



REPORT No.: SZ22100059S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacture document.

Full Power

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	128	189	251		128	189	251		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	31.36	31.48	31.40	32.00	22.36	22.48	22.40	23.00	0.12
GPRS 1 Tx slot	31.36	31.47	31.41	32.00	22.36	22.47	22.41	23.00	
GPRS 2 Tx slots	29.52	29.56	29.48	30.00	23.52	23.56	23.48	24.00	0.08
GPRS 3 Tx slots	27.32	27.44	27.41	28.00	23.06	23.18	23.15	23.74	0.12
GPRS 4 Tx slots	26.18	26.24	26.21	27.00	23.18	23.24	23.21	24.00	0.06
EDGE 1 Tx slot	26.12	26.10	26.11	27.00	17.12	17.10	17.11	18.00	0.02
EDGE 2 Tx slots	25.47	25.55	25.49	26.00	19.47	19.55	19.49	20.00	0.08
EDGE 3 Tx slots	23.34	23.42	23.52	24.00	19.08	19.16	19.26	19.74	0.18
EDGE 4 Tx slots	20.61	20.59	20.64	21.00	17.61	17.59	17.64	18.00	0.05
Mode		Max.	31.48			Max.	23.56		
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	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	29.45	29.52	29.45	30.00	20.45	20.52	20.45	21.00	0.08
GPRS 1 Tx slot	29.46	29.53	29.47	30.00	20.46	20.53	20.47	21.00	
GPRS 2 Tx slots	26.45	26.36	26.33	27.00	20.45	20.36	20.33	21.00	0.12
GPRS 3 Tx slots	24.50	24.55	24.43	25.00	20.24	20.29	20.17	20.74	0.12
GPRS 4 Tx slots	23.16	23.17	23.12	24.00	20.16	20.17	20.12	21.00	0.05
EDGE 1 Tx slot	25.66	25.47	25.61	26.00	16.66	16.47	16.61	17.00	0.19
EDGE 2 Tx slots	24.62	24.52	24.56	25.00	18.62	18.52	18.56	19.00	0.10
EDGE 3 Tx slots	23.26	23.20	23.18	24.00	19.00	18.94	18.92	19.74	0.08
EDGE 4 Tx slots	22.55	22.46	22.41	23.00	19.55	19.46	19.41	20.00	0.14
Mode		Max.	29.53			Max.	20.53		
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	9262	9400	9538		1312	1413	1513		4132	4182	4233	
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	22.39	22.47	22.41	23.00	23.11	23.18	23.14	24.00	22.56	22.61	22.51	23.00
3GPP Rel 6 HSDPA Subtest-1	19.44	19.61	19.47	20.50	19.76	19.91	19.99	20.50	20.26	20.25	20.34	21.50
3GPP Rel 6 HSDPA Subtest-2	18.48	18.62	18.53	19.50	18.79	18.94	19.02	20.50	19.31	19.25	19.41	20.50
3GPP Rel 6 HSDPA Subtest-3	17.67	17.85	17.71	18.50	17.96	18.13	18.20	19.50	18.50	18.46	18.57	20.50
3GPP Rel 6 HSDPA Subtest-4	17.58	17.73	17.63	18.80	17.87	18.03	18.09	19.50	18.36	18.35	18.47	20.50
3GPP Rel 8 DC-HSDPA Subtest-1	19.46	19.61	19.60	20.50	19.90	20.00	20.13	20.50	20.34	20.34	20.39	21.50
3GPP Rel 8 DC-HSDPA Subtest-2	18.30	18.45	18.41	19.50	18.70	18.88	18.92	19.50	19.18	19.16	19.24	20.50
3GPP Rel 8 DC-HSDPA Subtest-3	17.43	17.52	17.60	18.50	17.79	18.00	18.00	19.50	18.31	18.27	18.30	20.50
3GPP Rel 8 DC-HSDPA Subtest-4	17.52	17.67	17.62	18.50	17.91	18.09	18.14	19.50	18.38	18.36	18.38	20.50
3GPP Rel 6 HSUPA Subtest-1	18.50	18.57	18.50	19.50	18.75	18.96	19.07	19.50	19.31	19.30	19.39	20.50
3GPP Rel 6 HSUPA Subtest-2	18.48	18.56	18.48	19.50	18.75	18.94	19.05	19.50	19.28	19.26	19.35	20.50
3GPP Rel 6 HSUPA Subtest-3	18.20	18.31	18.20	19.50	18.45	18.66	18.63	19.50	19.00	19.00	19.06	20.50
3GPP Rel 6 HSUPA Subtest-4	19.44	19.56	19.43	20.50	19.73	19.91	19.95	20.50	20.23	20.27	20.32	21.50
3GPP Rel 6 HSUPA Subtest-5	18.45	18.51	18.38	19.50	18.66	18.86	18.86	19.50	19.20	19.18	19.29	20.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.71	17.72	17.67	18.50	18.13	18.27	18.23	19.50	18.51	18.47	18.51	19.50
Attenuator		Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6	
Mode		Max.	22.47			Max.	23.18			Max.	22.61	

3	16QAM	1	0	21.30	21.21	21.15	22.5
3	16QAM	1	8	21.34	21.28	21.24	
3	16QAM	1	14	21.27	21.24	21.12	
3	16QAM	8	0	21.50	21.63	21.55	22.5
3	16QAM	8	4	21.57	21.54	21.60	
3	16QAM	8	7	21.47	21.52	21.55	
3	16QAM	15	0	21.50	21.54	21.49	22.5
3	64QAM	1	0	21.23	21.16	21.19	
3	64QAM	1	8	21.65	21.64	21.24	
3	64QAM	1	14	21.26	21.62	21.26	22.5
3	64QAM	8	0	21.18	21.20	21.04	
3	64QAM	8	4	21.28	21.18	21.18	
3	64QAM	8	7	21.38	21.27	21.13	22.5
3	64QAM	15	0	21.23	21.23	21.21	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.53	22.56	22.51	23.5
1.4	QPSK	1	3	22.43	22.41	22.40	
1.4	QPSK	1	5	22.40	22.38	22.36	
1.4	QPSK	3	0	22.40	22.40	22.36	
1.4	QPSK	3	1	22.44	22.41	22.39	
1.4	QPSK	3	3	22.46	22.50	22.39	
1.4	QPSK	6	0	21.32	21.30	21.29	22.5
1.4	16QAM	1	0	21.35	21.35	21.29	22.5
1.4	16QAM	1	3	21.31	21.51	21.49	
1.4	16QAM	1	5	21.19	21.39	21.07	
1.4	16QAM	3	0	21.21	21.26	21.23	
1.4	16QAM	3	1	21.39	21.21	21.26	
1.4	16QAM	3	3	21.41	21.38	21.12	
1.4	16QAM	6	0	21.42	21.35	21.30	22.5
1.4	64QAM	1	0	21.30	21.22	21.25	22.5
1.4	64QAM	1	3	21.32	21.53	21.41	
1.4	64QAM	1	5	21.30	21.65	21.24	
1.4	64QAM	3	0	21.33	21.39	21.40	
1.4	64QAM	3	1	21.42	21.39	21.60	
1.4	64QAM	3	3	21.34	21.48	21.25	
1.4	64QAM	6	0	21.39	21.42	21.31	22.5

3	16QAM	1	0	22.42	22.51	22.55	23.5
3	16QAM	1	8	22.64	22.64	22.38	
3	16QAM	1	14	22.55	22.33	22.41	
3	16QAM	8	0	22.34	22.35	22.44	23.5
3	16QAM	8	4	22.44	22.44	22.45	
3	16QAM	8	7	22.66	22.74	22.78	
3	16QAM	15	0	22.66	22.64	22.71	23.5
3	64QAM	1	0	22.33	22.42	22.40	
3	64QAM	1	8	22.52	22.40	22.56	
3	64QAM	1	14	22.33	22.40	22.23	23.5
3	64QAM	8	0	22.31	22.35	22.29	
3	64QAM	8	4	22.43	22.41	22.45	
3	64QAM	8	7	22.37	22.44	22.56	23.5
3	64QAM	15	0	22.33	22.41	22.32	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.98	23.19	23.20	24.5
1.4	QPSK	1	3	23.32	23.32	23.36	
1.4	QPSK	1	5	23.18	23.27	23.29	
1.4	QPSK	3	0	23.26	23.23	23.22	
1.4	QPSK	3	1	23.22	23.32	23.37	
1.4	QPSK	3	3	23.21	23.28	23.27	
1.4	QPSK	6	0	22.37	22.39	22.35	23.5
1.4	16QAM	1	0	22.31	22.78	22.44	23.5
1.4	16QAM	1	3	22.44	22.52	22.56	
1.4	16QAM	1	5	22.50	22.66	22.46	
1.4	16QAM	3	0	22.53	22.57	22.48	
1.4	16QAM	3	1	22.54	22.57	22.59	
1.4	16QAM	3	3	22.53	22.65	22.54	
1.4	16QAM	6	0	22.44	22.45	22.36	23.5
1.4	64QAM	1	0	22.22	22.16	22.30	23.5
1.4	64QAM	1	3	22.48	22.46	22.58	
1.4	64QAM	1	5	22.39	22.35	22.19	
1.4	64QAM	3	0	22.30	22.28	22.47	
1.4	64QAM	3	1	22.21	22.36	22.33	
1.4	64QAM	3	3	22.27	22.44	22.32	
1.4	64QAM	6	0	22.26	22.27	22.34	23.5

Band 13(700MHz Band)

Part 27F

BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		22.35		23
10	QPSK	1	25		22.18		
10	QPSK	1	49		22.16		
10	QPSK	25	0		21.54		22
10	QPSK	25	12		21.35		
10	QPSK	25	25		21.52		
10	QPSK	50	0		21.49		22
10	16QAM	1	0		20.95		
10	16QAM	1	25		21.10		
10	16QAM	1	49		21.29		22
10	16QAM	25	0		21.15		
10	16QAM	25	12		21.21		
10	16QAM	25	25		21.23		22
10	16QAM	50	0		21.20		
10	64QAM	1	0		21.23		
10	64QAM	1	25		21.61		22
10	64QAM	1	49		21.25		
10	64QAM	25	0		21.02		
10	64QAM	25	12		21.16		22
10	64QAM	25	25		21.15		
10	64QAM	50	0		21.03		
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	21.94	22.27	22.05	23
5	QPSK	1	12	22.10	22.26	22.10	
5	QPSK	1	24	22.06	22.25	22.11	
5	QPSK	12	0	21.17	21.24	21.23	22
5	QPSK	12	7	21.28	21.30	21.27	
5	QPSK	12	13	21.23	21.26	21.23	
5	QPSK	25	0	21.19	21.31	21.27	22
5	16QAM	1	0	21.20	21.22	21.24	
5	16QAM	1	12	21.37	21.32	21.33	
5	16QAM	1	24	21.33	21.31	21.27	22
5	16QAM	12	0	21.07	21.04	21.07	
5	16QAM	12	7	21.35	21.40	21.24	
5	16QAM	12	13	21.30	21.27	21.32	22
5	16QAM	25	0	21.31	21.27	21.29	
5	64QAM	1	0	21.09	21.10	21.15	
5	64QAM	1	12	21.54	21.24	21.17	22
5	64QAM	1	24	21.52	21.21	21.26	
5	64QAM	12	0	21.06	21.08	21.03	
5	64QAM	12	7	21.16	21.04	21.10	22
5	64QAM	12	13	21.03	21.13	21.18	
5	64QAM	25	0	21.18	21.14	21.11	

Band 17 (700MHz Band) (dBm)

Part 27H(only on channel required)

BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.31	23.41	23.35	24
10	QPSK	1	25	23.29	23.26	23.24	
10	QPSK	1	49	23.37	23.40	23.33	
10	QPSK	25	0	22.46	22.49	22.38	23
10	QPSK	25	12	22.43	22.38	22.32	
10	QPSK	25	25	22.46	22.43	22.34	
10	QPSK	50	0	22.47	22.48	22.41	23
10	16QAM	1	0	22.51	22.59	22.53	
10	16QAM	1	25	22.42	22.47	22.41	
10	16QAM	1	49	22.38	22.57	22.32	23
10	16QAM	25	0	22.22	22.25	22.20	
10	16QAM	25	12	22.16	22.24	22.27	
10	16QAM	25	25	22.09	22.03	22.15	23
10	16QAM	50	0	22.25	22.32	22.30	
10	64QAM	1	0	22.09	22.32	22.26	
10	64QAM	1	25	22.08	22.10	22.07	23
10	64QAM	1	49	21.98	21.91	21.86	
10	64QAM	25	0	22.17	22.10	22.11	
10	64QAM	25	12	22.12	22.13	22.18	23
10	64QAM	25	25	22.19	22.20	22.13	
10	64QAM	50	0	22.04	22.12	22.08	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.22	23.40	23.28	24
5	QPSK	1	12	23.27	23.23	23.21	
5	QPSK	1	24	23.28	23.34	23.28	
5	QPSK	12	0	22.40	22.41	22.28	23
5	QPSK	12	7	22.37	22.31	22.27	
5	QPSK	12	13	22.39	22.40	22.28	
5	QPSK	25	0	22.42	22.43	22.35	23
5	16QAM	1	0	22.48	22.58	22.44	
5	16QAM	1	12	22.34	22.38	22.31	
5	16QAM	1	24	22.32	22.55	22.31	23
5	16QAM	12	0	22.14	22.19	22.17	
5	16QAM	12	7	22.15	22.23	22.26	
5	16QAM	12	13	22.00	21.98	22.11	23
5	16QAM	25	0	22.16	22.25	22.21	
5	64QAM	1	0	22.07	22.24	22.25	
5	64QAM	1	12	22.04	22.02	22.04	23
5	64QAM	1	24	21.94	21.90	21.78	
5	64QAM	12	0	22.16	22.04	22.08	
5	64QAM	12	7	22.10	22.12	22.13	23
5	64QAM	12	13	22.17	22.18	22.03	
5	64QAM	25	0	21.99	22.11	22.00	

3	16QAM	1	0	21.73	21.81	21.97	22.5
3	16QAM	1	8	22.07	21.97	21.81	
3	16QAM	1	14	22.07	21.97	21.92	
3	16QAM	8	0	21.51	21.51	21.51	22.5
3	16QAM	8	4	21.51	21.67	21.86	
3	16QAM	8	7	21.62	21.81	21.87	
3	16QAM	15	0	21.66	21.56	21.77	22.5
3	64QAM	1	0	21.71	21.53	21.68	
3	64QAM	1	8	21.75	21.46	21.47	
3	64QAM	1	14	21.66	21.47	21.49	22.5
3	64QAM	8	0	21.54	21.64	21.80	
3	64QAM	8	4	21.49	21.69	21.76	
3	64QAM	8	7	21.47	21.53	21.87	22.5
3	64QAM	15	0	21.46	21.54	21.75	
Channel				26047	26365	26683	
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	22.53	22.53	22.51	23.5
1.4	QPSK	1	3	22.50	22.51	22.45	
1.4	QPSK	1	5	22.45	22.51	22.42	
1.4	QPSK	3	0	22.40	22.44	22.53	
1.4	QPSK	3	1	22.43	22.47	22.50	
1.4	QPSK	3	3	22.48	22.41	22.45	
1.4	QPSK	6	0	21.72	21.89	21.71	22.5
1.4	16QAM	1	0	22.03	21.85	21.55	22.5
1.4	16QAM	1	3	21.81	21.55	21.80	
1.4	16QAM	1	5	21.55	21.81	21.92	
1.4	16QAM	3	0	21.78	21.80	21.82	
1.4	16QAM	3	1	21.82	21.97	22.03	
1.4	16QAM	3	3	21.59	21.83	22.07	
1.4	16QAM	6	0	21.69	21.82	21.49	22.5
1.4	64QAM	1	0	21.49	21.79	21.66	22.5
1.4	64QAM	1	3	21.47	21.82	21.49	
1.4	64QAM	1	5	21.48	21.89	21.68	
1.4	64QAM	3	0	21.55	21.67	21.49	
1.4	64QAM	3	1	21.46	21.49	21.47	
1.4	64QAM	3	3	21.71	21.47	21.79	
1.4	64QAM	6	0	21.52	21.70	21.75	22.5

1.4	16QAM	1	0	21.61	21.68	21.68	22.5
1.4	16QAM	1	3	21.68	21.62	21.62	
1.4	16QAM	1	5	21.77	21.91	21.72	
1.4	16QAM	3	0	21.78	21.54	21.79	
1.4	16QAM	3	1	21.78	21.57	21.70	
1.4	16QAM	3	3	21.78	21.55	21.51	
1.4	16QAM	6	0	22.14	22.11	22.09	22.5
1.4	64QAM	1	0	21.34	21.31	21.36	22.5
1.4	64QAM	1	3	21.40	21.40	21.40	
1.4	64QAM	1	5	21.30	21.33	21.44	
1.4	64QAM	3	0	21.39	21.40	21.40	
1.4	64QAM	3	1	21.44	21.32	21.36	
1.4	64QAM	3	3	21.36	21.40	21.31	
1.4	64QAM	6	0	21.43	21.36	21.07	22.5

3	16QAM	1	0	22.18	22.59	22.35	23.5
3	16QAM	1	8	22.51	22.45	22.44	
3	16QAM	1	14	22.55	22.44	22.14	
3	16QAM	8	0	22.36	22.36	22.27	23.5
3	16QAM	8	4	22.39	22.38	22.44	
3	16QAM	8	7	22.31	22.46	22.40	
3	16QAM	15	0	22.41	22.39	22.35	23.5
3	64QAM	1	0	22.55	22.45	22.55	
3	64QAM	1	8	22.57	22.35	22.45	
3	64QAM	1	14	22.22	22.48	22.55	23.5
3	64QAM	8	0	22.34	22.33	22.46	
3	64QAM	8	4	22.44	22.40	22.41	
3	64QAM	8	7	22.33	22.27	22.31	23.5
3	64QAM	15	0	22.35	22.37	22.34	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.26	23.17	23.18	24.5
1.4	QPSK	1	3	23.32	23.34	23.34	
1.4	QPSK	1	5	23.24	23.12	23.28	
1.4	QPSK	3	0	23.23	23.16	23.23	
1.4	QPSK	3	1	23.20	23.26	23.17	
1.4	QPSK	3	3	23.21	23.17	23.09	
1.4	QPSK	6	0	22.57	22.42	22.61	23.5
1.4	16QAM	1	0	22.49	22.49	22.69	23.5
1.4	16QAM	1	3	22.49	22.58	22.70	
1.4	16QAM	1	5	22.32	22.52	22.40	
1.4	16QAM	3	0	22.03	22.00	22.26	
1.4	16QAM	3	1	22.12	22.02	22.14	
1.4	16QAM	3	3	22.13	22.14	22.08	
1.4	16QAM	6	0	22.02	21.93	21.94	23.5
1.4	64QAM	1	0	22.36	22.21	22.37	23.5
1.4	64QAM	1	3	22.09	22.18	22.18	
1.4	64QAM	1	5	22.06	22.06	22.17	
1.4	64QAM	3	0	22.39	22.37	22.39	
1.4	64QAM	3	1	22.38	22.42	22.46	
1.4	64QAM	3	3	22.38	22.31	22.33	
1.4	64QAM	6	0	22.28	22.38	22.39	23.5

CA_41C (Class2)										
Combination:20MHz+20MHz(100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
			RB Size	RB Offset	RB Size	RB Offset				
39750	39948	QPSK	1	0	0	0	1	0	22.40	23
40185	39987	QPSK	1	0	0	0	1	0	22.34	23
40620	40422	QPSK	1	0	0	0	1	0	22.43	23
41055	40857	QPSK	1	0	0	0	1	0	22.20	23
41490	41292	QPSK	1	0	0	0	1	0	22.31	23
39750	39948	16QAM	1	0	0	0	1	0	21.58	22
40185	39987	16QAM	1	0	0	0	1	0	21.49	22
40620	40422	16QAM	1	0	0	0	1	0	21.59	22
41055	40857	16QAM	1	0	0	0	1	0	21.32	22
41490	41292	16QAM	1	0	0	0	1	0	21.46	22
39750	39948	64QAM	1	0	0	0	1	0	21.30	22
40185	39987	64QAM	1	0	0	0	1	0	21.24	22
40620	40422	64QAM	1	0	0	0	1	0	21.16	22
41055	40857	64QAM	1	0	0	0	1	0	21.32	22
41490	41292	64QAM	1	0	0	0	1	0	21.02	22
39750	39948	QPSK	50	0	0	0	1	0	21.27	22
40185	39987	QPSK	50	0	0	0	1	0	21.40	22
40620	40422	QPSK	50	0	0	0	1	0	21.45	22
41055	40857	QPSK	50	0	0	0	1	0	21.33	22
41490	41292	QPSK	50	0	0	0	1	0	21.02	22

CA_41C (Class3)										
Combination:20MHz+20MHz(100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
			RB Size	RB Offset	RB Size	RB Offset				
39750	39948	QPSK	1	0	0	0	1	0	20.75	21.5
40185	39987	QPSK	1	0	0	0	1	0	20.82	21.5
40620	40422	QPSK	1	0	0	0	1	0	20.86	21.5
41055	40857	QPSK	1	0	0	0	1	0	20.78	21.5
41490	41292	QPSK	1	0	0	0	1	0	20.73	21.5
39750	39948	16QAM	1	0	0	0	1	0	19.92	20.5
40185	39987	16QAM	1	0	0	0	1	0	19.81	20.5
40620	40422	16QAM	1	0	0	0	1	0	19.75	20.5
41055	40857	16QAM	1	0	0	0	1	0	19.67	20.5
41490	41292	16QAM	1	0	0	0	1	0	19.72	20.5
39750	39948	64QAM	1	0	0	0	1	0	19.42	20.5
40185	39987	64QAM	1	0	0	0	1	0	19.44	20.5
40620	40422	64QAM	1	0	0	0	1	0	19.26	20.5
41055	40857	64QAM	1	0	0	0	1	0	19.38	20.5
41490	41292	64QAM	1	0	0	0	1	0	19.42	20.5
39750	39948	QPSK	50	0	0	0	1	0	19.87	20.5
40185	39987	QPSK	50	0	0	0	1	0	19.92	20.5
40620	40422	QPSK	50	0	0	0	1	0	19.94	20.5
41055	40857	QPSK	50	0	0	0	1	0	19.72	20.5
41490	41292	QPSK	50	0	0	0	1	0	19.55	20.5

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	CA_2C	2	20	18801	1870.1		2	20	18999	1889.9	21.65	22.64
	CA_2A-12A	2	20	18700	1860	QPSK/1#0	12	5	23035	701.5	21.46	22.64
	CA_2A-71A	2	20	18700	1860	QPSK/1#0	71	20	68786	637	21.54	22.64
	CA_2A-2A	2	20	18700	1860	QPSK/1#0	2	20	19100	1900	21.44	22.64
	CA_2A-4A	2	20	18700	1860	QPSK/1#0	4	20	20300	1745	21.43	22.64
	CA_2A-66A	2	20	18700	1860	QPSK/1#0	66	20	67236	2190	21.64	22.64
	CA_2A-5A	2	20	18700	1860	QPSK/1#0	5	10	20450	829	21.53	22.64
	CA_4A-12A	4	20	20050	1720	QPSK/1#0	12	5	23035	701.5	18.32	23.50
	CA_4A-71A	4	20	20050	1720	QPSK/1#0	71	20	68786	782	18.36	23.50
	CA_4A-5A	4	20	20050	1720	QPSK/1#0	5	10	20450	829	18.31	23.50
	CA_4A-4A	4	20	20050	1720	QPSK/1#0	4	20	20300	1745	18.21	23.50
	CA_5A-66A	5	10	20450	829	QPSK/1#0	66	20	67236	2190	21.68	23.17
	CA_5B	5	10	20501	834.1	QPSK/1#0	5	10	20600	844	22.33	23.17
	CA_5A-5A	5	10	20450	829	QPSK/1#0	5	10	20600	844	22.41	23.17
	CA_12A-66A	12	5	23035	701.5	QPSK/1#0	66	20	67236	2190	22.74	23.45
	CA_25A-25A	25	20	26140	1860	QPSK/1#0	25	20	26590	1905	21.64	22.68
	CA_26A-41A	26	15	26865	831.5	QPSK/1#0	41	20	41490	2680	22.31	22.64
	CA_41C	41	20	41292	2660.2	QPSK/1#0	41	20	41490	2680	22.62	25.45
	CA_41A-41A	41	20	39750	2506	QPSK/1#0	41	20	41490	2680	20.66	25.45
	CA_66A-71A	66	20	132072	1720	QPSK/1#0	71	20	68786	782	17.55	23.65
	CA_66A-66A	66	20	132072	1720	QPSK/1#0	66	20	132572	1770	18.23	23.65
	CA_66B	66	10	132523	1765.1	QPSK/1#0	66	10	132622	1775	17.15	23.65
	CA_66C	66	20	132572	1770	QPSK/1#0	66	20	67234	2189.8	18.77	23.65
	CA_2A-13A	2	20	18700	1860	QPSK/1#0	13	10	23230	782	21.61	22.64
CA_4A-13A	4	20	20050	1720	QPSK/1#0	13	10	23230	782	18.68	23.50	
CA_13A-66A	13	10	23230	782	QPSK/1#0	66	20	67236	2190	21.61	22.35	

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)
Intra-band	CA_25A-26A	25	10	26365	1882.5	QPSK/1#0	26	10	26990	844	23.12
	CA_2A-17A	2	10	18900	1880	QPSK/1#0	17	10	23790	710	22.85
	CA_4A-17A	4	10	20175	1732.5	QPSK/1#0	17	10	23790	710	22.94

2.4GHz WLAN

2.4GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	12.52	13.00	14	98.79
		CH 7	2442	14.70	15.50	14	
		CH 13	2472	13.43	14.00	14	
	802.11g 6Mbps	CH 1	2412	9.75	10.50	12	98.31
		CH 7	2442	11.76	12.50	12	
		CH 13	2472	6.41	11.00	8	
	802.11n-HT20 MCS0	CH 1	2412	9.63	10.00	12	98.18
		CH 7	2442	11.66	12.50	12	
		CH 13	2472	5.64	11.00	7	
802.11n-HT40 MCS0	CH 1	2412	10.81	11.50	12	94.87	
	CH 7	2442	12.32	13.00	12		
	CH 13	2472	10.33	11.00	12		

5GHz WLAN

5.2GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	10.20	11.00	12	98.31
		CH 44	5220	11.28	12.00	12	
		CH 48	5240	11.63	12.00	12	
	802.11n-HT20 MCS0	CH 36	5180	10.13	11.00	12	98.18
		CH 44	5220	11.17	12.00	12	
		CH 48	5240	11.57	12.00	12	
	802.11n-HT40 MCS0	CH 38	5190	11.27	12.00	12	96.37
		CH 46	5230	12.19	13.00	12	
	802.11ac-VHT20 MCS0	CH 36	5180	8.47	9.00	10	98.20
		CH 44	5220	9.47	10.00	10	
		CH 48	5240	9.84	10.00	10	
	802.11ac-VHT40 MCS0	CH 38	5190	9.55	10.00	10	96.41
		CH 46	5230	10.48	11.00	10	
	802.11ac-VHT80 MCS0	CH 42	5210	9.78	10.00	10	92.68

5GHz WLAN

5.8GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a MCS0	CH 149	5745	12.63	13.00	12	98.31
		CH 157	5785	10.53	11.00	12	
		CH 165	5825	8.94	9.50	12	
	802.11n-HT20 MCS0	CH 149	5745	12.43	13.00	12	98.18
		CH 157	5785	10.43	11.00	12	
		CH 165	5825	8.85	9.50	12	
	802.11n-HT40 MCS0	CH 151	5755	12.97	13.50	12	96.37
		CH 159	5795	11.04	12.00	12	
	802.11ac-VHT20 MCS0	CH 149	5745	10.63	11.00	10	98.20
		CH 157	5785	8.94	9.50	10	
		CH 165	5825	6.25	7.00	10	
	802.11ac-VHT40 MCS0	CH 151	5755	11.14	12.00	10	96.41
CH 159		5795	9.19	10.00	10		
802.11ac-VHT80 MCS0	CH 155	5775	10.04	11.00	10	92.68	

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	8.81	5.67	6.64
	CH 39	2441	7.71	6.79	7.68
	CH 78	2480	7.79	5.01	5.07
Tune-up Limit			9.5	7	8
Duty Cycle %			77.2	77.6	77.6

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	2.22
	CH 19	2440	4.09
	CH 39	2480	0.86
Tune-up Limit			4.5
Duty Cycle %			66.03