



2.4GHz WLAN					Ant 0 Left Ant	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	19.70	21.00	97.86	
	6	2437	19.30	21.00		
	11	2462	19.00	20.50		
	12	2467	19.70	21.00		
	13	2472	19.30	20.50		
802.11g 6Mbps	1	2412	17.40	19.50	98.97	
	6	2437	16.40	20.00		
	11	2462	17.20	18.50		
	12	2467	15.90	17.50		
	13	2472	3.50	5.00		
802.11n-HT20 MCS0	1	2412	18.00	19.50	100.00	
	6	2437	17.60	19.50		
	11	2462	18.40	20.00		
	12	2467	15.60	17.00		
	13	2472	1.70	3.00		
802.11ac-VHT20 MCS0	1	2412	18.10	19.50	100.00	
	6	2437	17.70	19.50		
	11	2462	18.50	20.00		
	12	2467	15.70	17.00		
	13	2472	1.80	3.50		
802.11ax-HE20 MCS0	1	2412	18.20	19.50	100.00	
	6	2437	17.80	19.50		
	11	2462	18.60	20.00		
	12	2467	15.80	17.50		
	13	2472	1.90	3.50		

2.4GHz WLAN					Ant 0 Right Ant	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	19.50	21.00	97.86	
	6	2437	19.80	21.00		
	11	2462	19.80	21.00		
	12	2467	19.80	21.00		
	13	2472	17.30	19.50		
802.11g 6Mbps	1	2412	17.70	18.50	99.31	
	6	2437	16.80	20.00		
	11	2462	17.50	18.50		
	12	2467	16.20	18.00		
	13	2472	3.50	5.00		
802.11n-HT20 MCS0	1	2412	18.50	20.00	100.00	
	6	2437	18.50	20.00		
	11	2462	18.50	20.00		
	12	2467	15.80	17.50		
	13	2472	1.90	3.50		
802.11ac-VHT20 MCS0	1	2412	18.60	20.00	100.00	
	6	2437	18.60	20.00		
	11	2462	18.60	20.00		
	12	2467	15.90	17.50		
	13	2472	2.00	3.50		
802.11ax-HE20 MCS0	1	2412	18.70	20.00	100.00	
	6	2437	18.70	20.00		
	11	2462	18.70	20.00		
	12	2467	16.00	17.50		
	13	2472	2.10	3.50		

2.4GHz WLAN					Ant 0-1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412			97.86	
	6	2437	Not Required	Not Required		
	11	2462				
	12	2467				
	13	2472				
802.11g 6Mbps	1	2412	20.50	21.50	99.31	
	6	2437	21.61	23.00		
	11	2462	20.36	21.50		
	12	2467	19.06	20.50		
	13	2472	6.41	8.00		
802.11n-HT20 MCS0	1	2412	21.27	22.50	100.00	
	6	2437	21.58	22.50		
	11	2462	21.46	23.00		
	12	2467	18.71	20.00		
	13	2472	4.81	6.00		
802.11ac-VHT20 MCS0	1	2412	21.37	22.50	100.00	
	6	2437	21.18	22.50		
	11	2462	21.56	23.00		
	12	2467	18.91	20.00		
	13	2472	4.91	6.50		
802.11ax-HE20 MCS0	1	2412	21.47	22.50	100.00	
	6	2437	21.28	22.50		
	11	2462	21.66	23.00		
	12	2467	19.01	20.50		
	13	2472	5.01	6.50		

5.2GHz WLAN					Ant 0 Left Ant	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.30	17.50	99.32	
	40	5200	16.80	18.00		
	44	5220	16.60	18.00		
	48	5240	16.70	18.00		
	52	5260	15.60	17.00		
802.11n-HT20 MCS0	40	5200	16.50	18.00	100.00	
	44	5220	16.10	18.00		
	48	5240	15.90	17.50		
	52	5260	15.90	17.50		
	56	5280	15.70	17.00		
802.11ac-VHT20 MCS0	40	5200	16.60	18.00	100.00	
	44	5220	16.20	17.50		
	48	5240	16.00	17.00		
	52	5260	15.80	17.50		
	56	5280	15.60	17.00		
802.11ac-VHT40 MCS0	40	5200	18.00	19.50	100.00	
	46	5230	18.20	19.50		
	42	5210	18.00	19.50		
	36	5180	16.30	17.50		
	40	5200	16.90	18.00		
802.11ax-HE20 MCS0	44	5220	16.50	18.00	100.00	
	48	5240	16.60	18.00		
	38	5190	16.10	19.50		
	46	5230	18.30	19.50		
	42	5210	18.10	19.50		

5.2GHz WLAN					Ant 0 Right Ant	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.80	18.00	99.32	
	40	5200	17.70	18.50		
	44	5220	17.40	18.50		
	48	5240	17.20	18.50		
	52	5260	16.30	17.00		
802.11n-HT20 MCS0	40	5200	16.80	18.00	100.00	
	44	5220	17.00	18.00		
	48	5240	16.40	17.50		
	52	5260	16.50	17.50		
	56	5280	16.00	17.00		
802.11ac-VHT20 MCS0	40	5200	16.90	18.00	100.00	
	44	5220	17.10	18.00		
	48	5240	16.50	18.00		
	52	5260	16.60	18.00		
	56	5280	16.30	17.50		
802.11ac-VHT40 MCS0	46	5230	19.10	20.50	100.00	
	42	5210	18.00	19.50		
	36	5180	16.90	18.00		
	40	5200	17.40	18.50		
	44	5220	17.40	18.50		
802.11ax-HE20 MCS0	48	5240	17.20	18.50	100.00	
	38	5190	16.00	20.50		
	46	5230	19.20	20.50		
	42	5210	18.90	20.50		
	40	5200	17.40	18.50		

5.2GHz WLAN					Ant 0-1	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	19.57	20.50	99.32	
	40	5200	20.58	21.00		
	44	5220	20.03	21.00		
	48	5240	19.97	21.00		
	52	5260	19.76	20.00		
802.11n-HT20 MCS0	40	5200	19.98	21.00	100.00	
	44	5220	19.58	21.00		
	48	5240	19.17	20.00		
	52	5260	21.36	22.50		
	56	5280	18.86	20.00		
802.11ac-VHT20 MCS0	40	5200	19.98	21.00	100.00	
	44	5220	19.98	20.50		
	48	5240	19.27	20.50		
	52	5260	21.46	23.00		
	46	5230	21.68	23.00		
802.11ac-VHT40 MCS0	42	5210	21.43	22.50	100.00	
	36	5180	19.62	20.50		
	40	5200	20.38	21.00		
	44	5220	19.98	21.00		
	48	5240	19.93	21.00		
802.11ax-HE20 MCS0	38	5190	21.58	23.00	100.00	
	46	5230	21.78	23.00		
	42	5210	21.53	23.00		
	40	5200	20.38	21.00		
	44	5220	19.98	21.00		

5.3GHz WLAN			Ant 0 Left Ant		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5280	16.30	17.50	99.32
	56	5280	16.50	18.00	
	60	5300	16.60	18.00	
	64	5320	16.80	18.00	
	52	5280	15.80	17.00	
802.11n-HT20 MCS0	56	5280	15.60	17.00	100.00
802.11n-HT40 MCS0	56	5280	15.00	17.00	100.00
	54	5270	18.30	19.50	
	52	5260	18.30	19.50	
	50	5250	18.30	19.50	
	48	5240	18.30	19.50	
802.11a-White	56	5280	15.00	17.00	100.00
802.11a-White MCS0	56	5280	15.00	17.00	100.00
	54	5300	15.00	17.00	
	52	5320	15.60	17.00	
	50	5340	16.20	17.00	
	48	5360	16.80	17.00	
802.11a-White MCS0	52	5310	18.40	19.50	100.00
802.11a-White MCS0	56	5290	18.20	19.50	100.00
	54	5270	18.00	19.50	
	52	5250	17.80	19.50	
	50	5230	17.60	19.50	
	48	5210	17.40	19.50	
802.11a-White MCS0	52	5260	16.70	18.00	100.00
802.11a-White MCS0	56	5280	16.70	18.00	100.00
	54	5300	16.70	18.00	
	52	5320	16.70	18.00	
	50	5340	16.70	18.00	
	48	5360	16.70	18.00	
802.11a-White MCS0	54	5270	18.30	19.50	100.00
802.11a-White MCS0	52	5310	18.30	19.50	100.00
	50	5290	18.30	19.50	
	48	5270	18.30	19.50	
	46	5250	18.30	19.50	
	44	5230	18.30	19.50	
802.11a-White MCS0	50	5250	18.30	19.50	100.00
802.11a-White MCS0	50	5250	18.30	19.50	100.00
	48	5230	18.30	19.50	
	46	5210	18.30	19.50	
	44	5190	18.30	19.50	
	42	5170	18.30	19.50	



5.8GHz WLAN					Ant G Left Ant	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	18.30	19.00	99.32	
	157	5785	18.10	19.00		
	165	5825	19.30	19.00		
802.11a-HT20 MCS0	149	5745	17.80	19.00	100.00	
	157	5785	18.20	19.00		
	165	5825	18.10	19.00		
802.11a-HT40 MCS0	151	5765	17.80	19.00	100.00	
	159	5795	17.70	19.00		
	149	5745	17.90	19.00		
802.11ac-VHT20 MCS0	157	5785	19.00	19.00	100.00	
	165	5825	19.00	19.00		
	151	5765	17.90	19.00		
802.11ac-VHT40 MCS0	159	5795	17.80	19.00	100.00	
	155	5775	17.90	19.00		
	149	5745	18.00	19.00		
802.11ac-HE30 MCS0	157	5785	18.40	19.00	100.00	
	165	5825	18.30	19.00		
	151	5765	18.00	19.00		
802.11ac-HE40 MCS0	159	5795	17.90	19.00	100.00	
	155	5775	18.00	19.00		
	149	5745	18.00	19.00		

WIFI 6E					Ant G Left Ant	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11ax-HE30 MCS0	1	5955	-0.80	1.00	100.00	
	57	6235	-0.70	1.00		
	113	6515	-0.80	1.00		
	173	6815	-1.60	0.00		
	229	7095	-1.90	0.00		
802.11ax-HE40 MCS0	3	5985	3.00	4.00	100.00	
	59	6245	2.60	4.00		
	107	6485	3.10	4.00		
	171	6805	2.40	4.00		
	227	7085	1.40	3.00		
802.11ax-HE80 MCS0	7	5985	5.20	7.00	99.21	
	71	6305	5.80	7.00		
	119	6545	6.00	7.00		
	167	6785	5.00	7.00		
	215	7025	4.90	6.00		
802.11ax-HE160 MCS0	15	6025	8.00	10.00	99.08	
	47	6185	8.30	10.00		
	111	6505	8.80	10.00		
	175	6825	8.70	10.00		
	207	6985	8.40	10.00		

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH00	2402	2.43	2.77	2.74	4.00
	CH39	2441	2.80	3.07	3.15	4.00
	CH78	2480	1.88	2.35	2.38	3.00

BLE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1M	2M
LE	CH00	2402	1.80	
	CH19	2440	2.20	
	CH39	2480	1.20	
Tune-up Limit			3.00	

BLE 2M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1M	2M
LE	CH00	2402	1.80	
	CH19	2440	2.20	
	CH39	2480	1.10	
Tune-up Limit			3.00	

nRF

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1M	2M
nRF	CH00	2402 MHz	5.70	
	CH19	2440 MHz	5.70	
	CH39	2478 MHz	5.70	
Tune-up Limit			7.00	

Ant I Right Ant						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	19.10	20.00	99.32	
	157	5785	18.90	20.00		
	165	5825	19.30	20.00		
802.11a-HT20 MCS0	149	5745	18.80	20.00	100.00	
	157	5785	19.10	20.00		
	165	5825	19.10	20.00		
802.11a-HT40 MCS0	151	5765	18.80	20.00	100.00	
	159	5795	18.80	20.00		
	149	5745	18.90	20.00		
802.11ac-VHT20 MCS0	157	5785	19.20	20.00	100.00	
	165	5825	19.20	20.00		
	151	5765	19.00	20.00		
802.11ac-VHT40 MCS0	159	5795	18.90	20.00	100.00	
	155	5775	18.90	20.00		
	149	5745	19.00	20.00		
802.11ac-HE30 MCS0	157	5785	19.30	20.00	100.00	
	165	5825	19.30	20.00		
	151	5765	19.10	20.00		
802.11ac-HE40 MCS0	159	5795	19.00	20.00	100.00	
	155	5775	19.00	20.00		
	149	5745	19.00	20.00		

Ant I Right Ant						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11ax-HE30 MCS0	1	5955	-1.30	0.00	100.00	
	57	6235	-1.30	0.00		
	113	6515	-1.80	0.00		
	173	6815	-1.60	0.00		
	229	7095	-1.90	0.00		
802.11ax-HE40 MCS0	3	5985	2.40	4.00	100.00	
	59	6245	2.10	3.00		
	107	6485	2.40	4.00		
	171	6805	1.80	3.00		
	227	7085	1.40	3.00		
802.11ax-HE80 MCS0	7	5985	4.80	6.00	99.20	
	71	6305	5.20	6.00		
	119	6545	5.30	7.00		
	167	6785	5.00	7.00		
	215	7025	5.00	6.00		
802.11ax-HE160 MCS0	15	6025	9.00	11.00	99.45	
	47	6185	8.90	10.00		
	111	6505	9.40	11.00		
	175	6825	9.30	10.00		
	207	6985	9.00	10.00		

Ant G+1						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	21.73	23.00	99.32	
	157	5785	21.53	23.00		
	165	5825	21.84	23.00		
802.11a-HT20 MCS0	149	5745	21.34	23.00	100.00	
	157	5785	21.88	23.00		
	165	5825	21.64	23.00		
802.11a-HT40 MCS0	151	5765	21.40	23.00	100.00	
	159	5795	21.30	22.50		
	149	5745	21.44	23.00		
802.11ac-VHT20 MCS0	157	5785	21.78	23.00	100.00	
	165	5825	21.74	23.00		
	151	5765	21.50	23.00		
802.11ac-VHT40 MCS0	159	5795	21.40	23.00	100.00	
	155	5775	21.44	23.00		
	149	5745	21.54	23.00		
802.11ac-HE30 MCS0	157	5785	21.88	23.00	100.00	
	165	5825	21.84	23.00		
	151	5765	21.80	23.00		
802.11ac-HE40 MCS0	159	5795	21.50	23.00	100.00	
	155	5775	21.54	23.00		
	149	5745	21.54	23.00		

Ant G+1						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
WiFi E	802.11ax-HE30 MCS0	1	5955	1.97	3.00	100.00
		57	6239	2.02	3.00	
		113	6515	1.83	3.00	
		173	6815	1.41	3.00	
		229	7095	1.61	3.00	
	802.11ax-HE40 MCS0	3	5985	5.72	7.00	100.00
		59	6245	5.37	6.00	
		107	6485	5.77	7.00	
		171	6805	5.12	6.00	
		227	7085	4.41	6.00	
	802.11ax-HE80 MCS0	7	5985	8.01	9.00	99.21
		71	6305	8.01	10.00	
		119	6545	8.91	10.00	
		167	6785	8.06	10.00	
		215	7025	7.96	9.00	
802.11ax-HE160 MCS0	15	6025	11.83	13.00	99.45	
	47	6185	11.62	13.00		
	111	6505	12.77	13.00		
	175	6825	11.81	13.00		
	227	6985	11.72	13.00		