

## 2CA DL

CA List	PCC							SCC				Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	(MHz)	Freq (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq (MHz)	Channel	Tx Power (dBm)	Tx Power (dBm)
CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	21.80	21.98
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	23.23	23.45
CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	21.90	21.98
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	22.21	22.31
CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	21.78	21.98
	Band 12	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	23.10	23.17
CA_2A-13A	Band 2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5330	21.78	21.98
	Band 13	10M	782	23230	QPSK	1	0	Band 2	20M	1960	900	21.77	21.78
CA_2A-29A	Band 2	20M	1880	18900	QPSK	1	0	Band 29	10M	722.5	9715	21.87	21.98
CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.34	23.45
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	22.23	22.31
CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	23.56	23.45
	Band 12	10M	707.5	23095	QPSK	1	0	Band 4	20M	2132.5	2175	23.10	23.17
CA_4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	23.23	23.45
	Band 13	10M	782	23230	QPSK	1	0	Band 4	20M	2132.5	2175	21.67	21.78
CA_4A-29A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 29	10M	722.5	9715	23.22	23.45
CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	22.21	22.31
	Band 7	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	21.89	21.98
CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	21.88	21.98
CA_7B	Band 7	15M	2535	21100	QPSK	1	0	Band 7	5M	2664.8	3193	21.61	21.65
CA_7C	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	21.65	21.98
CA_41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	23.10	23.29
CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	21.87	21.98
CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	23.21	23.45
CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	21.67	21.98
CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	23.21	23.29



2.4GHz WLAN		Ant 1				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	17.93	18.50	100.00	
	6	2437	18.22	18.50		
	11	2462	18.15	18.50		
802.11g 6Mbps	1	2412	14.20	14.50	94.68	
	6	2437	16.19	16.50		
	11	2462	15.99	16.00		
802.11n-HT20 MCS0	1	2412	12.75	13.00	94.98	
	2	2417	15.13	16.00		
	6	2437	17.61	18.00		
	10	2457	15.34	16.00		
	11	2462	12.71	13.00		
802.11n-HT40 MCS0	3	2422	10.97	12.00	90.35	
	6	2437	12.11	12.50		
	9	2452	11.58	12.00		

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412				
	6	2437				
	11	2462				
802.11g 6Mbps	1	2412				
	6	2437				
	11	2462				
802.11n-HT20 MCS0	1	2412	15.91	16.00	94.31	
	2	2417	18.25	19.00		
	6	2437	20.65	21.00		
	10	2457	18.49	19.00		
	11	2462	15.63	16.00		
802.11n-HT40 MCS0	3	2422	14.14	15.00	90.35	
	6	2437	15.15	15.50		
	9	2452	14.42	15.00		

5GHz WLAN		Ant 1				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	12.97	13.50	95.30	
	40	5200	12.88	13.50		
	44	5220	12.96	13.50		
	48	5240	13.04	13.50		
802.11n-HT20 MCS0	36	5180	13.02	13.50	94.72	
	40	5200	12.83	13.50		
	44	5220	12.86	13.50		
	48	5240	12.98	13.50		
802.11n-HT40 MCS0	38	5190	9.76	10.50	91.14	
	46	5230	12.43	13.00		
802.11ac-VHT20 MCS0	36	5180	13.04	13.50	94.71	
	40	5200	12.85	13.50		
	44	5220	12.88	13.50		
	48	5240	13.00	13.50		
802.11ac-VHT40 MCS0	38	5190	9.76	10.50	91.20	
	46	5230	12.43	13.00		
802.11ac-VHT80 MCS0	42	5210	1.51	2.50	84.35	

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180				
	40	5200				
	44	5220				
	48	5240				
802.11n-HT20 MCS0	36	5180	15.96	16.50	94.72	
	40	5200	16.00	16.50		
	44	5220	16.10	16.50		
	48	5240	16.09	16.50		
802.11n-HT40 MCS0	38	5190	13.06	13.50	91.14	
	46	5230	15.73	16.00		
802.11ac-VHT20 MCS0	36	5180	15.98	16.50	94.71	
	40	5200	16.01	16.50		
	44	5220	16.08	16.50		
	48	5240	16.10	16.50		
802.11ac-VHT40 MCS0	38	5190	13.07	13.50	91.03	
	46	5230	15.74	16.00		
802.11ac-VHT80 MCS0	42	5210	4.82	5.50	83.90	

5GHz WLAN		Ant 1				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	12.99	13.50	95.30	
	56	5280	12.87	13.50		
	60	5300	12.75	13.50		
	64	5320	12.94	13.50		
802.11n-HT20 MCS0	52	5260	13.05	13.50	94.72	
	56	5280	12.78	13.50		
	60	5300	12.77	13.50		
	64	5320	12.71	13.50		
802.11n-HT40 MCS0	54	5270	12.58	13.00	91.14	
	62	5310	6.85	7.50		
802.11ac-VHT20 MCS0	52	5260	13.07	13.50	94.71	
	56	5280	12.80	13.50		
	60	5300	12.79	13.50		
	64	5320	12.73	13.50		
802.11ac-VHT40 MCS0	54	5270	12.58	13.00	91.20	
	62	5310	6.85	7.50		
802.11ac-VHT80 MCS0	58	5290	2.03	2.50	84.35	

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260				
	56	5280				
	60	5300				
	64	5320				
802.11n-HT20 MCS0	52	5260	15.99	16.50	94.72	
	56	5280	15.97	16.50		
	60	5300	16.07	16.50		
	64	5320	16.12	16.50		
802.11n-HT40 MCS0	54	5270	15.71	16.00	91.14	
	62	5310	10.17	10.50		
802.11ac-VHT20 MCS0	52	5260	15.87	16.50	94.71	
	56	5280	15.98	16.50		
	60	5300	16.08	16.50		
	64	5320	16.01	16.50		
802.11ac-VHT40 MCS0	54	5270	15.73	16.00	91.03	
	62	5310	10.19	10.50		
802.11ac-VHT80 MCS0	58	5290	5.24	5.50	83.90	

5GHz WLAN		Ant 1				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	12.83	13.50	95.30	
	116	5580	12.39	13.50		
	124	5620	12.82	13.50		
	132	5660	12.74	13.50		
802.11n-HT20 MCS0	100	5500	12.55	13.50	94.72	
	116	5580	12.58	13.50		
	124	5620	12.47	13.50		
	132	5660	12.38	13.50		
802.11n-HT40 MCS0	102	5510	10.15	11.00	91.14	
	110	5550	12.33	13.00		
802.11ac-VHT20 MCS0	100	5500	12.57	13.50	94.71	
	116	5580	12.60	13.50		
	124	5620	12.49	13.50		
	132	5660	12.40	13.50		
802.11ac-VHT40 MCS0	102	5510	10.15	11.00	91.20	
	110	5550	12.33	13.00		
802.11ac-VHT80 MCS0	122	5610	9.82	10.50	84.35	

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500				
	116	5580				
	124	5620				
	132	5660				
802.11n-HT20 MCS0	100	5500	15.71	16.50	94.72	
	116	5580	15.58	16.50		
	124	5620	15.57	16.50		
	132	5660	15.58	16.50		
802.11n-HT40 MCS0	102	5510	13.42	14.00	91.14	
	110	5550	15.66	16.00		
802.11ac-VHT20 MCS0	100	5500	15.72	16.50	94.71	
	116	5580	15.60	16.50		
	124	5620	15.61	16.50		
	132	5660	15.59	16.50		
802.11ac-VHT40 MCS0	102	5510	14.09	14.50	91.03	
	110	5550	13.44	14.00		
802.11ac-VHT80 MCS0	122	5610	15.64	16.00	83.90	

5GHz WLAN		Ant 1				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	13.68	14.50	95.30	
	157	5785	14.02	14.50		
	165	5825	13.94	14.50		
802.11n-HT20 MCS0	149	5745	13.65	14.50	94.72	
	157	5785	13.92	14.50		
	165	5825	13.83	14.50		
802.11n-HT40 MCS0	151	5755	13.57	14.00	91.14	
	159	5795	13.78	14.00		
802.11ac-VHT20 MCS0	149	5745	13.67	14.50	94.71	
	157	5785	13.94	14.50		
	165	5825	13.85	14.50		
802.11ac-VHT40 MCS0	151	5755	13.57	14.00	91.20	
	159	5795	13.78	14.00		
802.11ac-VHT80 MCS0	155	5775	10.82	11.50	84.35	

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745				
	157	5785				
	165	5825				
802.11n-HT20 MCS0	149	5745	16.88	17.50	94.72	
	157	5785	16.82	17.50		
	165	5825	16.88	17.50		
802.11n-HT40 MCS0	151	5755	16.68	17.00	91.14	
	159	5795	16.75	17.00		
802.11ac-VHT20 MCS0	149	5745	16.89	17.50	94.71	
	157	5785	16.90	17.50		
	165	5825	16.84	17.50		
802.11ac-VHT40 MCS0	151	5755	16.70	17.00	91.03	
	159	5795	16.76	17.00		
802.11ac-VHT80 MCS0	155	5775	14.04	14.50	83.90	

BT BR/EDR		Average power (dBm)		
Mode	Channel	Frequency (MHz)	1Mbps	3Mbps
BR/EDR	CH 00	2402	5.00	1.82
	CH 39	2441	4.92	1.72
	CH 78	2480	5.98	3.09
Tune-up Limit			6	3.5

BT LE 4.0		Average power (dBm)	
Mode	Channel	Frequency (MHz)	GFSK
LE	CH 00	2402	1.12
	CH 19	2440	0.82
	CH 39	2480	1.09
Tune-up Limit			1.5

BT LE 5.1		Average power (dBm)	
Mode	Channel	Frequency (MHz)	1Mbps
LE	CH 00	2402	1.05
	CH 19	2440	0.52
	CH 39	2480	0.78
Tune-up Limit			1.5