



REPORT No.: SZ23040391S01

## Annex E Conducted Power

**Note:**

Conducted power unit: dBm

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

**Full Power for ANT 1 & ANT 3 & ANT 4 & ANT 7 & ANT8 & ANT9 & ANT 10**

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	128	189	251		128	189	251		
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	31.70	31.71	31.63	32.70	22.70	22.71	22.63	23.70	0.15
GPRS 1 Tx slot	31.74	31.78	31.68	32.70	22.74	22.78	22.68	23.70	
GPRS 2 Tx slots	29.41	29.43	29.35	30.00	23.41	23.43	23.35	24.00	0.08
GPRS 3 Tx slots	27.39	27.42	27.33	28.20	23.13	23.16	23.07	23.94	0.09
GPRS 4 Tx slots	26.02	26.05	25.97	27.00	23.02	23.05	22.97	24.00	0.08
EDGE 1 Tx slot	26.80	26.83	26.69	27.00	17.80	17.83	17.69	18.00	0.14
EDGE 2 Tx slots	24.44	24.48	24.31	25.00	18.44	18.48	18.31	19.00	0.17
EDGE 3 Tx slots	22.47	22.50	22.38	23.00	18.21	18.24	18.12	18.74	0.12
EDGE 4 Tx slots	20.71	20.73	20.66	21.50	17.71	17.73	17.66	18.50	0.07
Mode		Max.	31.78			Max.	23.43		
Attenuator	Cable Loss : 0.6								

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	29.43	29.22	29.41	30.50	20.43	20.22	20.41	21.50	0.23
GPRS 1 Tx slot	29.39	29.20	29.40	30.50	20.39	20.20	20.40	21.50	
GPRS 2 Tx slots	27.81	28.13	28.20	29.00	21.81	22.13	22.20	23.00	0.39
GPRS 3 Tx slots	26.33	26.24	26.35	27.00	22.07	21.98	22.09	22.74	0.11
GPRS 4 Tx slots	25.31	25.16	25.33	26.00	22.31	22.16	22.33	23.00	0.17
EDGE 1 Tx slot	25.35	25.17	25.36	26.00	16.35	16.17	16.36	17.00	0.19
EDGE 2 Tx slots	24.16	24.09	24.23	25.00	18.16	18.09	18.23	19.00	0.14
EDGE 3 Tx slots	22.37	22.43	22.49	23.50	18.11	18.17	18.23	19.24	0.12
EDGE 4 Tx slots	21.41	21.36	21.47	22.50	18.41	18.36	18.47	19.50	0.11
Mode		Max.	29.43			Max.	22.33		
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 RMC 12.2Kbps	23.09	23.15	23.10	23.80	23.31	23.35	23.29	23.80	24.52	24.56	24.47	25.30
3GPP Rel 5 HSDPA Subtest-1	22.15	22.08	22.10	23.00	22.21	22.33	22.18	23.00	23.37	23.38	23.35	24.00
3GPP Rel 5 HSDPA Subtest-2	22.17	22.06	22.06	23.00	22.17	22.27	22.26	23.00	23.39	23.47	23.42	24.00
3GPP Rel 5 HSDPA Subtest-3	21.61	21.50	21.60	22.50	21.67	21.79	21.76	22.50	22.94	22.96	22.88	23.50
3GPP Rel 5 HSDPA Subtest-4	21.60	21.60	21.57	22.50	21.69	21.85	21.71	22.50	22.92	22.92	22.73	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	21.52	21.55	21.52	22.50	21.69	21.82	21.78	22.50	23.36	23.35	23.34	24.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.48	21.46	21.54	22.50	21.58	21.79	21.71	22.50	23.32	23.35	23.33	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.08	20.93	20.94	22.00	21.08	21.17	21.20	22.00	22.84	22.86	22.82	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	20.97	20.95	20.93	22.00	20.99	21.21	21.08	22.00	22.85	22.85	22.84	23.50
3GPP Rel 6 HSUPA Subtest-1	22.12	22.12	22.12	23.00	22.12	22.29	22.26	23.00	23.43	23.41	23.43	24.00
3GPP Rel 6 HSUPA Subtest-2	21.72	21.61	21.58	22.50	21.67	21.78	21.73	22.50	22.91	22.81	22.87	23.50
3GPP Rel 6 HSUPA Subtest-3	22.08	22.06	22.17	23.00	22.12	22.27	22.19	23.00	23.31	23.40	23.42	24.00
3GPP Rel 6 HSUPA Subtest-4	22.12	22.08	22.11	23.00	22.19	22.31	22.25	23.00	23.37	23.38	23.35	24.00
3GPP Rel 6 HSUPA Subtest-5	22.15	22.17	22.00	23.00	22.14	22.29	22.24	23.00	23.36	23.39	23.33	24.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	21.61	21.58	21.61	22.50	21.68	21.78	21.73	22.50	23.37	23.38	23.32	24.00
Attenuator		Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6	
Mode		Max.	23.15			Max.	23.35			Max.	24.56	



3	16QAM	1	8	21.98	21.92	21.97	22.8
3	16QAM	1	14	21.77	21.88	21.86	
3	16QAM	8	0	20.82	20.87	20.63	
3	16QAM	8	4	20.60	20.62	20.85	
3	16QAM	8	7	20.52	20.76	20.71	21.8
3	16QAM	15	0	20.62	20.69	20.68	
3	64QAM	1	0	20.80	20.86	20.97	
3	64QAM	1	8	20.78	20.61	20.84	21.8
3	64QAM	1	14	20.78	20.69	20.87	
3	64QAM	8	0	19.71	19.76	19.73	
3	64QAM	8	4	19.71	19.89	19.64	
3	64QAM	8	7	19.56	19.54	19.56	20.8
3	64QAM	15	0	19.64	19.79	19.59	
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	22.72	22.80	22.74	
1.4	QPSK	1	3	22.66	22.70	22.78	
1.4	QPSK	1	5	22.72	22.73	22.57	
1.4	QPSK	3	0	21.86	21.88	21.80	23.8
1.4	QPSK	3	1	21.83	21.83	21.82	
1.4	QPSK	3	3	21.83	21.85	21.81	
1.4	QPSK	6	0	21.70	21.69	21.73	22.8
1.4	16QAM	1	0	22.05	22.03	21.88	
1.4	16QAM	1	3	21.82	21.99	21.94	
1.4	16QAM	1	5	21.86	21.94	21.85	
1.4	16QAM	3	0	20.83	20.90	20.80	22.8
1.4	16QAM	3	1	20.84	20.87	20.85	
1.4	16QAM	3	3	20.81	20.80	20.83	
1.4	16QAM	6	0	20.47	20.68	20.57	21.8
1.4	64QAM	1	0	20.71	20.90	20.74	
1.4	64QAM	1	3	20.66	20.62	20.82	
1.4	64QAM	1	5	20.72	20.70	20.70	
1.4	64QAM	3	0	19.87	19.94	19.88	21.8
1.4	64QAM	3	1	19.81	19.89	19.86	
1.4	64QAM	3	3	19.85	19.82	19.81	
1.4	64QAM	6	0	19.71	19.79	19.67	20.8

3	16QAM	1	8	21.97	21.98	21.97	22.8
3	16QAM	1	14	21.81	21.95	21.91	
3	16QAM	8	0	20.73	20.85	20.72	
3	16QAM	8	4	20.74	20.76	20.80	
3	16QAM	8	7	20.60	20.65	20.74	21.8
3	16QAM	15	0	20.63	20.72	20.53	
3	64QAM	1	0	20.89	20.95	20.82	
3	64QAM	1	8	20.65	20.66	20.87	21.8
3	64QAM	1	14	20.69	20.75	20.93	
3	64QAM	8	0	19.64	19.86	19.76	
3	64QAM	8	4	19.74	19.87	19.55	
3	64QAM	8	7	19.59	19.71	19.67	20.8
3	64QAM	15	0	19.67	19.69	19.57	
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	22.76	22.78	22.73	
1.4	QPSK	1	3	22.66	22.69	22.63	
1.4	QPSK	1	5	22.70	22.75	22.71	
1.4	QPSK	3	0	21.87	21.90	21.82	23.8
1.4	QPSK	3	1	21.85	21.80	21.87	
1.4	QPSK	3	3	21.83	21.85	21.81	
1.4	QPSK	6	0	21.69	21.73	21.86	22.8
1.4	16QAM	1	0	22.04	22.05	22.03	
1.4	16QAM	1	3	22.04	22.03	21.76	
1.4	16QAM	1	5	21.90	21.84	21.99	
1.4	16QAM	3	0	20.84	20.86	20.82	22.8
1.4	16QAM	3	1	20.81	20.83	20.81	
1.4	16QAM	3	3	20.83	20.81	20.80	
1.4	16QAM	6	0	20.59	20.82	20.56	21.8
1.4	64QAM	1	0	20.96	20.97	20.75	
1.4	64QAM	1	3	20.75	20.84	20.93	
1.4	64QAM	1	5	20.66	20.61	20.97	
1.4	64QAM	3	0	19.85	19.94	19.88	21.8
1.4	64QAM	3	1	19.81	19.90	19.87	
1.4	64QAM	3	3	19.82	19.86	19.80	
1.4	64QAM	6	0	19.75	19.81	19.69	20.8





Band 66 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.87	22.95	22.90	23.8
20	QPSK	1	49	22.64	22.60	22.78	
20	QPSK	1	99	22.73	22.87	22.69	
20	QPSK	50	0	21.86	21.91	21.87	22.8
20	QPSK	50	24	21.73	21.78	21.75	
20	QPSK	50	50	21.63	21.77	21.67	
20	QPSK	100	0	21.66	21.64	21.87	22.8
20	16QAM	1	0	21.85	22.10	21.93	
20	16QAM	1	49	22.03	22.08	21.77	
20	16QAM	1	99	21.97	21.93	21.90	21.8
20	16QAM	50	0	20.86	20.89	20.75	
20	16QAM	50	24	20.79	20.71	20.78	
20	16QAM	50	50	20.66	20.73	20.81	21.8
20	16QAM	100	0	20.75	20.92	20.71	
20	64QAM	1	0	20.91	20.97	20.73	
20	64QAM	1	49	20.72	20.83	20.86	21.8
20	64QAM	1	99	20.83	20.77	20.86	
20	64QAM	50	0	19.70	19.83	19.70	
20	64QAM	50	24	19.74	19.93	19.69	20.8
20	64QAM	50	50	19.65	19.67	19.67	
20	64QAM	100	0	19.60	19.79	19.71	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.81	22.91	22.85	23.8
15	QPSK	1	37	22.87	22.78	22.77	
15	QPSK	1	74	22.77	22.78	22.71	
15	QPSK	36	0	21.83	21.85	21.77	22.8
15	QPSK	36	20	21.87	21.71	21.69	
15	QPSK	36	39	21.80	21.79	21.72	
15	QPSK	75	0	21.70	21.70	21.79	22.8
15	16QAM	1	0	21.95	22.01	22.07	
15	16QAM	1	37	21.95	21.89	21.77	
15	16QAM	1	74	21.84	22.05	21.94	21.8
15	16QAM	36	0	20.77	20.84	20.77	
15	16QAM	36	20	20.60	20.53	20.78	
15	16QAM	36	39	20.69	20.57	20.80	21.8
15	16QAM	75	0	20.60	20.76	20.61	
15	64QAM	1	0	20.79	20.91	20.95	
15	64QAM	1	37	20.77	20.80	20.77	21.8
15	64QAM	1	74	20.80	20.74	20.85	
15	64QAM	36	0	19.71	19.74	19.80	
15	64QAM	36	20	19.65	19.87	19.72	20.8
15	64QAM	36	39	19.73	19.67	19.74	
15	64QAM	75	0	19.75	19.87	19.78	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.78	22.89	22.83	23.8
10	QPSK	1	25	22.68	22.68	22.71	
10	QPSK	1	49	22.68	22.72	22.72	
10	QPSK	25	0	21.78	21.91	21.86	22.8
10	QPSK	25	12	21.86	21.76	21.79	
10	QPSK	25	25	21.76	21.74	21.72	
10	QPSK	50	0	21.78	21.72	21.86	22.8
10	16QAM	1	0	21.99	22.09	21.95	
10	16QAM	1	25	21.81	21.94	21.89	
10	16QAM	1	49	21.80	21.95	21.96	21.8
10	16QAM	25	0	20.89	20.80	20.60	
10	16QAM	25	12	20.69	20.68	20.71	
10	16QAM	25	25	20.61	20.72	20.75	21.8
10	16QAM	50	0	20.57	20.75	20.61	
10	64QAM	1	0	20.92	20.94	20.79	
10	64QAM	1	25	20.65	20.64	20.89	21.8
10	64QAM	1	49	20.82	20.68	20.79	
10	64QAM	25	0	19.79	19.71	19.75	
10	64QAM	25	12	19.68	19.80	19.53	20.8
10	64QAM	25	25	19.71	19.62	19.52	
10	64QAM	50	0	19.59	19.73	19.62	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.79	22.86	22.71	23.8
5	QPSK	1	12	22.70	22.71	22.69	
5	QPSK	1	24	22.65	22.67	22.62	
5	QPSK	12	0	21.88	21.92	21.75	22.8
5	QPSK	12	7	21.89	21.70	21.64	
5	QPSK	12	13	21.68	21.80	21.61	
5	QPSK	25	0	21.67	21.77	21.83	22.8
5	16QAM	1	0	21.81	22.02	21.90	
5	16QAM	1	12	22.05	21.98	21.87	
5	16QAM	1	24	21.92	22.04	21.86	21.8
5	16QAM	12	0	20.91	20.79	20.76	
5	16QAM	12	7	20.62	20.85	20.84	
5	16QAM	12	13	20.68	20.77	20.69	21.8
5	16QAM	25	0	20.61	20.72	20.66	
5	64QAM	1	0	20.91	21.07	20.80	
5	64QAM	1	12	20.70	20.78	20.92	21.8
5	64QAM	1	24	20.71	20.72	20.87	
5	64QAM	12	0	19.73	19.75	19.69	
5	64QAM	12	7	19.60	19.80	19.57	20.8
5	64QAM	12	13	19.72	19.64	19.56	
5	64QAM	25	0	19.75	19.81	19.60	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.78	22.87	22.75	23.8
3	QPSK	1	8	22.73	22.74	22.77	
3	QPSK	1	14	22.67	22.80	22.62	
3	QPSK	8	0	21.66	21.75	21.73	22.8
3	QPSK	8	4	21.72	21.59	21.68	
3	QPSK	8	7	21.81	21.66	21.59	
3	QPSK	15	0	21.59	21.73	21.65	22.8
3	16QAM	1	0	21.90	22.05	22.04	

3	16QAM	1	8	21.91	22.08	21.88	22.8
3	16QAM	1	14	21.85	21.96	21.99	
3	16QAM	8	0	20.94	20.92	20.69	21.8
3	16QAM	8	4	20.77	20.74	20.72	
3	16QAM	8	7	20.71	20.70	20.79	
3	16QAM	15	0	20.70	20.80	20.65	21.8
3	64QAM	1	0	20.72	21.03	20.88	
3	64QAM	1	8	20.83	20.83	20.81	
3	64QAM	1	14	20.72	20.72	20.76	20.8
3	64QAM	8	0	19.69	19.70	19.72	
3	64QAM	8	4	19.59	19.77	19.66	
3	64QAM	8	7	19.72	19.60	19.65	
3	64QAM	15	0	19.62	19.78	19.76	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.81	22.86	22.70	23.8
1.4	QPSK	1	3	22.81	22.68	22.69	
1.4	QPSK	1	5	22.55	22.76	22.81	
1.4	QPSK	3	0	21.87	21.88	21.85	
1.4	QPSK	3	1	21.82	21.82	21.80	
1.4	QPSK	3	3	21.80	21.81	21.82	
1.4	QPSK	6	0	21.70	21.74	21.66	22.8
1.4	16QAM	1	0	21.94	22.03	21.85	22.8
1.4	16QAM	1	3	21.92	21.97	21.75	
1.4	16QAM	1	5	21.84	21.99	21.86	
1.4	16QAM	3	0	20.73	20.97	20.67	
1.4	16QAM	3	1	20.82	20.68	20.80	
1.4	16QAM	3	3	20.62	20.74	20.68	
1.4	16QAM	6	0	20.69	20.80	20.61	21.8
1.4	64QAM	1	0	20.71	20.90	20.85	21.8
1.4	64QAM	1	3	20.77	20.73	20.75	
1.4	64QAM	1	5	20.68	20.71	20.93	
1.4	64QAM	3	0	19.61	19.73	19.79	
1.4	64QAM	3	1	19.59	19.82	19.69	
1.4	64QAM	3	3	19.69	19.61	19.56	
1.4	64QAM	6	0	19.62	19.71	19.79	20.8





CA_5B									
Combination:10MHz+10MHz(50RB+50RB)									
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset		
20450	20450	20549	QPSK	1	0	0	0	23.84	24.5
20476	20476	20575	QPSK	1	0	0	0	23.77	24.5
20501	20501	20600	QPSK	1	0	0	0	23.73	24.5
20450	20450	20549	16QAM	1	0	0	0	23.39	24
20476	20476	20575	16QAM	1	0	0	0	23.24	24
20501	20501	20600	16QAM	1	0	0	0	23.27	24
20450	20450	20549	64QAM	1	0	0	0	22.78	23.5
20476	20476	20575	64QAM	1	0	0	0	22.55	23.5
20501	20501	20600	64QAM	1	0	0	0	22.61	23.5
20450	20450	20549	QPSK	25	0	0	0	23.08	24
20476	20476	20575	QPSK	25	0	0	0	23.04	24
20501	20501	20600	QPSK	25	0	0	0	23.05	24

CA_48C									
Combination:20MHz+20MHz(100RB+100RB)									
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset		
55340	55340	55538	QPSK	1	0	0	0	21.39	22.00
55990	55891	56089	QPSK	1	0	0	0	21.42	22.00
56640	56442	56640	QPSK	1	0	0	0	21.37	22.00
55340	55340	55538	16QAM	1	0	0	0	20.79	21.50
55990	55891	56089	16QAM	1	0	0	0	20.88	21.50
56640	56442	56640	16QAM	1	0	0	0	20.83	21.50
55340	55340	55538	64QAM	1	0	0	0	20.31	21.00
55990	55891	56089	64QAM	1	0	0	0	20.37	21.00
56640	56442	56640	64QAM	1	0	0	0	20.28	21.00
55340	55340	55538	QPSK	50	0	0	0	20.58	21.5
55990	55891	56089	QPSK	50	0	0	0	20.63	21.5
56640	56442	56640	QPSK	50	0	0	0	20.61	21.5

CA_66B									
Combination:10MHz+10MHz(50RB+50RB)									
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset		
132072	132022	132121	QPSK	1	0	0	0	22.88	23.5
132322	132373	132472	QPSK	1	0	0	0	22.82	23.5
132572	132523	132622	QPSK	1	0	0	0	22.79	23.5
132072	132022	132121	16QAM	1	0	0	0	22.38	23
132322	132373	132472	16QAM	1	0	0	0	22.41	23
132572	132523	132622	16QAM	1	0	0	0	22.34	23
132072	132022	132121	64QAM	1	0	0	0	21.86	22.5
132322	132373	132472	64QAM	1	0	0	0	21.62	22.5
132572	132523	132622	64QAM	1	0	0	0	21.65	22.5
132072	132022	132121	QPSK	50	0	0	0	22.15	23
132322	132373	132472	QPSK	50	0	0	0	22.11	23
132572	132523	132622	QPSK	50	0	0	0	22.12	23

CA_66C									
Combination:20MHz+20MHz(100RB+100RB)									
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset		
132072	132072	132270	QPSK	1	0	0	0	22.81	23.5
132322	132323	132521	QPSK	1	0	0	0	22.84	23.5
132572	132374	132572	QPSK	1	0	0	0	22.79	23.5
132072	132072	132270	16QAM	1	0	0	0	22.36	23
132322	132323	132521	16QAM	1	0	0	0	22.41	23
132572	132374	132572	16QAM	1	0	0	0	22.34	23
132072	132072	132270	64QAM	1	0	0	0	21.85	22.5
132322	132323	132521	64QAM	1	0	0	0	21.52	22.5
132572	132374	132572	64QAM	1	0	0	0	21.58	22.5
132072	132072	132270	QPSK	50	0	0	0	22.16	23
132322	132323	132521	QPSK	50	0	0	0	22.13	23
132572	132374	132572	QPSK	50	0	0	0	22.09	23

2CC LTE Uplink												
Configure	CA Configuration	PCC					SCC				Power	
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Measured Power(dBm)	Tune-up limit(dBm)
Inter-band	CA_2A-4A	2	20	18700	1860	QPSK/1#0	4	20	20300	1745	22.72	23.5
	CA_2A-5A	2	20	18700	1860	QPSK/1#0	5	10	20600	844	22.68	23.5
	CA_2A-13A	2	20	18700	1860	QPSK/1#0	13	10	23230	782	22.61	23.5
	CA_2A-66A	2	20	18700	1860	QPSK/1#0	66	20	132572	1770	22.56	23.5
	CA_4A-5A	4	20	20050	1720	QPSK/1#0	5	10	20600	844	22.69	23.5
	CA_4A-13A	4	20	20050	1720	QPSK/1#0	13	10	23230	782	22.53	23.5
	CA_5A-66A	5	10	20450	829	QPSK/1#0	66	20	132572	1770	23.76	24.5
CA_13A-66A	13	10	23230	782	QPSK/1#0	66	20	132572	1770	23.52	24.5	



B5_n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	iddle Channel	High Channel	Tune-up
Channel				372000	376000	380000	limit
Frequency (MHz)				1860	1880	1900	(dBm)
20	DFT-s-OFDM PI/2 BPSK	1	1	23.25	23.18	23.01	24.8
20		1	53	23.28	23.18	23.05	
20		1	104	23.24	23.14	23.04	
20		50	1	23.27	23.27	23.07	24.8
20		50	25	23.34	23.25	23.06	
20		50	50	23.36	23.12	22.98	
20	DFT-s-OFDM QPSK	100	0	23.31	23.26	23.06	24.8
20		1	1	23.49	23.57	23.54	
20		1	53	23.39	23.47	23.41	
20		1	104	23.27	23.24	23.18	24.8
20		50	1	23.31	23.41	23.32	
20		50	25	23.36	23.26	23.21	
20	50	50	23.25	23.14	23.09	24.8	
20	100	0	23.32	23.24	23.13		
20	DFT-s-OFDM 16QAM	1	1	23.52	23.50	23.34	24.8
20	DFT-s-OFDM 64QAM	1	1	22.00	21.92	21.76	22.8
20	DFT-s-OFDM 256QAM	1	1	19.85	19.79	19.57	20.8
20	CP-OFDM QPSK	1	1	22.98	22.86	22.70	23.8
20	CP-OFDM 16QAM	1	1	22.30	22.21	22.02	22.8
20	CP-OFDM 64QAM	1	1	20.96	20.81	20.63	21.8
20	CP-OFDM 256QAM	1	1	17.92	17.81	17.64	18.8
Channel				371500	376000	380500	Tune-up
Frequency (MHz)				1857.5	1880	1902.5	limit
15	DFT-s-OFDM QPSK	1	1	23.33	23.23	23.05	24.8
Channel				371000	376000	381000	Tune-up
Frequency (MHz)				1855	1880	1905	limit
10	DFT-s-OFDM QPSK	1	1	23.49	23.24	23.07	24.8
Channel				370500	376000	381500	Tune-up
Frequency (MHz)				1852.5	1880	1907.5	limit
5	DFT-s-OFDM QPSK	1	1	23.46	23.28	23.18	24.8

B13_n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	24.8
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.30	23.22	23.05	24.8
20		1	53	23.29	23.23	22.97	
20		1	104	23.28	23.09	22.96	
20		50	1	23.33	23.25	23.04	24.8
20		50	25	23.39	23.26	23.12	
20		50	50	23.33	23.16	23.05	
20		100	0	23.37	23.21	23.06	
20	DFT-s-OFDM QPSK	1	1	23.40	23.55	23.29	24.8
20		1	53	23.20	23.33	23.21	
20		1	104	23.19	23.19	23.15	
20		50	1	23.31	23.40	23.25	24.8
20		50	25	23.39	23.20	23.15	
20		50	50	23.32	23.20	23.09	
20		100	0	23.37	23.21	23.12	
20	DFT-s-OFDM 16QAM	1	1	23.46	23.51	23.38	24.8
20	DFT-s-OFDM 64QAM	1	1	21.98	21.96	21.67	22.8
20	DFT-s-OFDM 256QAM	1	1	19.87	19.86	19.55	20.8
20	CP-OFDM QPSK	1	1	22.90	22.87	22.61	23.8
20	CP-OFDM 16QAM	1	1	22.30	22.39	21.99	22.8
20	CP-OFDM 64QAM	1	1	20.90	20.85	20.56	21.8
20	CP-OFDM 256QAM	1	1	17.86	17.85	17.57	18.8
Channel				371500	376000	380500	24.8
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	23.40	23.21	23.00	24.8
Channel				371000	376000	381000	24.8
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	23.41	23.31	23.12	24.8
Channel				370500	376000	381500	24.8
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	23.38	23.24	23.10	24.8

B66_n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	24.8
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.42	23.40	23.32	24.8
20		1	53	23.43	23.36	23.38	
20		1	104	23.47	23.43	23.43	
20		50	1	23.10	23.06	23.00	24.8
20		50	25	23.51	23.41	23.42	
20		50	50	23.13	23.02	23.03	
20		100	0	23.15	23.07	23.05	
20	DFT-s-OFDM QPSK	1	1	23.48	23.56	23.46	24.8
20		1	53	23.48	23.42	23.41	
20		1	104	23.46	23.39	23.44	
20		50	1	23.40	23.40	23.35	24.8
20		50	25	23.35	23.30	23.36	
20		50	50	22.52	22.51	22.56	
20		100	0	22.63	22.55	22.54	
20	DFT-s-OFDM 16QAM	1	1	22.86	22.66	22.77	23.8
20	DFT-s-OFDM 64QAM	1	1	21.26	21.22	21.13	22.8
20	DFT-s-OFDM 256QAM	1	1	19.21	19.10	19.04	19.8
20	CP-OFDM QPSK	1	1	22.06	22.14	22.05	22.8
20	CP-OFDM 16QAM	1	1	21.62	21.60	21.52	22.8
20	CP-OFDM 64QAM	1	1	20.12	20.10	20.02	20.8
20	CP-OFDM 256QAM	1	1	17.25	17.11	17.10	17.8
Channel				371500	376000	380500	24.8
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	23.48	23.45	23.44	24.8
Channel				371000	376000	381000	24.8
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	23.47	23.54	23.53	24.8
Channel				370500	376000	381500	24.8
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	23.54	23.51	23.52	24.8

B2_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	24.8
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.41	23.36	23.29	24.8
20		1	53	23.32	23.41	23.45	
20		1	104	23.31	23.22	23.29	
20		50	1	23.36	23.41	23.35	24.8
20		50	25	23.40	23.39	23.50	
20		50	50	23.41	23.37	23.39	
20		100	0	23.39	23.37	23.47	
20	DFT-s-OFDM QPSK	1	1	23.54	23.63	23.53	24.8
20		1	53	23.39	23.47	23.46	
20		1	104	23.35	23.33	23.19	
20		50	1	23.33	23.49	23.35	24.8
20		50	25	23.36	23.40	23.48	
20		50	50	23.40	23.37	23.34	
20		100	0	23.38	23.34	23.47	
20	DFT-s-OFDM 16QAM	1	1	23.61	23.55	23.58	24.8
20	DFT-s-OFDM 64QAM	1	1	22.03	22.09	22.08	22.8
20	DFT-s-OFDM 256QAM	1	1	19.87	19.92	19.88	20.8
20	CP-OFDM QPSK	1	1	22.92	22.98	22.96	23.8
20	CP-OFDM 16QAM	1	1	22.26	22.28	22.28	22.8
20	CP-OFDM 64QAM	1	1	21.07	20.99	20.93	21.8
20	CP-OFDM 256QAM	1	1	17.92	17.96	17.88	18.8
Channel				166300	167300	168300	24.8
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	23.43	23.40	23.47	24.8
Channel				165800	167300	168800	24.8
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	23.38	23.43	23.48	24.8
Channel				165300	167300	169300	24.8
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	23.54	23.41	23.42	24.8



B48_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	24.8
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.40	23.34	23.31	24.8
20		1	53	23.27	23.38	23.42	
20		1	104	23.28	23.18	23.27	
20		50	1	23.28	23.34	23.36	24.8
20		50	25	23.39	23.50	23.45	
20		50	50	23.38	23.35	23.36	
20		100	0	23.39	23.47	23.43	
20	DFT-s-OFDM QPSK	1	1	23.52	23.60	23.45	24.8
20		1	53	23.33	23.45	23.47	
20		1	104	23.34	23.39	23.30	
20		50	1	23.29	23.51	23.35	24.8
20		50	25	23.34	23.47	23.45	
20		50	50	23.38	23.37	23.34	
20		100	0	23.38	23.34	23.44	
20	DFT-s-OFDM 16QAM	1	1	23.57	23.54	23.58	24.8
20	DFT-s-OFDM 64QAM	1	1	22.07	22.09	22.01	22.8
20	DFT-s-OFDM 256QAM	1	1	19.90	19.93	19.85	20.8
20	CP-OFDM QPSK	1	1	22.89	23.00	22.92	23.8
20	CP-OFDM 16QAM	1	1	22.30	22.31	22.29	22.8
20	CP-OFDM 64QAM	1	1	20.94	20.99	20.95	21.8
20	CP-OFDM 256QAM	1	1	17.92	17.94	17.87	18.8
Channel				166300	167300	168300	24.8
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	23.41	23.42	23.44	24.8
Channel				165800	167300	168800	24.8
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	23.40	23.39	23.47	24.8
Channel				165300	167300	169300	24.8
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	23.40	23.45	23.42	24.8

B66_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	24.8
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.53	23.58	23.51	24.8
20		1	53	23.57	23.58	23.66	
20		1	104	23.62	23.53	23.52	
20		50	1	23.67	23.66	23.67	24.8
20		50	25	23.71	23.66	23.67	
20		50	50	23.64	23.72	23.64	
20		100	0	23.72	23.68	23.64	
20	DFT-s-OFDM QPSK	1	1	23.60	23.82	23.55	24.8
20		1	53	23.61	23.60	23.71	
20		1	104	23.54	23.57	23.56	
20		50	1	23.54	23.61	23.55	24.8
20		50	25	23.57	23.54	23.61	
20		50	50	23.61	23.59	23.61	
20		100	0	23.59	23.55	23.54	
20	DFT-s-OFDM 16QAM	1	1	23.81	23.78	23.75	24.8
20	DFT-s-OFDM 64QAM	1	1	22.25	22.32	22.28	22.8
20	DFT-s-OFDM 256QAM	1	1	20.22	20.25	20.16	20.8
20	CP-OFDM QPSK	1	1	23.15	23.20	23.20	23.8
20	CP-OFDM 16QAM	1	1	22.51	22.53	22.47	23.8
20	CP-OFDM 64QAM	1	1	21.19	21.22	21.16	21.8
20	CP-OFDM 256QAM	1	1	18.22	18.28	18.18	18.8
Channel				166300	167300	168300	24.8
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	23.58	23.57	23.56	24.8
Channel				165800	167300	168800	24.8
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	23.42	23.35	23.43	24.8
Channel				165300	167300	169300	24.8
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	23.49	23.44	23.41	24.8

B2_n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				345000	349000	353000	24.8
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM PI/2 BPSK	1	1	23.87	23.82	23.71	24.8
30		1	80	23.88	23.80	23.52	
30		1	158	23.77	23.54	23.52	
30		80	1	23.67	23.56	23.17	24.8
30		80	40	23.83	23.76	23.57	
30		80	80	23.53	23.33	23.32	
30		160	0	23.55	23.56	23.20	
30	DFT-s-OFDM QPSK	1	1	23.87	23.92	23.70	24.8
30		1	80	23.85	23.72	23.51	
30		1	158	23.47	23.50	23.44	
30		80	1	23.80	23.83	23.68	24.8
30		80	40	23.82	23.78	23.57	
30		80	80	22.59	22.81	22.67	
30		160	0	23.15	22.91	22.78	
30	DFT-s-OFDM 16QAM	1	1	23.32	23.22	23.06	24.8
30	DFT-s-OFDM 64QAM	1	1	20.89	21.43	21.33	22.8
30	DFT-s-OFDM 256QAM	1	1	19.54	19.37	19.38	20.8
30	CP-OFDM QPSK	1	1	22.57	22.36	22.24	23.8
30	CP-OFDM 16QAM	1	1	22.12	21.81	21.72	22.8
30	CP-OFDM 64QAM	1	1	20.59	20.40	20.35	21.8
30	CP-OFDM 256QAM	1	1	17.62	17.41	17.35	18.8
Channel				344000	349000	354000	24.8
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	23.89	23.88	23.56	24.8
Channel				343500	349000	354500	24.8
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	23.83	23.86	23.63	24.8
Channel				343000	349000	355000	24.8
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	23.70	23.87	23.76	24.8
Channel				342500	349000	355500	24.8
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	23.86	23.84	23.69	24.8

B5_n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				345000	349000	353000	24.8
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM PI/2 BPSK	1	1	23.21	23.24	23.12	24.8
30		1	80	23.26	23.18	23.15	
30		1	158	23.28	23.03	23.21	
30		80	1	23.39	23.27	23.12	24.8
30		80	40	23.33	23.15	23.22	
30		80	80	23.31	23.22	23.30	
30		160	0	23.37	23.25	23.31	
30	DFT-s-OFDM QPSK	1	1	23.31	23.56	23.40	24.8
30		1	80	23.34	23.37	23.23	
30		1	158	23.33	23.30	23.22	
30		80	1	23.28	23.39	23.18	24.8
30		80	40	23.34	23.21	23.23	
30		80	80	23.37	23.25	23.30	
30		160	0	23.37	23.25	23.26	
30	DFT-s-OFDM 16QAM	1	1	23.46	23.48	23.45	24.8
30	DFT-s-OFDM 64QAM	1	1	21.97	22.00	21.92	22.8
30	DFT-s-OFDM 256QAM	1	1	19.92	19.88	19.76	20.8
30	CP-OFDM QPSK	1	1	22.85	22.91	22.77	23.8
30	CP-OFDM 16QAM	1	1	22.24	22.27	22.21	22.8
30	CP-OFDM 64QAM	1	1	20.89	20.90	20.80	21.8
30	CP-OFDM 256QAM	1	1	17.82	17.85	17.75	18.8
Channel				344000	349000	354000	24.8
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	23.27	23.08	22.91	24.8
Channel				343500	349000	354500	24.8
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	23.23	23.29	23.24	24.8
Channel				343000	349000	355000	24.8
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	23.42	23.31	23.26	24.8
Channel				342500	349000	355500	24.8
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	23.35	23.33	23.22	24.8

B13_n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				345000	349000	353000	24.8
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM PI/2 BPSK	1	1	23.26	23.29	23.21	24.8
30		1	80	23.32	23.25	23.19	
30		1	158	23.30	23.11	23.16	
30		80	1	23.33	23.27	23.24	24.8
30		80	40	23.37	23.20	23.25	
30		80	80	23.38	23.30	23.31	
30		160	0	23.45	23.24	23.34	
30	DFT-s-OFDM QPSK	1	1	23.35	23.58	23.40	24.8
30		1	80	23.40	23.38	23.23	
30		1	158	23.26	23.34	23.26	
30		80	1	23.36	23.51	23.43	24.8
30		80	40	23.41	23.30	23.29	
30		80	80	23.42	23.26	23.33	
30		160	0	23.48	23.27	23.27	
30	DFT-s-OFDM 16QAM	1	1	23.53	23.56	23.49	24.8
30	DFT-s-OFDM 64QAM	1	1	22.02	22.02	21.93	22.8
30	DFT-s-OFDM 256QAM	1	1	19.99	19.97	19.85	20.8
30	CP-OFDM QPSK	1	1	22.93	22.95	22.83	23.8
30	CP-OFDM 16QAM	1	1	22.26	22.23	22.19	22.8
30	CP-OFDM 64QAM	1	1	20.96	20.93	20.85	21.8
30	CP-OFDM 256QAM	1	1	17.90	17.92	17.83	18.8
Channel				344000	349000	354000	24.8
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	23.08	23.25	23.21	24.8
Channel				343500	349000	354500	24.8
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	23.32	23.22	23.19	24.8
Channel				343000	349000	355000	24.8
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	23.44	23.34	23.35	24.8
Channel				342500	349000	355500	24.8
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	23.44	23.29	23.32	24.8

B2_n77(3450-3550MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		27.05		27.8
100		1	136		26.86		
100		1	271		26.60		
100		135	1		22.12		27.8
100		135	67		26.90		
100		135	136		26.09		
100		270	0		26.48		
100	DFT-s-OFDM QPSK	1	1		27.10		27.8
100		1	136		26.89		
100		1	271		26.56		
100		135	1		26.92		27.8
100		135	67		26.90		
100		135	136		25.59		
100		270	0		26.01		
100	DFT-s-OFDM 16QAM	1	1		27.06		27.8
100	DFT-s-OFDM 64QAM	1	1		24.65		25.8
100	DFT-s-OFDM 256QAM	1	1		22.38		23.8
100	CP-OFDM QPSK	1	1		25.55		26.8
100	CP-OFDM 16QAM	1	1		24.80		25.8
100	CP-OFDM 64QAM	1	1		23.58		24.8
100	CP-OFDM 256QAM	1	1		20.47		21.8
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	26.95	27.00	26.95	27.8
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	27.04	27.05	27.09	27.8
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	27.07	27.00	27.09	27.8
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	27.05	27.08	26.84	27.8
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	27.02	27.07	26.66	27.8

B5_n77(3450-3550MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		26.56		27.8
100		1	136		26.17		
100		1	271		26.04		
100		135	1		25.92		27.8
100		135	67		26.28		
100		135	136		25.47		
100		270	0		25.84		
100	DFT-s-OFDM QPSK	1	1		26.63		27.8
100		1	136		26.19		
100		1	271		25.95		
100		135	1		26.50		27.8
100		135	67		26.15		
100		135	136		25.10		
100		270	0		25.09		
100	DFT-s-OFDM 16QAM	1	1		24.69		25.8
100	DFT-s-OFDM 64QAM	1	1		23.59		24.8
100	DFT-s-OFDM 256QAM	1	1		21.57		22.8
100	CP-OFDM QPSK	1	1		24.05		24.8
100	CP-OFDM 16QAM	1	1		23.63		24.8
100	CP-OFDM 64QAM	1	1		23.15		23.8
100	CP-OFDM 256QAM	1	1		19.92		20.8
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	26.29	26.24	26.20	27.8
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	26.05	25.98	26.12	27.8
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	26.42	26.15	26.17	27.8
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	26.47	26.32	26.21	27.8
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	26.37	26.24	26.04	27.8

B13_n77(3450-3550MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		26.46		27.8
100		1	136		26.23		
100		1	271		26.03		
100		135	1		25.83		27.8
100		135	67		26.29		
100		135	136		25.41		
100		270	0		25.88		
100	DFT-s-OFDM QPSK	1	1		26.51		27.8
100		1	136		26.10		
100		1	271		25.87		
100		135	1		26.35		27.8
100		135	67		26.07		
100		135	136		24.86		
100		270	0		24.99		
100	DFT-s-OFDM 16QAM	1	1		25.60		26.8
100	DFT-s-OFDM 64QAM	1	1		24.29		25.8
100	DFT-s-OFDM 256QAM	1	1		21.46		22.8
100	CP-OFDM QPSK	1	1		23.98		24.8
100	CP-OFDM 16QAM	1	1		23.57		24.8
100	CP-OFDM 64QAM	1	1		23.08		23.8
100	CP-OFDM 256QAM	1	1		19.84		20.8
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	26.17	26.12	26.09	27.8
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	25.91	25.85	25.98	27.8
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	26.25	26.00	26.04	27.8
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	26.35	26.15	26.04	27.8
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	26.21	26.05	25.85	27.8



B66_n77(3450-3550MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		27.01		27.8
100		1	136		26.87		
100		1	271		21.72		
100		135	1		26.50		27.8
100		135	67		26.90		
100		135	136		26.07		
100		270	0		21.95		
100	DFT-s-OFDM QPSK	1	1		27.03		27.8
100		1	136		26.82		
100		1	271		21.58		
100		135	1		26.54		27.8
100		135	67		23.50		
100		135	136		25.57		
100		270	0		25.98		
100	DFT-s-OFDM 16QAM	1	1		26.12		26.8
100	DFT-s-OFDM 64QAM	1	1		24.64		25.8
100	DFT-s-OFDM 256QAM	1	1		22.56		22.8
100	CP-OFDM QPSK	1	1		25.58		26.8
100	CP-OFDM 16QAM	1	1		24.99		25.8
100	CP-OFDM 64QAM	1	1		23.63		24.8
100	CP-OFDM 256QAM	1	1		20.38		20.8
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	26.98	26.95	26.92	27.8
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	26.99	27.01	27.02	27.8
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	26.95	26.97	26.78	27.8
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	26.97	27.01	26.83	27.8
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	27.00	26.99	26.64	27.8

B2_n77(3700-3980MHz) (PC2)								
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel				650000	656000	662000	28.8	
Frequency (MHz)				3750	3840	3930		
100	DFT-s-OFDM PI/2 BPSK	1	1	27.24	26.11	25.74	28.8	
100		1	136	27.69	26.16	25.13		
100		1	271	21.57	21.38	25.72		
100		DFT-s-OFDM QPSK	135	1	27.29	26.63	26.89	28.8
100			135	67	27.60	26.30	26.12	
100			135	136	27.30	26.38	25.94	
100			270	0	27.20	26.74	26.80	
100	DFT-s-OFDM QPSK	1	1	27.49	27.70	27.40	28.8	
100		1	136	27.67	26.99	26.82		
100		1	271	27.45	26.70	26.67		
100		DFT-s-OFDM 16QAM	135	1	25.34	25.07	25.36	28.8
100			135	67	27.60	26.28	26.14	
100			135	136	21.63	21.52	21.40	
100			270	0	26.69	26.21	26.27	
100	DFT-s-OFDM 16QAM	1	1	26.37	26.08	26.61	27.8	
100	DFT-s-OFDM 64QAM	1	1	25.02	24.52	24.15	26.8	
100	DFT-s-OFDM 256QAM	1	1	22.70	22.58	22.22	23.8	
100	CP-OFDM QPSK	1	1	25.76	25.43	25.05	26.8	
100	CP-OFDM 16QAM	1	1	23.36	22.98	22.58	24.8	
100	CP-OFDM 64QAM	1	1	23.96	24.55	24.16	25.8	
100	CP-OFDM 256QAM	1	1	20.68	19.60	19.22	21.8	
Channel				649334	656000	662666	28.8	
Frequency (MHz)				3740.01	3840	3939.99		
80	DFT-s-OFDM QPSK	1	1	27.36	25.74	25.03	28.8	
Channel				648668	656000	663332	28.8	
Frequency (MHz)				3730.02	3840	3949.98		
60	DFT-s-OFDM QPSK	1	1	27.47	25.44	24.29	28.8	
Channel				648000	656000	664000	28.8	
Frequency (MHz)				3720	3840	3960		
40	DFT-s-OFDM QPSK	1	1	27.40	25.59	23.05	28.8	
Channel				647668	656000	664332	28.8	
Frequency (MHz)				3715.02	3840	3964.98		
30	DFT-s-OFDM QPSK	1	1	27.29	25.56	23.20	28.8	
Channel				647334	656000	664666	28.8	
Frequency (MHz)				3710.01	3840	3969.99		
20	DFT-s-OFDM QPSK	1	1	27.59	25.68	23.00	28.8	

B5_n77(3700-3980MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	27.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	26.48	26.08	26.26	27.8
100		1	136	25.94	25.12	25.16	
100		1	271	25.80	25.98	25.11	
100		135	1	25.91	25.58	25.66	27.8
100		135	67	25.89	25.32	25.94	
100		135	136	25.25	25.46	25.58	
100		270	0	25.59	25.76	25.51	
100	DFT-s-OFDM QPSK	1	1	26.44	26.53	26.23	27.8
100		1	136	25.90	26.10	25.01	
100		1	271	25.59	25.69	25.03	
100		135	1	25.93	26.25	25.81	27.8
100		135	67	25.96	25.30	24.96	
100		135	136	24.81	24.51	24.05	
100		270	0	25.11	24.94	24.97	
100	DFT-s-OFDM 16QAM	1	1	25.15	24.95	24.17	26.8
100	DFT-s-OFDM 64QAM	1	1	23.63	22.47	22.69	25.8
100	DFT-s-OFDM 256QAM	1	1	21.50	20.56	20.73	22.8
100	CP-OFDM QPSK	1	1	24.59	23.39	23.58	25
100	CP-OFDM 16QAM	1	1	24.11	23.94	23.17	24
100	CP-OFDM 64QAM	1	1	22.71	22.52	22.69	23
100	CP-OFDM 256QAM	1	1	19.57	19.55	19.75	19
Channel				649334	656000	662666	27.8
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	26.07	25.57	25.64	27.8
Channel				648668	656000	663332	27.8
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	26.15	25.23	25.97	27.8
Channel				648000	656000	664000	27.8
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	26.07	25.40	25.80	27.8
Channel				647668	656000	664332	27.8
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	26.38	25.41	25.95	27.8
Channel				647334	656000	664666	27.8
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	26.31	25.54	25.66	27.8

B13_n77(3700-3980MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	27.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	26.02	26.00	26.19	27.8
100		1	136	25.91	26.12	25.93	
100		1	271	25.68	25.92	26.03	
100		135	1	25.95	25.46	25.60	27.8
100		135	67	25.99	26.25	25.91	
100		135	136	25.30	25.38	25.52	
100		270	0	25.60	25.70	25.43	
100	DFT-s-OFDM QPSK	1	1	26.33	26.39	26.07	27.8
100		1	136	25.97	25.03	24.84	
100		1	271	25.62	24.84	24.99	
100		135	1	26.01	26.09	25.69	27.8
100		135	67	25.97	25.19	24.90	
100		135	136	24.81	25.08	25.01	
100		270	0	25.08	24.96	24.72	
100	DFT-s-OFDM 16QAM	1	1	25.11	25.32	25.19	26.8
100	DFT-s-OFDM 64QAM	1	1	23.59	23.43	22.66	24.8
100	DFT-s-OFDM 256QAM	1	1	21.58	21.49	20.70	22.8
100	CP-OFDM QPSK	1	1	24.63	24.32	23.53	25.8
100	CP-OFDM 16QAM	1	1	24.13	23.87	23.13	24.8
100	CP-OFDM 64QAM	1	1	22.67	22.38	22.54	23.8
100	CP-OFDM 256QAM	1	1	19.58	19.48	19.70	20.8
Channel				649334	656000	662666	27.8
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	25.93	25.48	24.55	27.8
Channel				648668	656000	663332	27.8
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	26.11	25.74	25.90	27.8
Channel				648000	656000	664000	27.8
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	26.37	25.29	25.70	27.8
Channel				647668	656000	664332	27.8
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	26.03	25.31	25.85	27.8
Channel				647334	656000	664666	27.8
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	26.21	25.41	25.57	27.8

B66_n77(3700-3980MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	27.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	27.14	26.05	25.69	27.8
100		1	136	27.23	26.10	25.09	
100		1	271	25.98	25.37	25.67	
100		135	1	27.12	26.56	25.08	27.8
100		135	67	27.02	26.53	25.10	
100		135	136	27.31	26.34	26.89	
100		270	0	27.21	26.69	26.75	
100	DFT-s-OFDM QPSK	1	1	27.19	27.33	27.26	27.8
100		1	136	27.12	26.03	26.00	
100		1	271	27.22	26.65	26.64	
100		135	1	26.85	26.89	26.72	27.8
100		135	67	27.11	25.23	25.10	
100		135	136	26.70	25.81	25.35	
100		270	0	26.71	25.17	25.23	
100	DFT-s-OFDM 16QAM	1	1	26.36	26.45	25.84	26.8
100	DFT-s-OFDM 64QAM	1	1	23.23	23.45	23.14	24.8
100	DFT-s-OFDM 256QAM	1	1	19.88	20.56	20.18	21.8
100	CP-OFDM QPSK	1	1	23.77	23.50	23.32	24.8
100	CP-OFDM 16QAM	1	1	23.28	23.43	22.56	24.8
100	CP-OFDM 64QAM	1	1	20.05	22.48	22.13	23.8
100	CP-OFDM 256QAM	1	1	20.71	19.54	19.18	21.8
Channel				649334	656000	662666	27.8
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	25.37	25.64	24.93	27.8
Channel				648668	656000	663332	27.8
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	25.39	25.33	24.20	27.8
Channel				648000	656000	664000	27.8
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	25.79	25.47	24.92	27.8
Channel				647668	656000	664332	27.8
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	25.62	25.42	25.07	27.8
Channel				647334	656000	664666	27.8
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	25.58	25.59	25.31	27.8



## Reduced Power Level 1 for rANT 4

Band 48 ANT 4 (3.5G Band) (dBm)									Tune-up limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Middle-Low Channel	Middle-Low Channel	Middle-High Channel	High Channel	
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	18.71	18.74	18.85	18.73	18.69	19.8
20	QPSK	1	49	18.67	18.68	18.75	18.70	18.64	
20	QPSK	1	99	18.58	18.73	18.69	18.65	18.74	
20	QPSK	50	0	17.71	17.80	17.84	17.75	17.76	18.8
20	QPSK	50	24	17.75	17.79	17.69	17.67	17.61	
20	QPSK	50	50	17.70	17.61	17.72	17.60	17.56	
20	QPSK	100	0	17.65	17.61	17.70	17.57	17.57	18.8
20	16QAM	1	0	17.92	17.94	17.97	17.88	17.92	
20	16QAM	1	49	17.91	17.85	17.92	17.77	17.74	
20	16QAM	1	99	17.80	17.67	17.90	17.69	17.86	17.8
20	16QAM	50	0	16.82	16.85	16.87	16.74	16.69	
20	16QAM	50	24	16.60	16.59	16.60	16.73	16.77	
20	16QAM	50	50	16.66	16.62	16.69	16.76	16.81	17.8
20	16QAM	100	0	16.50	16.55	16.74	16.62	16.51	
20	64QAM	1	0	16.74	16.86	16.94	16.91	16.67	
20	64QAM	1	49	16.77	16.72	16.64	16.73	16.90	16.8
20	64QAM	1	99	16.64	16.69	16.70	16.85	16.90	
20	64QAM	50	0	15.55	15.57	15.79	15.78	15.63	
20	64QAM	50	24	15.72	15.48	15.69	15.61	15.57	16.8
20	64QAM	50	50	15.53	15.58	15.65	15.55	15.65	
20	64QAM	100	0	15.67	15.56	15.71	15.68	15.52	
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	18.69	18.80	18.83	18.82	18.75	
15	QPSK	1	37	18.71	18.59	18.78	18.78	18.76	
15	QPSK	1	74	18.73	18.69	18.68	18.59	18.70	
15	QPSK	36	0	17.61	17.84	17.88	17.68	17.78	18.8
15	QPSK	36	20	17.70	17.78	17.70	17.62	17.58	
15	QPSK	36	39	17.57	17.70	17.68	17.59	17.54	
15	QPSK	75	0	17.70	17.63	17.68	17.73	17.73	18.8
15	16QAM	1	0	17.91	17.88	18.00	17.97	17.82	
15	16QAM	1	37	17.78	17.97	17.82	17.70	17.83	
15	16QAM	1	74	17.83	17.67	17.87	17.80	17.85	17.8
15	16QAM	36	0	16.74	16.71	16.79	16.59	16.72	
15	16QAM	36	20	16.70	16.65	16.53	16.68	16.78	
15	16QAM	36	39	16.60	16.55	16.54	16.64	16.78	17.8
15	16QAM	75	0	16.57	16.64	16.82	16.53	16.65	
15	64QAM	1	0	16.65	16.84	16.90	16.66	16.76	
15	64QAM	1	37	16.55	16.65	16.71	16.71	16.87	17.8
15	64QAM	1	74	16.78	16.57	16.66	16.74	16.88	
15	64QAM	36	0	15.69	15.57	15.72	15.65	15.69	
15	64QAM	36	20	15.58	15.62	15.81	15.50	15.61	16.8
15	64QAM	36	39	15.53	15.53	15.61	15.69	15.56	
15	64QAM	75	0	15.67	15.58	15.67	15.70	15.58	
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	18.76	18.78	18.80	18.65	18.67	
10	QPSK	1	25	18.58	18.76	18.65	18.75	18.67	
10	QPSK	1	49	18.68	18.54	18.67	18.70	18.67	
10	QPSK	25	0	17.71	17.77	17.86	17.70	17.72	18.8
10	QPSK	25	12	17.71	17.73	17.60	17.60	17.58	
10	QPSK	25	25	17.54	17.77	17.66	17.58	17.52	
10	QPSK	50	0	17.69	17.69	17.92	17.61	17.81	18.8
10	16QAM	1	0	17.75	17.84	17.91	17.90	17.90	
10	16QAM	1	25	17.86	17.92	17.83	17.70	17.89	
10	16QAM	1	49	17.77	17.92	17.85	17.77	17.94	17.8
10	16QAM	25	0	16.84	16.85	16.86	16.70	16.57	
10	16QAM	25	12	16.75	16.76	16.50	16.64	16.60	
10	16QAM	25	25	16.63	16.61	16.73	16.65	16.73	17.8
10	16QAM	50	0	16.54	16.58	16.72	16.51	16.46	
10	64QAM	1	0	16.72	16.77	16.83	16.73	16.76	
10	64QAM	1	25	16.66	16.63	16.65	16.85	16.74	17.8
10	64QAM	1	49	16.68	16.55	16.73	16.72	16.78	
10	64QAM	25	0	15.68	15.67	15.69	15.66	15.76	
10	64QAM	25	12	15.71	15.64	15.84	15.57	15.51	16.8
10	64QAM	25	25	15.66	15.60	15.59	15.65	15.65	
10	64QAM	50	0	15.54	15.55	15.79	15.68	15.52	
Channel				55265	55810	55990	56170	56175	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	18.58	18.75	18.81	18.65	18.60	
5	QPSK	1	12	18.64	18.60	18.70	18.73	18.55	
5	QPSK	1	24	18.65	18.73	18.78	18.68	18.66	
5	QPSK	12	0	17.61	17.73	17.84	17.82	17.74	18.8
5	QPSK	12	7	17.87	17.89	17.57	17.72	17.64	
5	QPSK	12	13	17.55	17.55	17.63	17.56	17.61	
5	QPSK	25	0	17.72	17.65	17.75	17.69	17.68	18.8
5	16QAM	1	0	17.84	17.89	18.01	17.85	17.79	
5	16QAM	1	12	17.91	18.00	17.83	17.79	17.73	
5	16QAM	1	24	17.89	17.78	17.94	17.88	17.81	17.8
5	16QAM	12	0	16.82	16.70	16.79	16.69	16.58	
5	16QAM	12	7	16.65	16.53	16.57	16.66	16.66	
5	16QAM	12	13	16.59	16.56	16.58	16.72	16.72	17.8
5	16QAM	25	0	16.43	16.50	16.75	16.60	16.58	
5	64QAM	1	0	16.66	16.71	16.97	16.83	16.80	
5	64QAM	1	12	16.65	16.63	16.68	16.93	16.74	17.8
5	64QAM	1	24	16.77	16.58	16.67	16.71	16.79	
5	64QAM	12	0	15.79	15.77	15.79	15.78	15.65	
5	64QAM	12	7	15.56	15.56	15.77	15.59	15.59	16.8
5	64QAM	12	13	15.55	15.69	15.60	15.54	15.55	
5	64QAM	25	0	15.52	15.65	15.62	15.66	15.71	

CA_48C Receiver on For Head									
Combination:20MHz+20MHz(100RB+100RB)									
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset		
55340	55340	55538	QPSK	1	0	0	0	18.39	19.00
55990	55891	56089	QPSK	1	0	0	0	18.42	19.00
56640	56442	56640	QPSK	1	0	0	0	18.37	19.00
55340	55340	55538	16QAM	1	0	0	0	17.79	18.50
55990	55891	56089	16QAM	1	0	0	0	17.88	18.50
56640	56442	56640	16QAM	1	0	0	0	17.83	18.50
55340	55340	55538	64QAM	1	0	0	0	17.31	18.00
55990	55891	56089	64QAM	1	0	0	0	17.37	18.00
56640	56442	56640	64QAM	1	0	0	0	17.28	18.00
55340	55340	55538	QPSK	50	0	0	0	17.58	18.5
55990	55891	56089	QPSK	50	0	0	0	17.63	18.5
56640	56442	56640	QPSK	50	0	0	0	17.61	18.5



## Reduced Power Level 2 for ANT 3

## Band 7 ANT 3 (2600MHz Band) (dBm)

## Part 27

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	17.93	18.04	17.99	18.8
20	QPSK	1	49	17.87	18.00	17.94	
20	QPSK	1	99	17.84	17.88	17.81	
20	QPSK	50	0	16.97	17.06	17.00	17.8
20	QPSK	50	24	16.98	17.00	16.94	
20	QPSK	50	50	16.79	16.95	16.77	
20	QPSK	100	0	16.79	16.88	16.95	17.8
20	16QAM	1	0	17.08	17.24	17.15	
20	16QAM	1	49	17.07	17.23	17.13	
20	16QAM	1	99	17.07	17.14	17.13	16.8
20	16QAM	50	0	15.97	16.19	15.91	
20	16QAM	50	24	15.95	15.93	16.00	
20	16QAM	50	50	15.88	15.99	15.93	16.8
20	16QAM	100	0	15.64	15.97	15.91	
20	64QAM	1	0	16.13	16.29	16.03	
20	64QAM	1	49	16.01	15.93	16.12	16.8
20	64QAM	1	99	15.80	15.97	16.07	
20	64QAM	50	0	14.98	14.94	15.04	
20	64QAM	50	24	14.88	14.94	14.78	15.8
20	64QAM	50	50	14.84	14.81	14.79	
20	64QAM	100	0	14.90	15.08	14.89	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	17.97	18.00	17.99	18.8
15	QPSK	1	37	17.96	17.87	17.91	
15	QPSK	1	74	17.84	17.89	17.81	
15	QPSK	36	0	16.96	16.99	16.92	17.8
15	QPSK	36	20	16.94	16.93	16.77	
15	QPSK	36	39	16.85	16.90	16.93	
15	QPSK	75	0	16.77	16.90	16.83	17.8
15	16QAM	1	0	17.22	17.29	17.20	
15	16QAM	1	37	17.19	17.25	17.18	
15	16QAM	1	74	17.07	17.07	17.04	16.8
15	16QAM	36	0	16.03	16.05	15.96	
15	16QAM	36	20	15.83	15.73	15.85	
15	16QAM	36	39	15.90	15.79	15.91	16.8
15	16QAM	75	0	15.66	15.97	15.91	
15	64QAM	1	0	16.10	16.20	15.99	
15	64QAM	1	37	16.03	15.95	16.16	16.8
15	64QAM	1	74	15.98	15.90	16.17	
15	64QAM	36	0	14.98	15.00	14.93	
15	64QAM	36	20	14.90	14.90	14.78	15.8
15	64QAM	36	39	14.96	14.89	14.79	
15	64QAM	75	0	14.76	15.07	15.00	
Channel				20800	21100	21400	
Frequency (MHz)				2605	2535	2565	
10	QPSK	1	0	17.86	18.01	17.95	18.8
10	QPSK	1	25	17.92	17.84	17.91	
10	QPSK	1	49	17.80	17.88	17.86	
10	QPSK	25	0	17.03	17.08	17.02	17.8
10	QPSK	25	12	16.94	16.88	16.96	
10	QPSK	25	25	16.91	16.90	16.89	
10	QPSK	50	0	16.84	16.82	16.98	17.8
10	16QAM	1	0	17.16	17.26	17.17	
10	16QAM	1	25	17.08	17.08	17.06	
10	16QAM	1	49	17.14	17.25	17.15	16.8
10	16QAM	25	0	15.98	16.08	15.98	
10	16QAM	25	12	15.98	15.74	15.83	
10	16QAM	25	25	15.84	15.82	15.96	16.8
10	16QAM	50	0	15.63	15.92	15.84	
10	64QAM	1	0	16.02	16.17	16.13	
10	64QAM	1	25	15.95	15.80	16.16	16.8
10	64QAM	1	49	16.05	15.82	16.11	
10	64QAM	25	0	14.85	14.92	15.08	
10	64QAM	25	12	14.90	14.98	14.87	15.8
10	64QAM	25	25	14.71	14.84	14.79	
10	64QAM	50	0	14.76	14.92	14.86	
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	17.97	17.99	17.91	18.8
5	QPSK	1	12	17.92	17.85	17.92	
5	QPSK	1	24	17.90	17.87	17.84	
5	QPSK	12	0	16.87	17.02	16.93	17.8
5	QPSK	12	7	16.93	16.79	16.77	
5	QPSK	12	13	16.87	16.95	16.79	
5	QPSK	25	0	16.95	16.89	16.96	17.8
5	16QAM	1	0	17.22	17.30	17.15	
5	16QAM	1	12	17.16	17.20	17.03	
5	16QAM	1	24	17.05	17.06	17.05	16.8
5	16QAM	12	0	15.99	16.01	15.87	
5	16QAM	12	7	15.79	15.98	15.95	
5	16QAM	12	13	15.87	15.88	15.93	16.8
5	16QAM	25	0	15.83	16.01	15.87	
5	64QAM	1	0	16.11	16.17	16.00	
5	64QAM	1	12	15.82	16.00	16.09	16.8
5	64QAM	1	24	15.80	15.99	15.95	
5	64QAM	12	0	15.03	15.05	14.96	
5	64QAM	12	7	14.87	14.89	14.82	15.8
5	64QAM	12	13	14.77	14.91	14.87	
5	64QAM	25	0	14.94	14.91	14.89	



3	64QAM	1	8	17.78	17.61	17.84	18.8
3	64QAM	1	14	17.78	17.69	17.87	
3	64QAM	8	0	16.71	16.76	16.73	
3	64QAM	8	4	16.71	16.89	16.64	17.8
3	64QAM	8	7	16.56	16.54	16.56	
3	64QAM	15	0	16.64	16.79	16.59	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.72	19.80	19.74	20.8
1.4	QPSK	1	3	19.66	19.70	19.78	
1.4	QPSK	1	5	19.72	19.73	19.57	
1.4	QPSK	3	0	18.86	18.88	18.80	
1.4	QPSK	3	1	18.83	18.83	18.82	
1.4	QPSK	3	3	18.83	18.85	18.81	
1.4	QPSK	6	0	18.70	18.69	18.73	19.8
1.4	16QAM	1	0	19.05	19.03	18.88	19.8
1.4	16QAM	1	3	18.82	18.99	18.94	
1.4	16QAM	1	5	18.86	18.94	18.85	
1.4	16QAM	3	0	17.83	17.90	17.80	
1.4	16QAM	3	1	17.84	17.87	17.85	
1.4	16QAM	3	3	17.81	17.80	17.83	
1.4	16QAM	6	0	17.47	17.68	17.57	18.8
1.4	64QAM	1	0	17.71	17.90	17.74	18.8
1.4	64QAM	1	3	17.66	17.62	17.82	
1.4	64QAM	1	5	17.72	17.70	17.70	
1.4	64QAM	3	0	16.87	16.94	16.88	
1.4	64QAM	3	1	16.81	16.89	16.86	
1.4	64QAM	3	3	16.85	16.82	16.81	
1.4	64QAM	6	0	16.71	16.79	16.67	17.8

3	64QAM	1	8	17.83	17.83	17.81	18.8
3	64QAM	1	14	17.72	17.72	17.76	
3	64QAM	8	0	16.69	16.70	16.72	
3	64QAM	8	4	16.59	16.77	16.66	17.8
3	64QAM	8	7	16.72	16.60	16.65	
3	64QAM	15	0	16.62	16.78	16.76	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.81	19.86	19.70	20.8
1.4	QPSK	1	3	19.81	19.68	19.69	
1.4	QPSK	1	5	19.55	19.76	19.81	
1.4	QPSK	3	0	18.87	18.88	18.85	
1.4	QPSK	3	1	18.82	18.82	18.80	
1.4	QPSK	3	3	18.80	18.81	18.82	
1.4	QPSK	6	0	18.70	18.74	18.66	19.8
1.4	16QAM	1	0	18.94	19.03	18.85	19.8
1.4	16QAM	1	3	18.92	18.97	18.75	
1.4	16QAM	1	5	18.84	18.99	18.86	
1.4	16QAM	3	0	17.73	17.97	17.67	
1.4	16QAM	3	1	17.82	17.68	17.80	
1.4	16QAM	3	3	17.62	17.74	17.68	
1.4	16QAM	6	0	17.69	17.80	17.61	18.8
1.4	64QAM	1	0	17.71	17.90	17.85	18.8
1.4	64QAM	1	3	17.77	17.73	17.75	
1.4	64QAM	1	5	17.68	17.71	17.93	
1.4	64QAM	3	0	16.61	16.73	16.79	
1.4	64QAM	3	1	16.59	16.82	16.69	
1.4	64QAM	3	3	16.69	16.61	16.56	
1.4	64QAM	6	0	16.62	16.71	16.79	17.8



B5_n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	20.8
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.75	19.68	19.51	20.8
20		1	53	19.78	19.68	19.55	
20		1	104	19.74	19.64	19.54	
20		50	1	19.77	19.77	19.57	20.8
20		50	25	19.84	19.75	19.56	
20		50	50	19.86	19.62	19.48	
20		100	0	19.81	19.76	19.56	
20	DFT-s-OFDM QPSK	1	1	19.99	20.07	20.04	20.8
20		1	53	19.89	19.97	19.91	
20		1	104	19.77	19.74	19.68	
20		50	1	19.81	19.91	19.82	20.8
20		50	25	19.86	19.76	19.71	
20		50	50	19.75	19.64	19.59	
20		100	0	19.82	19.74	19.63	
20	DFT-s-OFDM 16QAM	1	1	20.02	20.00	19.84	20.80
20	DFT-s-OFDM 64QAM	1	1	18.50	18.42	18.26	19.80
20	DFT-s-OFDM 256QAM	1	1	16.35	16.29	16.07	16.80
20	CP-OFDM QPSK	1	1	19.48	19.36	19.20	19.80
20	CP-OFDM 16QAM	1	1	18.80	18.71	18.52	19.80
20	CP-OFDM 64QAM	1	1	17.46	17.31	17.13	17.80
20	CP-OFDM 256QAM	1	1	14.42	14.31	14.14	14.80
Channel				371500	376000	380500	20.80
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	19.83	19.73	19.55	20.80
Channel				371000	376000	381000	20.80
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	19.99	19.74	19.57	20.80
Channel				370500	376000	381500	20.80
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	19.96	19.78	19.68	20.80

B13_n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	20.8
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.80	19.72	19.55	20.8
20		1	53	19.79	19.73	19.47	
20		1	104	19.78	19.59	19.46	
20		50	1	19.83	19.75	19.54	20.8
20		50	25	19.89	19.76	19.62	
20		50	50	19.83	19.66	19.55	
20		100	0	19.87	19.71	19.56	
20	DFT-s-OFDM QPSK	1	1	19.90	20.05	19.79	20.8
20		1	53	19.70	19.83	19.71	
20		1	104	19.69	19.69	19.65	
20		50	1	19.81	19.90	19.75	20.8
20		50	25	19.89	19.70	19.65	
20		50	50	19.82	19.70	19.59	
20		100	0	19.87	19.71	19.62	
20	DFT-s-OFDM 16QAM	1	1	19.96	20.01	19.88	20.80
20	DFT-s-OFDM 64QAM	1	1	18.48	18.46	18.17	18.80
20	DFT-s-OFDM 256QAM	1	1	16.37	16.36	16.05	16.80
20	CP-OFDM QPSK	1	1	19.40	19.37	19.11	19.80
20	CP-OFDM 16QAM	1	1	18.80	18.89	18.49	19.80
20	CP-OFDM 64QAM	1	1	17.40	17.35	17.06	17.80
20	CP-OFDM 256QAM	1	1	14.36	14.35	14.07	14.80
Channel				371500	376000	380500	20.80
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	19.90	19.71	19.50	20.80
Channel				371000	376000	381000	20.80
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	19.91	19.81	19.62	20.80
Channel				370500	376000	381500	20.80
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	19.88	19.74	19.60	20.80

B66_n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	20.8
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.92	19.90	19.82	20.8
20		1	53	19.93	19.86	19.88	
20		1	104	19.97	19.93	19.93	
20		50	1	19.60	19.56	19.50	20.8
20		50	25	20.01	19.91	19.92	
20		50	50	19.63	19.52	19.53	
20		100	0	19.65	19.57	19.55	
20	DFT-s-OFDM QPSK	1	1	19.98	20.06	19.96	20.8
20		1	53	19.98	19.92	19.91	
20		1	104	19.96	19.89	19.94	
20		50	1	19.90	16.40	19.85	20.8
20		50	25	19.85	19.80	19.86	
20		50	50	19.02	19.01	19.06	
20		100	0	19.13	19.05	19.04	
20	DFT-s-OFDM 16QAM	1	1	19.36	19.16	19.27	19.80
20	DFT-s-OFDM 64QAM	1	1	17.76	17.72	17.63	18.80
20	DFT-s-OFDM 256QAM	1	1	15.71	15.60	15.54	16.80
20	CP-OFDM QPSK	1	1	18.56	18.64	18.55	19.80
20	CP-OFDM 16QAM	1	1	18.12	18.10	18.02	18.80
20	CP-OFDM 64QAM	1	1	16.62	16.60	16.52	17.80
20	CP-OFDM 256QAM	1	1	13.75	13.61	13.60	14.80
Channel				371500	376000	380500	20.80
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	19.98	19.95	19.94	20.80
Channel				371000	376000	381000	20.80
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	19.97	20.04	20.03	20.80
Channel				370500	376000	381500	20.80
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	20.04	20.01	20.02	20.80

B2_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	20.8
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.91	19.86	19.79	20.8
20		1	53	19.82	19.91	19.95	
20		1	104	19.81	19.72	19.79	
20		50	1	19.86	19.91	19.85	20.8
20		50	25	19.90	19.89	20.00	
20		50	50	19.91	19.87	19.89	
20		100	0	19.89	19.87	19.97	
20	DFT-s-OFDM QPSK	1	1	20.04	20.13	20.03	20.8
20		1	53	19.89	19.97	19.96	
20		1	104	19.85	19.83	19.69	
20		50	1	19.83	19.99	19.85	20.8
20		50	25	19.86	19.90	19.98	
20		50	50	19.90	19.87	19.84	
20		100	0	19.88	19.84	19.97	
20	DFT-s-OFDM 16QAM	1	1	20.11	20.05	20.08	20.80
20	DFT-s-OFDM 64QAM	1	1	18.53	18.59	18.58	19.80
20	DFT-s-OFDM 256QAM	1	1	16.37	16.42	16.38	16.80
20	CP-OFDM QPSK	1	1	19.42	19.48	19.46	19.80
20	CP-OFDM 16QAM	1	1	18.76	18.78	18.78	19.80
20	CP-OFDM 64QAM	1	1	17.57	17.49	17.43	18.80
20	CP-OFDM 256QAM	1	1	14.42	14.46	14.38	14.80
Channel				166300	167300	168300	20.80
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	19.93	19.90	19.97	20.80
Channel				165800	167300	168800	20.80
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	19.88	19.93	19.98	20.80
Channel				165300	167300	169300	20.80
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	20.04	19.91	19.92	20.80



B48_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	20.8
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.90	19.84	19.81	20.8
20		1	53	19.77	19.88	19.92	
20		1	104	19.78	19.68	19.77	
20		50	1	19.78	19.84	19.86	20.8
20		50	25	19.89	20.00	19.95	
20		50	50	19.88	19.85	19.86	
20		100	0	19.89	19.97	19.93	
20	DFT-s-OFDM QPSK	1	1	20.02	20.10	19.95	20.8
20		1	53	19.83	19.95	19.97	
20		1	104	19.84	19.89	19.80	
20		50	1	19.79	20.01	19.85	20.8
20		50	25	19.84	19.97	19.95	
20		50	50	19.88	19.87	19.84	
20		100	0	19.88	19.84	19.94	
20	DFT-s-OFDM 16QAM	1	1	20.07	20.04	20.08	20.80
20	DFT-s-OFDM 64QAM	1	1	18.57	18.59	18.51	19.80
20	DFT-s-OFDM 256QAM	1	1	16.40	16.43	16.35	16.80
20	CP-OFDM QPSK	1	1	19.39	19.50	19.42	20.80
20	CP-OFDM 16QAM	1	1	18.80	18.81	18.79	19.80
20	CP-OFDM 64QAM	1	1	17.44	17.49	17.45	17.80
20	CP-OFDM 256QAM	1	1	14.42	14.44	14.37	14.80
Channel				166300	167300	168300	20.80
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	19.91	19.92	19.94	20.80
Channel				165800	167300	168800	20.80
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	19.90	19.89	19.97	20.80
Channel				165300	167300	169300	20.80
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	19.90	19.95	19.92	20.80

B66_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	20.8
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	20.03	20.08	20.01	20.8
20		1	53	20.07	20.08	20.16	
20		1	104	20.12	20.03	20.02	
20		50	1	20.17	20.16	20.17	20.8
20		50	25	20.21	20.16	20.17	
20		50	50	20.14	20.22	20.14	
20		100	0	20.22	20.18	20.14	
20	DFT-s-OFDM QPSK	1	1	20.10	20.32	20.05	20.8
20		1	53	20.11	20.10	20.21	
20		1	104	20.04	20.07	20.06	
20		50	1	20.04	20.11	20.05	20.8
20		50	25	20.07	20.04	20.11	
20		50	50	20.11	20.09	20.11	
20		100	0	20.09	20.05	20.04	
20	DFT-s-OFDM 16QAM	1	1	20.31	20.28	20.25	20.80
20	DFT-s-OFDM 64QAM	1	1	18.75	18.82	18.78	19.80
20	DFT-s-OFDM 256QAM	1	1	16.72	16.75	16.66	17.80
20	CP-OFDM QPSK	1	1	19.65	19.70	19.70	20.80
20	CP-OFDM 16QAM	1	1	19.01	19.03	18.97	19.80
20	CP-OFDM 64QAM	1	1	17.69	17.72	17.66	18.80
20	CP-OFDM 256QAM	1	1	14.72	14.78	14.68	15.80
Channel				166300	167300	168300	20.80
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	20.08	20.07	20.06	20.80
Channel				165800	167300	168800	20.80
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	19.92	19.85	19.93	20.80
Channel				165300	167300	169300	20.80
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	19.99	19.94	19.91	20.80

B2_n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				345000	349000	353000	20.8
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM PI/2 BPSK	1	1	20.17	20.12	20.01	20.8
30		1	80	20.18	20.10	19.82	
30		1	158	20.07	19.84	19.82	
30		80	1	19.97	19.86	19.47	20.8
30		80	40	20.13	20.06	19.87	
30		80	80	19.83	19.63	19.62	
30		160	0	19.85	19.86	19.50	
30	DFT-s-OFDM QPSK	1	1	20.17	20.22	20.00	20.8
30		1	80	20.15	20.02	19.81	
30		1	158	19.77	19.80	19.74	
30		80	1	20.10	20.13	19.98	20.8
30		80	40	20.12	20.08	19.87	
30		80	80	18.89	19.11	18.97	
30		160	0	19.45	19.21	19.08	
30	DFT-s-OFDM 16QAM	1	1	19.62	19.52	19.36	20.80
30	DFT-s-OFDM 64QAM	1	1	17.19	17.73	17.63	18.80
30	DFT-s-OFDM 256QAM	1	1	15.84	15.67	15.68	16.80
30	CP-OFDM QPSK	1	1	18.87	18.66	18.54	19.80
30	CP-OFDM 16QAM	1	1	18.42	18.11	18.02	18.80
30	CP-OFDM 64QAM	1	1	16.89	16.70	16.65	17.80
30	CP-OFDM 256QAM	1	1	13.92	13.71	13.65	14.80
Channel				344000	349000	354000	20.80
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	20.19	20.18	19.86	20.80
Channel				343500	349000	354500	20.80
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	20.13	20.16	19.93	20.80
Channel				343000	349000	355000	20.80
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	20.00	20.17	20.06	20.80
Channel				342500	349000	355500	20.80
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	20.16	20.14	19.99	20.80

B5_n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				345000	349000	353000	20.8
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM PI/2 BPSK	1	1	19.71	19.74	19.62	20.8
30		1	80	19.76	19.68	19.65	
30		1	158	19.78	19.53	19.71	
30		80	1	19.89	19.77	19.62	20.8
30		80	40	19.83	19.65	19.72	
30		80	80	19.81	19.72	19.80	
30		160	0	19.87	19.75	19.81	
30	DFT-s-OFDM QPSK	1	1	19.81	20.06	19.90	20.8
30		1	80	19.84	19.87	19.73	
30		1	158	19.83	19.80	19.72	
30		80	1	19.78	19.89	19.68	20.8
30		80	40	19.84	19.71	19.73	
30		80	80	19.87	19.75	19.80	
30		160	0	19.87	19.75	19.76	
30	DFT-s-OFDM 16QAM	1	1	19.96	19.98	19.95	20.80
30	DFT-s-OFDM 64QAM	1	1	18.47	18.50	18.42	19.80
30	DFT-s-OFDM 256QAM	1	1	16.42	16.38	16.26	16.80
30	CP-OFDM QPSK	1	1	19.35	19.41	19.27	19.80
30	CP-OFDM 16QAM	1	1	18.74	18.77	18.71	19.80
30	CP-OFDM 64QAM	1	1	17.39	17.40	17.30	17.80
30	CP-OFDM 256QAM	1	1	14.32	14.35	14.25	14.80
Channel				344000	349000	354000	20.80
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	19.77	19.58	19.41	20.80
Channel				343500	349000	354500	20.80
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	19.73	19.79	19.74	20.80
Channel				343000	349000	355000	20.80
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	19.92	19.81	19.76	20.80
Channel				342500	349000	355500	20.80
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	19.85	19.83	19.72	20.80

B13_n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				345000	349000	353000	20.8
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM PI/2 BPSK	1	1	19.76	19.79	19.71	20.8
30		1	80	19.82	19.75	19.69	
30		1	158	19.80	19.61	19.66	
30		80	1	19.83	19.77	19.74	20.8
30		80	40	19.87	19.70	19.75	
30		80	80	19.88	19.80	19.81	
30		160	0	19.95	19.74	19.84	
30	DFT-s-OFDM QPSK	1	1	19.85	20.08	19.90	20.8
30		1	80	19.90	19.88	19.73	
30		1	158	19.76	19.84	19.76	
30		80	1	19.86	20.01	19.93	20.8
30		80	40	19.91	19.80	19.79	
30		80	80	19.92	19.76	19.83	
30		160	0	19.98	19.77	19.77	
30	DFT-s-OFDM 16QAM	1	1	20.03	20.06	19.99	20.80
30	DFT-s-OFDM 64QAM	1	1	18.52	18.52	18.43	19.80
30	DFT-s-OFDM 256QAM	1	1	16.49	16.47	16.35	16.80
30	CP-OFDM QPSK	1	1	19.43	19.45	19.33	19.80
30	CP-OFDM 16QAM	1	1	18.76	18.73	18.69	19.80
30	CP-OFDM 64QAM	1	1	17.46	17.43	17.35	17.80
30	CP-OFDM 256QAM	1	1	14.40	14.42	14.33	14.80
Channel				344000	349000	354000	20.80
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	19.58	19.75	19.71	20.80
Channel				343500	349000	354500	20.80
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	19.82	19.72	19.69	20.80
Channel				343000	349000	355000	20.80
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	19.94	19.84	19.85	20.80
Channel				342500	349000	355500	20.80
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	19.94	19.79	19.82	20.80

B2_n77(3450-3550MHz) (PC2)Ant 10_18dB							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		18.05		18.8
100		1	136		17.86		
100		1	271		17.60		
100		135	1		13.12		18.8
100		135	67		17.90		
100		135	136		17.09		
100		270	0		17.48		
100	DFT-s-OFDM QPSK	1	1		18.10		18.8
100		1	136		17.89		
100		1	271		17.56		
100		135	1		17.92		18.8
100		135	67		17.90		
100		135	136		16.59		
100		270	0		17.01		
100	DFT-s-OFDM 16QAM	1	1		18.06		18.80
100	DFT-s-OFDM 64QAM	1	1		15.65		16.80
100	DFT-s-OFDM 256QAM	1	1		13.38		13.80
100	CP-OFDM QPSK	1	1		16.55		17.80
100	CP-OFDM 16QAM	1	1		15.80		16.80
100	CP-OFDM 64QAM	1	1		14.58		15.80
100	CP-OFDM 256QAM	1	1		11.47		11.80
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	17.95	18.00	17.95	18.80
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	18.04	18.05	18.09	18.80
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	18.07	18.00	18.09	18.80
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	18.05	18.08	17.84	18.80
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	18.02	18.07	17.66	18.80

B5_n77(3450-3550MHz) (PC2)_Ant 10_18dB							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		18.8
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		18.06		18.8
100		1	136		17.67		
100		1	271		17.54		
100		135	1		17.42		18.8
100		135	67		17.78		
100		135	136		16.97		
100		270	0		17.34		
100	DFT-s-OFDM QPSK	1	1		18.13		18.8
100		1	136		17.69		
100		1	271		17.45		
100		135	1		18.00		18.8
100		135	67		17.65		
100		135	136		16.60		
100		270	0		16.59		
100	DFT-s-OFDM 16QAM	1	1		16.19		16.80
100	DFT-s-OFDM 64QAM	1	1		15.09		15.80
100	DFT-s-OFDM 256QAM	1	1		13.07		13.80
100	CP-OFDM QPSK	1	1		15.55		16.80
100	CP-OFDM 16QAM	1	1		15.13		15.80
100	CP-OFDM 64QAM	1	1		14.65		15.80
100	CP-OFDM 256QAM	1	1		11.42		11.80
Channel				632668	633334	634000	18.80
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	17.79	17.74	17.70	18.80
Channel				632000	633334	634666	18.80
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	17.55	17.48	17.62	18.80
Channel				631334	633334	635332	18.80
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	17.92	17.65	17.67	18.80
Channel				631000	633334	635666	18.80
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	17.97	17.82	17.71	18.80
Channel				630668	633334	636000	18.80
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	17.87	17.74	17.54	18.80

B13_n77(3450-3550MHz) (PC2)_Ant 10_18dB							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		17.96		18.8
100		1	136		17.73		
100		1	271		17.53		
100		135	1		17.33		18.8
100		135	67		17.79		
100		135	136		16.91		
100		270	0		17.38		
100	DFT-s-OFDM QPSK	1	1		18.01		18.8
100		1	136		17.60		
100		1	271		17.37		
100		135	1		17.85		18.8
100		135	67		17.57		
100		135	136		16.36		
100		270	0		16.49		
100	DFT-s-OFDM 16QAM	1	1		17.10		17.80
100	DFT-s-OFDM 64QAM	1	1		15.79		16.80
100	DFT-s-OFDM 256QAM	1	1		12.96		13.80
100	CP-OFDM QPSK	1	1		15.48		15.80
100	CP-OFDM 16QAM	1	1		15.07		15.80
100	CP-OFDM 64QAM	1	1		14.58		15.80
100	CP-OFDM 256QAM	1	1		11.34		11.80
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	17.67	17.62	17.59	18.80
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	17.41	17.35	17.48	17.80
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	17.75	17.50	17.54	18.80
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	17.85	17.65	17.54	18.80
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	17.71	17.55	17.35	18.80



B66_n77(3450-3550MHz) (PC2)_Ant 10_18dB							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		18.01		18.8
100		1	136		17.87		
100		1	271		12.72		
100		135	1		17.50		18.8
100		135	67		17.90		
100		135	136		17.07		
100		270	0		12.95		
100	DFT-s-OFDM QPSK	1	1		18.03		18.8
100		1	136		17.82		
100		1	271		12.58		
100		135	1		17.54		18.8
100		135	67		14.50		
100		135	136		16.57		
100		270	0		16.98		
100	DFT-s-OFDM 16QAM	1	1		17.12		17.80
100	DFT-s-OFDM 64QAM	1	1		15.64		16.80
100	DFT-s-OFDM 256QAM	1	1		13.56		14.80
100	CP-OFDM QPSK	1	1		16.58		17.80
100	CP-OFDM 16QAM	1	1		15.99		16.80
100	CP-OFDM 64QAM	1	1		14.63		15.80
100	CP-OFDM 256QAM	1	1		11.38		11.80
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	17.98	17.95	17.92	18.80
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	17.99	18.01	18.02	18.80
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	17.95	17.97	17.78	18.80
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	17.97	18.01	17.83	18.80
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	18.00	17.99	17.64	18.80

B2_n77(3700-3980MHz) (PC2)_Ant 10-18dB							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	18.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	17.74	16.61	16.24	18.8
100		1	136	18.19	16.66	15.63	
100		1	271	12.07	11.88	16.22	
100		135	1	17.79	17.13	17.39	18.8
100		135	67	18.10	16.80	16.62	
100		135	136	17.80	16.88	16.44	
100		270	0	17.70	17.24	17.30	
100	DFT-s-OFDM QPSK	1	1	17.99	18.20	17.90	18.8
100		1	136	18.17	17.49	17.32	
100		1	271	17.95	17.20	17.17	
100		135	1	15.84	15.57	15.86	18.8
100		135	67	18.10	16.78	16.64	
100		135	136	12.13	12.02	11.90	
100		270	0	17.19	16.71	16.77	
100	DFT-s-OFDM 16QAM	1	1	16.87	16.58	17.11	17.80
100	DFT-s-OFDM 64QAM	1	1	15.52	15.02	14.65	16.80
100	DFT-s-OFDM 256QAM	1	1	13.20	13.08	12.72	13.80
100	CP-OFDM QPSK	1	1	16.26	15.93	15.55	16.80
100	CP-OFDM 16QAM	1	1	13.86	13.48	13.08	14.80
100	CP-OFDM 64QAM	1	1	14.46	15.05	14.66	15.80
100	CP-OFDM 256QAM	1	1	11.18	10.10	9.72	11.80
Channel				649334	656000	662666	18.80
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	17.86	16.24	15.53	18.80
Channel				648668	656000	663332	18.80
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	17.97	15.94	14.79	18.80
Channel				648000	656000	664000	18.80
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	17.90	16.09	13.55	18.80
Channel				647668	656000	664332	18.80
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	17.79	16.06	13.70	18.80
Channel				647334	656000	664666	18.80
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	18.09	16.18	13.50	18.80

B5_n77(3700-3980MHz) (PC2)_Ant 10_18dB							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	18.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	17.98	17.58	17.76	18.8
100		1	136	17.44	16.62	16.66	
100		1	271	17.30	17.48	16.61	
100		135	1	17.41	17.08	17.16	18.8
100		135	67	17.39	16.82	17.44	
100		135	136	16.75	16.96	17.08	
100		270	0	17.09	17.26	17.01	
100	DFT-s-OFDM QPSK	1	1	17.94	18.03	17.73	18.8
100		1	136	17.40	17.60	16.51	
100		1	271	17.09	17.19	16.53	
100		135	1	17.43	17.75	17.31	18.8
100		135	67	17.46	16.80	16.46	
100		135	136	16.31	16.01	15.55	
100		270	0	16.61	16.44	16.47	
100	DFT-s-OFDM 16QAM	1	1	16.65	16.45	15.67	17.80
100	DFT-s-OFDM 64QAM	1	1	15.13	13.97	14.19	15.80
100	DFT-s-OFDM 256QAM	1	1	13.00	12.06	12.23	13.80
100	CP-OFDM QPSK	1	1	16.09	14.89	15.08	16.80
100	CP-OFDM 16QAM	1	1	15.61	15.44	14.67	16.80
100	CP-OFDM 64QAM	1	1	14.21	14.02	14.19	14.80
100	CP-OFDM 256QAM	1	1	11.07	11.05	11.25	11.80
Channel				649334	656000	662666	18.80
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	17.57	17.07	17.14	18.80
Channel				648668	656000	663332	18.80
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	17.65	16.73	17.47	18.80
Channel				648000	656000	664000	18.80
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	17.57	16.90	17.30	18.80
Channel				647668	656000	664332	18.80
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	17.88	16.91	17.45	18.80
Channel				647334	656000	664666	18.80
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	17.81	17.04	17.16	18.80

B13_n77(3700-3980MHz) (PC2)_Ant 10_18dB							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	18.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	17.52	17.50	17.69	18.8
100		1	136	17.41	17.62	17.43	
100		1	271	17.18	17.42	17.53	
100		135	1	17.45	16.96	17.10	18.8
100		135	67	17.49	17.75	17.41	
100		135	136	16.80	16.88	17.02	
100		270	0	17.10	17.20	16.93	
100	DFT-s-OFDM QPSK	1	1	17.83	17.89	17.57	18.8
100		1	136	17.47	16.53	16.34	
100		1	271	17.12	16.34	16.49	
100		135	1	17.51	17.59	17.19	18.8
100		135	67	17.47	16.69	16.40	
100		135	136	16.31	16.58	16.51	
100		270	0	16.58	16.46	16.22	
100	DFT-s-OFDM 16QAM	1	1	16.61	16.82	16.69	17.80
100	DFT-s-OFDM 64QAM	1	1	15.09	14.93	14.16	15.80
100	DFT-s-OFDM 256QAM	1	1	13.08	12.99	12.20	13.80
100	CP-OFDM QPSK	1	1	16.13	15.82	15.03	16.80
100	CP-OFDM 16QAM	1	1	15.63	15.37	14.63	16.80
100	CP-OFDM 64QAM	1	1	14.17	13.88	14.04	14.80
100	CP-OFDM 256QAM	1	1	11.08	10.98	11.20	11.80
Channel				649334	656000	662666	17.80
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	17.43	16.98	16.05	17.80
Channel				648668	656000	663332	18.80
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	17.61	17.24	17.40	18.80
Channel				648000	656000	664000	18.80
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	17.87	16.79	17.20	18.80
Channel				647668	656000	664332	18.80
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	17.53	16.81	17.35	18.80
Channel				647334	656000	664666	18.80
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	17.71	16.91	17.07	18.80

B66_n77(3700-3980MHz) (PC2)_Ant 10_18dB							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	18.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	18.14	17.05	16.69	18.8
100		1	136	18.23	17.10	16.09	
100		1	271	16.98	16.37	16.67	
100		135	1	18.12	17.56	16.08	18.8
100		135	67	18.02	17.53	16.10	
100		135	136	18.31	17.34	17.89	
100		270	0	18.21	17.69	17.75	
100	DFT-s-OFDM QPSK	1	1	18.19	18.33	18.26	18.8
100		1	136	18.12	17.03	17.00	
100		1	271	18.22	17.65	17.64	
100		135	1	17.85	17.89	17.72	18.8
100		135	67	18.11	16.23	16.10	
100		135	136	17.70	16.81	16.35	
100		270	0	17.71	16.17	16.23	
100	DFT-s-OFDM 16QAM	1	1	17.36	17.45	16.84	17.80
100	DFT-s-OFDM 64QAM	1	1	14.23	14.45	14.14	14.80
100	DFT-s-OFDM 256QAM	1	1	10.88	11.56	11.18	12.80
100	CP-OFDM QPSK	1	1	14.77	14.50	14.32	15.80
100	CP-OFDM 16QAM	1	1	14.28	14.43	13.56	14.80
100	CP-OFDM 64QAM	1	1	11.05	13.48	13.13	13.80
100	CP-OFDM 256QAM	1	1	11.71	10.54	10.18	12.80
Channel				649334	656000	662666	17.80
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	16.37	16.64	15.93	17.80
Channel				648668	656000	663332	16.80
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	16.39	16.33	15.20	16.80
Channel				648000	656000	664000	17.80
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	16.79	16.47	15.92	17.80
Channel				647668	656000	664332	17.80
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	16.62	16.42	16.07	17.80
Channel				647334	656000	664666	17.80
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	16.58	16.59	16.31	17.80

2.4GHz WLAN ANT 8

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

2.4GHz WLAN ANT 9

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

2.4GHz WLAN MIMO

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5GHz WLAN ANT 8

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5GHz WLAN ANT 9

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5GHz WLAN MIMO

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5GHz WLAN ANT 8

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5GHz WLAN ANT 9

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5GHz WLAN MIMO

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5GHz WLAN ANT 8

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5.5 WLAN ANT 9

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5.5 WLAN MIMO

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5.8GHz WLAN ANT 8

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5.8 WLAN ANT 9

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %

5.8 WLAN MIMO

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Daily Cycle %



**Reduced Power Level 4 for ANT 1 & ANT3 & ANT 4 & ANT 7 & ANT8 & ANT9 & ANT10**

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	128	189	251		128	189	251		
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	29.70	29.71	29.63	30.70	20.70	20.71	20.63	21.70	0.25
GPRS 1 Tx slot	29.84	29.88	29.78	30.70	20.84	20.88	20.78	21.70	
GPRS 2 Tx slots	27.41	27.53	27.45	28.00	21.41	21.53	21.45	22.00	0.12
GPRS 3 Tx slots	25.39	25.42	25.33	26.20	21.13	21.16	21.07	21.94	0.09
GPRS 4 Tx slots	23.89	24.05	23.97	25.00	20.89	21.05	20.97	22.00	0.16
EDGE 1 Tx slot	26.30	26.33	26.19	26.50	17.30	17.33	17.19	17.50	0.14
EDGE 2 Tx slots	23.94	23.98	23.81	24.50	17.94	17.98	17.81	18.50	0.17
EDGE 3 Tx slots	21.97	22.00	21.88	22.50	17.71	17.74	17.62	18.24	0.12
EDGE 4 Tx slots	20.21	20.23	20.16	20.50	17.21	17.23	17.16	17.50	0.07
Mode		Max.	29.88			Max.	21.53		
Attenuator	Cable Loss : 0.6								

Band	WCDMA Band V (dBm)			Tune-up Limit (dBm)	
	4132	4182	4233		
TX Channel	4357	4407	4458		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	RMC 12.2Kbps	23.17	23.21	23.12	23.80
3GPP Rel 5	HSDPA Subtest-1	21.87	21.88	21.85	22.50
3GPP Rel 5	HSDPA Subtest-2	21.89	21.97	21.92	22.50
3GPP Rel 5	HSDPA Subtest-3	21.44	21.46	21.38	22.00
3GPP Rel 5	HSDPA Subtest-4	21.42	21.42	21.23	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.86	21.85	21.84	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.82	21.85	21.83	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.34	21.36	21.32	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.35	21.35	21.34	22.00
3GPP Rel 6	HSUPA Subtest-1	21.93	21.91	21.93	22.50
3GPP Rel 6	HSUPA Subtest-2	21.41	21.31	21.37	22.00
3GPP Rel 6	HSUPA Subtest-3	21.81	21.90	21.92	22.50
3GPP Rel 6	HSUPA Subtest-4	21.87	21.88	21.85	22.50
3GPP Rel 6	HSUPA Subtest-5	21.86	21.89	21.83	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.87	21.88	21.82	22.50
Attenuator		Cable Loss	0.6		
Mode		Max.	23.21		





3	16QAM	1	8	17.98	17.92	17.97	18.8
3	16QAM	1	14	17.77	17.88	17.86	
3	16QAM	8	0	16.82	16.87	16.63	17.8
3	16QAM	8	4	16.60	16.62	16.85	
3	16QAM	8	7	16.52	16.76	16.71	
3	16QAM	15	0	16.62	16.69	16.68	17.8
3	64QAM	1	0	16.80	16.86	16.97	
3	64QAM	1	8	16.78	16.61	16.84	
3	64QAM	1	14	16.78	16.69	16.87	16.8
3	64QAM	8	0	15.71	15.76	15.73	
3	64QAM	8	4	15.71	15.89	15.64	
3	64QAM	8	7	15.56	15.54	15.56	
3	64QAM	15	0	15.64	15.79	15.59	Tune-up limit (dBm)
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	18.72	18.80	18.74	19.8
1.4	QPSK	1	3	18.66	18.70	18.78	
1.4	QPSK	1	5	18.72	18.73	18.57	
1.4	QPSK	3	0	17.86	17.88	17.80	
1.4	QPSK	3	1	17.83	17.83	17.82	
1.4	QPSK	3	3	17.83	17.85	17.81	
1.4	QPSK	6	0	17.70	17.69	17.73	18.8
1.4	16QAM	1	0	18.05	18.03	17.88	18.8
1.4	16QAM	1	3	17.82	17.99	17.94	
1.4	16QAM	1	5	17.86	17.94	17.85	
1.4	16QAM	3	0	16.83	16.90	16.80	
1.4	16QAM	3	1	16.84	16.87	16.85	
1.4	16QAM	3	3	16.81	16.80	16.83	
1.4	16QAM	6	0	16.47	16.68	16.57	17.8
1.4	64QAM	1	0	16.71	16.90	16.74	17.8
1.4	64QAM	1	3	16.66	16.62	16.82	
1.4	64QAM	1	5	16.72	16.70	16.70	
1.4	64QAM	3	0	15.87	15.94	15.88	
1.4	64QAM	3	1	15.81	15.89	15.86	
1.4	64QAM	3	3	15.85	15.82	15.81	
1.4	64QAM	6	0	15.71	15.79	15.67	16.8

Band 66 ANT 7 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.87	18.95	18.90	19.8
20	QPSK	1	49	18.64	18.60	18.78	
20	QPSK	1	99	18.73	18.87	18.69	
20	QPSK	50	0	17.86	17.91	17.87	18.8
20	QPSK	50	24	17.73	17.78	17.75	
20	QPSK	50	50	17.63	17.77	17.67	
20	QPSK	100	0	17.66	17.64	17.87	18.8
20	16QAM	1	0	17.85	18.10	17.93	
20	16QAM	1	49	18.03	18.08	17.77	
20	16QAM	1	99	17.97	17.93	17.90	17.8
20	16QAM	50	0	16.86	16.89	16.75	
20	16QAM	50	24	16.79	16.71	16.78	
20	16QAM	50	50	16.66	16.73	16.81	17.8
20	16QAM	100	0	16.75	16.92	16.71	
20	64QAM	1	0	16.91	16.97	16.73	
20	64QAM	1	49	16.72	16.83	16.86	17.8
20	64QAM	1	99	16.83	16.77	16.86	
20	64QAM	50	0	15.70	15.83	15.70	
20	64QAM	50	24	15.74	15.93	15.69	16.8
20	64QAM	50	50	15.65	15.67	15.67	
20	64QAM	100	0	15.60	15.79	15.71	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.81	18.91	18.85	19.8
15	QPSK	1	37	18.87	18.78	18.77	
15	QPSK	1	74	18.77	18.78	18.71	
15	QPSK	36	0	17.83	17.85	17.77	18.8
15	QPSK	36	20	17.87	17.71	17.69	
15	QPSK	36	39	17.80	17.79	17.72	
15	QPSK	75	0	17.70	17.70	17.79	18.8
15	16QAM	1	0	17.95	18.01	18.07	
15	16QAM	1	37	17.95	17.89	17.77	
15	16QAM	1	74	17.84	18.05	17.94	17.8
15	16QAM	36	0	16.77	16.84	16.77	
15	16QAM	36	20	16.60	16.53	16.78	
15	16QAM	36	39	16.69	16.57	16.80	17.8
15	16QAM	75	0	16.60	16.76	16.61	
15	64QAM	1	0	16.79	16.91	16.95	
15	64QAM	1	37	16.77	16.80	16.77	17.8
15	64QAM	1	74	16.80	16.74	16.85	
15	64QAM	36	0	15.71	15.74	15.80	
15	64QAM	36	20	15.65	15.87	15.72	16.8
15	64QAM	36	39	15.73	15.67	15.74	
15	64QAM	75	0	15.75	15.87	15.78	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.78	18.89	18.83	19.8
10	QPSK	1	25	18.68	18.68	18.71	
10	QPSK	1	49	18.68	18.72	18.72	
10	QPSK	25	0	17.78	17.91	17.86	18.8
10	QPSK	25	12	17.86	17.76	17.79	
10	QPSK	25	25	17.76	17.74	17.72	
10	QPSK	50	0	17.78	17.72	17.86	18.8
10	16QAM	1	0	17.99	18.09	17.95	
10	16QAM	1	25	17.81	17.94	17.89	
10	16QAM	1	49	17.80	17.95	17.96	17.8
10	16QAM	25	0	16.89	16.80	16.60	
10	16QAM	25	12	16.69	16.68	16.71	
10	16QAM	25	25	16.61	16.72	16.75	17.8
10	16QAM	50	0	16.57	16.75	16.61	
10	64QAM	1	0	16.92	16.94	16.79	
10	64QAM	1	25	16.65	16.64	16.89	17.8
10	64QAM	1	49	16.82	16.68	16.79	
10	64QAM	25	0	15.79	15.71	15.75	
10	64QAM	25	12	15.68	15.80	15.53	16.8
10	64QAM	25	25	15.71	15.62	15.52	
10	64QAM	50	0	15.59	15.73	15.62	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	18.79	18.86	18.71	19.8
5	QPSK	1	12	18.70	18.71	18.69	
5	QPSK	1	24	18.65	18.67	18.62	
5	QPSK	12	0	17.88	17.92	17.75	18.8
5	QPSK	12	7	17.89	17.70	17.64	
5	QPSK	12	13	17.68	17.80	17.61	
5	QPSK	25	0	17.67	17.77	17.83	18.8
5	16QAM	1	0	17.81	18.02	17.90	
5	16QAM	1	12	18.05	17.98	17.87	
5	16QAM	1	24	17.92	18.04	17.86	17.8
5	16QAM	12	0	16.91	16.79	16.76	
5	16QAM	12	7	16.62	16.85	16.84	
5	16QAM	12	13	16.68	16.77	16.69	17.8
5	16QAM	25	0	16.61	16.72	16.66	
5	64QAM	1	0	16.91	17.07	16.80	
5	64QAM	1	12	16.70	16.78	16.92	17.8
5	64QAM	1	24	16.71	16.72	16.87	
5	64QAM	12	0	15.73	15.75	15.69	
5	64QAM	12	7	15.60	15.80	15.57	16.8
5	64QAM	12	13	15.72	15.64	15.56	
5	64QAM	25	0	15.75	15.81	15.60	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	18.78	18.87	18.75	19.8
3	QPSK	1	8	18.73	18.74	18.77	
3	QPSK	1	14	18.67	18.80	18.62	
3	QPSK	8	0	17.66	17.75	17.73	18.8
3	QPSK	8	4	17.72	17.59	17.68	
3	QPSK	8	7	17.81	17.66	17.59	
3	QPSK	15	0	17.59	17.73	17.65	18.8
3	16QAM	1	0	17.90	18.05	18.04	

3	16QAM	1	8	17.91	18.08	17.88	18.8
3	16QAM	1	14	17.85	17.96	17.99	
3	16QAM	8	0	16.94	16.92	16.69	17.8
3	16QAM	8	4	16.77	16.74	16.72	
3	16QAM	8	7	16.71	16.70	16.79	
3	16QAM	15	0	16.70	16.80	16.65	17.8
3	64QAM	1	0	16.72	17.03	16.88	
3	64QAM	1	8	16.83	16.83	16.81	
3	64QAM	1	14	16.72	16.72	16.76	16.8
3	64QAM	8	0	15.69	15.70	15.72	
3	64QAM	8	4	15.59	15.77	15.66	
3	64QAM	8	7	15.72	15.60	15.65	
3	64QAM	15	0	15.62	15.78	15.76	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.81	18.86	18.70	19.8
1.4	QPSK	1	3	18.81	18.68	18.69	
1.4	QPSK	1	5	18.55	18.76	18.81	
1.4	QPSK	3	0	17.87	17.88	17.85	
1.4	QPSK	3	1	17.82	17.82	17.80	
1.4	QPSK	3	3	17.80	17.81	17.82	
1.4	QPSK	6	0	17.70	17.74	17.66	18.8
1.4	16QAM	1	0	17.94	18.03	17.85	18.8
1.4	16QAM	1	3	17.92	17.97	17.75	
1.4	16QAM	1	5	17.84	17.99	17.86	
1.4	16QAM	3	0	16.73	16.97	16.67	
1.4	16QAM	3	1	16.82	16.68	16.80	
1.4	16QAM	3	3	16.62	16.74	16.68	
1.4	16QAM	6	0	16.69	16.80	16.61	17.8
1.4	64QAM	1	0	16.71	16.90	16.85	17.8
1.4	64QAM	1	3	16.77	16.73	16.75	
1.4	64QAM	1	5	16.68	16.71	16.93	
1.4	64QAM	3	0	15.61	15.73	15.79	
1.4	64QAM	3	1	15.59	15.82	15.69	
1.4	64QAM	3	3	15.69	15.61	15.56	
1.4	64QAM	6	0	15.62	15.71	15.79	16.8



CA_5B Sensor on For Body									
Combination:10MHz+10MHz(50RB+50RB)									
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset		
20450	20450	20549	QPSK	1	0	0	0	22.84	23.5
20476	20476	20575	QPSK	1	0	0	0	22.77	23.5
20501	20501	20600	QPSK	1	0	0	0	22.73	23.5
20450	20450	20549	16QAM	1	0	0	0	22.39	23
20476	20476	20575	16QAM	1	0	0	0	22.24	23
20501	20501	20600	16QAM	1	0	0	0	22.27	23
20450	20450	20549	64QAM	1	0	0	0	21.78	22.5
20476	20476	20575	64QAM	1	0	0	0	21.55	22.5
20501	20501	20600	64QAM	1	0	0	0	21.61	22.5
20450	20450	20549	QPSK	25	0	0	0	22.08	23
20476	20476	20575	QPSK	25	0	0	0	22.04	23
20501	20501	20600	QPSK	25	0	0	0	22.05	23

CA_48C Sensor on For Body									
Combination:20MHz+20MHz(100RB+100RB)									
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset		
55340	55340	55538	QPSK	1	0	0	0	18.39	19.00
55990	55891	56089	QPSK	1	0	0	0	18.42	19.00
56640	56442	56640	QPSK	1	0	0	0	18.37	19.00
55340	55340	55538	16QAM	1	0	0	0	17.79	18.50
55990	55891	56089	16QAM	1	0	0	0	17.88	18.50
56640	56442	56640	16QAM	1	0	0	0	17.83	18.50
55340	55340	55538	64QAM	1	0	0	0	17.31	18.00
55990	55891	56089	64QAM	1	0	0	0	17.37	18.00
56640	56442	56640	64QAM	1	0	0	0	17.28	18.00
55340	55340	55538	QPSK	50	0	0	0	17.58	18.5
55990	55891	56089	QPSK	50	0	0	0	17.63	18.5
56640	56442	56640	QPSK	50	0	0	0	17.61	18.5

B5_n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	20.8
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.75	19.68	19.51	20.8
20		1	53	19.78	19.68	19.55	
20		1	104	19.74	19.64	19.54	
20		50	1	19.77	19.77	19.57	20.8
20		50	25	19.84	19.75	19.56	
20		50	50	19.86	19.62	19.48	
20		100	0	19.81	19.76	19.56	
20	DFT-s-OFDM QPSK	1	1	19.99	20.07	20.04	20.8
20		1	53	19.89	19.97	19.91	
20		1	104	19.77	19.74	19.68	
20		50	1	19.81	19.91	19.82	20.8
20		50	25	19.86	19.76	19.71	
20		50	50	19.75	19.64	19.59	
20		100	0	19.82	19.74	19.63	
20	DFT-s-OFDM 16QAM	1	1	20.02	20.00	19.84	20.80
20	DFT-s-OFDM 64QAM	1	1	18.50	18.42	18.26	19.80
20	DFT-s-OFDM 256QAM	1	1	16.35	16.29	16.07	16.80
20	CP-OFDM QPSK	1	1	19.48	19.36	19.20	19.80
20	CP-OFDM 16QAM	1	1	18.80	18.71	18.52	19.80
20	CP-OFDM 64QAM	1	1	17.46	17.31	17.13	17.80
20	CP-OFDM 256QAM	1	1	14.42	14.31	14.14	14.80
Channel				371500	376000	380500	20.80
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	19.83	19.73	19.55	20.80
Channel				371000	376000	381000	20.80
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	19.99	19.74	19.57	20.80
Channel				370500	376000	381500	20.80
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	19.96	19.78	19.68	20.80

B13_n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	20.8
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.80	19.72	19.55	20.8
20		1	53	19.79	19.73	19.47	
20		1	104	19.78	19.59	19.46	
20		50	1	19.83	19.75	19.54	20.8
20		50	25	19.89	19.76	19.62	
20		50	50	19.83	19.66	19.55	
20		100	0	19.87	19.71	19.56	
20	DFT-s-OFDM QPSK	1	1	19.90	20.05	19.79	20.8
20		1	53	19.70	19.83	19.71	
20		1	104	19.69	19.69	19.65	
20		50	1	19.81	19.90	19.75	20.8
20		50	25	19.89	19.70	19.65	
20		50	50	19.82	19.70	19.59	
20		100	0	19.87	19.71	19.62	
20	DFT-s-OFDM 16QAM	1	1	19.96	20.01	19.88	20.80
20	DFT-s-OFDM 64QAM	1	1	18.48	18.46	18.17	18.80
20	DFT-s-OFDM 256QAM	1	1	16.37	16.36	16.05	16.80
20	CP-OFDM QPSK	1	1	19.40	19.37	19.11	19.80
20	CP-OFDM 16QAM	1	1	18.80	18.89	18.49	19.80
20	CP-OFDM 64QAM	1	1	17.40	17.35	17.06	17.80
20	CP-OFDM 256QAM	1	1	14.36	14.35	14.07	14.80
Channel				371500	376000	380500	20.80
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	19.90	19.71	19.50	20.80
Channel				371000	376000	381000	20.80
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	19.91	19.81	19.62	20.80
Channel				370500	376000	381500	20.80
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	19.88	19.74	19.60	20.80

B66_n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	20.8
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.92	19.90	19.82	20.8
20		1	53	19.93	19.86	19.88	
20		1	104	19.97	19.93	19.93	
20		50	1	19.60	19.56	19.50	20.8
20		50	25	20.01	19.91	19.92	
20		50	50	19.63	19.52	19.53	
20		100	0	19.65	19.57	19.55	
20	DFT-s-OFDM QPSK	1	1	19.98	20.06	19.96	20.8
20		1	53	19.98	19.92	19.91	
20		1	104	19.96	19.89	19.94	
20		50	1	19.90	16.40	19.85	20.8
20		50	25	19.85	19.80	19.86	
20		50	50	19.02	19.01	19.06	
20		100	0	19.13	19.05	19.04	
20	DFT-s-OFDM 16QAM	1	1	19.36	19.16	19.27	19.80
20	DFT-s-OFDM 64QAM	1	1	17.76	17.72	17.63	18.80
20	DFT-s-OFDM 256QAM	1	1	15.71	15.60	15.54	16.80
20	CP-OFDM QPSK	1	1	18.56	18.64	18.55	19.80
20	CP-OFDM 16QAM	1	1	18.12	18.10	18.02	18.80
20	CP-OFDM 64QAM	1	1	16.62	16.60	16.52	17.80
20	CP-OFDM 256QAM	1	1	13.75	13.61	13.60	14.80
Channel				371500	376000	380500	20.80
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	19.98	19.95	19.94	20.80
Channel				371000	376000	381000	20.80
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	19.97	20.04	20.03	20.80
Channel				370500	376000	381500	20.80
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	20.04	20.01	20.02	20.80



B2_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	20.8
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.91	19.86	19.79	20.8
20		1	53	19.82	19.91	19.95	
20		1	104	19.81	19.72	19.79	
20		50	1	19.86	19.91	19.85	20.8
20		50	25	19.90	19.89	20.00	
20		50	50	19.91	19.87	19.89	
20		100	0	19.89	19.87	19.97	
20	DFT-s-OFDM QPSK	1	1	20.04	20.13	20.03	20.8
20		1	53	19.89	19.97	19.96	
20		1	104	19.85	19.83	19.69	
20		50	1	19.83	19.99	19.85	20.8
20		50	25	19.86	19.90	19.98	
20		50	50	19.90	19.87	19.84	
20		100	0	19.88	19.84	19.97	
20	DFT-s-OFDM 16QAM	1	1	20.11	20.05	20.08	20.80
20	DFT-s-OFDM 64QAM	1	1	18.53	18.59	18.58	19.80
20	DFT-s-OFDM 256QAM	1	1	16.37	16.42	16.38	16.80
20	CP-OFDM QPSK	1	1	19.42	19.48	19.46	19.80
20	CP-OFDM 16QAM	1	1	18.76	18.78	18.78	19.80
20	CP-OFDM 64QAM	1	1	17.57	17.49	17.43	18.80
20	CP-OFDM 256QAM	1	1	14.42	14.46	14.38	14.80
Channel				166300	167300	168300	20.80
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	19.93	19.90	19.97	20.80
Channel				165800	167300	168800	20.80
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	19.88	19.93	19.98	20.80
Channel				165300	167300	169300	20.80
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	20.04	19.91	19.92	20.80

B48_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	20.8
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.90	19.84	19.81	20.8
20		1	53	19.77	19.88	19.92	
20		1	104	19.78	19.68	19.77	
20		50	1	19.78	19.84	19.86	20.8
20		50	25	19.89	20.00	19.95	
20		50	50	19.88	19.85	19.86	
20		100	0	19.89	19.97	19.93	
20	DFT-s-OFDM QPSK	1	1	20.02	20.10	19.95	20.8
20		1	53	19.83	19.95	19.97	
20		1	104	19.84	19.89	19.80	
20		50	1	19.79	20.01	19.85	20.8
20		50	25	19.84	19.97	19.95	
20		50	50	19.88	19.87	19.84	
20		100	0	19.88	19.84	19.94	
20	DFT-s-OFDM 16QAM	1	1	20.07	20.04	20.08	20.80
20	DFT-s-OFDM 64QAM	1	1	18.57	18.59	18.51	19.80
20	DFT-s-OFDM 256QAM	1	1	16.40	16.43	16.35	16.80
20	CP-OFDM QPSK	1	1	19.39	19.50	19.42	20.80
20	CP-OFDM 16QAM	1	1	18.80	18.81	18.79	19.80
20	CP-OFDM 64QAM	1	1	17.44	17.49	17.45	17.80
20	CP-OFDM 256QAM	1	1	14.42	14.44	14.37	14.80
Channel				166300	167300	168300	20.80
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	19.91	19.92	19.94	20.80
Channel				165800	167300	168800	20.80
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	19.90	19.89	19.97	20.80
Channel				165300	167300	169300	20.80
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	19.90	19.95	19.92	20.80

B66_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	20.8
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	20.03	20.08	20.01	20.8
20		1	53	20.07	20.08	20.16	
20		1	104	20.12	20.03	20.02	
20		50	1	20.17	20.16	20.17	20.8
20		50	25	20.21	20.16	20.17	
20		50	50	20.14	20.22	20.14	
20		100	0	20.22	20.18	20.14	
20	DFT-s-OFDM QPSK	1	1	20.10	20.32	20.05	20.8
20		1	53	20.11	20.10	20.21	
20		1	104	20.04	20.07	20.06	
20		50	1	20.04	20.11	20.05	20.8
20		50	25	20.07	20.04	20.11	
20		50	50	20.11	20.09	20.11	
20		100	0	20.09	20.05	20.04	
20	DFT-s-OFDM 16QAM	1	1	20.31	20.28	20.25	20.80
20	DFT-s-OFDM 64QAM	1	1	18.75	18.82	18.78	19.80
20	DFT-s-OFDM 256QAM	1	1	16.72	16.75	16.66	17.80
20	CP-OFDM QPSK	1	1	19.65	19.70	19.70	20.80
20	CP-OFDM 16QAM	1	1	19.01	19.03	18.97	19.80
20	CP-OFDM 64QAM	1	1	17.69	17.72	17.66	18.80
20	CP-OFDM 256QAM	1	1	14.72	14.78	14.68	15.80
Channel				166300	167300	168300	20.80
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	20.08	20.07	20.06	20.80
Channel				165800	167300	168800	20.80
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	19.92	19.85	19.93	20.80
Channel				165300	167300	169300	20.80
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	19.99	19.94	19.91	20.80

B2_n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				345000	349000	353000	20.8
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM PI/2 BPSK	1	1	20.22	20.17	20.06	20.8
30		1	80	20.23	20.15	19.87	
30		1	158	20.12	19.89	19.87	
30		80	1	20.02	19.91	19.52	20.8
30		80	40	20.18	20.11	19.92	
30		80	80	19.88	19.68	19.67	
30		160	0	19.90	19.91	19.55	
30	DFT-s-OFDM QPSK	1	1	20.22	20.27	20.05	20.8
30		1	80	20.20	20.07	19.86	
30		1	158	19.82	19.85	19.79	
30		80	1	20.15	20.18	20.03	20.8
30		80	40	20.17	20.13	19.92	
30		80	80	18.94	19.16	19.02	
30		160	0	19.50	19.26	19.13	
30	DFT-s-OFDM 16QAM	1	1	19.67	19.57	19.41	20.80
30	DFT-s-OFDM 64QAM	1	1	17.24	17.78	17.68	18.80
30	DFT-s-OFDM 256QAM	1	1	15.89	15.72	15.73	16.80
30	CP-OFDM QPSK	1	1	18.92	18.71	18.59	19.80
30	CP-OFDM 16QAM	1	1	18.47	18.16	18.07	18.80
30	CP-OFDM 64QAM	1	1	16.94	16.75	16.70	17.80
30	CP-OFDM 256QAM	1	1	13.97	13.76	13.70	14.80
Channel				344000	349000	354000	20.80
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	20.24	20.23	19.91	20.80
Channel				343500	349000	354500	20.80
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	20.18	20.21	19.98	20.80
Channel				343000	349000	355000	20.80
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	20.05	20.22	20.11	20.80
Channel				342500	349000	355500	20.80
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	20.21	20.19	20.04	20.80

B5_n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				345000	349000	353000	20.8
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM PI/2 BPSK	1	1	19.71	19.74	19.62	20.8
30		1	80	19.76	19.68	19.65	
30		1	158	19.78	19.53	19.71	
30		80	1	19.89	19.77	19.62	20.8
30		80	40	19.83	19.65	19.72	
30		80	80	19.81	19.72	19.80	
30		160	0	19.87	19.75	19.81	
30	DFT-s-OFDM QPSK	1	1	19.81	20.06	19.90	20.8
30		1	80	19.84	19.87	19.73	
30		1	158	19.83	19.80	19.72	
30		80	1	19.78	19.89	19.68	20.8
30		80	40	19.84	19.71	19.73	
30		80	80	19.87	19.75	19.80	
30		160	0	19.87	19.75	19.76	
30	DFT-s-OFDM 16QAM	1	1	19.96	19.98	19.95	20.80
30	DFT-s-OFDM 64QAM	1	1	18.47	18.50	18.42	19.80
30	DFT-s-OFDM 256QAM	1	1	16.42	16.38	16.26	16.80
30	CP-OFDM QPSK	1	1	19.35	19.41	19.27	19.80
30	CP-OFDM 16QAM	1	1	18.74	18.77	18.71	19.80
30	CP-OFDM 64QAM	1	1	17.39	17.40	17.30	17.80
30	CP-OFDM 256QAM	1	1	14.32	14.35	14.25	14.80
Channel				344000	349000	354000	20.80
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	19.77	19.58	19.41	20.80
Channel				343500	349000	354500	20.80
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	19.73	19.79	19.74	20.80
Channel				343000	349000	355000	20.80
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	19.92	19.81	19.76	20.80
Channel				342500	349000	355500	20.80
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	19.85	19.83	19.72	20.80

B13_n66 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				345000	349000	353000	20.8
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM PI/2 BPSK	1	1	19.76	19.79	19.71	20.8
30		1	80	19.82	19.75	19.69	
30		1	158	19.80	19.61	19.66	
30		80	1	19.83	19.77	19.74	20.8
30		80	40	19.87	19.70	19.75	
30		80	80	19.88	19.80	19.81	
30		160	0	19.95	19.74	19.84	
30	DFT-s-OFDM QPSK	1	1	19.85	20.08	19.90	20.8
30		1	80	19.90	19.88	19.73	
30		1	158	19.76	19.84	19.76	
30		80	1	19.86	20.01	19.93	20.8
30		80	40	19.91	19.80	19.79	
30		80	80	19.92	19.76	19.83	
30		160	0	19.98	19.77	19.77	
30	DFT-s-OFDM 16QAM	1	1	20.03	20.06	19.99	20.80
30	DFT-s-OFDM 64QAM	1	1	18.52	18.52	18.43	19.80
30	DFT-s-OFDM 256QAM	1	1	16.49	16.47	16.35	16.80
30	CP-OFDM QPSK	1	1	19.43	19.45	19.33	19.80
30	CP-OFDM 16QAM	1	1	18.76	18.73	18.69	19.80
30	CP-OFDM 64QAM	1	1	17.46	17.43	17.35	17.80
30	CP-OFDM 256QAM	1	1	14.40	14.42	14.33	14.80
Channel				344000	349000	354000	20.80
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	19.58	19.75	19.71	20.80
Channel				343500	349000	354500	20.80
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	19.82	19.72	19.69	20.80
Channel				343000	349000	355000	20.80
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	19.94	19.84	19.85	20.80
Channel				342500	349000	355500	20.80
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	19.94	19.79	19.82	20.80

B2_n77(3450-3550MHz) (PC2)_20dB_ANT10							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		20.05		20.8
100		1	136		19.86		
100		1	271		19.60		
100		135	1		15.12		20.8
100		135	67		19.90		
100		135	136		19.09		
100		270	0		19.48		
100	DFT-s-OFDM QPSK	1	1		20.10		20.8
100		1	136		19.89		
100		1	271		19.56		
100		135	1		19.92		20.8
100		135	67		19.90		
100		135	136		18.59		
100		270	0		19.01		
100	DFT-s-OFDM 16QAM	1	1		20.06		20.80
100	DFT-s-OFDM 64QAM	1	1		17.65		18.80
100	DFT-s-OFDM 256QAM	1	1		15.38		15.80
100	CP-OFDM QPSK	1	1		18.55		19.80
100	CP-OFDM 16QAM	1	1		17.80		18.80
100	CP-OFDM 64QAM	1	1		16.58		17.80
100	CP-OFDM 256QAM	1	1		13.47		13.80
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	19.95	20.00	19.95	20.80
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	20.04	20.05	20.09	20.80
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	20.07	20.00	20.09	20.80
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	20.05	20.08	19.84	20.80
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	20.02	20.07	19.66	20.80

B5_n77(3450-3550MHz) (PC2)_20dB_ ANT10							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		20.06		20.8
100		1	136		19.67		
100		1	271		19.54		
100		135	1		19.42		20.8
100		135	67		19.78		
100		135	136		18.97		
100		270	0		19.34		
100	DFT-s-OFDM QPSK	1	1		20.13		20.8
100		1	136		19.69		
100		1	271		19.45		
100		135	1		20.00		20.8
100		135	67		19.65		
100		135	136		18.60		
100		270	0		18.59		
100	DFT-s-OFDM 16QAM	1	1		18.19		18.80
100	DFT-s-OFDM 64QAM	1	1		17.09		17.80
100	DFT-s-OFDM 256QAM	1	1		15.07		15.80
100	CP-OFDM QPSK	1	1		17.55		18.80
100	CP-OFDM 16QAM	1	1		17.13		17.80
100	CP-OFDM 64QAM	1	1		16.65		17.80
100	CP-OFDM 256QAM	1	1		13.42		13.80
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	19.79	19.74	19.70	20.80
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	19.55	19.48	19.62	20.80
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	19.92	19.65	19.67	20.80
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	19.97	19.82	19.71	20.80
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	19.87	19.74	19.54	20.80



B13_n77(3450-3550MHz) (PC2)_20dB_ ANT10							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		19.96		20.8
100		1	136		19.73		
100		1	271		19.53		
100		135	1		19.33		20.8
100		135	67		19.79		
100		135	136		18.91		
100		270	0		19.38		
100	DFT-s-OFDM QPSK	1	1		20.01		20.8
100		1	136		19.60		
100		1	271		19.37		
100		135	1		19.85		20.8
100		135	67		19.57		
100		135	136		18.36		
100		270	0		18.49		
100	DFT-s-OFDM 16QAM	1	1		19.10		19.80
100	DFT-s-OFDM 64QAM	1	1		17.79		18.80
100	DFT-s-OFDM 256QAM	1	1		14.96		15.80
100	CP-OFDM QPSK	1	1		17.48		17.80
100	CP-OFDM 16QAM	1	1		17.07		17.80
100	CP-OFDM 64QAM	1	1		16.58		17.80
100	CP-OFDM 256QAM	1	1		13.34		13.80
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	19.67	19.62	19.59	20.80
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	19.41	19.35	19.48	19.80
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	19.75	19.50	19.54	20.80
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	19.85	19.65	19.54	20.80
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	19.71	19.55	19.35	20.80

B66_n77(3450-3550MHz) (PC2)_20dB_ ANT10							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		20.01		20.8
100		1	136		19.87		
100		1	271		14.72		
100		135	1		19.50		20.8
100		135	67		19.90		
100		135	136		19.07		
100		270	0		14.95		
100	DFT-s-OFDM QPSK	1	1		20.03		20.8
100		1	136		19.82		
100		1	271		14.58		
100		135	1		19.54		20.8
100		135	67		16.50		
100		135	136		18.57		
100		270	0		18.98		
100	DFT-s-OFDM 16QAM	1	1		19.12		19.80
100	DFT-s-OFDM 64QAM	1	1		17.64		18.80
100	DFT-s-OFDM 256QAM	1	1		15.56		16.80
100	CP-OFDM QPSK	1	1		18.58		19.80
100	CP-OFDM 16QAM	1	1		17.99		18.80
100	CP-OFDM 64QAM	1	1		16.63		17.80
100	CP-OFDM 256QAM	1	1		13.38		13.80
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	(dBm)
80	DFT-s-OFDM QPSK	1	1	19.98	19.95	19.92	20.80
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	(dBm)
60	DFT-s-OFDM QPSK	1	1	19.99	20.01	20.02	20.80
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)
40	DFT-s-OFDM QPSK	1	1	19.95	19.97	19.78	20.80
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	(dBm)
30	DFT-s-OFDM QPSK	1	1	19.97	20.01	19.83	20.80
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	(dBm)
20	DFT-s-OFDM QPSK	1	1	20.00	19.99	19.64	20.80

B2_n77(3700-3980MHz) (PC2)_ ANT10							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	20.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	19.74	18.61	18.24	20.8
100		1	136	20.19	18.66	17.63	
100		1	271	14.07	13.88	18.22	
100		135	1	19.79	19.13	19.39	20.8
100		135	67	20.10	18.80	18.62	
100		135	136	19.80	18.88	18.44	
100		270	0	19.70	19.24	19.30	
100	DFT-s-OFDM QPSK	1	1	19.99	20.20	19.90	20.8
100		1	136	20.17	19.49	19.32	
100		1	271	19.95	19.20	19.17	
100		135	1	17.84	17.57	17.86	20.8
100		135	67	20.10	18.78	18.64	
100		135	136	14.13	14.02	13.90	
100		270	0	19.19	18.71	18.77	
100	DFT-s-OFDM 16QAM	1	1	18.87	18.58	19.11	19.80
100	DFT-s-OFDM 64QAM	1	1	17.52	17.02	16.65	18.80
100	DFT-s-OFDM 256QAM	1	1	15.20	15.08	14.72	15.80
100	CP-OFDM QPSK	1	1	18.26	17.93	17.55	18.80
100	CP-OFDM 16QAM	1	1	15.86	15.48	15.08	16.80
100	CP-OFDM 64QAM	1	1	16.46	17.05	16.66	17.80
100	CP-OFDM 256QAM	1	1	13.18	12.10	11.72	13.80
Channel				649334	656000	662666	20.80
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	19.86	18.24	17.53	20.80
Channel				648668	656000	663332	20.80
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	19.97	17.94	16.79	20.80
Channel				648000	656000	664000	20.80
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	19.90	18.09	15.55	20.80
Channel				647668	656000	664332	20.80
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	19.79	18.06	15.70	20.80
Channel				647334	656000	664666	20.80
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	20.09	18.18	15.50	20.80

B5_n77(3700-3980MHz) (PC2)_ANT10							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	20.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	19.98	19.58	19.76	20.8
100		1	136	19.44	18.62	18.66	
100		1	271	19.30	19.48	18.61	
100		135	1	19.41	19.08	19.16	20.8
100		135	67	19.39	18.82	19.44	
100		135	136	18.75	18.96	19.08	
100		270	0	19.09	19.26	19.01	
100	DFT-s-OFDM QPSK	1	1	19.94	20.03	19.73	20.8
100		1	136	19.40	19.60	18.51	
100		1	271	19.09	19.19	18.53	
100		135	1	19.43	19.75	19.31	20.8
100		135	67	19.46	18.80	18.46	
100		135	136	18.31	18.01	17.55	
100		270	0	18.61	18.44	18.47	
100	DFT-s-OFDM 16QAM	1	1	18.65	18.45	17.67	19.80
100	DFT-s-OFDM 64QAM	1	1	17.13	15.97	16.19	17.80
100	DFT-s-OFDM 256QAM	1	1	15.00	14.06	14.23	15.80
100	CP-OFDM QPSK	1	1	18.09	16.89	17.08	18.80
100	CP-OFDM 16QAM	1	1	17.61	17.44	16.67	18.80
100	CP-OFDM 64QAM	1	1	16.21	16.02	16.19	16.80
100	CP-OFDM 256QAM	1	1	13.07	13.05	13.25	13.80
Channel				649334	656000	662666	20.80
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	19.57	19.07	19.14	20.80
Channel				648668	656000	663332	20.80
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	19.65	18.73	19.47	20.80
Channel				648000	656000	664000	20.80
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	19.57	18.90	19.30	20.80
Channel				647668	656000	664332	20.80
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	19.88	18.91	19.45	20.80
Channel				647334	656000	664666	20.80
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	19.81	19.04	19.16	20.80

B13_n77(3700-3980MHz) (PC2)_ ANT10							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	20.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	19.52	19.50	19.69	20.8
100		1	136	19.41	19.62	19.43	
100		1	271	19.18	19.42	19.53	
100		135	1	19.45	18.96	19.10	20.8
100		135	67	19.49	19.75	19.41	
100		135	136	18.80	18.88	19.02	
100		270	0	19.10	19.20	18.93	
100	DFT-s-OFDM QPSK	1	1	19.83	19.89	19.57	20.8
100		1	136	19.47	18.53	18.34	
100		1	271	19.12	18.34	18.49	
100		135	1	19.51	19.59	19.19	20.8
100		135	67	19.47	18.69	18.40	
100		135	136	18.31	18.58	18.51	
100		270	0	18.58	18.46	18.22	
100	DFT-s-OFDM 16QAM	1	1	18.61	18.82	18.69	19.80
100	DFT-s-OFDM 64QAM	1	1	17.09	16.93	16.16	17.80
100	DFT-s-OFDM 256QAM	1	1	15.08	14.99	14.20	15.80
100	CP-OFDM QPSK	1	1	18.13	17.82	17.03	18.80
100	CP-OFDM 16QAM	1	1	17.63	17.37	16.63	18.80
100	CP-OFDM 64QAM	1	1	16.17	15.88	16.04	16.80
100	CP-OFDM 256QAM	1	1	13.08	12.98	13.20	13.80
Channel				649334	656000	662666	19.80
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	19.43	18.98	18.05	19.80
Channel				648668	656000	663332	20.80
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	19.61	19.24	19.40	20.80
Channel				648000	656000	664000	20.80
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	19.87	18.79	19.20	20.80
Channel				647668	656000	664332	20.80
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	19.53	18.81	19.35	20.80
Channel				647334	656000	664666	20.80
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	19.71	18.91	19.07	20.80

B66_n77(3700-3980MHz) (PC2)_ANT10							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	20.8
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	20.14	19.05	18.69	20.8
100		1	136	20.23	19.10	18.09	
100		1	271	18.98	18.37	18.67	
100		135	1	20.12	19.56	18.08	20.8
100		135	67	20.02	19.53	18.10	
100		135	136	20.31	19.34	19.89	
100		270	0	20.21	19.69	19.75	
100	DFT-s-OFDM QPSK	1	1	20.19	20.33	20.26	20.8
100		1	136	20.12	19.03	19.00	
100		1	271	20.22	19.65	19.64	
100		135	1	19.85	19.89	19.72	20.8
100		135	67	20.11	18.23	18.10	
100		135	136	19.70	18.81	18.35	
100		270	0	19.71	18.17	18.23	
100	DFT-s-OFDM 16QAM	1	1	19.36	19.45	18.84	19.80
100	DFT-s-OFDM 64QAM	1	1	16.23	16.45	16.14	16.80
100	DFT-s-OFDM 256QAM	1	1	12.88	13.56	13.18	14.80
100	CP-OFDM QPSK	1	1	16.77	16.50	16.32	17.80
100	CP-OFDM 16QAM	1	1	16.28	16.43	15.56	16.80
100	CP-OFDM 64QAM	1	1	13.05	15.48	15.13	15.80
100	CP-OFDM 256QAM	1	1	13.71	12.54	12.18	14.80
Channel				649334	656000	662666	19.80
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	18.37	18.64	17.93	19.80
Channel				648668	656000	663332	18.80
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	18.39	18.33	17.20	18.80
Channel				648000	656000	664000	19.80
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	18.79	18.47	17.92	19.80
Channel				647668	656000	664332	19.80
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	18.62	18.42	18.07	19.80
Channel				647334	656000	664666	19.80
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	18.58	18.59	18.31	19.80



5GHz WLAN ANT 8

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

5.2GHz WLAN ANT 9

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

5.2GHz WLAN MIMO

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

5.3GHz WLAN ANT 9

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

5.3GHz WLAN MIMO

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

5GHz WLAN ANT 8

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

5.5 WLAN ANT 9

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

5.5 WLAN MIMO

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

5GHz WLAN ANT 8

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

5.8 WLAN ANT 9

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.

5.8 WLAN MIMO

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Tune-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a 8Mbps, 802.11a-HT20 MCS0, 802.11a-HT40 MCS0, 802.11ac-VHT20 MCS0, 802.11ac-VHT40 MCS0, 802.11ac-VHT80 MCS0.