

FCC 2.4GHz Power Table-Radio 1



Standard:		FCC Part 15.247	Test Date:		2019.10.21	Temperature:		25°C		Humidity:		55%RH		
Project No.:		1992128R			Product Name:		Wireless Access point	Model Name:		AP410C	Test Site:		TR8	
Antenna Gain(dBi)		Ant 4	4.00											
Operating temperature range:		Low	0°C		Nor		25°C	High	40°C	Test Engineer		Pawn		
Antenna Technology:		SISO												
Mode:		802.11b	Data Rate:		1Mbps		Conducted power SISO mode						Power Index	
Test Conditions		Channel	Frequency (MHz)	Reading Level Avg. (dBm)		Total Power Ant 4 Avg. (dBm)		Limit Avg. (dBm)		Pass/Fail	Ant 4			
Tnom (25 °C)	Vnom (120V)	1	2412	22.35		22.35		30	Pass	0				
		2	2417	22.63		22.63		30	Pass	0				
		6	2437	22.71		22.71		30	Pass	0				
		10	2457	22.93		22.93		30	Pass	0				
		11	2462	22.26		22.26		30	Pass	1				
Mode:		802.11g	Data Rate:		6Mbps		Conducted power SISO mode						Power Index	
Test Conditions		Channel	Frequency (MHz)	Reading Level Avg. (dBm)		Total Power Ant 4 Avg. (dBm)		Limit Avg. (dBm)		Pass/Fail	Ant 4			
Tnom (25 °C)	Vnom (120V)	1	2412	20.52		20.52		30	Pass	79				
		2	2417	21.03		21.03		30	Pass	80				
		6	2437	20.79		20.79		30	Pass	80				
		10	2457	20.71		20.71		30	Pass	79				
		11	2462	19.87		19.87		30	Pass	75				
Mode:		802.11n(20MHz)	Data Rate:		MCS0		Conducted power SISO mode						Power Index	
Test Conditions		Channel	Frequency (MHz)	Reading Level Avg. (dBm)		Total Power Ant 4 Avg. (dBm)		Limit Avg. (dBm)		Pass/Fail	Ant 4			
Tnom (25 °C)	Vnom (120V)	1	2412	20.49		20.49		30	Pass	79				
		2	2417	20.92		20.92		30	Pass	80				
		6	2437	20.73		20.73		30	Pass	80				
		10	2457	20.98		20.98		30	Pass	80				
		11	2462	19.62		19.62		30	Pass	74				
Mode:		802.11ax(20MHz)	Data Rate:		HEONSS1		Conducted power SISO mode						Power Index	
Test Conditions		Channel	Frequency (MHz)	Reading Level Avg. (dBm)		Total Power Ant 4 Avg. (dBm)		Limit Avg. (dBm)		Pass/Fail	Ant 4			
Tnom (25 °C)	Vnom (120V)	1	2412	20.15		20.15		30	Pass	75				
		2	2417	21.31		21.31		30	Pass	80				
		6	2437	21.46		21.46		30	Pass	80				
		10	2457	21.29		21.29		30	Pass	80				
		11	2462	19.96		19.96		30	Pass	74				

FCC 2.4GHz Power Table-Radio 2



FCC 2.4GHz Power Table-Radio 2											
Standard:	FCC Part 15.247	Test Date:	2019.10.21	Temperature:	25°C		Humidity:	55%RH			
Project No.:	199212BR			Product Name:	Wireless Access point	Model Name:	AP410C	Test Site:	TR8		
Antenna Gain(dBi)	Ant 1	3.80		Ant 2	3.90						
CDD-Directional Gain-Power(dBi)	3.90										
BF-Directional Gain-Power(dBi)	6.91										
Operating temperature range:	Low	0°C	Nor	25°C	High	40°C	Test Engineer	Pawn			
Antenna Technology:	SISO										
Mode:	802.11b	Data Rate:	1Mbps	Conducted power SISO mode						Power Index	
Test Conditions	Channel	Frequency (MHz)	Ant1 Reading Level Avg. (dBm)		Ant2 Reading Level Avg. (dBm)		Total Power Avg. (dBm)		Limit		
			Ant1	Ant2	Ant1	Ant2	Pass/Fail	Ant 1	Ant 2		
Tnom (25 °C)	Vnom (120V)	1	2412	21.73	21.33	21.73	21.33	30	Pass	0	0
		2	2417	21.86	21.46	21.86	21.46	30	Pass	0	0
		6	2437	21.82	21.49	21.82	21.49	30	Pass	0	0
		10	2457	22.16	21.73	22.16	21.73	30	Pass	0	0
		11	2462	21.67	21.26	21.67	21.26	30	Pass	1	1
Mode:	802.11g	Data Rate:	6Mbps	Conducted power SISO mode						Power Index	
Test Conditions	Channel	Frequency (MHz)	Ant1 Reading Level Avg. (dBm)		Ant2 Reading Level Avg. (dBm)		Total Power Avg. (dBm)		Limit		
			Ant1	Ant2	Ant1	Ant2	Pass/Fail	Ant 1	Ant 2		
Tnom (25 °C)	Vnom (120V)	1	2412	19.79	19.29	19.79	19.29	30	Pass	79	79
		2	2417	20.35	19.76	20.35	19.76	30	Pass	80	80
		6	2437	20.51	19.92	20.51	19.92	30	Pass	80	80
		10	2457	20.27	19.65	20.27	19.65	30	Pass	79	79
		11	2462	19.11	18.69	19.11	18.69	30	Pass	75	75
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power SISO mode						Power Index	
Test Conditions	Channel	Frequency (MHz)	Ant1 Reading Level Avg. (dBm)		Ant2 Reading Level Avg. (dBm)		Total Power Avg. (dBm)		Limit		
			Ant1	Ant2	Ant1	Ant2	Pass/Fail	Ant 1	Ant 2		
Tnom (25 °C)	Vnom (120V)	1	2412	19.81	19.32	19.81	19.32	30	Pass	79	79
		2	2417	20.31	19.73	20.31	19.73	30	Pass	80	80
		6	2437	20.55	19.96	20.55	19.96	30	Pass	80	80
		10	2457	20.33	19.69	20.33	19.69	30	Pass	80	80
		11	2462	19.06	18.51	19.06	18.51	30	Pass	74	74
Mode:	802.11ax(20MHz)	Data Rate:	HEONSS1	Conducted power SISO mode						Power Index	
Test Conditions	Channel	Frequency (MHz)	Ant1 Reading Level Avg. (dBm)		Ant2 Reading Level Avg. (dBm)		Total Power Avg. (dBm)		Limit		
			Ant1	Ant2	Ant1	Ant2	Pass/Fail	Ant 1	Ant 2		
Tnom (25 °C)	Vnom (120V)	1	2412	19.26	18.71	19.26	18.71	30	Pass	75	75
		2	2417	20.51	19.96	20.51	19.96	30	Pass	80	80
		6	2437	20.98	20.53	20.98	20.53	30	Pass	80	80
		10	2457	21.07	20.59	21.07	20.59	30	Pass	80	80
		11	2462	19.16	18.65	19.16	18.65	30	Pass	74	74
Antenna Technology:	CDD										
Mode:	802.11b	Data Rate:	1Mbps	Conducted power MIMO Mode(2TX+2RX)						Power Index	
Test Conditions	Channel	Frequency (MHz)	Ant 1+2 Reading Level Avg. (dBm)		Total Power Avg. (dBm)		Limit				
			Ant1	Ant2	Ant1	Ant2	Pass/Fail	Ant 1	Ant 2		
Tnom (25 °C)	Vnom (120V)	1	2412	21.75	21.36	21.75	21.36	30	Pass	0	0
		2	2417	21.89	21.51	21.89	21.51	30	Pass	0	0
		6	2437	21.76	21.43	21.76	21.43	30	Pass	0	0
		10	2457	22.12	21.62	22.12	21.62	30	Pass	0	0
		11	2462	21.93	21.68	21.93	21.68	30	Pass	0	0
Mode:	802.11g	Data Rate:	6Mbps	Conducted power MIMO Mode(2TX+2RX)						Power Index	
Test Conditions	Channel	Frequency (MHz)	Ant 1+2 Reading Level Avg. (dBm)		Total Power Avg. (dBm)		Limit				
			Ant1	Ant2	Ant1	Ant2	Pass/Fail	Ant 1	Ant 2		
Tnom (25 °C)	Vnom (120V)	1	2412	19.72	19.31	19.72	19.31	30	Pass	78	78
		2	2417	20.31	19.82	20.31	19.82	30	Pass	79	79
		6	2437	20.46	19.98	20.46	19.98	30	Pass	80	80
		10	2457	19.41	18.97	19.41	18.97	30	Pass	76	76
		11	2462	18.39	17.98	18.39	17.98	30	Pass	72	72
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(2TX+2RX)						Power Index	
Test Conditions	Channel	Frequency (MHz)	Ant 1+2 Reading Level Avg. (dBm)		Total Power Avg. (dBm)		Limit				
			Ant1	Ant2	Ant1	Ant2	Pass/Fail	Ant 1	Ant 2		
Tnom (25 °C)	Vnom (120V)	1	2412	18.29	17.92	18.29	17.92	30	Pass	72	72
		2	2417	20.29	19.68	20.29	19.68	30	Pass	80	80
		6	2437	20.51	19.98	20.51	19.98	30	Pass	80	80
		10	2457	19.45	18.91	19.45	18.91	30	Pass	76	76
		11	2462	18.16	17.82	18.16	17.82	30	Pass	71	71
Mode:	802.11ax(20MHz)	Data Rate:	HEONSS1	Conducted power MIMO Mode(2TX+2RX)						Power Index	
Test Conditions	Channel	Frequency (MHz)	Ant 1+2 Reading Level Avg. (dBm)		Total Power Avg. (dBm)		Limit				
			Ant1	Ant2	Ant1	Ant2	Pass/Fail	Ant 1	Ant 2		
Tnom (25 °C)	Vnom (120V)	1	2412	18.66	18.25	18.66	18.25	30	Pass	71	71
		2	2417	20.36	20.03	20.36	20.03	30	Pass	77	77
		6	2437	21.03	20.68	21.03	20.68	30	Pass	80	80
		10	2457	19.31	18.95	19.31	18.95	30	Pass	73	73
		11	2462	18.52	18.11	18.52	18.11	30	Pass	69	69
Antenna Technology:	Beamforming										
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(2TX+2RX)						Power Index	
Test Conditions	Channel	Frequency (MHz)	Ant 1+2 Reading Level Avg. (dBm)		Total Power Avg. (dBm)		Limit				
			Ant1	Ant2	Ant1	Ant2	Pass/Fail	Ant 1	Ant 2		
Tnom (25 °C)	Vnom (120V)	1	2412	18.39	17.82	18.39	17.82	30	Pass	72	72
		2	2417	20.33	19.77	20.33	19.77	30	Pass	80	80
		6	2437	20.59	20.03	20.59	20.03	30	Pass	80	80
		10	2457	19.58	19.06	19.58	19.06	30	Pass	76	76
		11	2462	18.22	17.83	18.22	17.83	30	Pass	71	71
Mode:	802.11ax(20MHz)	Data Rate:	HEONSS1	Conducted power MIMO Mode(2TX+2RX)						Power Index	
Test Conditions	Channel	Frequency (MHz)	Ant 1+2 Reading Level Avg. (dBm)		Total Power Avg. (dBm)		Limit				
			Ant1	Ant2	Ant1	Ant2	Pass/Fail	Ant 1	Ant 2		
Tnom (25 °C)	Vnom (120V)	1	2412	18.63	18.19	18.63	18.19	30	Pass	71	71
		2	2417	20.32	19.89	20.32	19.89	30	Pass	77	77
		6	2437	21.01	20.65	21.01	20.65	30	Pass	80	80
		10	2457	19.35	18.91	19.35	18.91	30	Pass	73	73
		11	2462	18.55	18.03	18.55	18.03	30	Pass	69	69