



REPORT No.: SZ24050224S01

Annex B Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacturer's document.

Band 30

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					27710		21
Frequency (MHz)					2310		
10	QPSK	1	0		19.67		21
10	QPSK	1	25		19.81		
10	QPSK	1	49		19.73		
10	QPSK	25	0		18.76		20
10	QPSK	25	12		18.84		
10	QPSK	25	25		18.83		
10	QPSK	50	0		18.75		20
10	16QAM	1	0		19.11		
10	16QAM	1	25		19.08		
10	16QAM	1	49		19.02		19
10	16QAM	25	0		17.63		
10	16QAM	25	12		17.74		
10	16QAM	25	25		17.83		19
10	16QAM	50	0		17.69		
10	64QAM	1	0		18.88		
10	64QAM	1	25		18.80		19
10	64QAM	1	49		18.83		
10	64QAM	25	0		17.68		18
10	64QAM	25	12		17.84		
10	64QAM	25	25		17.82		
10	64QAM	50	0		17.78		17
10	256QAM	1	0		16.04		
10	256QAM	1	25		16.78		
10	256QAM	1	49		16.49		17
10	256QAM	25	0		16.74		
10	256QAM	25	12		16.61		
10	256QAM	25	25		15.72		17
10	256QAM	50	0		16.45		
Channel				27685	27710	27735	20.5
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.63	19.74	19.66	20.5
5	QPSK	1	12	19.77	19.87	19.71	
5	QPSK	1	24	19.79	19.73	19.72	
5	QPSK	12	0	18.71	18.68	18.85	19.5
5	QPSK	12	7	18.82	18.78	18.85	
5	QPSK	12	13	18.82	18.66	18.71	
5	QPSK	25	0	18.76	18.66	18.83	19.5
5	16QAM	1	0	19.11	19.10	19.12	
5	16QAM	1	12	19.07	19.05	18.98	
5	16QAM	1	24	19.09	18.82	19.11	18.5
5	16QAM	12	0	17.74	17.78	17.81	
5	16QAM	12	7	17.88	17.83	17.92	
5	16QAM	12	13	17.93	17.81	17.71	18.5
5	16QAM	25	0	17.78	17.74	17.74	
5	64QAM	1	0	18.62	18.73	18.80	
5	64QAM	1	12	18.85	18.98	18.92	17.5
5	64QAM	1	24	18.91	18.78	18.80	
5	64QAM	12	0	17.76	17.62	17.71	
5	64QAM	12	7	17.84	17.78	17.88	17.5
5	64QAM	12	13	17.65	17.85	17.78	
5	64QAM	25	0	17.74	17.69	17.76	
5	256QAM	1	0	16.32	16.32	16.33	17.5
5	256QAM	1	12	15.36	16.35	15.63	
5	256QAM	1	24	16.56	15.07	15.86	
5	256QAM	12	0	16.05	15.54	16.46	17.5
5	256QAM	12	7	15.21	16.38	15.61	
5	256QAM	12	13	15.01	15.12	16.50	
5	256QAM	25	0	15.69	16.80	15.41	

Band 42(3450~3550)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	19.18	18.83	18.71	20
20	QPSK	1	49	18.92	19.10	18.90	
20	QPSK	1	99	18.94	18.51	19.12	
20	QPSK	50	0	18.15	17.98	17.86	19
20	QPSK	50	24	18.10	17.08	17.91	
20	QPSK	50	50	18.03	17.07	18.03	
20	QPSK	100	0	18.00	18.01	17.88	19
20	16QAM	1	0	18.41	17.67	18.17	
20	16QAM	1	49	18.22	18.05	18.14	
20	16QAM	1	99	18.17	17.88	18.36	18
20	16QAM	50	0	17.26	16.99	16.87	
20	16QAM	50	24	17.05	17.00	16.97	
20	16QAM	50	50	17.06	16.96	16.96	18
20	16QAM	100	0	16.87	17.04	16.88	
20	64QAM	1	0	17.34	17.20	17.24	
20	64QAM	1	49	17.36	17.08	16.97	17
20	64QAM	1	99	17.35	16.17	17.26	
20	64QAM	50	0	16.14	15.11	15.88	
20	64QAM	50	24	16.14	15.09	16.00	15
20	64QAM	50	50	16.07	15.10	16.02	
20	64QAM	100	0	16.06	16.03	15.91	
20	256QAM	1	0	13.21	13.18	13.79	15
20	256QAM	1	49	14.36	13.19	14.15	
20	256QAM	1	99	14.21	13.10	14.33	
20	256QAM	50	0	14.15	13.08	13.95	15
20	256QAM	50	24	14.07	13.14	13.94	
20	256QAM	50	50	14.17	13.21	14.02	
20	256QAM	100	0	14.11	13.86	13.95	
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	18.96	18.76	19.30	20
15	QPSK	1	37	18.97	19.09	18.75	
15	QPSK	1	74	18.80	18.81	18.53	
15	QPSK	36	0	18.17	17.91	17.76	19
15	QPSK	36	20	18.10	17.97	17.89	
15	QPSK	36	39	18.04	17.79	17.89	
15	QPSK	75	0	18.13	17.97	17.90	19
15	16QAM	1	0	18.20	18.31	18.05	
15	16QAM	1	37	18.25	17.89	18.11	
15	16QAM	1	74	18.21	18.04	18.14	18
15	16QAM	36	0	17.07	16.98	16.91	
15	16QAM	36	20	17.09	16.95	16.93	
15	16QAM	36	39	17.12	16.99	16.77	18
15	16QAM	75	0	16.99	16.99	16.80	
15	64QAM	1	0	17.30	17.09	17.26	
15	64QAM	1	37	17.24	17.10	17.13	17
15	64QAM	1	74	16.85	17.12	17.20	
15	64QAM	36	0	16.17	15.99	15.88	
15	64QAM	36	20	16.17	15.98	15.86	15
15	64QAM	36	39	16.05	15.95	16.02	
15	64QAM	75	0	16.19	15.99	15.77	
15	256QAM	1	0	14.03	14.06	13.90	15
15	256QAM	1	37	14.21	13.79	14.06	
15	256QAM	1	74	14.37	14.16	14.15	
15	256QAM	36	0	14.21	13.94	13.89	15
15	256QAM	36	20	14.15	13.93	13.89	
15	256QAM	36	39	14.15	13.99	14.07	
15	256QAM	75	0	14.18	14.01	13.91	
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	19.31	19.08	19.01	20
10	QPSK	1	25	19.41	19.06	18.75	
10	QPSK	1	49	19.39	19.06	19.08	
10	QPSK	25	0	18.25	18.09	17.96	19
10	QPSK	25	12	18.28	18.06	17.95	
10	QPSK	25	25	18.23	18.03	18.21	
10	QPSK	50	0	18.25	18.08	18.08	19
10	16QAM	1	0	18.37	18.21	18.14	
10	16QAM	1	25	18.44	18.21	18.26	
10	16QAM	1	49	18.40	18.29	18.33	18
10	16QAM	25	0	17.31	17.08	17.00	
10	16QAM	25	12	17.28	17.09	17.04	
10	16QAM	25	25	17.08	17.03	17.06	18
10	16QAM	50	0	17.25	17.06	17.05	
10	64QAM	1	0	17.58	17.35	17.07	
10	64QAM	1	25	17.51	17.37	17.45	17
10	64QAM	1	49	17.44	17.38	17.11	
10	64QAM	25	0	16.30	16.13	16.04	
10	64QAM	25	12	16.25	16.18	16.15	15
10	64QAM	25	25	16.20	16.12	16.13	
10	64QAM	50	0	16.26	16.09	16.11	
10	256QAM	1	0	14.36	14.25	14.10	15
10	256QAM	1	25	14.27	14.40	14.26	
10	256QAM	1	49	14.46	14.01	14.17	
10	256QAM	25	0	14.31	14.08	13.97	15
10	256QAM	25	12	14.31	14.11	14.12	
10	256QAM	25	25	14.18	14.09	14.17	
10	256QAM	50	0	14.22	14.11	14.14	
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	19.21	18.94	19.16	20
5	QPSK	1	12	19.25	19.12	18.94	
5	QPSK	1	24	19.26	18.86	19.15	
5	QPSK	12	0	18.33	18.10	17.94	19
5	QPSK	12	7	18.26	17.94	18.12	
5	QPSK	12	13	18.16	18.02	17.95	
5	QPSK	25	0	18.16	18.12	17.99	19
5	16QAM	1	0	18.36	18.30	18.14	
5	16QAM	1	12	18.46	18.15	18.14	
5	16QAM	1	24	18.62	18.28	18.06	19
5	16QAM	12	0	17.28	17.06	17.06	



5	16QAM	12	7	17.35	17.07	17.22	18
5	16QAM	12	13	17.12	17.04	17.11	
5	16QAM	25	0	17.16	17.10	16.89	18
5	64QAM	1	0	17.60	17.29	17.32	
5	64QAM	1	12	17.58	17.13	17.40	
5	64QAM	1	24	17.39	17.45	17.34	
5	64QAM	12	0	16.32	16.02	15.93	17
5	64QAM	12	7	16.31	16.11	16.21	
5	64QAM	12	13	16.19	16.13	16.07	
5	64QAM	25	0	16.22	16.09	16.01	
5	256QAM	1	0	14.34	14.29	14.23	15
5	256QAM	1	12	14.52	14.25	14.01	
5	256QAM	1	24	14.30	14.22	14.36	
5	256QAM	12	0	14.31	14.08	14.08	
5	256QAM	12	7	14.33	14.22	14.07	15
5	256QAM	12	13	14.21	14.12	14.11	
5	256QAM	25	0	14.19	14.07	14.03	

Band 42(3550~3600)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3550	3575	3590	
20	QPSK	1	0	18.91	18.77	18.81	20
20	QPSK	1	49	18.76	18.68	18.65	
20	QPSK	1	99	19.10	18.83	18.80	
20	QPSK	50	0	17.97	17.84	17.74	
20	QPSK	50	24	17.96	18.00	17.89	19
20	QPSK	50	50	18.10	18.05	18.00	
20	QPSK	100	0	18.11	17.97	17.71	
20	16QAM	1	0	18.04	18.04	18.07	
20	16QAM	1	49	18.20	17.98	18.16	19
20	16QAM	1	99	18.07	17.82	18.00	
20	16QAM	50	0	16.95	16.86	16.83	
20	16QAM	50	24	17.05	16.82	16.84	
20	16QAM	50	50	16.95	16.84	16.96	18
20	16QAM	100	0	17.13	16.93	16.69	
20	64QAM	1	0	17.20	17.14	16.98	
20	64QAM	1	49	17.21	17.02	17.16	
20	64QAM	1	99	17.32	17.20	16.96	18
20	64QAM	50	0	15.93	15.83	15.92	
20	64QAM	50	24	16.10	16.03	15.82	
20	64QAM	50	50	16.10	16.05	15.98	
20	64QAM	100	0	16.03	15.97	15.87	17
20	256QAM	1	0	14.00	14.01	14.12	
20	256QAM	1	49	14.19	13.99	14.08	
20	256QAM	1	99	14.44	14.06	14.19	
20	256QAM	50	0	13.97	13.87	13.93	15
20	256QAM	50	24	14.14	14.05	13.89	
20	256QAM	50	50	14.13	14.04	14.01	
20	256QAM	100	0	14.11	14.01	13.95	
Channel				43165	43340	43515	
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	18.90	18.78	18.82	20
15	QPSK	1	37	19.16	18.74	19.32	
15	QPSK	1	74	19.04	19.17	18.78	
15	QPSK	36	0	17.93	17.81	17.81	
15	QPSK	36	20	17.98	17.97	17.93	19
15	QPSK	36	39	18.11	17.97	17.90	
15	QPSK	75	0	17.96	18.01	17.95	
15	16QAM	1	0	18.07	18.01	17.98	
15	16QAM	1	37	18.14	18.03	18.10	19
15	16QAM	1	74	18.34	18.11	18.10	
15	16QAM	36	0	16.98	16.85	16.81	
15	16QAM	36	20	16.96	16.98	16.94	
15	16QAM	36	39	17.15	16.94	16.88	18
15	16QAM	75	0	16.91	16.92	16.98	
15	64QAM	1	0	17.15	16.82	17.16	
15	64QAM	1	37	17.33	17.21	17.03	
15	64QAM	1	74	17.00	17.33	17.30	18
15	64QAM	36	0	15.97	15.89	15.89	
15	64QAM	36	20	15.99	15.97	16.01	
15	64QAM	36	39	16.13	15.98	15.96	
15	64QAM	75	0	16.05	15.98	15.96	17
15	256QAM	1	0	13.91	14.07	13.88	
15	256QAM	1	37	14.25	14.07	14.03	
15	256QAM	1	74	14.17	14.15	14.16	
15	256QAM	36	0	13.96	13.82	13.86	15
15	256QAM	36	20	14.02	14.03	13.96	
15	256QAM	36	39	14.07	14.00	13.92	
15	256QAM	75	0	14.00	14.02	13.99	
Channel				43140	43340	43540	
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	19.17	19.04	19.03	20
10	QPSK	1	25	19.14	19.24	19.24	
10	QPSK	1	49	19.18	19.08	19.08	
10	QPSK	25	0	18.04	17.81	17.96	
10	QPSK	25	12	18.07	18.14	17.95	19
10	QPSK	25	25	18.14	18.04	18.08	
10	QPSK	50	0	18.15	18.06	18.00	
10	16QAM	1	0	18.37	18.20	18.40	
10	16QAM	1	25	18.33	18.48	18.35	19
10	16QAM	1	49	18.37	18.17	18.33	
10	16QAM	25	0	17.06	17.03	16.95	
10	16QAM	25	12	17.07	17.16	17.00	
10	16QAM	25	25	17.17	17.01	16.94	18
10	16QAM	50	0	17.17	17.10	16.98	
10	64QAM	1	0	17.59	17.49	17.45	
10	64QAM	1	25	17.31	17.18	17.36	
10	64QAM	1	49	17.31	17.40	17.41	17
10	64QAM	25	0	16.07	15.93	16.01	
10	64QAM	25	12	16.14	16.15	16.01	
10	64QAM	25	25	16.22	16.15	16.02	
10	64QAM	50	0	16.24	16.12	16.00	15
10	256QAM	1	0	14.22	14.13	13.95	
10	256QAM	1	25	14.35	14.14	14.18	
10	256QAM	1	49	14.23	14.27	14.27	
10	256QAM	25	0	14.15	13.98	14.02	15
10	256QAM	25	12	14.16	14.15	14.04	
10	256QAM	25	25	14.22	14.15	14.13	
10	256QAM	50	0	14.18	14.14	14.00	
Channel				43115	43340	43565	
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	19.11	19.13	19.03	20
5	QPSK	1	12	19.09	19.15	19.21	
5	QPSK	1	24	19.06	18.85	19.12	
5	QPSK	12	0	18.07	17.86	17.96	
5	QPSK	12	7	18.14	17.75	17.99	19
5	QPSK	12	13	18.11	17.91	18.15	
5	QPSK	25	0	18.08	18.03	17.82	
5	16QAM	1	0	18.31	18.20	18.31	
5	16QAM	1	12	18.62	18.22	18.22	19
5	16QAM	1	24	18.27	18.36	18.24	
5	16QAM	12	0	17.20	17.11	16.96	



5	16QAM	12	7	17.27	17.11	17.06	18
5	16QAM	12	13	17.13	17.11	17.06	
5	16QAM	25	0	17.12	17.06	16.96	
5	64QAM	1	0	17.51	17.36	17.27	18
5	64QAM	1	12	17.23	17.32	17.26	
5	64QAM	1	24	17.23	17.26	17.36	
5	64QAM	12	0	15.99	16.12	15.95	17
5	64QAM	12	7	16.08	16.15	15.96	
5	64QAM	12	13	16.14	16.10	16.10	
5	64QAM	25	0	16.16	16.11	15.98	15
5	256QAM	1	0	14.15	14.13	13.92	
5	256QAM	1	12	14.49	14.29	14.33	
5	256QAM	1	24	14.30	14.09	14.10	15
5	256QAM	12	0	14.14	14.13	13.90	
5	256QAM	12	7	14.17	14.14	14.04	
5	256QAM	12	13	14.17	14.05	14.00	15
5	256QAM	25	0	14.09	14.16	14.04	

Band 43(3600~3700)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	18.48	18.39	18.70	20
20	QPSK	1	49	18.19	18.23	18.47	
20	QPSK	1	99	18.44	18.73	18.66	
20	QPSK	50	0	17.26	17.53	17.73	19
20	QPSK	50	24	17.46	17.64	17.88	
20	QPSK	50	50	17.47	17.69	17.88	
20	QPSK	100	0	17.37	17.61	17.78	19
20	16QAM	1	0	17.55	17.55	17.81	
20	16QAM	1	49	17.58	17.89	18.20	
20	16QAM	1	99	17.62	17.98	18.07	18
20	16QAM	50	0	16.40	16.54	16.64	
20	16QAM	50	24	16.49	16.47	16.95	
20	16QAM	50	50	16.46	16.47	16.91	18
20	16QAM	100	0	16.36	16.64	16.91	
20	64QAM	1	0	16.65	16.89	17.07	
20	64QAM	1	49	16.75	16.94	17.05	18
20	64QAM	1	99	16.53	16.88	16.90	
20	64QAM	50	0	15.31	15.54	15.79	17
20	64QAM	50	24	15.43	15.65	15.85	
20	64QAM	50	50	15.43	15.73	15.87	
20	64QAM	100	0	15.43	15.65	15.78	15
20	256QAM	1	0	13.59	13.83	13.73	
20	256QAM	1	49	13.57	13.57	13.89	
20	256QAM	1	99	13.65	13.98	14.17	15
20	256QAM	50	0	13.33	13.53	13.65	
20	256QAM	50	24	13.49	13.76	13.88	
20	256QAM	50	50	13.47	13.71	13.88	15
20	256QAM	100	0	13.44	13.64	13.90	
Channel				43665	44090	44515	
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	18.31	18.45	18.62	20
15	QPSK	1	37	18.35	18.90	18.74	
15	QPSK	1	74	18.28	18.41	18.79	
15	QPSK	36	0	17.38	17.46	17.67	19
15	QPSK	36	20	17.34	17.62	17.82	
15	QPSK	36	39	17.40	17.58	17.81	
15	QPSK	75	0	17.46	17.56	17.85	19
15	16QAM	1	0	17.46	17.82	17.95	
15	16QAM	1	37	17.81	17.75	17.98	
15	16QAM	1	74	17.49	17.93	18.03	18
15	16QAM	36	0	16.36	16.50	16.51	
15	16QAM	36	20	16.44	16.62	16.75	
15	16QAM	36	39	16.44	16.72	16.85	18
15	16QAM	75	0	16.44	16.61	16.86	
15	64QAM	1	0	16.54	16.64	16.93	
15	64QAM	1	37	16.67	16.98	16.85	18
15	64QAM	1	74	16.64	16.77	16.95	
15	64QAM	36	0	15.38	15.51	15.73	
15	64QAM	36	20	15.43	15.65	15.80	17
15	64QAM	36	39	15.34	15.70	15.82	
15	64QAM	75	0	15.31	15.59	15.84	
15	256QAM	1	0	13.42	13.59	13.60	15
15	256QAM	1	37	13.46	13.60	13.79	
15	256QAM	1	74	13.56	13.65	14.00	
15	256QAM	36	0	13.41	13.55	13.74	15
15	256QAM	36	20	13.50	13.66	13.80	
15	256QAM	36	39	13.43	13.71	13.93	
15	256QAM	75	0	13.50	13.64	13.87	
Channel				43640	44090	44540	
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	18.64	18.78	18.92	
10	QPSK	1	25	18.50	18.88	18.92	20
10	QPSK	1	49	18.47	18.93	18.98	
10	QPSK	25	0	17.41	17.61	17.90	19
10	QPSK	25	12	17.59	17.73	18.02	
10	QPSK	25	25	17.60	17.85	17.86	
10	QPSK	50	0	17.58	17.74	17.92	19
10	16QAM	1	0	17.70	18.01	18.36	
10	16QAM	1	25	17.66	17.93	17.94	
10	16QAM	1	49	17.83	17.98	18.15	18
10	16QAM	25	0	16.39	16.63	17.00	
10	16QAM	25	12	16.60	16.83	17.04	
10	16QAM	25	25	16.40	16.76	16.97	18
10	16QAM	50	0	16.62	16.64	16.90	
10	64QAM	1	0	16.65	17.10	17.37	
10	64QAM	1	25	16.71	16.68	17.31	17
10	64QAM	1	49	16.84	17.06	17.06	
10	64QAM	25	0	15.38	15.67	15.84	
10	64QAM	25	12	15.66	15.80	16.01	15
10	64QAM	25	25	15.59	15.75	15.97	
10	64QAM	50	0	15.58	15.78	16.01	
10	256QAM	1	0	13.75	13.73	14.09	15
10	256QAM	1	25	13.73	13.88	14.00	
10	256QAM	1	49	13.47	13.87	13.94	
10	256QAM	25	0	13.49	13.64	13.84	15
10	256QAM	25	12	13.62	13.82	14.04	
10	256QAM	25	25	13.58	13.76	13.98	
10	256QAM	50	0	13.62	13.78	14.03	
Channel				43615	44090	44565	
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	18.59	18.74	18.77	
5	QPSK	1	12	18.74	18.70	19.08	20
5	QPSK	1	24	18.48	18.61	18.86	
5	QPSK	12	0	17.57	17.54	17.88	19
5	QPSK	12	7	17.64	17.76	18.02	
5	QPSK	12	13	17.47	17.74	17.93	
5	QPSK	25	0	17.59	17.68	17.91	19
5	16QAM	1	0	17.76	17.90	18.23	
5	16QAM	1	12	17.78	17.90	18.14	
5	16QAM	1	24	17.66	18.03	18.08	19
5	16QAM	12	0	16.49	16.67	17.00	



5	16QAM	12	7	16.49	16.68	17.04	18
5	16QAM	12	13	16.53	16.82	17.04	
5	16QAM	25	0	16.54	16.73	16.93	
5	64QAM	1	0	16.79	16.97	17.33	18
5	64QAM	1	12	16.96	17.23	17.31	
5	64QAM	1	24	16.87	17.04	17.20	
5	64QAM	12	0	15.57	15.77	15.91	17
5	64QAM	12	7	15.64	15.82	15.92	
5	64QAM	12	13	15.57	15.70	15.98	
5	64QAM	25	0	15.56	15.70	15.97	15
5	256QAM	1	0	13.56	13.50	13.77	
5	256QAM	1	12	13.85	14.06	14.09	
5	256QAM	1	24	13.71	13.98	14.02	15
5	256QAM	12	0	13.50	13.66	13.94	
5	256QAM	12	7	13.68	13.78	13.92	
5	256QAM	12	13	13.57	13.79	13.99	15
5	256QAM	25	0	13.62	13.74	13.86	

Band 43(3700~3800)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				44690	45090	45490	
Frequency (MHz)				3710	3750	3790	
20	QPSK	1	0	18.81	18.43	18.64	20
20	QPSK	1	49	18.48	18.17	18.38	
20	QPSK	1	99	18.60	19.13	18.63	
20	QPSK	50	0	17.65	17.50	17.70	19
20	QPSK	50	24	17.77	17.52	17.63	
20	QPSK	50	50	17.87	17.71	17.77	
20	QPSK	100	0	17.67	17.64	17.63	19
20	16QAM	1	0	17.99	17.64	17.84	
20	16QAM	1	49	17.88	18.01	17.86	
20	16QAM	1	99	17.79	17.82	17.93	18
20	16QAM	50	0	16.67	16.50	16.74	
20	16QAM	50	24	16.87	16.59	16.66	
20	16QAM	50	50	16.79	16.76	16.85	18
20	16QAM	100	0	16.80	16.70	16.69	
20	64QAM	1	0	16.79	16.78	16.89	
20	64QAM	1	49	16.88	16.93	16.92	18
20	64QAM	1	99	17.18	17.01	16.75	
20	64QAM	50	0	15.72	15.57	15.57	17
20	64QAM	50	24	15.81	15.62	15.69	
20	64QAM	50	50	15.76	15.75	15.83	
20	64QAM	100	0	15.78	15.49	15.76	15
20	256QAM	1	0	13.90	13.87	13.84	
20	256QAM	1	49	13.80	13.86	13.94	
20	256QAM	1	99	13.69	13.83	13.76	15
20	256QAM	50	0	13.72	13.63	13.68	
20	256QAM	50	24	13.83	13.64	13.66	
20	256QAM	50	50	13.79	13.79	13.83	15
20	256QAM	100	0	13.83	13.58	13.78	
Channel				44665	45090	45515	
Frequency (MHz)				3707.5	3750	3792.5	
15	QPSK	1	0	18.66	18.42	19.11	20
15	QPSK	1	37	19.09	18.50	18.53	
15	QPSK	1	74	18.50	18.58	18.34	
15	QPSK	36	0	17.64	17.63	17.64	19
15	QPSK	36	20	17.76	17.54	17.63	
15	QPSK	36	39	17.85	17.71	17.75	
15	QPSK	75	0	17.65	17.52	17.63	19
15	16QAM	1	0	17.89	17.75	17.74	
15	16QAM	1	37	18.02	17.75	17.94	
15	16QAM	1	74	17.99	17.91	17.80	18
15	16QAM	36	0	16.53	16.58	16.49	
15	16QAM	36	20	16.67	16.52	16.68	
15	16QAM	36	39	16.68	16.72	16.79	18
15	16QAM	75	0	16.65	16.66	16.64	
15	64QAM	1	0	17.03	16.61	16.86	
15	64QAM	1	37	17.09	16.91	17.02	18
15	64QAM	1	74	16.96	16.81	16.90	
15	64QAM	36	0	15.82	15.54	15.60	
15	64QAM	36	20	15.79	15.57	15.70	17
15	64QAM	36	39	15.81	15.70	15.72	
15	64QAM	75	0	15.84	15.54	15.65	
15	256QAM	1	0	13.75	13.54	13.51	15
15	256QAM	1	37	13.74	13.66	13.90	
15	256QAM	1	74	13.92	13.79	14.01	
15	256QAM	36	0	13.68	13.61	13.71	15
15	256QAM	36	20	13.76	13.64	13.68	
15	256QAM	36	39	13.74	13.66	13.71	
15	256QAM	75	0	13.71	13.61	13.63	
Channel				44640	45090	45540	
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	0	18.89	18.88	18.83	20
10	QPSK	1	25	19.00	18.80	18.81	
10	QPSK	1	49	19.07	18.97	18.78	
10	QPSK	25	0	17.90	17.65	17.74	19
10	QPSK	25	12	17.90	17.75	17.84	
10	QPSK	25	25	17.98	17.79	17.82	
10	QPSK	50	0	17.81	17.67	17.75	19
10	16QAM	1	0	18.13	17.99	18.08	
10	16QAM	1	25	18.27	17.95	18.03	
10	16QAM	1	49	18.23	18.01	18.04	18
10	16QAM	25	0	16.84	16.81	16.73	
10	16QAM	25	12	16.97	16.76	16.82	
10	16QAM	25	25	16.98	16.80	16.85	18
10	16QAM	50	0	16.93	16.73	16.72	
10	64QAM	1	0	17.24	16.97	16.83	
10	64QAM	1	25	17.24	17.05	17.18	17
10	64QAM	1	49	17.06	16.95	16.98	
10	64QAM	25	0	15.86	15.66	15.80	
10	64QAM	25	12	15.91	15.70	15.85	17
10	64QAM	25	25	15.97	15.86	15.88	
10	64QAM	50	0	15.85	15.67	15.79	
10	256QAM	1	0	13.98	13.54	13.90	15
10	256QAM	1	25	14.02	13.86	14.20	
10	256QAM	1	49	14.08	13.85	13.94	
10	256QAM	25	0	13.80	13.72	13.72	15
10	256QAM	25	12	13.88	13.72	13.77	
10	256QAM	25	25	13.96	13.76	13.86	
10	256QAM	50	0	13.89	13.66	13.82	
Channel				44615	45090	45565	
Frequency (MHz)				3702.5	3750	3797.5	
5	QPSK	1	0	18.87	18.70	18.84	20
5	QPSK	1	12	19.05	18.96	19.01	
5	QPSK	1	24	19.05	18.83	18.93	
5	QPSK	12	0	17.78	17.73	17.75	19
5	QPSK	12	7	17.84	17.64	17.80	
5	QPSK	12	13	17.89	17.79	17.77	
5	QPSK	25	0	17.77	17.73	17.73	19
5	16QAM	1	0	18.07	17.87	17.98	
5	16QAM	1	12	18.08	18.01	18.00	
5	16QAM	1	24	18.09	17.81	18.15	19
5	16QAM	12	0	16.62	16.73	16.72	

Band 48

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				55340	55990	56640	
Frequency (MHz)				3560	3625	3690	
20	QPSK	1	0	18.64	19.24	19.53	20.5
20	QPSK	1	49	18.89	19.18	19.35	
20	QPSK	1	99	18.80	19.00	19.15	
20	QPSK	50	0	17.90	18.24	18.44	19.5
20	QPSK	50	24	17.93	18.23	18.44	
20	QPSK	50	50	17.92	18.26	18.38	
20	QPSK	100	0	17.94	18.31	18.39	
20	16QAM	1	0	18.14	18.48	18.74	19.5
20	16QAM	1	49	18.14	18.45	18.45	
20	16QAM	1	99	17.75	18.32	18.11	
20	16QAM	50	0	16.88	17.27	17.48	18.5
20	16QAM	50	24	16.95	17.20	17.43	
20	16QAM	50	50	16.88	17.18	17.37	
20	16QAM	100	0	16.95	17.15	17.38	
20	64QAM	1	0	17.92	18.32	18.63	18.5
20	64QAM	1	49	18.04	18.46	18.45	
20	64QAM	1	99	17.78	18.21	18.09	
20	64QAM	50	0	16.90	17.09	17.19	17.5
20	64QAM	50	24	16.92	17.12	17.44	
20	64QAM	50	50	16.91	17.23	17.38	
20	64QAM	100	0	16.93	17.26	17.39	
20	256QAM	1	0	15.65	15.55	16.69	17
20	256QAM	1	49	16.57	16.32	15.95	
20	256QAM	1	99	16.58	15.33	15.60	
20	256QAM	50	0	15.13	16.52	15.47	17
20	256QAM	50	24	16.59	15.12	15.00	
20	256QAM	50	50	16.66	15.96	16.57	
20	256QAM	100	0	16.69	15.13	15.91	
Channel				55315	55990	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3625	3692.5	
15	QPSK	1	0	18.88	19.20	19.55	
15	QPSK	1	37	18.94	19.25	19.43	20.5
15	QPSK	1	74	18.87	19.16	19.06	
15	QPSK	36	0	17.87	18.24	18.33	19.5
15	QPSK	36	20	17.91	18.29	18.43	
15	QPSK	36	39	17.88	18.21	18.28	
15	QPSK	75	0	17.91	18.16	18.44	
15	16QAM	1	0	18.10	18.39	18.69	19.5
15	16QAM	1	37	17.86	18.34	18.55	
15	16QAM	1	74	17.89	18.33	18.34	
15	16QAM	36	0	16.84	17.08	17.26	18.5
15	16QAM	36	20	16.87	17.30	17.45	
15	16QAM	36	39	16.88	17.28	17.19	
15	16QAM	75	0	16.84	17.31	17.37	
15	64QAM	1	0	17.99	18.18	18.50	18.5
15	64QAM	1	37	17.99	18.32	18.43	
15	64QAM	1	74	17.99	18.04	18.07	
15	64QAM	36	0	16.85	17.15	17.24	17.5
15	64QAM	36	20	16.95	17.28	17.13	
15	64QAM	36	39	16.86	17.25	17.28	
15	64QAM	75	0	16.90	17.24	17.44	
15	256QAM	1	0	15.42	16.73	15.08	17
15	256QAM	1	37	15.70	16.68	15.76	
15	256QAM	1	74	16.56	15.01	15.32	
15	256QAM	36	0	16.11	15.62	15.83	17
15	256QAM	36	20	16.05	15.16	16.60	
15	256QAM	36	39	15.51	15.54	15.76	

15	256QAM	75	0	15.85	15.36	16.20	Tune-up limit (dBm)
Channel				55290	55990	56690	
Frequency (MHz)				3555	3625	3695	
10	QPSK	1	0	19.24	18.89	19.36	20.5
10	QPSK	1	25	19.26	19.46	19.44	
10	QPSK	1	49	19.11	19.21	19.53	
10	QPSK	25	0	18.19	18.45	18.58	19.5
10	QPSK	25	12	18.23	18.42	18.64	
10	QPSK	25	25	18.10	18.52	18.53	
10	QPSK	50	0	18.04	18.38	18.51	
10	16QAM	1	0	18.27	18.62	18.70	19.5
10	16QAM	1	25	18.29	18.77	18.78	
10	16QAM	1	49	18.34	18.52	18.55	
10	16QAM	25	0	17.08	17.40	17.30	18.5
10	16QAM	25	12	17.19	17.40	17.37	
10	16QAM	25	25	17.19	17.48	17.58	
10	16QAM	50	0	17.11	17.44	17.50	
10	64QAM	1	0	18.22	18.44	18.72	18.5
10	64QAM	1	25	18.16	18.47	18.69	
10	64QAM	1	49	18.08	18.28	18.54	
10	64QAM	25	0	17.05	17.35	17.58	17.5
10	64QAM	25	12	17.27	17.35	17.52	
10	64QAM	25	25	17.20	17.44	17.54	
10	64QAM	50	0	17.03	17.04	17.21	
10	256QAM	1	0	15.41	15.32	15.93	17
10	256QAM	1	25	15.49	16.59	16.10	
10	256QAM	1	49	15.36	15.44	16.10	
10	256QAM	25	0	15.38	15.63	16.20	17
10	256QAM	25	12	16.24	15.71	15.65	
10	256QAM	25	25	15.18	15.93	16.41	
10	256QAM	50	0	15.01	15.37	16.75	
Channel				55265	55990	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3625	3697.5	
5	QPSK	1	0	18.99	19.47	19.57	20.5
5	QPSK	1	12	18.97	19.54	19.49	
5	QPSK	1	24	19.03	19.49	19.51	
5	QPSK	12	0	18.08	18.34	18.48	19.5
5	QPSK	12	7	18.16	18.50	18.67	
5	QPSK	12	13	18.09	18.44	18.60	
5	QPSK	25	0	18.12	18.48	18.61	
5	16QAM	1	0	18.27	18.62	18.86	19.5
5	16QAM	1	12	18.23	18.77	18.66	
5	16QAM	1	24	18.22	18.55	18.65	
5	16QAM	12	0	17.18	17.45	17.62	18.5
5	16QAM	12	7	17.22	17.47	17.65	
5	16QAM	12	13	17.13	17.47	17.62	
5	16QAM	25	0	17.13	17.55	17.56	
5	64QAM	1	0	17.93	18.48	18.58	18.5
5	64QAM	1	12	18.16	18.64	18.77	
5	64QAM	1	24	18.11	18.36	18.57	
5	64QAM	12	0	17.18	17.44	17.60	17.5
5	64QAM	12	7	17.18	17.48	17.68	
5	64QAM	12	13	17.14	17.48	17.78	
5	64QAM	25	0	17.14	17.57	17.57	
5	256QAM	1	0	15.45	16.04	16.74	17
5	256QAM	1	12	16.11	16.45	16.55	
5	256QAM	1	24	15.05	16.60	15.75	
5	256QAM	12	0	15.58	15.95	15.15	17
5	256QAM	12	7	15.36	16.71	15.37	
5	256QAM	12	13	16.24	16.23	15.91	
5	256QAM	25	0	15.80	15.83	15.48	

n48 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				638000	639834	641666	643500	645332	limit
Frequency (MHz)				3570	3597.51	3624.99	3652.5	3679.98	
40	DFT-s-OFDM PI/2 BPSK	1	1	18.30	18.47	18.81	18.89	18.93	20
40		1	53	18.35	18.77	18.62	18.79	18.83	
40		1	104	18.65	18.80	18.98	18.89	19.02	
40		50	1	17.95	18.08	18.25	18.39	18.32	19
40		50	25	18.37	18.79	18.69	18.87	18.87	
40		50	50	17.93	18.28	18.19	18.36	18.30	
40	DFT-s-OFDM QPSK	100	0	17.94	18.33	18.19	18.33	18.38	20
40		1	1	18.92	18.51	18.79	18.91	18.91	
40		1	53	18.34	18.79	18.66	18.78	18.85	
40		1	104	18.67	18.78	19.00	18.98	18.88	19
40		50	1	17.38	17.56	17.70	17.90	17.81	
40		50	25	18.37	18.80	18.66	18.83	18.83	
40		50	50	17.39	17.71	17.69	17.81	17.77	
40		100	0	17.39	17.80	17.68	17.84	17.83	
40	DFT-s-OFDM 16QAM	1	1	17.59	17.32	17.61	17.88	17.70	19
40	DFT-s-OFDM 64QAM	1	1	15.85	15.97	16.26	16.34	16.36	18
40	DFT-s-OFDM 256QAM	1	1	13.58	13.83	14.07	14.18	14.34	14
40	CP-OFDM QPSK	1	1	16.89	16.12	17.28	17.30	17.36	18
40	CP-OFDM 16QAM	1	1	16.27	16.51	16.77	16.93	16.88	17
40	CP-OFDM 64QAM	1	1	14.78	14.55	14.89	14.95	15.34	16
40	CP-OFDM 256QAM	1	1	11.64	11.80	12.06	12.09	12.38	13
Channel				637668	639668	641666	643666	645666	Tune-up limit
Frequency (MHz)				3565.02	3595.02	3624.99	3654.99	3684.99	
30	DFT-s-OFDM QPSK	1	1	18.32	18.53	18.65	18.94	18.80	20
Channel				637334	639500	641666	643832	646000	Tune-up limit
Frequency (MHz)				3560.01	3592.5	3624.99	3657.48	3690	
20	DFT-s-OFDM QPSK	1	1	18.30	18.53	18.71	18.87	18.76	20
Channel				637000	639334	641666	644000	646332	Tune-up limit
Frequency (MHz)				3555	3590.01	3624.99	3660	3694.98	
10	DFT-s-OFDM QPSK	1	1	18.21	18.45	18.46	18.69	18.61	20

n70 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					340500		Tune-up limit (dBm)
Frequency (MHz)					1702.5		
15	DFT-s-OFDM PI/2 BPSK	1	1		21.83		23
15		1	39		21.89		
15		1	77		21.86		
15		36	1		21.30		22
15		36	18		21.86		
15		36	37		21.41		
15		75	0		21.38		
15	DFT-s-OFDM QPSK	1	1		21.87		23
15		1	39		21.96		
15		1	77		21.90		
15		36	1		20.81		22
15		36	18		20.87		
15		36	37		20.87		
15		75	0		20.87		
15	DFT-s-OFDM 16QAM	1	1		20.81		22
15	DFT-s-OFDM 64QAM	1	1		19.25		21
15	DFT-s-OFDM 256QAM	1	1		16.98		17
15	CP-OFDM QPSK	1	1		20.14		21.5
15	CP-OFDM 16QAM	1	1		19.74		21
15	CP-OFDM 64QAM	1	1		17.89		19.5
15	CP-OFDM 256QAM	1	1		15.08		16
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	DFT-s-OFDM QPSK	1	1	21.62	21.69	21.72	23
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	DFT-s-OFDM QPSK	1	1	21.92	21.74	21.84	23

n77(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel						633334			
Frequency (MHz)						3500.01			
100	DFT-s-OFDM PI/2 BPSK	1	1			24.58			25
100		1	136			24.04			
100		1	271			23.61			
100		135	1			23.79			24
100		135	67			24.14			
100		135	136			22.99			
100	DFT-s-OFDM QPSK	270	0			23.58			25
100		1	1			23.83			
100		1	136			24.01			
100		1	271			23.56			24
100		135	1			23.27			
100		135	67			24.13			
100		135	136			22.47			24
100		270	0			23.08			
100	DFT-s-OFDM 16QAM	1	1			23.45			24
100	DFT-s-OFDM 64QAM	1	1			22.07			23
100	DFT-s-OFDM 256QAM	1	1			19.92			19
100	CP-OFDM QPSK	1	1			23.09			25
100	CP-OFDM 16QAM	1	1			22.66			24
100	CP-OFDM 64QAM	1	1			20.79			23
100	CP-OFDM 256QAM	1	1			17.91			19
Channel				633000	633168	633334	633500	633666	Tune-up limit
Frequency (MHz)				3495	3497.52	3500.01	3502.5	3504.99	
90	DFT-s-OFDM QPSK	1	1	24.57	24.51	24.52	24.43	24.45	25
Channel				632668	633000	633334	633666	634000	Tune-up limit
Frequency (MHz)				3490.02	3495	3500.01	3504.99	3510	
80	DFT-s-OFDM QPSK	1	1	24.57	24.55	24.42	24.43	24.34	25
Channel				632334	632668	633334	633832	634332	Tune-up limit
Frequency (MHz)				3485.01	3492.51	3500.01	3507.48	3514.98	
70	DFT-s-OFDM QPSK	1	1	24.60	24.54	24.46	24.31	24.29	25
Channel				632000	632668	633334	634000	634666	Tune-up limit
Frequency (MHz)				3480	3490.02	3500.01	3510	3519.99	
60	DFT-s-OFDM QPSK	1	1	24.66	24.60	24.57	24.45	24.35	25
Channel				631668	632500	633334	634166	635000	Tune-up limit
Frequency (MHz)				3475.02	3487.5	3500.01	3510	3525	
50	DFT-s-OFDM QPSK	1	1	24.76	24.64	24.57	24.39	24.53	25
Channel				631334	632334	633334	634332	635332	Tune-up limit
Frequency (MHz)				3470.01	3485.01	3500.01	3514.98	3529.98	
40	DFT-s-OFDM QPSK	1	1	24.99	24.86	24.72	24.57	24.17	25
Channel				631000	632168	633334	634500	635666	Tune-up limit
Frequency (MHz)				3465	3482.52	3500.01	3517.5	3534.99	
30	DFT-s-OFDM QPSK	1	1	24.97	24.85	24.64	24.35	23.86	25
Channel				630668	632000	633334	634666	636000	Tune-up limit
Frequency (MHz)				3460.02	3480	3500.01	3519.99	3540	
20	DFT-s-OFDM QPSK	1	1	24.82	24.68	24.43	23.96	23.64	25
Channel				630500	631916	633334	634750	636166	Tune-up limit
Frequency (MHz)				3457.5	3478.74	3500.01	3521.25	3542.49	
15	DFT-s-OFDM QPSK	1	1	24.86	24.62	24.36	23.96	23.65	25
Channel				630334	631834	633334	634834	636332	Tune-up limit
Frequency (MHz)				3455.01	3477.51	3500.01	3522.51	3544.98	
10	DFT-s-OFDM QPSK	1	1	24.71	24.48	24.28	23.72	23.46	25

n77&n78(3700-3980MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up
Channel				650000	653000	656000	659000	662000	limit
Frequency (MHz)				3750	3795	3840	3885	3930	(dBm)
100	DFT-s-OFDM PI/2 BPSK	1	1	24.18	24.01	23.36	23.24	22.83	25
100		1	136	24.09	23.65	23.27	22.89	22.36	
100		1	271	23.58	23.40	22.81	22.44	22.96	
100		135	1	23.90	23.26	22.70	22.41	22.03	24
100		135	67	24.09	23.74	23.32	22.90	22.43	
100		135	136	23.19	22.82	22.34	21.97	22.13	
100		270	0	23.49	23.17	22.86	22.39	22.02	
100	DFT-s-OFDM QPSK	1	1	24.17	23.98	23.38	23.28	22.89	25
100		1	136	24.10	23.54	23.30	22.82	22.38	
100		1	271	23.59	23.38	22.81	22.35	22.96	
100		135	1	23.40	22.77	22.24	22.93	21.54	24
100		135	67	23.68	23.64	23.35	22.86	22.43	
100		135	136	22.72	22.33	21.75	21.49	21.64	
100		270	0	23.05	22.73	22.34	21.89	21.54	
100	DFT-s-OFDM 16QAM	1	1	23.01	22.93	22.35	22.24	21.86	24
100	DFT-s-OFDM 64QAM	1	1	21.60	21.49	20.84	20.75	20.34	23
100	DFT-s-OFDM 256QAM	1	1	19.70	19.28	18.65	18.55	18.17	19
100	CP-OFDM QPSK	1	1	22.68	22.49	21.97	21.73	19.46	25
100	CP-OFDM 16QAM	1	1	22.22	21.74	21.44	21.25	20.86	24
100	CP-OFDM 64QAM	1	1	20.70	20.25	19.83	19.74	19.33	23
100	CP-OFDM 256QAM	1	1	17.79	17.20	16.95	16.85	16.46	19
Channel				649666	652834	656000	659166	662332	Tune-up
Frequency (MHz)				3744.99	3792.51	3840	3887.49	3934.98	limit
90	DFT-s-OFDM QPSK	1	1	24.17	23.94	23.49	23.33	22.93	25
Channel				649334	652668	656000	659332	662666	Tune-up
Frequency (MHz)				3740.01	3790.02	3840	3889.98	3939.99	limit
80	DFT-s-OFDM QPSK	1	1	24.28	23.97	23.64	23.23	22.83	25
Channel				649000	652500	656000	659500	663000	Tune-up
Frequency (MHz)				3735	3787.5	3840	3892.5	3945	limit
70	DFT-s-OFDM QPSK	1	1	24.28	23.98	23.56	23.15	22.75	25
Channel				648668	652334	656000	659666	663332	Tune-up
Frequency (MHz)				3730.02	3785.01	3840	3894.99	3949.98	limit
60	DFT-s-OFDM QPSK	1	1	24.27	24.00	23.60	23.13	22.74	25
Channel				648334	652168	656000	659832	663666	Tune-up
Frequency (MHz)				3725.01	3782.52	3840	3894.99	3954.99	limit
50	DFT-s-OFDM QPSK	1	1	24.31	24.02	23.48	23.30	22.84	25
Channel				648000	652000	656000	660000	664000	Tune-up
Frequency (MHz)				3720	3780	3840	3900	3960	limit
40	DFT-s-OFDM QPSK	1	1	24.70	24.20	23.78	23.39	23.15	25
Channel				647668	651834	656000	660166	664332	Tune-up
Frequency (MHz)				3715.02	3777.51	3840	3902.49	3964.98	limit
30	DFT-s-OFDM QPSK	1	1	24.37	24.13	23.64	23.31	23.15	25
Channel				647334	651668	656000	660332	664666	Tune-up
Frequency (MHz)				3710.01	3775.02	3840	3904.98	3969.99	limit
20	DFT-s-OFDM QPSK	1	1	24.44	24.07	23.70	23.14	23.44	25
Channel				647168	651584	656000	660416	664832	Tune-up
Frequency (MHz)				3707.52	3773.76	3840	3906.24	3972.48	limit
15	DFT-s-OFDM QPSK	1	1	24.44	24.08	23.70	23.11	23.47	25
Channel				647000	651500	656000	660500	665000	Tune-up
Frequency (MHz)				3705	3772.5	3840	3907.5	3975	limit
10	DFT-s-OFDM QPSK	1	1	24.34	23.95	23.50	22.81	23.52	23

[illegible]