	24.08			
100	PI2 BPSK	135	0	23.41	23.54	23.60			
100	PI2 BPSK	135	69	23.98	24.10	24.05	25.0	0.5	
100	PI2 BPSK	135	138	23.57	23.68	23.61	25.0	0.5	
100	PI2 BPSK	270	0	23.80	23.85	23.84			
100	QPSK	1	1	23.84	23.72	23.69			
100	QPSK	1	137	23.95	24.02	23.90			
100	QPSK	1	271	23.90	24.05	23.92	25.5	1.0	
100	QPSK	135	0	22.91	23.01	22.89			
100	QPSK	135	69	23.94	24.05	23.89			
100	QPSK	135	138	23.06	23.12	23.00			
100	QPSK	270	0	22.87	22.97	22.94	25.5	1.0	
100	16QAM	1	1	22.58	22.49	22.52	25.5	1.0	
100	64QAM	1	1	21.15	21.15	21.20	25.5	2.5	
100	256QAM	1	1	19.15	19.24	19.23	25.5	4.5	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	PI2 BPSK	1	1	23.92	23.97	23.98	25.5	0.0	
Channel				507204	518598	529598	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	PI2 BPSK	1	1	23.94	23.99	23.92	25.5	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	PI2 BPSK	1	1	23.90	24.02	23.95	25.5	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	PI2 BPSK	1	1	24.00	24.02	23.90	25.5	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	PI2 BPSK	1	1	23.92	23.96	23.98	25.5	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	PI2 BPSK	1	1	23.92	24.01	23.92	25.5	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	PI2 BPSK	1	1	24.00	24.05	23.98	25.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	PI2 BPSK	1	1	23.94	24.01	23.98	25.5	0.0	
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	PI2 BPSK	1	1	23.94	23.98	23.99	25.5	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	PI2 BPSK	1	1	23.91	23.95	23.93	25.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508200	518598	530000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	16.09	16.14	16.04	17.0	0.0	
100	PI2 BPSK	1	137	15.89	15.88	15.72			
100	PI2 BPSK	1	271	15.62	15.67	15.59			
100	PI2 BPSK	135	0	15.88	16.08	15.84			
100	PI2 BPSK	135	69	15.94	16.09	15.91	17.0	0.0	
100	PI2 BPSK	135	138	16.01	15.92	15.75	17.0	0.0	
100	PI2 BPSK	270	0	16.06	16.06	15.98			
100	QPSK	1	1	15.51	15.54	15.50			
100	QPSK	1	137	15.81	15.90	15.71			
100	QPSK	1	271	15.67	15.68	15.49	17.0	0.0	
100	QPSK	135	0	15.96	15.97	15.78			
100	QPSK	135	69	15.91	16.04	15.80			
100	QPSK	135	138	15.97	15.98	15.73			
100	QPSK	270	0	15.87	15.90	15.78	17.0	0.0	
100	16QAM	1	1	15.84	15.85	15.71	17.0	0.0	
100	64QAM	1	1	15.92	15.94	15.91	17.0	0.0	
100	256QAM	1	1	16.05	16.13	15.76	17.0	0.0	
Channel				508200	518598	538996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	16.04	16.03	15.83	17.0	0.0	
Channel				507204	518598	529598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	15.97	16.05	15.96	17.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	16.08	16.05	15.98	17.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	16.06	16.01	15.94	17.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	16.02	16.07	15.97	17.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	15.97	16.02	15.95	17.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	16.03	16.12	15.83	17.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	16.02	16.02	15.99	17.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	PI2 BPSK	1	1	15.98	16.08	15.99	17.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	16.06	16.11	15.99	17.0	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				630000	633334	3500.01			
Frequency (MHz)									
100	PI2 BPSK	1	1		15.03		16.5	0.0	
100	PI2 BPSK	1	137		14.88				
100	PI2 BPSK	1	271		14.92				
100	PI2 BPSK	135	0		14.89				
100	PI2 BPSK	135	69		14.97		16.5	0.0	
100	PI2 BPSK	135	138		14.84		16.5	0.0	
100	PI2 BPSK	270	0		14.95				
100	QPSK	1	1		14.67				
100	QPSK	1	137		14.89				
100	QPSK	1	271		14.59		16.5	0.0	
100	QPSK	135	0		14.80				
100	QPSK	135	69		14.94				
100	QPSK	135	138		14.88				
100	QPSK	270	0		14.88		16.5	0.0	
100	16QAM	1	1		14.82		16.5	0.0	
100	64QAM	1	1		14.89		16.5	0.0	
100	256QAM	1	1		14.92		16.5	0.0	
Channel				630000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI2 BPSK	1	1		14.85	14.98	14.83	16.5	0.0
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3500.01	3510			
80	PI2 BPSK	1	1		14.83	14.96	14.92	16.5	0.0
Channel				632234	633334	634312	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.01	3500.01	3514.98			
70	PI2 BPSK	1	1		14.89	14.94	14.90	16.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3497.02	3500.01	3516.99			
60	PI2 BPSK	1	1		14.94	14.92	14.93	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02 <td>3500.01</td> <td>3525</td> <th colspan="3"></th>	3500.01	3525			
50	PI2 BPSK	1	1		14.86	14.98	14.85	16.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01 <td>3500.01</td> <td>3529.98</td>	3500.01	3529.98			
40	PI2 BPSK	1	1		14.91	14.94	14.98	16.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465 <td>3500.01</td> <td>3534.99</td> <th colspan="3"></th>	3500.01	3534.99			
30	PI2 BPSK	1	1		14.92	14.96	14.92	16.5	0.0
Channel				630764	633334	636012	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51 <td>3500.01</td> <td>3537.48</td>	3500.01	3537.48			
25	PI2 BPSK	1	1		14.91	14.97	14.89	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02 <td>3500.01</td> <td>3536</td> <th colspan="3"></th>	3500.01	3536			
20	PI2 BPSK	1	1		14.94	14.98	14.83	16.5	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5 <td>3500.01</td> <td>3542.49</td> <th colspan="3"></th>	3500.01	3542.49			
15	PI2 BPSK	1	1		14.88	15.00	14.84	16.5	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01 <td>3500.01</td> <td>3544.98</td>	3500.01	3544.98			
10	PI2 BPSK	1	1		14.87	14.99	14.92	16.5	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	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.11	15.16	15.13		
100	PI2 BPSK	1	137	14.78	14.83	14.89	16.5	0.0
100	PI2 BPSK	1	271	14.42	14.54	14.62		
100	PI2 BPSK	135	0	15.02	15.07	14.91	16.5	0.0
100	PI2 BPSK	135	69	15.08	15.15	15.13	16.5	0.0
100	PI2 BPSK	135	138	14.87	14.86	14.83		
100	PI2 BPSK	270	0	15.05	15.06	14.94	16.5	0.0
100	QPSK	1	1	14.81	14.92	14.70		
100	QPSK	1	137	14.95	14.92	14.86	16.5	0.0
100	QPSK	1	271	14.52	14.66	14.64		
100	QPSK	135	0	14.97	15.05	15.08		
100	QPSK	135	69	14.95	14.93	14.93	16.5	0.0
100	QPSK	135	138	14.85	14.80	14.91		
100	QPSK	270	0	14.96	15.05	15.06	16.5	0.0
100	16QAM	1	1	14.80	15.02	14.79	16.5	0.0
100	64QAM	1	1	14.84	15.01	15.02	16.5	0.0
100	256QAM	1	1	14.92	15.06	15.00	16.5	0.0
Channel				649668	650000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	15.05	15.04	15.04	16.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	15.06	15.03	15.02	16.5	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	PI2 BPSK	1	1	14.98	15.03	15.01	16.5	0.0
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	15.09	15.11	15.02	16.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	15.08	15.09	15.11	16.5	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	15.03	15.05	15.07	16.5	0.0
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98		
30	PI2 BPSK	1	1	15.05	15.04	15.02	16.5	0.0
Channel				647000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840.00	3967.50		
25	PI2 BPSK	1	1	14.98	15.11	15.01	16.5	0.0
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	15.05	15.12	15.03	16.5	0.0
Channel				647168	650000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	14.98	15.05	15.00	16.5	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	15.08	15.12	15.01	16.5	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				633000	633334	636000		
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	12.95				
100	PI2 BPSK	1	137	12.90			14.5	0.0
100	PI2 BPSK	1	271	12.99				
100	PI2 BPSK	135	0	12.75			14.5	0.0
100	PI2 BPSK	135	69	12.93			14.5	0.0
100	PI2 BPSK	135	138	12.83				
100	PI2 BPSK	270	0	12.63			14.5	0.0
100	QPSK	1	1	12.89				
100	QPSK	1	137	12.88			14.5	0.0
100	QPSK	1	271	12.60				
100	QPSK	135	0	12.66			14.5	0.0
100	QPSK	135	69	12.92				
100	QPSK	135	138	12.88				
100	QPSK	270	0	12.80			14.5	0.0
100	16QAM	1	1	12.88			14.5	0.0
100	64QAM	1	1	12.76			14.5	0.0
100	256QAM	1	1	12.77			14.5	0.0
Channel				633000	633334	636996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3504.99		
90	PI2 BPSK	1	1	12.78	12.90	12.78	14.5	0.0
Channel				632666	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI2 BPSK	1	1	12.78	12.86	12.81	14.5	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI2 BPSK	1	1	12.78	12.92	12.81	14.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI2 BPSK	1	1	12.85	12.91	12.78	14.5	0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI2 BPSK	1	1	12.77	12.89	12.81	14.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI2 BPSK	1	1	12.78	12.85	12.81	14.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI2 BPSK	1	1	12.78	12.62	12.63	14.5	0.0
Channel				630334	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.48		
25	PI2 BPSK	1	1	12.83	12.84	12.81	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI2 BPSK	1	1	12.77	12.92	12.81	14.5	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49		
15	PI2 BPSK	1	1	12.80	12.85	12.78	14.5	0.0
Channel				630334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	PI2 BPSK	1	1	12.77	12.82	12.81	14.5	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	650000	662000		
Frequency (MHz)				37500	38400	39300		
100	PI2 BPSK	1	1	13.11	13.17	13.10		
100	PI2 BPSK	1	137	12.98	13.09	12.98	14.5	0.0
100	PI2 BPSK	1	271	12.94	12.85	12.71		
100	PI2 BPSK	135	0	12.94	13.04	13.08	14.5	0.0
100	PI2 BPSK	135	69	13.04	13.14	13.07	14.5	0.0
100	PI2 BPSK	135	138	13.02	13.00	12.98		
100	PI2 BPSK	270	0	12.97	13.07	12.96	14.5	0.0
100	QPSK	1	1	12.70	12.89	12.76		
100	QPSK	1	137	12.88	12.96	13.02	14.5	0.0
100	QPSK	1	271	12.72	12.86	12.79		
100	QPSK	135	0	12.86	12.98	13.02		
100	QPSK	135	69	13.13	13.08	13.05	14.5	0.0
100	QPSK	135	138	12.87	13.06	12.88		
100	QPSK	270	0	12.88	13.00	12.91	14.5	0.0
100	16QAM	1	1	12.43	12.60	12.49	14.5	0.0
100	64QAM	1	1	12.86	12.67	12.45	14.5	0.0
100	256QAM	1	1	12.67	12.60	12.45	14.5	0.0
Channel				648668	650000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				37450.02	38400	39349.98		
90	PI2 BPSK	1	1	13.07	13.11	13.06	14.5	0.0
Channel				648334	650000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				37400.01	38400	39399.99		
80	PI2 BPSK	1	1	13.07	13.06	13.02	14.5	0.0
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				37350	38400	39440		
70	PI2 BPSK	1	1	13.07	13.11	12.97	14.5	0.0
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				37300.02	38400	39499.98		
60	PI2 BPSK	1	1	13.04	13.08	13.08	14.5	0.0
Channel				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				37250.01	38400	39549.99		
50	PI2 BPSK	1	1	13.01	13.14	12.97	14.5	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				37200	38400	39600		
40	PI2 BPSK	1	1	13.02	13.07	13.02	14.5	0.0
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				37150.02	38400.00	39649.98		
30	PI2 BPSK	1		12.99	13.04	13.00	14.5	0.0
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				37100.01	38400	39699.99		
20	PI2 BPSK	1	1	13.00	13.09	13.05	14.5	0.0
Channel				647000	650000	664999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				37050.02	38400	39749.98		
15	PI2 BPSK	1	1	13.03	13.14	12.99	14.5	0.0
Channel				646668	650000	665332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				37000	38400	39799		
10	PI2 BPSK	1	1	13.05	13.06	13.00	14.5	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				3500.01					
Frequency (MHz)				633334					
100	PI2 BPSK	1	1		13.63		14.5	0.0	
100	PI2 BPSK	1	137		13.53				
100	PI2 BPSK	1	271		13.39		14.5	0.0	
100	PI2 BPSK	135	0		13.37				
100	PI2 BPSK	135	69		13.62		14.5	0.0	
100	PI2 BPSK	135	138		13.51				
100	PI2 BPSK	270	0		13.61		14.5	0.0	
100	QPSK	1	1		13.45				
100	QPSK	1	137		13.58		14.5	0.0	
100	QPSK	1	271		13.58				
100	QPSK	135	0		13.52		14.5	0.0	
100	QPSK	135	69		13.52				
100	QPSK	135	138		13.61		14.5	0.0	
100	QPSK	270	0		13.59				
100	16QAM	1	1		13.52		14.5	0.0	
100	64QAM	1	1		13.57				
100	256QAM	1	1		13.60		14.5	0.0	
Channel				633000	633334	633666			
Frequency (MHz)				3495	3500.01	3504.99			
90	PI2 BPSK	1	1		13.51	13.60	13.55	14.5	0.0
Channel				632953	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		13.58	13.59	13.40	14.5	0.0
Channel				632334	633334	634332			
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1		13.52	13.54	13.52	14.5	0.0
Channel				632000	633334	634666			
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1		13.54	13.57	13.52	14.5	0.0
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		13.56	13.55	13.48	14.5	0.0
Channel				631334	633334	635332			
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI2 BPSK	1	1		13.58	13.63	13.50	14.5	0.0
Channel				631000	633334	635666			
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		13.51	13.62	13.45	14.5	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
25	PI2 BPSK	1	1		13.53	13.54	13.48	14.5	0.0
Channel				630968	633334	636000			
Frequency (MHz)				3450.02	3500.01	3540			
20	PI2 BPSK	1	1		13.54	13.58	13.56	14.5	0.0
Channel				630500	633334	636166			
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1		13.55	13.56	13.51	14.5	0.0
Channel				630334	633334	636332			
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		13.52	13.59	13.46	14.5	0.0

Par27O n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	13.65	13.67	13.46	14.5	0.0	
100	PI2 BPSK	1	137	13.27	13.41	13.17			
100	PI2 BPSK	1	271	13.11	13.11	12.78	14.5	0.0	
100	PI2 BPSK	135	0	13.54	13.54	13.45			
100	PI2 BPSK	135	69	13.52	13.65	13.36	14.5	0.0	
100	PI2 BPSK	135	138	13.52	13.40	13.17			
100	PI2 BPSK	270	0	13.41	13.62	13.33	14.5	0.0	
100	QPSK	1	1	13.37	13.44	13.24			
100	QPSK	1	137	13.43	13.47	13.20	14.5	0.0	
100	QPSK	1	271	13.06	13.18	12.98			
100	QPSK	135	0	13.50	13.63	13.31	14.5	0.0	
100	QPSK	135	69	13.64	13.52	13.27			
100	QPSK	135	138	13.45	13.49	13.11	14.5	0.0	
100	QPSK	270	0	13.59	13.50	13.24			
100	16QAM	1	1	13.63	13.60	13.35	14.5	0.0	
100	64QAM	1	1	13.52	13.54	13.23			
100	256QAM	1	1	13.57	13.51	13.21	14.5	0.0	
Channel				649668	650000	650332		Tune-up limit (dBm)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PI2 BPSK	1	1	13.62	13.56	13.37	14.5	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3840	3939.99			
80	PI2 BPSK	1	1	13.63	13.62	13.36	14.5	0.0	
Channel				649000	650000	650000			
Frequency (MHz)				3735	3840	3945			
70	PI2 BPSK	1	1	13.57	13.65	13.43	14.5	0.0	
Channel				648668	650000	650332			
Frequency (MHz)				3730.02	3840	3949.98			
60	PI2 BPSK	1	1	13.60	13.60	13.33	14.5	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3725.01	3840	3954.99			
50	PI2 BPSK	1	1	13.52	13.60	13.39	14.5	0.0	
Channel				649000	650000	650000			
Frequency (MHz)				3720	3840	3950			
40	PI2 BPSK	1	1	13.58	13.62	13.36	14.5	0.0	
Channel				647668	650000	650332			
Frequency (MHz)				3715.02	3840.01	3964.98			
30	PI2 BPSK	1	1	13.60	13.60	13.41	14.5	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3712.5	3840.00	3967.50			
25	PI2 BPSK	1	1	13.52	13.60	13.38	14.5	0.0	
Channel				647334	650000	650666			
Frequency (MHz)				3710.01	3840	3969.99			
20	PI2 BPSK	1	1	13.60	13.63	13.35	14.5	0.0	
Channel				647168	650000	650432			
Frequency (MHz)				3707.52	3840	3972.48			
15	PI2 BPSK	1	1	13.58	13.61	13.42	14.5	0.0	
Channel				647000	650000	650500			
Frequency (MHz)				3705	3840	3975			
10	PI2 BPSK	1	1	13.61	13.63	13.43	14.5	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				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		15.99		17.5	0.0	
100	PI2 BPSK	1	137		15.89				
100	PI2 BPSK	1	271		15.65		17.5	0.0	
100	PI2 BPSK	135	0		15.74				
100	PI2 BPSK	135	69		15.94		17.5	0.0	
100	PI2 BPSK	135	136		15.90		17.5	0.0	
100	PI2 BPSK	270	0		15.91		17.5	0.0	
100	QPSK	1	1		15.70				
100	QPSK	1	137		15.85		17.5	0.0	
100	QPSK	1	271		15.59				
100	QPSK	135	0		15.85		17.5	0.0	
100	QPSK	135	69		15.91				
100	QPSK	135	136		15.83		17.5	0.0	
100	QPSK	270	0		15.86		17.5	0.0	
100	16QAM	1	1		15.71		17.5	0.0	
100	64QAM	1	1		15.80		17.5	0.0	
100	256QAM	1	1		15.44		17.5	0.0	
Channel				633000					
Frequency (MHz)				633666					
90	PI2 BPSK	1	1		15.87	15.91	15.80	17.5	
Channel				632668					
Frequency (MHz)				634002					
80	PI2 BPSK	1	1		15.67	15.64	15.67	17.5	
Channel				632334					
Frequency (MHz)				633334					
70	PI2 BPSK	1	1		15.85	15.87	15.87	17.5	
Channel				632000					
Frequency (MHz)				634861					
60	PI2 BPSK	1	1		15.84	15.91	15.89	17.5	
Channel				631668					
Frequency (MHz)				633000					
50	PI2 BPSK	1	1		15.91	15.90	15.87	17.5	
Channel				631334					
Frequency (MHz)				3470.01					
40	PI2 BPSK	1	1		15.82	15.89	15.89	17.5	
Channel				631000					
Frequency (MHz)				3420.01					
30	PI2 BPSK	1	1		15.86	15.84	15.79	17.5	
Channel				630304					
Frequency (MHz)				3442.51					
25	PI2 BPSK	1	1		15.86	15.89	15.88	17.5	
Channel				630668					
Frequency (MHz)				3400.02					
20	PI2 BPSK	1	1		15.82	15.91	15.79	17.5	
Channel				630500					
Frequency (MHz)				3457.4					
15	PI2 BPSK	1	1		15.90	15.93	15.87	17.5	
Channel				630334					
Frequency (MHz)				3455.01					
10	PI2 BPSK	1	1		15.87	15.93	15.82	17.5	

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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	650000	650000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.92	16.06	15.94	17.5	0.0
100	PI2 BPSK	1	137	15.79	16.01	15.85		
100	PI2 BPSK	1	271	15.53	15.69	15.47	17.5	0.0
100	PI2 BPSK	135	0	15.64	15.94	15.78		
100	PI2 BPSK	135	69	15.89	16.01	15.84	17.5	0.0
100	PI2 BPSK	135	138	15.65	15.96	15.78		
100	PI2 BPSK	270	0	15.81	15.96	15.84	17.5	0.0
100	QPSK	1	1	15.84	15.88	15.85		
100	QPSK	1	137	15.83	16.03	15.79	17.5	0.0
100	QPSK	1	271	15.53	15.81	15.51		
100	QPSK	135	0	15.53	15.83	15.69	17.5	0.0
100	QPSK	135	69	15.46	15.97	15.83		
100	QPSK	135	138	15.75	16.03	15.73	17.5	0.0
100	QPSK	270	0	15.71	16.03	15.73		
100	16QAM	1	1	15.44	15.45	15.40	17.5	0.0
100	64QAM	1	1	15.45	15.65	15.49		
100	256QAM	1	1	15.54	15.55	15.67	17.5	0.0
Channel				649668	650000	650332		
Frequency (MHz)				3745.02	3840	3934.98	Tune-up limit (dB)	MPR (dB)
90	PI2 BPSK	1	1	15.86	16.02	15.88	17.5	0.0
Channel				643334	650000	650332		
Frequency (MHz)				3740.01	3840	3939.99	Tune-up limit (dB)	MPR (dB)
80	PI2 BPSK	1	1	15.89	15.97	15.84	17.5	0.0
Channel				649000	650000	650000		
Frequency (MHz)				3725	3840	3965	Tune-up limit (dB)	MPR (dB)
70	PI2 BPSK	1	1	15.87	15.93	15.92	17.5	0.0
Channel				648668	650000	650332		
Frequency (MHz)				3730.02	3840	3949.98	Tune-up limit (dB)	MPR (dB)
60	PI2 BPSK	1	1	15.90	15.83	15.84	17.5	0.0
Channel				643334	650000	650332		
Frequency (MHz)				3725.01	3840	3954.99	Tune-up limit (dB)	MPR (dB)
50	PI2 BPSK	1	1	15.83	15.98	15.84	17.5	0.0
Channel				648000	650000	650000		
Frequency (MHz)				3720	3840	3960	Tune-up limit (dB)	MPR (dB)
40	PI2 BPSK	1	1	15.81	15.93	15.85	17.5	0.0
Channel				647668	650000	650332		
Frequency (MHz)				3715.02	3840.00	3964.98	Tune-up limit (dB)	MPR (dB)
30	PI2 BPSK	1	1	15.84	15.93	15.88	17.5	0.0
Channel				643200	650000	650332		
Frequency (MHz)				3712.5	3840.00	3967.50	Tune-up limit (dB)	MPR (dB)
25	PI2 BPSK	1	1	15.90	15.94	15.91	17.5	0.0
Channel				647334	650000	650666		
Frequency (MHz)				3710.01	3840	3969.99	Tune-up limit (dB)	MPR (dB)
20	PI2 BPSK	1	1	15.83	16.04	15.91	17.5	0.0
Channel				647168	650000	650332		
Frequency (MHz)				3707.52	3840	3974.48	Tune-up limit (dB)	MPR (dB)
15	PI2 BPSK	1	1	15.88	16.01	15.90	17.5	0.0
Channel				647000	650000	650000		
Frequency (MHz)				3705	3840	3975	Tune-up limit (dB)	MPR (dB)
10	PI2 BPSK	1	1	15.79	15.94	15.85	17.5	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				633334	633334	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3500.01	3500.01	3500.01		
100	PI2 BPSK	1	1	16.95	16.95	16.95	18.0	0.0
100	PI2 BPSK	1	137	16.91	16.91	16.91		
100	PI2 BPSK	1	271	16.56	16.56	16.56	18.0	0.0
100	PI2 BPSK	135	0	16.88	16.88	16.88		
100	PI2 BPSK	135	69	16.92	16.92	16.90	18.0	0.0
100	PI2 BPSK	135	138	16.80	16.80	16.80		
100	PI2 BPSK	270	0	16.95	16.95	16.95	18.0	0.0
100	QPSK	1	1	16.82	16.82	16.82		
100	QPSK	1	137	16.88	16.88	16.88	18.0	0.0
100	QPSK	1	271	16.53	16.53	16.53		
100	QPSK	135	0	16.80	16.80	16.80	18.0	0.0
100	QPSK	135	69	16.89	16.89	16.89		
100	QPSK	135	138	16.82	16.82	16.82	18.0	0.0
100	QPSK	270	0	16.84	16.84	16.84		
100	16QAM	1	1	16.81	16.81	16.80	18.0	0.0
100	64QAM	1	1	16.80	16.80	16.80		
100	256QAM	1	1	16.90	16.90	17.5	17.5	0.5
Channel				633000	633334	633666		
Frequency (MHz)				3485	3500.01	3504.99	Tune-up limit (dBm)	MPR (dB)
90	PI2 BPSK	1	1	16.79	16.90	16.84	18.0	0.0
Channel				632666	633334	634000		
Frequency (MHz)				3480.02	3500.01	3510	Tune-up limit (dB)	MPR (dB)
80	PI2 BPSK	1	1	16.83	16.84	16.83	18.0	0.0
Channel				632334	633334	634332		
Frequency (MHz)				3485.01	3500.01	3514.98	Tune-up limit (dB)	MPR (dB)
70	PI2 BPSK	1	1	16.83	16.85	16.85	18.0	0.0
Channel				632000	633334	634666		
Frequency (MHz)				3480	3500.01	3519.99	Tune-up limit (dB)	MPR (dB)
60	PI2 BPSK	1	1	16.81	16.91	16.82	18.0	0.0
Channel				631666	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dB)	MPR (dB)
50	PI2 BPSK	1	1	16.78	16.89	16.78	18.0	0.0
Channel				631334	633334	635332		
Frequency (MHz)				3470.01	3500.01	3524.98	Tune-up limit (dB)	MPR (dB)
40	PI2 BPSK	1	1	16.80	16.89	16.83	18.0	0.0
Channel				631000	633334	635666		
Frequency (MHz)				3465	3500.01	3534.99	Tune-up limit (dB)	MPR (dB)
30	PI2 BPSK	1	1	16.87	16.87	16.75	18.0	0.0
Channel				630334	633334	635332		
Frequency (MHz)				3462.51	3500.01	3537.48	Tune-up limit (dB)	MPR (dB)
25	PI2 BPSK	1	1	16.77	16.88	16.79	18.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dB)	MPR (dB)
20	PI2 BPSK	1	1	16.84	16.90	16.84	18.0	0.0
Channel				630500	633334	636166		
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dB)	MPR (dB)
15	PI2 BPSK	1	1	16.87	16.83	16.75	18.0	0.0
Channel				630334	633334	635332		
Frequency (MHz)				3455.01	3500.01	3544.98	Tune-up limit (dB)	MPR (dB)
10	PI2 BPSK	1	1	16.87	16.91	16.84	18.0	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)				650000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1	17.15	17.15	17.15	18.0	0.0
100	PI2 BPSK	1	137	17.01	17.01	16.92		
100	PI2 BPSK	1	271	16.92	16.92	16.92	18.0	0.0
100	PI2 BPSK	135	0	16.91	16.91	16.91		
100	PI2 BPSK	135	69	17.11	17.11	17.00	18.0	0.0
100	PI2 BPSK	135	138	17.01	17.01	17.01		
100	PI2 BPSK	270	0	17.05	17.05	17.05	18.0	0.0
100	QPSK	1	1	16.71	16.71	16.71		
100	QPSK	1	137	16.98	16.98	16.98	18.0	0.0
100	QPSK	1	271	16.81	16.81	16.81		
100	QPSK	135	0	16.90	16.90	16.90	18.0	0.0
100	QPSK	135	69	17.02	17.02	17.02		
100	QPSK	135	138	17.06	17.06	17.06	18.0	0.0
100	QPSK	270	0	16.90	16.90	16.90		
100	16QAM	1	1	16.85	16.85	16.85	18.0	0.0
100	64QAM	1	1	16.91	16.91	16.91	18.0	0.0
100	256QAM	1	1	16.90	17.10	17.10	17.5	0.5
Channel								
Frequency (MHz)				649950	650050	650052	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	PI2 BPSK	1	1	16.99	17.08	17.00	18.0	0.0
Channel				649334	650000	650686	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI2 BPSK	1	1	17.08	17.07	17.04	18.0	0.0
Channel				649090	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	PI2 BPSK	1	1	17.04	17.09	17.04	18.0	0.0
Channel				648593	650000	651407	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	PI2 BPSK	1	1	16.97	17.03	16.95	18.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI2 BPSK	1	1	17.07	17.12	17.02	18.0	0.0
Channel				648090	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI2 BPSK	1	1	17.01	17.00	16.99	18.0	0.0
Channel				647618	650000	652382	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	PI2 BPSK	1	1	17.05	17.02	17.03	18.0	0.0
Channel				647590	650000	652510	Tune-up limit	MPR
Frequency (MHz)				3712.0	3750.00	3792.00	(dBm)	(dB)
25	PI2 BPSK	1	1	17.03	17.00	17.04	18.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3798.99	(dBm)	(dB)
20	PI2 BPSK	1	1	17.05	17.04	16.99	18.0	0.0
Channel				647168	650000	652832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI2 BPSK	1	1	17.04	17.09	16.98	18.0	0.0
Channel				647090	650000	653010	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI2 BPSK	1	1	17.02	17.11	17.04	18.0	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)				633334 3500.01					
100	PI2 BPSK	1	1		13.04		14.5	0.0	
100	PI2 BPSK	1	137		13.00				
100	PI2 BPSK	1	271		12.82		14.5	0.0	
100	PI2 BPSK	135	0		12.79				
100	PI2 BPSK	135	69		13.01		14.5	0.0	
100	PI2 BPSK	135	138		12.91				
100	PI2 BPSK	270	0		12.96		14.5	0.0	
100	QPSK	1	1		12.70				
100	QPSK	1	137		12.95		14.5	0.0	
100	QPSK	1	271		12.77				
100	QPSK	135	0		12.91		14.5	0.0	
100	QPSK	135	69		12.97				
100	QPSK	135	138		13.00		14.5	0.0	
100	QPSK	270	0		13.04				
100	16QAM	1	1		12.80		14.5	0.0	
100	64QAM	1	1		12.46				
100	256QAM	1	1		12.95		14.5	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3504.99			
90	PI2 BPSK	1	1		12.93	12.99	12.94	14.5	0.0
Channel				632593	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		12.93	13.00	12.91	14.5	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1		12.88	13.01	12.96	14.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1		12.88	12.94	12.91	14.5	0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		12.91	12.97	12.94	14.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.98			
40	PI2 BPSK	1	1		12.96	13.01	12.90	14.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		12.87	12.93	12.87	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
25	PI2 BPSK	1	1		12.91	12.93	12.92	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1		12.86	12.95	12.87	14.5	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1		12.95	12.96	12.91	14.5	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		12.86	12.93	12.89	14.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		13.06		14.5	0.0	
100	PI2 BPSK	1	137		12.96				
100	PI2 BPSK	1	271		12.93		14.5	0.0	
100	PI2 BPSK	135	0		12.86				
100	PI2 BPSK	135	69		13.03		14.5	0.0	
100	PI2 BPSK	135	138		13.00				
100	PI2 BPSK	270	0		12.93		14.5	0.0	
100	QPSK	1	1		12.85				
100	QPSK	1	137		13.01		14.5	0.0	
100	QPSK	1	271		13.00				
100	QPSK	135	0		12.85		14.5	0.0	
100	QPSK	135	69		12.99				
100	QPSK	135	138		13.03		14.5	0.0	
100	QPSK	270	0		12.92				
100	16QAM	1	1		12.50		14.5	0.0	
100	64QAM	1	1		12.50				
100	256QAM	1	1		13.02		14.5	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI2 BPSK	1	1		12.97	12.99	12.91	14.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI2 BPSK	1	1		12.98	12.99	12.94	14.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PI2 BPSK	1	1		12.95	13.02	12.96	14.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI2 BPSK	1	1		12.97	12.99	12.92	14.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI2 BPSK	1	1		12.95	13.01	12.94	14.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PI2 BPSK	1	1		12.91	13.02	12.94	14.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3784.98			
30	PI2 BPSK	1	1		12.90	12.95	12.88	14.5	0.0
Channel				647334	650000	652596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
25	PI2 BPSK	1	1		12.92	12.97	12.93	14.5	0.0
Channel				647000	650000	652900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750.00	3797.50			
20	PI2 BPSK	1	1		12.97	12.99	12.93	14.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PI2 BPSK	1	1		12.98	13.03	12.92	14.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PI2 BPSK	1	1		12.96	13.02	12.91	14.5	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)	1	1	13.53	3500.01			
100	PI2 BPSK	1	1		13.43		14.5	0.0
100	PI2 BPSK	1	137		13.36			
100	PI2 BPSK	1	271		13.36		14.5	0.0
100	PI2 BPSK	135	0		13.46			
100	PI2 BPSK	135	69		13.51		14.5	0.0
100	PI2 BPSK	135	138		13.46			
100	PI2 BPSK	270	0		13.50		14.5	0.0
100	QPSK	1	1		13.34			
100	QPSK	1	137		13.40		14.5	0.0
100	QPSK	1	271		13.18			
100	QPSK	135	0		13.37		14.5	0.0
100	QPSK	135	69		13.44			
100	QPSK	135	138		13.39		14.5	0.0
100	QPSK	270	0		13.42			
100	16QAM	1	1		13.40		14.5	0.0
100	64QAM	1	1		13.38			
100	256QAM	1	1		13.40		14.5	0.0
Channel				633000	633334	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)
90	PI2 BPSK	1	1	13.38	13.49	13.34	14.5	0.0
Channel				632666	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	PI2 BPSK	1	1	13.41	13.45	13.39	14.5	0.0
Channel				632334	633334	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)
70	PI2 BPSK	1	1	13.42	13.45	13.43	14.5	0.0
Channel				632000	633334	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)
60	PI2 BPSK	1	1	13.44	13.46	13.39	14.5	0.0
Channel				631666	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	PI2 BPSK	1	1	13.39	13.43	13.40	14.5	0.0
Channel				631334	633334	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3528.98	(dBm)	(dB)
40	PI2 BPSK	1	1	13.39	13.41	13.37	14.5	0.0
Channel				631000	633334	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)
30	PI2 BPSK	1	1	13.39	13.50	13.33	14.5	0.0
Channel				630666	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
25	PI2 BPSK	1	1	13.45	13.49	13.36	14.5	0.0
Channel				630666	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3450.02	3500.01	3550	(dBm)	(dB)
20	PI2 BPSK	1	1	13.38	13.40	13.40	14.5	0.0
Channel				630500	633334	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)
15	PI2 BPSK	1	1	13.37	13.40	13.39	14.5	0.0
Channel				630333	633334	636333	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)
10	PI2 BPSK	1	1	13.35	13.40	13.41	14.5	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	PI2 BPSK	1	1		13.53		14.5	0.0
100	PI2 BPSK	1	137		13.48			
100	PI2 BPSK	1	271		13.15			
100	PI2 BPSK	135	0		13.36		14.5	0.0
100	PI2 BPSK	135	69		13.51		14.5	0.0
100	PI2 BPSK	135	138		13.34		14.5	0.0
100	PI2 BPSK	270	0		13.45		14.5	0.0
100	QPSK	1	1		13.10		14.5	0.0
100	QPSK	1	137		13.49			
100	QPSK	1	271		13.06			
100	QPSK	135	0		13.45		14.5	0.0
100	QPSK	135	69		13.50		14.5	0.0
100	QPSK	135	138		13.30			
100	QPSK	270	0		13.33			
100	16QAM	1	1		13.50		14.5	0.0
100	64QAM	1	1		13.42		14.5	0.0
100	256QAM	1	1		13.44		14.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	13.42	13.48	13.40	14.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	13.35	13.40	13.35	14.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3722	3750	3765		
70	PI2 BPSK	1	1	13.40	13.46	13.37	14.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	13.39	13.50	13.35	14.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	13.39	13.41	13.39	14.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3722	3750	3768		
40	PI2 BPSK	1	1	13.35	13.45	13.39	14.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3764.98		
30	PI2 BPSK	1	1	13.38	13.48	13.37	14.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750.00	3767.50		
25	PI2 BPSK	1	1	13.44	13.44	13.40	14.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3769.99		
20	PI2 BPSK	1	1	13.41	13.48	13.34	14.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3762.48		
15	PI2 BPSK	1	1	13.38	13.40	13.40	14.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	13.36	13.46	13.33	14.5	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				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		16.00		17.5	0.0
100	PI2 BPSK	1	137		15.95			
100	PI2 BPSK	1	271		15.59			
100	PI2 BPSK	135	0		15.78		17.5	0.0
100	PI2 BPSK	135	69		15.95		17.5	0.0
100	PI2 BPSK	135	138		15.84		17.5	0.0
100	PI2 BPSK	270	0		15.93		17.5	0.0
100	QPSK	1	1		15.58		17.5	0.0
100	QPSK	1	137		15.94			
100	QPSK	1	271		15.55			
100	QPSK	135	0		15.91		17.5	0.0
100	QPSK	135	69		15.91		17.5	0.0
100	QPSK	135	138		15.75			
100	QPSK	270	0		15.83			
100	16QAM	1	1		15.87		17.5	0.0
100	64QAM	1	1		15.93		17.5	0.0
100	256QAM	1	1		15.91		17.5	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI2 BPSK	1	1		15.80	15.01	15.86	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI2 BPSK	1	1		15.85	15.93	15.85	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI2 BPSK	1	1		15.85	15.94	15.85	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI2 BPSK	1	1		15.84	15.97	15.88	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI2 BPSK	1	1		15.84	15.95	15.84	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3528.98		
40	PI2 BPSK	1	1		15.83	15.94	15.85	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI2 BPSK	1	1		15.86	15.93	15.90	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.48		
25	PI2 BPSK	1	1		15.87	15.92	15.86	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI2 BPSK	1	1		15.85	15.95	15.87	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49		
15	PI2 BPSK	1	1		15.83	15.96	15.90	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	PI2 BPSK	1	1		15.88	15.92	15.80	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	PI2 BPSK	1	1		16.21		17.5	0.0
100	PI2 BPSK	1	137		16.11			
100	PI2 BPSK	1	271		16.05			
100	PI2 BPSK	135	0		16.02		17.5	0.0
100	PI2 BPSK	135	69		16.16		17.5	0.0
100	PI2 BPSK	135	138		15.94		17.5	0.0
100	PI2 BPSK	270	0		16.11		17.5	0.0
100	QPSK	1	1		15.78		17.5	0.0
100	QPSK	1	137		16.08			
100	QPSK	1	271		15.59			
100	QPSK	135	0		16.05		17.5	0.0
100	QPSK	135	69		16.04		17.5	0.0
100	QPSK	135	138		16.00			
100	QPSK	270	0		15.94			
100	16QAM	1	1		15.98		17.5	0.0
100	8QAM	1	1		16.19		17.5	0.0
100	25QAM	1	1		16.02		17.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	16.07	16.10	16.05	17.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	16.03	16.12	16.02	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	16.10	16.09	16.02	17.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	16.08	16.13	16.07	17.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	16.11	16.14	16.05	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3722	3750	3768		
40	PI2 BPSK	1	1	16.10	16.11	16.01	17.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3764.98		
30	PI2 BPSK	1	1	16.08	16.11	16.02	17.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3769.99		
20	PI2 BPSK	1	1	16.13	16.15	16.09	17.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3762.48		
15	PI2 BPSK	1	1	16.08	16.17	16.04	17.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	16.04	16.12	16.08	17.5	0.0



Reduced Power for DS11

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				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	22.53				
25	PI2 BPSK	1	65	23.17				
25	PI2 BPSK	1	131	22.34			24.0	0.0
25	PI2 BPSK	64	0	23.15				
25	PI2 BPSK	64	32	23.16			24.0	0.0
25	PI2 BPSK	64	66	22.92			24.0	0.0
25	PI2 BPSK	128	0	23.13				
25	QPSK	1	1	22.42				
25	QPSK	1	65	22.06			24.0	0.0
25	QPSK	1	131	22.35				
25	QPSK	64	0	23.07			24.0	0.0
25	QPSK	64	32	23.14			24.0	0.0
25	QPSK	64	66	22.94			24.0	0.0
25	QPSK	128	0	23.05				
25	16QAM	1	1	22.21			24.0	0.0
25	64QAM	1	1	21.27			23.0	1.0
25	256QAM	1	1	19.81			21.0	3.0
Channel				166800	167300	167800	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.02	23.15	22.98	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	22.99	23.11	23.01	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	23.04	23.16	22.98	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	23.03	23.13	22.96	24.0	0.0

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	22.78				
25	PI2 BPSK	1	65	23.43			24.7	0.0
25	PI2 BPSK	1	131	22.73				
25	PI2 BPSK	64	0	23.41			24.7	0.0
25	PI2 BPSK	64	32	23.42			24.7	0.0
25	PI2 BPSK	64	66	23.21			24.7	0.0
25	PI2 BPSK	128	0	23.35				
25	QPSK	1	1	22.79				
25	QPSK	1	65	23.39			24.7	0.0
25	QPSK	1	131	22.79				
25	QPSK	64	0	23.39			24.7	0.0
25	QPSK	64	32	23.41			24.7	0.0
25	QPSK	64	66	23.14			24.7	0.0
25	QPSK	128	0	23.34				
25	16QAM	1	1	22.51			24.7	0.0
25	64QAM	1	1	21.05			23.2	1.5
25	256QAM	1	1	19.58			21.2	3.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.33	23.40	23.24	24.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	23.30	23.37	23.24	24.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	23.30	23.35	23.23	24.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	23.28	23.38	23.25	24.7	0.0

n7_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000		507000	509000	
Frequency (MHz)				2525		2535	2545	
50	PI2 BPSK	1	1	23.48	23.53	23.47		
50	PI2 BPSK	1	135	23.36	23.30	23.33		
50	PI2 BPSK	1	268	23.39	23.43	23.21	25.0	0.0
50	PI2 BPSK	135	0	23.32	23.30	23.27	24.5	0.5
50	PI2 BPSK	135	68	23.44	23.45	23.37	25.0	0.0
50	PI2 BPSK	135	135	23.43	23.40	23.27		
50	PI2 BPSK	270	0	23.38	23.52	23.42	24.5	0.5
50	QPSK	1	1	23.02	23.15	23.07		
50	QPSK	1	135	23.25	23.43	23.21	25.0	0.0
50	QPSK	1	268	23.32	23.41	23.24		
50	QPSK	135	0	22.81	22.95	22.83	24.0	1.0
50	QPSK	135	68	23.34	23.32	23.37	25.0	0.0
50	QPSK	135	135	22.81	23.08	22.91		
50	QPSK	270	0	22.86	22.92	22.84	24.0	1.0
50	16QAM	1	1	22.00	22.07	22.11	24.0	1.0
50	64QAM	1	1	20.51	20.53	20.63	22.5	2.5
50	256QAM	1	1	18.53	18.59	18.59	20.5	4.5
Channel				504000	507000	510000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	23.17	23.42	23.06	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	23.04	23.31	23.05	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	23.13	23.33	23.15	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.10	23.44	23.09	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	23.08	23.42	23.08	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	23.06	23.40	23.13	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	23.06	23.37	23.05	25.0	0.0

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	21.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	PV2 BPSK	1	1	20.61	20.63	20.57			
50	PV2 BPSK	1	158	20.32	20.40	20.38	21.5	0.0	
50	PV2 BPSK	1	288	20.23	20.29	20.19			
50	PV2 BPSK	135	0	20.41	20.42	20.41			
50	PV2 BPSK	135	68	20.42	20.51	20.40	21.5	0.0	
50	PV2 BPSK	135	135	20.32	20.41	20.45	21.5	0.0	
50	PV2 BPSK	270	0	20.39	20.53	20.40	21.5	0.0	
50	QPSK	1	1	20.16	20.29	20.13			
50	QPSK	1	135	20.35	20.33	20.33			
50	QPSK	1	288	20.35	20.34	20.38	21.5	0.0	
50	QPSK	135	0	20.47	20.52	20.41			
50	QPSK	135	68	20.54	20.53	20.41			
50	QPSK	135	135	20.32	20.40	20.32	21.5	0.0	
50	QPSK	270	0	20.25	20.36	20.36	21.5	0.0	
50	16QAM	1	1	20.15	20.11	20.11			
50	64QAM	1	1	20.07	20.15	19.99			
50	256QAM	1	1	18.89	18.74	18.71	21.0	0.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	PV2 BPSK	1	1	20.59	20.58	20.40	21.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	PV2 BPSK	1	1	20.54	20.54	20.50	21.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510.5	2535	2559.5	(dBm)	(dB)	
25	PV2 BPSK	1	1	20.53	20.61	20.47	21.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	PV2 BPSK	1	1	20.51	20.59	20.46	21.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	PV2 BPSK	1	1	20.50	20.56	20.50	21.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	PV2 BPSK	1	1	20.49	20.59	20.49	21.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	PV2 BPSK	1	1	20.50	20.59	20.46	21.5	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				346000	349000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	22.35	22.46	22.44			
40	PV2 BPSK	1	108	22.31	22.40	22.40	23.5	0.5	
40	PV2 BPSK	1	214	22.30	22.31	22.37			
40	PV2 BPSK	108	0	22.38	22.22	22.34			
40	PV2 BPSK	108	54	22.40	22.45	22.37	24.0	0.0	
40	PV2 BPSK	108	108	22.27	22.35	22.35	23.5	0.5	
40	PV2 BPSK	216	0	22.35	22.44	22.25	24.0	0.0	
40	QPSK	1	1	22.22	22.24	22.17			
40	QPSK	1	108	22.19	22.30	22.21			
40	QPSK	1	214	22.30	22.36	22.22	23.0	1.0	
40	QPSK	108	0	21.89	21.80	21.64			
40	QPSK	108	54	22.30	22.35	22.25			
40	QPSK	108	108	21.88	21.88	21.72	21.5	2.5	
40	QPSK	216	0	21.72	21.79	21.65			
40	16QAM	1	1	21.06	21.13	20.95			
40	64QAM	1	1	18.74	18.74	19.71	19.5	4.5	
40	256QAM	1	1	17.45	17.50	17.53	Tune-up limit (dBm)	MPR	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	PV2 BPSK	1	1	22.30	22.40	22.40	24.0	0.0	
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	PV2 BPSK	1	1	22.27	22.42	22.32	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	PV2 BPSK	1	1	22.21	22.34	22.32	24.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	PV2 BPSK	1	1	22.23	22.43	22.37	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	PV2 BPSK	1	1	22.25	22.33	22.36	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	PV2 BPSK	1	1	22.21	22.31	22.33	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				346000	349000	352000	20.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	18.88	19.06	18.91			
40	PV2 BPSK	1	168	18.95	19.03	18.87	18.8	0.0	
40	PV2 BPSK	1	214	18.72	18.83	18.67			
40	PV2 BPSK	108	0	18.84	19.00	18.84			
40	PV2 BPSK	108	54	18.83	19.01	18.86	20.0	0.0	
40	PV2 BPSK	108	108	18.86	18.95	18.81	20.0	0.0	
40	PV2 BPSK	216	0	18.87	18.95	18.86	18.9	0.0	
40	QPSK	1	1	18.77	18.85	18.80			
40	QPSK	1	106	18.92	18.93	18.67			
40	QPSK	1	214	18.76	18.88	18.71	20.0	0.0	
40	QPSK	108	0	18.90	19.01	18.85	20.0	0.0	
40	QPSK	108	54	18.87	19.01	18.83			
40	QPSK	108	108	18.90	18.91	18.82			
40	QPSK	216	0	18.65	18.83	18.55	20.0	0.0	
40	16QAM	1	1	18.48	18.66	18.34	20.0	0.0	
40	64QAM	1	1	18.53	18.68	18.57	20.0	0.0	
40	256QAM	1	1	18.81	18.98	18.93	20.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	PV2 BPSK	1	1	18.78	18.96	18.83	20.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	PV2 BPSK	1	1	18.77	19.00	18.89	20.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	PV2 BPSK	1	1	18.83	19.01	18.86	20.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	PV2 BPSK	1	1	18.79	18.94	18.82	20.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	PV2 BPSK	1	1	18.75	18.98	18.79	20.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	PV2 BPSK	1	1	18.81	18.94	18.89	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				346000	349000	352000	23.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	21.35	21.60	21.32			
40	PI2 BPSK	1	108	21.36	21.58	21.28			
40	PI2 BPSK	1	214	21.27	21.50	21.27	23.0	0.0	
40	PI2 BPSK	108	0	21.21	21.43	21.16			
40	PI2 BPSK	108	54	21.33	21.55	21.28			
40	PI2 BPSK	108	108	21.25	21.51	21.24			
40	PI2 BPSK	216	0	21.25	21.53	21.24	23.0		
40	QPSK	1	1	21.02	21.28	20.97			
40	QPSK	1	108	21.20	21.43	21.14			
40	QPSK	1	214	21.04	21.28	21.02			
40	QPSK	108	0	21.22	21.45	21.22	22.5		
40	QPSK	108	54	21.13	21.43	21.17			
40	QPSK	108	108	21.28	21.49	21.19			
40	QPSK	216	0	21.24	21.52	21.29			
40	16QAM	1	1	21.30	21.52	21.38	22.5		
40	64QAM	1	1	20.52	20.53	20.48			
40	256QAM	1	1	18.23	18.24	18.23			
Channel				345000	349000	353000	Tune-up limit (dB)		
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	21.25	21.57	21.19			
Channel				344500	349000	353500	Tune-up limit (dBm)		
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	21.24	21.52	21.24			
Channel				344000	349000	354000	Tune-up limit (dBm)		
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	21.24	21.50	21.20			
Channel				343500	349000	354500	Tune-up limit (dB)		
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	21.25	21.56	21.28			
Channel				343000	349000	355000	Tune-up limit (dBm)		
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	21.32	21.57	21.30			
Channel				342500	349000	355500	Tune-up limit (dBm)		
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	21.28	21.48	21.27			
Channel				342000	349000	356000	Tune-up limit (dBm)		
Frequency (MHz)				1710	1745	1780			
5	PI2 BPSK	1	1	21.28	21.48	21.27			

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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				345000	349000	352000	23.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	21.17	21.27	21.12			
40	PI2 BPSK	1	108	21.15	21.12	21.06			
40	PI2 BPSK	1	214	21.08	21.21	21.14	23.0	0.0	
40	PI2 BPSK	108	0	21.19	21.21	21.10			
40	PI2 BPSK	108	54	21.05	21.25	21.10			
40	PI2 BPSK	108	108	21.06	21.11	21.05			
40	PI2 BPSK	216	0	21.08	21.20	21.05	23.0	0.0	
40	QPSK	1	1	21.11	21.23	21.09			
40	QPSK	1	108	21.16	21.22	21.20			
40	QPSK	1	214	21.25	21.07	21.07			
40	QPSK	108	0	20.65	20.83	20.80	22.5	0.5	
40	QPSK	108	54	21.11	21.20	21.07			
40	QPSK	108	108	20.78	21.00	20.75			
40	QPSK	216	0	20.68	20.70	20.78			
40	16QAM	1	1	20.57	20.69	20.68	22.5	0.5	
40	64QAM	1	1	18.74	18.97	18.85			
40	256QAM	1	1	17.42	17.71	17.44			
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	21.15	21.20	21.02			
Channel				344500	349000	353500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	21.08	21.14	21.08			
Channel				344000	349000	354000	Tune-up limit (dbm)	0.0	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	21.14	21.16	21.01			
Channel				343500	349000	354500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	21.12	21.22	21.03			
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	21.12	21.25	21.04			
Channel				342500	349000	355500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	21.11	21.19	21.10			



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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				500202	518598	530000		
Frequency (MHz)				2548.01	2592.99	2640		
100	PV2 BPSK	1	1	22.07	22.13	22.06		
100	PV2 BPSK	1	137	21.85	21.98	21.92	23.5	0.0
100	PV2 BPSK	1	271	22.01	22.05	22.05		
100	PV2 BPSK	135	0	21.88	22.09	22.01	23.5	0.0
100	PV2 BPSK	135	69	21.95	22.11	22.05	23.5	0.0
100	PV2 BPSK	135	138	21.93	22.01	22.00		
100	PV2 BPSK	270	0	22.02	22.10	22.05	23.5	0.0
100	QPSK	1	1	21.59	21.71	21.64		
100	QPSK	1	137	21.92	21.98	21.94	23.5	0.0
100	QPSK	1	271	21.88	22.03	21.95		
100	QPSK	135	0	21.93	22.01	21.85	23.5	0.0
100	QPSK	135	69	21.91	22.03	22.00		
100	QPSK	135	138	22.02	22.08	22.02		
100	QPSK	270	0	21.83	21.94	21.95	23.5	0.0
100	16QAM	1	1	22.08	21.95	22.05	23.5	0.0
100	64QAM	1	1	21.26	21.18	21.16	23.0	0.5
100	256QAM	1	1	18.13	19.26	19.25	21.0	2.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PV2 BPSK	1	1	22.08	22.07	22.04	23.5	0.0
Channel				530204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	PV2 BPSK	1	1	22.00	22.12	22.05	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2652		
70	PV2 BPSK	1	1	22.00	22.12	22.03	23.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PV2 BPSK	1	1	22.00	22.07	22.00	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PV2 BPSK	1	1	22.00	22.07	21.99	23.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2514.01	2592.99	2670		
40	PV2 BPSK	1	1	22.02	22.07	22.00	23.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PV2 BPSK	1	1	22.04	22.06	22.00	23.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.02	2592.99	2679.99		
20	PV2 BPSK	1	1	22.00	22.08	22.00	23.5	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PV2 BPSK	1	1	22.06	22.12	22.00	23.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PV2 BPSK	1	1	22.04	22.10	22.04	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				500202	518598	530000		
Frequency (MHz)				2548.01	2592.99	2640		
100	PV2 BPSK	1	1	19.00	19.12	19.01		
100	PV2 BPSK	1	137	18.80	18.82	18.79	20.0	0.0
100	PV2 BPSK	1	271	18.58	18.70	18.55		
100	PV2 BPSK	135	0	18.92	18.96	18.80	20.0	0.0
100	PV2 BPSK	135	69	18.95	19.05	18.80	20.0	0.0
100	PV2 BPSK	135	138	18.95	19.00	18.72		
100	PV2 BPSK	270	0	18.99	19.03	18.90	20.0	0.0
100	QPSK	1	1	18.55	18.60	18.41		
100	QPSK	1	137	18.84	18.82	18.69	20.0	0.0
100	QPSK	1	271	18.64	18.71	18.43		
100	QPSK	135	0	18.83	18.07	18.90		
100	QPSK	135	69	18.96	19.05	18.90	20.0	0.0
100	QPSK	135	138	18.87	18.93	18.83		
100	QPSK	270	0	18.83	18.94	18.78	20.0	0.0
100	16QAM	1	1	18.83	18.91	18.70	20.0	0.0
100	64QAM	1	1	18.90	18.96	18.96	20.0	0.0
100	256QAM	1	1	18.90	19.07	18.89	20.0	0.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PV2 BPSK	1	1	18.89	19.01	18.92	20.0	0.0
Channel				530204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	PV2 BPSK	1	1	18.97	19.02	18.93	20.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2652		
70	PV2 BPSK	1	1	18.88	19.10	18.93	20.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PV2 BPSK	1	1	18.89	19.02	18.90	20.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PV2 BPSK	1	1	18.94	19.10	18.92	20.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2514.01	2592.99	2670		
40	PV2 BPSK	1	1	18.87	19.06	18.94	20.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PV2 BPSK	1	1	18.91	19.08	18.92	20.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.02	2592.99	2679.99		
20	PV2 BPSK	1	1	18.93	19.06	18.99	20.0	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PV2 BPSK	1	1	18.89	19.05	18.99	20.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PV2 BPSK	1	1	18.95	19.09	18.99	20.0	0.0

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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)					3500.01			
100	PV2 BPSK	1	1		17.01			
100	PV2 BPSK	1	137		16.91		18.5	0.0
100	PV2 BPSK	1	271		16.88			
100	PV2 BPSK	135	0		16.93		18.5	0.0
100	PV2 BPSK	135	69		16.98		18.5	0.0
100	PV2 BPSK	135	138		16.85		18.5	0.0
100	PV2 BPSK	270	0		16.92		18.5	0.0
100	QPSK	1	1		16.85			
100	QPSK	1	137		16.93		18.5	0.0
100	QPSK	1	271		16.81			
100	QPSK	135	0		16.84			
100	QPSK	135	69		16.93		18.5	0.0
100	QPSK	135	138		16.84			
100	QPSK	270	0		16.92		18.5	0.0
100	16QAM	1	1		16.48		18.5	0.0
100	64QAM	1	1		16.58		18.5	0.0
100	256QAM	1	1		15.57		17.5	1.0
Channel								
Frequency (MHz)				3495	633334	633666	Tune-up limit (dBm)	MPR (dB)
				3495	3500.01	3504.99		
90	PV2 BPSK	1	1	16.90	16.92	16.82	18.5	0.0
Channel								
Frequency (MHz)				3498.02	633334	634000	Tune-up limit (dBm)	MPR (dB)
				3498.02	3500.01	3510		
80	PV2 BPSK	1	1	16.84	16.93	16.84	18.5	0.0
Channel								
Frequency (MHz)				3493.01	632234	634332	Tune-up limit (dBm)	MPR (dB)
				3493.01	3500.01	3514.98		
70	PV2 BPSK	1	1	16.89	16.90	16.87	18.5	0.0
Channel								
Frequency (MHz)				3492.00	633334	634666	Tune-up limit (dBm)	MPR (dB)
				3490	3500.01	3519.99		
60	PV2 BPSK	1	1	16.88	16.88	16.89	18.5	0.0
Channel								
Frequency (MHz)				3491.68	631668	635000	Tune-up limit (dBm)	MPR (dB)
				3485.02	3500.01	3525		
50	PV2 BPSK	1	1	16.91	16.88	16.85	18.5	0.0
Channel								
Frequency (MHz)				3491.34	633334	635332	Tune-up limit (dBm)	MPR (dB)
				3470.01	3500.01	3529.98		
40	PV2 BPSK	1	1	16.89	16.92	16.91	18.5	0.0
Channel								
Frequency (MHz)				3490.00	633334	635666	Tune-up limit (dBm)	MPR (dB)
				3465	3500.01	3534.99		
30	PV2 BPSK	1	1	16.93	16.88	16.90	18.5	0.0
Channel								
Frequency (MHz)				3493.68	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3462.01	3500.01	3537.98		
25	PV2 BPSK	1	1	16.90	16.88	16.86	18.5	0.0
Channel								
Frequency (MHz)				3490.68	633334	636000	Tune-up limit (dBm)	MPR (dB)
				3460.02	3500.01	3540		
20	PV2 BPSK	1	1	16.92	16.83	16.87	18.5	0.0
Channel								
Frequency (MHz)				3490.90	633334	636168	Tune-up limit (dBm)	MPR (dB)
				3457.5	3500.01	3542.49		
15	PV2 BPSK	1	1	16.85	16.95	16.89	18.5	0.0
Channel								
Frequency (MHz)				3491.00	633334	636332	Tune-up limit (dBm)	MPR (dB)
				3455.01	3500.01	3544.98		
10	PV2 BPSK	1	1	16.91	16.95	16.89	18.5	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	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	17.04	17.13	17.07	18.5	0.0
100	Pi2 BPSK	1	137	16.86	16.90	16.83		
100	Pi2 BPSK	1	271	16.53	16.63	16.52		
100	Pi2 BPSK	135	0	16.96	17.01	16.94	18.5	0.0
100	Pi2 BPSK	135	69	17.06	17.10	17.06	18.5	0.0
100	Pi2 BPSK	135	138	16.84	16.93	16.90	18.5	0.0
100	Pi2 BPSK	270	0	16.94	17.03	16.95		
100	QPSK	1	1	16.83	16.86	16.76		
100	QPSK	1	137	16.84	16.95	16.88	18.5	0.0
100	QPSK	1	271	16.50	16.61	16.56		
100	QPSK	135	0	16.99	17.05	17.03		
100	QPSK	135	69	16.91	17.02	16.93	18.5	0.0
100	QPSK	135	138	16.86	16.92	16.88		
100	QPSK	270	0	16.96	17.02	17.02		
100	19QAM	1	1	16.54	16.64	16.55	18.5	0.0
100	64QAM	1	1	16.60	16.70	16.65	18.5	0.0
100	256QAM	1	1	15.61	15.72	15.68	17.5	1.0
Channel				646668	656000	662332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dB)	(dB)
90	Pi2 BPSK	1	1	17.03	17.08	17.03	18.5	0.0
Channel				646334	655000	662666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dB)	(dB)
80	Pi2 BPSK	1	1	16.98	17.06	17.00	18.5	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3735	3840	3945	(dB)	(dB)
70	Pi2 BPSK	1	1	17.03	17.08	17.05	18.5	0.0
Channel				646668	656000	663332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dB)	(dB)
60	Pi2 BPSK	1	1	16.98	17.08	17.00	18.5	0.0
Channel				646334	655000	663666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dB)	(dB)
50	Pi2 BPSK	1	1	17.03	17.10	17.06	18.5	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3840	3950	(dB)	(dB)
40	Pi2 BPSK	1	1	16.98	17.08	17.00	18.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3840.00	3954.98	(dB)	(dB)
30	Pi2 BPSK	1	1	17.00	17.11	17.04	18.5	0.0
Channel				647500	655000	664500	Tune-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3840.00	3967.50	(dBm)	(dB)
25	Pi2 BPSK	1	1	17.00	17.08	17.05	18.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dB)	(dB)
20	Pi2 BPSK	1	1	17.03	17.10	17.04	18.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	Pi2 BPSK	1	1	17.02	17.06	17.01	18.5	0.0
Channel				647000	655000	665000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	Pi2 BPSK	1	1	17.00	17.11	17.02	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	633334	633334		
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1	15.43	15.43		17.0	0.0
100	Pi2 BPSK	1	137	15.32				
100	Pi2 BPSK	1	271	15.22				
100	Pi2 BPSK	135	0	15.25			17.0	0.0
100	Pi2 BPSK	135	69	15.39			17.0	0.0
100	Pi2 BPSK	135	138	15.37			17.0	0.0
100	Pi2 BPSK	270	0	15.37				
100	QPSK	1	1	14.98				
100	QPSK	1	137	15.32			17.0	0.0
100	QPSK	1	271	15.12				
100	QPSK	135	0	15.25				
100	QPSK	135	69	15.34			17.0	0.0
100	QPSK	135	138	15.36				
100	QPSK	270	0	15.42				
100	19QAM	1	1	15.31			17.0	0.0
100	64QAM	1	1	15.26			17.0	0.0
100	256QAM	1	1	15.25			17.0	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3504.99	(dB)	(dB)
90	Pi2 BPSK	1	1	15.34	15.33	15.26	17.0	0.0
Channel				632668	633334	633000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	Pi2 BPSK	1	1	15.27	15.31	15.26	17.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3466.01	3500.01	3515.99	(dB)	(dB)
70	Pi2 BPSK	1	1	15.30	15.34	15.33	17.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460	3500.01	3519.99	(dBm)	(dB)
60	Pi2 BPSK	1	1	15.25	15.37	15.27	17.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	Pi2 BPSK	1	1	15.30	15.34	15.30	17.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3529.98	(dB)	(dB)
40	Pi2 BPSK	1	1	15.27	15.30	15.33	17.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)
30	Pi2 BPSK	1	1	15.34	15.34	15.26	17.0	0.0
Channel				630634	633334	635932	Tune-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)	(dB)
25	Pi2 BPSK	1	1	15.30	15.35	15.27	17.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	Pi2 BPSK	1	1	15.29	15.32	15.33	17.0	0.0
Channel				630000	633334	636166	Tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)
15	Pi2 BPSK	1	1	15.35	15.36	15.26	17.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)
10	Pi2 BPSK	1	1	15.31	15.39	15.23	17.0	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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	15.53	15.60	15.52	17.0	0.0
100	Pi2 BPSK	1	137	15.56	15.49	15.39		
100	Pi2 BPSK	1	271	15.37	15.41	15.29		
100	Pi2 BPSK	135	0	15.53	15.56	15.56	17.0	0.0
100	Pi2 BPSK	135	69	15.48	15.57	15.51	17.0	0.0
100	Pi2 BPSK	135	138	15.52	15.49	15.50	17.0	0.0
100	Pi2 BPSK	270	0	15.43	15.45	15.40		
100	QPSK	1	1	15.29	15.39	15.31		
100	QPSK	1	137	15.44	15.58	15.48	17.0	0.0
100	QPSK	1	271	15.24	15.38	15.20		
100	QPSK	135	0	15.43	15.53	15.50		
100	QPSK	135	69	15.58	15.57	15.46	17.0	0.0
100	QPSK	135	138	15.47	15.51	15.55		
100	QPSK	270	0	15.42	15.54	15.55		
100	16QAM	1	1	15.02	15.13	14.96	17.0	0.0
100	64QAM	1	1	15.10	15.19	15.05	17.0	0.0
100	256QAM	1	1	15.05	15.16	15.03	17.0	0.0
Channel				650000	650000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	Pi2 BPSK	1	1	15.43	15.57	15.42	17.0	0.0
Channel				646334	650000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	Pi2 BPSK	1	1	15.44	15.57	15.47	17.0	0.0
Channel				646000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	Pi2 BPSK	1	1	15.42	15.53	15.41	17.0	0.0
Channel				646668	650000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	Pi2 BPSK	1	1	15.44	15.48	15.40	17.0	0.0
Channel				646334	650000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	Pi2 BPSK	1	1	15.40	15.58	15.50	17.0	0.0
Channel				646000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	Pi2 BPSK	1	1	15.48	15.48	15.48	17.0	0.0
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98	(dBm)	(dB)
30	Pi2 BPSK	1	1	15.47	15.47	15.50	17.0	0.0
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840.00	3967.99	(dBm)	(dB)
25	Pi2 BPSK	1	1	15.50	15.53	15.49	17.0	0.0
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840.00	3969.99	(dBm)	(dB)
20	Pi2 BPSK	1	1	15.47	15.55	15.41	17.0	0.0
Channel				647168	650000	664882	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	Pi2 BPSK	1	1	15.43	15.48	15.41	17.0	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	Pi2 BPSK	1	1	15.45	15.57	15.42	17.0	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				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	15.04			16.5	0.0	
100	PI2 BPSK	1	137	14.95					
100	PI2 BPSK	1	271	14.61					
100	PI2 BPSK	135	0	14.80			16.5	0.0	
100	PI2 BPSK	135	69	14.98			16.5	0.0	
100	PI2 BPSK	135	138	14.84			16.5	0.0	
100	PI2 BPSK	270	0	14.87			16.5	0.0	
100	QPSK	1	1	14.68					
100	QPSK	1	137	14.86					
100	QPSK	1	271	14.48			16.5	0.0	
100	QPSK	135	0	14.80					
100	QPSK	135	69	14.86					
100	QPSK	135	138	14.85			16.5	0.0	
100	QPSK	270	0	14.93			16.5	0.0	
100	15QAM	1	1	14.78			16.5	0.0	
100	64QAM	1	1	14.84			16.5	0.0	
100	256QAM	1	1	14.79			16.5	0.0	
Channel				633000	633334	633666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI2 BPSK	1	1	14.90	15.01	14.91	16.5	0.0	
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1	14.95	14.94	14.86	16.5	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1	14.87	15.01	14.89	16.5	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1	14.95	14.93	14.94	16.5	0.0	
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1	14.88	14.91	14.90	16.5	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI2 BPSK	1	1	14.93	14.98	14.84	16.5	0.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1	14.92	14.98	14.91	16.5	0.0	
Channel				630666	633334	635932	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1	14.93	14.92	14.94	16.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1	14.94	14.97	14.92	16.5	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1	14.95	14.98	14.92	16.5	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1	14.91	14.92	14.91	16.5	0.0	

Par27O 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				650000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	14.89	15.05	14.88	16.5	0.0	
100	PI2 BPSK	1	137	14.81	14.99	14.76			
100	PI2 BPSK	1	271	14.59	14.77	14.61			
100	PI2 BPSK	135	0	14.80	15.03	14.88	16.5	0.0	
100	PI2 BPSK	135	69	14.95	15.04	14.91	16.5	0.0	
100	PI2 BPSK	135	138	14.78	14.91	14.76	16.5	0.0	
100	PI2 BPSK	270	0	14.80	15.03	14.88			
100	QPSK	1	1	14.53	14.69	14.62			
100	QPSK	1	137	14.79	15.01	14.73	16.5	0.0	
100	QPSK	1	271	14.83	14.80	14.52			
100	QPSK	135	0	14.87	14.84	14.68			
100	QPSK	135	69	14.92	15.01	14.79	16.5	0.0	
100	QPSK	135	138	14.83	14.91	14.81			
100	QPSK	270	0	14.82	14.96	14.76	16.5	0.0	
100	15QAM	1	1	14.44	14.48	14.38	16.5	0.0	
100	64QAM	1	1	14.39	14.54	14.45	16.5	0.0	
100	256QAM	1	1	14.50	14.65	14.64	16.5	0.0	
Channel				648668	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98			
90	PI2 BPSK	1	1	14.82	14.95	14.78	16.5	0.0	
Channel				648334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	PI2 BPSK	1	1	14.80	14.96	14.82	16.5	0.0	
Channel				648000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945			
70	PI2 BPSK	1	1	14.82	14.97	14.86	16.5	0.0	
Channel				648668	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI2 BPSK	1	1	14.76	15.01	14.85	16.5	0.0	
Channel				648334	650000	653666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	PI2 BPSK	1	1	14.78	14.92	14.84	16.5	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3950			
40	PI2 BPSK	1	1	14.79	14.94	14.84	16.5	0.0	
Channel				647668	650000	654332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3940.00	3954.98			
30	PI2 BPSK	1	1	14.85	15.00	14.85	16.5	0.0	
Channel				647500	650000	654500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3712.5	3840.00	3967.50			
25	PI2 BPSK	1	1	14.84	14.98	14.84	16.5	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	PI2 BPSK	1	1	14.77	14.97	14.85	16.5	0.0	
Channel				647168	650000	654832	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48			
15	PI2 BPSK	1	1	14.78	15.00	14.72	16.5	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975			
10	PI2 BPSK	1	1	14.87	14.94	14.79	16.5	0.0	

Part27Q n78_Ant 4 PC3									
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				633000					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		16.95		18.0	0.0	
100	PI2 BPSK	1	137		16.91				
100	PI2 BPSK	1	271		16.56				
100	PI2 BPSK	135	0		16.88		18.0	0.0	
100	PI2 BPSK	135	69		16.92		18.0	0.0	
100	PI2 BPSK	135	138		16.80		18.0	0.0	
100	PI2 BPSK	270	0		16.85				
100	QPSK	1	1		16.82				
100	QPSK	1	137		16.86		18.0	0.0	
100	QPSK	1	271		16.53				
100	QPSK	135	0		16.80				
100	QPSK	135	69		16.89		18.0	0.0	
100	QPSK	135	138		16.82				
100	QPSK	270	0		16.84				
100	16QAM	1	1		16.81		18.0	0.0	
100	64QAM	1	1		16.80		18.0	0.0	
100	256QAM	1	1		16.90		17.5	0.5	
Channel				633000					
Frequency (MHz)				3500.01					
90	PI2 BPSK	1	1		16.79	16.90	16.84	18.0	MPR
Channel				632668			634000		
Frequency (MHz)				3490.02			3510		
80	PI2 BPSK	1	1		16.83	16.84	16.83	18.0	0.0
Channel				632234			633334		
Frequency (MHz)				3485.01			3504.98		
70	PI2 BPSK	1	1		16.83	16.85	16.85	18.0	0.0
Channel				632000			633334		
Frequency (MHz)				3475.02			3500.01		
60	PI2 BPSK	1	1		16.81	16.91	16.82	18.0	0.0
Channel				631668			633000		
Frequency (MHz)				3470.02			3500.01		
50	PI2 BPSK	1	1		16.78	16.89	16.78	18.0	0.0
Channel				631234			633334		
Frequency (MHz)				3470.01			3500.01		
40	PI2 BPSK	1	1		16.80	16.88	16.83	18.0	0.0
Channel				631000			633334		
Frequency (MHz)				3460			3500.01		
30	PI2 BPSK	1	1		16.87	16.87	16.75	18.0	0.0
Channel				630834			633334		
Frequency (MHz)				3462.51			3500.01		
25	PI2 BPSK	1	1		16.77	16.88	16.79	18.0	0.0
Channel				630668			633334		
Frequency (MHz)				3460.02			3500.01		
20	PI2 BPSK	1	1		16.84	16.90	16.84	18.0	0.0
Channel				630500			633334		
Frequency (MHz)				3457.5			3500.01		
15	PI2 BPSK	1	1		16.87	16.83	16.75	18.0	0.0
Channel				630334			633334		
Frequency (MHz)				3455.01			3500.01		
10	PI2 BPSK	1	1		16.87	16.91	16.84	18.0	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)				3750					
100	PI2 BPSK	1	1		17.15		18.0	0.0	
100	PI2 BPSK	1	137		17.01				
100	PI2 BPSK	1	271		16.92		18.0	0.0	
100	PI2 BPSK	135	0		16.91				
100	PI2 BPSK	135	69		17.11		18.0	0.0	
100	PI2 BPSK	135	138		17.01				
100	PI2 BPSK	270	0		17.05		18.0	0.0	
100	QPSK	1	1		16.71				
100	QPSK	1	137		16.88		18.0	0.0	
100	QPSK	1	271		16.81				
100	QPSK	135	0		16.90		18.0	0.0	
100	QPSK	135	69		17.02				
100	QPSK	135	138		17.08		18.0	0.0	
100	QPSK	270	0		16.90				
100	16QAM	1	1		16.95		18.0	0.0	
100	64QAM	1	1		16.91				
100	256QAM	1	1		17.10		17.5	0.5	
Channel				648668	650000	650332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	18.0	0.0	
90	PI2 BPSK	1	1		16.99	17.08	17.00	18.0	0.0
Channel				643334	650000	650666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	18.0	0.0	
80	PI2 BPSK	1	1		17.06	17.07	17.01	18.0	0.0
Channel				648000	650000	651000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735	3750	3765	18.0	0.0	
70	PI2 BPSK	1	1		17.04	17.09	17.04	18.0	0.0
Channel				648668	650000	651332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3750	3769.98	18.0	0.0	
60	PI2 BPSK	1	1		16.97	17.03	16.95	18.0	0.0
Channel				643334	650000	651666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	18.0	0.0	
50	PI2 BPSK	1	1		17.07	17.12	17.02	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3750	3780	18.0	0.0	
40	PI2 BPSK	1	1		17.01	17.06	16.99	18.0	0.0
Channel				647668	650000	652332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3750.00	3784.98	18.0	0.0	
30	PI2 BPSK	1	1		17.05	17.02	17.03	18.0	0.0
Channel				647500	650000	652500	Tune-up limit (dB)	MPR	
Frequency (MHz)				3712.5	3750.00	3787.50	18.0	0.0	
25	PI2 BPSK	1	1		17.03	17.09	17.04	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	18.0	0.0	
20	PI2 BPSK	1	1		17.05	17.06	16.99	18.0	0.0
Channel				647168	650000	652832	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.52	3750	3792.48	18.0	0.0	
15	PI2 BPSK	1	1		17.04	17.06	16.98	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705	3750	3795	18.0	0.0	
10	PI2 BPSK	1	1		17.02	17.11	17.04	18.0	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)	1	1		3500.01	15.53			
100	PI2 BPSK	1	1			15.46	17.0	0.0	
100	PI2 BPSK	1	137			15.24			
100	PI2 BPSK	1	271			15.37	17.0	0.0	
100	PI2 BPSK	135	0			15.45	17.0	0.0	
100	PI2 BPSK	135	69			15.42	17.0	0.0	
100	PI2 BPSK	135	138			15.41	17.0	0.0	
100	PI2 BPSK	270	0			15.41	17.0	0.0	
100	QPSK	1	1			15.31			
100	QPSK	1	137			15.51	17.0	0.0	
100	QPSK	1	271			15.31			
100	QPSK	135	0			15.41	17.0	0.0	
100	QPSK	135	69			15.41	17.0	0.0	
100	QPSK	135	138			15.50	17.0	0.0	
100	QPSK	270	0			15.39	17.0	0.0	
100	16QAM	1	1			15.11	17.0	0.0	
100	64QAM	1	1			15.06	17.0	0.0	
100	256QAM	1	1			15.35	17.0	0.0	
Channel									
	Frequency (MHz)	1	1	633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3504.99	17.0	0.0	
90	PI2 BPSK	1	1		15.37	15.48	15.39	17.0	0.0
Channel									
	Frequency (MHz)	1	1	632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3490.02	3500.01	3510	17.0	0.0	
80	PI2 BPSK	1	1		15.44	15.50	15.43	17.0	0.0
Channel									
	Frequency (MHz)	1	1	632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3514.98	17.0	0.0	
70	PI2 BPSK	1	1		15.37	15.47	15.39	17.0	0.0
Channel									
	Frequency (MHz)	1	1	632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3519.99	17.0	0.0	
60	PI2 BPSK	1	1		15.42	15.48	15.36	17.0	0.0
Channel									
	Frequency (MHz)	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525	17.0	0.0	
50	PI2 BPSK	1	1		15.41	15.44	15.36	17.0	0.0
Channel									
	Frequency (MHz)	1	1	631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
				3470.03	3500.01	3529.98	17.0	0.0	
40	PI2 BPSK	1	1		15.45	15.47	15.43	17.0	0.0
Channel									
	Frequency (MHz)	1	1	631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3534.99	17.0	0.0	
30	PI2 BPSK	1	1		15.35	15.40	15.38	17.0	0.0
Channel									
	Frequency (MHz)	1	1	630834	633334	635932	Tune-up limit (dBm)	MPR (dB)	
				3462.51	3500.01	3537.48	17.0	0.0	
25	PI2 BPSK	1	1		15.44	15.49	15.39	17.0	0.0
Channel									
	Frequency (MHz)	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540	17.0	0.0	
20	PI2 BPSK	1	1		15.41	15.46	15.41	17.0	0.0
Channel									
	Frequency (MHz)	1	1	630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500.01	3542.49	17.0	0.0	
15	PI2 BPSK	1	1		15.38	15.42	15.33	17.0	0.0
Channel									
	Frequency (MHz)	1	1	630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500.01	3544.98	17.0	0.0	
10	PI2 BPSK	1	1		15.45	15.46	15.35	17.0	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)				3750				
100	PI2 BPSK	1	1		15.54		17.0	0.0
100	PI2 BPSK	1	137		15.44			
100	PI2 BPSK	1	271		15.48		17.0	0.0
100	PI2 BPSK	135	0		15.30			
100	PI2 BPSK	135	69		15.53		17.0	0.0
100	PI2 BPSK	135	138		15.52			
100	PI2 BPSK	270	0		15.20		17.0	0.0
100	QPSK	1	1		15.20			
100	QPSK	1	137		15.50		17.0	0.0
100	QPSK	1	271		15.47			
100	QPSK	135	0		15.42		17.0	0.0
100	QPSK	135	69		15.53			
100	QPSK	135	138		15.43		17.0	0.0
100	QPSK	270	0		15.41			
100	16QAM	1	1		15.08		17.0	0.0
100	64QAM	1	1		15.02			
100	256QAM	1	1		15.45		17.0	0.0
Channel				648668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	PI2 BPSK	1	1	15.36	15.41	15.36	17.0	0.0
Channel				643334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI2 BPSK	1	1	15.40	15.41	15.37	17.0	0.0
Channel				648000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	PI2 BPSK	1	1	15.46	15.45	15.38	17.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	PI2 BPSK	1	1	15.40	15.42	15.34	17.0	0.0
Channel				643334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI2 BPSK	1	1	15.44	15.48	15.42	17.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI2 BPSK	1	1	15.42	15.41	15.36	17.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	PI2 BPSK	1	1	15.44	15.47	15.43	17.0	0.0
Channel				647500	650000	652500	Tune-up limit	MPR
Frequency (MHz)				3712.15	3750	3787.85	(dBm)	(dB)
25	PI2 BPSK	1	1	15.44	15.43	15.36	17.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	PI2 BPSK	1	1	15.46	15.49	15.38	17.0	0.0
Channel				647168	650000	652832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI2 BPSK	1	1	15.47	15.41	15.37	17.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI2 BPSK	1	1	15.46	15.48	15.36	17.0	0.0

Part27Q n78_Ant 7 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)				15.52					
100	PI2 BPSK	1	1		15.36		17.0		
100	PI2 BPSK	1	137		15.03				
100	PI2 BPSK	1	271		15.42				
100	PI2 BPSK	135	0		15.50		17.0	0.0	
100	PI2 BPSK	135	69		15.44		17.0	0.0	
100	PI2 BPSK	135	138		15.35		17.0	0.0	
100	QPSK	1	1		15.09		17.0		
100	QPSK	1	137		15.38				
100	QPSK	1	271		15.02				
100	QPSK	135	0		15.44		17.0	0.0	
100	QPSK	135	69		15.34		17.0		
100	QPSK	135	138		15.29				
100	QPSK	270	0		15.36			0.0	
100	16QAM	1	1		15.35		17.0	0.0	
100	64QAM	1	1		15.39		17.0	0.0	
100	256QAM	1	1		15.47		17.0	0.0	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	PI2 BPSK	1	1		15.40	15.40	15.38	17.0	0.0
Channel				632666	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	PI2 BPSK	1	1		15.38	15.40	15.36	17.0	0.0
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	PI2 BPSK	1	1		15.40	15.41	15.34	17.0	0.0
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	PI2 BPSK	1	1		15.41	15.40	15.35	17.0	0.0
Channel				631666	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	PI2 BPSK	1	1		15.36	15.46	15.40	17.0	0.0
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	PI2 BPSK	1	1		15.39	15.44	15.33	17.0	0.0
Channel				631000	633334	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)	
30	PI2 BPSK	1	1		15.35	15.40	15.32	17.0	0.0
Channel				630666	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)	(dB)	
25	PI2 BPSK	1	1		15.41	15.39	15.38	17.0	0.0
Channel				630666	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	PI2 BPSK	1	1		15.35	15.45	15.40	17.0	0.0
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	PI2 BPSK	1	1		15.34	15.42	15.39	17.0	0.0
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	PI2 BPSK	1	1		15.36	15.46	15.41	17.0	0.0

Part27O n78_Ant 7 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				650000		3750			
Frequency (MHz)									
100	PI2 BPSK	1	1		15.68		17.0		
100	PI2 BPSK	1	137		15.64				
100	PI2 BPSK	1	271		15.57				
100	PI2 BPSK	135	0		15.64		17.0	0.0	
100	PI2 BPSK	135	69		15.71		17.0	0.0	
100	PI2 BPSK	135	138		15.53		17.0	0.0	
100	PI2 BPSK	270	0		15.52		17.0	0.0	
100	QPSK	1	1		15.21		17.0		
100	QPSK	1	137		15.62				
100	QPSK	1	271		15.23				
100	QPSK	135	0		15.48		17.0	0.0	
100	QPSK	135	69		15.57		17.0		
100	QPSK	135	138		15.44				
100	QPSK	270	0		15.46			0.0	
100	16QAM	1	1		15.54		17.0	0.0	
100	64QAM	1	1		15.52		17.0	0.0	
100	256QAM	1	1		15.66		17.0	0.0	
Channel				649666	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	PI2 BPSK	1	1		15.60	15.65	15.58	17.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	PI2 BPSK	1	1		15.56	15.55	15.49	17.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	PI2 BPSK	1	1		15.51	15.65	15.57	17.0	0.0
Channel				648666	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	PI2 BPSK	1	1		15.59	15.59	15.53	17.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	PI2 BPSK	1	1		15.60	15.65	15.54	17.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	PI2 BPSK	1	1		15.57	15.61	15.53	17.0	0.0
Channel				647666	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)	
30	PI2 BPSK	1	1		15.59	15.65	15.53	17.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750.00	3787.50	(dBm)	(dB)	
25	PI2 BPSK	1	1		15.60	15.56	15.56	17.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.04	3750	3789.99	(dBm)	(dB)	
20	PI2 BPSK	1	1		15.58	15.63	15.54	17.0	0.0
Channel				647166	650000	652832	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)	
15	PI2 BPSK	1	1		15.50	15.58	15.57	17.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	PI2 BPSK	1	1		15.52	15.62	15.51	17.0	0.0



Reduced Power for DSI3

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				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	24.01				
25	PI2 BPSK	1	65	24.77			25.5	0.0
25	PI2 BPSK	1	131	23.85				
25	PI2 BPSK	64	0	24.18			25.0	0.5
25	PI2 BPSK	64	32	24.69			25.5	0.0
25	PI2 BPSK	64	66	23.93			25.0	0.5
25	PI2 BPSK	128	0	23.21				
25	QPSK	1	1	23.95				
25	QPSK	1	65	24.59			25.5	0.0
25	QPSK	1	131	23.82				
25	QPSK	64	0	23.62			24.5	1.0
25	QPSK	64	32	24.58			25.5	0.0
25	QPSK	64	66	23.44			24.5	1.0
25	QPSK	128	0	23.65				
25	16QAM	1	1	23.07			24.5	1.0
25	64QAM	1	1	21.27			23.0	2.5
25	256QAM	1	1	19.81			21.0	4.5
Channel				166800	167300	167800	Tune-up limit (dB)	MPR
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.62	24.75	24.58	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	24.52	24.63	24.52	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	24.57	24.62	24.48	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	24.51	24.66	24.65	25.5	0.0

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	23.85				
25	PI2 BPSK	1	65	24.47			25.7	0.0
25	PI2 BPSK	1	131	23.78				
25	PI2 BPSK	64	0	23.92			25.2	0.5
25	PI2 BPSK	64	32	24.44			25.7	0.0
25	PI2 BPSK	64	66	24.42			25.2	0.5
25	PI2 BPSK	128	0	23.65				
25	QPSK	1	1	23.78				
25	QPSK	1	65	24.36			25.7	0.0
25	QPSK	1	131	23.71				
25	QPSK	64	0	23.44			24.7	1.0
25	QPSK	64	32	24.35			25.7	0.0
25	QPSK	64	66	23.18			24.7	1.0
25	QPSK	128	0	23.35				
25	16QAM	1	1	22.74			24.7	1.0
25	64QAM	1	1	21.23			23.2	2.5
25	256QAM	1	1	19.59			21.2	4.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.30	24.58	24.33	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	24.37	24.39	24.28	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	24.39	24.41	24.35	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	24.31	24.43	24.28	25.7	0.0

n7_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				505000		507000	509000	
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.48	23.53	23.47		
50	PI2 BPSK	1	135	23.36	23.30	23.33	25.0	0.0
50	PI2 BPSK	1	268	23.39	23.43	23.21		
50	PI2 BPSK	135	0	23.32	23.30	23.27	24.5	0.5
50	PI2 BPSK	135	68	23.44	23.45	23.37	25.0	0.0
50	PI2 BPSK	135	135	23.43	23.40	23.27	24.5	0.5
50	PI2 BPSK	270	0	23.38	23.52	23.42		
50	QPSK	1	1	23.02	23.15	23.07		
50	QPSK	1	135	23.25	23.43	23.21	25.0	0.0
50	QPSK	1	268	23.32	23.41	23.24		
50	QPSK	135	0	22.81	22.95	22.83	24.0	1.0
50	QPSK	135	68	23.34	23.32	23.37	25.0	0.0
50	QPSK	135	135	22.81	23.08	22.91	24.0	1.0
50	QPSK	270	0	22.86	22.92	22.84		
50	16QAM	1	1	22.00	22.07	22.11	24.0	1.0
50	64QAM	1	1	20.51	20.53	20.63	22.5	2.5
50	256QAM	1	1	18.53	18.59	18.59	20.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	23.17	23.42	23.08	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	23.04	23.31	23.05	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	23.13	23.33	23.15	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2310	2535	2560		
20	PI2 BPSK	1	1	23.10	23.44	23.09	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	23.08	23.42	23.08	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	23.06	23.40	23.13	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	23.08	23.37	23.05	25.0	0.0



n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	25.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pl2 BPSK	1	1	24.60	24.61	24.55			
50	Pl2 BPSK	1	188	24.41	24.52	24.36			
50	Pl2 BPSK	1	268	24.35	24.32	24.39	25.0	0.5	
50	Pl2 BPSK	135	0	24.05	24.04	23.94			
50	Pl2 BPSK	135	68	24.44	24.51	24.35			
50	Pl2 BPSK	135	135	23.89	23.89	23.96			
50	Pl2 BPSK	220	0	23.90	24.04	23.96	25.5	0.0	
50	QPSK	1	1	24.26	24.42	24.16			
50	QPSK	1	135	24.34	24.36	24.35			
50	QPSK	1	268	24.19	24.29	24.24			
50	QPSK	135	0	23.30	23.46	23.39	24.5	1.0	
50	QPSK	135	68	24.42	24.59	24.49			
50	QPSK	135	135	24.18	24.18	24.11			
50	QPSK	270	0	23.26	23.41	23.39			
50	16QAM	1	1	22.81	22.78	22.73	24.5	1.0	
50	64QAM	1	1	22.54	22.49	22.58			
50	256QAM	1	1	18.67	18.75	18.73			
50	256QAM	1	1	18.67	18.75	18.73			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
40	Pl2 BPSK	1	1	24.40	24.47	24.30	25.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	Pl2 BPSK	1	1	24.58	24.47	24.27	25.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	Pl2 BPSK	1	1	24.54	24.47	24.40	25.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	Pl2 BPSK	1	1	24.40	24.48	24.39	25.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	Pl2 BPSK	1	1	24.52	24.48	24.33	25.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	Pl2 BPSK	1	1	24.52	24.48	24.27	25.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	Pl2 BPSK	1	1	24.52	24.54	24.52	25.5	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	22.35	22.46	22.44			
40	Pl2 BPSK	1	108	22.31	22.40	22.40			
40	Pl2 BPSK	1	214	22.30	22.31	22.37	23.5	0.5	
40	Pl2 BPSK	108	0	22.38	22.22	22.34			
40	Pl2 BPSK	108	54	22.40	22.45	22.37			
40	Pl2 BPSK	108	108	22.27	22.25	22.35			
40	Pl2 BPSK	216	0	22.35	22.40	22.25	24.0	0.0	
40	QPSK	1	1	22.22	22.24	22.17			
40	QPSK	1	108	22.19	22.30	22.21			
40	QPSK	1	214	22.30	22.38	22.22			
40	QPSK	108	0	21.69	21.80	21.84	23.0	1.0	
40	QPSK	108	54	22.30	22.35	22.25			
40	QPSK	108	108	21.88	21.88	21.72			
40	QPSK	216	0	21.72	21.79	21.65			
40	16QAM	1	1	21.06	21.13	20.95	23.0	1.0	
40	64QAM	1	1	19.74	19.74	19.71			
40	256QAM	1	1	17.45	17.50	17.53			
40	256QAM	1	1	17.45	17.50	17.53			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	Pl2 BPSK	1	1	22.30	22.40	22.40	24.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	Pl2 BPSK	1	1	22.27	22.42	22.32	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	Pl2 BPSK	1	1	22.21	22.34	22.32	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	Pl2 BPSK	1	1	22.23	22.43	22.37	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	Pl2 BPSK	1	1	22.25	22.33	22.38	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	Pl2 BPSK	1	1	22.21	22.31	22.33	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				346000	349000	352000	23.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	21.89	22.07	21.90			
40	Pl2 BPSK	1	108	21.79	22.03	21.74			
40	Pl2 BPSK	1	214	21.78	21.90	21.72	23.0	0.0	
40	Pl2 BPSK	108	0	21.93	22.02	21.85			
40	Pl2 BPSK	108	54	21.78	22.04	21.84			
40	Pl2 BPSK	108	108	21.77	22.03	21.85			
40	Pl2 BPSK	216	0	21.82	21.94	21.85	23.0	0.0	
40	QPSK	1	1	21.73	21.89	21.78			
40	QPSK	1	108	21.90	21.99	21.87			
40	QPSK	1	214	21.76	21.93	21.78			
40	QPSK	108	0	21.85	22.06	21.90	23.0	0.0	
40	QPSK	108	54	21.82	22.04	21.90			
40	QPSK	108	108	21.88	22.03	21.81			
40	QPSK	216	0	21.89	21.77	21.64			
40	16QAM	1	1	21.42	21.57	21.40	23.0	0.0	
40	64QAM	1	1	20.10	20.13	20.19			
40	256QAM	1	1	18.75	18.89	18.91			
40	256QAM	1	1	18.75	18.89	18.91			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	Pl2 BPSK	1	1	21.77	22.01	21.84	23.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	Pl2 BPSK	1	1	21.77	21.96	21.83	23.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	Pl2 BPSK	1	1	21.85	22.00	21.87	23.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	Pl2 BPSK	1	1	21.78	21.85	21.77	23.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	Pl2 BPSK	1	1	21.77	21.95	21.82	23.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	Pl2 BPSK	1	1	21.80	22.05	21.80	23.0	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				349000	349000	350000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	21.84	22.09	21.82	23.5	0.0	
40	PI2 BPSK	1	108	21.92	22.08	21.90			
40	PI2 BPSK	1	214	21.86	21.84	21.86			
40	PI2 BPSK	108	0	21.88	21.94	21.85	23.0	0.5	
40	PI2 BPSK	108	54	21.99	22.08	21.98	23.5	0.0	
40	PI2 BPSK	108	108	21.92	21.97	21.85	23.0	0.5	
40	PI2 BPSK	216	0	21.92	22.04	21.78			
40	QPSK	1	1	21.74	21.92	21.76	23.5	0.0	
40	QPSK	1	108	21.87	21.94	21.88			
40	QPSK	1	214	21.84	21.75	21.62			
40	QPSK	108	0	21.70	21.86	21.71	22.5	1.0	
40	QPSK	108	54	21.82	21.95	21.80	23.5	0.0	
40	QPSK	108	108	21.83	21.88	21.91	22.5	1.0	
40	QPSK	216	0	21.81	21.96	21.81			
40	16QAM	1	1	21.48	21.49	21.53	22.5	1.0	
40	64QAM	1	1	20.52	20.54	20.49	21.0	2.5	
40	256QAM	1	1	18.19	18.28	18.23	19.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	21.77	22.02	21.78	23.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	21.84	21.89	21.74	23.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	21.79	21.93	21.82	23.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	21.80	21.93	21.84	23.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	21.74	22.01	21.78	23.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	21.84	21.91	21.87	23.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	21.69	21.75	21.61	23.5	0.0	
40	PI2 BPSK	1	108	21.59	21.56	21.51			
40	PI2 BPSK	1	214	21.52	21.70	21.56			
40	PI2 BPSK	108	0	21.20	21.22	21.09	23.0	0.5	
40	PI2 BPSK	108	54	21.55	21.62	21.61	23.5	0.0	
40	PI2 BPSK	108	108	21.29	21.58	21.29	23.0	0.5	
40	QPSK	1	1	21.52	21.63	21.52	23.5	0.0	
40	QPSK	1	108	21.53	21.58	21.64			
40	QPSK	1	214	21.68	21.50	21.50			
40	QPSK	108	0	20.69	20.85	20.76	22.5	1.0	
40	QPSK	108	54	21.50	21.69	21.52	23.5	0.0	
40	QPSK	108	108	20.82	21.03	20.77	22.5	1.0	
40	QPSK	216	0	20.69	20.73	20.77			
40	16QAM	1	1	20.55	20.64	20.64	22.5	1.0	
40	64QAM	1	1	18.73	18.96	18.89	21.0	2.5	
40	256QAM	1	1	17.37	17.69	17.47	19.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	21.58	21.67	21.57	23.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	21.51	21.72	21.60	23.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	21.57	21.65	21.51	23.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	21.59	21.68	21.55	23.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	21.56	21.68	21.57	23.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	21.61	21.67	21.53	23.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508200	518598	530000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	24.04	24.12	24.04	25.5	0.0	
100	PI2 BPSK	1	137	23.88	23.98	23.97			
100	PI2 BPSK	1	271	24.03	24.04	24.08			
100	PI2 BPSK	135	0	23.41	23.54	23.60	25.0	0.5	0.0
100	PI2 BPSK	135	69	23.98	24.10	24.05	25.5	0.0	
100	PI2 BPSK	135	138	23.57	23.68	23.61	25.0	0.5	
100	PI2 BPSK	270	0	23.80	23.85	23.84			
100	QPSK	1	1	23.84	23.72	23.69			
100	QPSK	1	137	23.95	24.02	23.90	25.5	0.0	
100	QPSK	1	271	23.90	24.05	23.92			
100	QPSK	135	0	22.91	23.01	22.89			
100	QPSK	135	69	23.94	24.05	23.89	25.5	1.0	
100	QPSK	135	138	23.06	23.12	23.00			
100	QPSK	270	0	22.87	22.97	22.94			
100	16QAM	1	1	22.58	22.49	22.52	24.5	1.0	
100	64QAM	1	1	21.15	21.15	21.20	23.0	2.5	
100	256QAM	1	1	19.15	19.24	19.23	21.0	4.5	
Channel				508200	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	PI2 BPSK	1	1	23.92	23.97	23.98	25.5	0.0	
Channel				508200	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	PI2 BPSK	1	1	23.94	23.99	23.92	25.5	0.0	
Channel				508202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dBm)	(dB)	
70	PI2 BPSK	1	1	23.90	24.02	23.95	25.5	0.0	
Channel				508200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	PI2 BPSK	1	1	24.00	24.02	23.90	25.5	0.0	
Channel				508200	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	PI2 BPSK	1	1	23.92	23.96	23.98	25.5	0.0	
Channel				508202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	PI2 BPSK	1	1	23.92	24.01	23.92	25.5	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	PI2 BPSK	1	1	24.00	24.05	23.98	25.5	0.0	
Channel				508200	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	PI2 BPSK	1	1	23.94	24.01	23.98	25.5	0.0	
Channel				500700	518598	536498	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	PI2 BPSK	1	1	23.94	23.98	23.99	25.5	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	PI2 BPSK	1	1	23.91	23.95	23.93	25.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	530000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	24.03	24.13	24.00	25.0		0.0
100	PI2 BPSK	1	137	23.85	23.88	23.78			
100	PI2 BPSK	1	271	23.98	23.67	23.55			
100	PI2 BPSK	135	0	23.85	23.92	23.89	25.0	0.0	
100	PI2 BPSK	135	69	23.89	24.12	23.79	25.0	0.0	
100	PI2 BPSK	135	138	23.97	23.92	23.85	25.0		0.0
100	PI2 BPSK	270	0	23.97	24.08	23.77			
100	QPSK	1	1	23.48	23.45	23.39			
100	QPSK	1	137	23.80	23.94	23.61	25.0		0.0
100	QPSK	1	271	23.84	23.56	23.44			
100	QPSK	135	0	23.97	23.99	23.81			
100	QPSK	135	69	23.91	24.08	23.88	25.0		0.0
100	QPSK	135	138	24.02	23.96	23.70			
100	QPSK	270	0	23.24	23.28	23.21			
100	16QAM	1	1	22.99	23.12	22.92	24.0	0.5	
100	64QAM	1	1	21.83	21.86	21.80	22.5	2.0	
100	256QAM	1	1	19.72	19.75	19.71	20.5	4.0	
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541.01	2592.99	2644.98			
90	PI2 BPSK	1	1	23.95	24.07	23.92	25.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	23.91	24.00	23.90	25.0	0.0	
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2645			
70	PI2 BPSK	1	1	23.98	24.07	23.94	25.0	0.0	
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526.02	2592.99	2659.98			
60	PI2 BPSK	1	1	23.98	24.09	23.93	25.0	0.0	
Channel				508200	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	23.95	24.02	23.87	25.0	0.0	
Channel				508202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	23.97	24.09	23.94	25.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511.01	2592.99	2674.98			
30	PI2 BPSK	1	1	23.94	24.11	23.94	25.0	0.0	
Channel				508200	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	23.92	24.04	23.96	25.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.51	2592.99	2682.48			
15	PI2 BPSK	1	1	23.95	24.02	23.97	25.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	23.92	24.02	23.97	25.0	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					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		20.48		22.0	0.0	
100	PI2 BPSK	1	137		20.42				
100	PI2 BPSK	1	271		20.29				
100	PI2 BPSK	135	0		20.31		21.5	0.5	
100	PI2 BPSK	135	69		20.40		22.0	0.0	
100	PI2 BPSK	135	138		20.33		21.5	0.5	
100	PI2 BPSK	270	0		20.37				
100	QPSK	1	1		19.99				
100	QPSK	1	137		20.34		22.0	0.0	
100	QPSK	1	271		20.39				
100	QPSK	135	0		20.01				
100	QPSK	135	69		20.38		22.0	0.0	
100	QPSK	135	138		20.03				
100	QPSK	270	0		20.03				
100	16QAM	1	1		19.08		22.0	1.0	
100	64QAM	1	1		17.53		22.0	2.5	
100	256QAM	1	1		15.58		20.5	4.5	
Channel				630000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3496.20	3500.01	3504.99	(dBm)	(dB)	
90	PI2 BPSK	1	1	20.38	20.44	20.35	22.0	0.0	
Channel				630668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3496.02	3500.01	3510	(dBm)	(dB)	
80	PI2 BPSK	1	1	20.30	20.45	20.36	22.0	0.0	
Channel				631234	633334	634512	Tune-up limit	MPR	
Frequency (MHz)				3486.01	3500.01	3514.98	(dBm)	(dB)	
70	PI2 BPSK	1	1	20.29	20.42	20.32	22.0	0.0	
Channel				630000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3478.20	3500.01	3511.99	(dBm)	(dB)	
60	PI2 BPSK	1	1	20.38	20.35	20.34	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3476.02	3500.01	3525	(dBm)	(dB)	
50	PI2 BPSK	1	1	20.30	20.38	20.34	22.0	0.0	
Channel				631534	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3528.98	(dBm)	(dB)	
40	PI2 BPSK	1	1	20.31	20.37	20.35	22.0	0.0	
Channel				631000	633334	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)	
30	PI2 BPSK	1	1	20.36	20.36	20.40	22.0	0.0	
Channel				631834	633334	635832	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)	(dB)	
25	PI2 BPSK	1	1	20.29	20.44	20.37	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3530	(dBm)	(dB)	
20	PI2 BPSK	1	1	20.38	20.43	20.34	22.0	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	PI2 BPSK	1	1	20.38	20.45	20.32	22.0	0.0	
Channel				631632	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	PI2 BPSK	1	1	20.29	20.41	20.32	22.0	0.0	

Par270 n77_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				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PQ2 BPSK	1	1	20.55	20.62	20.53			
100	PQ2 BPSK	1	137	20.29	20.51	20.17			
100	PQ2 BPSK	1	271	20.29	20.40	20.14			
100	PQ2 BPSK	135	0	20.37	20.30	20.17	21.5	0.5	
100	PQ2 BPSK	135	69	20.48	20.50	20.46	22.0	0.0	
100	PQ2 BPSK	135	138	20.31	20.44	20.18			
100	PQ2 BPSK	270	0	20.52	20.61	20.43			
100	QPSK	1	1	20.08	20.28	20.20			
100	QPSK	1	137	20.16	20.33	20.18			
100	QPSK	1	271	19.95	19.86	19.97			
100	QPSK	135	0	20.18	20.32	20.18			
100	QPSK	135	69	20.24	20.36	20.13			
100	QPSK	135	138	20.15	20.12	20.20			
100	QPSK	270	0	20.23	20.35	20.05	22.0	1.0	
100	16QAM	1	1	19.43	19.59	19.38	22.0	1.0	
100	64QAM	1	1	17.67	17.86	17.85	22.0	2.5	
100	256QAM	1	1	15.43	15.71	15.61	20.5	4.5	
Channel				648668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PQ2 BPSK	1	1	20.43	20.56	20.47	22.0	0.0	
Channel				634034	650000	662006	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	PQ2 BPSK	1	1	20.37	20.58	20.44	22.0	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	PQ2 BPSK	1	1	20.42	20.51	20.41	22.0	0.0	
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PQ2 BPSK	1	1	20.39	20.54	20.49	22.0	0.0	
Channel				643334	650000	656006	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	PQ2 BPSK	1	1	20.44	20.58	20.44	22.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3950			
40	PQ2 BPSK	1	1	20.43	20.52	20.50	22.0	0.0	
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840.00	3964.98			
30	PQ2 BPSK	1	1	20.42	20.50	20.50	22.0	0.0	
Channel				643000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840.00	3967.50			
25	PQ2 BPSK	1	1	20.41	20.55	20.45	22.0	0.0	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3959.99			
20	PQ2 BPSK	1	1	20.41	20.52	20.47	22.0	0.0	
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48			
15	PQ2 BPSK	1	1	20.42	20.50	20.43	22.0	0.0	
Channel				643000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	PQ2 BPSK	1	1	20.37	20.54	20.45	22.0	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				633000	633334	633666			
Frequency (MHz)				3500.01					
100	PQ2 BPSK	1	1		21.44				
100	PQ2 BPSK	1	137		21.42				
100	PQ2 BPSK	1	271		21.08				
100	PQ2 BPSK	135	0		21.34		23.0	0.0	
100	PQ2 BPSK	135	69		21.41		23.0	0.0	
100	PQ2 BPSK	135	138		21.30				
100	PQ2 BPSK	270	0		21.23				
100	QPSK	1	1		21.05				
100	QPSK	1	137		21.35				
100	QPSK	1	271		21.14				
100	QPSK	135	0		21.22				
100	QPSK	135	69		21.29				
100	QPSK	135	138		21.40				
100	QPSK	270	0		21.30		23.0	0.0	
100	16QAM	1	1		21.18		23.0	0.0	
100	64QAM	1	1		21.19		23.0	0.0	
100	256QAM	1	1		19.28		21.0	2.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.98			
90	PQ2 BPSK	1	1	21.29	21.36	21.34	23.0	0.0	
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PQ2 BPSK	1	1	21.29	21.37	21.25	23.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.99			
70	PQ2 BPSK	1	1	21.38	21.38	21.33	23.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.98			
60	PQ2 BPSK	1	1	21.33	21.34	21.34	23.0	0.0	
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PQ2 BPSK	1	1	21.29	21.36	21.28	23.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PQ2 BPSK	1	1	21.31	21.35	21.27	23.0	0.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.98			
30	PQ2 BPSK	1	1	21.28	21.36	21.27	23.0	0.0	
Channel				630666	633334	635999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PQ2 BPSK	1	1	21.27	21.36	21.33	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PQ2 BPSK	1	1	21.28	21.39	21.31	23.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.48			
15	PQ2 BPSK	1	1	21.36	21.32	21.33	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PQ2 BPSK	1	1	21.31	21.38	21.27	23.0	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				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PQ2 BPSK	1	1	21.56	21.64	21.52			
100	PQ2 BPSK	1	137	21.44	21.51	21.46			
100	PQ2 BPSK	1	271	21.42	21.33	21.23			
100	PQ2 BPSK	135	0	21.37	21.53	21.45	23.0	0.0	
100	PQ2 BPSK	135	69	21.46	21.60	21.55	23.0	0.0	
100	PQ2 BPSK	135	138	21.46	21.54	21.56			
100	PQ2 BPSK	270	0	21.48	21.57	21.39			
100	QPSK	1	1	21.30	21.41	21.22			
100	QPSK	1	137	21.50	21.52	21.59			
100	QPSK	1	271	21.23	21.38	21.25			
100	QPSK	135	0	21.32	21.47	21.45			
100	QPSK	135	69	21.55	21.57	21.60			
100	QPSK	135	138	21.46	21.58	21.45			
100	QPSK	270	0	21.47	21.55	21.50	23.0	0.0	
100	16QAM	1	1	20.88	21.05	20.93	23.0	0.0	
100	64QAM	1	1	21.08	21.11	21.04	23.0	0.0	
100	256QAM	1	1	18.08	19.05	19.03	21.0	2.0	
Channel				648668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PQ2 BPSK	1	1	21.48	21.60	21.30	23.0	0.0	
Channel				634034	650000	662006	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	PQ2 BPSK	1	1	21.49	21.57	21.44	23.0	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	PQ2 BPSK	1	1	21.46	21.55	21.40	23.0	0.0	
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PQ2 BPSK	1	1	21.51	21.58	21.45	23.0	0.0	
Channel				643334	650000	656006	Tune-up limit (dBm)	MPR (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				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	17.13			18.0	0.0
100	PI2 BPSK	1	137	17.03				
100	PI2 BPSK	1	271	16.89			18.0	0.0
100	PI2 BPSK	135	0	16.92				
100	PI2 BPSK	135	69	17.10			18.0	0.0
100	PI2 BPSK	135	138	17.07				
100	PI2 BPSK	270	0	17.06			18.0	0.0
100	QPSK	1	1	16.84				
100	QPSK	1	137	17.11			18.0	0.0
100	QPSK	1	271	16.98				
100	QPSK	135	0	17.01			18.0	0.0
100	QPSK	135	69	17.07				
100	QPSK	135	138	17.08			18.0	0.0
100	QPSK	270	0	17.05				
100	16QAM	1	1	17.01			18.0	0.0
100	64QAM	1	1	17.00			18.0	0.0
100	256QAM	1	1	17.11			18.0	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI2 BPSK	1	1	16.98	17.03	16.98	18.0	0.0
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3500.01	3510		
80	PI2 BPSK	1	1	17.04	17.09	16.97	18.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465.01	3500.01	3514.98		
70	PI2 BPSK	1	1	17.05	17.07	17.00	18.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3510.99		
60	PI2 BPSK	1	1	17.00	17.03	16.95	18.0	0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI2 BPSK	1	1	16.96	17.01	17.01	18.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI2 BPSK	1	1	17.01	17.05	16.98	18.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI2 BPSK	1	1	17.02	17.03	16.96	18.0	0.0
Channel				630666	633334	635998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.48		
25	PI2 BPSK	1	1	16.97	17.03	16.95	18.0	0.0
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI2 BPSK	1	1	17.01	17.03	16.97	18.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49		
15	PI2 BPSK	1	1	16.99	17.07	17.00	18.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	PI2 BPSK	1	1	16.97	17.02	17.00	18.0	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				650000 650000 650000				
Frequency (MHz)				37500 3840 3930				
100	PI2 BPSK	1	1	17.15	17.18	16.94	18.0	0.0
100	PI2 BPSK	1	137	16.84	16.94	16.71		
100	PI2 BPSK	1	271	16.56	16.60	16.31	18.0	0.0
100	PI2 BPSK	135	0	17.01	17.05	16.79		
100	PI2 BPSK	135	69	17.03	17.12	16.87	18.0	0.0
100	PI2 BPSK	135	138	16.94	16.98	16.88		
100	PI2 BPSK	270	0	16.97	17.05	16.90	18.0	0.0
100	QPSK	1	1	16.81	16.86	16.61		
100	QPSK	1	137	16.97	17.00	16.74	18.0	0.0
100	QPSK	1	271	16.83	16.72	16.49		
100	QPSK	135	0	16.96	17.05	16.80	18.0	0.0
100	QPSK	135	69	17.02	17.11	16.83		
100	QPSK	135	138	16.91	16.97	16.73	18.0	0.0
100	QPSK	270	0	16.99	17.08	16.82		
100	16QAM	1	1	17.12	17.15	16.89	18.0	0.0
100	64QAM	1	1	17.01	17.10	16.90	18.0	0.0
100	256QAM	1	1	17.09	17.11	16.84	18.0	0.0
Channel				648668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3834.98	(dBm)	(dB)
90	PI2 BPSK	1	1	17.11	17.17	16.93	18.0	0.0
Channel				648334	650000	652506	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3839.99	(dBm)	(dB)
80	PI2 BPSK	1	1	17.12	17.16	16.91	18.0	0.0
Channel				648000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3845	(dBm)	(dB)
70	PI2 BPSK	1	1	17.10	17.17	16.93	18.0	0.0
Channel				648668	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3849.98	(dBm)	(dB)
60	PI2 BPSK	1	1	17.09	17.17	16.87	18.0	0.0
Channel				648334	650000	653506	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3854.99	(dBm)	(dB)
50	PI2 BPSK	1	1	17.12	17.14	16.91	18.0	0.0
Channel				648000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3850	(dBm)	(dB)
40	PI2 BPSK	1	1	17.13	17.16	16.91	18.0	0.0
Channel				647668	650000	654332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840.00	3854.98	(dBm)	(dB)
30	PI2 BPSK	1	1	17.10	17.13	16.92	18.0	0.0
Channel				647334	650000	654506	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3860.99	(dBm)	(dB)
25	PI2 BPSK	1	1	17.11	17.12	16.89	18.0	0.0
Channel				647334	650000	654668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3869.98	(dBm)	(dB)
20	PI2 BPSK	1	1	17.09	17.11	16.87	18.0	0.0
Channel				647168	650000	654832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3872.48	(dBm)	(dB)
15	PI2 BPSK	1	1	17.09	17.13	16.92	18.0	0.0
Channel				647000	650000	655000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3875	(dBm)	(dB)
10	PI2 BPSK	1	1	17.12	17.13	16.89	18.0	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				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	17.13			19.0	0.0
100	PI2 BPSK	1	137	17.39				
100	PI2 BPSK	1	271	17.14			19.0	0.0
100	PI2 BPSK	135	0	17.29				
100	PI2 BPSK	135	69	17.46			19.0	0.0
100	PI2 BPSK	135	138	17.45				
100	PI2 BPSK	270	0	17.40			19.0	0.0
100	QPSK	1	1	17.20				
100	QPSK	1	137	17.37			19.0	0.0
100	QPSK	1	271	17.08				
100	QPSK	135	0	17.37			19.0	0.0
100	QPSK	135	69	17.43				
100	QPSK	135	138	17.42			19.0	0.0
100	QPSK	270	0	17.27				
100	16QAM	1	1	17.28			19.0	0.0
100	64QAM	1	1	17.33			19.0	0.0
100	256QAM	1	1	15.63			17.5	1.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI2 BPSK	1	1	17.38	17.40	17.42	19.0	0.0
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI2 BPSK	1	1	17.41	17.44	17.37	19.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI2 BPSK	1	1	17.36	17.47	17.38	19.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI2 BPSK	1	1	17.39	17.41	17.41	19.0	0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI2 BPSK	1	1	17.37	17.47	17.35	19.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI2 BPSK	1	1	17.50	17.41	17.38	19.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI2 BPSK	1	1	17.36	17.50	17.39	19.0	0.0
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.01	3500.01	3539.98		
25	PI2 BPSK	1	1	17.40	17.47	17.34	19.0	0.0
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.02	3500.01	3540		
20	PI2 BPSK	1	1	17.28	17.41	17.23	19.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49		
15	PI2 BPSK	1	1	14.71	17.46	17.40	19.0	0.0
Channel				630333	633334	636333	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	PI2 BPSK	1	1	17.36	17.40	17.40	19.0	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				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.40	17.55	17.48	19.0	0.0	
100	PI2 BPSK	1	137	17.38	17.49	17.39			
100	PI2 BPSK	1	271	16.98	17.21	17.00			
100	PI2 BPSK	135	0	17.21	17.82	17.29	19.0	0.0	
100	PI2 BPSK	135	69	17.43	17.53	17.41	19.0	0.0	
100	PI2 BPSK	135	138	17.20	17.41	17.25	19.0	0.0	
100	PI2 BPSK	270	0	17.39	17.52	17.36	19.0	0.0	
100	QPSK	1	1	17.05	17.19	16.97	19.0	0.0	
100	QPSK	1	137	17.37	17.44	17.38			
100	QPSK	1	271	17.02	17.17	17.10			
100	QPSK	135	0	17.85	17.38	17.07	19.0	0.0	
100	QPSK	135	69	17.33	17.41	17.36			
100	QPSK	135	138	17.22	17.43	17.23			
100	QPSK	270	0	17.22	17.51	17.27	19.0	0.0	
100	16QAM	1	1	18.93	18.98	18.85	19.0	0.0	
100	64QAM	1	1	18.94	17.13	16.90	19.0	0.0	
100	256QAM	1	1	15.59	15.49	15.54	17.5	1.5	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
90	PI2 BPSK	1	1	17.32	17.48	17.36	19.0	0.0	
Channel				641334	650000	650686	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	PI2 BPSK	1	1	17.38	17.46	17.37	19.0	0.0	
Channel				649000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)	
70	PI2 BPSK	1	1	17.28	17.53	17.39	19.0	0.0	
Channel				648668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)	
60	PI2 BPSK	1	1	17.35	17.40	17.41	19.0	0.0	
Channel				641334	650000	650386	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	PI2 BPSK	1	1	17.31	17.43	17.45	19.0	0.0	
Channel				648000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	PI2 BPSK	1	1	17.37	17.45	17.41	19.0	0.0	
Channel				647668	650000	650432	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840.00	3964.98	(dBm)	(dB)	
30	PI2 BPSK	1	1	17.35	17.44	17.39	19.0	0.0	
Channel				647000	650000	650400	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3840.00	3967.50	(dBm)	(dB)	
25	PI2 BPSK	1	1	17.32	17.44	17.42	19.0	0.0	
Channel				647334	650000	650686	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	PI2 BPSK	1	1	17.30	17.45	17.37	19.0	0.0	
Channel				647168	650000	650432	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)	
15	PI2 BPSK	1	1	17.27	17.53	17.44	19.0	0.0	
Channel				647000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	PI2 BPSK	1	1	17.31	17.42	17.45	19.0	0.0	

Part27Q n78_Ant 4 PC3									
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				633000	633334	633666			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI2 BPSK	1	1	18.44	18.44	18.44	20.0	0.0	
100	PI2 BPSK	1	137	18.22	18.22	18.22			
100	PI2 BPSK	1	271	18.26	18.26	18.26			
100	PI2 BPSK	135	0	18.35	18.35	18.35	20.0	0.0	
100	PI2 BPSK	135	69	18.39	18.39	18.39	20.0	0.0	
100	PI2 BPSK	135	138	18.36	18.36	18.36	20.0	0.0	
100	PI2 BPSK	270	0	18.25	18.25	18.25	20.0	0.0	
100	QPSK	1	1	18.13	18.13	18.13			
100	QPSK	1	137	18.20	18.20	18.20			
100	QPSK	1	271	18.23	18.23	18.23	20.0	0.0	
100	QPSK	135	0	18.21	18.21	18.21			
100	QPSK	135	69	18.32	18.32	18.32			
100	QPSK	135	138	18.30	18.30	18.30	20.0	0.0	
100	QPSK	270	0	18.29	18.29	18.29	20.0	0.0	
100	16QAM	1	1	18.41	18.41	18.41	20.0	0.0	
100	64QAM	1	1	18.40	18.40	18.40	20.0	0.0	
100	256QAM	1	1	17.19	17.19	17.19	18.0	2.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3504.99			
90	PI2 BPSK	1	1	18.26	18.39	18.29	20.0	0.0	
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	PI2 BPSK	1	1	18.27	18.36	18.25	20.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1	18.36	18.36	18.27	20.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1	18.27	18.41	18.27	20.0	0.0	
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1	18.27	18.38	18.27	20.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3524.98			
40	PI2 BPSK	1	1	18.32	18.39	18.29	20.0	0.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1	18.36	18.32	18.28	20.0	0.0	
Channel				630666	633334	635999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1	18.36	18.37	18.29	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1	18.32	18.40	18.26	20.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1	18.26	18.38	18.28	20.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1	18.34	18.40	18.24	20.0	0.0	

Part27O n78_Ant 4 PC3									
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	650000				
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	18.88			20.0	0.0	
100	PI2 BPSK	1	137	18.63					
100	PI2 BPSK	1	271	18.57					
100	PI2 BPSK	135	0	18.63			20.0	0.0	
100	PI2 BPSK	135	69	18.66			20.0	0.0	
100	PI2 BPSK	135	138	18.62			20.0	0.0	
100	PI2 BPSK	270	0	18.65			20.0	0.0	
100	QPSK	1	1	18.45					
100	QPSK	1	137	18.58					
100	QPSK	1	271	18.58			20.0	0.0	
100	QPSK	135	0	18.81					
100	QPSK	135	69	18.62			20.0	0.0	
100	QPSK	135	138	18.63					
100	QPSK	270	0	18.63			20.0	0.0	
100	16QAM	1	1	18.25			20.0	0.0	
100	64QAM	1	1	18.22			20.0	0.0	
100	256QAM	1	1	17.38			18.5	2.0	
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3746.02	3750	3754.98	(dBm)		
90	PI2 BPSK	1	1	18.58	18.61	18.51	20.0	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	PI2 BPSK	1	1	18.58	18.63	18.48	20.0	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	PI2 BPSK	1	1	18.52	18.55	18.54	20.0	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)		
60	PI2 BPSK	1	1	18.55	18.60	18.50	20.0	0.0	
Channel				648334	650000	651006	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3726.01	3750	3774.99	(dBm)		
50	PI2 BPSK	1	1	18.54	18.63	18.48	20.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	PI2 BPSK	1	1	18.58	18.61	18.53	20.0	0.0	
Channel				647688	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3794.98	(dBm)		
30	PI2 BPSK	1	1	18.53	18.56	18.57	20.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	PI2 BPSK	1	1	18.59	18.64	18.52	20.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)		
20	PI2 BPSK	1	1	18.58	18.64	18.56	20.0	0.0	
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)		
15	PI2 BPSK	1	1	18.51	18.57	18.40	20.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	PI2 BPSK	1	1	18.53	18.62	18.48	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				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		20.42		22.0	0.0	
100	PI2 BPSK	1	137		20.42				
100	PI2 BPSK	1	271		20.25				
100	PI2 BPSK	135	0		20.47		22.0	0.0	
100	PI2 BPSK	135	66		20.48		22.0	0.0	
100	PI2 BPSK	135	138		20.39		22.0	0.0	
100	PI2 BPSK	270	0		20.42				
100	QPSK	1	1		20.20				
100	QPSK	1	137		20.45		22.0	0.0	
100	QPSK	1	271		20.23				
100	QPSK	135	0		20.50		22.0	0.0	
100	QPSK	135	66		20.36				
100	QPSK	135	138		20.52		22.0	0.0	
100	QPSK	270	0		20.48		22.0	0.0	
100	16QAM	1	1		20.04		22.0	0.0	
100	64QAM	1	1		20.13		22.0	0.0	
100	256QAM	1	1		20.34		20.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3504.98			
90	PI2 BPSK	1	1		20.41	20.43	20.35	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		20.42	20.46	20.34	22.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3466.01	3500.01	3514.98			
70	PI2 BPSK	1	1		20.35	20.42	20.33	22.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500.01	3519.99			
60	PI2 BPSK	1	1		20.43	20.49	20.39	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		20.36	20.42	20.38	22.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3520.98			
40	PI2 BPSK	1	1		20.40	20.40	20.41	22.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.98			
30	PI2 BPSK	1	1		20.42	20.42	20.33	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI2 BPSK	1	1		20.36	20.40	20.34	22.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1		20.34	20.40	20.36	22.0	0.0
Channel				630000	633334	636666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.48			
15	PI2 BPSK	1	1		20.35	20.48	20.41	22.0	0.0
Channel				630000	633334	636998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		20.44	20.42	20.39	22.0	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					3750				
Frequency (MHz)					20.58				
100	PI2 BPSK	1	1		20.44		22.0	0.0	
100	PI2 BPSK	1	137		20.49				
100	PI2 BPSK	1	271		20.49				
100	PI2 BPSK	135	0		20.31		22.0	0.0	
100	PI2 BPSK	135	66		20.54		22.0	0.0	
100	PI2 BPSK	135	138		20.46		22.0	0.0	
100	PI2 BPSK	270	0		20.52				
100	QPSK	1	1		20.14				
100	QPSK	1	137		20.53		22.0	0.0	
100	QPSK	1	271		20.54				
100	QPSK	135	0		20.28		22.0	0.0	
100	QPSK	135	66		20.55				
100	QPSK	135	138		20.53		22.0	0.0	
100	QPSK	270	0		20.40		22.0	0.0	
100	16QAM	1	1		19.87		22.0	0.0	
100	64QAM	1	1		20.02		22.0	0.0	
100	256QAM	1	1		20.41		20.5	0.0	
Channel				648666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI2 BPSK	1	1		20.50	20.51	20.41	22.0	0.0
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI2 BPSK	1	1		20.48	20.55	20.48	22.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PI2 BPSK	1	1		20.44	20.51	20.45	22.0	0.0
Channel				647666	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3759.98			
60	PI2 BPSK	1	1		20.44	20.51	20.43	22.0	0.0
Channel				647334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI2 BPSK	1	1		20.44	20.51	20.42	22.0	0.0
Channel				647000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3722	3750	3768			
40	PI2 BPSK	1	1		20.40	20.48	20.47	22.0	0.0
Channel				646666	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3764.98			
30	PI2 BPSK	1	1		20.45	20.53	20.40	22.0	0.0
Channel				646334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3768.98			
25	PI2 BPSK	1	1		20.41	20.45	20.42	22.0	0.0
Channel				646000	650000	652999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3762.48			
20	PI2 BPSK	1	1		20.44	20.50	20.45	22.0	0.0
Channel				645666	650000	653332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.51	3750	3762.49			
15	PI2 BPSK	1	1		20.41	20.47	20.44	22.0	0.0
Channel				645334	650000	653666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3765			
10	PI2 BPSK	1	1		20.44	20.51	20.47	22.0	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					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		18.05		19.0	0.0	
100	PI2 BPSK	1	137		17.80				
100	PI2 BPSK	1	271		17.80				
100	PI2 BPSK	135	0		17.97		19.0	0.0	
100	PI2 BPSK	135	66		17.98		19.0	0.0	
100	PI2 BPSK	135	138		17.84		19.0	0.0	
100	PI2 BPSK	270	0		17.97		19.0	0.0	
100	QPSK	1	1		17.74				
100	QPSK	1	137		17.85		19.0	0.0	
100	QPSK	1	271		17.71				
100	QPSK	135	0		17.96		19.0	0.0	
100	QPSK	135	66		18.03		19.0	0.0	
100	QPSK	135	138		17.90				
100	QPSK	270	0		17.95		19.0	0.0	
100	16QAM	1	1		17.84		19.0	0.0	
100	64QAM	1	1		17.87		19.0	0.0	
100	256QAM	1	1		17.91		19.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3504.99			
90	PI2 BPSK	1	1		17.94	18.00	17.91	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3510			
80	PI2 BPSK	1	1		17.95	18.02	17.93	19.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.01	3500.01	3514.98			
70	PI2 BPSK	1	1		17.97	18.01	17.93	19.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500.01	3519.99			
60	PI2 BPSK	1	1		17.96	17.96	17.87	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		17.90	18.00	17.91	19.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3520.98			
40	PI2 BPSK	1	1		17.94	18.00	17.90	19.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		17.91	17.93	17.90	19.0	0.0
Channel				630664	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.01	3500.01	3539.98			
20	PI2 BPSK	1	1		17.87	17.96	17.93	19.0	0.0
Channel				630688	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.02	3500.01	3549.99			
10	PI2 BPSK	1	1		17.98	17.97	17.99	19.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1		18.09	18.02	17.91	19.0	0.0
Channel				630333	633334	636333	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		17.90	17.97	17.92	19.0	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				65000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1	18.03			19.0	0.0
100	PI2 BPSK	1	137	17.98				
100	PI2 BPSK	1	271	17.85				
100	PI2 BPSK	135	0	17.86				
100	PI2 BPSK	135	69	17.99			19.0	0.0
100	PI2 BPSK	135	138	17.84			19.0	0.0
100	PI2 BPSK	270	0	17.86				
100	QPSK	1	1	17.71			19.0	0.0
100	QPSK	1	137	18.01				
100	QPSK	1	271	17.66				
100	QPSK	135	0	17.92				
100	QPSK	135	69	17.88			19.0	0.0
100	QPSK	135	138	17.87				
100	QPSK	270	0	17.96			19.0	0.0
100	16QAM	1	1	17.91			19.0	0.0
100	64QAM	1	1	17.93			19.0	0.0
100	256QAM	1	1	17.91			19.0	0.0
Channel				64968	65000	65032	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	17.88	17.88	17.88	19.0	0.0
Channel				64933	65000	65066	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	17.92	17.94	17.87	19.0	0.0
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	17.92	17.95	17.91	19.0	0.0
Channel				64868	65000	65132	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	17.87	17.95	17.85	19.0	0.0
Channel				64834	65000	65166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	17.86	17.91	17.87	19.0	0.0
Channel				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	17.86	17.95	17.93	19.0	0.0
Channel				64768	65000	65232	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI2 BPSK	1	1	17.90	17.99	17.90	19.0	0.0
Channel				64734	65000	65266	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
25	PI2 BPSK	1	1	17.94	17.93	17.90	19.0	0.0
Channel				64734	65000	65266	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1	17.89	17.95	17.85	19.0	0.0
Channel				64718	65000	65282	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	17.95	17.87	17.86	19.0	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	17.89	17.99	17.83	19.0	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)	
Channel				63334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	18.02			19.5	0.0
100	PI2 BPSK	1	137	17.80				
100	PI2 BPSK	1	271	17.67				
100	PI2 BPSK	135	0	17.79				
100	PI2 BPSK	135	69	17.95			19.5	0.0
100	PI2 BPSK	135	138	17.87			19.5	0.0
100	PI2 BPSK	270	0	17.80				
100	QPSK	1	1	17.59			19.5	0.0
100	QPSK	1	137	17.89				
100	QPSK	1	271	17.61				
100	QPSK	135	0	17.81				
100	QPSK	135	69	17.91			19.5	0.0
100	QPSK	135	138	17.72				
100	QPSK	270	0	17.76			19.5	0.0
100	16QAM	1	1	17.87			19.5	0.0
100	64QAM	1	1	17.89			19.5	0.0
100	256QAM	1	1	17.23			17.5	2.0
Channel				63300	63334	63366	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI2 BPSK	1	1	17.80	17.89	17.84	19.5	0.0
Channel				63266	63334	63400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI2 BPSK	1	1	17.94	17.99	17.85	19.5	0.0
Channel				63234	63334	63432	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.99		
70	PI2 BPSK	1	1	17.92	17.99	17.87	19.5	0.0
Channel				63200	63334	63466	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI2 BPSK	1	1	17.85	17.91	17.86	19.5	0.0
Channel				63166	63334	63500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI2 BPSK	1	1	17.88	17.98	17.89	19.5	0.0
Channel				63134	63334	63532	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.99		
40	PI2 BPSK	1	1	17.92	17.92	17.82	19.5	0.0
Channel				63100	63334	63566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI2 BPSK	1	1	17.92	17.91	17.83	19.5	0.0
Channel				63094	63334	63592	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.48		
25	PI2 BPSK	1	1	17.93	17.95	17.84	19.5	0.0
Channel				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI2 BPSK	1	1	17.89	17.89	17.86	19.5	0.0
Channel				63050	63334	63618	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.48		
15	PI2 BPSK	1	1	17.88	17.89	17.90	19.5	0.0
Channel				63034	63334	63632	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	PI2 BPSK	1	1	17.89	17.92	17.85	19.5	0.0

Part27O n78_Ant 7 PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)							3750				
100	PI2 BPSK	1	1	18.20			19.5	0.0			
100	PI2 BPSK	1	137	18.10							
100	PI2 BPSK	1	271	18.06							
100	PI2 BPSK	135	0	18.09							
100	PI2 BPSK	135	69	18.14			19.5	0.0			
100	PI2 BPSK	135	138	18.01			19.5	0.0			
100	PI2 BPSK	270	0	18.06							
100	QPSK	1	1	17.74			19.5	0.0			
100	QPSK	1	137	18.06							
100	QPSK	1	271	18.03							
100	QPSK	135	0	18.09							
100	QPSK	135	69	18.08			19.5	0.0			
100	QPSK	135	138	17.96							
100	QPSK	270	0	18.01			19.5	0.0			
100	16QAM	1	1	18.05			19.5	0.0			
100	64QAM	1	1	18.14			19.5	0.0			
100	256QAM	1	1	17.82			17.5	2.0			
Channel							64968	65000	65032	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3745.02	3750	3754.98		
90	PI2 BPSK	1	1	18.04	18.13	18.02	19.5	0.0			
Channel							64934	65000	65066	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3740.01	3750	3759.99		
80	PI2 BPSK	1	1	18.08	18.12	18.03	19.5	0.0			
Channel							64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3735	3750	3765		
70	PI2 BPSK	1	1	18.06	18.15	18.05	19.5	0.0			
Channel							64868	65000	65132	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3730.02	3750	3769.98		
60	PI2 BPSK	1	1	18.10	18.10	18.10	19.5	0.0			
Channel							64834	65000	65166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3725.01	3750	3774.99		
50	PI2 BPSK	1	1	18.05	18.14	18.00	19.5	0.0			
Channel							64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3720	3750	3780		
40	PI2 BPSK	1	1	18.03	18.10	18.02	19.5	0.0			
Channel							64768	65000	65232	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3715.02	3750.00	3784.98		
30	PI2 BPSK	1	1	18.10	18.13	18.02	19.5	0.0			
Channel							64734	65000	65266	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3710.01	3750	3789.99		
20	PI2 BPSK	1	1	18.10	18.17	18.03	19.5	0.0			
Channel							64718	65000	65282	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3707.52	3750	3792.48		
15	PI2 BPSK	1	1	18.10	18.07	18.06	19.5	0.0			
Channel							64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							3705	3750	3795		
10	PI2 BPSK	1	1	18.08	18.08	18.08	19.5	0.0			



Reduced Power for DS14

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				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	24.01				
25	PI2 BPSK	1	65	24.77			25.5	0.0
25	PI2 BPSK	1	131	23.85				
25	PI2 BPSK	64	0	24.18			25.0	0.5
25	PI2 BPSK	64	32	24.69			25.5	0.0
25	PI2 BPSK	64	66	23.93			25.0	0.5
25	PI2 BPSK	128	0	23.21				
25	QPSK	1	1	23.95				
25	QPSK	1	65	24.59			25.5	0.0
25	QPSK	1	131	23.82				
25	QPSK	64	0	23.62			24.5	1.0
25	QPSK	64	32	24.58			25.5	0.0
25	QPSK	64	66	23.44			24.5	1.0
25	QPSK	128	0	23.65				
25	16QAM	1	1	23.07			24.5	1.0
25	64QAM	1	1	21.27			23.0	2.5
25	256QAM	1	1	19.81			21.0	4.5
Channel				166800	167300	167800	Tune-up limit (dB)	MPR
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.62	24.75	24.58	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	24.52	24.63	24.52	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	24.57	24.62	24.48	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	24.51	24.66	24.65	25.5	0.0

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				167300				
Frequency (MHz)				836.5				
25	PI2 BPSK	1	1	22.29				
25	PI2 BPSK	1	65	22.96			24.2	0.0
25	PI2 BPSK	1	131	22.23				
25	PI2 BPSK	64	0	22.92			24.2	0.0
25	PI2 BPSK	64	32	22.95			24.2	0.0
25	PI2 BPSK	64	66	22.87			24.2	0.0
25	PI2 BPSK	128	0	22.68				
25	QPSK	1	1	22.29				
25	QPSK	1	65	22.89			24.2	0.0
25	QPSK	1	131	22.22				
25	QPSK	64	0	22.94			24.2	0.0
25	QPSK	64	32	22.87			24.2	0.0
25	QPSK	64	66	22.65			24.2	0.0
25	QPSK	128	0	22.82				
25	16QAM	1	1	22.25			24.2	0.0
25	64QAM	1	1	21.27			23.2	1.0
25	256QAM	1	1	19.59			21.2	3.0
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.80	22.92	22.85	24.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	22.87	22.86	22.86	24.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				836	836.5	844		
10	PI2 BPSK	1	1	22.78	22.83	22.78	24.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	22.80	22.88	22.78	24.2	0.0

n7_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000		507000	509000	
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.01	23.04	23.00		
50	PI2 BPSK	1	135	22.86	22.78	22.85	24.5	0.0
50	PI2 BPSK	1	268	22.84	22.97	22.70		
50	PI2 BPSK	135	0	22.81	22.83	22.75	24.5	0.0
50	PI2 BPSK	135	68	22.91	23.01	22.89	24.5	0.0
50	PI2 BPSK	135	135	22.89	22.89	22.76		
50	PI2 BPSK	270	0	22.83	23.00	22.90	24.5	0.0
50	QPSK	1	1	22.50	22.70	22.58		
50	QPSK	1	135	22.75	22.86	22.76	24.5	0.0
50	QPSK	1	268	22.79	22.86	22.73		
50	QPSK	135	0	22.85	22.97	22.86	24.0	0.5
50	QPSK	135	68	22.82	22.77	22.88	24.5	0.0
50	QPSK	135	135	22.83	23.00	22.96		
50	QPSK	270	0	22.81	22.92	22.83	24.0	0.5
50	16QAM	1	1	22.06	22.05	22.10	24.0	0.5
50	64QAM	1	1	20.46	20.58	20.67	22.5	2.0
50	256QAM	1	1	18.57	18.62	18.64	20.5	4.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	22.91	22.92	22.92	24.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	22.96	22.96	22.96	24.5	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2535	2557.5		
25	PI2 BPSK	1	1	22.97	22.91	22.98	24.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2310	2535	2560		
20	PI2 BPSK	1	1	22.88	23.01	22.89	24.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	22.96	22.95	22.98	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	22.89	23.00	22.96	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	22.89	23.01	22.90	24.5	0.0

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	20.0		
Frequency (MHz)				2525	2535	2545			
50	Pl2 BPSK	1	1	19.08	19.12	19.06			
50	Pl2 BPSK	1	135	18.79	18.90	18.83			
50	Pl2 BPSK	1	268	18.75	18.83	18.75	20.0	0.0	
50	Pl2 BPSK	135	0	18.91	18.96	18.85			
50	Pl2 BPSK	135	68	18.98	19.06	18.97			
50	Pl2 BPSK	135	135	18.84	18.95	18.91			
50	Pl2 BPSK	270	0	18.91	18.95	18.90	20.0	0.0	
50	QPSK	1	1	18.83	18.73	18.64			
50	QPSK	1	135	18.79	18.90	18.80			
50	QPSK	1	268	18.78	18.83	18.80			
50	QPSK	135	0	18.90	18.95	18.86	20.0	0.0	
50	QPSK	135	68	18.99	19.05	18.94			
50	QPSK	135	135	18.84	18.94	18.85			
50	QPSK	270	0	18.77	18.82	18.80		20.0	
50	16QAM	1	1	18.67	18.75	18.68	20.0	0.0	
50	64QAM	1	1	18.63	18.67	18.56			
50	256QAM	1	1	18.99	19.01	18.99			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	Pl2 BPSK	1	1	19.06	19.02	18.97	20.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	Pl2 BPSK	1	1	19.03	18.99	19.01		20.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	Pl2 BPSK	1	1	19.02	19.07	19.00	20.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	Pl2 BPSK	1	1	18.99	19.04	19.00		20.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	Pl2 BPSK	1	1	18.96	19.08	18.94	20.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2506	2535	2565			
10	Pl2 BPSK	1	1	18.99	19.03	19.01		20.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	Pl2 BPSK	1	1	18.96	19.06	18.98	20.0	0.0	
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
Channel				500000	507000	514000			

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	22.35	22.46	22.44			
40	Pl2 BPSK	1	108	22.31	22.40	22.40			
40	Pl2 BPSK	1	214	22.30	22.31	22.37	23.5	0.5	
40	Pl2 BPSK	108	0	22.38	22.22	22.34			
40	Pl2 BPSK	108	54	22.40	22.45	22.37			
40	Pl2 BPSK	108	108	22.27	22.35	22.35			
40	Pl2 BPSK	216	0	22.35	22.44	22.25	24.0	0.0	
40	QPSK	1	1	22.22	22.24	22.17			
40	QPSK	1	108	22.19	22.30	22.21			
40	QPSK	1	214	22.30	22.36	22.22			
40	QPSK	108	0	21.88	21.80	21.64	23.0	1.0	
40	QPSK	108	54	22.30	22.35	22.25			
40	QPSK	108	108	21.88	21.88	21.72			
40	QPSK	216	0	21.72	21.79	21.65			
40	16QAM	1	1	21.08	21.13	20.95	21.5	2.5	
40	64QAM	1	1	19.74	19.74	19.71			
40	256QAM	1	1	17.45	17.50	17.53			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	Pl2 BPSK	1	1	22.30	22.40	22.40	24.0	0.0	
Channel				344000	349000	353000			
Frequency (MHz)				1722.5	1745	1767.5			
25	Pl2 BPSK	1	1	22.27	22.42	22.32		24.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	Pl2 BPSK	1	1	22.21	22.34	22.32	24.0	0.0	
Channel				343000	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	Pl2 BPSK	1	1	22.23	22.43	22.37		24.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	Pl2 BPSK	1	1	22.25	22.33	22.36	24.0	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	Pl2 BPSK	1	1	22.21	22.31	22.33		24.0	

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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				346000	349000	352000	17.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	16.37	16.56	16.40			
40	Pl2 BPSK	1	108	16.33	16.51	16.31			
40	Pl2 BPSK	1	214	16.23	16.37	16.19	17.5	0.0	
40	Pl2 BPSK	108	0	16.37	16.51	16.34			
40	Pl2 BPSK	108	54	16.33	16.53	16.32			
40	Pl2 BPSK	108	108	16.32	16.50	16.30			
40	Pl2 BPSK	216	0	16.36	16.51	16.39	17.5	0.0	
40	QPSK	1	1	16.24	16.36	16.24			
40	QPSK	1	108	16.28	16.53	16.38			
40	QPSK	1	214	16.20	16.41	16.24			
40	QPSK	108	0	16.38	16.54	16.40	17.5	0.0	
40	QPSK	108	54	16.37	16.53	16.36			
40	QPSK	108	108	16.35	16.48	16.31			
40	QPSK	216	0	16.12	16.31	16.10			
40	16QAM	1	1	15.93	16.11	15.91	17.5	0.0	
40	64QAM	1	1	16.03	16.19	16.04			
40	256QAM	1	1	16.33	16.51	16.36			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	Pl2 BPSK	1	1	16.28	16.48	16.33	17.5	0.0	
Channel				344000	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	Pl2 BPSK	1	1	16.24	16.49	16.38			
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	Pl2 BPSK	1	1	16.29	16.45	16.30	17.5	0.0	
Channel				343000	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	Pl2 BPSK	1	1	16.25	16.52	16.37			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	Pl2 BPSK	1	1	16.28	16.54	16.37	17.5	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	Pl2 BPSK	1	1	16.33	16.54	16.35	17.5	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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	18.86	19.11	18.84	20.5	0.0	
40	PI2 BPSK	1	108	18.83	19.06	18.75			
40	PI2 BPSK	1	214	18.81	18.97	18.86			
40	PI2 BPSK	108	0	18.75	18.91	18.62	20.5	0.0	
40	PI2 BPSK	108	54	18.85	19.10	18.76	20.5	0.0	
40	PI2 BPSK	108	108	18.72	19.03	18.62	20.5	0.0	
40	PI2 BPSK	216	0	18.76	19.08	18.84	20.5	0.0	
40	QPSK	1	1	18.58	18.80	18.48	20.5	0.0	
40	QPSK	1	108	18.68	18.89	18.58			
40	QPSK	1	214	18.56	18.78	18.44			
40	QPSK	108	0	18.73	18.97	18.78	20.5	0.0	
40	QPSK	108	54	18.68	19.01	18.60	20.5	0.0	
40	QPSK	108	108	18.83	18.93	18.67	20.5	0.0	
40	QPSK	216	0	18.76	19.00	18.74	20.5	0.0	
40	16QAM	1	1	18.80	19.07	18.92	20.5	0.0	
40	64QAM	1	1	19.05	18.98	18.90	20.5	0.0	
40	256QAM	1	1	18.30	18.27	18.27	19.0	1.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	18.83	19.04	18.80	20.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	18.80	19.04	18.78	20.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	18.83	19.01	18.78	20.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	18.73	19.07	18.74	20.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	18.74	19.00	18.75	20.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	18.83	19.01	18.77	20.5	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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	20.70	20.76	20.62	22.5	0.0	
40	PI2 BPSK	1	108	20.70	20.62	20.54			
40	PI2 BPSK	1	214	20.58	20.67	20.66			
40	PI2 BPSK	108	0	20.62	20.64	20.62	22.5	0.0	
40	PI2 BPSK	108	54	20.60	20.71	20.57	22.5	0.0	
40	PI2 BPSK	108	108	20.61	20.66	20.60	22.5	0.0	
40	PI2 BPSK	216	0	20.64	20.65	20.60	22.5	0.0	
40	QPSK	1	1	20.59	20.68	20.63	22.5	0.0	
40	QPSK	1	108	20.67	20.71	20.66			
40	QPSK	1	214	20.71	20.62	20.52			
40	QPSK	108	0	20.16	20.29	20.35	22.5	0.0	
40	QPSK	108	54	20.66	20.73	20.54	22.5	0.0	
40	QPSK	108	108	20.72	20.58	20.62	22.5	0.0	
40	QPSK	216	0	20.64	20.58	20.74	22.5	0.0	
40	16QAM	1	1	20.58	20.62	20.62	22.5	0.0	
40	64QAM	1	1	18.70	19.01	18.90	21.0	1.5	
40	256QAM	1	1	17.43	17.68	17.48	19.0	3.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	20.67	20.72	20.58	22.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI2 BPSK	1	1	20.65	20.67	20.58	22.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	20.68	20.71	20.57	22.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	20.58	20.64	20.54	22.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	20.57	20.67	20.59	22.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	20.63	20.74	20.58	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				508202	518598	530000			
Frequency (MHz)				2548.01	2592.99	2640			
100	Pi2 BPSK	1	1	22.07	22.13	22.06	23.5	0.0	
100	Pi2 BPSK	1	137	21.85	21.96	21.52			
100	Pi2 BPSK	1	271	22.01	22.05	22.05			
100	Pi2 BPSK	135	0	21.88	22.09	22.01	23.5	0.0	
100	Pi2 BPSK	135	69	21.95	22.11	22.05	23.5	0.0	
100	Pi2 BPSK	135	138	21.93	22.01	22.00	23.5	0.0	
100	Pi2 BPSK	270	0	22.02	22.10	22.05			
100	QPSK	1	1	21.58	21.71	21.64			
100	QPSK	1	137	21.52	21.88	21.54	23.5	0.0	
100	QPSK	1	271	21.88	22.03	21.55			
100	QPSK	135	0	21.53	22.01	21.88			
100	QPSK	135	69	21.51	22.03	22.00	23.5	0.0	
100	QPSK	135	138	22.02	22.08	22.02			
100	QPSK	270	0	21.83	21.94	21.95			
100	16QAM	1	1	22.06	21.95	22.05	23.5	0.0	
100	64QAM	1	1	21.20	21.18	21.18	23.0	0.5	
100	256QAM	1	1	19.13	19.25	19.25	21.0	2.5	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	Pi2 BPSK	1	1	22.06	22.07	22.04	23.5	0.0	
Channel				507204	518598	529598	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	Pi2 BPSK	1	1	22.00	22.12	22.05	23.5	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	Pi2 BPSK	1	1	22.00	22.12	22.03	23.5	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	Pi2 BPSK	1	1	22.00	22.07	22.03	23.5	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	Pi2 BPSK	1	1	22.00	22.07	21.99	23.5	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	Pi2 BPSK	1	1	22.02	22.07	22.00	23.5	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	Pi2 BPSK	1	1	22.06	22.06	22.03	23.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	Pi2 BPSK	1	1	22.00	22.08	22.00	23.5	0.0	
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2501.5	2592.99	2682.48	(dBm)	(dB)	
15	Pi2 BPSK	1	1	22.06	22.12	22.00	23.5	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	Pi2 BPSK	1	1	22.04	22.10	22.04	23.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	530000			
Frequency (MHz)				2548.01	2592.99	2640			
100	Pi2 BPSK	1	1	19.56	19.65	19.53	20.5	0.0	
100	Pi2 BPSK	1	137	19.34	19.44	19.24			
100	Pi2 BPSK	1	271	19.16	19.15	19.14			
100	Pi2 BPSK	135	0	19.35	19.50	19.41	20.5	0.0	
100	Pi2 BPSK	135	69	19.37	19.61	19.34	20.5	0.0	
100	Pi2 BPSK	135	138	19.46	19.41	19.24	20.5	0.0	
100	Pi2 BPSK	270	0	19.46	19.56	19.37			
100	QPSK	1	1	19.05	19.06	18.97			
100	QPSK	1	137	19.34	19.43	19.18	20.5	0.0	
100	QPSK	1	271	19.22	19.15	19.03			
100	QPSK	135	0	19.44	19.50	19.37			
100	QPSK	135	69	19.40	19.64	19.32	20.5	0.0	
100	QPSK	135	138	19.48	19.42	19.18			
100	QPSK	270	0	19.29	19.38	19.26			
100	16QAM	1	1	19.37	19.36	19.20	20.5	0.0	
100	64QAM	1	1	19.31	19.57	19.28	20.5	0.0	
100	256QAM	1	1	19.51	19.55	19.23	20.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	19.44	19.55	19.41	20.5	0.0	
Channel				507204	518598	529598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	19.53	19.56	19.42	20.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	19.49	19.53	19.42	20.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	19.43	19.55	19.40	20.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	19.45	19.62	19.50	20.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pi2 BPSK	1	1	19.49	19.58	19.47	20.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	19.53	19.60	19.42	20.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	19.43	19.56	19.47	20.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2592.99	2682.48			
15	Pi2 BPSK	1	1	19.53	19.63	19.46	20.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	Pi2 BPSK	1	1	19.44	19.53	19.47	20.5	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					633334				
Frequency (MHz)					3500.01				
100	Pi2 BPSK	1	1		17.01				
100	Pi2 BPSK	1	137		16.91		18.5		0.0
100	Pi2 BPSK	1	271		16.88				
100	Pi2 BPSK	135	0		16.93		18.5		0.0
100	Pi2 BPSK	135	69		16.96		18.5		0.0
100	Pi2 BPSK	135	138		16.85		18.5		0.0
100	Pi2 BPSK	270	0		16.92				
100	QPSK	1	1		16.85				
100	QPSK	1	137		16.93		18.5		0.0
100	QPSK	1	271		16.81				
100	QPSK	135	0		16.84				
100	QPSK	135	69		16.93		18.5		0.0
100	QPSK	135	138		16.84				
100	QPSK	270	0		16.92		18.5		0.0
100	16QAM	1	1		16.48		18.5		0.0
100	64QAM	1	1		16.58		18.5		0.0
100	256QAM	1	1		15.57		17.5	1.0	
Channel					633334	636666			
Frequency (MHz)					3500.01	3554.99	Tune-up limit (dBm)		MPR (dB)
90	Pi2 BPSK	1	1	16.90	16.92	16.82	18.5		0.0
Channel					632668	633334	634000		
Frequency (MHz)					3496.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	Pi2 BPSK	1	1	16.84	16.93	16.84	18.5		0.0
Channel					632234	633334	634332		
Frequency (MHz)					3486.01	3500.01	3514.98	Tune-up limit (dBm)	MPR (dB)
70	Pi2 BPSK	1	1	16.89	16.90	16.87	18.5		0.0
Channel					632000	633334	634666		
Frequency (MHz)					3480.00	3500.01	3519.99	Tune-up limit (dBm)	MPR (dB)
60	Pi2 BPSK	1	1	16.86	16.83	16.89	18.5		0.0
Channel					631668	633334	635000		
Frequency (MHz)					3474.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	Pi2 BPSK	1	1	16.91	16.88	16.85	18.5		0.0
Channel					631334	633334	635332		
Frequency (MHz)					3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)
40	Pi2 BPSK	1	1	16.89	16.92	16.91	18.5		0.0
Channel					631000	633334	635666		
Frequency (MHz)					3465	3500.01	3534.99	Tune-up limit (dBm)	MPR (dB)
30	Pi2 BPSK	1	1	16.93	16.88	16.90	18.5		0.0
Channel					630668	633334	636332		
Frequency (MHz)					3462.51	3500.01	3537.48	Tune-up limit (dBm)	MPR (dB)
25	Pi2 BPSK	1	1	16.90	16.88	16.86	18.5		0.0
Channel					630668	633334	636800		
Frequency (MHz)					3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	Pi2 BPSK	1	1	16.93	16.88	16.97	18.5		0.0
Channel					630500	633334	636166		
Frequency (MHz)					3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)
15	Pi2 BPSK	1	1	16.85	16.95	16.89	18.5		0.0
Channel					630168	633334	636332		
Frequency (MHz)					3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)
10	Pi2 BPSK	1	1	16.91	16.95	16.89	18.5		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				629000	656000	662000	3500.01	
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	17.04	17.13	17.07	18.5	0.0
100	PI2 BPSK	1	137	16.86	16.90	16.83		
100	PI2 BPSK	1	271	16.53	16.63	16.52		
100	PI2 BPSK	135	0	16.96	17.01	16.94		
100	PI2 BPSK	135	69	17.06	17.10	17.06	18.5	0.0
100	PI2 BPSK	135	138	16.84	16.93	16.90	18.5	0.0
100	PI2 BPSK	270	0	16.94	17.03	16.95	18.5	0.0
100	QPSK	1	1	16.83	16.88	16.76		
100	QPSK	1	137	16.84	16.95	16.88		
100	QPSK	1	271	16.50	16.61	16.56		
100	QPSK	135	0	16.59	17.05	17.03	18.5	0.0
100	QPSK	135	69	16.91	17.02	16.93		
100	QPSK	135	138	16.86	16.92	16.88		
100	QPSK	270	0	16.96	17.05	17.02		
100	16QAM	1	1	16.54	16.84	16.55	18.5	0.0
100	64QAM	1	1	16.60	16.70	16.65	18.5	0.0
100	256QAM	1	1	15.61	15.72	15.68	17.5	1.0
Channel				649698	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98	18.5	0.0
90	PI2 BPSK	1	1	17.03	17.08	17.03	18.5	0.0
Channel				645334	656000	662666		
Frequency (MHz)				3740.01	3840	3939.99	18.5	0.0
80	PI2 BPSK	1	1	16.98	17.06	17.00	18.5	0.0
Channel				649000	656000	663000	Tune-up limit (dB)	MPR
Frequency (MHz)				3725	3840	3945	18.5	0.0
70	PI2 BPSK	1	1	17.03	17.08	17.05	18.5	0.0
Channel				648698	656000	663332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3840	3949.98	18.5	0.0
60	PI2 BPSK	1	1	16.98	17.08	17.06	18.5	0.0
Channel				645334	656000	662666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3840	3954.99	18.5	0.0
50	PI2 BPSK	1	1	17.03	17.10	17.06	18.5	0.0
Channel				648000	656000	664000	Tune-up limit (dB)	MPR
Frequency (MHz)				3720	3840	3960	18.5	0.0
40	PI2 BPSK	1	1	16.98	17.08	17.00	18.5	0.0
Channel				647698	656000	664332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3840.00	3964.98	18.5	0.0
30	PI2 BPSK	1	1	17.00	17.11	17.04	18.5	0.0
Channel				647200	656000	664500	Tune-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3840.00	3967.50	18.5	0.0
25	PI2 BPSK	1	1	17.00	17.08	17.05	18.5	0.0
Channel				647334	656000	664698	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3969.99	18.5	0.0
20	PI2 BPSK	1	1	17.03	17.10	17.04	18.5	0.0
Channel				647198	656000	664832	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3840	3972.48	18.5	0.0
15	PI2 BPSK	1	1	17.02	17.06	17.01	18.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3840	3975	18.5	0.0
10	PI2 BPSK	1	1	17.00	17.11	17.02	18.5	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				633000	633334	633666	3500.01	
Frequency (MHz)				3495	3500.01	3504.99		
100	PI2 BPSK	1	1	15.86	15.92	15.80	17.5	0.0
100	PI2 BPSK	1	137	15.88	15.88	15.88		
100	PI2 BPSK	1	271	15.63	15.60	15.60		
100	PI2 BPSK	135	0	15.77	15.77	15.77		
100	PI2 BPSK	135	69	15.94	15.94	15.94	17.5	0.0
100	PI2 BPSK	135	138	15.79	15.79	15.79	17.5	0.0
100	PI2 BPSK	270	0	15.78	15.78	15.78	17.5	0.0
100	QPSK	1	1	15.66	15.66	15.66		
100	QPSK	1	137	15.81	15.81	15.81		
100	QPSK	1	271	15.62	15.62	15.62		
100	QPSK	135	0	15.69	15.69	15.69	17.5	0.0
100	QPSK	135	69	15.86	15.86	15.86		
100	QPSK	135	138	15.92	15.92	15.92		
100	QPSK	270	0	15.79	15.79	15.79		
100	16QAM	1	1	15.68	15.71	15.71	17.5	0.0
100	64QAM	1	1	15.68	15.68	15.68	17.5	0.0
100	256QAM	1	1	15.77	15.77	15.77	17.5	0.0
Channel				633000	633334	633666	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99	17.5	0.0
90	PI2 BPSK	1	1	15.86	15.92	15.80	17.5	0.0
Channel				632506	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	17.5	0.0
80	PI2 BPSK	1	1	15.81	15.86	15.83	17.5	0.0
Channel				632334	633334	634332	Tune-up limit (dB)	MPR
Frequency (MHz)				3485.01	3500.01	3514.96	17.5	0.0
70	PI2 BPSK	1	1	15.82	15.89	15.85	17.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3519.99	17.5	0.0
60	PI2 BPSK	1	1	15.76	15.90	15.86	17.5	0.0
Channel				631608	633334	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525	17.5	0.0
50	PI2 BPSK	1	1	15.78	15.91	15.77	17.5	0.0
Channel				631334	633334	635332	Tune-up limit (dB)	MPR
Frequency (MHz)				3470.01	3500.01	3528.96	17.5	0.0
40	PI2 BPSK	1	1	15.83	15.83	15.77	17.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3534.99	17.5	0.0
30	PI2 BPSK	1	1	15.87	15.89	15.77	17.5	0.0
Channel				630834	633334	635932	Tune-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.48	17.5	0.0
25	PI2 BPSK	1	1	15.79	15.91	15.84	17.5	0.0
Channel				630688	633334	636000	Tune-up limit (dB)	MPR
Frequency (MHz)				3460.02	3500.01	3540	17.5	0.0
20	PI2 BPSK	1	1	15.83	15.85	15.80	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.49	17.5	0.0
15	PI2 BPSK	1	1	15.78	15.88	15.78	17.5	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3544.98	17.5	0.0
10	PI2 BPSK	1	1	15.77	15.90	15.80	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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.09	16.16	16.05	17.5	0.0
100	PI2 BPSK	1	137	15.97	16.04	15.95		
100	PI2 BPSK	1	271	15.89	15.87	15.77		
100	PI2 BPSK	135	0	15.92	16.07	16.02		
100	PI2 BPSK	135	69	15.98	16.14	16.10	17.5	0.0
100	PI2 BPSK	135	138	16.00	16.00	16.04	17.5	0.0
100	PI2 BPSK	270	0	16.01	16.10	15.98	17.5	0.0
100	QPSK	1	1	15.74	15.85	15.76		
100	QPSK	1	137	16.00	16.03	16.09		
100	QPSK	1	271	15.79	15.84	15.77		
100	QPSK	135	0	15.88	15.99	16.02	17.5	0.0
100	QPSK	135	69	16.07	16.11	16.06		
100	QPSK	135	138	15.94	16.07	15.95		
100	QPSK	270	0	15.92	16.06	15.95		
100	16QAM	1	1	15.50	15.59	15.49	17.5	0.0
100	64QAM	1	1	15.63	15.60	15.50	17.5	0.0
100	256QAM	1	1	15.63	15.65	15.47	17.5	0.0
Channel				649698	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98	17.5	0.0
90	PI2 BPSK	1	1	16.05	16.10	15.98	17.5	0.0
Channel				645334	656000	662666		
Frequency (MHz)				3740.01	3840	3939.99	17.5	0.0
80	PI2 BPSK	1	1	16.05	16.12	16.01	17.5	0.0
Channel				649000	656000	663000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3725	3840	3945	17.5	0.0
70	PI2 BPSK	1	1	16.03	16.09	16.00	17.5	0.0
Channel				648698	655000	661332	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98	17.5	0.0
60	PI2 BPSK	1	1	16.05	16.14	16.02	17.5	0.0
Channel				645334	656000	662666	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99	17.5	0.0
50	PI2 BPSK	1	1	16.03	16.15	15.98	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3720	3840	3960	17.5	0.0
40	PI2 BPSK	1	1	16.04	16.16	16.03	17.5	0.0
Channel				647698	655000	663332	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3715.02	3840.00	3964.98	17.5	0.0
30	PI2 BPSK	1	1	16.05	16.13	16.01	17.5	0.0
Channel				647500	656000	664500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3712.51	3840.00	3962.50	17.5	0.0
25	PI2 BPSK	1	1	16.08	16.12	16.01	17.5	0.0
Channel				647334	656000	664666	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	17.5	0.0
20	PI2 BPSK	1	1	16.04	16.15	16.04	17.5	0.0
Channel				647168	655000	664832	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	17.5	0.0
15	PI2 BPSK	1	1	16.07	16.09	15.98	17.5	0.0
Channel				647000	655000	664800	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3705	3840	3975	17.5	0.0
10	PI2 BPSK	1	1	16.02	16.14	16.01	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				633334		3500.01		
Frequency (MHz)				633334		3500.01		
100	PI2 BPSK	1	1	15.15			16.0	0.0
100	PI2 BPSK	1	137	15.05				
100	PI2 BPSK	1	271	14.92				
100	PI2 BPSK	135	0	14.93			16.0	0.0
100	PI2 BPSK	135	69	15.13				
100	PI2 BPSK	135	138	15.02				
100	PI2 BPSK	270	0	15.16			16.0	0.0
100	QPSK	1	1	15.05				
100	QPSK	1	137	15.06				
100	QPSK	1	271	15.05			16.0	0.0
100	QPSK	135	0	15.00				
100	QPSK	135	69	15.00				
100	QPSK	135	138	15.13			16.0	0.0
100	QPSK	270	0	15.11				
100	16QAM	1	1	15.08			16.0	0.0
100	64QAM	1	1	15.03			16.0	0.0
100	256QAM	1	1	15.10			16.0	0.0
Channel				633000	633334	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)
90	PI2 BPSK	1	1	15.02	15.07	15.00	16.0	0.0
Channel				630955	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	PI2 BPSK	1	1	14.99	15.08	15.01	16.0	0.0
Channel				632334	633334	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)
70	PI2 BPSK	1	1	15.02	15.09	15.01	16.0	0.0
Channel				632000	633334	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)
60	PI2 BPSK	1	1	15.06	15.08	14.95	16.0	0.0
Channel				631666	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	PI2 BPSK	1	1	15.01	15.02	14.96	16.0	0.0
Channel				631334	633334	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3526.98	(dBm)	(dB)
40	PI2 BPSK	1	1	15.01	15.04	15.00	16.0	0.0
Channel				631000	633334	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)
30	PI2 BPSK	1	1	15.05	15.11	15.02	16.0	0.0
Channel				630755	633334	635999	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)	(dB)
25	PI2 BPSK	1	1	14.99	15.04	15.02	16.0	0.0
Channel				630666	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	PI2 BPSK	1	1	15.06	15.09	15.03	16.0	0.0
Channel				630500	633334	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)
15	PI2 BPSK	1	1	15.00	15.05	14.97	16.0	0.0
Channel				630334	633334	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)
10	PI2 BPSK	1	1	14.97	15.06	15.03	16.0	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				650000		3750		
Frequency (MHz)				650000		3750		
100	PI2 BPSK	1	1	15.19	15.20	14.97	16.0	0.0
100	PI2 BPSK	1	137	14.81	14.95	14.72		
100	PI2 BPSK	1	271	14.59	14.58	14.31		
100	PI2 BPSK	135	0	15.01	15.05	14.88	16.0	0.0
100	PI2 BPSK	135	69	15.00	15.15	14.84	16.0	0.0
100	PI2 BPSK	135	138	15.01	14.91	14.74	16.0	0.0
100	PI2 BPSK	270	0	14.94	15.12	14.80	16.0	0.0
100	QPSK	1	1	14.87	14.91	14.68		
100	QPSK	1	137	14.93	14.94	14.78		
100	QPSK	1	271	14.58	14.70	14.55	16.0	0.0
100	QPSK	135	0	15.02	15.12	14.77		
100	QPSK	135	69	15.08	15.09	14.79		
100	QPSK	135	138	14.94	14.99	14.67	16.0	0.0
100	QPSK	270	0	15.06	15.04	14.79		
100	16QAM	1	1	15.12	15.18	14.88	16.0	0.0
100	64QAM	1	1	15.03	15.05	14.76	16.0	0.0
100	256QAM	1	1	15.09	15.04	14.75	16.0	0.0
Channel				646666	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	15.15	15.17	14.94	16.0	0.0
Channel				640334	650000	652556	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	15.17	15.17	14.94	16.0	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3942	(dBm)	(dB)
70	PI2 BPSK	1	1	15.16	15.14	14.91	16.0	0.0
Channel				646666	650000	663332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI2 BPSK	1	1	15.12	15.19	14.91	16.0	0.0
Channel				640334	650000	663556	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	15.14	15.18	14.94	16.0	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3950	(dBm)	(dB)
40	PI2 BPSK	1	1	15.17	15.16	14.92	16.0	0.0
Channel				647666	650000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840.00	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	15.17	15.19	14.95	16.0	0.0
Channel				640334	650000	663556	Tune-up limit	MPR
Frequency (MHz)				3712.5	3840.00	3967.50	(dBm)	(dB)
25	PI2 BPSK	1	1	15.16	15.16	14.94	16.0	0.0
Channel				647334	650000	664666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	15.17	15.16	14.95	16.0	0.0
Channel				647166	650000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	15.17	15.18	14.95	16.0	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	15.15	15.14	14.94	16.0	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				633334		3500.01		
Frequency (MHz)				633334		3500.01		
100	PI2 BPSK	1	1	15.01	15.02	14.97	14.5	0.0
100	PI2 BPSK	1	137	12.93				
100	PI2 BPSK	1	271	12.81				
100	PI2 BPSK	135	0	12.76			14.5	0.0
100	PI2 BPSK	135	69	12.95				
100	PI2 BPSK	135	138	12.92				
100	PI2 BPSK	270	0	12.91			14.5	0.0
100	QPSK	1	1	12.69				
100	QPSK	1	137	12.80				
100	QPSK	1	271	12.59			14.5	0.0
100	QPSK	135	0	12.81				
100	QPSK	135	69	12.89				
100	QPSK	135	138	12.90			14.5	0.0
100	QPSK	270	0	12.82				
100	16QAM	1	1	12.76			14.5	0.0
100	64QAM	1	1	12.87			14.5	0.0
100	256QAM	1	1	12.49			14.5	0.0
Channel				633000	633334	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)
90	PI2 BPSK	1	1	12.89	12.94	12.89	14.5	0.0
Channel				632666	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	PI2 BPSK	1	1	12.92	12.98	12.86	14.5	0.0
Channel				632334	633334	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)
70	PI2 BPSK	1	1	12.93	12.92	12.90	14.5	0.0
Channel				632000	633334	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)
60	PI2 BPSK	1	1	12.86	12.97	12.81	14.5	0.0
Channel				631666	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	PI2 BPSK	1	1	12.87	12.97	12.90	14.5	0.0
Channel				631334	633334	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3529.88	(dBm)	(dB)
40	PI2 BPSK	1	1	12.89	12.92	12.83	14.5	0.0
Channel				631000	633334	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)
30	PI2 BPSK	1	1	12.85	12.92	12.88	14.5	0.0
Channel				630666	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
25	PI2 BPSK	1	1	12.88	12.92	12.85	14.5	0.0
Channel				630666	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	PI2 BPSK	1	1	12.90	12.95	12.90	14.5	0.0
Channel				630500	633334	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)
15	PI2 BPSK	1	1	12.91	12.89	12.90	14.5	0.0
Channel				630334	633334	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)
10	PI2 BPSK	1	1	12.87	12.89	12.85	14.5	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				65000	65000	65000	14.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	12.89	13.06	12.95	14.5	0.0
100	PI2 BPSK	1	137	12.81	13.05	12.87		
100	PI2 BPSK	1	271	12.49	12.69	12.51		
100	PI2 BPSK	135	0	12.70	12.95	12.75		
100	PI2 BPSK	135	69	12.87	13.01	12.91	14.5	0.0
100	PI2 BPSK	135	138	12.89	12.93	12.74		
100	PI2 BPSK	270	0	12.26	13.06	12.83		
100	QPSK	1	1	12.57	12.68	12.54		
100	QPSK	1	137	12.82	12.97	12.81	14.5	0.0
100	QPSK	1	271	12.52	12.74	12.56		
100	QPSK	135	0	12.58	12.81	12.84		
100	QPSK	135	69	12.86	12.95	12.96		
100	QPSK	135	138	12.73	12.97	12.71	14.5	0.0
100	QPSK	270	0	12.77	13.02	12.71		
100	16QAM	1	1	12.42	12.47	12.39		
100	64QAM	1	1	12.46	12.60	12.43		
100	256QAM	1	1	12.57	12.60	12.60	14.5	0.0
Channel				649668	650000	662332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	12.86	12.85	12.92	14.5	0.0
Channel				649334	650000	649000	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	12.84	13.02	12.90	14.5	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3724	3840	3946	(dBm)	(dB)
70	PI2 BPSK	1	1	12.77	12.98	12.86	14.5	0.0
Channel				648668	650000	663332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI2 BPSK	1	1	12.76	13.03	12.97	14.5	0.0
Channel				647334	650000	634000	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	12.82	12.95	12.86	14.5	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI2 BPSK	1	1	12.80	12.94	12.92	14.5	0.0
Channel				647668	650000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840.00	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	12.81	12.94	12.85	14.5	0.0
Channel				647500	650000	634000	Tune-up limit	MPR
Frequency (MHz)				3712.5	3840.00	3967.50	(dBm)	(dB)
25	PI2 BPSK	1	1	12.78	13.00	12.92	14.5	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	12.80	12.95	12.89	14.5	0.0
Channel				647168	650000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	12.80	12.99	12.82	14.5	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	12.80	13.03	12.91	14.5	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				633000	633334	635001	18.0	0.0
Frequency (MHz)				16.95	16.95	16.91		
100	PI2 BPSK	1	1	16.79	16.90	16.84	18.0	0.0
100	PI2 BPSK	1	137	16.56	16.88	16.80		
100	PI2 BPSK	135	0	16.88	16.88	16.80		
100	PI2 BPSK	135	69	16.92	16.92	16.80		
100	PI2 BPSK	135	138	16.80	16.80	16.80	18.0	0.0
100	PI2 BPSK	270	0	16.85	16.85	16.80		
100	QPSK	1	1	16.82	16.82	16.80		
100	QPSK	1	137	16.86	16.86	16.80		
100	QPSK	1	271	16.53	16.80	16.80	18.0	0.0
100	QPSK	135	0	16.80	16.80	16.80		
100	QPSK	135	69	16.89	16.89	16.80		
100	QPSK	135	138	16.82	16.82	16.80		
100	QPSK	270	0	16.84	16.84	16.80	17.5	0.5
100	16QAM	1	1	16.81	16.81	16.80		
100	64QAM	1	1	16.80	16.80	16.80		
100	256QAM	1	1	16.90	16.90	17.00		
Channel				633000	633334	633666	Tune-up limit	MPR
Frequency (MHz)				16.95	16.95	16.91	(dBm)	(dB)
90	PI2 BPSK	1	1	16.79	16.90	16.84	18.0	0.0
Channel				633000	633334	635000	Tune-up limit	MPR
Frequency (MHz)				16.90	16.90	16.84	(dBm)	(dB)
80	PI2 BPSK	1	1	16.83	16.84	16.83	18.0	0.0
Channel				632334	633334	634332	Tune-up limit	MPR
Frequency (MHz)				16.85	16.85	16.85	(dBm)	(dB)
70	PI2 BPSK	1	1	16.83	16.85	16.85	18.0	0.0
Channel				632000	633334	634666	Tune-up limit	MPR
Frequency (MHz)				16.80	16.81	16.82	(dBm)	(dB)
60	PI2 BPSK	1	1	16.81	16.81	16.82	18.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				16.78	16.78	16.78	(dBm)	(dB)
50	PI2 BPSK	1	1	16.78	16.89	16.78	18.0	0.0
Channel				631334	633334	635332	Tune-up limit	MPR
Frequency (MHz)				16.80	16.80	16.83	(dBm)	(dB)
40	PI2 BPSK	1	1	16.80	16.83	16.83	18.0	0.0
Channel				631000	633334	635666	Tune-up limit	MPR
Frequency (MHz)				16.85	16.85	16.85	(dBm)	(dB)
30	PI2 BPSK	1	1	16.87	16.87	16.75	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				16.82	16.82	16.82	(dBm)	(dB)
25	PI2 BPSK	1	1	16.77	16.88	16.79	18.0	0.0
Channel				630334	633334	636332	Tune-up limit	MPR
Frequency (MHz)				16.84	16.84	16.84	(dBm)	(dB)
20	PI2 BPSK	1	1	16.84	16.90	16.84	18.0	0.0
Channel				630000	633334	636666	Tune-up limit	MPR
Frequency (MHz)				16.87	16.83	16.75	(dBm)	(dB)
15	PI2 BPSK	1	1	16.87	16.83	16.75	18.0	0.0
Channel				630334	633334	636332	Tune-up limit	MPR
Frequency (MHz)				16.85	16.85	16.85	(dBm)	(dB)
10	PI2 BPSK	1	1	16.87	16.81	16.84	18.0	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				650000	650000	650000	18.0	0.0
Frequency (MHz)				17.15	17.15	17.01		
100	PI2 BPSK	1	1	17.01	17.01	17.01	18.0	0.0
100	PI2 BPSK	1	137	16.92	16.92	16.92		
100	PI2 BPSK	135	0	16.91	16.91	16.91		
100	PI2 BPSK	135	69	17.11	17.11	17.01		
100	PI2 BPSK	135	138	17.01	17.01	17.01	18.0	0.0
100	PI2 BPSK	270	0	17.06	17.06	17.06		
100	QPSK	1	1	16.71	16.71	16.71		
100	QPSK	1	137	16.98	16.98	16.81		
100	QPSK	1	271	16.81	16.81	16.81	18.0	0.0
100	QPSK	135	0	16.90	16.90	16.90		
100	QPSK	135	69	17.02	17.02	17.02		
100	QPSK	135	138	17.06	17.06	17.06		
100	QPSK	270	0	16.90	16.90	16.90	17.5	0.5
100	16QAM	1	1	16.85	16.85	16.85		
100	64QAM	1	1	16.91	16.91	16.91		
100	256QAM	1	1	17.10	17.10	17.10		
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				17.06	17.06	17.06	(dBm)	(dB)
90	PI2 BPSK	1	1	16.99	17.08	17.00	18.0	0.0
Channel				649334	650000	649000	Tune-up limit	MPR
Frequency (MHz)				17.01	17.01	17.01	(dBm)	(dB)
80	PI2 BPSK	1	1	17.06	17.07	17.01	18.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				17.06	17.06	17.06	(dBm)	(dB)
70	PI2 BPSK	1	1	17.04	17.09	17.04	18.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				17.03	17.03	17.03	(dBm)	(dB)
60	PI2 BPSK	1	1	16.97	17.03	16.95	18.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				17.01	17.01	17.01	(dBm)	(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				633334					
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		16.51		18.0	0.0	
100	Pi/2 BPSK	1	137		16.46				
100	Pi/2 BPSK	1	271		16.21				
100	Pi/2 BPSK	135	0		16.41		18.0	0.0	
100	Pi/2 BPSK	135	69		16.47		18.0	0.0	
100	Pi/2 BPSK	135	138		16.43		18.0	0.0	
100	Pi/2 BPSK	270	0		16.44		18.0	0.0	
100	QPSK	1	1		16.24		18.0	0.0	
100	QPSK	1	137		16.45				
100	QPSK	1	271		16.29				
100	QPSK	135	0		16.46		18.0	0.0	
100	QPSK	135	69		16.42		18.0	0.0	
100	QPSK	135	138		16.46		18.0	0.0	
100	QPSK	270	0		16.46		18.0	0.0	
100	16QAM	1	1		16.04		18.0	0.0	
100	64QAM	1	1		16.06		18.0	0.0	
100	256QAM	1	1		16.41		18.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	18.0	0.0	
90	Pi/2 BPSK	1	1		16.33	16.42	16.31	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	18.0	0.0	
80	Pi/2 BPSK	1	1		16.42	16.43	16.37	18.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.96	18.0	0.0	
70	Pi/2 BPSK	1	1		16.37	16.39	16.41	18.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	18.0	0.0	
60	Pi/2 BPSK	1	1		16.40	16.38	16.33	18.0	0.0
Channel				631608	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0	
50	Pi/2 BPSK	1	1		16.35	16.47	16.38	18.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.96	18.0	0.0	
40	Pi/2 BPSK	1	1		16.40	16.46	16.37	18.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	18.0	0.0	
30	Pi/2 BPSK	1	1		16.38	16.38	16.36	18.0	0.0
Channel				630534	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48	18.0	0.0	
25	Pi/2 BPSK	1	1		16.34	16.45	16.38	18.0	0.0
Channel				630988	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0	
20	Pi/2 BPSK	1	1		16.35	16.47	16.35	18.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	18.0	0.0	
15	Pi/2 BPSK	1	1		16.33	16.46	16.33	18.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	18.0	0.0	
10	Pi/2 BPSK	1	1		16.37	16.43	16.38	18.0	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				650000			18.0	0.0	
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1		16.55				
100	Pi/2 BPSK	1	137		16.47				
100	Pi/2 BPSK	1	271		16.46				
100	Pi/2 BPSK	135	0		16.37		18.0	0.0	
100	Pi/2 BPSK	135	69		16.52		18.0	0.0	
100	Pi/2 BPSK	135	138		16.51		18.0	0.0	
100	Pi/2 BPSK	270	0		16.46		18.0	0.0	
100	QPSK	1	1		16.16				
100	QPSK	1	137		16.52		18.0	0.0	
100	QPSK	1	271		16.51				
100	QPSK	135	0		16.35		18.0	0.0	
100	QPSK	135	69		16.51				
100	QPSK	135	138		16.48				
100	QPSK	270	0		16.45		18.0	0.0	
100	16QAM	1	1		15.92		18.0	0.0	
100	64QAM	1	1		16.01		18.0	0.0	
100	256QAM	1	1		16.47		18.0	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	18.0	0.0	
90	Pi/2 BPSK	1	1		16.46	16.43	16.35	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	18.0	0.0	
80	Pi/2 BPSK	1	1		16.47	16.51	16.41	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	18.0	0.0	
70	Pi/2 BPSK	1	1		16.47	16.48	16.36	18.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	18.0	0.0	
60	Pi/2 BPSK	1	1		16.38	16.42	16.35	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	18.0	0.0	
50	Pi/2 BPSK	1	1		16.44	16.50	16.41	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760	18.0	0.0	
40	Pi/2 BPSK	1	1		16.44	16.48	16.37	18.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750.00	3764.98	18.0	0.0	
30	Pi/2 BPSK	1	1		16.45	16.45	16.37	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3769.99	18.0	0.0	
25	Pi/2 BPSK	1	1		16.46	16.46	16.37	18.0	0.0
Channel				647000	650000	652999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750.00	3767.50	18.0	0.0	
20	Pi/2 BPSK	1	1		16.40	16.45	16.35	18.0	0.0
Channel				647168	650000	653632	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3762.48	18.0	0.0	
15	Pi/2 BPSK	1	1		16.45	16.44	16.40	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	18.0	0.0	
10	Pi/2 BPSK	1	1		16.37	16.49	16.38	18.0	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				633334			16.0	0.0	
Frequency (MHz)				3500.01					
100	Pi/2 BPSK	1	1		15.06				
100	Pi/2 BPSK	1	137		14.98				
100	Pi/2 BPSK	1	271		14.85				
100	Pi/2 BPSK	135	0		14.99		16.0	0.0	
100	Pi/2 BPSK	135	69		15.03		16.0	0.0	
100	Pi/2 BPSK	135	138		14.92		16.0	0.0	
100	Pi/2 BPSK	270	0		15.01		16.0	0.0	
100	QPSK	1	1		14.79				
100	QPSK	1	137		14.85		16.0	0.0	
100	QPSK	1	271		14.85				
100	QPSK	135	0		14.91		16.0	0.0	
100	QPSK	135	69		14.96		16.0	0.0	
100	QPSK	135	138		14.89				
100	QPSK	270	0		14.90		16.0	0.0	
100	16QAM	1	1		14.91		16.0	0.0	
100	64QAM	1	1		14.87		16.0	0.0	
100	256QAM	1	1		14.96		16.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	16.0	0.0	
90	Pi/2 BPSK	1	1		14.82	14.95	14.91	16.0	0.0
Channel				632608	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	16.0	0.0	
80	Pi/2 BPSK	1	1		14.84	14.96	14.89	16.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.96	16.0	0.0	
70	Pi/2 BPSK	1	1		14.86	14.98	14.85	16.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	16.0	0.0	
60	Pi/2 BPSK	1	1		14.82	14.96	14.88	16.0	0.0
Channel				631608	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	16.0	0.0	
50	Pi/2 BPSK	1	1		14.86	14.95	14.89	16.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.96	16.0	0.0	
40	Pi/2 BPSK	1	1		14.90	15.01	14.93	16.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	16.0	0.0	
30	Pi/2 BPSK	1	1		14.96	14.98	14.88	16.0	0.0
Channel				630504	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.01	3500.01	3537.48	16.0	0.0	
25	Pi/2 BPSK	1	1		14.94	14.94	14.88	16.0	0.0
Channel				630608	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.02	3500.01	3540	16.0	0.0	
20	Pi/2 BPSK	1	1		14.94	14.94	14.85	16.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	16.0	0.0	
15	Pi/2 BPSK	1	1		14.89	15.02	14.96	16.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	16.0	0.0	
10	Pi/2 BPSK	1	1		14.97	14.96	14.87	16.0	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				650000				
Frequency (MHz)				3750				
100	PI2 BPSK	1	1		15.05		16.0	0.0
100	PI2 BPSK	1	137		15.00			
100	PI2 BPSK	1	271		14.85			
100	PI2 BPSK	135	0		14.79		16.0	0.0
100	PI2 BPSK	135	69		15.01		16.0	0.0
100	PI2 BPSK	135	138		14.82		16.0	0.0
100	PI2 BPSK	270	0		14.91			
100	QPSK	1	1		14.85		16.0	0.0
100	QPSK	1	137		14.99			
100	QPSK	1	271		14.83			
100	QPSK	135	0		14.83		16.0	0.0
100	QPSK	135	69		14.99			
100	QPSK	135	138		14.82			
100	QPSK	270	0		14.90		16.0	0.0
100	16QAM	1	1		14.97		16.0	0.0
100	64QAM	1	1		14.98		16.0	0.0
100	256QAM	1	1		14.95		16.0	0.0
Channel				649686	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	14.89	14.93	14.85	16.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	14.96	14.96	14.86	16.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	14.91	15.01	14.87	16.0	0.0
Channel				648686	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	14.89	14.98	14.87	16.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	14.95	14.95	14.92	16.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	14.95	14.98	14.93	16.0	0.0
Channel				647686	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3784.98		
30	PI2 BPSK	1	1	14.89	15.02	14.89	16.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
25	PI2 BPSK	1	1	14.90	14.92	14.86	16.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750.00	3787.50		
20	PI2 BPSK	1	1	14.95	15.01	14.90	16.0	0.0
Channel				647186	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	14.94	14.99	14.88	16.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	14.96	14.97	14.86	16.0	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				633334		3500.01			
Frequency (MHz)									
100	PI2 BPSK	1	1		13.49		15.0	0.0	
100	PI2 BPSK	1	137		13.38				
100	PI2 BPSK	1	271		13.09				
100	PI2 BPSK	135	0		13.40		15.0	0.0	
100	PI2 BPSK	135	69		13.46		15.0	0.0	
100	PI2 BPSK	135	138		13.45		15.0	0.0	
100	PI2 BPSK	270	0		13.36				
100	QPSK	1	1		13.00		15.0	0.0	
100	QPSK	1	137		13.25				
100	QPSK	1	271		13.12				
100	QPSK	135	0		13.36		15.0	0.0	
100	QPSK	135	69		13.41				
100	QPSK	135	138		13.28				
100	QPSK	270	0		13.26		15.0	0.0	
100	16QAM	1	1		13.36		15.0	0.0	
100	256QAM	1	1		13.41		15.0	0.0	
100	256QAM	1	1		13.47		15.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI2 BPSK	1	1		13.38	13.37	13.37	15.0	0.0
Channel				632666	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI2 BPSK	1	1		13.35	13.44	13.39	15.0	0.0
Channel				632334	633334	634332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI2 BPSK	1	1		13.41	13.45	13.31	15.0	0.0
Channel				632000	633334	634666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI2 BPSK	1	1		13.32	13.40	13.29	15.0	0.0
Channel				631666	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI2 BPSK	1	1		13.34	13.37	13.31	15.0	0.0
Channel				631334	633334	635332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.99			
40	PI2 BPSK	1	1		13.32	13.40	13.32	15.0	0.0
Channel				631000	633334	635666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI2 BPSK	1	1		13.40	13.39	13.31	15.0	0.0
Channel				630666	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.52	3500.01	3537.48			
25	PI2 BPSK	1	1		13.39	13.36	13.39	15.0	0.0
Channel				630666	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI2 BPSK	1	1		13.38	13.45	13.34	15.0	0.0
Channel				630500	633334	636166	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI2 BPSK	1	1		13.31	13.45	13.38	15.0	0.0
Channel				630334	633334	636332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI2 BPSK	1	1		13.35	13.41	13.32	15.0	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				650000		3750		
Frequency (MHz)								
100	PI2 BPSK	1	1		13.69		15.0	0.0
100	PI2 BPSK	1	137		13.52			
100	PI2 BPSK	1	271		13.55			
100	PI2 BPSK	135	0		13.59		15.0	0.0
100	PI2 BPSK	135	69		13.59		15.0	0.0
100	PI2 BPSK	135	138		13.58		15.0	0.0
100	PI2 BPSK	270	0		13.46			
100	QPSK	1	1		13.32		15.0	0.0
100	QPSK	1	137		13.55			
100	QPSK	1	271		13.13			
100	QPSK	135	0		13.58		15.0	0.0
100	QPSK	135	69		13.56			
100	QPSK	135	138		13.50			
100	QPSK	270	0		13.44		15.0	0.0
100	16QAM	1	1		13.50		15.0	0.0
100	64QAM	1	1		13.82		15.0	0.0
100	256QAM	1	1		13.56		15.0	0.0
Channel				649686	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	13.51	13.63	13.59	15.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	13.55	13.59	13.52	15.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	13.58	13.56	13.55	15.0	0.0
Channel				648686	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	13.61	13.60	13.57	15.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	13.53	13.63	13.57	15.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	13.51	13.60	13.59	15.0	0.0
Channel				647686	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI2 BPSK	1	1	13.59	13.65	13.58	15.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
25	PI2 BPSK	1	1	13.59	13.60	13.59	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
20	PI2 BPSK	1	1	13.53	13.57	13.53	15.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
15	PI2 BPSK	1	1	13.59	13.59	13.51	15.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
10	PI2 BPSK	1	1	13.60	13.58	13.53	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	13.55	13.58	13.59	15.0	0.0



Default/Full Power

n7_Ant 0_Other PA

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)				505000	507000	509000		
				2525	2535	2545		
50	PV2 BPSK	1	1	22.63	22.69	22.59	24.0	0.0
50	PV2 BPSK	1	135	22.57	22.63	22.57		
50	PV2 BPSK	1	268	22.43	22.47	22.39		
50	PV2 BPSK	135	0	22.62	22.65	22.58	23.5	0.5
50	PV2 BPSK	135	68	22.63	22.67	22.58	24.0	0.0
50	PV2 BPSK	135	135	22.56	22.61	22.52	23.5	0.5
50	PV2 BPSK	270	0	22.58	22.63	22.58		
50	QPSK	1	1	22.46	22.51	22.40	24.0	0.0
50	QPSK	1	135	22.42	22.49	22.47		
50	QPSK	1	268	22.41	22.47	22.45		
50	QPSK	135	0	22.15	22.21	22.17	23.0	1.0
50	QPSK	135	68	22.54	22.61	22.56	24.0	0.0
50	QPSK	135	135	22.15	22.20	22.13	23.0	1.0
50	QPSK	270	0	22.09	22.16	22.05	23.0	1.0
50	16QAM	1	1	21.70	21.72	21.70	23.0	1.0
50	64QAM	1	1	20.18	20.23	20.21	21.5	2.5
50	256QAM	1	1	18.81	18.88	18.86	19.5	4.5
Channel								
Frequency (MHz)				504000	507000	510000	Tune-up limit (dbm)	MPR (db)
40	PV2 BPSK	1	1	23.20	23.28	23.26	24.0	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dbm)	MPR (db)
30	PV2 BPSK	1	1	25.15	25.35	25.55	24.0	0.0
30	PV2 BPSK	1	1	22.56	22.68	22.53	24.0	0.0
Channel								
Frequency (MHz)				502000	507000	511000	Tune-up limit (dbm)	MPR (db)
25	PV2 BPSK	1	1	25.12	25.35	25.57.5	24.0	0.0
Channel								
Frequency (MHz)				501500	507000	512000	Tune-up limit (dbm)	MPR (db)
25	PV2 BPSK	1	1	22.56	22.62	22.58	24.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dbm)	MPR (db)
20	PV2 BPSK	1	1	22.60	22.68	22.60	24.0	0.0
Channel								
Frequency (MHz)				500500	507000	512500	Tune-up limit (dbm)	MPR (db)
15	PV2 BPSK	1	1	2507.5	2535	2562.5	24.0	0.0
Channel								
Frequency (MHz)				500000	507000	513000	Tune-up limit (dbm)	MPR (db)
15	PV2 BPSK	1	1	22.56	22.65	22.52	24.0	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dbm)	MPR (db)
10	PV2 BPSK	1	1	22.58	22.63	22.63	24.0	0.0
Channel								
Frequency (MHz)				500000	507000	514000	Tune-up limit (dbm)	MPR (db)
10	PV2 BPSK	1	1	2502.5	2535	2567.5	24.0	0.0
5	PV2 BPSK	1	1	22.57	22.68	22.52	24.0	0.0

n7_Ant 1_Other PA

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				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PV2 BPSK	1	1	23.49	23.52	23.47	25.0	0.0
50	PV2 BPSK	1	135	23.45	23.50	23.39		
50	PV2 BPSK	1	268	23.42	23.46	23.37		
50	PV2 BPSK	135	0	23.37	23.41	23.30	24.5	0.5
50	PV2 BPSK	135	68	23.43	23.50	23.40	25.0	0.0
50	PV2 BPSK	135	135	23.18	23.21	23.15	24.5	0.5
50	PV2 BPSK	270	0	23.23	23.25	23.17		
50	QPSK	1	1	23.35	23.41	23.38	25.0	0.0
50	QPSK	1	135	23.32	23.40	23.36		
50	QPSK	1	268	23.40	23.43	23.35		
50	QPSK	135	0	22.60	22.65	22.62	24.0	1.0
50	QPSK	135	68	23.42	23.46	23.35	25.0	0.0
50	QPSK	135	135	22.55	22.62	22.53	24.0	1.0
50	QPSK	270	0	22.50	22.59	22.49		
50	16QAM	1	1	22.35	22.41	22.36	24.0	1.0
50	64QAM	1	1	20.82	20.91	20.83	22.5	2.5
50	256QAM	1	1	19.37	19.41	19.38	20.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	25.0	
40	PV2 BPSK	1	1	23.47	23.50	23.42	25.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	25.0	
30	PV2 BPSK	1	1	23.43	23.50	23.46	25.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	25.0	
25	PV2 BPSK	1	1	23.42	23.46	23.41	25.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	25.0	
20	PV2 BPSK	1	1	23.46	23.47	23.44	25.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.0	
15	PV2 BPSK	1	1	23.46	23.47	23.40	25.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.0	
10	PV2 BPSK	1	1	23.44	23.47	23.41	25.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	25.0	
5	PV2 BPSK	1	1	23.48	23.45	23.42	25.0	

n7_Ant 2_Other PA

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				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PV2 BPSK	1	1	24.59	24.61	24.57	25.5	0.0
50	PV2 BPSK	1	135	24.48	24.57	24.48		
50	PV2 BPSK	1	268	24.37	24.40	24.35		
50	PV2 BPSK	135	0	24.02	24.12	24.07	25.0	0.5
50	PV2 BPSK	135	68	24.47	24.58	24.47	25.5	0.0
50	PV2 BPSK	135	135	23.85	23.88	23.81	25.0	0.5
50	PV2 BPSK	270	0	23.98	24.04	23.96		
50	QPSK	1	1	24.46	24.51	24.45	25.5	0.0
50	QPSK	1	135	24.28	24.39	24.37		
50	QPSK	1	268	24.36	24.38	24.27		
50	QPSK	135	0	24.11	24.15	24.04	24.5	1.0
50	QPSK	135	68	24.51	24.58	24.47	25.5	0.0
50	QPSK	135	135	23.94	23.97	23.88	24.5	1.0
50	QPSK	270	0	24.04	24.09	23.98		
50	16QAM	1	1	22.22	22.25	22.21	24.5	1.0
50	64QAM	1	1	21.43	21.53	21.51	23.0	2.5
50	256QAM	1	1	19.48	19.59	19.56	21.0	4.5
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2520	2535	2555	(dBm)	(dB)
40	PV2 BPSK	1	1	24.57	24.58	24.55	25.5	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	PV2 BPSK	1	1	24.56	24.54	24.55	25.5	0.0
Channel				502000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	PV2 BPSK	1	1	24.55	24.55	24.54	25.5	0.0
Channel				501000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	PV2 BPSK	1	1	24.52	24.59	24.55	25.5	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	PV2 BPSK	1	1	24.58	24.55	24.51	25.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	PV2 BPSK	1	1	24.53	24.60	24.50	25.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	PV2 BPSK	1	1	24.52	24.55	24.53	25.5	0.0

n7_Ant 3_Other PA									
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				505000	507000	509000	25.7	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	24.74	24.76	24.72			
50	PI2 BPSK	1	135	24.68	24.71	24.66			
50	PI2 BPSK	1	268	24.65	24.70	24.59	25.2	0.5	
50	PI2 BPSK	135	0	24.40	24.43	24.38			
50	PI2 BPSK	135	68	24.66	24.75	24.72			
50	PI2 BPSK	135	135	24.42	24.51	24.41			
50	PI2 BPSK	270	0	24.47	24.55	24.52	25.7	0.0	
50	QPSK	1	1	24.69	24.73	24.63			
50	QPSK	1	135	24.61	24.66	24.61			
50	QPSK	1	268	24.55	24.66	24.64			
50	QPSK	135	0	23.80	23.85	23.76	24.7	1.0	
50	QPSK	135	68	24.66	24.71	24.60			
50	QPSK	135	135	23.78	23.89	23.80			
50	QPSK	270	0	23.77	23.81	23.74			
50	16QAM	1	1	23.32	23.36	23.29	24.7	1.0	
50	64QAM	1	1	21.77	21.86	21.80			
50	256QAM	1	1	20.47	20.51	20.45			
50	256QAM	1	1	20.47	20.51	20.45			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	(dB)		
40	PI2 BPSK	1	1	24.69	24.70	24.71	25.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	(dB)		
30	PI2 BPSK	1	1	24.70	24.75	24.66	25.7	0.0	
Channel				502500	507000	511900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2473.5	2485	2497.5	(dB)		
25	PI2 BPSK	1	1	24.71	24.72	24.70	25.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2470	2475	2480	(dB)		
20	PI2 BPSK	1	1	24.68	24.71	24.66	25.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	(dB)		
15	PI2 BPSK	1	1	24.70	24.75	24.68	25.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dB)		
10	PI2 BPSK	1	1	24.67	24.69	24.70	25.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dB)		
5	PI2 BPSK	1	1	24.68	24.73	24.68	25.7	0.0	

n66_Ant 2_Other PA									
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				346000	349000	352000	24.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.56	23.62	23.44			
40	PI2 BPSK	1	108	23.53	23.60	23.45			
40	PI2 BPSK	1	214	23.49	23.58	23.37	24.0	0.5	
40	PI2 BPSK	108	0	23.46	23.57	23.45			
40	PI2 BPSK	108	54	23.55	23.61	23.48			
40	PI2 BPSK	108	108	23.51	23.55	23.41			
40	PI2 BPSK	216	0	23.47	23.59	23.42	24.0	0.5	
40	QPSK	1	1	23.45	23.52	23.34			
40	QPSK	1	108	23.51	23.56	23.43			
40	QPSK	1	214	23.47	23.55	23.37			
40	QPSK	108	0	23.00	23.02	22.86	23.5	1.0	
40	QPSK	108	54	23.54	23.61	23.49			
40	QPSK	108	108	23.16	23.18	23.06			
40	QPSK	216	0	23.16	23.20	23.03			
40	16QAM	1	1	22.66	22.74	22.59	23.5	1.0	
40	64QAM	1	1	21.47	21.58	21.45			
40	256QAM	1	1	19.79	19.81	19.65			
40	256QAM	1	1	19.79	19.81	19.65			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dB)		
30	PI2 BPSK	1	1	23.50	23.59	23.37	24.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	(dB)		
25	PI2 BPSK	1	1	23.52	23.61	23.43	24.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dB)		
20	PI2 BPSK	1	1	23.51	23.61	23.37	24.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dB)		
15	PI2 BPSK	1	1	23.49	23.56	23.41	24.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dB)		
10	PI2 BPSK	1	1	23.49	23.56	23.37	24.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dB)		
5	PI2 BPSK	1	1	23.49	23.57	23.43	24.5	0.0	

n66_Ant 3_Other PA												
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				346000	349000	350000	24.0	0.0				
Frequency (MHz)				1730	1745	1760						
40	PI2 BPSK	1	1	22.42	22.57	22.54				23.5	0.5	
40	PI2 BPSK	1	108	22.36	22.55	22.44						
40	PI2 BPSK	1	214	22.33	22.51	22.48						
40	PI2 BPSK	108	0	22.35	22.53	22.45						
40	PI2 BPSK	108	54	22.40	22.55	22.49	23.5	0.5				
40	PI2 BPSK	108	108	22.32	22.51	22.49						
40	PI2 BPSK	216	0	22.36	22.53	22.49						
40	QPSK	1	1	22.28	22.48	22.39				24.0	0.0	
40	QPSK	1	108	22.37	22.51	22.41						
40	QPSK	1	214	22.31	22.50	22.44						
40	QPSK	108	0	21.84	22.06	21.97						
40	QPSK	108	54	22.32	22.48	22.41	23.0	1.0				
40	QPSK	108	108	22.09	22.25	22.22						
40	QPSK	216	0	21.99	22.20	22.14						
40	16QAM	1	1	21.51	21.71	21.63						
40	64QAM	1	1	20.27	20.42	20.35	23.0	1.0				
40	256QAM	1	1	19.85	19.05	18.97						
40	256QAM	1	1	19.85	19.05	18.97						
40	256QAM	1	1	19.85	19.05	18.97						
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1725	1745	1765	(dBm)					
30	PI2 BPSK	1	1	22.41	22.55	22.51	24.0	0.0				
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1722.5	1745	1767.5	(dBm)					
25	PI2 BPSK	1	1	22.41	22.52	22.48	24.0	0.0				
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1720	1745	1770	(dBm)					
20	PI2 BPSK	1	1	22.40	22.53	22.50	24.0	0.0				
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1717.5	1745	1772.5	(dBm)					
15	PI2 BPSK	1	1	22.38	22.50	22.51	24.0	0.0				
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1715	1745	1775	(dBm)					
10	PI2 BPSK	1	1	22.38	22.53	22.53	24.0	0.0				
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1712.5	1745	1777.5	(dBm)					
5	PI2 BPSK	1	1	22.35	22.51	22.48	24.0	0.0				



n38_Ant 0_Other PA								
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				518004	518000	519998	24.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	22.89	22.98	22.85		
40	PI2 BPSK	1	53	22.92	22.95	22.80		
40	PI2 BPSK	1	104	22.73	22.78	22.58	24.0	0.5
40	PI2 BPSK	50	0	22.84	22.75	22.61		
40	PI2 BPSK	50	28	22.72	22.79	22.62		
40	PI2 BPSK	50	58	22.57	22.68	22.49		
40	PI2 BPSK	100	0	22.89	22.76	22.57	24.0	0.5
40	QPSK	1	1	22.88	22.91	22.77		
40	QPSK	1	53	22.83	22.86	22.71		
40	QPSK	1	104	22.70	22.75	22.56		
40	QPSK	50	0	22.15	22.21	22.08	23.5	1.0
40	QPSK	50	28	22.68	22.74	22.61		
40	QPSK	50	58	22.06	22.17	21.98		
40	QPSK	100	0	22.20	22.24	22.07		
40	16QAM	1	1	22.01	22.06	21.87	23.5	1.0
40	64QAM	1	1	20.44	20.50	20.30		
40	256QAM	1	1	19.08	19.18	18.99		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	22.87	22.93	22.83		
Channel				518004	518000	521005	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	22.82	22.93	22.83		
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	22.83	22.94	22.78		
Channel				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	22.88	22.95	22.82		
Channel				518004	518000	522998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	22.83	22.91	22.78		

n38_Ant 1_Other PA								
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				518004	518000	519998	25.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	23.36	23.45	23.32		
40	PI2 BPSK	1	53	23.30	23.41	23.24		
40	PI2 BPSK	1	104	23.32	23.42	23.28	24.5	0.5
40	PI2 BPSK	50	0	23.12	23.16	23.00		
40	PI2 BPSK	50	28	23.17	23.22	23.04		
40	PI2 BPSK	50	58	23.10	23.15	23.03		
40	PI2 BPSK	100	0	23.19	23.21	23.06	24.5	0.5
40	QPSK	1	1	23.20	23.28	23.07		
40	QPSK	1	53	23.27	23.34	23.15		
40	QPSK	1	104	23.27	23.31	23.16		
40	QPSK	50	0	22.59	22.62	22.41	24.0	1.0
40	QPSK	50	28	23.06	23.13	22.97		
40	QPSK	50	58	22.56	22.63	22.48		
40	QPSK	100	0	22.59	22.68	22.49		
40	16QAM	1	1	22.30	22.38	22.20	24.0	1.0
40	64QAM	1	1	20.75	20.85	20.68		
40	256QAM	1	1	19.50	19.59	19.42		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	23.33	23.44	23.30		
Channel				518004	518000	521005	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	23.35	23.44	23.25		
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	23.30	23.39	23.27		
Channel				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	23.33	23.43	23.26		
Channel				518004	518000	522998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	23.30	23.38	23.30		

n38_Ant 2_Other PA								
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				518004	518000	519998	25.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	24.23	24.35	24.30		
40	PI2 BPSK	1	53	24.05	24.23	24.12		
40	PI2 BPSK	1	104	23.96	24.15	24.12	25.0	0.5
40	PI2 BPSK	50	0	24.00	24.15	24.12		
40	PI2 BPSK	50	28	24.05	24.18	24.10		
40	PI2 BPSK	50	58	23.94	24.11	24.04		
40	PI2 BPSK	100	0	23.96	24.15	24.10	25.0	0.5
40	QPSK	1	1	23.94	24.12	24.05		
40	QPSK	1	53	23.83	24.02	23.95		
40	QPSK	1	104	23.80	23.97	23.91		
40	QPSK	50	0	23.92	24.11	24.00	25.5	0.0
40	QPSK	50	28	23.98	24.09	24.03		
40	QPSK	50	58	23.93	24.06	23.97		
40	QPSK	100	0	23.95	24.13	24.02		
40	16QAM	1	1	23.21	23.40	23.35	24.5	1.0
40	64QAM	1	1	21.84	21.76	21.70		
40	256QAM	1	1	18.41	18.54	18.51		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	24.17	24.32	24.24		
Channel				518004	518000	521005	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	24.20	24.34	24.29		
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	24.22	24.30	24.27		
Channel				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	24.21	24.32	24.28		
Channel				518004	518000	522998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	24.16	24.29	24.23		

n38_Ant 3_Other PA									
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				2590.02	2595	2599.98			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	24.55	24.61	24.52			
40	PI2 BPSK	1	53	24.53	24.60	24.57	25.7	0.0	
40	PI2 BPSK	1	104	24.48	24.59	24.51			
40	PI2 BPSK	50	0	24.27	24.35	24.26	25.2	0.5	
40	PI2 BPSK	50	28	24.43	24.50	24.45	25.7	0.0	
40	PI2 BPSK	50	56	24.39	24.43	24.36			
40	PI2 BPSK	100	0	24.40	24.48	24.46	25.2	0.5	
40	QPSK	1	1	24.33	24.36	24.32			
40	QPSK	1	53	24.38	24.43	24.39	25.7	0.0	
40	QPSK	1	104	24.36	24.45	24.36			
40	QPSK	50	0	23.74	23.83	23.73	24.7	1.0	
40	QPSK	50	28	24.38	24.42	24.40			
40	QPSK	50	56	23.84	23.93	23.85			
40	QPSK	100	0	23.89	23.98	23.95	24.7	1.0	
40	16QAM	1	1	23.58	23.63	23.58	24.7	1.0	
40	64QAM	1	1	22.93	22.14	22.11	23.2	2.5	
40	256QAM	1	1	20.73	20.82	20.77	21.2	4.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				517002	519000	520998	(dBm)	(dB)	
30	PI2 BPSK	1	1	24.52	24.50	24.51	25.7	0.0	
Channel				511004	519000	521000	Tune-up limit	MPR	
Frequency (MHz)				511004	519000	521000	(dBm)	(dB)	
25	PI2 BPSK	1	1	24.52	24.56	24.49	25.7	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				516000	519000	522000	(dBm)	(dB)	
20	PI2 BPSK	1	1	24.48	24.58	24.47	25.7	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				515502	519000	522498	(dBm)	(dB)	
15	PI2 BPSK	1	1	24.52	24.55	24.50	25.7	0.0	
Channel				511004	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				511004	519000	522000	(dBm)	(dB)	
10	PI2 BPSK	1	1	24.54	24.60	24.49	25.7	0.0	

n41_Ant 0_Other PA									
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				500202	518598	520600			
Frequency (MHz)				500202	518598	520600			
100	PI2 BPSK	1	1	23.18	23.23	23.16			
100	PI2 BPSK	1	137	23.18	23.21	23.14	24.5	0.0	
100	PI2 BPSK	1	271	22.94	23.01	22.87			
100	PI2 BPSK	135	0	22.80	22.89	22.85	24.0	0.5	
100	PI2 BPSK	135	69	23.18	23.21	23.12	24.5	0.0	
100	PI2 BPSK	135	138	22.69	22.75	22.73			
100	PI2 BPSK	270	0	22.80	22.83	22.73	24.0	0.5	
100	QPSK	1	1	23.06	23.16	23.14			
100	QPSK	1	137	23.12	23.21	23.10	24.5	0.0	
100	QPSK	1	271	22.94	22.96	22.89			
100	QPSK	135	0	22.29	22.31	22.25	23.5	1.0	
100	QPSK	135	69	23.14	23.18	23.16			
100	QPSK	135	138	22.15	22.17	22.07			
100	QPSK	270	0	22.20	22.22	22.17	23.5	1.0	
100	16QAM	1	1	21.77	21.86	21.77	23.5	1.0	
100	64QAM	1	1	20.34	20.39	20.36	22.0	2.5	
100	256QAM	1	1	18.95	19.06	18.95	20.0	4.5	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				508200	518598	528996	(dBm)	(dB)	
90	PI2 BPSK	1	1	23.16	23.16	23.09	24.5	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				506202	518598	531000	(dBm)	(dB)	
80	PI2 BPSK	1	1	23.16	23.18	23.12	24.5	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				506202	518598	531000	(dBm)	(dB)	
70	PI2 BPSK	1	1	23.16	23.20	23.13	24.5	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				505200	518598	531996	(dBm)	(dB)	
60	PI2 BPSK	1	1	23.17	23.18	23.14	24.5	0.0	
Channel				504204	518598	532996	Tune-up limit	MPR	
Frequency (MHz)				504204	518598	532996	(dBm)	(dB)	
50	PI2 BPSK	1	1	23.12	23.18	23.15	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				503202	518598	534000	(dBm)	(dB)	
40	PI2 BPSK	1	1	23.16	23.20	23.12	24.5	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				502200	518598	534996	(dBm)	(dB)	
30	PI2 BPSK	1	1	23.12	23.22	23.15	24.5	0.0	
Channel				501204	518598	535996	Tune-up limit	MPR	
Frequency (MHz)				501204	518598	535996	(dBm)	(dB)	
20	PI2 BPSK	1	1	23.17	23.21	23.14	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				500700	518598	536496	(dBm)	(dB)	
15	PI2 BPSK	1	1	23.13	23.22	23.09	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				500202	518598	537000	(dBm)	(dB)	
10	PI2 BPSK	1	1	23.12	23.17	23.11	24.5	0.0	

n41_Ant 1_Other PA									
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				506202	518598	528600			
Frequency (MHz)				506202	518598	528600			
100	PI2 BPSK	1	1	23.68	23.73	23.65			
100	PI2 BPSK	1	137	23.69	23.72	23.62	25.0	0.0	
100	PI2 BPSK	1	271	23.59	23.65	23.56			
100	PI2 BPSK	135	0	23.28	23.38	23.33	24.5	0.5	
100	PI2 BPSK	135	69	23.64	23.71	23.61	25.0	0.0	
100	PI2 BPSK	135	138	23.36	23.43	23.39	24.5	0.5	
100	QPSK	1	1	23.57	23.62	23.52			
100	QPSK	1	137	23.64	23.71	23.60	25.0	0.0	
100	QPSK	1	271	23.55	23.65	23.56			
100	QPSK	135	0	22.88	22.76	22.71	24.0	1.0	
100	QPSK	135	69	23.56	23.68	23.64	24.0	1.0	
100	QPSK	135	138	22.64	22.74	22.71			
100	QPSK	270	0	22.76	22.78	22.74	24.0	1.0	
100	16QAM	1	1	22.34	22.38	22.27	24.0	1.0	
100	64QAM	1	1	20.87	20.75	20.71	22.5	2.5	
100	256QAM	1	1	19.33	19.42	19.38	20.5	4.5	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				508200	518598	528996	(dBm)	(dB)	
90	PI2 BPSK	1	1	23.04	23.72	23.58	25.0	0.0	
Channel				507204	518598	529996	Tune-up limit	MPR	
Frequency (MHz)				507204	518598	529996	(dBm)	(dB)	
80	PI2 BPSK	1	1	23.06	23.70	23.59	25.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				506202	518598	531000	(dBm)	(dB)	
70	PI2 BPSK	1	1	23.03	23.72	23.62	25.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				505200	518598	531996	(dBm)	(dB)	
60	PI2 BPSK	1	1	23.02	23.69	23.63	25.0	0.0	
Channel				504204	518598	532996	Tune-up limit	MPR	
Frequency (MHz)				504204	518598	532996	(dBm)	(dB)	
50	PI2 BPSK	1	1	23.02	23.68	23.59	25.0	0.0	
Channel				503202	518598	533996	Tune-up limit	MPR	
Frequency (MHz)				503202	518598	533996	(dBm)	(dB)	
40	PI2 BPSK	1	1	23.02	23.70	23.62	25.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				502200	518598	534996	(dBm)	(dB)	
30	PI2 BPSK	1	1	23.05	23.70	23.58	25.0	0.0	
Channel				501204	518598	535996	Tune-up limit	MPR	
Frequency (MHz)				501204	518598	535996	(dBm)	(dB)	
20	PI2 BPSK	1	1	23.06	23.69	23.64	25.0	0.0	
Channel				500700	518598	536996	Tune-up limit	MPR	
Frequency (MHz)				500700	518598	536996	(dBm)	(dB)	
15	PI2 BPSK	1	1	23.03	23.69	23.61	25.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				500202	518598	537000	(dBm)	(dB)	
10	PI2 BPSK	1	1	23.05	23.67	23.61	25.0	0.0	

n41_Ant 2_Other PA									
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				500202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	24.61	24.65	24.48	25.7	0.0	
100	PI2 BPSK	1	137	24.54	24.63	24.42			
100	PI2 BPSK	1	271	24.44	24.52	24.38			
100	PI2 BPSK	135	0	24.57	24.61	24.40	25.2	0.5	
100	PI2 BPSK	135	69	24.53	24.63	24.45	25.7	0.0	
100	PI2 BPSK	135	138	24.51	24.60	24.47	25.2	0.5	
100	PI2 BPSK	270	0	24.59	24.61	24.40			
100	QPSK	1	1	24.57	24.63	24.47			
100	QPSK	1	137	24.48	24.57	24.38	25.7	0.0	
100	QPSK	1	271	24.35	24.46	24.27			
100	QPSK	135	0	24.27	24.30	24.14			
100	QPSK	135	69	24.58	24.60	24.48	25.7	0.0	
100	QPSK	135	138	24.09	24.18	24.01			
100	QPSK	270	0	24.18	24.20	24.02			
100	16QAM	1	1	23.32	23.38	23.24	24.7	1.0	
100	64QAM	1	1	22.21	22.29	22.09	23.2	2.5	
100	256QAM	1	1	20.87	20.92	20.75	21.2	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)		
90	PI2 BPSK	1	1	24.55	24.59	24.44	25.7	0.0	
Channel				512204	518598	529208	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)		
80	PI2 BPSK	1	1	24.54	24.62	24.44	25.7	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2665	(dBm)		
70	PI2 BPSK	1	1	24.59	24.62	24.47	25.7	0.0	
Channel				500200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)		
60	PI2 BPSK	1	1	24.58	24.61	24.47	25.7	0.0	
Channel				512204	518598	532208	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)		
50	PI2 BPSK	1	1	24.58	24.59	24.44	25.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)		
40	PI2 BPSK	1	1	24.55	24.60	24.47	25.7	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)		
30	PI2 BPSK	1	1	24.58	24.61	24.41	25.7	0.0	
Channel				512204	518598	535208	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)		
20	PI2 BPSK	1	1	24.59	24.58	24.46	25.7	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)		
15	PI2 BPSK	1	1	24.58	24.60	24.46	25.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)		
10	PI2 BPSK	1	1	24.56	24.58	24.47	25.7	0.0	

n41_Ant_3_Other PA									
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				500202	518598	528900			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	24.62	24.75	24.72	25.7	0.0	
100	PI2 BPSK	1	137	24.59	24.71	24.65			
100	PI2 BPSK	1	271	24.50	24.70	24.59			
100	PI2 BPSK	135	0	24.29	24.45	24.34	25.2	0.5	
100	PI2 BPSK	135	69	24.57	24.74	24.71	25.7	0.0	
100	PI2 BPSK	135	138	24.37	24.53	24.42	25.2	0.5	
100	PI2 BPSK	270	0	24.41	24.57	24.50			
100	QPSK	1	1	24.51	24.68	24.64			
100	QPSK	1	137	24.51	24.65	24.62	25.7	0.0	
100	QPSK	1	271	24.59	24.71	24.69			
100	QPSK	135	0	23.83	23.95	23.85			
100	QPSK	135	69	24.51	24.70	24.63	24.7	1.0	
100	QPSK	135	138	23.85	24.01	23.98			
100	QPSK	270	0	23.82	24.00	23.91			
100	16QAM	1	1	23.25	23.45	23.36	24.7	1.0	
100	64QAM	1	1	21.80	22.00	21.96	23.2	2.5	
100	256QAM	1	1	20.44	20.65	20.60	21.2	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)		
90	PI2 BPSK	1	1	24.56	24.73	24.70	25.7	0.0	
Channel				512204	518598	529208	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)		
80	PI2 BPSK	1	1	24.57	24.68	24.70	25.7	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2665	(dBm)		
70	PI2 BPSK	1	1	24.60	24.71	24.67	25.7	0.0	
Channel				500200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)		
60	PI2 BPSK	1	1	24.61	24.72	24.67	25.7	0.0	
Channel				512204	518598	532208	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)		
50	PI2 BPSK	1	1	24.55	24.72	24.68	25.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)		
40	PI2 BPSK	1	1	24.55	24.73	24.67	25.7	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)		
30	PI2 BPSK	1	1	24.61	24.74	24.66	25.7	0.0	
Channel				512204	518598	535208	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)		
20	PI2 BPSK	1	1	24.55	24.73	24.70	25.7	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)		
15	PI2 BPSK	1	1	24.60	24.72	24.68	25.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)		
10	PI2 BPSK	1	1	24.60	24.72	24.69	25.7	0.0	



Reduced Power for DS10

n7_Ant 0_Other PA								
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)								
50	PI2 BPSK	1	1	22.63	22.69	22.59	24.0	0.0
50	PI2 BPSK	1	135	22.57	22.63	22.57		
50	PI2 BPSK	1	268	22.43	22.47	22.39		
50	PI2 BPSK	135	0	22.62	22.65	22.59	23.5	0.5
50	PI2 BPSK	135	68	22.63	22.67	22.58	24.0	0.0
50	PI2 BPSK	135	135	22.56	22.61	22.52	23.5	0.5
50	PI2 BPSK	270	0	22.58	22.63	22.58		
50	QPSK	1	1	22.46	22.51	22.40		
50	QPSK	1	135	22.42	22.49	22.47	24.0	0.0
50	QPSK	1	268	22.41	22.47	22.45	23.0	1.0
50	QPSK	135	0	22.15	22.21	22.17		
50	QPSK	135	68	22.54	22.61	22.58	24.0	0.0
50	QPSK	135	135	22.15	22.20	22.13	23.0	1.0
50	QPSK	270	0	22.09	22.16	22.05		
50	16QAM	1	1	21.70	21.72	21.70	23.0	1.0
50	64QAM	1	1	20.18	20.23	20.21	21.5	2.5
50	256QAM	1	1	19.81	19.86	19.86	19.5	4.5
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	22.60	22.68	22.56	24.0	0.0
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	22.56	22.68	22.53	24.0	0.0
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	22.58	22.62	22.58	24.0	0.0
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	22.60	22.68	22.55	24.0	0.0
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	22.56	22.65	22.52	24.0	0.0
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	22.58	22.63	22.53	24.0	0.0
Channel								
Frequency (MHz)								
5	PI2 BPSK	1	1	22.57	22.68	22.52	24.0	0.0

n7_Ant 1_Other PA								
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)								
50	PI2 BPSK	1	1	14.02	14.03	13.99	15.5	0.0
50	PI2 BPSK	1	135	13.95	13.95	13.93		
50	PI2 BPSK	1	268	13.84	13.96	13.90		
50	PI2 BPSK	135	0	13.95	13.95	13.74	15.5	0.0
50	PI2 BPSK	135	68	13.86	13.99	13.84	15.5	0.0
50	PI2 BPSK	135	135	13.73	13.79	13.63	15.5	0.0
50	PI2 BPSK	270	0	13.81	13.88	13.64		
50	QPSK	1	1	13.82	13.85	13.85		
50	QPSK	1	135	13.83	13.92	13.90	15.5	0.0
50	QPSK	1	268	13.95	13.94	13.88		
50	QPSK	135	0	13.86	13.97	13.92	15.5	0.0
50	QPSK	135	68	13.97	14.00	13.91	15.5	0.0
50	QPSK	135	135	13.86	13.98	13.91	15.5	0.0
50	QPSK	270	0	13.83	13.90	13.79		
50	16QAM	1	1	13.60	13.66	13.59	15.5	0.0
50	64QAM	1	1	13.75	13.93	13.85	15.5	0.0
50	256QAM	1	1	13.89	13.96	13.94	15.5	0.0
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	14.01	13.96	13.95	15.5	0.0
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	13.97	13.99	13.94	15.5	0.0
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	13.95	13.94	13.92	15.5	0.0
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	13.95	14.00	13.95	15.5	0.0
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	13.95	13.99	13.95	15.5	0.0
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	14.00	13.96	13.94	15.5	0.0
Channel								
Frequency (MHz)								
5	PI2 BPSK	1	1	13.96	13.99	13.98	15.5	0.0

n7_Ant 2_Other PA								
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)								
50	PI2 BPSK	1	1	24.59	24.61	24.57	25.5	0.0
50	PI2 BPSK	1	135	24.48	24.57	24.46		
50	PI2 BPSK	1	268	24.37	24.40	24.35		
50	PI2 BPSK	135	0	24.02	24.12	24.07	25.0	0.5
50	PI2 BPSK	135	68	24.47	24.56	24.47	25.5	0.0
50	PI2 BPSK	135	135	23.85	23.88	23.81	25.0	0.5
50	PI2 BPSK	270	0	23.98	24.04	23.96		
50	QPSK	1	1	24.46	24.51	24.45		
50	QPSK	1	135	24.38	24.38	24.37	25.5	0.0
50	QPSK	1	268	24.36	24.38	24.27	24.5	1.0
50	QPSK	135	0	24.11	24.15	24.04		
50	QPSK	135	68	24.51	24.58	24.47	25.5	0.0
50	QPSK	135	135	23.94	23.97	23.88	24.5	1.0
50	QPSK	270	0	24.04	24.09	23.98		
50	16QAM	1	1	22.22	22.25	22.21	24.5	1.0
50	64QAM	1	1	21.43	21.53	21.51	23.0	2.5
50	256QAM	1	1	19.48	19.59	19.56	21.0	4.5
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	24.57	24.56	24.55	25.5	0.0
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	24.56	24.54	24.55	25.5	0.0
Channel								
Frequency (MHz)								
25	PI2 BPSK	1	1	24.55	24.55	24.54	25.5	0.0
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	24.52	24.59	24.55	25.5	0.0
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	24.58	24.55	24.51	25.5	0.0
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	24.53	24.60	24.50	25.5	0.0
Channel								
Frequency (MHz)								
5	PI2 BPSK	1	1	24.52	24.55	24.53	25.5	0.0

n7_Ant 3_Other PA									
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				305000	507000	506000	19.7	0.0	
Frequency (MHz)				2535	2535	2545			
50	Pi/2 BPSK	1	1	18.77	18.79	18.77	19.7	0.0	
50	Pi/2 BPSK	1	135	18.74	18.74	18.68			
50	Pi/2 BPSK	1	268	18.71	18.69	18.64	19.7	0.0	
50	Pi/2 BPSK	135	0	18.57	18.62	19.50			
50	Pi/2 BPSK	135	68	18.62	18.77	18.68	19.7	0.0	
50	Pi/2 BPSK	135	135	18.41	18.59	18.37			
50	QPSK	1	1	18.68	18.74	18.56	19.7	0.0	
50	QPSK	1	135	18.63	18.60	18.87			
50	QPSK	1	268	18.61	18.66	18.58	19.7	0.0	
50	QPSK	135	0	18.45	18.47	18.55			
50	QPSK	135	68	18.69	18.79	18.82	19.7	0.0	
50	QPSK	135	135	18.54	18.63	19.52			
50	QPSK	270	0	18.46	18.57	18.52	19.7	0.0	
50	16QAM	1	1	18.77	18.76	18.74		0.0	
50	64QAM	1	1	18.64	18.77	18.72	19.7	0.0	
50	256QAM	1	1	18.59	18.75	18.73		0.0	
Channel				504000	507000	510000	19.7	0.0	
Frequency (MHz)				2520	2535	2550			
40	Pi/2 BPSK	1	1	18.72	18.72	18.73	19.7	0.0	
Channel				503000	507000	511000		MPR	
Frequency (MHz)				2545	2535	2555	19.7	0.0	
30	Pi/2 BPSK	1	1	18.70	18.75	18.71		0.0	
Channel				502000	507000	511500	19.7	0.0	
Frequency (MHz)				2512.5	2535	2557.5		MPR	
25	Pi/2 BPSK	1	1	18.74	18.76	18.73	19.7	0.0	
Channel				502000	507000	512000		MPR	
Frequency (MHz)				2510	2535	2560	19.7	0.0	
20	Pi/2 BPSK	1	1	18.70	18.74	18.74		0.0	
Channel				501500	507000	512500	19.7	0.0	
Frequency (MHz)				2507.5	2535	2562.5		MPR	
15	Pi/2 BPSK	1	1	18.71	18.77	18.74	19.7	0.0	
Channel				501000	507000	513000		MPR	
Frequency (MHz)				2505	2535	2565	19.7	0.0	
10	Pi/2 BPSK	1	1	18.70	18.76	18.71		0.0	
Channel				500500	507000	513500	19.7	0.0	
Frequency (MHz)				2502.5	2535	2567.5		MPR	
5	Pi/2 BPSK	1	1	18.74	18.73	18.76	19.7	0.0	

n66_Ant 2_Other PA									
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				345000	349000	352000	24.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	23.58	23.62	23.44	24.5	0.0	
40	Pi/2 BPSK	1	108	23.53	23.80	23.45			
40	Pi/2 BPSK	1	214	23.49	23.58	23.37	24.0	0.5	
40	Pi/2 BPSK	108	0	23.46	23.57	23.45			
40	Pi/2 BPSK	108	54	23.55	23.61	23.48	24.5	0.0	
40	Pi/2 BPSK	108	108	23.51	23.55	23.41			
40	Pi/2 BPSK	216	0	23.47	23.58	23.42	24.0	0.5	
40	QPSK	1	1	23.45	23.52	23.34			
40	QPSK	1	108	23.51	23.58	23.43	24.5	0.0	
40	QPSK	1	214	23.47	23.55	23.37			
40	QPSK	108	0	23.00	23.02	22.86	23.5	1.0	
40	QPSK	108	54	23.54	23.61	23.49			
40	QPSK	108	108	23.16	23.18	23.06	23.5	1.0	
40	QPSK	216	0	23.16	23.20	23.03			
40	16QAM	1	1	22.86	22.74	22.59	23.5	1.0	
40	64QAM	1	1	21.47	21.58	21.45		2.5	
40	256QAM	1	1	19.79	19.61	19.65	20.0	4.5	
Channel				345000	349000	353000		MPR	
Frequency (MHz)				1725	1745	1765			
30	Pi/2 BPSK	1	1	23.50	23.59	23.37	24.5	0.0	
Channel				344500	349000	353500		MPR	
Frequency (MHz)				1722.5	1745	1767.5	24.5	0.0	
25	Pi/2 BPSK	1	1	23.52	23.61	23.43		0.0	
Channel				344000	349000	354000	24.5	MPR	
Frequency (MHz)				1720	1745	1770			
20	Pi/2 BPSK	1	1	23.51	23.61	23.37	24.5	0.0	
Channel				343500	349000	354500		MPR	
Frequency (MHz)				1717.5	1745	1772.5	24.5	0.0	
15	Pi/2 BPSK	1	1	23.49	23.56	23.41		0.0	
Channel				343000	349000	355000	24.5	MPR	
Frequency (MHz)				1715	1745	1775			
10	Pi/2 BPSK	1	1	23.49	23.56	23.37	24.5	0.0	
Channel				342500	349000	355500		MPR	
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0	
5	Pi/2 BPSK	1	1	23.49	23.57	23.43		0.0	

n66_Ant 3_Other PA									
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				346000	349000	353000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.42	22.57	22.54	24.0	0.0	
40	PI2 BPSK	1	108	22.36	22.55	22.44			
40	PI2 BPSK	1	214	22.33	22.51	22.48	23.5	0.5	
40	PI2 BPSK	108	0	22.35	22.53	22.45			
40	PI2 BPSK	108	54	22.40	22.55	22.49	24.0	0.0	
40	PI2 BPSK	108	108	22.32	22.51	22.49			
40	PI2 BPSK	216	0	22.36	22.53	22.49	23.5	0.5	
40	QPSK	1	1	22.28	22.48	22.38			
40	QPSK	1	108	22.37	22.51	22.41	24.0	0.0	
40	QPSK	1	214	22.31	22.50	22.44			
40	QPSK	108	0	21.84	22.00	21.97	23.0	1.0	
40	QPSK	108	54	22.32	22.48	22.41			
40	QPSK	108	108	22.08	22.25	22.22	23.0	1.0	
40	QPSK	216	0	21.99	22.20	22.14			
40	16QAM	1	1	21.51	21.71	21.63	23.0	1.0	
40	64QAM	1	1	20.27	20.42	20.35		2.5	
40	256QAM	1	1	18.85	19.05	18.97	19.5	4.5	
Channel				345000	349000	353000		MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	22.41	22.55	22.51	24.0	0.0	
Channel				344500	349000	353500		MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	24.0	0.0	
25	PI2 BPSK	1	1	22.41	22.52	22.48		0.0	
Channel				344000	349000	354000	24.0	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	22.40	22.53	22.50	24.0	0.0	
Channel				343500	349000	354500		MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	PI2 BPSK	1	1	22.38	22.50	22.51	24.0	0.0	
Channel				343000	349000	355000		MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	PI2 BPSK	1	1	22.35	22.53	22.53		0.0	
Channel				342500	349000	355500	24.0	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	22.35	22.51	22.48	24.0	0.0	

n38_Ant 0_Other PA

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				518004	518000	519998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	22.89	22.98	22.85		
40	PI2 BPSK	1	53	22.92	22.95	22.80	24.5	0.0
40	PI2 BPSK	1	104	22.73	22.78	22.58		
40	PI2 BPSK	50	0	22.84	22.75	22.61	24.0	0.5
40	PI2 BPSK	50	28	22.72	22.79	22.62	24.5	0.0
40	PI2 BPSK	50	56	22.57	22.68	22.49		
40	PI2 BPSK	100	0	22.89	22.76	22.57	24.0	0.5
40	QPSK	1	1	22.88	22.91	22.77		
40	QPSK	1	53	22.83	22.86	22.71	24.5	0.0
40	QPSK	1	104	22.70	22.75	22.56		
40	QPSK	50	0	22.15	22.21	22.08		
40	QPSK	50	28	22.68	22.74	22.61	23.5	1.0
40	QPSK	50	56	22.06	22.17	21.98		
40	QPSK	100	0	22.20	22.24	22.07	23.5	1.0
40	16QAM	1	1	22.01	22.06	21.87	23.5	1.0
40	64QAM	1	1	20.44	20.50	20.30	22.0	2.5
40	256QAM	1	1	19.08	19.18	18.98	20.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	22.87	22.93	22.83	24.5	0.0
Channel				516004	518000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	22.82	22.93	22.83	24.5	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	22.83	22.94	22.78	24.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	22.88	22.95	22.82	24.5	0.0
Channel				516004	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	22.83	22.91	22.78	24.5	0.0

n38_Ant 1_Other PA

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				518004	518000	519998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	14.40	14.50	14.38		
40	PI2 BPSK	1	53	14.28	14.48	14.23	16.0	0.0
40	PI2 BPSK	1	104	14.47	14.40	14.45		
40	PI2 BPSK	50	0	14.40	14.33	14.13	16.0	0.0
40	PI2 BPSK	50	28	14.36	14.48	14.31	16.0	0.0
40	PI2 BPSK	50	56	14.37	14.29	14.18		
40	PI2 BPSK	100	0	14.41	14.45	14.38	16.0	0.0
40	QPSK	1	1	14.15	14.30	14.08		
40	QPSK	1	53	14.19	14.38	14.18	16.0	0.0
40	QPSK	1	104	14.28	14.23	14.11		
40	QPSK	50	0	14.34	14.43	14.19		
40	QPSK	50	28	14.26	14.41	14.11	16.0	0.0
40	QPSK	50	56	14.31	14.40	14.33		
40	QPSK	100	0	14.43	14.48	14.37	16.0	0.0
40	16QAM	1	1	14.39	14.40	14.38	16.0	0.0
40	64QAM	1	1	14.23	14.40	14.25	16.0	0.0
40	256QAM	1	1	14.45	14.46	14.40	16.0	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	14.33	14.45	14.35	16.0	0.0
Channel				516004	518000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	14.38	14.45	14.35	16.0	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	14.37	14.43	14.31	16.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	14.33	14.44	14.34	16.0	0.0
Channel				516004	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	14.33	14.44	14.32	16.0	0.0

n38_Ant 2_Other PA

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				518004	518000	519998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	24.23	24.35	24.30		
40	PI2 BPSK	1	53	24.05	24.23	24.12	25.5	0.0
40	PI2 BPSK	1	104	23.96	24.15	24.12		
40	PI2 BPSK	50	0	24.00	24.15	24.12	25.0	0.5
40	PI2 BPSK	50	28	24.05	24.18	24.10	25.5	0.0
40	PI2 BPSK	50	56	23.94	24.11	24.04		
40	PI2 BPSK	100	0	23.98	24.15	24.10	25.0	0.5
40	QPSK	1	1	23.94	24.12	24.05		
40	QPSK	1	53	23.83	24.02	23.95	25.5	0.0
40	QPSK	1	104	23.80	23.97	23.91		
40	QPSK	50	0	23.92	24.11	24.00		
40	QPSK	50	28	23.98	24.09	24.03	25.5	0.0
40	QPSK	50	56	23.93	24.06	23.97		
40	QPSK	100	0	23.95	24.13	24.02	24.5	1.0
40	16QAM	1	1	23.21	23.40	23.35	24.5	1.0
40	64QAM	1	1	21.84	21.76	21.70	23.0	2.5
40	256QAM	1	1	18.41	18.54	18.51	21.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	24.17	24.32	24.24	25.5	0.0
Channel				516004	518000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	24.20	24.34	24.29	25.5	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	24.22	24.30	24.27	25.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	24.21	24.32	24.28	25.5	0.0
Channel				516004	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	24.16	24.29	24.23	25.5	0.0

n38_Ant 3_Other PA

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				518004	518000	518996		
Frequency (MHz)				2586.02	2595	2599.98		
40	PI2 BPSK	1	1	16.09	16.12	16.05	17.2	0.0
40	PI2 BPSK	1	31	16.10	16.04	16.04		
40	PI2 BPSK	1	104	15.97	16.01	15.95		
40	PI2 BPSK	50	0	15.88	16.05	15.85	17.2	0.0
40	PI2 BPSK	50	26	15.96	16.08	16.01	17.2	0.0
40	PI2 BPSK	50	58	16.00	16.06	15.94	17.2	0.0
40	PI2 BPSK	100	0	15.87	16.02	16.01	17.2	0.0
40	QPSK	1	1	16.01	15.99	15.96		
40	QPSK	1	53	15.85	15.99	15.87		
40	QPSK	1	104	15.93	15.98	15.82	17.2	0.0
40	QPSK	50	0	15.89	15.80	15.71		
40	QPSK	50	26	16.01	15.97	15.95		
40	QPSK	50	58	15.84	15.96	15.92	17.2	0.0
40	QPSK	100	0	15.92	16.05	15.90		
40	16QAM	1	1	16.03	16.11	16.02	17.2	0.0
40	64QAM	1	1	15.96	16.10	15.98	17.2	0.0
40	256QAM	1	1	15.93	16.08	16.03	17.2	0.0
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	16.03	16.10	16.03	17.2	0.0
Channel				515254	519200	524256	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	16.08	16.11	15.98	17.2	0.0
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	PI2 BPSK	1	1	16.03	16.06	16.02	17.2	0.0
Channel				515002	518000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	16.02	16.10	16.01	17.2	0.0
Channel				515254	519200	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2579.02	2595	2614.98		
10	PI2 BPSK	1	1	16.02	16.06	15.99	17.2	0.0

n41_Ant 0_Other PA

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				509202	518998	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	23.18	23.23	23.16	24.5	0.0
100	PI2 BPSK	1	137	23.18	23.21	23.14		
100	PI2 BPSK	1	271	22.94	23.01	22.97		
100	PI2 BPSK	135	0	22.80	22.89	22.85	24.0	0.5
100	PI2 BPSK	135	69	23.18	23.21	23.12	24.5	0.0
100	PI2 BPSK	135	138	22.69	22.75	22.73	24.0	0.5
100	PI2 BPSK	270	0	22.60	22.83	22.73		
100	QPSK	1	1	23.06	23.16	23.14		
100	QPSK	1	137	23.12	23.21	23.10	24.5	0.0
100	QPSK	1	271	22.94	22.96	22.89		
100	QPSK	135	0	22.29	22.31	22.25		
100	QPSK	135	69	23.14	23.18	23.16	23.5	1.0
100	QPSK	135	138	22.15	22.17	22.07		
100	QPSK	270	0	22.20	22.22	22.17		
100	16QAM	1	1	21.77	21.86	21.77	23.5	1.0
100	64QAM	1	1	20.34	20.36	20.36	22.0	2.5
100	256QAM	1	1	18.85	19.06	19.05	20.0	4.5
Channel				508200	518998	526996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI2 BPSK	1	1	23.16	23.16	23.09	24.5	0.0
Channel				507204	518998	526996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI2 BPSK	1	1	23.16	23.18	23.12	24.5	0.0
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI2 BPSK	1	1	23.15	23.20	23.13	24.5	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI2 BPSK	1	1	23.17	23.18	23.14	24.5	0.0
Channel				504204	518998	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	23.12	23.18	23.15	24.5	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI2 BPSK	1	1	23.16	23.20	23.12	24.5	0.0
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	1	23.12	23.22	23.15	24.5	0.0
Channel				501204	518998	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI2 BPSK	1	1	23.17	23.21	23.14	24.5	0.0
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2500.5	2592.99	2682.48		
15	PI2 BPSK	1	1	23.13	23.22	23.09	24.5	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PI2 BPSK	1	1	23.12	23.17	23.11	24.5	0.0

n41_Ant 1_Other PA

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				509202	518998	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	14.73	14.74	14.69	16.0	0.0
100	PI2 BPSK	1	137	14.64	14.73	14.69		
100	PI2 BPSK	1	271	14.60	14.66	14.57		
100	PI2 BPSK	135	0	14.35	14.54	14.47	16.0	0.0
100	PI2 BPSK	135	69	14.59	14.66	14.54	16.0	0.0
100	PI2 BPSK	135	138	14.51	14.60	14.50	16.0	0.0
100	PI2 BPSK	270	0	14.42	14.48	14.36		
100	QPSK	1	1	14.55	14.64	14.58		
100	QPSK	1	137	14.62	14.70	14.60	16.0	0.0
100	QPSK	1	271	14.58	14.59	14.55		
100	QPSK	135	0	14.66	14.70	14.65		
100	QPSK	135	69	14.52	14.73	14.62	16.0	0.0
100	QPSK	135	138	14.68	14.70	14.68		
100	QPSK	270	0	14.67	14.66	14.69		
100	16QAM	1	1	14.72	14.69	14.80	16.0	0.0
100	64QAM	1	1	14.47	14.62	14.53	16.0	0.0
100	256QAM	1	1	14.67	14.71	14.84	16.0	0.0
Channel				508200	518998	526996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI2 BPSK	1	1	14.66	14.69	14.62	16.0	0.0
Channel				507204	518998	526996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI2 BPSK	1	1	14.69	14.73	14.64	16.0	0.0
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI2 BPSK	1	1	14.71	14.69	14.62	16.0	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI2 BPSK	1	1	14.71	14.67	14.65	16.0	0.0
Channel				504204	518998	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	14.69	14.67	14.65	16.0	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI2 BPSK	1	1	14.70	14.68	14.58	16.0	0.0
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	1	14.66	14.69	14.62	16.0	0.0
Channel				501204	518998	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI2 BPSK	1	1	14.66	14.71	14.63	16.0	0.0
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.5	2592.99	2682.48		
15	PI2 BPSK	1	1	14.68	14.67	14.63	16.0	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PI2 BPSK	1	1	14.69	14.72	14.66	16.0	0.0

n41_Ant 2_Other PA									
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				500202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	24.61	24.65	24.48	25.7	0.0	
100	PI2 BPSK	1	137	24.54	24.63	24.42			
100	PI2 BPSK	1	271	24.44	24.52	24.38			
100	PI2 BPSK	135	0	24.57	24.61	24.40	25.2	0.5	
100	PI2 BPSK	135	69	24.53	24.63	24.45	25.7	0.0	
100	PI2 BPSK	135	138	24.51	24.60	24.47	25.2	0.5	
100	PI2 BPSK	270	0	24.59	24.61	24.40			
100	QPSK	1	1	24.57	24.63	24.47			
100	QPSK	1	137	24.48	24.57	24.38	25.7	0.0	
100	QPSK	1	271	24.35	24.46	24.27	25.7	0.0	
100	QPSK	135	0	24.27	24.30	24.14			
100	QPSK	135	69	24.58	24.60	24.48			
100	QPSK	135	138	24.09	24.18	24.01	24.7	1.0	
100	QPSK	270	0	24.18	24.20	24.02			
100	16QAM	1	1	23.32	23.38	23.24	24.7	1.0	
100	64QAM	1	1	22.21	22.29	22.08	23.2	2.5	
100	256QAM	1	1	20.87	20.92	20.75	21.2	4.5	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	PI2 BPSK	1	1	24.55	24.59	24.44	25.7	0.0	
Channel				507202	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	PI2 BPSK	1	1	24.54	24.62	24.44	25.7	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	PI2 BPSK	1	1	24.59	24.62	24.47	25.7	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	PI2 BPSK	1	1	24.58	24.61	24.47	25.7	0.0	
Channel				504202	518598	532996	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	PI2 BPSK	1	1	24.58	24.59	24.44	25.7	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	PI2 BPSK	1	1	24.55	24.60	24.47	25.7	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	PI2 BPSK	1	1	24.58	24.61	24.41	25.7	0.0	
Channel				501202	518598	535996	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	PI2 BPSK	1	1	24.59	24.58	24.46	25.7	0.0	
Channel				500700	518598	536996	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	PI2 BPSK	1	1	24.58	24.60	24.46	25.7	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	PI2 BPSK	1	1	24.56	24.58	24.47	25.7	0.0	

n41_Ant 3_Other PA									
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				508202	518598	528996			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	17.63	17.77	17.76	18.7	0.0	
100	PI2 BPSK	1	137	17.54	17.68	17.65			
100	PI2 BPSK	1	271	17.43	17.65	17.55			
100	PI2 BPSK	135	0	17.37	17.56	17.41	18.7	0.0	
100	PI2 BPSK	135	69	17.62	17.75	17.73	18.7	0.0	
100	PI2 BPSK	135	138	17.40	17.68	17.58	18.7	0.0	
100	PI2 BPSK	270	0	17.58	17.66	17.62			
100	QPSK	1	1	17.46	17.75	17.71			
100	QPSK	1	137	17.56	17.65	17.68	18.7	0.0	
100	QPSK	1	271	17.53	17.66	17.74	18.7	0.0	
100	QPSK	135	0	17.46	17.63	17.51			
100	QPSK	135	69	17.55	17.75	17.57			
100	QPSK	135	138	17.52	17.64	17.70	18.7	0.0	
100	QPSK	270	0	17.25	17.54	17.47			
100	16QAM	1	1	17.33	17.61	17.40	18.7	0.0	
100	64QAM	1	1	17.39	17.63	17.59	18.7	0.0	
100	256QAM	1	1	17.43	17.63	17.62	18.7	0.0	
Channel				508200	518598	528996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	17.58	17.75	17.72	18.7	0.0	
Channel				507202	518598	529200	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	17.56	17.70	17.73	18.7	0.0	
Channel				506202	518598	531000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	17.57	17.70	17.69	18.7	0.0	
Channel				505200	518598	531996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526.01	2592.99	2659.98			
60	PI2 BPSK	1	1	17.61	17.73	17.71	18.7	0.0	
Channel				504202	518598	532996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	17.60	17.76	17.71	18.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	17.59	17.73	17.72	18.7	0.0	
Channel				502200	518598	534996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	17.59	17.76	17.75	18.7	0.0	
Channel				501202	518598	535996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	17.60	17.75	17.73	18.7	0.0	
Channel				500700	518598	536996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2501.5	2592.99	2682.48			
15	PI2 BPSK	1	1	17.57	17.71	17.73	18.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	17.56	17.73	17.70	18.7	0.0	



Reduced Power for DS11

n7_Ant 0_Other PA									
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				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	22.63	22.69	22.59			
50	PI2 BPSK	1	135	22.57	22.63	22.57			
50	PI2 BPSK	1	268	22.43	22.47	22.39	23.5	0.5	
50	PI2 BPSK	135	0	22.62	22.65	22.58			
50	PI2 BPSK	135	68	22.63	22.67	22.58			
50	PI2 BPSK	135	135	22.56	22.61	22.52			
50	PI2 BPSK	270	0	22.58	22.63	22.58	24.0	0.0	
50	QPSK	1	1	22.48	22.51	22.40			
50	QPSK	1	135	22.42	22.49	22.47			
50	QPSK	1	268	22.41	22.47	22.45			
50	QPSK	135	0	22.15	22.21	22.17	23.0	1.0	
50	QPSK	135	68	22.54	22.61	22.56			
50	QPSK	135	135	22.15	22.20	22.13			
50	QPSK	270	0	22.09	22.16	22.05			
50	16QAM	1	1	21.70	21.72	21.70	23.0	1.0	
50	64QAM	1	1	20.18	20.23	20.21			
50	256QAM	1	1	18.81	18.88	18.86			
50	256QAM	1	1	18.81	18.88	18.86			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2520	2535	2550	(dB)	(dB)	
40	PI2 BPSK	1	1	22.60	22.66	22.58	24.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	PI2 BPSK	1	1	22.56	22.68	22.53		24.0	
Channel				502000	507000	512000			
Frequency (MHz)				2210	2535	2560			
20	PI2 BPSK	1	1	22.60	22.66	22.55		24.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	22.58	22.65	22.52		24.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	22.58	22.63	22.53		24.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	22.57	22.68	22.62		24.0	
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
Channel				500000	507000	514000			

n7_Ant 1_Other PA									
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				505000	507000	509000	18.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	17.00	17.05	16.95			
50	PI2 BPSK	1	135	17.01	16.96	16.99			
50	PI2 BPSK	1	268	16.90	17.03	16.75	18.5	0.0	
50	PI2 BPSK	135	0	16.90	16.97	16.74			
50	PI2 BPSK	135	68	16.79	16.99	16.83			
50	PI2 BPSK	135	135	16.79	16.74	16.66			
50	PI2 BPSK	270	0	16.86	16.88	16.66	18.5	0.0	
50	QPSK	1	1	16.81	16.81	16.88			
50	QPSK	1	135	16.82	16.93	16.92			
50	QPSK	1	268	16.83	17.01	16.88			
50	QPSK	135	0	16.97	16.96	16.86	18.5	0.0	
50	QPSK	135	68	16.91	16.95	16.78			
50	QPSK	135	135	16.93	17.01	16.85			
50	QPSK	270	0	16.81	16.92	16.83			
50	16QAM	1	1	16.85	16.72	16.62	18.5	0.0	
50	64QAM	1	1	16.74	16.94	16.67			
50	256QAM	1	1	16.87	16.86	16.91			
50	256QAM	1	1	16.87	16.86	16.91			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2520	2535	2550	(dB)	(dB)	
40	PI2 BPSK	1	1	16.90	17.02	16.84	18.5	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	PI2 BPSK	1	1	16.87	17.03	16.83		18.5	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	16.98	17.01	16.82		18.5	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	16.94	17.01	16.85		18.5	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	16.91	17.01	16.82		18.5	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	16.94	17.01	16.91		18.5	
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
Channel				500000	507000	514000			

n7_Ant 2_Other PA									
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				505000	507000	509000	19.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	18.11	18.15	18.09			
50	PI2 BPSK	1	135	17.92	18.04	17.92			
50	PI2 BPSK	1	268	17.84	17.96	17.92	19.0	0.0	
50	PI2 BPSK	135	0	18.00	18.05	18.01			
50	PI2 BPSK	135	68	18.03	18.08	17.95			
50	PI2 BPSK	135	135	17.83	17.85	17.83			
50	PI2 BPSK	270	0	18.00	18.07	17.98	19.0	0.0	
50	QPSK	1	1	18.04	18.10	17.98			
50	QPSK	1	135	17.88	18.01	18.01			
50	QPSK	1	268	17.90	17.92	17.84			
50	QPSK	135	0	17.85	18.06	17.94	19.0	0.0	
50	QPSK	135	68	18.01	18.14	17.91			
50	QPSK	135	135	18.05	18.07	18.05			
50	QPSK	270	0	18.10	18.12	18.02			
50	16QAM	1	1	17.70	17.81	17.74	19.0	0.0	
50	64QAM	1	1	17.94	18.05	17.86			
50	256QAM	1	1	17.85	18.02	17.93			
50	256QAM	1	1	17.85	18.02	17.93			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	PI2 BPSK	1	1	18.05	18.03	18.06	19.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	PI2 BPSK	1	1	18.04	18.03	18.06		19.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
25	PI2 BPSK	1	1	18.01	18.11	18.05		19.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
20	PI2 BPSK	1	1	18.05	18.07	18.01		19.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
15	PI2 BPSK	1	1	17.99	18.05	18.06		19.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	18.06	18.04	17.98	19.0		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	PI2 BPSK	1	1	17.99	18.03	18.00	19.0	0.0	

n7_Ant 3_Other PA

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				505000	507000	509000	22.2	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	21.25	21.30	21.29		
50	PI2 BPSK	1	135	21.23	21.23	21.20		
50	PI2 BPSK	1	268	21.17	21.25	21.18	22.2	0.0
50	PI2 BPSK	135	0	21.13	21.11	20.94		
50	PI2 BPSK	135	68	21.16	21.28	21.23		
50	PI2 BPSK	135	135	20.84	21.08	20.94		
50	PI2 BPSK	270	0	20.95	21.04	20.96	22.2	0.0
50	QPSK	1	1	21.14	21.24	21.03		
50	QPSK	1	135	21.07	21.05	21.15		
50	QPSK	1	268	21.13	21.17	21.10		
50	QPSK	135	0	20.96	20.92	20.98	22.2	0.0
50	QPSK	135	68	21.14	21.30	21.16		
50	QPSK	135	135	21.03	21.08	20.99		
50	QPSK	270	0	20.99	21.03	21.09		
50	16QAM	1	1	21.21	21.29	21.17	22.2	0.0
50	64QAM	1	1	21.14	21.20	21.22		
50	256QAM	1	1	20.45	20.52	20.50		
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	PI2 BPSK	1	1	21.12	21.24	21.27	22.2	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	21.20	21.26	21.19		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	PI2 BPSK	1	1	21.18	21.19	21.19	22.2	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	21.20	21.27	21.17		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	PI2 BPSK	1	1	21.18	21.23	21.17	22.2	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	21.22	21.29	21.16		

n66_Ant 2_Other PA

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				346000	349000	352000	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	23.56	23.62	23.44		
40	PI2 BPSK	1	108	23.53	23.60	23.45		
40	PI2 BPSK	1	214	23.49	23.58	23.37	24.0	0.5
40	PI2 BPSK	108	0	23.46	23.57	23.45		
40	PI2 BPSK	108	54	23.55	23.61	23.48		
40	PI2 BPSK	108	108	23.51	23.55	23.41		
40	PI2 BPSK	216	0	23.47	23.59	23.42	24.5	0.0
40	QPSK	1	1	23.45	23.52	23.34		
40	QPSK	1	108	23.51	23.58	23.43		
40	QPSK	1	214	23.47	23.55	23.37		
40	QPSK	108	0	23.00	23.02	22.86	23.5	1.0
40	QPSK	108	54	23.54	23.61	23.49		
40	QPSK	108	108	23.16	23.18	23.06		
40	QPSK	216	0	23.16	23.20	23.03		
40	16QAM	1	1	22.86	22.74	22.59	22.0	2.5
40	64QAM	1	1	21.47	21.58	21.45		
40	256QAM	1	1	19.79	19.81	19.65		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	PI2 BPSK	1	1	23.50	23.59	23.37	24.5	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PI2 BPSK	1	1	23.52	23.61	23.43		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	PI2 BPSK	1	1	23.51	23.61	23.37	24.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	PI2 BPSK	1	1	23.49	23.56	23.41	24.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PI2 BPSK	1	1	23.49	23.56	23.37		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	PI2 BPSK	1	1	23.49	23.57	23.43	24.5	0.0
Channel				342000	349000	356000		
Frequency (MHz)				1710	1745	1780		
Channel				341500	349000	356500		
Frequency (MHz)				1707.5	1745	1782.5		

n66_Ant 3_Other PA

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				346000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.42	22.57	22.54		
40	PI2 BPSK	1	108	22.36	22.55	22.44		
40	PI2 BPSK	1	214	22.33	22.51	22.48	23.5	0.5
40	PI2 BPSK	108	0	22.35	22.53	22.45		
40	PI2 BPSK	108	54	22.40	22.55	22.49		
40	PI2 BPSK	108	108	22.32	22.51	22.45		
40	PI2 BPSK	216	0	22.36	22.53	22.45	24.0	0.0
40	QPSK	1	1	22.28	22.48	22.39		
40	QPSK	1	108	22.37	22.51	22.41		
40	QPSK	1	214	22.31	22.50	22.44		
40	QPSK	108	0	21.84	22.00	21.97	23.0	1.0
40	QPSK	108	54	22.32	22.48	22.41		
40	QPSK	108	108	22.09	22.25	22.22		
40	QPSK	216	0	21.99	22.20	22.14		
40	16QAM	1	1	21.51	21.71	21.63	23.0	1.0
40	64QAM	1	1	20.27	20.42	20.35		
40	256QAM	1	1	18.85	19.05	18.97		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	PI2 BPSK	1	1	22.41	22.55	22.51	24.0	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PI2 BPSK	1	1	22.41	22.52	22.48		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	PI2 BPSK	1	1	22.40	22.53	22.50	24.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	PI2 BPSK	1	1	22.38	22.50	22.51	24.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PI2 BPSK	1	1	22.38	22.53	22.53		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	PI2 BPSK	1	1	22.35	22.51	22.48	24.0	0.0
Channel				342000	349000	356000		
Frequency (MHz)				1710	1745	1780		
Channel				341500	349000	356500		
Frequency (MHz)				1707.5	1745	1782.5		



n38_Ant 0_Other PA

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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	20.84	21.00	20.81		
40	PI2 BPSK	1	53	20.95	20.95	20.84	22.5	0.0
40	PI2 BPSK	1	104	20.75	20.82	20.63		
40	PI2 BPSK	50	0	20.67	20.78	20.64	22.5	0.0
40	PI2 BPSK	50	28	20.67	20.78	20.61	22.5	0.0
40	PI2 BPSK	50	56	20.61	20.70	20.46		
40	PI2 BPSK	100	0	20.72	20.79	20.53	22.5	0.0
40	QPSK	1	1	20.85	20.85	20.75		
40	QPSK	1	53	20.85	20.80	20.70	22.5	0.0
40	QPSK	1	104	20.75	20.80	20.51		
40	QPSK	50	0	20.64	20.75	20.62		
40	QPSK	50	28	20.73	20.72	20.63	22.5	0.0
40	QPSK	50	56	20.61	20.62	20.51		
40	QPSK	100	0	20.70	20.78	20.57	22.5	0.0
40	16QAM	1	1	20.56	20.52	20.33	22.5	0.0
40	64QAM	1	1	20.47	20.55	20.25	22.0	0.5
40	256QAM	1	1	19.04	19.16	18.98	20.5	2.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	20.81	20.89	20.68	22.5	0.0
Channel				515503	519000	521495	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	20.82	20.95	20.75	22.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	20.77	20.91	20.71	22.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	20.80	20.85	20.69	22.5	0.0
Channel				515003	519000	522995	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	20.81	20.90	20.79	22.5	0.0

n38_Ant 1_Other PA

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				518004	519000	519998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	17.87	17.96	17.78		
40	PI2 BPSK	1	53	17.82	17.93	17.76	19.5	0.0
40	PI2 BPSK	1	104	17.80	17.89	17.81		
40	PI2 BPSK	50	0	17.82	17.82	17.72	19.5	0.0
40	PI2 BPSK	50	28	17.74	17.87	17.66	19.5	0.0
40	PI2 BPSK	50	56	17.70	17.75	17.70		
40	PI2 BPSK	100	0	17.79	17.81	17.68	19.5	0.0
40	QPSK	1	1	17.78	17.85	17.69		
40	QPSK	1	53	17.87	17.95	17.79	19.5	0.0
40	QPSK	1	104	17.84	17.95	17.77		
40	QPSK	50	0	17.86	17.87	17.63		
40	QPSK	50	28	17.72	17.78	17.57	19.5	0.0
40	QPSK	50	56	17.80	17.88	17.65		
40	QPSK	100	0	17.86	17.89	17.76	19.5	0.0
40	16QAM	1	1	17.86	17.93	17.91	19.5	0.0
40	64QAM	1	1	17.91	17.92	17.79	19.5	0.0
40	256QAM	1	1	17.77	17.84	17.75	19.5	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	17.82	17.89	17.77	19.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	17.86	17.92	17.77	19.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	17.83	17.87	17.77	19.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	17.81	17.95	17.73	19.5	0.0
Channel				515003	519000	522995	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	17.79	17.92	17.73	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				518004	519000	519998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	18.31	18.39	18.36		
40	PI2 BPSK	1	53	18.16	18.34	18.22	19.5	0.0
40	PI2 BPSK	1	104	18.03	18.23	18.19		
40	PI2 BPSK	50	0	18.12	18.22	18.23	19.5	0.0
40	PI2 BPSK	50	28	18.12	18.27	18.13	19.5	0.0
40	PI2 BPSK	50	56	17.99	18.18	18.16		
40	PI2 BPSK	100	0	18.05	18.23	18.16	19.5	0.0
40	QPSK	1	1	18.05	18.19	18.16		
40	QPSK	1	53	17.94	18.11	17.89	19.5	0.0
40	QPSK	1	104	17.80	18.00	18.00		
40	QPSK	50	0	18.05	18.22	18.03		
40	QPSK	50	28	17.91	18.16	18.11	19.5	0.0
40	QPSK	50	56	18.06	18.10	18.03		
40	QPSK	100	0	18.04	18.21	18.09	19.5	0.0
40	16QAM	1	1	18.01	18.21	18.09	19.5	0.0
40	64QAM	1	1	18.26	18.35	18.22	19.5	0.0
40	256QAM	1	1	18.20	18.37	18.30	19.5	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	18.25	18.32	18.27	19.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	18.22	18.28	18.24	19.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	18.28	18.28	18.26	19.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	18.28	18.34	18.29	19.5	0.0
Channel				515003	519000	522995	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	18.28	18.31	18.30	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				50202	51898	53000				
Frequency (MHz)				2546.01	2592.99	2640				
100	PI2 BPSK	1	1	21.70	21.75	21.88		23.0	0.0	
100	PI2 BPSK	1	137	21.73	21.76	21.87				
100	PI2 BPSK	1	271	21.44	21.51	21.45				
100	PI2 BPSK	135	0	21.61	21.65	21.70	23.0	0.0	0.0	
100	PI2 BPSK	135	69	21.70	21.71	21.83	23.0			
100	PI2 BPSK	135	138	21.56	21.62	21.86				
100	PI2 BPSK	270	0	21.57	21.66	21.50	23.0	0.0	0.0	
100	QPSK	1	1	21.52	21.68	21.85				
100	QPSK	1	137	21.57	21.74	21.82	23.0			
100	QPSK	1	271	21.44	21.42	21.35		23.0	0.0	
100	QPSK	135	0	20.78	20.83	20.71				
100	QPSK	135	69	21.58	21.73	21.87				
100	QPSK	135	138	21.69	21.68	21.60		23.0	0.0	
100	QPSK	270	0	21.68	21.75	21.72	23.0			
100	16QAM	1	1	21.61	21.68	21.54	23.0			
100	64QAM	1	1	20.39	20.38	20.33	22.0	1.6	0.0	
100	256QAM	1	1	18.87	19.08	18.92	20.0			
Channel				508200	518698	528996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	PI2 BPSK	1	1	21.57	21.65	21.57	23.0	0.0	0.0	
Channel				507204	518698	529998	Tune-up limit (dBm)			
Frequency (MHz)				2536.02	2592.99	2649.99				
80	PI2 BPSK	1	1	21.59	21.68	21.60	23.0	0.0	0.0	
Channel				506202	518698	531000	Tune-up limit (dBm)			
Frequency (MHz)				2531.01	2592.99	2655				
70	PI2 BPSK	1	1	21.58	21.64	21.58	23.0	0.0	0.0	
Channel				505200	518698	531996	Tune-up limit (dBm)			
Frequency (MHz)				2526	2592.99	2659.98				
60	PI2 BPSK	1	1	21.60	21.63	21.57	23.0	0.0	0.0	
Channel				504204	518698	532998	Tune-up limit (dBm)			
Frequency (MHz)				2521.02	2592.99	2664.99				
50	PI2 BPSK	1	1	21.60	21.73	21.80	23.0	0.0	0.0	
Channel				503202	518698	534000	Tune-up limit (dBm)			
Frequency (MHz)				2516.01	2592.99	2670				
40	PI2 BPSK	1	1	21.65	21.73	21.57	23.0	0.0	0.0	
Channel				502200	518698	534996	Tune-up limit (dBm)			
Frequency (MHz)				2511	2592.99	2674.98				
30	PI2 BPSK	1	1	21.68	21.73	21.62	23.0	0.0	0.0	
Channel				512224	51898	532999	Tune-up limit (dBm)			
Frequency (MHz)				2506.02	2592.99	2679.99				
20	PI2 BPSK	1	1	21.65	21.62	21.64	23.0	0.0	0.0	
Channel				500700	518698	536498	Tune-up limit (dBm)			
Frequency (MHz)				2503.5	2592.99	2682.48				
15	PI2 BPSK	1	1	21.59	21.70	21.65	23.0	0.0	0.0	
Channel				500202	518698	537000	Tune-up limit (dBm)			
Frequency (MHz)				2501.01	2592.99	2685				
10	PI2 BPSK	1	1	21.65	21.70	21.62	23.0	0.0	0.0	
Channel										
Frequency (MHz)										

n41_Ant 1_Other PA									
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				508002	51898	53000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	17.19	17.27	17.20	18.5		0.0
100	PI2 BPSK	1	137	17.21	17.18	17.06			
100	PI2 BPSK	1	271	17.15	17.11	17.14			
100	PI2 BPSK	135	0	17.02	17.11	17.14	18.5		0.0
100	PI2 BPSK	135	69	17.09	17.22	17.15	18.5		0.0
100	PI2 BPSK	135	138	17.08	17.13	17.12	18.5		0.0
100	PI2 BPSK	270	0	17.06	17.13	17.06	18.5		0.0
100	QPSK	1	1	17.02	17.16	17.06	18.5		
100	QPSK	1	137	17.20	17.14	17.14			
100	QPSK	1	271	17.03	17.08	17.01			
100	QPSK	135	0	17.19	17.23	17.20	18.5		
100	QPSK	135	69	17.14	17.19	17.19			
100	QPSK	135	138	17.21	17.24	17.19			
100	QPSK	270	0	17.10	17.16	17.14	18.5		0.0
100	16QAM	1	1	17.05	17.12	17.00	18.5		0.0
100	64QAM	1	1	17.02	17.10	17.10	18.5		0.0
100	256QAM	1	1	16.88	17.02	16.93	18.5		0.0
Channel				508500	518998	528996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	17.13	17.22	17.15	18.5		0.0
Channel				51224	51898	529996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	17.06	17.21	17.15	18.5		0.0
Channel				506202	518698	531000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI2 BPSK	1	1	17.17	17.24	17.14	18.5		0.0
Channel				505200	518698	531996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	17.17	17.15	17.14	18.5		0.0
Channel				504224	518698	532999	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	17.17	17.19	17.14	18.5		0.0
Channel				503202	518698	534000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	17.13	17.16	17.11	18.5		0.0
Channel				502200	518698	534996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	17.13	17.14	17.13	18.5		0.0
Channel				51224	51898	532999	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	17.17	17.16	17.15	18.5		0.0
Channel				500700	518698	536498	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	PI2 BPSK	1	1	17.07	17.17	17.07	18.5		0.0
Channel				500202	518698	537000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	17.17	17.16	17.15	18.5		0.0

n41_Ant 2_Other PA									
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				50202	51898	53000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	18.10	18.18	17.99		19.2	0.0
100	PI2 BPSK	1	137	18.05	18.17	17.98			
100	PI2 BPSK	1	271	17.90	18.06	17.87			
100	PI2 BPSK	135	0	18.03	18.11	17.91	19.2	0.0	0.0
100	PI2 BPSK	135	69	18.02	18.16	17.97	19.2		
100	PI2 BPSK	135	138	17.87	18.13	17.99			
100	PI2 BPSK	270	0	18.06	18.15	17.91	19.2	0.0	0.0
100	QPSK	1	1	18.08	18.14	18.03			
100	QPSK	1	137	17.94	18.08	17.91	19.2		
100	QPSK	1	271	17.84	17.98	17.78		19.2	0.0
100	QPSK	135	0	17.81	17.78	17.82			
100	QPSK	135	69	18.07	18.16	17.98			
100	QPSK	135	138	17.95	18.00	17.81		19.2	0.0



Reduced Power for DSI3

n7_Ant 0_Other PA									
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				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	22.63	22.69	22.59			
50	PI2 BPSK	1	135	22.57	22.63	22.57			
50	PI2 BPSK	1	268	22.43	22.47	22.39	23.5	0.5	
50	PI2 BPSK	135	0	22.62	22.65	22.58			
50	PI2 BPSK	135	68	22.63	22.67	22.58			
50	PI2 BPSK	135	135	22.56	22.61	22.52			
50	PI2 BPSK	270	0	22.58	22.63	22.58	24.0	0.0	
50	QPSK	1	1	22.48	22.51	22.40			
50	QPSK	1	135	22.42	22.49	22.47			
50	QPSK	1	268	22.41	22.47	22.45			
50	QPSK	135	0	22.15	22.21	22.17	23.0	1.0	
50	QPSK	135	68	22.54	22.61	22.56			
50	QPSK	135	135	22.15	22.20	22.13			
50	QPSK	270	0	22.09	22.16	22.05			
50	16QAM	1	1	21.70	21.72	21.70	23.0	1.0	
50	64QAM	1	1	20.18	20.23	20.21			
50	256QAM	1	1	18.81	18.88	18.86			
50	256QAM	1	1	18.81	18.88	18.86			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	PI2 BPSK	1	1	22.60	22.66	22.58	24.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	PI2 BPSK	1	1	22.56	22.68	22.53		24.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	22.60	22.66	22.55		24.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	22.56	22.65	22.52		24.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	22.58	22.63	22.53		24.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	22.57	22.68	22.62		24.0	
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
Channel				500000	507000	514000			

n7_Ant 1_Other PA									
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				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	22.50	22.54	22.49			
50	PI2 BPSK	1	135	22.52	22.45	22.48			
50	PI2 BPSK	1	268	22.39	22.46	22.39	24.0	0.0	
50	PI2 BPSK	135	0	22.34	22.47	22.23			
50	PI2 BPSK	135	68	22.35	22.51	22.36			
50	PI2 BPSK	135	135	22.28	22.28	22.08			
50	PI2 BPSK	270	0	22.31	22.35	22.15	24.0	0.0	
50	QPSK	1	1	22.24	22.31	22.39			
50	QPSK	1	135	22.27	22.40	22.42			
50	QPSK	1	268	22.44	22.53	22.58			
50	QPSK	135	0	22.53	22.46	22.40	24.0	0.0	
50	QPSK	135	68	22.39	22.49	22.33			
50	QPSK	135	135	22.39	22.53	22.31			
50	QPSK	270	0	22.29	22.40	22.39			
50	16QAM	1	1	22.22	22.23	22.15	24.0	0.0	
50	64QAM	1	1	22.22	22.49	22.37			
50	256QAM	1	1	22.32	22.33	22.45			
50	256QAM	1	1	22.32	22.33	22.45			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	PI2 BPSK	1	1	22.39	22.45	22.39	24.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	PI2 BPSK	1	1	22.42	22.45	22.45		24.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	22.44	22.47	22.44		24.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	PI2 BPSK	1	1	22.38	22.42	22.42		24.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	22.38	22.43	22.41		24.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	22.41	22.41	22.42		24.0	
Channel				500000	507000	514000			
Frequency (MHz)				2500	2535	2570			
Channel				500000	507000	514000			

n7_Ant 2_Other PA											
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				505000	507000	509000	24.0	0.0			
Frequency (MHz)				2525	2535	2545					
50	PI2 BPSK	1	1	23.14	23.15	23.10					
50	PI2 BPSK	1	135	22.87	23.05	22.91					
50	PI2 BPSK	1	268	22.91	22.94	22.91	24.0	0.0			
50	PI2 BPSK	135	0	22.97	23.01	22.99					
50	PI2 BPSK	135	68	23.10	23.12	22.92				24.0	0.0
50	PI2 BPSK	135	135	22.82	22.78	22.84				24.0	0.0
50	PI2 BPSK	270	0	22.96	23.10	23.01	24.0	0.0			
50	QPSK	1	1	23.04	23.08	22.96					
50	QPSK	1	135	22.85	23.01	23.08					
50	QPSK	1	268	22.83	22.86	22.86					
50	QPSK	135	0	22.99	23.11	23.00	24.0	0.0			
50	QPSK	135	68	22.97	23.09	22.96					
50	QPSK	135	135	23.11	23.00	23.11					
50	QPSK	270	0	23.10	23.10	23.05					
50	16QAM	1	1	22.70	22.84	22.80	24.0	0.0			
50	64QAM	1	1	21.38	21.58	21.51					
50	256QAM	1	1	19.50	19.64	19.55					
50	256QAM	1	1	19.50	19.64	19.55					
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)			
40	PI2 BPSK	1	1	23.07	23.03	23.06	24.0	0.0			
Channel				503000	507000	511000					
Frequency (MHz)				2515	2535	2555					
30	PI2 BPSK	1	1	23.01	23.04	23.07		24.0			
Channel				502000	507000	512000					
Frequency (MHz)				2510	2535	2560					
20	PI2 BPSK	1	1	23.02	23.08	23.02		24.0			
Channel				501500	507000	512500					
Frequency (MHz)				2507.5	2535	2562.5					
15	PI2 BPSK	1	1	23.01	23.09	22.99		24.0			
Channel				501000	507000	513000					
Frequency (MHz)				2505	2535	2565					
10	PI2 BPSK	1	1	23.09	23.04	23.00		24.0	0.0		
Channel				500500	507000	513500					
Frequency (MHz)				2502.5	2535	2567.5					
5	PI2 BPSK	1	1	23.12	23.13	23.00	24.0	0.0			
Channel				500000	507000	514000					
Frequency (MHz)				2500	2535	2570					

n7_Ant 3_Other PA

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				505000	507000	509000	25.7	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	24.74	24.76	24.72		
50	PI2 BPSK	1	135	24.68	24.71	24.66	25.2	0.5
50	PI2 BPSK	1	268	24.65	24.70	24.59		
50	PI2 BPSK	135	0	24.40	24.43	24.38		
50	PI2 BPSK	135	68	24.66	24.75	24.72	25.7	0.0
50	PI2 BPSK	135	135	24.42	24.51	24.41	25.2	0.5
50	PI2 BPSK	270	0	24.47	24.55	24.52		
50	QPSK	1	1	24.69	24.73	24.63		
50	QPSK	1	135	24.81	24.68	24.81	25.7	0.0
50	QPSK	1	268	24.55	24.66	24.64	24.7	1.0
50	QPSK	135	0	23.80	23.85	23.78		
50	QPSK	135	68	24.66	24.71	24.60		
50	QPSK	135	135	23.76	23.89	23.80	24.7	1.0
50	QPSK	270	0	23.77	23.81	23.74	24.7	1.0
50	16QAM	1	1	23.92	23.36	23.29		
50	64QAM	1	1	21.77	21.86	21.80		
50	256QAM	1	1	20.47	20.51	20.45	21.2	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	25.7	0.0
40	PI2 BPSK	1	1	24.69	24.70	24.71		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	25.7	0.0
30	PI2 BPSK	1	1	24.70	24.75	24.66		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2550	25.7	0.0
25	PI2 BPSK	1	1	24.71	24.72	24.70		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.7	0.0
20	PI2 BPSK	1	1	24.68	24.71	24.66		
Channel				500000	507000	515000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	25.7	0.0
10	PI2 BPSK	1	1	24.67	24.69	24.70		
Channel				500500	507000	515500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	25.7	0.0
5	PI2 BPSK	1	1	24.69	24.73	24.66		

n66_Ant 2_Other PA

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				346000	349000	352000	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	23.56	23.62	23.44		
40	PI2 BPSK	1	168	23.53	23.60	23.45	24.0	0.5
40	PI2 BPSK	1	214	23.49	23.58	23.37		
40	PI2 BPSK	168	0	23.46	23.57	23.45		
40	PI2 BPSK	168	54	23.55	23.61	23.48	24.5	0.0
40	PI2 BPSK	168	108	23.51	23.55	23.41	24.0	0.5
40	PI2 BPSK	216	0	23.47	23.55	23.42		
40	QPSK	1	1	23.45	23.52	23.34		
40	QPSK	1	168	23.51	23.58	23.43	24.5	0.0
40	QPSK	1	214	23.47	23.55	23.37	23.5	1.0
40	QPSK	168	0	23.00	23.02	22.86		
40	QPSK	168	54	23.54	23.61	23.49		
40	QPSK	168	108	23.16	23.18	23.06	23.5	1.0
40	QPSK	216	0	23.16	23.20	23.03		
40	16QAM	1	1	22.66	22.74	22.59		
40	64QAM	1	1	21.47	21.58	21.45	22.0	2.5
40	256QAM	1	1	19.79	19.81	19.65	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.5	0.0
30	PI2 BPSK	1	1	23.50	23.59	23.37		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	24.5	0.0
25	PI2 BPSK	1	1	23.52	23.61	23.43		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	PI2 BPSK	1	1	23.51	23.61	23.37		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.5	0.0
15	PI2 BPSK	1	1	23.49	23.58	23.41		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	PI2 BPSK	1	1	23.49	23.56	23.37		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	PI2 BPSK	1	1	23.49	23.57	23.43		

n66_Ant 3_Other PA

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				346000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.42	22.57	22.54		
40	PI2 BPSK	1	168	22.36	22.56	22.44	23.5	0.5
40	PI2 BPSK	1	214	22.33	22.51	22.48		
40	PI2 BPSK	168	0	22.35	22.53	22.45		
40	PI2 BPSK	168	54	22.40	22.55	22.49	24.0	0.0
40	PI2 BPSK	168	108	22.32	22.51	22.49	23.5	0.5
40	PI2 BPSK	216	0	22.36	22.53	22.49		
40	QPSK	1	1	22.28	22.48	22.39		
40	QPSK	1	168	22.37	22.51	22.41	24.0	0.0
40	QPSK	1	214	22.31	22.50	22.44	23.0	1.0
40	QPSK	168	0	21.84	22.00	21.97		
40	QPSK	168	54	22.32	22.48	22.41		
40	QPSK	168	108	22.09	22.25	22.22	23.0	1.0
40	QPSK	216	0	21.99	22.20	22.14		
40	16QAM	1	1	21.51	21.71	21.53		
40	64QAM	1	1	20.27	20.42	20.35	21.5	2.5
40	256QAM	1	1	18.85	19.05	18.97	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.0	0.0
30	PI2 BPSK	1	1	22.41	22.55	22.51		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	24.0	0.0
25	PI2 BPSK	1	1	22.41	22.52	22.48		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.0	0.0
20	PI2 BPSK	1	1	22.40	22.53	22.50		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0
15	PI2 BPSK	1	1	22.38	22.50	22.51		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.0	0.0
10	PI2 BPSK	1	1	22.38	22.53	22.53		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0
5	PI2 BPSK	1	1	22.35	22.51	22.48		



n38_Ant 0_Other PA

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				518004	518000	518996		
Frequency (MHz)				2580.02	2586	2599.98		
40	P12 BPSK	1	1	22.89	22.98	22.85		
40	P12 BPSK	1	53	22.92	22.95	22.80	24.5	0.0
40	P12 BPSK	1	104	22.73	22.78	22.58		
40	P12 BPSK	50	0	22.84	22.75	22.81	24.0	0.5
40	P12 BPSK	50	28	22.72	22.79	22.62	24.5	0.0
40	P12 BPSK	50	56	22.57	22.68	22.49		
40	P12 BPSK	100	0	22.69	22.76	22.57	24.0	0.5
40	QPSK	1	1	22.88	22.91	22.77		
40	QPSK	1	53	22.83	22.80	22.71	24.5	0.0
40	QPSK	1	104	22.70	22.75	22.56		
40	QPSK	50	0	22.15	22.21	22.08		
40	QPSK	50	28	22.68	22.74	22.61	23.5	1.0
40	QPSK	50	56	22.06	22.17	21.98		
40	QPSK	100	0	22.20	22.24	22.07	23.5	1.0
40	16QAM	1	1	22.01	22.06	21.87	23.5	1.0
40	64QAM	1	1	20.44	20.50	20.30	22.0	2.5
40	256QAM	1	1	19.08	19.18	18.99	20.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	P12 BPSK	1	1	22.87	22.83	22.83	24.5	0.0
Channel				518004	518000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	P12 BPSK	1	1	22.82	22.93	22.83	24.5	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	P12 BPSK	1	1	22.83	22.94	22.78	24.5	0.0
Channel				518002	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	P12 BPSK	1	1	22.88	22.95	22.82	24.5	0.0
Channel				518004	519000	522596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	P12 BPSK	1	1	22.83	22.91	22.78	24.5	0.0

n38_Ant 1_Other PA

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				518004	518000	518998		
Frequency (MHz)				2580.02	2595	2599.98		
40	P12 BPSK	1	1	23.36	23.45	23.32		
40	P12 BPSK	1	53	23.30	23.41	23.24	25.0	0.0
40	P12 BPSK	1	104	23.32	23.42	23.29		
40	P12 BPSK	50	0	23.12	23.16	23.00	24.5	0.5
40	P12 BPSK	50	28	23.17	23.22	23.04	25.0	0.0
40	P12 BPSK	50	56	23.10	23.15	23.03		
40	P12 BPSK	100	0	23.19	23.21	23.06	24.5	0.5
40	QPSK	1	1	23.20	23.28	23.07		
40	QPSK	1	53	23.27	23.34	23.15	25.0	0.0
40	QPSK	1	104	23.27	23.31	23.16		
40	QPSK	50	0	22.59	22.62	22.41		
40	QPSK	50	28	23.06	23.13	22.87	24.0	1.0
40	QPSK	50	56	22.98	22.83	22.48		
40	QPSK	100	0	22.59	22.68	22.49	24.0	1.0
40	16QAM	1	1	22.30	22.38	22.20	24.0	1.0
40	64QAM	1	1	20.75	20.85	20.68	22.5	2.5
40	256QAM	1	1	19.50	19.59	19.42	20.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	P12 BPSK	1	1	23.33	23.44	23.30	25.0	0.0
Channel				518004	518000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	P12 BPSK	1	1	23.35	23.44	23.25	25.0	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	P12 BPSK	1	1	23.30	23.30	23.27	25.0	0.0
Channel				518002	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	P12 BPSK	1	1	23.33	23.43	23.26	25.0	0.0
Channel				518004	518000	522596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	P12 BPSK	1	1	23.30	23.38	23.30	25.0	0.0

n38_Ant 2_Other PA

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				518004	518000	518998		
Frequency (MHz)				2580.02	2595	2599.98		
40	P12 BPSK	1	1	22.78	22.87	22.83		
40	P12 BPSK	1	53	22.70	22.79	22.68	24.0	0.0
40	P12 BPSK	1	104	22.55	22.74	22.71		
40	P12 BPSK	50	0	22.67	22.66	22.73	24.0	0.0
40	P12 BPSK	50	28	22.64	22.75	22.56	24.0	0.0
40	P12 BPSK	50	56	22.49	22.70	22.68		
40	P12 BPSK	100	0	22.60	22.68	22.59	24.0	0.0
40	QPSK	1	1	22.82	22.73	22.82		
40	QPSK	1	53	22.48	22.68	22.45	24.0	0.0
40	QPSK	1	104	22.35	22.46	22.53		
40	QPSK	50	0	22.58	22.72	22.58		
40	QPSK	50	28	22.40	22.70	22.60	24.0	0.0
40	QPSK	50	56	22.62	22.59	22.50		
40	QPSK	100	0	22.52	22.72	22.54	24.0	0.0
40	16QAM	1	1	22.52	22.69	22.62	24.0	0.0
40	64QAM	1	1	21.85	21.80	21.70	23.0	1.0
40	256QAM	1	1	18.43	18.52	18.45	21.0	3.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	P12 BPSK	1	1	22.74	22.84	22.77	24.0	0.0
Channel				518004	518000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	P12 BPSK	1	1	22.72	22.77	22.73	24.0	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	P12 BPSK	1	1	22.74	22.80	22.81	24.0	0.0
Channel				518002	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	P12 BPSK	1	1	22.70	22.75	22.74	24.0	0.0
Channel				518004	518000	522596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	P12 BPSK	1	1	22.66	22.78	22.74	24.0	0.0

n38_Ant 3_Other PA

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				518004	519000	519998		
Frequency (MHz)				2590.02	2595	2599.98		
40	P12 BPSK	1	1	24.55	24.61	24.52		
40	P12 BPSK	1	53	24.53	24.60	24.57		
40	P12 BPSK	1	104	24.48	24.58	24.51	25.7	0.0
40	P12 BPSK	50	0	24.27	24.35	24.26	25.2	0.5
40	P12 BPSK	50	28	24.43	24.50	24.45	25.7	0.0
40	P12 BPSK	50	58	24.39	24.43	24.36		
40	P12 BPSK	100	0	24.40	24.48	24.46	25.2	0.5
40	QPSK	1	1	24.33	24.36	24.32		
40	QPSK	1	53	24.38	24.43	24.39	25.7	0.0
40	QPSK	1	104	24.36	24.45	24.36		
40	QPSK	50	0	23.74	23.83	23.73		
40	QPSK	50	28	24.38	24.42	24.40	24.7	1.0
40	QPSK	50	58	23.84	23.93	23.85		
40	QPSK	100	0	23.89	23.98	23.95	24.7	1.0
40	16QAM	1	1	23.58	23.63	23.58	24.7	1.0
40	64QAM	1	1	22.03	22.14	22.11	23.2	2.5
40	256QAM	1	1	20.73	20.82	20.77	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	P12 BPSK	1	1	24.52	24.56	24.51	25.7	0.0
Channel				517004	519000	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	P12 BPSK	1	1	24.52	24.56	24.49	25.7	0.0
Channel				518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2460	2595	2610		
20	P12 BPSK	1	1	24.48	24.58	24.47	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	P12 BPSK	1	1	24.52	24.55	24.50	25.7	0.0
Channel				517004	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	P12 BPSK	1	1	24.54	24.60	24.49	25.7	0.0

n41_Ant 0_Other PA

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				509202	518598	520000		
Frequency (MHz)				2548.01	2592.99	2640		
100	P12 BPSK	1	1	23.18	23.23	23.18		
100	P12 BPSK	1	137	23.18	23.21	23.14	24.5	0.0
100	P12 BPSK	1	271	22.94	23.01	22.97		
100	P12 BPSK	135	0	22.80	22.89	22.85	24.0	0.5
100	P12 BPSK	135	69	23.18	23.21	23.12	24.5	0.0
100	P12 BPSK	135	138	22.69	22.75	22.73		
100	P12 BPSK	270	0	22.80	22.83	22.73	24.0	0.5
100	QPSK	1	1	23.08	23.16	23.14		
100	QPSK	1	137	23.12	23.21	23.10	24.5	0.0
100	QPSK	1	271	22.94	22.98	22.89		
100	QPSK	135	0	22.29	22.31	22.25		
100	QPSK	135	69	23.14	23.18	23.16	23.5	1.0
100	QPSK	135	138	22.15	22.17	22.07		
100	QPSK	270	0	22.20	22.22	22.17	23.5	1.0
100	16QAM	1	1	21.77	21.88	21.77	23.5	1.0
100	64QAM	1	1	20.34	20.39	20.36	22.8	2.5
100	256QAM	1	1	18.95	19.08	18.95	20.0	4.5
Channel				508200	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	P12 BPSK	1	1	23.16	23.16	23.00	24.5	0.0
Channel				517204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	P12 BPSK	1	1	23.16	23.18	23.12	24.5	0.0
Channel				506202	518598	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2652		
70	P12 BPSK	1	1	23.16	23.20	23.13	24.5	0.0
Channel				505200	518598	521998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	P12 BPSK	1	1	23.17	23.18	23.14	24.5	0.0
Channel				517204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	P12 BPSK	1	1	23.12	23.18	23.15	24.5	0.0
Channel				503202	518598	524000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2670		
40	P12 BPSK	1	1	23.16	23.20	23.12	24.5	0.0
Channel				502200	518598	524998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	P12 BPSK	1	1	23.12	23.22	23.15	24.5	0.0
Channel				517204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	P12 BPSK	1	1	23.17	23.21	23.14	24.5	0.0
Channel				500700	518598	526498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	P12 BPSK	1	1	23.13	23.22	23.09	24.5	0.0
Channel				500202	518598	527000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	P12 BPSK	1	1	23.12	23.17	23.11	24.5	0.0

n41_Ant 1_Other PA

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				509202	518598	520000		
Frequency (MHz)				2548.01	2592.99	2640		
100	P12 BPSK	1	1	23.68	23.73	23.65		
100	P12 BPSK	1	137	23.69	23.72	23.62	25.0	0.0
100	P12 BPSK	1	271	23.59	23.65	23.60		
100	P12 BPSK	135	0	23.28	23.38	23.33	24.5	0.5
100	P12 BPSK	135	69	23.64	23.71	23.61	24.5	0.0
100	P12 BPSK	135	138	23.36	23.43	23.39		
100	P12 BPSK	270	0	23.37	23.40	23.31	24.5	0.5
100	QPSK	1	1	23.27	23.62	23.52		
100	QPSK	1	137	23.64	23.71	23.60	25.0	0.0
100	QPSK	1	271	23.55	23.65	23.56		
100	QPSK	135	0	22.88	22.76	22.71		
100	QPSK	135	69	23.59	23.68	23.64	24.0	1.0
100	QPSK	135	138	22.94	22.74	22.71		
100	QPSK	270	0	22.76	22.78	22.74	24.0	1.0
100	16QAM	1	1	22.34	22.38	22.27	24.0	1.0
100	64QAM	1	1	20.87	20.75	20.71	22.5	2.5
100	256QAM	1	1	19.33	19.42	19.38	20.5	4.5
Channel				508200	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	P12 BPSK	1	1	23.64	23.72	23.58	25.0	0.0
Channel				517204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	P12 BPSK	1	1	23.64	23.70	23.59	25.0	0.0
Channel				506202	518598	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	P12 BPSK	1	1	23.63	23.72	23.62	25.0	0.0
Channel				505200	518598	521998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	P12 BPSK	1	1	23.62	23.69	23.63	25.0	0.0
Channel				517204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	P12 BPSK	1	1	23.62	23.68	23.59	25.0	0.0
Channel				503202	518598	524000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2670		
40	P12 BPSK	1	1	23.62	23.70	23.62	25.0	0.0
Channel				502200	518598	524998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	P12 BPSK	1	1	23.65	23.70	23.58	25.0	0.0
Channel				517204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	P12 BPSK	1	1	23.66	23.69	23.64	25.0	0.0
Channel				500700	518598	526498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	P12 BPSK	1	1	23.67	23.69	23.61	25.0	0.0
Channel				500202	518598	527000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	P12 BPSK	1	1	23.65	23.67	23.61	25.0	0.0

n41_Ant 2_Other PA									
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				500202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.15	23.19	23.00	24.2	0.0	
100	PI2 BPSK	1	137	23.07	23.17	22.93			
100	PI2 BPSK	1	271	22.93	23.07	22.87			
100	PI2 BPSK	135	0	23.04	23.12	22.98			
100	PI2 BPSK	135	69	22.96	23.17	23.04	24.2	0.0	
100	PI2 BPSK	135	138	22.91	23.15	23.05	24.2	0.0	
100	PI2 BPSK	270	0	23.03	23.10	22.84			
100	QPSK	1	1	23.13	23.10	23.02			
100	QPSK	1	137	23.00	23.07	22.92			
100	QPSK	1	271	22.87	22.96	22.84	24.2	0.0	
100	QPSK	135	0	22.80	22.77	22.55			
100	QPSK	135	69	23.03	23.15	22.87			
100	QPSK	135	138	22.97	22.97	22.75			
100	QPSK	270	0	23.00	22.96	22.92	24.2	0.0	
100	16QAM	1	1	23.07	23.01	23.06	24.2	0.0	
100	64QAM	1	1	22.21	22.27	22.04	23.2	1.0	
100	256QAM	1	1	20.92	20.95	20.75	21.2	3.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	23.03	23.08	22.91	24.2	0.0	
Channel				512204	518598	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	23.09	23.15	22.92	24.2	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2645			
70	PI2 BPSK	1	1	23.06	23.12	22.95	24.2	0.0	
Channel				500200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	23.07	23.10	22.85	24.2	0.0	
Channel				512204	518598	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	23.08	23.12	22.90	24.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	23.06	23.09	22.98	24.2	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	23.13	23.07	22.98	24.2	0.0	
Channel				512204	518598	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	23.10	23.16	22.87	24.2	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.15	2592.99	2682.48			
15	PI2 BPSK	1	1	23.09	23.10	22.97	24.2	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	23.03	23.15	22.94	24.2	0.0	

n41_Ant 3_Other PA									
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				500202	518598	528900			
Frequency (MHz)				2536.01	2592.99	2640			
100	PI2 BPSK	1	1	24.62	24.73	24.72	25.7	0.0	
100	PI2 BPSK	1	137	24.59	24.71	24.65			
100	PI2 BPSK	1	271	24.50	24.70	24.59			
100	PI2 BPSK	135	0	24.29	24.45	24.34			
100	PI2 BPSK	135	69	24.57	24.74	24.71	25.2	0.5	
100	PI2 BPSK	135	138	24.37	24.53	24.42			
100	PI2 BPSK	270	0	24.41	24.57	24.50			
100	QPSK	1	1	24.51	24.68	24.64			
100	QPSK	1	137	24.51	24.65	24.62	25.7	0.0	
100	QPSK	1	271	24.59	24.71	24.69			
100	QPSK	135	0	23.83	23.95	23.85			
100	QPSK	135	69	24.51	24.70	24.63			
100	QPSK	135	138	23.85	24.01	23.98	24.7	1.0	
100	QPSK	270	0	23.82	24.00	23.91			
100	16QAM	1	1	23.25	23.45	23.36	24.7	1.0	
100	64QAM	1	1	21.80	22.00	21.96	23.2	2.5	
100	256QAM	1	1	20.44	20.65	20.60	21.2	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	24.56	24.73	24.70	25.7	0.0	
Channel				512204	518598	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	24.57	24.68	24.70	25.7	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2645			
70	PI2 BPSK	1	1	24.60	24.71	24.67	25.7	0.0	
Channel				500200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	24.61	24.72	24.67	25.7	0.0	
Channel				512204	518598	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	24.55	24.72	24.68	25.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	24.55	24.73	24.67	25.7	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	24.61	24.74	24.66	25.7	0.0	
Channel				512204	518598	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	24.55	24.73	24.70	25.7	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.15	2592.99	2692.48			
15	PI2 BPSK	1	1	24.60	24.72	24.65	25.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	PI2 BPSK	1	1	24.60	24.72	24.69	25.7	0.0	



Reduced Power for DSI4

n7_Ant 0_Other PA

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				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	22.63	22.69	22.59		
50	PI2 BPSK	1	135	22.57	22.63	22.57		
50	PI2 BPSK	1	268	22.43	22.47	22.39	23.5	0.5
50	PI2 BPSK	135	0	22.62	22.65	22.58		
50	PI2 BPSK	135	68	22.63	22.67	22.58		
50	PI2 BPSK	135	135	22.56	22.61	22.52		
50	PI2 BPSK	270	0	22.58	22.63	22.58	24.0	0.0
50	QPSK	1	1	22.48	22.51	22.40		
50	QPSK	1	135	22.42	22.49	22.47		
50	QPSK	1	268	22.41	22.47	22.45		
50	QPSK	135	0	22.15	22.21	22.17	23.0	1.0
50	QPSK	135	68	22.54	22.61	22.56		
50	QPSK	135	135	22.15	22.20	22.13		
50	QPSK	270	0	22.09	22.16	22.05		
50	16QAM	1	1	21.70	21.72	21.70	23.0	1.0
50	64QAM	1	1	20.18	20.23	20.21		
50	256QAM	1	1	18.81	18.88	18.86		
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550	24.0	0.0
40	PI2 BPSK	1	1	22.60	22.66	22.59		
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	22.56	22.68	22.53	24.0	0.0
Channel				502000	507000	511500		
Frequency (MHz)				2510	2535	2560		
25	PI2 BPSK	1	1	22.56	22.62	22.58		
Channel				502000	507000	512000	24.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	22.60	22.66	22.55		
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0
15	PI2 BPSK	1	1	22.56	22.65	22.52		
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	22.58	22.63	22.53	24.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	22.57	22.68	22.62		

n7_Ant 1_Other PA

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				505000	507000	509000	19.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	18.04	18.06	18.02		
50	PI2 BPSK	1	135	17.90	17.93	17.89		
50	PI2 BPSK	1	268	17.83	17.94	17.86	19.5	0.0
50	PI2 BPSK	135	0	17.89	17.95	17.81		
50	PI2 BPSK	135	68	17.83	18.02	17.83		
50	PI2 BPSK	135	135	17.89	17.73	17.63		
50	PI2 BPSK	270	0	17.85	17.89	17.57	19.5	0.0
50	QPSK	1	1	17.80	17.80	17.80		
50	QPSK	1	135	17.86	17.95	17.92		
50	QPSK	1	268	17.88	17.97	17.82		
50	QPSK	135	0	17.95	18.04	17.93	19.5	0.0
50	QPSK	135	68	17.91	18.05	17.80		
50	QPSK	135	135	17.89	17.96	17.92		
50	QPSK	270	0	17.87	17.85	17.78		
50	16QAM	1	1	17.54	17.59	17.57	19.5	0.0
50	64QAM	1	1	17.68	18.00	17.52		
50	256QAM	1	1	17.94	18.02	17.95		
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550	19.5	0.0
40	PI2 BPSK	1	1	18.00	17.98	17.86		
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	17.92	17.95	17.96	19.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	17.92	18.04	17.97		
Channel				502000	507000	512000	19.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	17.97	17.95	17.97		
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	19.5	0.0
15	PI2 BPSK	1	1	17.95	17.97	17.92		
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	17.97	18.03	17.94	19.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	17.99	17.95	17.94		

n7_Ant 2_Other PA

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				505000	507000	509000	20.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	19.62	19.65	19.62		
50	PI2 BPSK	1	135	19.35	19.60	19.47		
50	PI2 BPSK	1	268	19.31	19.48	19.40	20.5	0.0
50	PI2 BPSK	135	0	19.51	19.52	19.51		
50	PI2 BPSK	135	68	19.54	19.60	19.48		
50	PI2 BPSK	135	135	19.27	19.33	19.32		
50	PI2 BPSK	270	0	19.57	19.58	19.41	20.5	0.0
50	QPSK	1	1	19.53	19.60	19.55		
50	QPSK	1	135	19.34	19.50	19.46		
50	QPSK	1	268	19.45	19.37	19.40		
50	QPSK	135	0	19.46	19.54	19.38	20.5	0.0
50	QPSK	135	68	19.48	19.64	19.38		
50	QPSK	135	135	19.50	19.55	19.54		
50	QPSK	270	0	19.60	19.64	19.58		
50	16QAM	1	1	19.26	19.24	19.26	20.5	0.0
50	64QAM	1	1	19.45	19.50	19.49		
50	256QAM	1	1	19.41	19.58	19.44		
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550	19.5	0.0
40	PI2 BPSK	1	1	19.54	19.52	19.56		
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	19.55	19.59	19.50	20.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	19.58	19.61	19.60		
Channel				502000	507000	512000	20.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	19.58	19.56	19.53		
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	20.5	0.0
15	PI2 BPSK	1	1	19.49	19.62	19.58		
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	19.53	19.59	19.58	20.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	19.50	19.59	19.57		

n7_Ant 3_Other PA

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				505000	507000	509000	19.7	0.0
Frequency (MHz)				2525	2535	2545		
50	Pl2 BPSK	1	1	18.77	18.79	18.77		
50	Pl2 BPSK	1	135	18.74	18.74	18.68		
50	Pl2 BPSK	1	268	18.71	18.69	18.64	19.7	0.0
50	Pl2 BPSK	135	0	18.57	18.62	18.50		
50	Pl2 BPSK	135	68	18.62	18.77	18.68		
50	Pl2 BPSK	135	135	18.41	18.59	18.37		
50	Pl2 BPSK	200	0	18.45	18.51	18.47	19.7	0.0
50	QPSK	1	1	18.68	18.74	18.58		
50	QPSK	1	135	18.63	18.60	18.67		
50	QPSK	1	268	18.61	18.66	18.56		
50	QPSK	135	0	18.45	18.47	18.55	19.7	0.0
50	QPSK	135	68	18.69	18.79	18.62		
50	QPSK	135	135	18.54	18.63	18.52		
50	QPSK	270	0	18.46	18.57	18.52		
50	16QAM	1	1	18.77	18.78	18.74	19.7	0.0
50	64QAM	1	1	18.64	18.77	18.72		
50	256QAM	1	1	18.59	18.75	18.73		
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	Pl2 BPSK	1	1	18.72	18.72	18.73	19.7	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	Pl2 BPSK	1	1	18.70	18.75	18.71		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	Pl2 BPSK	1	1	18.70	18.74	18.74	19.7	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	Pl2 BPSK	1	1	18.71	18.77	18.74		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	Pl2 BPSK	1	1	18.70	18.76	18.71	19.7	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	Pl2 BPSK	1	1	18.74	18.73	18.76		

n66_Ant 2_Other PA

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				346000	349000	352000	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	Pl2 BPSK	1	1	23.56	23.62	23.44		
40	Pl2 BPSK	1	108	23.53	23.80	23.45		
40	Pl2 BPSK	1	214	23.49	23.58	23.37	24.0	0.5
40	Pl2 BPSK	108	0	23.48	23.57	23.45		
40	Pl2 BPSK	108	54	23.55	23.61	23.48		
40	Pl2 BPSK	108	108	23.51	23.55	23.41		
40	Pl2 BPSK	216	0	23.47	23.55	23.42	24.5	0.0
40	QPSK	1	1	23.45	23.52	23.34		
40	QPSK	1	108	23.51	23.58	23.43		
40	QPSK	1	214	23.47	23.55	23.37		
40	QPSK	108	0	23.00	23.02	22.86	23.5	1.0
40	QPSK	108	54	23.54	23.61	23.48		
40	QPSK	108	108	23.18	23.18	23.06		
40	QPSK	216	0	23.16	23.20	23.03		
40	16QAM	1	1	22.68	22.74	22.59	23.5	1.0
40	64QAM	1	1	21.47	21.58	21.45		
40	256QAM	1	1	19.79	19.81	19.65		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	Pl2 BPSK	1	1	23.50	23.59	23.57	24.5	0.0
Channel				344000	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	Pl2 BPSK	1	1	23.52	23.61	23.43		
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
20	Pl2 BPSK	1	1	23.49	23.56	23.41	24.5	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	Pl2 BPSK	1	1	23.49	23.58	23.37		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	Pl2 BPSK	1	1	23.49	23.57	23.43	24.5	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1712.5	1745	1777.5		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)

n66_Ant 3_Other PA

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				346000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	Pl2 BPSK	1	1	22.42	22.57	22.54		
40	Pl2 BPSK	1	108	22.38	22.55	22.44		
40	Pl2 BPSK	1	214	22.33	22.51	22.48	23.5	0.5
40	Pl2 BPSK	108	0	22.35	22.53	22.45		
40	Pl2 BPSK	108	54	22.40	22.55	22.49		
40	Pl2 BPSK	108	108	22.52	22.51	22.49		
40	Pl2 BPSK	216	0	22.38	22.53	22.48	24.0	0.0
40	QPSK	1	1	22.28	22.48	22.38		
40	QPSK	1	108	22.57	22.51	22.41		
40	QPSK	1	214	22.31	22.50	22.44		
40	QPSK	108	0	21.84	22.00	21.97	23.0	1.0
40	QPSK	108	54	22.32	22.48	22.41		
40	QPSK	108	108	22.09	22.25	22.22		
40	QPSK	216	0	21.99	22.20	22.14		
40	16QAM	1	1	21.51	21.71	21.63	23.0	1.0
40	64QAM	1	1	20.27	20.42	20.35		
40	256QAM	1	1	18.85	19.05	18.97		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	Pl2 BPSK	1	1	22.41	22.55	22.51	24.0	0.0
Channel				344000	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	Pl2 BPSK	1	1	22.41	22.52	22.48		
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
20	Pl2 BPSK	1	1	22.38	22.50	22.51	24.0	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	Pl2 BPSK	1	1	22.38	22.53	22.53		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	Pl2 BPSK	1	1	22.35	22.51	22.48	24.0	0.0
Channel				342000	349000	355000		
Frequency (MHz)				1712.5	1745	1777.5		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)



n38_Ant 0_Other PA								
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				518004	518000	518998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	21.83	21.99	21.82		
40	PI2 BPSK	1	53	21.97	21.97	21.83	23.5	0.0
40	PI2 BPSK	1	104	21.74	21.88	21.63	23.5	0.0
40	PI2 BPSK	50	0	21.67	21.76	21.63	23.5	0.0
40	PI2 BPSK	50	28	21.70	21.77	21.67	23.5	0.0
40	PI2 BPSK	50	56	21.65	21.66	21.41		
40	PI2 BPSK	100	0	21.70	21.74	21.47	23.5	0.0
40	QPSK	1	1	21.83	21.95	21.68		
40	QPSK	1	53	21.89	21.85	21.69	23.5	0.0
40	QPSK	1	104	21.69	21.77	21.48		
40	QPSK	50	0	21.70	21.82	21.58		
40	QPSK	50	28	21.66	21.76	21.69	23.5	0.0
40	QPSK	50	56	21.85	21.85	21.84		
40	QPSK	100	0	21.84	21.91	21.70	23.5	0.0
40	16QAM	1	1	21.93	21.85	21.63	23.5	0.0
40	64QAM	1	1	20.49	20.59	20.24	22.0	1.5
40	256QAM	1	1	18.97	19.16	18.88	20.0	3.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	21.74	21.97	21.71	23.5	0.0
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	21.76	21.92	21.73	23.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	21.75	21.96	21.75	23.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	21.70	21.89	21.74	23.5	0.0
Channel				515004	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	21.77	21.88	21.75	23.5	0.0

n38_Ant 1_Other PA								
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				518004	518000	518998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	18.38	18.49	18.34		
40	PI2 BPSK	1	53	18.21	18.42	18.24	20.0	0.0
40	PI2 BPSK	1	104	18.49	18.45	18.40		
40	PI2 BPSK	50	0	18.38	18.27	18.18	20.0	0.0
40	PI2 BPSK	50	28	18.43	18.45	18.29	20.0	0.0
40	PI2 BPSK	50	56	18.31	18.34	18.21		
40	PI2 BPSK	100	0	18.39	18.41	18.35	20.0	0.0
40	QPSK	1	1	18.08	18.31	18.10		
40	QPSK	1	53	18.19	18.36	18.18	20.0	0.0
40	QPSK	1	104	18.27	18.30	18.05		
40	QPSK	50	0	18.32	18.46	18.14		
40	QPSK	50	28	18.31	18.45	18.05	20.0	0.0
40	QPSK	50	56	18.31	18.39	18.39		
40	QPSK	100	0	18.45	18.47	18.39	20.0	0.0
40	16QAM	1	1	18.34	18.42	18.34	20.0	0.0
40	64QAM	1	1	18.25	18.44	18.26	20.0	0.0
40	256QAM	1	1	18.38	18.46	18.45	20.0	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	18.28	18.38	18.29	20.0	0.0
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	18.31	18.43	18.27	20.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	18.25	18.36	18.22	20.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	18.31	18.41	18.25	20.0	0.0
Channel				515004	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	18.30	18.44	18.28	20.0	0.0

n38_Ant 2_Other PA								
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				518004	518000	518998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	19.79	19.87	19.80		
40	PI2 BPSK	1	53	19.54	19.77	19.65	21.0	0.0
40	PI2 BPSK	1	104	19.43	19.71	19.64		
40	PI2 BPSK	50	0	19.59	19.70	19.61	21.0	0.0
40	PI2 BPSK	50	28	19.56	19.75	19.60	21.0	0.0
40	PI2 BPSK	50	56	19.40	19.65	19.57		
40	PI2 BPSK	100	0	19.46	19.66	19.56	21.0	0.0
40	QPSK	1	1	19.56	19.61	19.55		
40	QPSK	1	53	19.40	19.56	19.40	21.0	0.0
40	QPSK	1	104	19.31	19.39	19.49		
40	QPSK	50	0	19.44	19.65	19.54		
40	QPSK	50	28	19.34	19.67	19.56	21.0	0.0
40	QPSK	50	56	19.56	19.61	19.50		
40	QPSK	100	0	19.52	19.71	19.53	21.0	0.0
40	16QAM	1	1	19.41	19.66	19.61	21.0	0.0
40	64QAM	1	1	19.73	19.74	19.63	21.0	0.0
40	256QAM	1	1	19.65	19.83	19.72	21.0	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI2 BPSK	1	1	19.77	19.79	19.69	21.0	0.0
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	PI2 BPSK	1	1	19.68	19.85	19.77	21.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI2 BPSK	1	1	19.71	19.78	19.76	21.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI2 BPSK	1	1	19.69	19.76	19.67	21.0	0.0
Channel				515004	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI2 BPSK	1	1	19.77	19.79	19.68	21.0	0.0

n38_Ant 3_Other PA

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				2590.02	2596	2599.98	18.2	0.0
Frequency (MHz)				17.12	17.15	17.08		
40	PI2 BPSK	1	1	17.10	17.11	17.04		
40	PI2 BPSK	1	104	17.04	17.03	16.95		
40	PI2 BPSK	50	0	16.91	17.05	16.87	18.2	0.0
40	PI2 BPSK	50	28	16.95	17.10	16.85	18.2	0.0
40	PI2 BPSK	50	56	16.94	17.00	16.89	18.2	0.0
40	PI2 BPSK	100	0	16.92	17.07	17.04	18.2	0.0
40	QPSK	1	1	17.05	17.06	16.97	18.2	0.0
40	QPSK	1	53	16.83	17.06	16.83		
40	QPSK	1	104	16.95	16.92	16.77		
40	QPSK	50	0	16.75	16.80	16.65		
40	QPSK	50	28	17.00	16.97	16.96	18.2	0.0
40	QPSK	50	56	16.79	16.97	16.98	18.2	0.0
40	QPSK	100	0	16.91	16.98	16.87	18.2	0.0
40	16QAM	1	1	17.08	17.11	17.02	18.2	0.0
40	64QAM	1	1	16.98	17.07	17.01	18.2	0.0
40	256QAM	1	1	16.89	17.09	17.08	18.2	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2586	2604.99		
30	PI2 BPSK	1	1	17.06	17.10	16.98		
Channel				515553	519500	521500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2586	2607.48		
25	PI2 BPSK	1	1	17.06	17.12	16.98		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				17.06	17.09	16.99		
20	PI2 BPSK	1	1	17.04	17.05	16.99		
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2586	2612.49		
15	PI2 BPSK	1	1	17.01	17.13	16.97		
Channel				515553	519500	522500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2586	2614.98		
10	PI2 BPSK	1	1	17.05	17.11	17.01	18.2	0.0

n41_Ant 0_Other PA

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				509000	518598	530000	24.0	0.0
Frequency (MHz)				22.63	22.66	22.63		
100	PI2 BPSK	1	1	22.67	22.94	22.80		
100	PI2 BPSK	1	137	22.67	22.94	22.80		
100	PI2 BPSK	1	271	22.60	22.71	22.62	24.0	0.0
100	PI2 BPSK	135	0	22.86	22.86	22.78	24.0	0.0
100	PI2 BPSK	135	69	22.88	22.92	22.87	24.0	0.0
100	PI2 BPSK	135	138	22.86	22.78	22.77	24.0	0.0
100	PI2 BPSK	270	0	22.57	22.71	22.42	24.0	0.0
100	QPSK	1	1	22.71	22.92	22.91	24.0	0.0
100	QPSK	1	137	22.82	22.85	22.84		
100	QPSK	1	271	22.66	22.60	22.52		
100	QPSK	135	0	22.43	22.45	22.47		
100	QPSK	135	69	22.82	22.83	22.81	23.5	0.5
100	QPSK	135	138	22.31	22.40	22.27	23.5	0.5
100	QPSK	270	0	22.36	22.38	22.42	23.5	0.5
100	16QAM	1	1	22.04	22.13	21.99	23.5	0.5
100	64QAM	1	1	20.55	20.65	20.49	22.0	2.0
100	256QAM	1	1	19.12	19.25	19.19	20.0	4.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI2 BPSK	1	1	22.63	22.68	22.63	24.0	0.0
Channel				507204	511553	525998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI2 BPSK	1	1	22.69	22.63	22.58	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2654		
70	PI2 BPSK	1	1	22.67	22.74	22.60	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI2 BPSK	1	1	22.67	22.66	22.60	24.0	0.0
Channel				504204	511553	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2684.99		
50	PI2 BPSK	1	1	22.70	22.70	22.61	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI2 BPSK	1	1	22.62	22.73	22.50	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	1	22.60	22.65	22.59	24.0	0.0
Channel				501204	511553	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI2 BPSK	1	1	22.69	22.65	22.61	24.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2692.48		
15	PI2 BPSK	1	1	22.71	22.72	22.53	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	PI2 BPSK	1	1	22.69	22.73	22.64	24.0	0.0

n41_Ant 1_Other PA

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							20.0	0.0
Frequency (MHz)								
100	PI2 BPSK	1	1	18.72	18.76	18.72		
100	PI2 BPSK	1	137	18.69	18.66	18.65		
100	PI2 BPSK	1	271	18.57	18.59	18.54	20.0	0.0
100	PI2 BPSK	135	0	18.29	18.53	18.51	20.0	0.0
100	PI2 BPSK	135	69	18.50	18.73	18.52	20.0	0.0
100	PI2 BPSK	135	138	18.46	18.53	18.45	20.0	0.0
100	PI2 BPSK	270	0	18.42	18.46	18.35	20.0	0.0
100	QPSK	1	1	18.63	18.63	18.52	20.0	0.0
100	QPSK	1	137	18.63	18.66	18.61		
100	QPSK	1	271	18.63	18.61	18.47		
100	QPSK	135	0	18.60	18.70	18.64		
100	QPSK	135	69	18.46	18.75	18.63	20.0	0.0
100	QPSK	135	138	18.68	18.70	18.72	20.0	0.0
100	QPSK	270	0	18.59	18.71	18.60	20.0	0.0
100	16QAM	1	1	18.73	18.69	18.59	20.0	0.0
100	64QAM	1	1	18.43	18.53	18.46	20.0	0.0
100	256QAM	1	1	18.58	18.65	18.65	20.0	0.0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
90	PI2 BPSK	1	1	18.67	18.66	18.63	20.0	0.0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
80	PI2 BPSK	1	1	18.67	18.73	18.68	20.0	0.0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
70	PI2 BPSK	1	1	18.68	18.75	18.66	20.0	0.0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
60	PI2 BPSK	1	1	18.67	18.73	18.66	20.0	0.0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
50	PI2 BPSK	1	1	18.64	18.74	18.68	20.0	0.0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
40	PI2 BPSK	1	1	18.64	18.72	18.67	20.0	0.0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
30	PI2 BPSK	1	1	18.70	18.69	18.64	20.0	0.0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	PI2 BPSK	1	1	18.68	18.75	18.65	20.0	0.0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	PI2 BPSK	1	1	18.69	18.68	18.72	20.0	0.0
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	PI2 BPSK	1	1	18.61	18.74	18.62	20.0	0.0

n41_Ant 2_Other PA									
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				500202	518598	528000	2546.01	2592.99	2640
Frequency (MHz)				500202	518598	528000			
100	PI2 BPSK	1	1	19.59	19.70	19.50	20.7	0.0	0.0
100	PI2 BPSK	1	137	19.51	19.69	19.49			
100	PI2 BPSK	1	271	19.42	19.54	19.37	20.7	0.0	0.0
100	PI2 BPSK	135	0	19.56	19.65	19.46			
100	PI2 BPSK	135	69	19.59	19.66	19.51	20.7	0.0	0.0
100	PI2 BPSK	135	138	19.52	19.65	19.46			
100	PI2 BPSK	270	0	19.60	19.63	19.34	20.7	0.0	0.0
100	QPSK	1	1	19.62	19.65	19.52			
100	QPSK	1	137	19.50	19.56	19.46	20.7	0.0	0.0
100	QPSK	1	271	19.37	19.44	19.25			
100	QPSK	135	0	19.29	19.19	19.14	20.7	0.0	0.0
100	QPSK	135	69	19.55	19.68	19.43			
100	QPSK	135	138	19.38	19.55	19.34	20.7	0.0	0.0
100	QPSK	270	0	19.55	19.57	19.39			
100	16QAM	1	1	19.61	19.57	19.59	20.7	0.0	0.0
100	64QAM	1	1	19.43	19.45	19.33			
100	256QAM	1	1	19.28	19.38	19.19	20.7	0.0	0.0
Channel				508200	518598	528996			
Frequency (MHz)				508200	518598	528996	(dBm)		(dB)
90	PI2 BPSK	1	1	19.57	19.61	19.42	20.7	0.0	0.0
Channel				507204	518598	529598			
Frequency (MHz)				507204	518598	529598	Tune-up limit		MPR
Channel				507204	518598	529598	(dBm)		(dB)
80	PI2 BPSK	1	1	19.49	19.63	19.38	20.7	0.0	0.0
Channel				506202	518598	531000			
Frequency (MHz)				506202	518598	531000	Tune-up limit		MPR
Channel				506202	518598	531000	(dBm)		(dB)
70	PI2 BPSK	1	1	19.51	19.68	19.40	20.7	0.0	0.0
Channel				500200	518598	531996			
Frequency (MHz)				500200	518598	531996	Tune-up limit		MPR
Channel				500200	518598	531996	(dBm)		(dB)
60	PI2 BPSK	1	1	19.52	19.62	19.39	20.7	0.0	0.0
Channel				502202	518598	532000			
Frequency (MHz)				502202	518598	532000	Tune-up limit		MPR
Channel				502202	518598	532000	(dBm)		(dB)
50	PI2 BPSK	1	1	19.55	19.65	19.37	20.7	0.0	0.0
Channel				503202	518598	534000			
Frequency (MHz)				503202	518598	534000	Tune-up limit		MPR
Channel				503202	518598	534000	(dBm)		(dB)
40	PI2 BPSK	1	1	19.46	19.63	19.41	20.7	0.0	0.0
Channel				502200	518598	534996			
Frequency (MHz)				502200	518598	534996	Tune-up limit		MPR
Channel				502200	518598	534996	(dBm)		(dB)
30	PI2 BPSK	1	1	19.53	19.65	19.41	20.7	0.0	0.0
Channel				503202	518598	535000			
Frequency (MHz)				503202	518598	535000	Tune-up limit		MPR
Channel				503202	518598	535000	(dBm)		(dB)
20	PI2 BPSK	1	1	19.54	19.61	19.40	20.7	0.0	0.0
Channel				500700	518598	536496			
Frequency (MHz)				500700	518598	536496	Tune-up limit		MPR
Channel				500700	518598	536496	(dBm)		(dB)
15	PI2 BPSK	1	1	19.46	19.68	19.39	20.7	0.0	0.0
Channel				500202	518598	537000			
Frequency (MHz)				500202	518598	537000	Tune-up limit		MPR
Channel				500202	518598	537000	(dBm)		(dB)
10	PI2 BPSK	1	1	19.57	19.65	19.39	20.7	0.0	0.0

n41_Ant 3_Other PA										
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				506022	518598	528000	2546.01	2592.99	2640	
Frequency (MHz)				506022	518598	528000				
100	PI2 BPSK	1	1	17.63	17.77	17.76	18.7	0.0	0.0	
100	PI2 BPSK	1	137	17.54	17.68	17.65				
100	PI2 BPSK	1	271	17.43	17.65	17.55	18.7	0.0	0.0	
100	PI2 BPSK	135	0	17.37	17.56	17.41				
100	PI2 BPSK	135	69	17.62	17.75	17.73	18.7	0.0	0.0	
100	PI2 BPSK	135	138	17.40	17.68	17.58				
100	PI2 BPSK	270	0	17.58	17.68	17.62	18.7	0.0	0.0	
100	QPSK	1	1	17.46	17.75	17.71				
100	QPSK	1	137	17.56	17.65	17.68	18.7	0.0	0.0	
100	QPSK	1	271	17.53	17.66	17.74				
100	QPSK	135	0	17.49	17.63	17.51	18.7	0.0	0.0	
100	QPSK	135	69	17.55	17.75	17.57				
100	QPSK	135	138	17.52	17.64	17.70	18.7	0.0	0.0	
100	QPSK	270	0	17.25	17.54	17.47				
100	16QAM	1	1	17.33	17.61	17.40	18.7	0.0	0.0	
100	64QAM	1	1	17.39	17.63	17.59				
100	256QAM	1	1	17.43	17.63	17.62	18.7			
Channel				508200	518598	528996	Tune-up limit		MPR	
Frequency (MHz)				508200	518598	528996	(dBm)		(dB)	
90	PI2 BPSK	1	1	17.58	17.75	17.72	18.7	0.0	0.0	
Channel				502202	518598	532996				
Frequency (MHz)				502202	518598	532996	Tune-up limit		MPR	
Channel				502202	518598	532996	(dBm)		(dB)	
80	PI2 BPSK	1	1	17.56	17.70	17.73	18.7	0.0	0.0	
Channel				506202	518598	531000				
Frequency (MHz)				506202	518598	531000	Tune-up limit		MPR	
Channel				506202	518598	531000	(dBm)		(dB)	
70	PI2 BPSK	1	1	17.57	17.70	17.69	18.7	0.0	0.0	
Channel				500200	518598	531996				
Frequency (MHz)				500200	518598	531996	Tune-up limit		MPR	
Channel				500200	518598	531996	(dBm)		(dB)	
60	PI2 BPSK	1	1	17.61	17.73	17.71	18.7	0.0	0.0	
Channel				502202	518598	532996				
Frequency (MHz)				502202	518598	532996	Tune-up limit		MPR	
Channel				502202	518598	532996	(dBm)		(dB)	
50	PI2 BPSK	1	1	17.60	17.76	17.71	18.7	0.0	0.0	
Channel				503202	518598	534000				
Frequency (MHz)				503202	518598	534000	Tune-up limit		MPR	
Channel				503202	518598	534000	(dBm)		(dB)	
40	PI2 BPSK	1	1	17.59	17.73	17.72	18.7	0.0	0.0	
Channel				502200	518598	534996				
Frequency (MHz)				502200	518598	534996	Tune-up limit		MPR	
Channel				502200	518598	534996	(dBm)		(dB)	
30	PI2 BPSK	1	1	17.59	17.76	17.75	18.7	0.0	0.0	
Channel				503202	518598	535000				
Frequency (MHz)				503202	518598	535000	Tune-up limit		MPR	
Channel				503202	518598	535000	(dBm)		(dB)	
20	PI2 BPSK	1	1	17.60	17.75	17.73	18.7	0.0	0.0	
Channel				500700	518598	536496				
Frequency (MHz)				500700	518598	536496	Tune-up limit		MPR	
Channel				500700	518598	536496	(dBm)		(dB)	
15	PI2 BPSK	1	1	17.57	17.71	17.73	18.7	0.0	0.0	
Channel				504202	518598	537000				
Frequency (MHz)				504202	518598	537000	Tune-up limit		MPR	
Channel				504202	518598	537000	(dBm)		(dB)	
10	PI2 BPSK	1	1	17.50	17.92	17.90	17.0	18.7	0.0	

Conducted Power for WLAN																																				
2.4GHz WLAN						5GHz WLAN						6GHz WLAN						7GHz WLAN						8GHz WLAN												
	Mode	Channel	Frequency (MHz)	Default Power			Day Cycle %	Default Power			Day Cycle %	Default Power			Day Cycle %	Default Power			Day Cycle %	Default Power			Day Cycle %	Default Power			Day Cycle %	Default Power			Day Cycle %					
				Average power (dBm)	Time-to-Live	Day Cycle %		Average power (dBm)	Time-to-Live	Day Cycle %		Average power (dBm)	Time-to-Live	Day Cycle %		Average power (dBm)	Time-to-Live	Day Cycle %		Average power (dBm)	Time-to-Live	Day Cycle %		Average power (dBm)	Time-to-Live	Day Cycle %		Average power (dBm)	Time-to-Live	Day Cycle %		Average power (dBm)	Time-to-Live	Day Cycle %	Average power (dBm)	Time-to-Live
2.4GHz WLAN	802.11a WLAN	1	2412	18.80	20.50			18.80	20.50			22.71	23.50			18.40	17.00			18.00	17.00			18.21	20.50			18.70	11.50			19.81	14.50			98.53
		6	2437	18.40	20.50	98.53		18.40	20.50			22.41	23.50	98.53		18.10	17.00	98.53		18.10	17.00	98.53		18.11	20.50	98.53		18.40	11.50			19.81	14.50			98.53
		11	2462	18.40	20.50			18.40	20.50			22.11	23.50			18.00	17.00			18.00	17.00			18.11	20.50			18.40	11.50			19.81	14.50			98.53
		1	2412	14.75	15.00			15.00	15.00			17.86	18.50			15.00				15.00				15.00				11.50			11.50	14.50			97.22	
		6	2437	18.30	17.50	97.22		18.30	17.50	97.22		18.31	20.50			17.00		97.22		17.00		97.22		20.50		97.22		11.50		97.22		11.50	14.50			97.22
	802.11a+V20-MCS0	1	2412	14.80	15.00			14.80	15.00			17.81	18.50			15.00				15.00				15.00				11.50			11.50	14.50			97.22	
		1	2412	12.75	13.50			13.10	13.50			15.91	16.50			13.00				13.00				15.50				11.50			11.50	14.50			97.22	
		6	2437	18.30	17.50	97.04		18.30	17.50	97.04		18.37	20.50	97.04		17.00		97.04		17.00		97.04		20.50		97.04		11.50		97.04		11.50	14.50			97.04
		1	2412	12.80	13.50			13.20	13.50			16.01	16.50			13.00				13.00				15.50				11.50			11.50	14.50			97.04	
		6	2437	18.40	17.50	98.23		18.30	17.50	98.23		18.47	20.50	98.23		17.00		98.23		17.00		98.23		20.50		98.23		11.50		98.23		11.50	14.50			98.23
	11	2462	12.50	14.50			12.90	14.50			15.98	17.50			14.00				14.00				17.00				11.50			11.50	14.50			98.23		

2.4GHz WLAN			5GHz WLAN			6GHz WLAN			7GHz WLAN			8GHz WLAN																								
Mode	Channel	Frequency (MHz)	Default Power			Day Cycle %	Average power (dBm)	Time-to-Live	Day Cycle %	Average power (dBm)	Time-to-Live	Day Cycle %	Average power (dBm)	Time-to-Live	Day Cycle %	Average power (dBm)	Time-to-Live	Day Cycle %	Average power (dBm)	Time-to-Live	Day Cycle %															
			Average power (dBm)	Time-to-Live	Day Cycle %																															
2.4GHz WLAN	802.11a WLAN	36	5180	18.80	20.50			18.80	20.50			22.71	23.50			18.40	17.00			18.00	17.00			18.21	20.50			18.70	11.50			98.53				
		40	5200	14.60	15.00			14.70	15.00			17.86	18.50			15.00				15.00				15.00				11.50			11.50	14.50			97.22	
		44	5220	18.30	14.50			18.30	14.50			18.31	17.50			14.50				14.50				17.50			97.22		9.50		9.50	97.22			97.22	
		48	5240	14.60	14.50			14.60	14.50			17.81	18.50			14.50				14.50				17.50				11.50			11.50	14.50			97.22	
		52	5260	18.30	14.50			18.30	14.50			18.31	17.50			14.50				14.50				17.50				11.50			11.50	14.50			97.22	
	802.11a+V20-MCS0	36	5180	18.80	20.50	98.53		18.80	20.50	98.53		18.81	20.50	98.53		18.40	17.00	98.53		18.40	17.00	98.53		18.41	20.50	98.53		18.70	11.50			19.81	14.50			98.53
		40	5200	14.80	15.00			14.80	15.00			17.81	18.50			15.00				15.00				17.50				11.50			11.50	14.50			97.22	
		44	5220	18.30	14.50			18.30	14.50			18.31	17.50			14.50				14.50				17.50				11.50			11.50	14.50			97.22	
		48	5240	14.80	14.50			14.80	14.50			17.81	18.50			14.50				14.50				17.50				11.50			11.50	14.50			97.22	
		52	5260	18.30	14.50			18.30	14.50			18.31	17.50			14.50				14.50				17.50				11.50			11.50	14.50			97.22	
6GHz WLAN	802.11a WLAN	58	5180	18.80	20.50	94.23		18.80	20.50	94.23		18.81	20.50	94.23		18.40	17.00	94.23		18.40	17.00	94.23		18.41	20.50	94.23		18.70	11.50			19.81	14.50			94.23
		40	5200	14.80	15.00			14.80	15.00			17.81	18.50			15.00				15.00				17.50				11.50			11.50	14.50			97.22	
		44	5220	18.30	14.50			18.30	14.50			18.31	17.50			14.50				14.50				17.50				11.50			11.50	14.50			97.22	
		48	5240	14.80	14.50			14.80	14.50			17.81	18.50			14.50				14.50				17.50				11.50			11.50	14.50			97.22	
		52	5260	18.30	14.50			18.30	14.50			18.31	17.50			14.50				14.50				17.50				11.50			11.50	14.50			97.22	
	802.11a+V20-MCS0	58	5180	18.80	20.50	94.23		18.80	20.50	94.23		18.81	20.50	94.23		18.40	17.00	94.23		18.40	17.00	94.23		18.41	20.50	94.23		18.70	11.50			19.81	14.50			94.23

[illegible]

Squad	Squad Name	Project A										Project B										Project C										Project D									
		Phase 1					Phase 2					Phase 3					Phase 4					Phase 5					Phase 6					Phase 7					Phase 8				
		Task ID	Task Name	Due Date	Progress (%)	Assignee	Task ID	Task Name	Due Date	Progress (%)	Assignee	Task ID	Task Name	Due Date	Progress (%)	Assignee	Task ID	Task Name	Due Date	Progress (%)	Assignee	Task ID	Task Name	Due Date	Progress (%)	Assignee	Task ID	Task Name	Due Date	Progress (%)	Assignee	Task ID	Task Name	Due Date	Progress (%)	Assignee					
Squad Alpha	Squad Alpha	SA-001	Task 1.1	2023-10-15	100%	John Doe	SA-002	Task 1.2	2023-10-20	100%	John Doe	SA-003	Task 1.3	2023-10-25	100%	John Doe	SA-004	Task 1.4	2023-10-30	100%	John Doe	SA-005	Task 1.5	2023-11-05	100%	John Doe	SA-006	Task 1.6	2023-11-10	100%	John Doe	SA-007	Task 1.7	2023-11-15	100%	John Doe					
		SA-008	Task 1.8	2023-11-20	100%	John Doe	SA-009	Task 1.9	2023-11-25	100%	John Doe	SA-010	Task 1.10	2023-12-01	100%	John Doe	SA-011	Task 1.11	2023-12-05	100%	John Doe	SA-012	Task 1.12	2023-12-10	100%	John Doe	SA-013	Task 1.13	2023-12-15	100%	John Doe	SA-014	Task 1.14	2023-12-20	100%	John Doe					
		SA-015	Task 1.15	2023-12-25	100%	John Doe	SA-016	Task 1.16	2024-01-01	100%	John Doe	SA-017	Task 1.17	2024-01-05	100%	John Doe	SA-018	Task 1.18	2024-01-10	100%	John Doe	SA-019	Task 1.19	2024-01-15	100%	John Doe	SA-020	Task 1.20	2024-01-20	100%	John Doe	SA-021	Task 1.21	2024-01-25	100%	John Doe					
		SA-022	Task 1.22	2024-01-30	100%	John Doe	SA-023	Task 1.23	2024-02-05	100%	John Doe	SA-024	Task 1.24	2024-02-10	100%	John Doe	SA-025	Task 1.25	2024-02-15	100%	John Doe	SA-026	Task 1.26	2024-02-20	100%	John Doe	SA-027	Task 1.27	2024-02-25	100%	John Doe	SA-028	Task 1.28	2024-03-01	100%	John Doe					
		SA-029	Task 1.29	2024-03-05	100%	John Doe	SA-030	Task 1.30	2024-03-10	100%	John Doe	SA-031	Task 1.31	2024-03-15	100%	John Doe	SA-032	Task 1.32	2024-03-20	100%	John Doe	SA-033	Task 1.33	2024-03-25	100%	John Doe	SA-034	Task 1.34	2024-04-01	100%	John Doe	SA-035	Task 1.35	2024-04-05	100%	John Doe					
	Squad Alpha	SA-036	Task 1.36	2024-04-10	100%	John Doe	SA-037	Task 1.37	2024-04-15	100%	John Doe	SA-038	Task 1.38	2024-04-20	100%	John Doe	SA-039	Task 1.39	2024-04-25	100%	John Doe	SA-040	Task 1.40	2024-05-01	100%	John Doe	SA-041	Task 1.41	2024-05-05	100%	John Doe	SA-042	Task 1.42	2024-05-10	100%	John Doe					
		SA-043	Task 1.43	2024-05-15	100%	John Doe	SA-044	Task 1.44	2024-05-20	100%	John Doe	SA-045	Task 1.45	2024-05-25	100%	John Doe	SA-046	Task 1.46	2024-06-01	100%	John Doe	SA-047	Task 1.47	2024-06-05	100%	John Doe	SA-048	Task 1.48	2024-06-10	100%	John Doe	SA-049	Task 1.49	2024-06-15	100%	John Doe					
Squad Beta	Squad Beta	SB-001	Task 2.1	2023-10-15	100%	Jane Smith	SB-002	Task 2.2	2023-10-20	100%	Jane Smith	SB-003	Task 2.3	2023-10-25	100%	Jane Smith	SB-004	Task 2.4	2023-10-30	100%	Jane Smith	SB-005	Task 2.5	2023-11-05	100%	Jane Smith	SB-006	Task 2.6	2023-11-10	100%	Jane Smith	SB-007	Task 2.7	2023-11-15	100%	Jane Smith					
		SB-008	Task 2.8	2023-11-20	100%	Jane Smith	SB-009	Task 2.9	2023-11-25	100%	Jane Smith	SB-010	Task 2.10	2023-12-01	100%	Jane Smith	SB-011	Task 2.11	2023-12-05	100%	Jane Smith	SB-012	Task 2.12	2023-12-10	100%	Jane Smith	SB-013	Task 2.13	2023-12-15	100%	Jane Smith	SB-014	Task 2.14	2023-12-20	100%	Jane Smith					
		SB-015	Task 2.15	2023-12-25	100%	Jane Smith	SB-016	Task 2.16	2024-01-01	100%	Jane Smith	SB-017	Task 2.17	2024-01-05	100%	Jane Smith	SB-018	Task 2.18	2024-01-10	100%	Jane Smith	SB-019	Task 2.19	2024-01-15	100%	Jane Smith	SB-020	Task 2.20	2024-01-20	100%	Jane Smith	SB-021	Task 2.21	2024-01-25	100%	Jane Smith					
		SB-022	Task 2.22	2024-01-30	100%	Jane Smith	SB-023	Task 2.23	2024-02-05	100%	Jane Smith	SB-024	Task 2.24	2024-02-10	100%	Jane Smith	SB-025	Task 2.25	2024-02-15	100%	Jane Smith	SB-026	Task 2.26	2024-02-20	100%	Jane Smith	SB-027	Task 2.27	2024-02-25	100%	Jane Smith	SB-028	Task 2.28	2024-03-01	100%	Jane Smith					
		SB-029	Task 2.29	2024-03-05	100%	Jane Smith	SB-030	Task 2.30	2024-03-10	100%	Jane Smith	SB-031	Task 2.31	2024-03-15	100%	Jane Smith	SB-032	Task 2.32	2024-03-20	100%	Jane Smith	SB-033	Task 2.33	2024-03-25	100%	Jane Smith	SB-034	Task 2.34	2024-04-01	100%	Jane Smith	SB-035	Task 2.35	2024-04-05	100%	Jane Smith					
	Squad Beta	SB-036	Task 2.36	2024-04-10	100%	Jane Smith	SB-037	Task 2.37	2024-04-15	100%	Jane Smith	SB-038	Task 2.38	2024-04-20	100%	Jane Smith	SB-039	Task 2.39	2024-04-25	100%	Jane Smith	SB-040	Task 2.40	2024-05-01	100%	Jane Smith	SB-041	Task 2.41	2024-05-05	100%	Jane Smith	SB-042	Task 2.42	2024-05-10	100%	Jane Smith					
		SB-043	Task 2.43	2024-05-15	100%	Jane Smith	SB-044	Task 2.44	2024-05-20	100%	Jane Smith	SB-045	Task 2.45	2024-05-25	100%	Jane Smith	SB-046	Task 2.46	2024-06-01	100%	Jane Smith	SB-047	Task 2.47	2024-06-05	100%	Jane Smith	SB-048	Task 2.48	2024-06-10	100%	Jane Smith	SB-049	Task 2.49	2024-06-15	100%	Jane Smith					
Squad Gamma	Squad Gamma	SG-001	Task 3.1	2023-10-15	100%	Mike Johnson	SG-002	Task 3.2	2023-10-20	100%	Mike Johnson	SG-003	Task 3.3	2023-10-25	100%	Mike Johnson	SG-004	Task 3.4	2023-10-30	100%	Mike Johnson	SG-005	Task 3.5	2023-11-05	100%	Mike Johnson	SG-006	Task 3.6	2023-11-10	100%	Mike Johnson	SG-007	Task 3.7	2023-11-15	100%	Mike Johnson					
		SG-008	Task 3.8	2023-11-20	100%	Mike Johnson	SG-009	Task 3.9	2023-11-25	100%	Mike Johnson	SG-010	Task 3.10	2023-12-01	100%	Mike Johnson	SG-011	Task 3.11	2023-12-05	100%	Mike Johnson	SG-012	Task 3.12	2023-12-10	100%	Mike Johnson	SG-013	Task 3.13	2023-12-15	100%	Mike Johnson	SG-014	Task 3.14	2023-12-20	100%	Mike Johnson					
		SG-015	Task 3.15	2023-12-25	100%	Mike Johnson	SG-016	Task 3.16	2024-01-01	100%	Mike Johnson	SG-017	Task 3.17	2024-01-05	100%	Mike Johnson	SG-018	Task 3.18	2024-01-10	100%	Mike Johnson	SG-019	Task 3.19	2024-01-15	100%	Mike Johnson	SG-020	Task 3.20	2024-01-20	100%	Mike Johnson	SG-021	Task 3.21	2024-01-25	100%	Mike Johnson					
		SG-022	Task 3.22	2024-01-30	100%	Mike Johnson	SG-023	Task 3.23	2024-02-05	100%	Mike Johnson	SG-024	Task 3.24	2024-02-10	100%	Mike Johnson	SG-025	Task 3.25	2024-02-15	100%	Mike Johnson	SG-026	Task 3.26	2024-02-20	100%	Mike Johnson	SG-027	Task 3.27	2024-02-25	100%	Mike Johnson	SG-028	Task 3.28	2024-03-01	100%	Mike Johnson					
		SG-029	Task 3.29	2024-03-05	100%	Mike Johnson	SG-030	Task 3.30	2024-03-10	100%	Mike Johnson	SG-031	Task 3.31	2024-03-15	100%	Mike Johnson	SG-032	Task 3.32	2024-03-20	100%	Mike Johnson	SG-033	Task 3.33	2024-03-25	100%	Mike Johnson	SG-034	Task 3.34	2024-04-01	100%	Mike Johnson	SG-035	Task 3.35	2024-04-05	100%	Mike Johnson					
	Squad Gamma	SG-036	Task 3.36	2024-04-10	100%	Mike Johnson	SG-037	Task 3.37	2024-04-15	100%	Mike Johnson	SG-038	Task 3.38	2024-04-20	100%	Mike Johnson	SG-039	Task 3.39	2024-04-25	100%	Mike Johnson	SG-040	Task 3.40	2024-05-01	100%	Mike Johnson	SG-041	Task 3.41	2024-05-05	100%	Mike Johnson	SG-042	Task 3.42	2024-05-10	100%	Mike Johnson					
		SG-043	Task 3.43	2024-05-15	100%	Mike Johnson	SG-044	Task 3.44	2024-05-20	100%	Mike Johnson	SG-045	Task 3.45	2024-05-25	100%	Mike Johnson	SG-046	Task 3.46	2024-06-01	100%	Mike Johnson	SG-047	Task 3.47	2024-06-05	100%	Mike Johnson	SG-048	Task 3.48	2024-06-10	100%	Mike Johnson	SG-049	Task 3.49	2024-06-15	100%	Mike Johnson					
Squad Delta	Squad Delta	SD-001	Task 4.1	2023-10-15	100%	Alice Brown	SD-002	Task 4.2	2023-10-20	100%	Alice Brown	SD-003	Task 4.3	2023-10-25	100%	Alice Brown	SD-004	Task 4.4	2023-10-30	100%	Alice Brown	SD-005	Task 4.5	2023-11-05	100%	Alice Brown	SD-006	Task 4.6	2023-11-10	100%	Alice Brown	SD-007	Task 4.7	2023-11-15	100%	Alice Brown					
		SD-008	Task 4.8	2023-11-20	100%	Alice Brown	SD-009	Task 4.9	2023-11-25	100%	Alice Brown	SD-010	Task 4.10	2023-12-01	100%	Alice Brown	SD-011	Task 4.11	2023-12-05	100%	Alice Brown	SD-012	Task 4.12	2023-12-10	100%	Alice Brown	SD-013	Task 4.13	2023-12-15	100%	Alice Brown	SD-014	Task 4.14	2023-12-20	100%	Alice Brown					
		SD-015	Task 4.15	2023-12-25	100%	Alice Brown	SD-016	Task 4.16	2024-01-01	100%	Alice Brown	SD-017	Task 4.17	2024-01-05	100%	Alice Brown	SD-018	Task 4.18	2024-01-10	100%	Alice Brown	SD-019	Task 4.19	2024-01-15	100%	Alice Brown	SD-020	Task 4.20	2024-01-20	100%	Alice Brown	SD-021	Task 4.21	2024-01-25	100%	Alice Brown					
		SD-022	Task 4.22	2024-01-30	100%	Alice Brown	SD-023	Task 4.23	2024-02-05	100%	Alice Brown	SD-024	Task 4.24	2024-02-10	100%	Alice Brown	SD-025	Task 4.25	2024-02-15	100%	Alice Brown	SD-026	Task 4.26	2024-02-20	100%	Alice Brown	SD-027	Task 4.27	2024-02-25	100%	Alice Brown	SD-028	Task 4.28	2024-03-01	100%	Alice Brown					
		SD-029	Task 4.29	2024-03-05	100%	Alice Brown	SD-030	Task 4.30	2024-03-10	100%	Alice Brown	SD-031	Task 4.31	2024-03-15	100%	Alice Brown	SD-032	Task 4.32	2024-03-20	100%	Alice Brown	SD-033	Task 4.33	2024-03-25	100%	Alice Brown	SD-034	Task 4.34	2024-04-01	100%	Alice Brown	SD-035	Task 4.35	2024-04-05	100%	Alice Brown					
	Squad Delta	SD-036	Task 4.36	2024-04-10	100%	Alice Brown	SD-037	Task 4.37	2024-04-15	100%	Alice Brown	SD-038	Task 4.38	2024-04-20	100%	Alice Brown	SD-039	Task 4.39	2024-04-25	100%	Alice Brown	SD-040	Task 4.40	2024-05-01	100%	Alice Brown	SD-041	Task 4.41	2024-05-05	100%	Alice Brown	SD-042	Task 4.42	2024-05-10	100%	Alice Brown					
		SD-043	Task 4.43	2024-05-15	100%	Alice Brown	SD-044	Task 4.44	2024-05-20	100%	Alice Brown	SD-045	Task 4.45	2024-05-25	100%	Alice Brown	SD-046	Task 4.46	2024-06-01	100%	Alice Brown	SD-047	Task 4.47	2024-06-05	100%	Alice Brown	SD-048	Task 4.48	2024-06-10	100%	Alice Brown	SD-049	Task 4.49	2024-06-15	100%	Alice Brown					

[illegible]

Date	S-Side (W/L)			Residential			Residential			Residential			Residential			Residential		
	Ave 17			Ave 18			Ave 17-18			Ave 17			Ave 18			Ave 17-18		
	Channel	Frequency (MHz)	Antenna power (dBm)	Time-to-Lock (sec)	Day Cycle (%)		Antenna power (dBm)	Time-to-Lock (sec)	Day Cycle (%)	Antenna power (dBm)	Time-to-Lock (sec)	Day Cycle (%)	Antenna power (dBm)	Time-to-Lock (sec)	Day Cycle (%)	Antenna power (dBm)	Time-to-Lock (sec)	Day Cycle (%)
802.11a/BG	138	5200	13.40	14.00			12.80	14.00		16.12	17.00		12.80	14.00		16.12	17.00	
	139	5200	13.40	14.00			13.10	14.00		16.40	17.00		13.10	14.00		16.40	17.00	
	140	5200	13.70	14.00	97.22		13.00	14.00		16.50	17.00		13.00	14.00		16.60	17.00	
	141	5200	13.70	14.00			13.40	14.00		16.60	17.00		13.40	14.00		16.70	17.00	
	142	5200	13.70	14.00			13.60	14.00		16.70	17.00		13.60	14.00		16.80	17.00	
	144	5200	13.10	13.50			13.00	13.50		16.06	13.00		13.00	13.50		16.06	13.00	
	150	5200	13.20	14.00			12.70	14.00		15.97	17.00		12.70	14.00		15.97	17.00	
	151	5200	13.20	14.00			13.00	14.00		16.17	17.00		13.00	14.00		16.11	17.00	
	156	5200	13.80	14.00			13.00	14.00		16.29	17.00		13.00	14.00		16.21	17.00	
	162	5200	13.60	14.00	96.90		13.70	14.00	96.30	16.86	17.00	96.30	13.70	14.00	96.30	16.86	17.00	96.30
802.11a/BG MCS20	144	5200	13.60	14.00			13.00	14.00		15.96	17.00		13.00	14.00		15.96	17.00	
	146	5200	13.60	14.00			13.00	14.00		16.01	17.00		13.00	14.00		16.01	17.00	
	150	5200	13.70	14.00			13.10	14.00		16.42	17.00		13.10	14.00		16.42	17.00	
	162	5200	13.60	14.00			13.20	14.00		16.52	17.00		13.20	14.00		16.52	17.00	
	168	5200	13.80	14.00			13.00	14.00		16.71	17.00	94.20	13.00	14.00	94.20	16.71	17.00	94.20
	174	5200	13.80	14.00			13.00	14.00		16.81	17.00		13.00	14.00		16.81	17.00	
	180	5200	13.30	14.00			12.80	14.00		16.87	17.00		12.80	14.00		16.87	17.00	
	186	5200	13.30	14.00			13.00	14.00		16.91	17.00		13.00	14.00		16.91	17.00	
	192	5200	13.60	14.00			13.70	14.00		16.98	17.00		13.70	14.00		16.98	17.00	
	198	5200	13.70	14.00	97.04		13.80	14.00	97.04	16.76	17.00	97.04	13.80	14.00	97.04	16.76	17.00	97.04
802.11a/BG MCS20	144	5200	13.60	14.00	94.20		13.00	14.00		16.06	17.00		13.00	14.00		16.06	17.00	
	146	5200	13.60	14.00			13.00	14.00		16.11	17.00		13.00	14.00		16.11	17.00	
	150	5200	13.70	14.00			13.10	14.00		16.42	17.00		13.10	14.00		16.42	17.00	
	162	5200	13.60	14.00			13.20	14.00		16.52	17.00		13.20	14.00		16.52	17.00	
	168	5200	13.80	14.00			13.00	14.00		16.71	17.00	94.20	13.00	14.00	94.20	16.71	17.00	94.20
	174	5200	13.80	14.00			13.00	14.00		16.81	17.00		13.00	14.00		16.81	17.00	
	180	5200	13.30	14.00			12.80	14.00		16.87	17.00		12.80	14.00		16.87	17.00	
	186	5200	13.30	14.00			13.00	14.00		16.91	17.00		13.00	14.00		16.91	17.00	
	192	5200	13.60	14.00			13.70	14.00		16.98	17.00		13.70	14.00		16.98	17.00	
	198	5200	13.70	14.00	97.04		13.80	14.00	97.04	16.76	17.00	97.04	13.80	14.00	97.04	16.76	17.00	97.04
802.11a/BG MCS20	144	5200	13.60	14.00	94.20		13.00	14.00		16.06	17.00		13.00	14.00		16.06	17.00	
	146	5200	13.60	14.00			13.00	14.00		16.11	17.00		13.00	14.00		16.11	17.00	
	150	5200	13.70	14.00			13.10	14.00		16.42	17.00		13.10	14.00		16.42	17.00	
	162	5200	13.60	14.00			13.20	14.00		16.52	17.00		13.20	14.00		16.52	17.00	
	168	5200	13.80	14.00			13.00	14.00		16.71	17.00	94.20	13.00	14.00	94.20	16.71	17.00	94.20
	174	5200	13.80	14.00			13.00	14.00		16.81	17.00		13.00	14.00		16.81	17.00	
	180	5200	13.30	14.00			12.80	14.00		16.87	17.00		12.80	14.00		16.87	17.00	
	186	5200	13.30	14.00			13.00	14.00		16.91	17.00		13.00	14.00		16.91	17.00	
	192	5200	13.60	14.00			13.70	14.00		16.98	17.00		13.70	14.00		16.98	17.00	
	198	5200	13.70	14.00	97.04		13.80	14.00	97.04	16.76	17.00	97.04	13.80	14.00	97.04	16.76	17.00	97.04
802.11a/BG MCS20	144	5200	13.60	14.00	94.20		13.00	14.00		16.06	17.00		13.00	14.00		16.06	17.00	
	146	5200	13.60	14.00			13.00	14.00		16.11	17.00		13.00	14.00		16.11	17.00	
	150	5200	13.70	14.00			13.10	14.00		16.42	17.00		13.10	14.00		16.42	17.00	
	162	5200	13.60	14.00			13.20	14.00		16.52	17.00		13.20	14.00		16.52	17.00	
	168	5200	13.80	14.00			13.00	14.00		16.71	17.00	94.20	13.00	14.00	94.20	16.71	17.00	94.20
	174	5200	13.80	14.00			13.00	14.00		16.81	17.00		13.00	14.00		16.81	17.00	
	180	5200	13.30	14.00			12.80	14.00		16.87	17.00		12.80	14.00		16.87	17.00	
	186	5200	13.30	14.00			13.00	14.00		16.91	17.00		13.00	14.00		16.91	17.00	
	192	5200	13.60	14.00			13.70	14.00		16.98	17.00		13.70	14.00		16.98	17.00	
	198	5200	13.70	14.00	97.04		13.80	14.00	97.04	16.76	17.00	97.04	13.80	14.00	97.04	16.76	17.00	97.04
802.11a/BG MCS20	144	5200	13.60	14.00	94.20		13.00	14.00		16.06	17.00		13.00	14.00		16.06	17.00	
	146	5200	13.60	14.00			13.00	14.00		16.11	17.00		13.00	14.00		16.11	17.00	
	150	5200	13.70	14.00			13.10	14.00		16.42	17.00		13.10	14.00		16.42	17.00	
	162	5200	13.60	14.00			13.20	14.00		16.52	17.00		13.20	14.00		16.52	17.00	
	168	5200	13.80	14.00			13.00	14.00		16.71	17.00	94.20	13.00	14.00	94.20	16.71	17.00	94.20
	174	5200	13.80	14.00			13.00	14.00		16.81	17.00		13.00	14.00		16.81	17.00	
	180	5200	13.30	14.00			12.80	14.00		16.87	17.00		12.80	14.00		16.87	17.00	
	186	5200	13.30	14.00			13.00	14.00		16.91	17.00		13.00	14.00		16.91	17.00	
	192	5200	13.60	14.00			13.70	14.00		16.98	17.00		13.70	14.00		16.98	17.00	
	198	5200	13.70	14.00	97.04		13.80	14.00	97.04	16.76	17.00	97.04	13.80	14.00	97.04	16.76	17.00	97.04

Global Values				Hinged up			Hinged up			Hinged up			Hinged up			Body/Endmembers			Body/Endmembers			Body/Endmembers			Body/Endmembers			Body/Endmembers				
				Aug 17		Aug 18		Aug 19		Aug 20		Aug 21		Aug 22		Aug 23		Aug 24		Aug 25		Aug 26		Aug 27		Aug 28		Aug 29				
Mode	Channel	Frequency (MHz)	Primary power (dBm)	Transmit Power (dBm)	Duty Cycle %	Average power (dBm)	Transmit Power (dBm)	Duty Cycle %	Average power (dBm)	Transmit Power (dBm)	Duty Cycle %	Average power (dBm)	Transmit Power (dBm)	Duty Cycle %	Average power (dBm)	Transmit Power (dBm)	Duty Cycle %	Average power (dBm)	Transmit Power (dBm)	Duty Cycle %	Average power (dBm)	Transmit Power (dBm)	Duty Cycle %	Average power (dBm)	Transmit Power (dBm)	Duty Cycle %	Average power (dBm)	Transmit Power (dBm)	Duty Cycle %			
S.0010 WLAN	802.11a/B/Gn	440	5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00				
		1027	5765	13.00	97.22		13.00	97.22		13.00	97.22		13.00	97.22		13.00	97.22		13.00	97.22		13.00	97.22		13.00	97.22		13.00	97.22		13.00	
		1080	5800	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
	802.11a/b/g/n MCS20	440	5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
		1027	5765	13.00	96.90		13.00	96.90		13.00	96.90		13.00	96.90		13.00	96.90		13.00	96.90		13.00	96.90		13.00	96.90		13.00	96.90		13.00	
		1080	5800	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
	802.11a/b/g/n MCS20	101	5755	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00
		100	5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
		440	5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
	S.0010 WLAN	802.11a/b/g/n MCS20	107	5800	13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00
100			5805	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
S.0010 WLAN	802.11a/b/g/n MCS20	107	5800	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
		100	5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
		440	5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
	802.11a/b/g/n MCS20	101	5755	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00
		100	5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
		440	5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
	802.11a/b/g/n MCS20	107	5800	13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	97.04		13.00	
		100	5805	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
		440	5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00	
	802.11a/b/g/n MCS20	101	5755	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00	94.20	Not Required	13.00
100		5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00		
440		5765	13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00			13.00		



Full Power Mode for Bluetooth

BT BR/EDR											
Mode	Channel	Frequency (MHz)	Average power (dBm)								Time-up Limit
			Packet Type								
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5
Bluetooth	CH 0	2402	13.23	13.09	13.26	10.32	10.23	10.38	10.36	10.25	10.40
	CH 39	2441	14.83	14.93	15.10	12.12	12.04	12.21	11.90	11.92	11.95
	CH 78	2480	13.50	13.39	13.53	10.55	10.46	10.62	10.50	10.46	10.54

BLE 1M/2M			
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.90
	CH 19	2440	8.60
	CH 39	2480	8.20
	Time-up limit		9.8



Simultaneous Reduced Power for Bluetooth for Head

BT BR/EDR											
Mode	Channel	Frequency (MHz)	Average power (dBm)								
			Packet Type								
			DR1	DR3	DR5	2DR1	2DR3	2DR5	3DR1	3DR3	3DR5
Bluetooth	CH 0	2402	8.70	8.80	8.90	7.30	7.40	7.50	7.30	7.40	7.50
	CH 39	2441	10.70	10.80	10.90	8.30	8.60	8.70	8.30	8.60	8.70
	CH 75	2480	9.10	9.20	9.30	7.70	7.80	7.90	7.70	7.80	7.90