



REPORT No.: SZ23110216S01

## 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









3	QPSK	15	0	21.84	21.70	21.86	
3	16QAM	1	0	22.04	22.12	22.05	22.8
3	16QAM	1	8	21.96	22.09	22.07	
3	16QAM	1	14	21.91	22.10	21.95	
3	16QAM	8	0	20.97	20.90	20.73	21.8
3	16QAM	8	4	20.81	20.78	20.77	
3	16QAM	8	7	20.78	20.85	20.75	
3	16QAM	15	0	20.64	20.84	20.75	
3	64QAM	1	0	20.87	21.06	20.86	21.8
3	64QAM	1	8	20.78	20.81	20.90	
3	64QAM	1	14	20.77	20.79	21.02	
3	64QAM	8	0	19.83	19.93	19.79	20.8
3	64QAM	8	4	19.83	19.91	19.80	
3	64QAM	8	7	19.66	19.77	19.68	
3	64QAM	15	0	19.74	19.90	19.69	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	22.85	22.91	22.86	23.8
1.4	QPSK	1	3	22.84	22.71	22.83	
1.4	QPSK	1	5	22.66	22.76	22.73	
1.4	QPSK	3	0	21.78	22.10	21.82	
1.4	QPSK	3	1	21.97	21.80	21.80	
1.4	QPSK	3	3	21.93	21.78	21.75	
1.4	QPSK	6	0	21.85	21.82	21.91	22.8
1.4	16QAM	1	0	22.03	22.11	22.03	21.8
1.4	16QAM	1	3	22.09	22.06	22.05	
1.4	16QAM	1	5	21.94	22.03	22.08	
1.4	16QAM	3	0	21.07	21.09	20.96	
1.4	16QAM	3	1	20.72	20.83	20.77	
1.4	16QAM	3	3	20.81	20.88	20.83	
1.4	16QAM	6	0	20.71	20.84	20.72	20.8
1.4	64QAM	1	0	20.91	21.02	20.96	21.8
1.4	64QAM	1	3	20.88	20.75	21.02	
1.4	64QAM	1	5	20.84	20.71	21.00	
1.4	64QAM	3	0	19.81	19.87	19.98	
1.4	64QAM	3	1	19.73	20.00	19.74	
1.4	64QAM	3	3	19.74	19.79	19.79	
1.4	64QAM	6	0	19.80	19.78	19.73	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

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	24.03	24.05	24.00	24.8
20	QPSK	1	49	23.83	23.94	23.81	
20	QPSK	1	99	23.99	23.99	23.94	
20	QPSK	50	0	22.94	23.03	22.96	23.8
20	QPSK	50	24	22.98	22.84	22.88	
20	QPSK	50	50	22.84	23.01	22.76	
20	QPSK	100	0	22.80	22.86	22.99	23.8
20	16QAM	1	0	23.10	23.15	23.06	
20	16QAM	1	49	23.01	23.06	22.94	
20	16QAM	1	99	23.03	23.01	23.00	22.8
20	16QAM	50	0	22.03	22.04	21.97	
20	16QAM	50	24	22.01	21.87	22.00	
20	16QAM	50	50	21.86	21.80	21.91	22.8
20	16QAM	100	0	21.79	21.95	21.72	
20	64QAM	1	0	22.10	22.12	22.11	
20	64QAM	1	49	21.99	21.89	22.03	22.8
20	64QAM	1	99	21.96	21.80	22.07	
20	64QAM	50	0	21.03	21.04	21.01	
20	64QAM	50	24	20.93	20.97	20.73	21.8
20	64QAM	50	50	20.92	20.70	20.77	
20	64QAM	100	0	20.83	20.86	20.96	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.96	24.02	24.00	24.8
15	QPSK	1	37	23.95	24.00	23.98	
15	QPSK	1	74	23.94	24.00	23.93	
15	QPSK	36	0	22.90	23.04	23.03	23.8
15	QPSK	36	20	23.09	22.86	22.84	
15	QPSK	36	39	23.03	23.00	22.88	
15	QPSK	75	0	22.92	22.95	22.99	23.8
15	16QAM	1	0	23.13	23.15	23.10	
15	16QAM	1	37	23.12	23.09	23.04	
15	16QAM	1	74	23.05	23.07	23.03	22.8
15	16QAM	36	0	22.05	22.09	21.89	
15	16QAM	36	20	22.04	21.91	21.83	
15	16QAM	36	39	21.90	21.83	21.94	22.8
15	16QAM	75	0	21.77	21.97	21.91	
15	64QAM	1	0	22.08	22.11	22.03	
15	64QAM	1	37	21.85	22.01	22.02	22.8
15	64QAM	1	74	21.99	22.02	22.00	
15	64QAM	36	0	20.86	21.08	21.06	
15	64QAM	36	20	20.83	21.02	20.77	21.8
15	64QAM	36	39	20.87	20.83	20.84	
15	64QAM	75	0	20.79	20.93	20.83	
Channel				133172	133272	133422	
Frequency (MHz)				668	678	693	
10	QPSK	1	0	24.00	24.03	23.96	24.8
10	QPSK	1	25	23.94	23.83	23.96	
10	QPSK	1	49	23.79	24.01	23.99	
10	QPSK	25	0	22.97	23.03	23.01	23.8
10	QPSK	25	12	23.00	23.00	22.83	
10	QPSK	25	25	22.87	22.95	22.85	
10	QPSK	50	0	22.87	22.93	23.01	23.8
10	16QAM	1	0	23.14	23.16	23.12	
10	16QAM	1	25	23.08	23.11	23.13	
10	16QAM	1	49	23.04	23.09	23.00	22.8
10	16QAM	25	0	22.02	22.05	21.89	
10	16QAM	25	12	21.81	21.96	22.04	
10	16QAM	25	25	21.74	21.77	21.96	22.8
10	16QAM	50	0	21.83	21.87	21.70	
10	64QAM	1	0	21.91	22.07	22.00	
10	64QAM	1	25	21.96	21.80	21.96	22.8
10	64QAM	1	49	21.99	21.84	22.01	
10	64QAM	25	0	20.88	21.00	20.93	
10	64QAM	25	12	20.92	20.99	20.87	21.8
10	64QAM	25	25	20.75	20.94	20.75	
10	64QAM	50	0	20.71	21.00	20.90	
Channel				133147	133247	133447	
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	23.98	24.00	23.95	24.8
5	QPSK	1	12	23.93	23.96	23.83	
5	QPSK	1	24	23.89	23.94	23.93	
5	QPSK	12	0	23.07	23.09	23.02	23.8
5	QPSK	12	7	23.02	22.78	22.96	
5	QPSK	12	13	22.81	22.87	22.78	
5	QPSK	25	0	22.89	22.85	22.86	23.8
5	16QAM	1	0	23.05	23.12	23.07	
5	16QAM	1	12	23.11	23.11	23.08	
5	16QAM	1	24	23.03	23.06	23.04	22.8
5	16QAM	12	0	22.10	22.04	21.87	
5	16QAM	12	7	21.84	21.92	21.86	
5	16QAM	12	13	21.76	21.76	21.96	22.8
5	16QAM	25	0	21.73	21.93	21.79	
5	64QAM	1	0	22.06	22.15	22.11	
5	64QAM	1	12	21.81	21.85	22.14	22.8
5	64QAM	1	24	21.93	21.90	22.06	
5	64QAM	12	0	20.83	20.89	20.93	
5	64QAM	12	7	20.94	20.92	20.86	21.8
5	64QAM	12	13	20.84	20.76	20.78	
5	64QAM	25	0	20.91	21.04	20.79	

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_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
	CA_2A-12A	2	20	18700	1860	QPSK/1#0	12	10	23130	711	22.53	23.5
	CA_4A-12A	4	20	20050	1720	QPSK/1#0	12	10	23130	711	22.6	23.5
CA_12A-66A	12	10	23060	704	QPSK/1#0	66	20	132572	1770	23.58	24.5	



2CC LTE Downlink												
Configure	CA Configuration	PCC				SCC				Power		
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel 8 TX (dBm)
Intra-band & Inter-band	CA_4A-5A	4	20	20050	1720	QPSK/180	5	10	20600	844	21.63	22.83
	CA_66B	66	10	132373	1750.1	QPSK/180	66	10	132472	1760	22.45	22.95
	CA_66C	66	20	132323	1745.1	QPSK/180	66	20	132521	1764.9	22.36	22.95
	CA_2A-13A	2	20	18700	1860	QPSK/180	13	10	23230	782	22.21	22.89
	CA_4A-17A	2	20	18700	1860	QPSK/180	17	10	23790	710	22.25	22.89
	CA_4A-17A	4	20	20050	1720	QPSK/180	17	10	23790	710	22.18	22.83
	CA_5B	5	10	20476	831.6	QPSK/180	5	10	20575	841.5	23.29	23.91
	CA_13A-66A	13	10	23230	782	QPSK/180	66	20	67236	2190	23.08	23.98
CA_66A-66A	66	20	132072	1720	QPSK/180	66	20	67236	2190	22.47	22.95	

3CC LTE Downlink																
Configure	CA Configuration	PCC				SCC1				SCC2				Power		
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel 8 TX (dBm)
Intra-band & Inter-band	CA_2A-4A-5A	2	20	18700	1860	QPSK/180	4	20	20300	1745	5	10	20600	844	22.13	22.89
	CA_2A-4A-13A	2	20	19100	1900	QPSK/180	4	20	20300	1745	13	10	23230	782	22.15	22.89
	CA_2A-66B	2	20	18700	1860	QPSK/180	66	10	132373	1750.1	66	10	132472	1760	22.26	22.89
	CA_4A-4A-5A	4	20	20050	1720	QPSK/180	4	20	20300	1745	5	10	20600	844	21.58	22.83
	CA_5A-66A-66A	5	10	20450	829	QPSK/180	66	20	66536	2120	66	20	67236	2190	23.42	23.91
	CA_2A-4A-12A	2	20	18700	1860	QPSK/180	4	20	20300	1745	12	10	23130	711	22.18	22.89
	CA_2A-5B	2	20	18700	1860	QPSK/180	5	10	20476	831.6	5	10	20575	841.5	22.24	22.89
	CA_2A-12A-12A	2	20	18700	1860	QPSK/180	12	10	23060	704	12	10	23130	711	22.09	22.89
	CA_2A-12A-66A	2	20	18700	1860	QPSK/180	12	10	23130	711	66	20	67236	2190	22.12	22.83
	CA_4A-12A-12A	4	20	20050	1720	QPSK/180	12	10	23060	704	12	10	23130	711	22.07	22.83
	CA_12A-66A-66A	12	10	23060	704	QPSK/180	66	20	66536	2120	66	20	67236	2190	23.1	23.97

4CC LTE Downlink																				
Configure	CA Configuration	PCC				SCC1				SCC2				SCC3			Power			
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel 8 TX (dBm)
Intra-band & Inter-band	CA_2A-2A-4A-4A	2	20	18700	1860	QPSK/180	2	20	1100	1980	4	20	2050	2120	4	20	2300	2145	22.32	22.89
	CA_2A-2A-4A-5A	2	20	18700	1860	QPSK/180	2	20	1100	1980	4	20	2050	2120	5	10	2600	889	22.29	22.89
	CA_2A-2A-5A-66A	2	20	18700	1860	QPSK/180	2	20	1100	1980	5	10	2600	889	66	20	67236	2190	22.31	22.89
	CA_2A-2A-13A-66A	2	20	18700	1860	QPSK/180	2	20	1100	1980	13	10	5230	751	66	20	67236	2190	22.33	22.89
	CA_2A-2A-66A-66A	2	20	18700	1860	QPSK/180	2	20	1100	1980	66	20	66536	2120	66	20	67236	2190	22.32	22.89
	CA_2A-2A-66B	2	20	18700	1860	QPSK/180	2	20	1100	1980	66	10	132373	1750.1	66	10	132472	1760	22.27	22.89
	CA_2A-4A-4A-5A	2	20	18700	1860	QPSK/180	4	20	2175	2132.5	4	20	2175	2132.5	5	10	2600	889	22.29	22.89
	CA_2A-4A-5B	2	20	18700	1860	QPSK/180	4	20	2175	2132.5	5	10	20476	831.6	5	10	20575	841.5	22.3	22.89
	CA_2A-5A-66A-66A	2	20	18700	1860	QPSK/180	5	10	2600	889	66	20	66536	2120	66	20	67236	2190	22.36	22.89
	CA_2A-5A-66B	2	20	18700	1860	QPSK/180	5	10	2600	889	66	10	132373	1750.1	66	10	132472	1760	22.35	22.89
	CA_2A-66A-66A-66A	2	20	18700	1860	QPSK/180	66	20	132072	1720	66	20	66886	2155	66	20	67236	2190	22.37	22.89
	CA_5A-5A-66A-66A	5	10	20450	829	QPSK/180	5	10	20600	844	66	20	66536	2120	66	20	67236	2190	23.42	23.91
	CA_2A-2A-4A-12A	2	20	18700	1860	QPSK/180	2	20	1100	1980	4	20	20300	1745	12	10	23130	711	22.28	22.89
	CA_2A-2A-12A-12A	2	20	18700	1860	QPSK/180	2	20	1100	1980	12	10	23060	704	12	10	23130	711	22.34	22.89
	CA_2A-2A-12A-66A	2	20	18700	1860	QPSK/180	2	20	1100	1980	12	10	23130	711	66	20	67236	2190	22.25	22.89
	CA_2A-4A-4A-12A	2	20	18700	1860	QPSK/180	4	20	2175	2132.5	4	20	2175	2132.5	12	10	23130	711	22.27	22.89
	CA_2A-12A-66A-66A	2	20	18700	1860	QPSK/180	12	10	23130	711	66	20	66536	2120	66	20	67236	2190	22.28	22.89
	CA_2A-66A-66B	2	20	18700	1860	QPSK/180	66	20	132072	1720	66	10	132373	1750.1	66	10	132472	1760	22.27	22.89
	CA_4A-4A-12A-12A	4	20	20050	1720	QPSK/180	4	20	20300	1745	12	10	23060	704	12	10	23130	711	21.84	22.83

B5_n2 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	limit (dBm)
Frequency (MHz)				1860	1880	1900	
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	100	0	23.31	23.26	23.06		
20	DFT-s-OFDM QPSK	1	1	23.49	23.57	23.54	24.8
20		1	53	23.39	23.47	23.41	
20		1	104	23.27	23.24	23.18	
20		50	1	23.31	23.41	23.32	24.8
20		50	25	23.36	23.26	23.21	
20		50	50	23.25	23.14	23.09	
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

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

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

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





2.4GHz WLAN ANT 8

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

2.4GHz WLAN ANT 9

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

2.4GHz WLAN MIMO

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

5GHz WLAN ANT 8

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

5GHz WLAN ANT 9

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

5GHz WLAN MIMO

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

5GHz WLAN ANT 8

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

5GHz WLAN ANT 9

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

5GHz WLAN MIMO

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

5GHz WLAN ANT 8

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

5.5 WLAN ANT 9

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

5.5 WLAN MIMO

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

5GHz WLAN ANT 8

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

5.8 WLAN ANT 9

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

5.8 WLAN MIMO

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

Table with 4 columns: Mode, Channel, Frequency (MHz), Average power (dBm)

Table with 4 columns: Mode, Channel, Frequency (MHz), Average power (dBm)



Reduced Power Level 1 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	18.8	
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.93	18.04	17.99		
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		
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		
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		
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		
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		
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		
20	64QAM	50	50	14.84	14.81	14.79		
20	64QAM	100	0	14.90	15.08	14.89		
Channel				20825	21100	21375		18.8
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.97	18.00	17.99		
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		
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		
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		
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		
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		
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	64QAM	36	39	14.96	14.89	14.79		
15	64QAM	75	0	14.76	15.07	15.00		
Channel				20800	21100	21400	18.8	
Frequency (MHz)				2605	2535	2565		
10	QPSK	1	0	17.86	18.01	17.95		
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		
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		
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		
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		
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		
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		
10	64QAM	25	25	14.71	14.84	14.79		
10	64QAM	50	0	14.76	14.92	14.86		
Channel				20775	21100	21425		18.8
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.97	17.99	17.91		
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		
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		
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		
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		
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		
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		
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



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	
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	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	19.77	19.58	19.41	20.80
Channel				343500	349000	354500	Tune-up limit (dBm)
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	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	19.92	19.81	19.76	20.80
Channel				342500	349000	355500	Tune-up limit (dBm)
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	
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	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	19.58	19.75	19.71	20.80
Channel				343500	349000	354500	Tune-up limit (dBm)
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	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	19.94	19.84	19.85	20.80
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	19.94	19.79	19.82	20.80

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

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



**Reduced Power Level 3 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	18.84	18.80	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 (RB)	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

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	Tune-up limit (dBm)	
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		DFT-s-OFDM PI/2 BPSK	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		DFT-s-OFDM QPSK	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	Tune-up limit (dBm)	
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	Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905		
10	DFT-s-OFDM QPSK	1	1	19.91	19.81	19.62	20.80	
Channel				370500	376000	381500	Tune-up limit (dBm)	
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	
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	Tune-up limit (dBm)
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	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	19.97	20.04	20.03	20.80
Channel				370500	376000	381500	Tune-up limit (dBm)
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

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

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

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



5GHz WLAN ANT 8

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-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), Turn-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), Turn-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), Turn-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), Turn-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), Turn-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), Turn-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), Turn-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), Turn-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), Turn-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), Turn-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), Turn-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.