

Appendix 2: Wi-Fi 5G Power Table

FCC Power - Dipole Antenna

FCC 5GHz Power Table-ETH7																			
Standard:	FCC Part 15.407		Test Date:	2021.01.05		Temperature:	25℃		Humidity:	55%RH									
Project No.:	2080117R				Product Name:	Wireless Access Point		Model Name:	APS10CX		Test Site:	TR8							
Antenna Gain(dBi)		Ant 1	6.00		Ant 2	6.00		Ant 3	6.00		Ant 4	6.00							
2*2 CDD-Directional Gain-Power(dBi)		6.00				2*2 BF-Directional Gain-Power(dBi)		9.01											
4*4 CDD-Directional Gain-Power(dBi)		6.00				4*4 BF-Directional Gain-Power(dBi)		12.02											
Antenna Technology:	CDD 2*2																		
Mode:	802.11a	Data Rate:	6Mbps		Conducted power MIMO Mode(2TX+2RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3			Ant 5					
Tnom (25℃)	Vnom (120V)	36	5180	17.33				16.90		20.13		30.00	Pass	37	37				
		44	5220	16.70				16.44		19.58		30.00	Pass	37	37				
		48	5240	17.20				16.57		19.91		30.00	Pass	36	36				
		52	5260	17.41				16.89		20.17		24.00	Pass	36	36				
		60	5300	17.28				16.41		19.88		24.00	Pass	36	36				
		64	5320	17.19				16.57		19.90		24.00	Pass	36	36				
Mode:	802.11n(20MHz)	Data Rate:	MCS0		Conducted power MIMO Mode(2TX+2RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3			Ant 5					
Tnom (25℃)	Vnom (120V)	36	5180	17.26				16.89		20.09		30.00	Pass	37	37				
		44	5220	17.52				16.87		20.22		30.00	Pass	36	36				
		48	5240	17.39				16.79		20.11		30.00	Pass	35	35				
		52	5260	17.41				16.88		20.16		24.00	Pass	36	36				
		60	5300	17.27				16.48		19.90		24.00	Pass	36	36				
		64	5320	17.37				16.43		19.94		24.00	Pass	36	36				
Mode:	802.11n(40MHz)	Data Rate:	MCS0		Conducted power MIMO Mode(2TX+2RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3			Ant 5					
Tnom (25℃)	Vnom (120V)	36	5190	15.97				15.29		18.65		30.00	Pass	39	39				
		46	5230	15.72				15.28		18.52		30.00	Pass	37	37				
		52	5270	15.65				15.16		18.42		24.00	Pass	36	36				
		60	5310	15.44				15.05		18.26		24.00	Pass	36	36				
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1		Conducted power MIMO Mode(2TX+2RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3			Ant 5					
Tnom (25℃)	Vnom (120V)	36	5180	17.33				16.80		20.08		30.00	Pass	37	37				
		44	5220	17.13				16.77		19.96		30.00	Pass	36	36				
		48	5240	17.06				16.99		20.04		30.00	Pass	35	35				
		52	5260	17.55				17.01		20.30		24.00	Pass	36	36				
		60	5300	17.15				16.49		19.84		24.00	Pass	36	36				
		64	5320	17.31				16.55		19.96		24.00	Pass	36	36				
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1		Conducted power MIMO Mode(2TX+2RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3			Ant 5					
Tnom (25℃)	Vnom (120V)	36	5190	15.52				14.67		18.13		30.00	Pass	40	40				
		46	5230	15.91				15.20		18.58		30.00	Pass	37	37				
		52	5270	15.78				15.03		18.43		24.00	Pass	36	36				
		60	5310	15.53				15.01		18.29		24.00	Pass	36	36				
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1		Conducted power MIMO Mode(2TX+2RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3			Ant 5					
Tnom (25℃)	Vnom (120V)	42	5210	14.93				14.76		17.86		30.00	Pass	40	40				
		58	5290	13.80				14.12		16.97		24.00	Pass	39	39				
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1		Conducted power MIMO Mode(2TX+2RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3			Ant 5					
Tnom (25℃)	Vnom (120V)	36	5180	17.06				16.93		20.01		30.00	Pass	37	37				
		44	5220	17.23				17.02		20.14		30.00	Pass	36	36				
		48	5240	17.65				16.80		20.26		30.00	Pass	35	35				
		52	5260	17.32				16.94		20.14		24.00	Pass	36	36				
		60	5300	16.91				16.58		19.76		24.00	Pass	36	36				
		64	5320	17.34				16.59		19.99		24.00	Pass	36	36				
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1		Conducted power MIMO Mode(2TX+2RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3			Ant 5					
Tnom (25℃)	Vnom (120V)	36	5190	15.47				14.92		18.21		30.00	Pass	40	40				
		46	5230	15.40				14.80		18.12		30.00	Pass	37	37				
		52	5270	15.03				14.92		17.99		24.00	Pass	36	36				
		60	5310	15.49				15.02		18.27		24.00	Pass	36	36				
Mode:	802.11ax(80MHz)	Data Rate:	HE0NSS1		Conducted power MIMO Mode(2TX+2RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3			Ant 5					
Tnom (25℃)	Vnom (120V)	42	5210	15.55				15.51		18.54		30.00	Pass	40	40				
		58	5290	13.85				14.16		17.02		24.00	Pass	39	39				
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1		Conducted power MIMO Mode(2TX+2RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3			Ant 5					
Tnom (25℃)	Vnom (120V)	50	5250	13.05				12.91		15.99		24.00	Pass	40	40				
Antenna Technology:	CDD 4*4																		
Mode:	802.11a	Data Rate:	6Mbps		Conducted power MIMO Mode(4TX+4RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Ant6		Ant7		Avg. (dBm (Ant 1+2+3+4))					Avg. (dBm)	Pass/Fail	Ant 3	Ant 5
Tnom (25℃)	Vnom (120V)	36	5180	14.93		14.60		14.31		13.92		20.45		30.00	Pass	43	43	43	43
		44	5220	14.78		14.48		13.87		13.73		20.26		30.00	Pass	42	42	42	42
		48	5240	14.76		14.60		14.30		13.89		20.42		30.00	Pass	41	41	41	41
		52	5260	11.77		11.23		11.70		11.10		17.48		24.00	Pass	45	45	45	45
		60	5300	11.92		11.34		11.92		10.85		17.55		24.00	Pass	44	44	44	44
		64	5320	11.96		11.56		12.10		11.29		17.76		24.00	Pass	43	43	43	43
Mode:	802.11n(20MHz)	Data Rate:	MCS0		Conducted power MIMO Mode(4TX+4RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Ant6		Ant7		Avg. (dBm (Ant 1+2+3+4))					Avg. (dBm)	Pass/Fail	Ant 3	Ant 5
Tnom (25℃)	Vnom (120V)	36	5180	14.21		14.05		13.66		13.25		19.63		30.00	Pass	43	43	43	43
		44	5220	14.19		14.01		13.42		13.19		19.74		30.00	Pass	42	42	42	42
		48	5240	14.23		13.92		13.79		13.40		19.87		30.00	Pass	41	41	41	41
		52	5260	11.71		11.36		11.72		11.20		17.52		24.00	Pass	45	45	45	45
		60	5300	11.80		11.29		11.83		10.89		17.49		24.00	Pass	44	44	44	44
		64	5320	11.93		11.51		11.93		11.21		17.68		24.00	Pass	43	43	43	43
Mode:	802.11n(40MHz)	Data Rate:	MCS0		Conducted power MIMO Mode(4TX+4RX)							Power Index							
Test Conditions	Channel	Frequency	Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power		Limit										
		(MHz)	Ant3		Ant5		Ant6		Ant7		Avg. (dBm (Ant 1+2+3+4))					Avg. (dBm)	Pass/Fail	Ant 3	Ant 5
Tnom (25℃)	Vnom (120V)	36	5190	12.04		11.12		11.38		11.07		18.54		30.00	Pass	49	49	49	49
		46	5230	11.49		11.20		11.22		10.92		18.31		30.00	Pass	47	47	47	47

1 (From 100 %)	2 (From 100 %)	52	5270	11.46	10.88	11.71	11.21	17.35	24.00	Pass	45	45	45	45						
		60	5310	10.80	10.62	11.37	11.14	17.01	24.00	Pass	44	44	44	44						
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(4TX+4RX)				Power Index								
Test Conditions	Channel	Frequency	Ant 1+2+3+4		Ant3		Ant5		Ant6		Ant7					Total Power		Limit		
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	36	5180	14.69	14.02	14.21	13.78	20.21	30.00	Pass	43	43	43	43						
		44	5220	14.07	13.93	13.76	13.74	19.90	30.00	Pass	42	42	42	42						
		48	5240	13.81	13.62	13.71	13.25	19.62	30.00	Pass	41	41	41	41						
		52	5260	11.70	11.37	11.82	11.11	17.53	24.00	Pass	45	45	45	45						
		60	5300	11.81	11.43	11.87	10.98	17.56	24.00	Pass	44	44	44	44						
		64	5320	11.26	11.57	11.94	11.24	17.53	24.00	Pass	43	43	43	43						
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(4TX+4RX)				Power Index								
Test Conditions	Channel	Frequency	Ant 1+2+3+4		Ant3		Ant5		Ant6		Ant7					Total Power		Limit		
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	38	5190	12.01	11.12	11.35	10.99	17.41	30.00	Pass	49	49	49	49						
		46	5230	11.54	11.13	11.14	11.00	17.23	30.00	Pass	47	47	47	47						
		52	5270	11.82	11.23	12.09	11.76	17.76	24.00	Pass	45	45	45	45						
		60	5310	11.41	11.19	11.92	11.72	17.59	24.00	Pass	44	44	44	44						
		Conducted power				MIMO Mode(4TX+4RX)				Power Index										
		Frequency	Ant 1+2+3+4		Ant3		Ant5		Ant6					Ant7		Total Power		Limit		
Test Conditions	Channel	(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	42	5210	10.44	9.73	10.59	10.06	16.24	30.00	Pass	47	47	47	47						
		58	5290	10.25	10.41	10.06	10.40	16.33	24.00	Pass	46	46	46	46						
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power				MIMO Mode(4TX+4RX)				3								
Test Conditions	Channel	Frequency	Ant 1+2+3+4		Ant3		Ant5		Ant6		Ant7					Total Power		Limit		
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	36	5180	12.33	13.22	12.65	12.25	18.65	30.00	Pass	43	43	43	43						
		44	5220	11.95	13.04	12.35	12.18	18.42	30.00	Pass	42	42	42	42						
		48	5240	11.86	13.13	12.72	12.25	18.54	30.00	Pass	41	41	41	41						
		52	5260	11.78	11.33	11.77	11.14	17.53	24.00	Pass	45	45	45	45						
		60	5300	11.90	11.38	11.91	10.88	17.56	24.00	Pass	44	44	44	44						
		64	5320	12.02	11.53	11.92	11.21	17.70	24.00	Pass	43	43	43	43						
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power				MIMO Mode(4TX+4RX)				Power Index								
Test Conditions	Channel	Frequency	Ant 1+2+3+4		Ant3		Ant5		Ant6		Ant7					Total Power		Limit		
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	38	5190	11.78	11.29	11.50	11.17	17.46	30.00	Pass	49	49	49	49						
		46	5230	11.42	11.19	11.36	11.08	17.29	30.00	Pass	47	47	47	47						
		52	5270	11.46	10.92	11.68	11.38	17.39	24.00	Pass	45	45	45	45						
		60	5310	10.86	10.63	11.49	11.03	17.03	24.00	Pass	44	44	44	44						
		Conducted power				MIMO Mode(4TX+4RX)				Power Index										
		Frequency	Ant 1+2+3+4		Ant3		Ant5		Ant6					Ant7		Total Power		Limit		
Test Conditions	Channel	(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	42	5210	10.33	10.81	11.01	10.56	16.71	30.00	Pass	49	49	49	49						
		58	5290	9.99	10.11	10.32	10.09	16.15	24.00	Pass	46	46	46	46						
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power				MIMO Mode(4TX+4RX)				Power Index								
Test Conditions	Channel	Frequency	Ant 1+2+3+4		Ant3		Ant5		Ant6		Ant7					Total Power		Limit		
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	50	5250	10.78	10.90	10.24	9.62	16.43	24.00	Pass	45	45	45	45						
Antenna Technology: Beamforming 2*2																				
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power				MIMO Mode(2TX+2RX)				Power Index								
Test Conditions	Channel	Frequency	Ant 1+2		Ant3		Ant5		Ant6		Ant7					Total Power		Limit		
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	36	5180	14.35	13.83	13.83	13.83	17.11	26.99	Pass	43	43	43	43						
		44	5220	14.23	13.81	13.81	13.81	17.04	26.99	Pass	42	42	42	42						
		48	5240	14.38	13.87	13.87	13.87	17.14	26.99	Pass	41	41	41	41						
		52	5260	14.16	13.65	13.65	13.65	16.92	20.99	Pass	41	41	41	41						
		60	5300	13.90	13.16	13.16	13.16	16.56	20.99	Pass	41	41	41	41						
		64	5320	13.95	13.21	13.21	13.21	16.61	20.99	Pass	40	40	40	40						
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power				MIMO Mode(2TX+2RX)				Power Index								
Test Conditions	Channel	Frequency	Ant 1+2		Ant3		Ant5		Ant6		Ant7					Total Power		Limit		
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	38	5190	14.58	13.64	13.64	13.64	17.15	26.99	Pass	42	42	42	42						
		46	5230	14.44	13.68	13.68	13.68	17.09	26.99	Pass	40	40	40	40						
		52	5270	13.88	13.31	13.31	13.31	16.61	20.99	Pass	39	39	39	39						
		60	5310	13.68	13.25	13.25	13.25	16.48	20.99	Pass	38	38	38	38						
		Conducted power				MIMO Mode(2TX+2RX)				Power Index										
		Frequency	Ant 1+2		Ant3		Ant5		Ant6					Ant7		Total Power		Limit		
Test Conditions	Channel	(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	36	5180	14.37	13.80	13.80	13.80	17.10	26.99	Pass	43	43	43	43						
		44	5220	14.37	13.74	13.74	13.74	17.11	26.99	Pass	42	42	42	42						
		48	5240	14.34	13.91	13.91	13.91	17.14	26.99	Pass	41	41	41	41						
		52	5260	13.97	13.58	13.58	13.58	16.79	20.99	Pass	41	41	41	41						
		60	5300	13.59	13.02	13.02	13.02	16.32	20.99	Pass	41	41	41	41						
		64	5320	13.83	13.40	13.40	13.40	16.63	20.99	Pass	40	40	40	40						
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(2TX+2RX)				Power Index								
Test Conditions	Channel	Frequency	Ant 1+2		Ant3		Ant5		Ant6		Ant7					Total Power		Limit		
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	38	5190	14.55	13.61	13.61	13.61	17.12	26.99	Pass	42	42	42	42						
		46	5230	14.46	13.74	13.74	13.74	17.13	26.99	Pass	40	40	40	40						
		52	5270	13.57	13.40	13.40	13.40	16.50	20.99	Pass	39	39	39	39						
		60	5310	13.69	13.33	13.33	13.33	16.52	20.99	Pass	38	38	38	38						
		Conducted power				MIMO Mode(2TX+2RX)				Power Index										
		Frequency	Ant 1+2		Ant3		Ant5		Ant6					Ant7		Total Power		Limit		
Test Conditions	Channel	(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	42	5210	14.39	14.25	17.33	16.36	26.99	Pass	41	41	41	41							
		58	5290	13.43	13.26	17.33	16.36	20.99	Pass	39	39	39	39							
		Conducted power				MIMO Mode(2TX+2RX)				Power Index										
		Frequency	Ant 1+2		Ant3		Ant5		Ant6					Ant7		Total Power		Limit		
		Test Conditions	Channel	(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail	
				(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail	
Tnom (25 °C)	Vnom (120V)	38	5190	14.62	13.64	13.64	13.64	17.17	26.99	Pass	42	42	42	42						
		46	5230	14.37	13.74	13.74	13.74	17.08	26.99	Pass	40	40	40	40						
		52	5270	13.52	13.34	13.34	13.34	16.44	20.99	Pass	39	39	39	39						
		60	5310	13.56	13.33	13.33	13.33	16.46	20.99	Pass	38	38	38	38						
		Conducted power				MIMO Mode(2TX+2RX)				Power Index										
		Frequency	Ant 1+2		Ant3		Ant5		Ant6					Ant7		Total Power		Limit		
Test Conditions	Channel	(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	38	5190	14.45	13.92	17.20	16.99	26.99	Pass	43	43	43	43							
		44	5220	14.36	13.79	17.09	16.99	26.99	Pass	42	42	42	42							
		48	5240	14.37	13.93	17.17	16.99	26.99	Pass	41	41	41	41							
		52	5260	14.12	13.60	16.88	20.99	Pass	41	41	41	41								
		60	5300	13.83	13.05	16.47	20.99	Pass	41	41	41	41								
		64	5320	14.04	13.30	16.70	20.99	Pass	40	40	40	40								
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power				MIMO Mode(2TX+2RX)				Power Index								
Test Conditions	Channel	Frequency	Ant 1+2		Ant3		Ant5		Ant6		Ant7					Total Power		Limit		
		(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail			
Tnom (25 °C)	Vnom (120V)	38	5190	14.62	13.64	13.64	13.64	17.17	26.99	Pass	42	42	42	42						
		46	5230	14.37	13.74	13.74	13.74	17.08	26.99	Pass	40	40	40	40						
		52	5270	13.52	13.34	13.34	13.34	16.44	20.99	Pass	39	39	39	39						
		60	5310</																	

Test Conditions		Channel	Frequency	Reading Level Avg. (dBm)				Total Power		Limit											
			(MHz)	Ant3		Ant5		Avg. (dBm) (Ant 1+2)		Avg. (dBm)	Pass/Fail	Ant 3		Ant 5							
Tnom (25 °C)	Vnom (120V)	42	5210	14.05		13.88		16.98		26.99	Pass	41		41							
		58	5290	13.41		13.69		16.56		20.99	Pass	39		39							
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2TX+2RX)								Power Index									
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit											
			(MHz)	Ant3		Ant5		Avg. (dBm) (Ant 1+2)		Avg. (dBm)	Pass/Fail	Ant 3		Ant 5							
Tnom (25 °C)	Vnom (120V)	50	5250	12.96		12.61		15.80		26.99	Pass	40		40							
		Antenna Technology: Beamforming 4*4																			
		Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(4TX+4RX)						Power Index									
		Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power Avg. (dBm (Ant 1+2+3+4))		Limit Avg. (dBm) Pass/Fail		Ant 3 Ant 5 Ant 6 Ant 7			
		Tnom (25 °C)	Vnom (120V)	36	5180	8.50		8.13		7.80		7.17		13.95		23.98	Pass	53	53	53	53
				44	5220	8.47		8.16		7.45		7.36		13.91		23.98	Pass	52	52	52	52
48	5240			8.57		8.16		7.93		7.28		14.03		23.98	Pass	51	51	51	51		
52	5260			7.97		7.47		8.04		7.28		13.72		23.98	Pass	51	51	51	51		
60	5300			7.84		7.54		8.12		7.16		13.70		23.98	Pass	50	50	50	50		
64	5320	7.81		7.66		8.19		7.54		13.83		23.98	Pass	49	49	49	49				
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(4TX+4RX)								Power Index									
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power Avg. (dBm (Ant 1+2+3+4))		Limit Avg. (dBm) Pass/Fail		Ant 3 Ant 5 Ant 6 Ant 7					
Tnom (25 °C)	Vnom (120V)	38	5190	8.56		7.87		7.89		7.75		14.05		23.98	Pass	52	52	52	52		
		46	5230	8.13		7.86		8.08		7.51		13.92		23.98	Pass	51	51	51	51		
		52	5270	7.86		7.46		8.20		7.98		13.90		23.98	Pass	50	50	50	50		
		60	5310	7.65		7.43		8.16		7.87		13.81		23.98	Pass	49	49	49	49		
		64	5320	7.81		7.74		8.22		7.50		13.85		23.98	Pass	49	49	49	49		
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4TX+4RX)								Power Index									
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power Avg. (dBm (Ant 1+2+3+4))		Limit Avg. (dBm) Pass/Fail		Ant 3 Ant 5 Ant 6 Ant 7					
Tnom (25 °C)	Vnom (120V)	36	5180	8.57		8.15		7.80		7.27		13.99		23.98	Pass	53	53	53	53		
		44	5220	8.25		8.18		7.39		7.29		13.82		23.98	Pass	52	52	52	52		
		48	5240	8.64		8.22		7.94		7.31		14.07		23.98	Pass	51	51	51	51		
		52	5260	7.97		7.47		7.96		7.31		13.71		23.98	Pass	51	51	51	51		
		60	5300	7.75		7.61		8.09		7.25		13.71		23.98	Pass	50	50	50	50		
64	5320	7.81		7.74		8.22		7.50		13.85		23.98	Pass	49	49	49	49				
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4TX+4RX)								Power Index									
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power Avg. (dBm (Ant 1+2+3+4))		Limit Avg. (dBm) Pass/Fail		Ant 3 Ant 5 Ant 6 Ant 7					
Tnom (25 °C)	Vnom (120V)	38	5190	8.72		7.78		7.92		7.70		14.07		23.98	Pass	52	52	52	52		
		46	5230	8.05		7.82		7.97		7.45		13.85		23.98	Pass	51	51	51	51		
		52	5270	7.74		7.55		8.30		8.04		13.94		23.98	Pass	50	50	50	50		
		60	5310	7.60		7.41		8.23		7.89		13.81		23.98	Pass	49	49	49	49		
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4TX+4RX)								Power Index									
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power Avg. (dBm (Ant 1+2+3+4))		Limit Avg. (dBm) Pass/Fail		Ant 3 Ant 5 Ant 6 Ant 7					
Tnom (25 °C)	Vnom (120V)	42	5210	8.37		8.01		8.27		7.72		14.12		23.98	Pass	51	51	51	51		
		58	5290	8.51		7.77		8.79		7.94		14.29		23.98	Pass	49	49	49	49		
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4TX+4RX)								Power Index									
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power Avg. (dBm (Ant 1+2+3+4))		Limit Avg. (dBm) Pass/Fail		Ant 3 Ant 5 Ant 6 Ant 7					
Tnom (25 °C)	Vnom (120V)	36	5180	8.67		8.30		7.83		7.21		14.06		23.98	Pass	53	53	53	53		
		44	5220	8.39		8.08		7.28		7.30		13.81		23.98	Pass	52	52	52	52		
		48	5240	8.48		8.11		7.76		7.40		13.98		23.98	Pass	51	51	51	51		
		52	5260	7.48		7.53		7.99		7.34		13.61		23.98	Pass	51	51	51	51		
		60	5300	7.22		7.48		8.05		7.22		13.53		23.98	Pass	50	50	50	50		
		64	5320	7.70		7.68		8.22		7.53		13.81		23.98	Pass	49	49	49	49		
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4TX+4RX)								Power Index									
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power Avg. (dBm (Ant 1+2+3+4))		Limit Avg. (dBm) Pass/Fail		Ant 3 Ant 5 Ant 6 Ant 7					
Tnom (25 °C)	Vnom (120V)	38	5190	8.80		7.92		7.92		7.73		14.13		23.98	Pass	52	52	52	52		
		46	5230	8.00		7.85		7.86		7.56		13.84		23.98	Pass	51	51	51	51		
		52	5270	7.79		7.43		8.13		8.06		13.88		23.98	Pass	50	50	50	50		
		60	5310	7.67		7.49		8.19		7.85		13.83		23.98	Pass	49	49	49	49		
Mode:	802.11ax(80MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4TX+4RX)								Power Index									
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power Avg. (dBm (Ant 1+2+3+4))		Limit Avg. (dBm) Pass/Fail		Ant 3 Ant 5 Ant 6 Ant 7					
Tnom (25 °C)	Vnom (120V)	42	5210	6.47		6.06		7.49		5.79		12.52		23.98	Pass	55	55	55	55		
		58	5290	7.49		7.75		8.01		7.89		13.81		23.98	Pass	49	49	49	49		
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4TX+4RX)								Power Index									
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power Avg. (dBm (Ant 1+2+3+4))		Limit Avg. (dBm) Pass/Fail		Ant 3 Ant 5 Ant 6 Ant 7					
Tnom (25 °C)	Vnom (120V)	50	5250	7.71		7.95		8.39		7.33		13.88		23.98	Pass	49	49	49	49		

FCC 5GHz Power Table-ETH7(Outdoors and elevation angle > 30°)																			
Standard:	FCC Part 15.407	Test Date:	2021.01.05	Temperature:	25°C	Humidity:	55%RH												
Project No.	20B0117R				Product Name:	Wireless Access Point	Model Name:	AP510CX	Test Site:	TR8									
Antenna Gain(dBi)	Ant 1	0.00			Ant 2	0.00	Ant 3	0.00	Ant 4	0.00									
2*2 CDD-Directional Gain-Power(dBi)	0.00				2*2 BF-Directional Gain-Power(dBi)		3.01												
4*4 CDD-Directional Gain-Power(dBi)	0.00				4*4 BF-Directional Gain-Power(dBi)		6.02												
Antenna Technology:	CDD 2*2																		
Mode:	802.11a	Data Rate	6Mbps	Conducted power				MIMO Mode(2TXx2RX)				EIRP							
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit							
		(MHz)		Ant3				Ant5				Avg. (dBm) (Ant 1+2)							
												Avg. (dBm)							
												Pass/Fail							
Throm (25 °C)	Vnom (120V)	36	5180	17.33		16.90		20.13		21.00		Pass		Ant 3	Ant 5				
		44	5220	17.52		16.87		20.18		21.00		Pass		37	37				
		48	5240	17.20		16.57		19.91		21.00		Pass		36	36				
Mode:	802.11n(20MHz)	Data Rate	MCS0	Conducted power				MIMO Mode(2TXx2RX)				EIRP							
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit							
		(MHz)		Ant3				Ant5				Avg. (dBm) (Ant 1+2)							
												Avg. (dBm)							
												Pass/Fail							
Throm (25 °C)	Vnom (120V)	36	5180	17.26		16.89		20.09		21.00		Pass		Ant 3	Ant 5				
		44	5220	17.52		16.87		20.22		21.00		Pass		36	36				
		48	5240	17.39		16.79		20.11		21.00		Pass		35	35				
Mode:	802.11n(40MHz)	Data Rate	MCS0	Conducted power															

Antenna Technology				Beamforming 2*2														
Mode		802.11n(20MHz)	Data Rate	MCS0	Conducted power				MIMO Mode(2TX*2RX)				EIRP			Power Index		
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power			Limit							
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25°C)	Vnom (120V)	36	5180	14.35			13.83	20.12	21.00	Pass	43		43					
		44	5220	14.23			13.81	20.06	21.00	Pass	42		42					
		48	5240	14.38			13.87	20.15	21.00	Pass	41		41					
Mode		802.11n(40MHz)	Data Rate	MCS0	Conducted power				MIMO Mode(2TX*2RX)				EIRP			Power Index		
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power			Limit							
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25°C)	Vnom (120V)	38	5190	14.58			13.84	20.16	21.00	Pass	42		42					
		46	5230	14.44			13.68	20.10	21.00	Pass	40		40					
		48	5240	14.38			13.87	20.15	21.00	Pass	41		41					
Mode		802.11ac(20MHz)	Data Rate	MCS0NSS1	Conducted power				MIMO Mode(2TX*2RX)				EIRP			Power Index		
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power			Limit							
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25°C)	Vnom (120V)	36	5180	14.37			13.80	20.11	21.00	Pass	43		43					
		44	5220	14.38			13.79	20.12	21.00	Pass	42		42					
		48	5240	14.34			13.91	20.15	21.00	Pass	41		41					
Mode		802.11ac(40MHz)	Data Rate	MCS0NSS1	Conducted power				MIMO Mode(2TX*2RX)				EIRP			Power Index		
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power			Limit							
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25°C)	Vnom (120V)	38	5190	14.55			13.61	20.13	21.00	Pass	42		42					
		46	5230	14.46			13.74	20.14	21.00	Pass	40		40					
		48	5240	14.34			13.91	20.15	21.00	Pass	41		41					
Mode		802.11ac(80MHz)	Data Rate	MCS0NSS1	Conducted power				MIMO Mode(2TX*2RX)				EIRP			Power Index		
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power			Limit							
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25°C)	Vnom (120V)	42	5210	14.39			13.76	20.11	21.00	Pass	41		41					
		44	5220	14.38			13.79	20.10	21.00	Pass	42		42					
		48	5240	14.37			13.93	20.18	21.00	Pass	41		41					
Mode		802.11ax(20MHz)	Data Rate	HE0NSS1	Conducted power				MIMO Mode(2TX*2RX)				EIRP			Power Index		
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power			Limit							
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25°C)	Vnom (120V)	36	5180	14.45			13.92	20.21	21.00	Pass	43		43					
		44	5220	14.36			13.79	20.10	21.00	Pass	42		42					
		48	5240	14.37			13.93	20.18	21.00	Pass	41		41					
Mode		802.11ax(40MHz)	Data Rate	HE0NSS1	Conducted power				MIMO Mode(2TX*2RX)				EIRP			Power Index		
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power			Limit							
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25°C)	Vnom (120V)	38	5190	14.62			13.64	20.18	21.00	Pass	42		42					
		46	5230	14.37			13.74	20.09	21.00	Pass	40		40					
		48	5240	14.37			13.74	20.09	21.00	Pass	40		40					
Mode		802.11ax(80MHz)	Data Rate	HE0NSS1	Conducted power				MIMO Mode(2TX*2RX)				EIRP			Power Index		
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power			Limit							
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25°C)	Vnom (120V)	42	5210	14.05			13.88	19.99	21.00	Pass	41		41					
		44	5220	14.05			13.88	19.99	21.00	Pass	41		41					
		48	5240	14.05			13.88	19.99	21.00	Pass	41		41					
Mode		802.11ax(160MHz)	Data Rate	HE0NSS1	Conducted power				MIMO Mode(2TX*2RX)				EIRP			Power Index		
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power			Limit							
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25°C)	Vnom (120V)	50	5250	14.81			13.35	20.16	21.00	Pass	37		37					
		44	5220	14.05			13.88	19.99	21.00	Pass	41		41					
		48	5240	14.05			13.88	19.99	21.00	Pass	41		41					

Antenna Technology				Beamforming 4*4																
Mode:		802.11n(20MHz)	Data Rate	MCS0	Conducted power						EIRP									
					MIMO Mode(4Tx*4Rx)									Power Index						
					Ant 1+2+3+4															
					Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level	Total Power			Limit								
					(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Test Conditions	Channel				36	5180	8.50	8.13	7.80	7.17	19.97			21.00	Pass	53	53	53	53	
					44	5220	8.47	7.45	7.36	19.93			21.00	Pass	52	52	52	52		
					48	5240	8.57	8.16	7.93	20.05			21.00	Pass	51	51	51	51		
Thom (25°C)		Vnom (120V)																		
Mode:		802.11n(40MHz)	Data Rate	MCS0	Conducted power						EIRP									
					MIMO Mode(4Tx*4Rx)									Power Index						
					Ant 1+2+3+4															
					Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level	Total Power			Limit								
					(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Test Conditions	Channel				36	5190	8.56	7.87	7.89	7.75	20.07			21.00	Pass	52	52	52	52	
					46	5230	8.13	7.86	7.51	19.94			21.00	Pass	51	51	51	51		
					48															
Thom (25°C)		Vnom (120V)																		
Mode:		802.11ac(20MHz)	Data Rate	MCS0NSS1	Conducted power						EIRP									
					MIMO Mode(4Tx*4Rx)									Power Index						
					Ant 1+2+3+4															
					Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level	Total Power			Limit								
					(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Test Conditions	Channel				36	5180	8.57	8.15	7.80	7.27	20.01			21.00	Pass	53	53	53	53	
					44	5220	8.25	8.18	7.39	7.29	19.84			21.00	Pass	52	52	52	52	
					48	5240	8.64	8.22	7.94	7.31	20.10			21.00	Pass	51	51	51	51	
Thom (25°C)		Vnom (120V)																		
Mode:		802.11ac(40MHz)	Data Rate	MCS0NSS1	Conducted power						EIRP									
					MIMO Mode(4Tx*4Rx)									Power Index						
					Ant 1+2+3+4															
					Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level	Total Power			Limit								
					(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Test Conditions	Channel				36	5190	8.72	7.78	7.92	7.70	20.09			21.00	Pass	52	52	52	52	
					46	5230	8.05	7.82	7.97	7.45	19.87			21.00	Pass	51	51	51	51	
					48															
Thom (25°C)		Vnom (120V)																		
Mode:		802.11ac(80MHz)	Data Rate	MCS0NSS1	Conducted power						EIRP									
					MIMO Mode(4Tx*4Rx)									Power Index						
					Ant 1+2+3+4															
					Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level	Total Power			Limit								
					(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Test Conditions	Channel				36	5190	8.72	7.78	7.92	7.70	20.09			21.00	Pass	52	52	52	52	
					46	5230	8.05	7.82	7.97	7.45	19.87			21.00	Pass	51	51	51	51	
					48															
Thom (25°C)		Vnom (120V)																		
Mode:		802.11ax(20MHz)	Data Rate	HE0NSS1	Conducted power						EIRP									
					MIMO Mode(4Tx*4Rx)									Power Index						
					Ant 1+2+3+4															
					Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level	Total Power			Limit								
					(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Test Conditions	Channel				36	5190	8.72	7.78	7.92	7.70	20.09			21.00	Pass	52	52	52	52	
					46	5230	8.05	7.82	7.97	7.45	19.87			21.00	Pass	51	51	51	51	
					48															
Thom (25°C)		Vnom (120V)																		

Test Conditions			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	36	5180	8.57	8.30	7.83	7.21	20.05	21.00	21.00	Pass	53	53	53	53
		44	5220	8.39	8.08	7.28	7.30	19.83	21.00	Pass	52	52	52	52	
		48	5240	8.48	8.11	7.76	7.40	20.00	21.00	Pass	51	51	51	51	
Mode:	802.11ax(40MHz)	Data Rate:	HEONSS1	Conducted power					EIRP		Power Index				
				MIMO Mode(4TX+4RX)											
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Total Power		Limit		Power Index		
			Reading Level		Reading Level		Reading Level		Reading Level						
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6
Tnom (25 °C)	Vnom (120V)	36	5190	8.50	7.92	7.92	7.73	20.15	21.00	21.00	Pass	52	52	52	52
		48	5230	8.00	7.85	7.86	7.56	19.86	21.00	Pass	51	51	51	51	
Mode:	802.11ax(80MHz)	Data Rate:	HEONSS1	Conducted power					EIRP		Power Index				
				MIMO Mode(4TX+4RX)											
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Total Power		Limit		Power Index		
			Reading Level		Reading Level		Reading Level		Reading Level						
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6
Tnom (25 °C)	Vnom (120V)	42	5210	6.47	6.06	7.49	5.79	18.54	21.00	Pass	55	55	55	55	
Mode:	802.11ax(160MHz)	Data Rate:	HEONSS1	Conducted power					EIRP		Power Index				
				MIMO Mode(4TX+4RX)											
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Total Power		Limit		Power Index		
			Reading Level		Reading Level		Reading Level		Reading Level						
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6
Tnom (25 °C)	Vnom (120V)	50	5250	6.71	6.95	7.39	6.33	18.90	21.00	Pass	50	50	50	50	

FCC 5GHz Power Table-ETH6												
Standard:	FCC Part 15.407	Test Date:	2021.01.05	Temperature:	25℃	Humidity:	55%RH					
Project No.:	20B0117R			Product Name:	Wireless Access Point	Model Name:	AP510CX	Test Site:	TR8			
Antenna Gain(dBi)	Ant 3	6.00	Ant 5	6.00	Ant 6	6.00	Ant 7	6.00				
2°2 CDD-Directional Gain-Power(dBi)	6.00			2°2 BF-Directional Gain-Power(dBi)			9.01					
4°4 CDD-Directional Gain-Power(dBi)	6.00			4°4 BF-Directional Gain-Power(dBi)			12.02					
Antenna Technology:	CDD 2*2											
Mode:	802.11a	Data Rate:	6Mbps	Conducted power MIMO Mode(2Tx+2Rx)						Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)			Total Power		Limit				
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
Tnom (25 °C)	Vnom (120V)	36	5180	17.53	17.09	20.33	30.00	Pass	33	33		
		44	5220	17.24	17.23	20.25	30.00	Pass	33	33		
		48	5240	16.91	17.20	20.07	30.00	Pass	33	33		
		52	5260	17.38	17.18	20.29	24.00	Pass	34	34		
		60	5300	17.08	17.45	20.28	24.00	Pass	34	34		
		64	5320	16.94	17.53	20.26	24.00	Pass	34	34		
		100	5500	16.93	17.20	20.08	24.00	Pass	34	34		
		116	5580	16.82	17.00	19.92	24.00	Pass	34	34		
		140	5700	17.22	16.88	20.06	24.00	Pass	34	34		
		149	5745	19.96	19.56	22.77	30.00	Pass	27	27		
		157	5785	19.99	19.16	22.61	30.00	Pass	27	27		
		165	5825	19.79	19.07	22.46	30.00	Pass	27	27		
Mode:	802.11n(20MHz)	Data Rate:	MCS9	Conducted power MIMO Mode(2Tx+2Rx)						Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)			Total Power		Limit				
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		40	5200	17.12	17.12	20.36	30.00	Pass	33	33		
		44	5220	17.35	17.22	20.30	30.00	Pass	33	33		
		48	5240	17.28	17.33	20.32	30.00	Pass	33	33		
		52	5260	17.32	17.19	20.27	24.00	Pass	34	34		
		60	5300	17.00	17.52	20.28	24.00	Pass	34	34		
		64	5320	16.99	17.47	20.25	24.00	Pass	34	34		
		100	5500	16.95	17.10	20.04	24.00	Pass	34	34		
		116	5580	16.98	16.91	19.96	24.00	Pass	34	34		
		140	5700	17.19	16.68	19.95	24.00	Pass	34	34		
		149	5745	19.91	19.50	22.72	30.00	Pass	27	27		
		157	5785	19.90	19.09	22.52	30.00	Pass	27	27		
		165	5825	19.77	18.90	22.37	30.00	Pass	27	27		
Mode:	802.11n(40MHz)	Data Rate:	MCS9	Conducted power MIMO Mode(2Tx+2Rx)						Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)			Total Power		Limit				
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
Tnom (25 °C)	Vnom (120V)	38	5190	17.40	17.00	20.21	30.00	Pass	33	33		
		46	5230	17.36	17.46	20.42	30.00	Pass	33	33		
		52	5270	15.48	15.52	18.51	24.00	Pass	38	38		
		60	5310	15.22	15.41	18.33	24.00	Pass	38	38		
		102	5510	17.02	17.82	20.45	24.00	Pass	33	33		
		110	5550	17.13	17.91	20.55	24.00	Pass	33	33		
		134	5670	17.19	18.18	20.72	24.00	Pass	33	33		
		151	5755	19.29	19.47	22.38	30.00	Pass	27	27		
		159	5795	18.57	18.25	21.42	30.00	Pass	29	29		
		Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2Tx+2Rx)						Power Index
		Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)			Total Power		Limit		
				(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	
Tnom (25 °C)	Vnom (120V)	36	5180	17.58	17.24	20.42	30.00	Pass	33	33		
		44	5220	17.26	17.29	20.29	30.00	Pass	33	33		
		48	5240	17.05	17.23	20.15	30.00	Pass	33	33		
		52	5260	17.44	17.26	20.36	24.00	Pass	34	34		
		60	5300	17.07	17.54	20.32	24.00	Pass	34	34		
		64	5320	16.94	17.45	20.21	24.00	Pass	34	34		
		100	5500	16.89	17.09	20.00	24.00	Pass	34	34		
		116	5580	16.86	16.97	19.93	24.00	Pass	34	34		
		140	5700	17.20	16.73	19.98	24.00	Pass	34	34		
		149	5745	19.91	19.50	22.72	30.00	Pass	27	27		
		157	5785	19.98	18.25	22.64	30.00	Pass	27	27		
		165	5825	19.77	18.84	22.34	30.00	Pass	27	27		
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2Tx+2Rx)						Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)			Total Power		Limit				
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
Tnom (25 °C)	Vnom (120V)	38	5190	17.11	17.06	20.10	30.00	Pass	34	34		
		46	5230	16.96	17.08	20.03	30.00	Pass	34	34		
		52	5270	15.43	15.73	18.59	24.00	Pass	38	38		
		60	5310	15.23	15.51	18.38	24.00	Pass	38	38		
		102	5510	16.97	18.19	20.63	24.00	Pass	33	33		
		110	5550	17.13	18.19	20.70	24.00	Pass	33	33		
		134	5670	17.18	18.44	20.87	24.00	Pass	33	33		
		151	5755	19.17	19.46	22.33	30.00	Pass	27	27		
		159	5795	18.97	19.27	22.13	30.00	Pass	27	27		
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2Tx+2Rx)						Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)			Total Power		Limit				
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
Tnom (25 °C)	Vnom (120V)	42	5210	16.88	16.85	19.85	30.00	Pass	33	33		
		58	5290	15.27	14.68	18.00	24.00	Pass	38	38		
		106	5530	14.60	14.95	17.79	24.00	Pass	38	38		
		122	5610	14.48	14.82	17.66	24.00	Pass	38	38		
		155	5775	18.20	17.70	21.01	30.00	Pass	27	27		
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2Tx+2Rx)						Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)			Total Power		Limit				
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
Tnom (25 °C)	Vnom (120V)	36	5180	17.58	17.24	20.42	30.00	Pass	33	33		
		44	5220	17.32	17.23	20.29	30.00	Pass	33	33		
		48	5240	17.00	17.20	20.11	30.00	Pass	33	33		
		52	5260	17.29	17.35	20.33	24.00	Pass	34	34		
		60	5300	16.94	17.41	20.19	24.00	Pass	34	34		
		64	5320	16.98	17.38	20.19	24.00	Pass	34	34		
		100	5500	17.01	17.09	20.06	24.00	Pass	34	34		
		116	5580	16.93	16.99	19.97	24.00	Pass	34	34		
		140	5700	17.15	16.82	20.00	24.00	Pass	34	34		
		149	5745	19.84	19.42	22.65	30.00	Pass	27	27		
		157	5785	19.96	19.02	22.53	30.00	Pass	27	27		
		165	5825	19.63	19.01	22.34	30.00	Pass	27	27		
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2Tx+2Rx)						Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)			Total Power		Limit				
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
Tnom (25 °C)	Vnom (120V)	38	5190	17.03	16.97	20.01	30.00	Pass	34	34		
		46	5230	16.87	16.62	19.76	30.00	Pass	34	34		
		52	5270	15.41	15.52	18.48	24.00	Pass	38	38		
		60	5310	15.18	15.57	18.39	24.00	Pass	38	38		
		102	5510	16.90	18.28	20.65	24.00	Pass	33	33		
		110	5550	17.09	18.02	20.59	24.00	Pass	33	33		
		134	5670	17.19	18.22	20.75	24.00	Pass	33	33		
		151	5755	19.26	19.36	22.52	30.00	Pass	27	27		
		159	5795	19.07	19.21	22.15	30.00	Pass	27	27		
Mode:	802.11ax(80MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2Tx+2Rx)						Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)			Total Power		Limit				
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
Tnom (25 °C)	Vnom (120V)	42	5210	17.06	16.80	19.94	30.00	Pass	33	33		
		58	5290	15.35	14.72	18.06	24.00	Pass	38	38		
		106	5530	14.57	14.87	17.73	24.00	Pass	38	38		
		122	5610	14.51	14.84	17.69	24.00	Pass	38	38		
		155	5775	18.12	17.73	20.94	30.00	Pass	27	27		
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2Tx+2Rx)						Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)			Total Power		Limit				
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
Tnom (25 °C)	Vnom (120V)	50	5250	14.51	14.69	17.61	24.00	Pass	38	38		
		114	5630	14.41	14.83	17.84	24.00	Pass	34	38		

Antenna Technology	CDD 4*4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Mode	802.11a	Data Rate	6Mbps	Conducted power MIMO Mode(4T X+4RX)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Tnom (25 °C)	Vnom (120V)	36	5180		14.29		14.16		17.24	26.99	Pass	39	39		
		44	5220		14.06		14.14		17.11	26.99	Pass	39	39		
		48	5240		13.85		14.03		16.95	26.99	Pass	39	39		
		52	5260		12.98		12.99		16.00	20.99	Pass	41	41		
		60	5300		12.66		13.12		15.91	20.99	Pass	41	41		
		64	5320		12.66		13.10		15.90	20.99	Pass	41	41		
		100	5500		12.58		12.88		15.74	20.99	Pass	41	41		
		116	5580		12.43		12.75		15.60	20.99	Pass	41	41		
		140	5700		12.78		12.50		15.85	20.99	Pass	41	41		
		149	5745		19.55		19.21		22.39	26.99	Pass	27	27		
		157	5785		19.57		19.01		22.31	26.99	Pass	27	27		
		165	5825		19.47		18.72		22.12	26.99	Pass	27	27		
		Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(2TX+2RX)									Power Index
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power	Limit							
		(MHz)	Ant3		Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	36	5190	14.27	14.24	17.27	26.99	Pass	39	39					
		46	5230	14.10	14.46	17.29	26.99	Pass	39	39					
		52	5270	11.93	12.04	15.00	20.99	Pass	43	43					
		60	5310	11.80	12.15	14.99	20.99	Pass	43	43					
		102	5510	12.59	13.33	15.78	20.99	Pass	41	41					
		110	5550	12.69	13.06	15.89	20.99	Pass	40	40					
		134	5670	12.76	13.16	15.97	20.99	Pass	39	39					
		151	5755	19.38	18.71	22.07	26.99	Pass	27	27					
		159	5795	19.06	18.56	21.83	26.99	Pass	27	27					
		Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2TX+2RX)									Power Index
		Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power	Limit					
				(MHz)	Ant3		Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		Tnom (25 °C)	Vnom (120V)	36	5180	14.39	14.02	17.22	26.99	Pass	39	39			
44	5220			14.06	14.18	17.13	26.99	Pass	39	39					
48	5240			13.72	14.16	16.96	26.99	Pass	39	39					
52	5260			12.88	12.97	15.94	20.99	Pass	41	41					
60	5300			12.70	13.28	16.01	20.99	Pass	41	41					
64	5320			12.59	13.33	15.99	20.99	Pass	41	41					
100	5500			12.52	12.96	15.76	20.99	Pass	41	41					
116	5580			11.51	12.80	15.21	20.99	Pass	41	41					
140	5700			11.71	12.49	15.13	20.99	Pass	41	41					
149	5745			18.45	19.25	21.88	26.99	Pass	27	27					
157	5785			18.62	18.97	21.81	26.99	Pass	27	27					
165	5825			18.32	18.69	21.52	26.99	Pass	27	27					
Mode:	802.11ac(40MHz)			Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2TX+2RX)									Power Index
Test Conditions	Channel			Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power	Limit					
				(MHz)	Ant3		Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
Tnom (25 °C)	Vnom (120V)			36	5190	14.31	14.40	17.37	26.99	Pass	39	39			
		46	5230	14.20	14.36	17.29	26.99	Pass	39	39					
		52	5270	13.06	13.44	16.26	20.99	Pass	41	41					
		60	5310	12.83	13.32	16.09	20.99	Pass	41	41					
		102	5510	12.63	13.08	15.87	20.99	Pass	40	40					
		110	5550	12.58	12.93	15.77	20.99	Pass	40	41					
		134	5670	12.73	13.16	15.96	20.99	Pass	39	39					
		151	5755	19.32	18.70	22.03	26.99	Pass	27	27					
		159	5795	19.15	18.58	21.88	26.99	Pass	27	27					
		Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2TX+2RX)									Power Index
		Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power	Limit					
				(MHz)	Ant3		Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		Tnom (25 °C)	Vnom (120V)	42	5210	13.76	13.92	16.85	26.99	Pass	39	39			
58	5290			13.47	12.96	16.23	20.99	Pass	40	40					
106	5530			12.67	13.09	15.90	20.99	Pass	39	39					
122	5610			12.64	13.07	15.87	20.99	Pass	39	39					
155	5775			17.66	17.28	20.48	26.99	Pass	27	27					
Conducted power															
Tnom (25 °C)	Vnom (120V)	Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2TX+2RX)									Power Index
		Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power	Limit					
				(MHz)	Ant3		Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		36	5180	14.28	14.14	17.22	26.99	Pass	39	39					
		44	5220	14.00	14.24	17.13	26.99	Pass	39	39					
		48	5240	13.81	14.18	17.01	26.99	Pass	39	39					
		52	5260	12.81	13.07	15.95	20.99	Pass	41	41					
		60	5300	12.53	13.32	15.95	20.99	Pass	41	41					
		64	5320	12.63	13.16	15.91	20.99	Pass	41	41					
		100	5500	12.46	12.86	15.67	20.99	Pass	41	41					
		116	5580	11.57	12.72	15.19	20.99	Pass	41	41					
		140	5700	11.70	12.54	15.15	20.99	Pass	41	41					
		149	5745	18.55	19.22	21.91	26.99	Pass	27	27					
		157	5785	18.50	18.95	21.74	26.99	Pass	27	27					
		165	5825	18.32	18.68	21.62	26.99	Pass	27	27					
		Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2TX+2RX)									Power Index
		Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power	Limit					
				(MHz)	Ant3		Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		Tnom (25 °C)	Vnom (120V)	36	5190	14.16	14.44	17.31	26.99	Pass	39	39			
46	5230			14.10	14.43	17.28	26.99	Pass	39	39					
52	5270			12.94	13.39	16.18	20.99	Pass	41	41					
60	5310			12.77	13.38	16.10	20.99	Pass	41	41					
102	5510			12.53	13.17	15.87	20.99	Pass	40	40					
110	5550			12.70	13.06	15.89	20.99	Pass	40	40					
134	5670			12.79	13.30	16.06	20.99	Pass	39	39					
151	5755			19.33	18.70	22.04	26.99	Pass	27	27					
159	5795			19.19	18.56	21.90	26.99	Pass	27	27					
Mode:	802.11ax(80MHz)			Data Rate:	HE0NSS1	Conducted power MIMO Mode(2TX+2RX)									Power Index
Test Conditions	Channel			Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power	Limit					
				(MHz)	Ant3		Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
Tnom (25 °C)	Vnom (120V)			42	5210	13.72	13.97	16.86	26.99	Pass	39	39			
		58	5290	13.02	13.40	16.26	20.99	Pass	40	40					
		106	5530	12.67	13.15	15.93	20.99	Pass	39	39					
		122	5610	12.68	12.99	15.85	20.99	Pass	39	39					
		155	5775	17.71	17.41	20.57	26.99	Pass	27	27					
		Conducted power													
Tnom (25 °C)	Vnom (120V)	Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2TX+2RX)									Power Index
		Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power	Limit					
				(MHz)	Ant3		Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		50	5250	12.64	12.89	15.75	26.99	Pass	39	39					
		114	5570	12.56	12.98	15.79	26.99	Pass	37	37					
		Conducted power													
Antenna Technology:		Beamforming 4*4													
Tnom (25 °C)	Vnom (120V)	Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(4TX+4RX)									Power Index
		Test Conditions	Channel	Ant 1+2+3+4 Reading Level Avg. (dBm)							Total Power		Limit		
				(MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm (Ant 1+2+3+4)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
		36	5180	8.54	8.47	7.93	8.31	14.34	23.98	Pass	51	51	51	51	
		44	5220	8.32	8.66	8.30	8.48	14.46	23.98	Pass	51	51	51	51	
		48	5240	8.16	8.54	8.23	8.33	14.34	23.98	Pass	51	51	51	51	
		52	5260	7.16	7.42	7.13	7.29	13.27	17.98	Pass	53	53	53	53	
		60	5300	6.73	7.11	7.42	7.45	13.21	17.98	Pass	53	53	53	53	
		64	5320	6.92	7.38	7.28	7.32	13.26	17.98	Pass	53	53	53	53	
		100	5500	6.76	6.88	7.15	6.90	12.90	17.98	Pass	53	53	53	53	
		116	5580	6.86	6.72	7.15	6.65	12.87	17.98	Pass	53	53	53	53	
		140	5700	7.21	6.76	7.37	6.93	13.10	17.98	Pass	53	53	53	53	
		149	5745	15.96	15.89	16.37	16.40	22.18	23.98	Pass	34	34	34	34	
157	5785	16.10	15.75	16.32	15.91	22.05	23.98	Pass	34	34	34	34			
165	5825	15.89	15.78	16.22	15.91	21.97	23.98	Pass	34	34	34	34			
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(4TX+4RX)									Power Index		
Test Conditions	Channel	Ant 1+2+3+4 Reading Level Avg. (dBm)							Total Power		Limit				
		(MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm (Ant 1+2+3+4)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Tnom (25 °C)	Vnom (120V)	36	5190	7.82	8.13	7.88	8.13	14.01	23.98	Pass	51	51	51	51	
		46	5230	7.69	7.86	8.12	8.22	14.00	23.98	Pass	51	51	51	51	
		52	5270	6.92	6.94	6.99	7.23	13.04	17.98	Pass	53	53	53	53	
		60	5310	7.04	6.98	7.10	6.98	13.08	17.98	Pass	53	53	53	53	
		102	5510	6.97	6.86	7.29	7.26	13.12	17.98	Pass	52	52	52	52	
		110	5550	6.96	6.75	7.32	7.13	13.07	17.98	Pass	52	52	52	52	
		134	5670	7.21	7.67	7.67	7.67	13.12	17.98	Pass	52	52	52	52	
		151	5755	15.58	16.25	16.08	16.38	22.10	23.98	Pass	33	33	33	33	
		159	5795	15.68	15.76	16.11	16.08	21.93	23.98	Pass	33	33	33	33	
		Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4TX+4RX)									Power Index
		Test Conditions	Channel	Ant 1+2+3+4 Reading Level Avg. (dBm)							Total Power		Limit		
				(MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm (Ant 1+2+3+4)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7

Test Conditions		Channel	Frequency (MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Total Power Avg. (dBm) (Ant 1+2+3+4)	Limit Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	36	5180	8.62	8.49	7.90	8.33	14.36	23.98	Pass	51	51	51	51
		44	5220	8.34	8.64	8.28	8.51	14.47	23.98	Pass	51	51	51	51
		48	5240	8.06	8.44	8.16	8.37	14.28	23.98	Pass	51	51	51	51
		52	5260	7.17	7.52	7.05	7.27	13.28	17.98	Pass	53	53	53	53
		60	5300	6.73	7.19	7.36	7.37	13.20	17.98	Pass	53	53	53	53
		64	5320	6.89	7.37	7.25	7.25	13.21	17.98	Pass	53	53	53	53
		100	5500	6.75	6.66	7.11	6.95	12.89	17.98	Pass	53	53	53	53
		116	5580	6.88	6.71	7.16	6.76	12.90	17.98	Pass	53	53	53	53
		140	5700	7.20	6.81	7.43	7.05	13.15	17.98	Pass	53	53	53	53
		149	5745	15.97	15.88	16.41	16.31	22.17	23.98	Pass	34	34	34	34
		157	5785	16.17	15.82	16.29	15.84	22.06	23.98	Pass	34	34	34	34
		165	5825	15.77	15.77	16.15	16.15	21.90	23.98	Pass	34	34	34	34
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4TX+4RX)							Power Index			
Test Conditions		Channel	Frequency (MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Total Power Avg. (dBm) (Ant 1+2+3+4)	Limit Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	38	5190	7.84	8.02	7.93	8.10	13.99	23.98	Pass	51	51	51	51
		46	5230	7.65	7.83	8.15	8.26	14.00	23.98	Pass	51	51	51	51
		52	5270	6.99	6.84	7.00	7.20	13.03	17.98	Pass	53	53	53	53
		60	5310	6.95	6.85	7.19	7.14	13.08	17.98	Pass	52	52	52	52
		102	5510	6.99	6.73	7.24	7.28	13.09	17.98	Pass	52	52	52	52
		110	5550	6.92	6.86	7.43	7.13	13.11	17.98	Pass	52	52	52	52
		134	5670	7.19	6.36	6.92	6.92	13.10	17.98	Pass	52	52	52	52
		151	5755	15.67	16.05	16.38	16.38	22.15	23.98	Pass	33	33	33	33
		159	5795	15.70	15.73	16.25	16.21	22.00	23.98	Pass	33	33	33	33
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4TX+4RX)							Power Index			
Test Conditions		Channel	Frequency (MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Total Power Avg. (dBm) (Ant 1+2+3+4)	Limit Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	42	5210	7.84	8.38	8.19	8.35	14.22	23.98	Pass	51	51	51	51
		58	5290	6.92	7.15	6.71	7.11	13.00	17.98	Pass	52	52	52	52
		106	5530	6.59	6.71	6.98	6.36	12.69	17.98	Pass	52	52	52	52
		122	5610	6.79	6.69	6.99	6.35	12.73	17.98	Pass	52	52	52	52
		155	5775	13.87	13.44	14.04	13.83	19.82	23.98	Pass	38	38	38	38
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4TX+4RX)							Power Index			
Test Conditions		Channel	Frequency (MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Total Power Avg. (dBm) (Ant 1+2+3+4)	Limit Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	36	5180	8.60	8.45	7.97	8.30	14.36	23.98	Pass	51	51	51	51
		44	5220	8.33	8.57	8.18	8.43	14.40	23.98	Pass	51	51	51	51
		48	5240	8.16	8.51	8.28	8.46	14.35	23.98	Pass	51	51	51	51
		52	5260	7.06	7.41	7.12	7.37	13.28	17.98	Pass	53	53	53	53
		60	5300	6.74	7.07	7.36	7.39	13.17	17.98	Pass	53	53	53	53
		64	5320	6.81	7.39	7.27	7.35	13.22	17.98	Pass	53	53	53	53
		100	5500	6.77	6.81	7.11	6.91	12.99	17.98	Pass	53	53	53	53
		116	5580	6.80	6.64	7.15	6.63	12.83	17.98	Pass	53	53	53	53
		140	5700	7.23	6.76	7.38	6.97	13.11	17.98	Pass	53	53	53	53
		149	5745	15.86	15.80	16.35	16.32	22.13	23.98	Pass	34	34	34	34
		157	5785	16.10	15.72	16.25	15.79	21.99	23.98	Pass	34	34	34	34
		165	5825	15.87	15.83	16.10	15.82	21.93	23.98	Pass	34	34	34	34
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4TX+4RX)							Power Index			
Test Conditions		Channel	Frequency (MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Total Power Avg. (dBm) (Ant 1+2+3+4)	Limit Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	38	5190	7.70	8.02	7.89	8.08	13.95	23.98	Pass	51	51	51	51
		46	5230	7.61	7.89	8.05	8.24	13.97	23.98	Pass	51	51	51	51
		52	5270	7.01	6.82	7.11	7.11	13.03	17.98	Pass	53	53	53	53
		60	5310	6.94	6.96	7.08	7.06	13.03	17.98	Pass	52	52	52	52
		102	5510	6.98	6.79	7.32	7.21	13.10	17.98	Pass	52	52	52	52
		110	5550	6.93	6.79	7.44	7.04	13.08	17.98	Pass	52	52	52	52
		134	5670	7.07	6.43	7.65	6.90	13.06	17.98	Pass	52	52	52	52
		151	5755	15.83	16.03	16.35	16.43	22.14	23.98	Pass	33	33	33	33
		159	5795	15.79	15.64	16.18	16.11	21.96	23.98	Pass	33	33	33	33
Mode:	802.11ax(80MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4TX+4RX)							Power Index			
Test Conditions		Channel	Frequency (MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Total Power Avg. (dBm) (Ant 1+2+3+4)	Limit Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	42	5210	7.78	8.50	8.27	8.37	14.26	23.98	Pass	51	51	51	51
		58	5290	6.90	7.08	6.73	7.03	12.99	17.98	Pass	52	52	52	52
		106	5530	6.68	6.75	6.96	6.37	12.72	17.98	Pass	52	52	52	52
		122	5610	6.75	6.64	6.96	6.35	12.70	17.98	Pass	52	52	52	52
		155	5775	13.79	13.52	13.93	13.93	19.82	23.98	Pass	38	38	38	38
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4TX+4RX)							Power Index			
Test Conditions		Channel	Frequency (MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Total Power Avg. (dBm) (Ant 1+2+3+4)	Limit Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	50	5250	6.96	6.92	7.02	7.11	13.02	19.28	Pass	50	50	50	50
		114	5570	6.64	6.05	6.83	6.45	12.52	19.28	Pass	50	50	50	50

FCC 5GHz Power Table-ETH6(Outdoors and elevation angle > 30°)

Standard:	FCC Part 15.407	Test Date:	2021.01.05	Temperature:	25°C	Humidity:	55%RH
Project No.:	20B0117R	Product Name:	Wireless Access Point	Model Name:	AP510CX	Test Site:	TR8
Antenna Gain(dBi)	Ant 3	0.00	Ant 5	0.00	Ant 6	0.00	Ant 7
2°2 CDD-Directional Gain-Power(dBi)	0.00	2°2 BF-Directional Gain-Power(dBi)	3.01				
4°4 CDD-Directional Gain-Power(dBi)	0.00	4°4 BF-Directional Gain-Power(dBi)	6.02				



CDD 2°2																											
Antenna Technology:	Mode:	802.11a	Data Rate:	6Mbps	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index										
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant3	Ant5	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5										
																		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	36	5180	17.53		17.09		20.33	21.00	Pass	33.00		33.00			33.00	33.00										
		44	5220	17.24		17.23		20.25	21.00	Pass	33.00		33.00			33.00	33.00										
		48	5240	16.91		17.20		20.07	21.00	Pass	33.00		33.00			33.00	33.00										
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant3	Ant5	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5										
																		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	36	5180	17.57		17.12		20.36	21.00	Pass	33.00		33.00			33.00	33.00										
		44	5220	17.35		17.22		20.30	21.00	Pass	33.00		33.00			33.00	33.00										
		48	5240	17.28		17.33		20.32	21.00	Pass	33.00		33.00			33.00	33.00										
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant3	Ant5	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5										
																		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	38	5190	17.40		17.00		20.21	21.00	Pass	33.00		33.00			33.00	33.00										
		46	5230	17.36		17.46		20.42	21.00	Pass	33.00		33.00			33.00	33.00										
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant3	Ant5	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5										
																		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	36	5180	17.58		17.24		20.42	21.00	Pass	33.00		33.00			33.00	33.00										
		44	5220	17.26		17.29		20.29	21.00	Pass	33.00		33.00			33.00	33.00										
		48	5240	17.05		17.23		20.15	21.00	Pass	33.00		33.00			33.00	33.00										
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant3	Ant5	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5										
																		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	38	5190	17.11		17.06		20.10	21.00	Pass	34.00		34.00			34.00	34.00										
		46	5230	16.96		17.08		20.03	21.00	Pass	34.00		34.00			34.00	34.00										
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant3	Ant5	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5										
																		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	42	5210	16.88		16.85		19.88	21.00	Pass	33.00		33.00			33.00	33.00										
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant3	Ant5	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5										
																		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	36	5180	17.58		17.24		20.42	21.00	Pass	33.00		33.00			33.00	33.00										
		44	5220	17.32		17.23		20.29	21.00	Pass	33.00		33.00			33.00	33.00										
		48	5240	17.00		17.20		20.11	21.00	Pass	33.00		33.00			33.00	33.00										
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant3	Ant5	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5										
																		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	38	5190	17.03		16.97		20.01	21.00	Pass	34.00		34.00			34.00	34.00										
		46	5230	16.87		16.62		19.76	21.00	Pass	34.00		34.00			34.00	34.00										
Mode:	802.11ax(80MHz)	Data Rate:	HE0NSS1	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant3	Ant5	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5										
																		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	42	5210	17.06		16.80		19.94	21.00	Pass	33.00		33.00			33.00	33.00										
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant3	Ant5	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5										
																		Ant 1+2 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	50	5250	14.51		14.69		17.61	21.00	Pass	38		38			38	38										
Antenna Technology:	CDD 4°4																										
Mode:	802.11a	Data Rate:	6Mbps	Conducted power				MIMO Mode(4TX+4RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
																		Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	36	5180	14.39	14.48	14.26	14.29	20.38	21.00	Pass	39	39	39	39	39	39	39										
		44	5220	14.11	14.46	14.13	14.25	20.26	21.00	Pass	39	39	39	39	39	39	39										
		48	5240	13.89	14.38	14.02	14.18	20.14	21.00	Pass	39	39	39	39	39	39	39										
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power				MIMO Mode(4TX+4RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
																		Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	36	5180	14.17	14.31	14.11	14.18	20.21	21.00	Pass	39	39	39	39	39	39	39										
		44	5220	13.93	14.26	13.93	14.15	20.09	21.00	Pass	39	39	39	39	39	39	39										
		48	5240	13.73	14.21	13.86	14.00	19.97	21.00	Pass	39	39	39	39	39	39	39										
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power				MIMO Mode(4TX+4RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
																		Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	38	5190	11.79	12.16	12.00	12.28	13.08	21.00	Pass	43	43	43	43	43	43	43										
		46	5230	11.57	12.00	11.94	12.30	17.98	21.00	Pass	43	43	43	43	43	43	43										
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(4TX+4RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
																		Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	36	5180	14.18	14.26	14.12	14.16	20.20	21.00	Pass	39	39	39	39	39	39	39										
		44	5220	14.01	14.34	14.03	14.11	20.15	21.00	Pass	39	39	39	39	39	39	39										
		48	5240	13.74	14.20	13.85	14.04	19.98	21.00	Pass	39	39	39	39	39	39	39										
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(4TX+4RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
																		Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	38	5190	11.64	12.04	11.88	12.13	17.95	21.00	Pass	43	43	43	43	43	43	43										
		46	5230	11.40	11.85	11.80	12.16	17.83	21.00	Pass	43	43	43	43	43	43	43										
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(4TX+4RX)				EIRP				Power Index											
Test Conditions	Channel	Frequency (MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
																		Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power				Limit	
Tnom (25°C)	Vnom (120V)	42	5210	10.71	10.97	11.10	10.85	21.00	21.00	Pass	45	45	45	45	45	45	45										

Mode:	802.11ax(20MHz)	Data Rate:	HEONSS1	Conducted power				EIRP			Power Index			
Test Conditions	Channel	Frequency	MIMO Mode(4TX+4RX)				Total Power	Limit						
			Ant3	Ant5	Ant6	Ant7								
			Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5
Tnom (25°C)	Vnom (120V)	36	5180	14.22	14.34	14.16	14.10	20.23	21.00	Pass	39	39	39	39
		44	5220	13.94	14.27	14.02	14.12	20.11	21.00	Pass	39	39	39	39
		48	5240	13.75	14.21	13.84	14.01	19.98	21.00	Pass	39	39	39	39
Mode:	802.11ax(40MHz)	Data Rate:	HEONSS1	Conducted power				EIRP			Power Index			
Test Conditions	Channel	Frequency	MIMO Mode(4TX+4RX)				Total Power	Limit						
			Ant3	Ant5	Ant6	Ant7								
			Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5
Tnom (25°C)	Vnom (120V)	38	5190	11.58	11.97	11.85	12.16	17.92	21.00	Pass	43	43	43	43
		46	5230	11.44	11.84	11.83	12.08	17.82	21.00	Pass	43	43	43	43
Mode:	802.11ax(80MHz)	Data Rate:	HEONSS1	Conducted power				EIRP			Power Index			
Test Conditions	Channel	Frequency	MIMO Mode(4TX+4RX)				Total Power	Limit						
			Ant3	Ant5	Ant6	Ant7								
			Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5
Tnom (25°C)	Vnom (120V)	42	5210	10.52	10.84	10.97	10.67	16.77	21.00	Pass	45	45	45	45
Mode:	802.11ax(160MHz)	Data Rate:	HEONSS1	Conducted power				EIRP			Power Index			
Test Conditions	Channel	Frequency	MIMO Mode(4TX+4RX)				Total Power	Limit						
			Ant3	Ant5	Ant6	Ant7								
			Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5
Tnom (25°C)	Vnom (120V)	42	5210	11.15	11.52	11.22	11.27	17.31	21.00	Pass	46	46	46	46

Antenna Technology		Beamforming 2*2														
Mode:		802.11n(20MHz)	Data Rate:	MCS0	Conducted power				EIRP				Power Index			
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
				Ant3		Ant5		Avg. (dBm (Ant 1+2))	Avg. (dBm (Ant 1+2))	Pass/Fail	Ant 3	Ant 5				
Tnom (25 °C)	Vnom (120V)	36	5180	14.29	14.16	14.16	14.16	20.25	21.00	Pass	39	39	39	39		
		44	5220	14.06	14.14	14.14	14.14	20.12	21.00	Pass	39	39	39	39		
		48	5240	13.85	14.03	14.03	14.03	19.96	21.00	Pass	39	39	39	39		
Mode:		802.11n(40MHz)	Data Rate:	MCS0	Conducted power				EIRP				Power Index			
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
				Ant3		Ant5		Avg. (dBm (Ant 1+2))	Avg. (dBm (Ant 1+2))	Pass/Fail	Ant 3	Ant 5				
Tnom (25 °C)	Vnom (120V)	38	5190	14.27	14.24	14.24	14.24	20.28	21.00	Pass	39	39	39	39		
		46	5230	14.10	14.46	14.46	14.46	20.30	21.00	Pass	39	39	39	39		
Mode:		802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power				EIRP				Power Index			
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
				Ant3		Ant5		Avg. (dBm (Ant 1+2))	Avg. (dBm (Ant 1+2))	Pass/Fail	Ant 3	Ant 5				
Tnom (25 °C)	Vnom (120V)	36	5180	14.39	14.02	14.02	14.02	20.23	21.00	Pass	39	39	39	39		
		44	5220	14.06	14.18	14.18	14.18	20.14	21.00	Pass	39	39	39	39		
		48	5240	13.72	14.16	14.16	14.16	19.97	21.00	Pass	39	39	39	39		
Mode:		802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power				EIRP				Power Index			
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
				Ant3		Ant5		Avg. (dBm (Ant 1+2))	Avg. (dBm (Ant 1+2))	Pass/Fail	Ant 3	Ant 5				
Tnom (25 °C)	Vnom (120V)	38	5190	14.31	14.40	14.40	14.40	20.38	21.00	Pass	39	39	39	39		
		46	5230	14.20	14.36	14.36	14.36	20.30	21.00	Pass	39	39	39	39		
Mode:		802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power				EIRP				Power Index			
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
				Ant3		Ant5		Avg. (dBm (Ant 1+2))	Avg. (dBm (Ant 1+2))	Pass/Fail	Ant 3	Ant 5				
Tnom (25 °C)	Vnom (120V)	42	5210	13.76	13.92	13.92	13.92	19.86	21.00	Pass	39	39	39	39		
Mode:		802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index			
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
				Ant3		Ant5		Avg. (dBm (Ant 1+2))	Avg. (dBm (Ant 1+2))	Pass/Fail	Ant 3	Ant 5				
Tnom (25 °C)	Vnom (120V)	36	5180	14.28	14.14	14.14	14.14	20.23	21.00	Pass	39	39	39	39		
		44	5220	14.00	14.24	14.24	14.24	20.14	21.00	Pass	39	39	39	39		
		48	5240	13.81	14.18	14.18	14.18	20.02	21.00	Pass	39	39	39	39		
Mode:		802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index			
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
				Ant3		Ant5		Avg. (dBm (Ant 1+2))	Avg. (dBm (Ant 1+2))	Pass/Fail	Ant 3	Ant 5				
Tnom (25 °C)	Vnom (120V)	38	5190	14.16	14.44	14.44	14.44	20.32	21.00	Pass	39	39	39	39		
		46	5230	14.10	14.43	14.43	14.43	20.29	21.00	Pass	39	39	39	39		
Mode:		802.11ax(80MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index			
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
				Ant3		Ant5		Avg. (dBm (Ant 1+2))	Avg. (dBm (Ant 1+2))	Pass/Fail	Ant 3	Ant 5				
Tnom (25 °C)	Vnom (120V)	42	5210	13.72	13.97	13.97	13.97	19.87	21.00	Pass	39	39	39	39		
Mode:		802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index			
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
				Ant3		Ant5		Avg. (dBm (Ant 1+2))	Avg. (dBm (Ant 1+2))	Pass/Fail	Ant 3	Ant 5				
Tnom (25 °C)	Vnom (120V)	50	5250	12.64	12.89	12.89	12.89	18.79	21.00	Pass	36	36	36	36		

Antenna Technology			Beamforming 4*4																	
Mode:		802.11n(20MHz)	Data Rate:	MCS0	Conducted power				MIMO Mode(4TX+4RX)				EIRP				Power Index			
Test Conditions		Channel	Frequency (MHz)	Ant3		Ant5		Ant6		Ant7		Total Power		Limit						
				Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Tnom (25 °C)	Vnom (120V)	36	5180	8.54	8.54	8.47	7.93	8.31	20.36	21.00	Pass	51	51	51	51					
		44	5220	8.32	8.66	8.30	8.48	20.48	21.00	Pass	51	51	51	51						
		48	5240	8.16	8.54	8.23	8.33	20.36	21.00	Pass	51	51	51	51						
Mode:		802.11n(40MHz)	Data Rate:	MCS0	Conducted power				MIMO Mode(4TX+4RX)				EIRP				Power Index			
Test Conditions		Channel	Frequency (MHz)	Ant3		Ant5		Ant6		Ant7		Total Power		Limit						
				Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Tnom (25 °C)	Vnom (120V)	38	5190	7.82		8.13		7.88		8.13		20.03	21.00	Pass	51	51	51	51		
		46	5230	7.69		7.86		8.12		8.22		20.02	21.00	Pass	51	51	51	51		
Mode:		802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(4TX+4RX)				EIRP				Power Index			
Test Conditions		Channel	Frequency (MHz)	Ant3		Ant5		Ant6		Ant7		Total Power		Limit						
				Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Tnom (25 °C)	Vnom (120V)	36	5180	8.62	8.49	7.90	8.33	20.38	21.00	Pass	51	51	51	51						
		44	5220	8.34	8.64	8.28	8.51	20.49	21.00	Pass	51	51	51	51						
		48	5240	8.06	8.44	8.16	8.37	20.30	21.00	Pass	51	51	51	51						
Mode:		802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(4TX+4RX)				EIRP				Power Index			
Test Conditions		Channel	Frequency (MHz)	Ant3		Ant5		Ant6		Ant7		Total Power		Limit						
				Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7		
Tnom (25 °C)	Vnom (120V)	38	5190	7.84		8.02	7.93	8.10	20.01	21.00	Pass	51	51	51	51					
		46	5230	7.65		7.83	8.15	8.26	20.02	21.00	Pass	51	51	51	51					
		Conducted power				EIRP														

Mode:	802.11ac(80MHz)	Data Rate:	MCSONSS1	MIMO Mode(4TX+4RX)											Power Index										
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Ant 6				Total Power		Limit												
			Ant3 Reading Level		Ant5 Reading Level		Ant6 Reading Level		Ant7 Reading Level																
			(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail		Ant 3		Ant 5		Ant 6		Ant 7
Tnom (25℃)	Vnom (120V)	42	5210	7.84		8.38		8.19		8.35		20.24		21.00		Pass		51		51		51		51	
Mode:	802.11ax(20MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)											Power Index										
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Ant 6				Total Power		Limit												
			Ant3 Reading Level		Ant5 Reading Level		Ant6 Reading Level		Ant7 Reading Level																
			(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail		Ant 3		Ant 5		Ant 6		Ant 7
Tnom (25℃)	Vnom (120V)	36	5180	8.60		8.45		7.97		8.30		20.35		21.00		Pass		51		51		51		51	
		44	5220	8.33		8.57		8.18		8.43		20.42		21.00		Pass		51		51		51		51	
		48	5240	8.16		8.51		8.28		8.35		20.37		21.00		Pass		51		51		51		51	
Mode:	802.11ax(40MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)											Power Index										
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Ant 6				Total Power		Limit												
			Ant3 Reading Level		Ant5 Reading Level		Ant6 Reading Level		Ant7 Reading Level																
			(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail		Ant 3		Ant 5		Ant 6		Ant 7
Tnom (25℃)	Vnom (120V)	38	5190	7.70		8.02		7.89		8.08		19.97		21.00		Pass		51		51		51		51	
		46	5230	7.61		7.89		8.05		8.24		19.99		21.00		Pass		51		51		51		51	
Mode:	802.11ax(80MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)											Power Index										
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Ant 6				Total Power		Limit												
			Ant3 Reading Level		Ant5 Reading Level		Ant6 Reading Level		Ant7 Reading Level																
			(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail		Ant 3		Ant 5		Ant 6		Ant 7
Tnom (25℃)	Vnom (120V)	42	5210	7.78		8.50		8.27		8.37		20.28		21.00		Pass		51		51		51		51	
Mode:	802.11ax(160MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)											Power Index										
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Ant 6				Total Power		Limit												
			Ant3 Reading Level		Ant5 Reading Level		Ant6 Reading Level		Ant7 Reading Level																
			(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail		Ant 3		Ant 5		Ant 6		Ant 7
Tnom (25℃)	Vnom (120V)	42	5210	6.96		6.92		7.02		7.11		19.04		21.00		Pass		49		49		49		49	

FCC 5GHz Power Table-ETH 7																			
Standard:		FCC Part 15.407		Test Date:		2021.03.31		Temperature:		25℃		Humidity:		55%RH					
Project No.:		20B0117R				Product Name:		Wireless Access Point		Model Name:		AP510CX		Test Site:		TR8			
Antenna Gain(dBi)				Ant 1		6.00		Ant 2		6.00		Ant 3		6.00		Ant 4		6.00	
2°2 CDD-Directional Gain-Power(dBi)				6.00				2°2 BF-Directional Gain-Power(dBi)				9.01							
4°4 CDD-Directional Gain-Power(dBi)				6.00				4°4 BF-Directional Gain-Power(dBi)				12.02							
Antenna Technology:		CDD 4°4																	
Mode:		802.11n(20MHz)		Data Rate:		MCS24		Conducted power MIMO Mode(4Tx+4Rx)						Power Index					
Test Conditions		Channel		Frequency		Ant1 Reading Level		Ant2 Reading Level		Ant3 Reading Level		Ant4 Reading Level							Total Power
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm) (Ant 1+2+3+4)		Avg. (dBm)		Pass/Fail	
Tnom (25℃)	Vnom (120V)	36		5180		13.70		13.37		13.49		13.58		19.56		30.00		Pass	
		44		5220		13.29		13.46		13.67		13.45		19.47		30.00		Pass	
		48		5240		13.61		13.44		13.52		13.44		19.53		30.00		Pass	
		52		5260		17.20		17.42		17.30		17.32		23.33		24.00		Pass	
		60		5300		17.00		17.26		17.04		17.13		23.27		24.00		Pass	
		64		5320		17.28		17.18		17.32		17.11		23.24		24.00		Pass	
Mode:		802.11n(40MHz)		Data Rate:		MCS24		Conducted power MIMO Mode(4Tx+4Rx)						Power Index					
Test Conditions		Channel		Frequency		Ant1 Reading Level		Ant2 Reading Level		Ant3 Reading Level		Ant4 Reading Level							Total Power
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm) (Ant 1+2+3+4)		Avg. (dBm)		Pass/Fail	
Tnom (25℃)	Vnom (120V)	38		5190		11.02		10.97		11.04		10.93		17.01		30.00		Pass	
		46		5230		10.76		10.58		10.64		10.67		16.69		30.00		Pass	
		52		5270		17.19		17.31		17.23		17.26		23.27		24.00		Pass	
		60		5310		13.77		13.62		13.58		13.67		19.68		24.00		Pass	
Mode:		802.11ac(20MHz)		Data Rate:		MCS30NSS 4		Conducted power MIMO Mode(4Tx+4Rx)						Power Index					
Test Conditions		Channel		Frequency		Ant1 Reading Level		Ant2 Reading Level		Ant3 Reading Level		Ant4 Reading Level							Total Power
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm) (Ant 1+2+3+4)		Avg. (dBm)		Pass/Fail	
Tnom (25℃)	Vnom (120V)	36		5180		13.68		13.28		13.38		13.49		19.48		30.00		Pass	
		44		5220		13.17		13.49		13.54		13.48		19.44		30.00		Pass	
		48		5240		13.57		13.42		13.42		13.36		19.47		30.00		Pass	
		52		5260		17.19		17.44		17.31		17.26		23.32		24.00		Pass	
		60		5300		16.93		17.16		16.98		17.02		23.04		24.00		Pass	
		64		5320		17.24		17.15		17.21		17.05		23.19		24.00		Pass	
Mode:		802.11ac(40MHz)		Data Rate:		MCS30NSS 4		Conducted power MIMO Mode(4Tx+4Rx)						Power Index					
Test Conditions		Channel		Frequency		Ant1 Reading Level		Ant2 Reading Level		Ant3 Reading Level		Ant4 Reading Level							Total Power
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm) (Ant 1+2+3+4)		Avg. (dBm)		Pass/Fail	
Tnom (25℃)	Vnom (120V)	38		5190		10.96		10.95		11.07		10.96		17.00		30.00		Pass	
		46		5230		10.80		10.56		10.61		10.59		16.68		30.00		Pass	
		52		5270		17.08		17.29		17.11		17.16		23.18		24.00		Pass	
		60		5310		13.67		13.56		13.61		13.64		19.64		24.00		Pass	
Mode:		802.11ac(80MHz)		Data Rate:		MCS30NSS 4		Conducted power MIMO Mode(4Tx+4Rx)						Power Index					
Test Conditions		Channel		Frequency		Ant1 Reading Level		Ant2 Reading Level		Ant3 Reading Level		Ant4 Reading Level							Total Power
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm) (Ant 1+2+3+4)		Avg. (dBm)		Pass/Fail	
Tnom (25℃)	Vnom (120V)	42		5210		10.06		9.91		9.84		9.97		15.97		30.00		Pass	
		58		5290		13.33		13.16		13.21		13.09		19.22		24.00		Pass	
Mode:		802.11ax(20MHz)		Data Rate:		HE36NSS4		Conducted power MIMO Mode(4Tx+4Rx)						Power Index					
Test Conditions		Channel		Frequency		Ant1 Reading Level		Ant2 Reading Level		Ant3 Reading Level		Ant4 Reading Level							Total Power
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm) (Ant 1+2+3+4)		Avg. (dBm)		Pass/Fail	
Tnom (25℃)	Vnom (120V)	36		5180		13.63		13.30		13.40		13.51		19.48		30.00		Pass	
		44		5220		13.26		13.36		13.59		13.46		19.44		30.00		Pass	
		48		5240		13.50		13.40		13.55		13.40		19.48		30.00		Pass	
		52		5260		17.16		17.36		17.27		17.35		23.31		24.00		Pass	
		60		5300		17.02		17.25		17.06		17.03		23.11		24.00		Pass	
		64		5320		17.17		17.20		17.23		17.08		23.19		24.00		Pass	
Mode:		802.11ax(40MHz)		Data Rate:		HE36NSS4		Conducted power MIMO Mode(4Tx+4Rx)						Power Index					
Test Conditions		Channel		Frequency		Ant1 Reading Level		Ant2 Reading Level		Ant3 Reading Level		Ant4 Reading Level							Total Power
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm) (Ant 1+2+3+4)		Avg. (dBm)		Pass/Fail	
Tnom (25℃)	Vnom (120V)	38		5190		10.92		10.98		11.03		10.87		16.97		30.00		Pass	
		46		5230		10.76		10.60		10.64		10.66		16.69		30.00		Pass	
		52		5270		17.09		17.24		17.23		17.21		23.21		24.00		Pass	
		60		5310		13.75		13.54		13.62		13.59		19.64		24.00		Pass	
Mode:		802.11ax(80MHz)		Data Rate:		HE36NSS4		Conducted power MIMO Mode(4Tx+4Rx)						Power Index					
Test Conditions		Channel		Frequency		Ant1 Reading Level		Ant2 Reading Level		Ant3 Reading Level		Ant4 Reading Level							Total Power
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm) (Ant 1+2+3+4)		Avg. (dBm)		Pass/Fail	
Tnom (25℃)	Vnom (120V)	42		5210		10.06		9.88		9.79		9.93		15.94		30.00		Pass	
		58		5290		13.32		13.14		13.19		13.01		19.19		24.00		Pass	
Mode:		802.11ax(160MHz)		Data Rate:		HE36NSS4		Conducted power MIMO Mode(4Tx+4Rx)						Power Index					
Test Conditions		Channel		Frequency		Ant1 Reading Level		Ant2 Reading Level		Ant3 Reading Level		Ant4 Reading Level							Total Power
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm) (Ant 1+2+3+4)		Avg. (dBm)		Pass/Fail	
Tnom (25℃)	Vnom (120V)	50		5250		13.36		13.31		13.22		13.19		19.29		24.00		Pass	



FCC 5GHz Power Table-ETH 6												
Standard:	FCC Part 15.407	Test Date:	2021.03.31	Temperature:	25℃		Humidity:	55%RH				
Project No.:	20B0117R			Product Name:	Wireless Access Point		Model Name:	AP510CX	Test Site:	TR8		
Antenna Gain(dBi)		Ant 3	6.00	Ant 5	6.00	Ant 6	6.00	Ant 7	6.00			
2*2 CDD-Directional Gain-Power(dBi)		6.00		2*2 BF-Directional Gain-Power(dBi)		9.01						
4*4 CDD-Directional Gain-Power(dBi)		6.00		4*4 BF-Directional Gain-Power(dBi)		12.02						
Antenna Technology:	CDD 4*4											
Mode:	802.11n(20MHz)	Data Rate:	MCS24	Conducted power MIMO Mode(4TX+4RX)								
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit				
			Ant1	Ant2	Ant3	Ant4						
			Reading Level	Reading Level	Reading Level	Reading Level						
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail		
Tnom (25℃)	Vnom (120V)	36	5180	13.99	13.91	14.06	13.96	20.00	30.00	Pass		
		44	5220	14.04	13.91	13.99	13.88	19.98	30.00	Pass		
		48	5240	14.06	14.00	13.96	13.93	20.01	30.00	Pass		
		52	5260	17.35	17.39	17.14	17.37	23.33	24.00	Pass		
		60	5300	17.29	17.39	17.22	17.32	23.33	24.00	Pass		
		64	5320	14.07	13.92	13.85	13.98	19.98	24.00	Pass		
		100	5500	15.87	15.70	15.81	15.89	21.84	24.00	Pass		
		116	5580	17.43	17.25	17.29	17.14	23.30	24.00	Pass		
		140	5700	17.33	17.27	17.38	17.48	23.39	24.00	Pass		
		149	5745	17.20	16.87	17.04	16.84	23.01	30.00	Pass		
		157	5785	17.08	16.91	16.91	16.77	22.94	30.00	Pass		
		165	5825	17.14	16.94	16.82	16.91	22.97	30.00	Pass		
Mode:	802.11n(40MHz)	Data Rate:	MCS24	Conducted power MIMO Mode(4TX+4RX)								
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit				
			Ant1	Ant2	Ant3	Ant4						
			Reading Level	Reading Level	Reading Level	Reading Level						
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail		
Tnom (25℃)	Vnom (120V)	38	5190	11.58	11.46	11.44	11.61	17.54	30.00	Pass		
		46	5230	11.61	11.50	11.54	11.56	17.57	30.00	Pass		
		52	5270	16.58	16.58	16.53	16.44	22.54	24.00	Pass		
		60	5310	12.52	12.39	12.42	12.31	18.43	24.00	Pass		
		102	5510	13.50	13.55	13.42	13.51	19.52	24.00	Pass		
		110	5550	17.29	17.39	17.27	17.18	23.30	24.00	Pass		
		134	5670	17.34	17.28	17.22	17.31	23.31	24.00	Pass		
		151	5755	17.36	17.28	17.31	17.49	23.38	30.00	Pass		
		159	5795	17.25	17.42	17.36	17.28	23.35	30.00	Pass		
		Mode:	802.11ac(20MHz)	Data Rate:	MCS30NSS 4	Conducted power MIMO Mode(4TX+4RX)						
		Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit		
					Ant1	Ant2	Ant3	Ant4				
Reading Level	Reading Level				Reading Level	Reading Level						
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail		
Tnom (25℃)	Vnom (120V)	36	5180	13.89	13.87	13.99	13.93	19.94	30.00	Pass		
		44	5220	13.98	13.90	13.92	13.82	19.93	30.00	Pass		
		48	5240	14.06	13.91	13.98	13.89	19.98	30.00	Pass		
		52	5260	17.27	17.34	17.09	17.39	23.29	24.00	Pass		
		60	5300	17.20	17.35	17.11	17.23	23.24	24.00	Pass		
		64	5320	13.99	13.90	13.76	13.90	19.91	24.00	Pass		
		100	5500	15.89	15.61	15.71	15.84	21.78	24.00	Pass		
		116	5580	17.41	17.18	17.30	17.08	23.26	24.00	Pass		
		140	5700	17.25	17.16	17.36	17.51	23.34	24.00	Pass		
		149	5745	17.09	16.84	17.00	16.79	22.95	30.00	Pass		
		157	5785	17.04	16.83	16.87	16.77	22.90	30.00	Pass		
		165	5825	17.08	16.87	16.76	16.81	22.90	30.00	Pass		
Mode:	802.11ac(40MHz)	Data Rate:	MCS30NSS 4	Conducted power MIMO Mode(4TX+4RX)								
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit				
			Ant1	Ant2	Ant3	Ant4						
			Reading Level	Reading Level	Reading Level	Reading Level						
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail		
Tnom (25℃)	Vnom (120V)	38	5190	11.55	11.39	11.34	11.52	17.47	30.00	Pass		
		46	5230	11.54	11.42	11.43	11.45	17.48	30.00	Pass		
		52	5270	16.46	16.48	16.51	16.39	22.48	24.00	Pass		
		60	5310	12.54	12.28	12.46	12.31	18.42	24.00	Pass		
		102	5510	13.54	13.54	13.32	13.44	19.48	24.00	Pass		
		110	5550	17.29	17.31	17.24	17.11	23.26	24.00	Pass		
		134	5670	17.25	17.17	17.19	17.30	23.25	24.00	Pass		
		151	5755	17.30	17.31	17.21	17.43	23.33	30.00	Pass		
		159	5795	17.14	17.32	17.34	17.31	23.30	30.00	Pass		
		Mode:	802.11ac(80MHz)	Data Rate:	MCS30NSS 4	Conducted power MIMO Mode(4TX+4RX)						
		Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit		
					Ant1	Ant2	Ant3	Ant4				
Reading Level	Reading Level				Reading Level	Reading Level						
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail		
Tnom (25℃)	Vnom (120V)	42	5210	10.66	10.52	10.59	10.63	16.62	30.00	Pass		
		58	5290	11.56	11.48	11.51	11.41	17.51	24.00	Pass		
		106	5530	12.47	12.51	12.58	12.60	18.56	24.00	Pass		
		122	5610	15.59	15.44	15.54	15.57	21.56	24.00	Pass		
		155	5775	13.55	13.49	13.61	13.55	19.57	30.00	Pass		
Mode:	802.11ax(20MHz)	Data Rate:	HE36NSS4	Conducted power MIMO Mode(4TX+4RX)								
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit				
			Ant1	Ant2	Ant3	Ant4						
			Reading Level	Reading Level	Reading Level	Reading Level						
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail		
Tnom (25℃)	Vnom (120V)	36	5180	13.89	13.93	13.98	13.92	19.95	30.00	Pass		
		44	5220	13.99	13.79	13.89	13.80	19.89	30.00	Pass		
		48	5240	14.02	13.88	13.98	13.91	19.97	30.00	Pass		
		52	5260	17.25	17.38	17.05	17.39	23.29	24.00	Pass		
		60	5300	17.19	17.37	17.22	17.36	23.31	24.00	Pass		
		64	5320	14.10	13.91	13.77	13.88	19.94	24.00	Pass		
		100	5500	15.87	15.60	15.73	15.92	21.80	24.00	Pass		
		116	5580	17.33	17.16	17.24	17.16	23.24	24.00	Pass		
		140	5700	17.28	17.23	17.26	17.52	23.35	24.00	Pass		
		149	5745	17.15	16.86	17.07	16.82	23.00	30.00	Pass		
		157	5785	17.08	16.94	16.79	16.68	22.90	30.00	Pass		
		165	5825	17.05	16.83	16.71	16.95	22.91	30.00	Pass		
Mode:	802.11ax(40MHz)	Data Rate:	HE36NSS4	Conducted power MIMO Mode(4TX+4RX)								
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit				
			Ant1	Ant2	Ant3	Ant4						
			Reading Level	Reading Level	Reading Level	Reading Level						
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail		
Tnom (25℃)	Vnom (120V)	38	5190	11.54	11.41	11.33	11.65	17.51	30.00	Pass		
		46	5230	11.55	11.48	11.52	11.52	17.54	30.00	Pass		
		52	5270	16.45	16.57	16.52	16.46	22.52	24.00	Pass		
		60	5310	12.46	12.32	12.34	12.33	18.39	24.00	Pass		
		102	5510	13.41	13.47	13.30	13.48	19.46	24.00	Pass		
		110	5550	17.28	17.41	17.19	17.09	23.26	24.00	Pass		
		134	5670	17.38	17.23	17.24	17.27	23.30	24.00	Pass		
151	5755	17.26	17.23	17.24	17.42	23.31	30.00	Pass				
159	5795	17.15	17.44	17.25	17.29	23.31	30.00	Pass				
Mode:	802.11ax(80MHz)	Data Rate:	HE36NSS4	Conducted power MIMO Mode(4TX+4RX)								
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit				
			Ant1	Ant2	Ant3	Ant4						
			Reading Level	Reading Level	Reading Level	Reading Level						
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail		

Tnom (25°C)	Vnom (120V)	42	5210	10.62	10.44	10.59	10.63	16.59	30.00	Pass			
		58	5290	11.45	11.52	11.53	11.34	17.48	24.00	Pass			
		106	5530	12.49	12.45	12.56	12.57	18.54	24.00	Pass			
		122	5610	15.59	15.36	15.53	15.54	21.53	24.00	Pass			
		155	5775	13.51	13.48	13.51	13.47	19.51	30.00	Pass			
Mode:	802.11ax(160MHz)	Data Rate:	HE36NSS4	Conducted power									
				MIMO Mode(4TX+4RX)									
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit					
			Ant1		Ant2					Ant3		Ant4	
			Reading Level		Reading Level					Reading Level		Reading Level	
			Avg. (dBm)		Avg. (dBm)					Avg. (dBm)		Avg. (dBm)	
Tnom (25°C)	Vnom (120V)	50	5250	11.38	11.46	11.50	11.54	17.49	24.00	Pass			
		114	5570	12.56	12.82	12.71	12.86	18.76	24.00	Pass			

FCC Power - Sector Antenna

FCC 5GHz Power Table-ETH7												
Standard:	FCC Part 15.407	Test Date:	2021.01.05	Temperature:	25°C	Humidity:	55%RH					
Project No.:	2080117R			Product Name:	Wireless Access Point	Model Name:	AP510CX	Test Site:	TR8			
Antenna Gain(dBi)	Ant 1	7.20	Ant 2	7.20	Ant 3	7.20	Ant 4	7.20				
2°2 CDD-Directional Gain-Power(dBi)	7.20			2°2 BF-Directional Gain-Power(dBi)	10.21							
4°4 CDD-Directional Gain-Power(dBi)	7.20			4°4 BF-Directional Gain-Power(dBi)	13.22							
Antenna Technology:	CDD 2°2											
Mode:	802.11a	Data Rate:	6Mbps	Conducted power MIMO Mode(2Tx*2RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit					
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		36 5180	14.26	13.83	17.06	28.80	Pass	43	43			
Tnrom (25 °C)	Vnom (120V)	44 5220	13.71	13.33	16.53	28.80	Pass	43	43			
		48 5240	14.07	13.46	16.79	28.80	Pass	43	43			
		52 5260	16.75	16.25	19.52	22.80	Pass	36	36			
		60 5300	16.31	15.80	19.07	22.80	Pass	36	36			
		64 5320	16.51	15.98	19.26	22.80	Pass	36	36			
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(2Tx*2RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit					
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		36 5180	14.13	13.88	17.02	28.80	Pass	43	43			
Tnrom (25 °C)	Vnom (120V)	44 5220	14.35	14.01	17.19	28.80	Pass	43	43			
		48 5240	14.17	13.74	16.97	28.80	Pass	43	43			
		52 5260	16.75	16.23	19.51	22.80	Pass	36	36			
		60 5300	16.35	15.86	19.12	22.80	Pass	36	36			
		64 5320	16.48	16.90	19.25	22.80	Pass	36	36			
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(2Tx*2RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit					
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		36 5180	14.61	14.17	17.41	28.80	Pass	43	43			
Tnrom (25 °C)	Vnom (120V)	46 5230	14.41	13.94	17.19	28.80	Pass	43	43			
		52 5270	14.83	14.32	17.59	22.80	Pass	38	38			
		60 5310	14.45	14.05	17.26	22.80	Pass	38	38			
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2Tx*2RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit					
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		36 5180	14.19	13.86	17.04	28.80	Pass	43	43			
Tnrom (25 °C)	Vnom (120V)	44 5220	14.04	13.76	16.91	28.80	Pass	43	43			
		48 5240	14.18	13.75	16.98	28.80	Pass	43	43			
		52 5260	16.74	16.24	19.51	22.80	Pass	36	36			
		60 5300	16.33	15.84	19.10	22.80	Pass	36	36			
		64 5320	16.49	16.00	19.26	22.80	Pass	36	36			
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2Tx*2RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit					
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		38 5190	14.11	13.62	16.88	28.80	Pass	43	43			
Tnrom (25 °C)	Vnom (120V)	46 5230	14.68	14.07	17.40	28.80	Pass	43	43			
		52 5270	14.81	14.31	17.58	22.80	Pass	38	38			
		60 5310	14.44	14.03	17.25	22.80	Pass	38	38			
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2Tx*2RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit					
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		42 5210	14.06	13.98	17.03	28.80	Pass	43	43			
Tnrom (25 °C)	Vnom (120V)	58 5290	13.68	13.35	16.53	22.80	Pass	39	39			
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2Tx*2RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit					
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		36 5180	14.19	13.75	16.99	28.80	Pass	43	43			
Tnrom (25 °C)	Vnom (120V)	44 5220	14.24	13.84	17.05	28.80	Pass	43	43			
		48 5240	14.39	13.93	17.17	28.80	Pass	43	43			
		52 5260	16.71	16.22	19.48	22.80	Pass	36	36			
		60 5300	16.37	15.86	19.13	22.80	Pass	36	36			
		64 5320	16.48	15.99	19.25	22.80	Pass	36	36			
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2Tx*2RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit					
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		38 5190	14.41	14.01	17.22	28.80	Pass	43	43			
Tnrom (25 °C)	Vnom (120V)	46 5230	14.29	13.86	17.69	28.80	Pass	43	43			
		52 5270	14.82	14.30	17.58	22.80	Pass	38	38			
		60 5310	14.49	14.07	17.30	22.80	Pass	38	38			
Mode:	802.11ax(80MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2Tx*2RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit					
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		42 5210	14.52	14.41	17.48	28.80	Pass	43	43			
Tnrom (25 °C)	Vnom (120V)	58 5290	13.71	13.38	16.56	22.80	Pass	39	39			
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2Tx*2RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit					
		(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5			
		50 5250	14.30	13.96	17.14	28.80	Pass	43	43			
Antenna Technology:	CDD 4°4											
Mode:	802.11a	Data Rate:	6Mbps	Conducted power MIMO Mode(4Tx*4RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power					
		(MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail			
		36 5180	11.87	11.48	11.06	11.30	17.46	28.80	Pass			
Tnrom (25 °C)	Vnom (120V)	44 5220	11.70	11.29	10.81	11.14	17.27	28.80	Pass			
		48 5240	11.89	11.39	10.91	11.32	17.41	28.80	Pass			
		52 5260	11.65	11.16	10.91	11.12	17.24	22.80	Pass			
		60 5300	11.70	11.18	10.95	11.07	17.26	22.80	Pass			
		64 5320	11.85	11.38	11.12	11.30	17.44	22.80	Pass			
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(4Tx*4RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power					
		(MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail			
		36 5180	11.83	11.32	10.86	11.20	17.34	28.80	Pass			
Tnrom (25 °C)	Vnom (120V)	44 5220	11.70	11.31	10.72	11.18	17.26	28.80	Pass			
		48 5240	11.82	11.49	11.09	11.33	17.46	28.80	Pass			
		52 5260	11.65	11.16	10.89	11.12	17.23	22.80	Pass			
		60 5300	11.68	11.16	10.94	11.08	17.24	22.80	Pass			
		64 5320	11.88	11.36	11.11	11.31	17.45	22.80	Pass			
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(4Tx*4RX)					Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4 Reading Level Avg. (dBm)				Total Power					
		(MHz)	Ant3	Ant5	Ant6	Ant7	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail			
		38 5190	11.46	10.94	10.56	10.91	17.14	28.80	Pass			
Tnrom (25 °C)	Vnom (120V)	46 5230	11.20	10.70	10.30	10.72	16.92	28.80	Pass			

110MHz (40 MHz)		52	5270	11.90	11.39	11.21	11.49	17.53	22.80	Pass	44	44	44	44
		60	5310	11.55	10.62	10.96	11.26	17.13	22.80	Pass	44	44	44	44
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4Tx*4Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	36	5180	11.92	11.46	10.89	11.14	17.39	28.80	Pass	44	44	44	44
		44	5220	11.38	11.23	10.62	10.88	17.06	28.80	Pass	44	44	44	44
		48	5240	11.66	11.30	10.87	11.28	17.30	28.80	Pass	44	44	44	44
		52	5260	11.65	11.18	10.93	11.13	17.25	22.80	Pass	44	44	44	44
		60	5300	11.70	11.18	10.93	11.07	17.25	22.80	Pass	44	44	44	44
		64	5320	11.21	11.35	11.08	11.28	17.25	22.80	Pass	44	44	44	44
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4Tx*4Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	36	5190	11.40	10.84	10.45	10.71	16.68	28.80	Pass	44	44	44	44
		46	5230	11.16	10.74	10.29	10.75	16.77	28.80	Pass	44	44	44	44
		52	5270	11.82	11.38	11.19	11.50	17.50	22.80	Pass	44	44	44	44
		60	5310	11.62	11.20	11.02	11.31	17.31	22.80	Pass	44	44	44	44
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4Tx*4Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	42	5210	11.21	11.06	10.80	10.02	16.82	28.80	Pass	44	44	44	44
		58	5290	11.68	10.41	11.27	11.56	17.27	22.80	Pass	44	44	44	44
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4Tx*4Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	36	5180	11.50	11.30	10.76	11.04	16.80	28.80	Pass	44	44	44	44
		44	5220	11.07	10.99	10.55	10.86	16.89	28.80	Pass	44	44	44	44
		48	5240	11.19	11.11	10.69	10.91	17.00	28.80	Pass	44	44	44	44
		52	5260	11.63	11.14	10.90	11.11	17.22	22.80	Pass	44	44	44	44
		60	5300	11.68	11.19	10.94	11.07	17.25	22.80	Pass	44	44	44	44
		64	5320	11.87	11.35	11.10	11.29	17.43	22.80	Pass	44	44	44	44
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4Tx*4Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	36	5190	11.30	10.97	10.63	10.92	16.98	28.80	Pass	44	44	44	44
		46	5230	11.18	10.77	10.51	10.73	16.82	28.80	Pass	44	44	44	44
		52	5270	11.93	11.42	11.24	11.54	17.56	22.80	Pass	44	44	44	44
		60	5310	11.56	11.15	10.98	11.25	17.26	22.80	Pass	44	44	44	44
Mode:	802.11ax(80MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4Tx*4Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	42	5210	11.02	10.97	10.95	10.92	16.60	28.80	Pass	44	44	44	44
		58	5290	10.87	10.54	10.45	10.52	16.62	22.80	Pass	46	46	46	46
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(4Tx*4Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	50	5250	9.66	10.32	9.69	9.71	15.87	22.80	Pass	44	44	44	44
Antenna Technology: Beamforming 2*2														
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(2Tx*2Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	36	5180	11.35	10.79	14.08	14.08	25.79	Pass	44	44	44	44	
		44	5220	11.15	10.75	13.96	13.96	25.79	Pass	44	44	44	44	
		48	5240	11.40	10.88	14.16	14.16	25.79	Pass	44	44	44	44	
		52	5260	13.44	12.99	16.23	16.23	19.79	Pass	42	42	42	42	
		60	5300	13.11	12.60	15.87	15.87	19.79	Pass	42	42	42	42	
		64	5320	13.25	12.75	16.02	16.02	19.79	Pass	41	41	41	41	
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(2Tx*2Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	38	5190	11.41	10.75	14.10	14.10	25.79	Pass	44	44	44	44	
		46	5230	11.24	10.80	14.04	14.04	25.79	Pass	44	44	44	44	
		52	5270	13.41	13.01	16.19	16.19	19.79	Pass	40	40	40	40	
		60	5310	13.21	12.80	16.02	16.02	19.79	Pass	39	39	39	39	
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2Tx*2Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	36	5180	11.28	10.82	14.06	14.06	25.79	Pass	44	44	44	44	
		44	5220	11.21	10.85	14.04	14.04	25.79	Pass	44	44	44	44	
		48	5240	11.44	10.88	14.18	14.18	25.79	Pass	44	44	44	44	
		52	5260	13.43	12.96	16.21	16.21	19.79	Pass	42	42	42	42	
		60	5300	13.05	12.55	15.82	15.82	19.79	Pass	42	42	42	42	
		64	5320	13.25	12.78	16.03	16.03	19.79	Pass	41	41	41	41	
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2Tx*2Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	38	5190	11.38	10.85	14.13	14.13	25.79	Pass	44	44	44	44	
		46	5230	11.28	10.76	14.04	14.04	25.79	Pass	44	44	44	44	
		52	5270	13.46	13.01	16.25	16.25	19.79	Pass	40	40	40	40	
		60	5310	13.27	12.85	16.08	16.08	19.79	Pass	39	39	39	39	
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(2Tx*2Rx)				Total Power		Limit	Power Index			
Test Conditions	Channel	Frequency	Ant 1+2				Total Power		Limit	Power Index				
		(MHz)	Ant3 Reading Level Avg. (dBm)	Ant5 Reading Level Avg. (dBm)	Ant6 Reading Level Avg. (dBm)	Ant7 Reading Level Avg. (dBm)	Avg. (dBm (Ant 1+2))	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25 °C)	Vnom (120V)	42	5210	11.25	10.89	14.08								

Test Conditions		Channel	Frequency	Reading Level Avg. (dBm)				Total Power		Limit						
			(MHz)	Ant3		Ant5		Avg. (dBm Ant 1+2)		Avg. (dBm)	Pass/Fail	Ant 3		Ant 5		
Tnom (25 °C)		Vnom (120V)	42	5210	11.10		10.72		13.92		25.79	Pass	44		44	
			58	5290	13.38		13.09		16.25		19.79	Pass	39		39	
Mode:	802.11ax(160MH z)	Data Rate:	HEONSS1	Conducted power MIMO Mode(2Tx+2Rx)												
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit		Power Index				
			(MHz)	Ant3		Ant5		Avg. (dBm Ant 1+2)		Avg. (dBm)	Pass/Fail	Ant 3		Ant 5		
Tnom (25 °C)		Vnom (120V)	50	5250	9.84		9.44		12.65		25.79	Pass	50		50	

Antenna Technology:	Beamforming 4T4																		
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(4Tx+4Rx)															
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power		Limit		Power Index			
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm Ant 1+2+3+4)		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)		Vnom (120V)	36	5180	5.49	5.05	4.56	4.41	4.74	11.00		22.78	Pass	59	59	59	59		
			44	5220	5.33	4.80	4.41	4.51	4.74	10.85		22.78	Pass	59	59	59	59		
			48	5240	5.57	4.98	4.63	4.76	4.76	11.02		22.78	Pass	59	59	59	59		
			52	5260	7.33	6.81	6.58	6.78	6.78	12.91		16.78	Pass	53	53	53	53		
			60	5300	7.26	6.79	6.56	6.76	6.76	12.85		16.78	Pass	52	52	52	52		
			64	5320	7.35	6.95	6.71	6.92	6.92	13.01		16.78	Pass	51	51	51	51		
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(4Tx+4Rx)															
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power		Limit		Power Index			
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm Ant 1+2+3+4)		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)		Vnom (120V)	38	5190	5.60	4.96	4.61	4.61	5.00	11.08		22.78	Pass	59	59	59	59		
			46	5230	5.45	4.95	4.56	4.56	4.79	10.97		22.78	Pass	59	59	59	59		
			52	5270	7.41	6.95	6.77	7.08	7.08	13.08		16.78	Pass	51	51	51	51		
			60	5310	7.27	6.85	6.68	6.68	6.96	12.97		16.78	Pass	50	50	50	50		
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4Tx+4Rx)															
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power		Limit		Power Index			
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm Ant 1+2+3+4)		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)		Vnom (120V)	36	5180	5.44	5.10	4.56	4.56	4.87	11.03		22.78	Pass	59	59	59	59		
			44	5220	5.26	4.85	4.28	4.28	4.77	10.82		22.78	Pass	59	59	59	59		
			48	5240	5.44	5.10	4.65	4.65	4.89	11.05		22.78	Pass	59	59	59	59		
			52	5260	7.32	6.83	6.59	6.59	6.80	12.91		16.78	Pass	53	53	53	53		
			60	5300	7.21	6.80	6.54	6.54	6.70	12.84		16.78	Pass	52	52	52	52		
			64	5320	7.35	6.98	6.70	6.70	6.90	13.01		16.78	Pass	51	51	51	51		
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4Tx+4Rx)															
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power		Limit		Power Index			
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm Ant 1+2+3+4)		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)		Vnom (120V)	38	5190	5.63	4.97	4.62	4.62	5.02	11.10		22.78	Pass	59	59	59	59		
			46	5230	5.26	4.94	4.43	4.43	4.85	10.90		22.78	Pass	59	59	59	59		
			52	5270	7.44	7.00	6.83	6.83	7.13	13.13		16.78	Pass	51	51	51	51		
			60	5310	7.27	6.84	6.67	6.67	6.96	12.96		16.78	Pass	50	50	50	50		
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power MIMO Mode(4Tx+4Rx)															
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power		Limit		Power Index			
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm Ant 1+2+3+4)		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)		Vnom (120V)	42	5210	5.81	5.31	5.29	5.29	5.10	11.41		22.78	Pass	59	59	59	59		
			58	5290	7.48	7.18	7.13	7.13	7.22	13.27		16.78	Pass	50	50	50	50		
Mode:	802.11ax(20MHz)	Data Rate:	HEONSS1	Conducted power MIMO Mode(4Tx+4Rx)															
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power		Limit		Power Index			
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm Ant 1+2+3+4)		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)		Vnom (120V)	36	5180	5.58	5.01	4.50	4.50	4.77	11.00		22.78	Pass	59	59	59	59		
			44	5220	5.36	4.85	4.30	4.30	4.60	10.82		22.78	Pass	59	59	59	59		
			48	5240	5.56	5.07	4.52	4.52	4.83	11.03		22.78	Pass	59	59	59	59		
			52	5260	7.09	6.72	6.48	6.48	6.68	12.77		16.78	Pass	53	53	53	53		
			60	5300	7.00	6.70	6.46	6.46	6.61	12.72		16.78	Pass	52	52	52	52		
			64	5320	7.33	6.94	6.69	6.69	6.90	12.99		16.78	Pass	51	51	51	51		
Mode:	802.11ax(40MHz)	Data Rate:	HEONSS1	Conducted power MIMO Mode(4Tx+4Rx)															
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power		Limit		Power Index			
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm Ant 1+2+3+4)		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)		Vnom (120V)	38	5190	5.65	5.04	4.64	4.64	4.94	11.10		22.78	Pass	59	59	59	59		
			46	5230	5.28	4.98	4.59	4.59	4.76	10.93		22.78	Pass	59	59	59	59		
			52	5270	7.40	6.95	6.78	7.09	7.09	13.08		16.78	Pass	51	51	51	51		
			60	5310	7.28	6.87	6.67	6.67	6.95	12.97		16.78	Pass	50	50	50	50		
Mode:	802.11ax(80MHz)	Data Rate:	HEONSS1	Conducted power MIMO Mode(4Tx+4Rx)															
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power		Limit		Power Index			
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm Ant 1+2+3+4)		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)		Vnom (120V)	42	5210	3.79	3.34	3.38	3.38	3.27	9.47		22.78	Pass	65	65	65	65		
			58	5290	7.42	7.14	7.08	7.08	7.15	13.22		16.78	Pass	50	50	50	50		
Mode:	802.11ax(160MH z)	Data Rate:	HEONSS1	Conducted power MIMO Mode(4Tx+4Rx)															
Test Conditions		Channel	Frequency	Ant3 Reading Level Avg. (dBm)		Ant5 Reading Level Avg. (dBm)		Ant6 Reading Level Avg. (dBm)		Ant7 Reading Level Avg. (dBm)		Total Power		Limit		Power Index			
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm Ant 1+2+3+4)		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)		Vnom (120V)	50	5250	4.29	3.92	3.92	3.92	3.88	10.63		19.28	Pass	65	65	65	65		

FCC 5GHz Power Table-ETH7(Outdoors and elevation angle > 30°)

Standard:	FCC Part 15.407	Test Date:	2021.01.05	Temperature:	25°C	Humidity:	55%RH
Project No.:	20B0117R	Product Name:	Wireless Access Point	Model Name:	AP510CX	Test Site:	TR8
Antenna Gain(dBi)	Ant 1	3.00	Ant 2	3.00	Ant 3	3.00	Ant 4
2°2 CDD-Directional Gain-Power(dBi)	3.00	2°2 BF-Directional Gain-Power(dBi)	6.01				
4°4 CDD-Directional Gain-Power(dBi)	3.00	4°4 BF-Directional Gain-Power(dBi)	9.02				



Antenna Technology:		CDD 2°2																	
Mode:	802.11a	Data Rate:	6Mbps	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index			
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit									
				(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25 °C)	Vnom (120V)	36	5180	14.26			13.83	20.06	21.00	Pass	43	43							
		44	5220	13.71			13.33	19.53	21.00	Pass	43	43							
		48	5240	14.07			13.46	19.79	21.00	Pass	43	43							
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index			
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit									
				(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25 °C)	Vnom (120V)	36	5180	14.13			13.88	20.02	21.00	Pass	43	43							
		44	5220	14.35			14.01	20.19	21.00	Pass	43	43							
		48	5240	14.17			13.74	19.97	21.00	Pass	43	43							
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index			
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit									
				(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25 °C)	Vnom (120V)	36	5190	14.81			14.17	20.41	21.00	Pass	43	43							
		46	5230	14.41			13.94	20.19	21.00	Pass	43	43							
		Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index					
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit									
				(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25 °C)	Vnom (120V)	36	5180	14.19			13.86	20.04	21.00	Pass	43	43							
		44	5220	14.04			13.76	19.91	21.00	Pass	43	43							
		48	5240	14.18			13.75	19.98	21.00	Pass	43	43							
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index			
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit									
				(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25 °C)	Vnom (120V)	36	5190	14.11			13.62	19.88	21.00	Pass	43	43							
		46	5230	14.68			14.07	20.40	21.00	Pass	43	43							
		Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index					
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit									
				(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25 °C)	Vnom (120V)	42	5210	14.06			13.98	20.03	21.00	Pass	43	43							
		Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index					
		Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit							
(MHz)	Ant3					Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25 °C)	Vnom (120V)	36	5180	14.19			13.75	19.99	21.00	Pass	43	43							
		44	5220	14.24			13.84	20.06	21.00	Pass	43	43							
		46	5230	14.39			13.93	20.17	21.00	Pass	43	43							
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index			
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit									
				(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25 °C)	Vnom (120V)	36	5190	14.41			14.01	20.22	21.00	Pass	43	43							
		46	5230	14.29			13.86	20.09	21.00	Pass	43	43							
		Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index					
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit									
				(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25 °C)	Vnom (120V)	42	5210	14.52			14.41	20.48	21.00	Pass	43	43							
		Conducted power				MIMO Mode(2TX+2RX)				EIRP				Power Index					
		Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)				Total Power		Limit							
(MHz)	Ant3					Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5								
Tnom (25 °C)	Vnom (120V)	50	5250	14.30			13.96	20.14	21.00	Pass	43	43							

Antenna Technology		CDD 4°4																		
Mode	802.11a	Data Rate	6Mbps	Conducted power						EIRP						Power Index				
Test Conditions		Channel	Frequency	Ant3		Ant 1+2+3+4		Ant6		Ant7		Total Power		Limit						
			Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7			
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	36	5180	11.87	11.48	11.06	11.30	20.46	21.00	Pass	44	44	44	44						
		44	5220	11.70	11.29	10.81	11.14	20.27	21.00	Pass	44	44	44	44						
		48	5240	11.89	11.39	10.91	11.32	20.41	21.00	Pass	44	44	44	44						
Mode	802.11n(20MHz)	Data Rate	MCS9	Conducted power						EIRP						Power Index				
Test Conditions		Channel	Frequency	Ant3		Ant 1+2+3+4		Ant6		Ant7		Total Power		Limit						
			Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7			
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	36	5180	11.83	11.32	10.86	11.20	20.34	21.00	Pass	44	44	44	44						
		44	5220	11.70	11.31	10.72	11.18	20.28	21.00	Pass	44	44	44	44						
		48	5240	11.82	11.49	11.09	11.33	20.48	21.00	Pass	44	44	44	44						
Mode	802.11n(40MHz)	Data Rate	MCS9	Conducted power						EIRP						Power Index				
Test Conditions		Channel	Frequency	Ant3		Ant 1+2+3+4		Ant6		Ant7		Total Power		Limit						
			Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7			
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	36	5190	11.46	10.94	10.56	10.91	20.03	21.00	Pass	44	44	44	44						
		46	5230	11.20	10.70	10.30	10.72	19.76	21.00	Pass	44	44	44	44						
Mode	802.11ac(20MHz)	Data Rate	MCS0NSS1	Conducted power						EIRP						Power Index				
Test Conditions		Channel	Frequency	Ant3		Ant 1+2+3+4		Ant6		Ant7		Total Power		Limit						
			Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7			
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	36	5180	11.92	11.46	10.89	11.14	20.39	21.00	Pass	44	44	44	44						
		44	5220	11.38	11.23	10.62	10.88	20.06	21.00	Pass	44	44	44	44						
		48	5240	11.65	11.30	10.87	11.25	20.30	21.00	Pass	44	44	44	44						
Mode	802.11ac(40MHz)	Data Rate	MCS0NSS1	Conducted power						EIRP						Power Index				
Test Conditions		Channel	Frequency	Ant3		Ant 1+2+3+4		Ant6		Ant7		Total Power		Limit						
			Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7			
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	38	5190	11.40	10.84	10.45	10.71	19.88	21.00	Pass	44	44	44	44						
		46	5230	11.16	10.74	10.29	10.75	19.77	21.00	Pass	44	44	44	44						
Mode	802.11ac(80MHz)	Data Rate	MCS0NSS1	Conducted power						EIRP						Power Index				
Test Conditions		Channel	Frequency	Ant3		Ant 1+2+3+4		Ant6		Ant7		Total Power		Limit						
			Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7			
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Pass/Fail	Pass/Fail	Ant 3	Ant 4	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	42	5210	11.21	11.06	10.80	10.02	19.52	21.00	Pass	44	44	44	44						

Mode:	802.11ax(20MHz)	Data Rate:	HEONSS1	Conducted power				EIRP			Power Index					
				MIMO Mode(4TX+4RX)				Total Power							Limit	
				Ant 1+2+3+4												
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Ant7		Pass/Fail					
			Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Reading Level								
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)							
Tnom (25°C)	Vnom (120V)	36	5180	11.50	11.30	10.76	11.04	20.18			21.00	Pass	44	44	44	44
		44	5220	11.07	10.99	10.55	10.86	19.89			21.00	Pass	44	44	44	44
		48	5240	11.19	11.11	10.69	10.91	20.00			21.00	Pass	44	44	44	44
Mode:	802.11ax(40MHz)	Data Rate:	HEONSS1	Conducted power				EIRP			Power Index					
				MIMO Mode(4TX+4RX)				Total Power							Limit	
				Ant 1+2+3+4												
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Ant7		Pass/Fail					
			Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Reading Level								
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)							
Tnom (25°C)	Vnom (120V)	38	5190	11.30	10.97	10.63	10.92	19.98			21.00	Pass	44	44	44	44
		46	5230	11.18	10.77	10.51	10.73	19.82			21.00	Pass	44	44	44	44
		Mode:	802.11ax(80MHz)	Data Rate:	HEONSS1	Conducted power				EIRP			Power Index			
MIMO Mode(4TX+4RX)						Total Power			Limit							
Ant 1+2+3+4																
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Ant7		Pass/Fail					
			Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Reading Level								
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)							
Tnom (25°C)	Vnom (120V)	42	5210	11.02	10.97	10.95	10.92	19.99			21.00	Pass	44	44	44	44
Mode:	802.11ax(160MHz)	Data Rate:	HEONSS1	Conducted power				EIRP			Power Index					
				MIMO Mode(4TX+4RX)				Total Power							Limit	
				Ant 1+2+3+4												
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Ant7		Pass/Fail					
			Reading Level	Reading Level	Reading Level	Reading Level	Reading Level	Reading Level								
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)							
Tnom (25°C)	Vnom (120V)	50	5250	9.66	10.32	9.69	9.71	18.87			21.00	Pass	44	44	44	44

Antenna Technology		Beamforming 2*2														
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
			Ant 1+2													
			Reading Level Avg. (dBm)													
		(MHz)	Ant3	Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	36	5180	11.35		10.79		20.09		21.00	Pass	44	44			
		44	5220	11.15		10.75		19.98		21.00	Pass	44	44			
		48	5240	11.40		10.88		20.17		21.00	Pass	44	44			
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
			Ant 1+2													
			Reading Level Avg. (dBm)													
		(MHz)	Ant3	Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	38	5190	11.41		10.75		20.11		21.00	Pass	44	44			
		46	5230	11.24		10.80		20.05		21.00	Pass	44	44			
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
			Ant 1+2													
			Reading Level Avg. (dBm)													
		(MHz)	Ant3	Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	36	5180	11.28		10.82		20.07		21.00	Pass	44	44			
		44	5220	11.21		10.85		20.05		21.00	Pass	44	44			
		48	5240	11.44		10.88		20.19		21.00	Pass	44	44			
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
			Ant 1+2													
			Reading Level Avg. (dBm)													
		(MHz)	Ant3	Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	38	5190	11.38		10.85		20.14		21.00	Pass	44	44			
		46	5230	11.28		10.76		20.05		21.00	Pass	44	44			
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
			Ant 1+2													
			Reading Level Avg. (dBm)													
		(MHz)	Ant3	Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	42	5210	11.25		10.89		20.09		21.00	Pass	44	44			
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
			Ant 1+2													
			Reading Level Avg. (dBm)													
		(MHz)	Ant3	Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	36	5180	11.30		10.90		20.13		21.00	Pass	44	44			
		44	5220	11.16		10.69		19.95		21.00	Pass	44	44			
		48	5240	11.37		10.91		20.17		21.00	Pass	44	44			
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
			Ant 1+2													
			Reading Level Avg. (dBm)													
		(MHz)	Ant3	Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	38	5190	11.40		10.73		20.10		21.00	Pass	44	44			
		46	5230	11.35		10.73		20.07		21.00	Pass	44	44			
Mode:	802.11ax(80MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
			Ant 1+2													
			Reading Level Avg. (dBm)													
		(MHz)	Ant3	Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	42	5210	11.10		10.72		19.93		21.00	Pass	44	44			
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	MIMO Mode(2TX+2RX)				Total Power		Limit						
			Ant 1+2													
			Reading Level Avg. (dBm)													
		(MHz)	Ant3	Ant5		Avg. (dBm (Ant 1+2))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	50	5250	9.84		9.44		18.67		21.00	Pass	50	50			

Mode:	802.11ac(80MHz)	Data Rate:	MCSONSS1	MIMO Mode(4TX+4RX)							Power Index				
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit							
			Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level		Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail					
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)									Ant 3
Tnom (25°C)	Vnom (120V)	42	5210	5.81	5.31	5.29	5.10	20.43	21.00	Pass	59	59	59	59	
				Conducted power				EIRP							
Mode:	802.11ax(20MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)							Power Index				
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit							
			Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level		Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail					
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)									Ant 3
Tnom (25°C)	Vnom (120V)	36	5180	5.58	5.01	4.50	4.77	20.02	21.00	Pass	59	59	59	59	
		44	5220	5.36	4.85	4.30	4.60	19.84	21.00	Pass	59	59	59	59	
		48	5240	5.56	5.07	4.52	4.83	20.05	21.00	Pass	59	59	59	59	
				Conducted power				EIRP							
Mode:	802.11ax(40MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)							Power Index				
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit							
			Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level		Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail					
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)									Ant 3
Tnom (25°C)	Vnom (120V)	38	5190	5.65	5.04	4.64	4.94	20.12	21.00	Pass	59	59	59	59	
		46	5230	5.28	4.98	4.59	4.76	19.95	21.00	Pass	59	59	59	59	
				Conducted power				EIRP							
Mode:	802.11ax(80MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)							Power Index				
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit							
			Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level		Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail					
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)									Ant 3
Tnom (25°C)	Vnom (120V)	42	5210	3.79	3.34	3.38	3.27	18.49	21.00	Pass	65	65	65	65	
				Conducted power				EIRP							
Mode:	802.11ax(160MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)							Power Index				
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit							
			Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level		Avg. (dBm (Ant 1+2+3+4))	Avg. (dBm)	Pass/Fail					
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)									Ant 3
Tnom (25°C)	Vnom (120V)	50	5250	4.29	3.92	3.92	3.88	19.05	21.00	Pass	65	65	65	65	

FCC 5GHz Power Table-ETH6													
Standard:	FCC Part 15.407	Test Date:	2021.01.05	Temperature:	25°C	Humidity:	55%RH						
Project No.:	20B0117R			Product Name:	Wireless Access Point	Model Name:	AP510CX	Test Site:	TR8				
Antenna Gain(dBi)	Ant 3	7.20	Ant 5	7.20	Ant 6	7.20	Ant 7	7.20					
2*2 CDD-Directional Gain-Power(dBi)	7.20		2*2 BF-Directional Gain-Power(dBi)		10.21								
4*4 CDD-Directional Gain-Power(dBi)	7.20		4*4 BF-Directional Gain-Power(dBi)		13.22								
Antenna Technology:	CDD 2*2												
Mode:	802.11a	Data Rate:	6Mbps	Conducted power MIMO Mode(2TX+2RX)					Power Index				
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit		Ant 3	Ant 5		
		(MHz)		Ant3	Ant5	Avg. (dBm Ant 1+2)	Avg. (dBm)	Pass/Fail					
Tnom (25 °C)	Vnom (120V)	36	5180		14.21		14.47	17.35	28.80	Pass	39	39	
		44	5220		14.07		14.33	17.21	28.80	Pass	39	39	
		48	5240		13.79		14.15	16.98	28.80	Pass	39	39	
		52	5260		16.43		16.69	19.57	22.80	Pass	35	35	
		60	5300		16.32		16.70	19.52	22.80	Pass	35	35	
		64	5320		16.26		16.68	19.49	22.80	Pass	35	35	
		100	5500		16.11		16.48	19.31	22.80	Pass	35	35	
		116	5580		16.01		16.33	19.18	22.80	Pass	35	35	
		140	5700		16.18		16.38	19.29	22.80	Pass	35	35	
		149	5745		19.83		20.03	22.94	28.80	Pass	27	27	
		157	5785		19.78		19.87	22.84	28.80	Pass	27	27	
		165	5825		19.59		19.70	22.66	28.80	Pass	27	27	
Mode:	802.11n(20MHz)	Data Rate:	MCSS0	Conducted power MIMO Mode(2TX+2RX)					Power Index				
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit		Ant 3	Ant 5		
		(MHz)		Ant3	Ant5	Avg. (dBm Ant 1+2)	Avg. (dBm)	Pass/Fail					
		40	5200		14.20		14.37	17.29	28.80	Pass	39	39	
		44	5220		14.17		14.54	17.37	28.80	Pass	39	39	
		48	5240		13.96		14.35	17.17	28.80	Pass	39	39	
		52	5260		16.39		16.67	19.54	22.80	Pass	35	35	
		60	5300		16.30		16.71	19.52	22.80	Pass	35	35	
		64	5320		16.28		16.70	19.51	22.80	Pass	35	35	
		100	5500		16.07		16.43	19.26	22.80	Pass	35	35	
		116	5580		16.06		16.35	19.22	22.80	Pass	35	35	
		140	5700		16.15		16.32	19.25	22.80	Pass	35	35	
		149	5745		19.83		20.02	22.94	28.80	Pass	27	27	
		157	5785		19.72		19.83	22.79	28.80	Pass	27	27	
		165	5825		19.53		19.63	22.59	28.80	Pass	27	27	
Mode:	802.11n(40MHz)	Data Rate:	MCSS0	Conducted power MIMO Mode(2TX+2RX)					Power Index				
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit		Ant 3	Ant 5		
		(MHz)		Ant3	Ant5	Avg. (dBm Ant 1+2)	Avg. (dBm)	Pass/Fail					
Tnom (25 °C)	Vnom (120V)	38	5190		14.30		14.16	17.24	28.80	Pass	39	39	
		46	5230		14.39		14.40	17.41	28.80	Pass	39	39	
		52	5270		15.62		15.56	18.60	22.80	Pass	37	37	
		60	5310		15.48		15.46	18.48	22.80	Pass	37	37	
		102	5510		16.21		16.58	19.41	22.80	Pass	35	35	
		110	5550		16.24		16.56	19.41	22.80	Pass	35	35	
		134	5670		16.23		16.81	19.43	22.80	Pass	35	35	
		151	5755		19.55		19.64	22.61	28.80	Pass	27	27	
		159	5795		18.72		18.69	21.71	28.80	Pass	29	29	
		Mode:	802.11ac(20MHz)	Data Rate:	MCSS0SS1	Conducted power MIMO Mode(2TX+2RX)					Power Index		
		Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit		Ant 3	Ant 5
				(MHz)		Ant3	Ant5	Avg. (dBm Ant 1+2)	Avg. (dBm)	Pass/Fail			
Tnom (25 °C)	Vnom (120V)	36	5180		14.33		14.52	17.44	28.80	Pass	39	39	
		44	5220		14.06		14.34	17.21	28.80	Pass	39	39	
		48	5240		14.01		14.42	17.23	28.80	Pass	39	39	
		52	5260		16.46		16.71	19.60	22.80	Pass	35	35	
		60	5300		16.29		16.71	19.52	22.80	Pass	35	35	
		64	5320		16.25		16.68	19.48	22.80	Pass	35	35	
		100	5500		16.04		16.40	19.23	22.80	Pass	35	35	
		116	5580		15.98		16.30	19.15	22.80	Pass	35	35	
		140	5700		16.12		16.30	19.22	22.80	Pass	35	35	
		149	5745		19.82		20.01	22.93	28.80	Pass	27	27	
		157	5785		19.81		19.90	22.87	28.80	Pass	27	27	
		165	5825		19.54		19.63	22.59	28.80	Pass	27	27	
Mode:	802.11ac(40MHz)	Data Rate:	MCSS0SS1	Conducted power MIMO Mode(2TX+2RX)					Power Index				
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit		Ant 3	Ant 5		
		(MHz)		Ant3	Ant5	Avg. (dBm Ant 1+2)	Avg. (dBm)	Pass/Fail					
Tnom (25 °C)	Vnom (120V)	38	5190		14.09		14.08	17.10	28.80	Pass	40	40	
		46	5230		13.96		14.06	17.02	28.80	Pass	40	40	
		52	5270		15.68		15.81	18.76	22.80	Pass	35	35	
		60	5310		15.47		15.60	18.55	22.80	Pass	35	35	
		102	5510		16.16		16.54	19.36	22.80	Pass	35	35	
		110	5550		16.26		16.59	19.44	22.80	Pass	35	35	
		134	5670		16.37		16.72	19.56	22.80	Pass	35	35	
		151	5755		19.53		19.64	22.60	28.80	Pass	27	27	
		159	5795		19.35		19.48	22.43	28.80	Pass	27	27	
Mode:	802.11ac(80MHz)	Data Rate:	MCSS0SS1	Conducted power MIMO Mode(2TX+2RX)					Power Index				
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit		Ant 3	Ant 5		
		(MHz)		Ant3	Ant5	Avg. (dBm Ant 1+2)	Avg. (dBm)	Pass/Fail					
Tnom (25 °C)	Vnom (120V)	42	5210		13.91		13.93	16.93	28.80	Pass	39	39	
		58	5290		15.07		15.23	18.16	22.80	Pass	37	37	
		106	5530		14.71		15.10	17.92	22.80	Pass	37	37	
		122	5610		14.59		14.97	17.79	22.80	Pass	37	37	
		155	5775		18.13		18.35	21.25	28.80	Pass	27	27	
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2TX+2RX)					Power Index				
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit		Ant 3	Ant 5		
		(MHz)		Ant3	Ant5	Avg. (dBm Ant 1+2)	Avg. (dBm)	Pass/Fail					
Tnom (25 °C)	Vnom (120V)	36	5180		14.32		14.42	17.38	28.80	Pass	39	39	
		44	5220		14.18		14.48	17.34	28.80	Pass	39	39	
		48	5240		13.94		14.27	17.12	28.80	Pass	39	39	
		52	5260		16.42		16.72	19.58	22.80	Pass	35	35	
		60	5300		16.27		16.53	19.41	22.80	Pass	35	35	
		64	5320		16.25		16.63	19.45	22.80	Pass	35	35	
		100	5500		16.10		16.43	19.28	22.80	Pass	35	35	
		116	5580		16.06		16.37	19.23	22.80	Pass	35	35	
		140	5700		16.17		16.38	19.29	22.80	Pass	35	35	
		149	5745		19.78		19.87	22.89	28.80	Pass	27	27	
		157	5785		19.72		19.80	22.77	28.80	Pass	27	27	
		165	5825		19.55		19.68	22.62	28.80	Pass	27	27	
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2TX+2RX)					Power Index				
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit		Ant 3	Ant 5		
		(MHz)		Ant3	Ant5	Avg. (dBm Ant 1+2)	Avg. (dBm)	Pass/Fail					
Tnom (25 °C)	Vnom (120V)	38	5190		14.02		13.95	16.99	28.80	Pass	40	40	
		46	5230		13.73		13.75	16.75	28.80	Pass	40	40	
		52	5270		15.62		15.52	18.58	22.80	Pass	35	35	
		60	5310		15.47		15.60	18.55	22.80	Pass	35	35	
		102	5510		16.16		16.53	19.36	22.80	Pass	35	35	
		110	5550		16.16		16.51	19.36	22.80	Pass	35	35	
		134	5670		16.41		16.78	19.81	22.80	Pass	35	35	
		151	5755		19.51		19.60	22.57	28.80	Pass	27	27	
		159	5795		19.31		19.41	22.37	28.80	Pass	27	27	
		Mode:	802.11ax(80MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2TX+2RX)					Power Index		
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit		Ant 3	Ant 5		
		(MHz)		Ant3	Ant5	Avg. (dBm Ant 1+2)	Avg. (dBm)	Pass/Fail					
Tnom (25 °C)	Vnom (120V)	42	5210		13.86		13.83	16.86	28.80	Pass	39	39	
		58	5290		15.10		15.25	18.19	22.80	Pass	37	37	
		106	5530		14.72		15.09	17.92	22.80	Pass	37	37	
		122	5610		14.59		14.97	17.79	22.80	Pass	37	37	
		155	5775		18.11		18.31	21.22	28.80	Pass	27	27	
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power MIMO Mode(2TX+2RX)					Power Index				
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit		Ant 3	Ant 5		
		(MHz)		Ant3	Ant5	Avg. (dBm Ant 1+2)	Avg. (dBm)	Pass/Fail					
Tnom (25 °C)	Vnom (120V)	42	5210		13.86		13.83	16.86	28.80	Pass	39	39	
		58	5290		15.10		15.25	18.19	22.80	Pass	37	37	
		106	5530		14.72		15.09	17.92	22.80	Pass	37	37	
		122	5610		14.59		14.97	17.79	22.80	Pass	37	37	
		155	5775		18.11		18.31	21.22	28.80	Pass	27	27	

Mode:		z)	Data Rate:	HEONSS1	MIMO Mode(2Tx*2Rx)						Power Index								
Test Conditions	Channel	Frequency		Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit											
		(MHz)		Ant3		Ant5		Avg. (dBm (Ant 1+2)		Avg. (dBm)		Pass/Fail							
												Ant 3		Ant 5					
Tnom (25 °C)	Vnom (120V)	50	5250	14.08		14.16		17.13		24.00		Pass		39					
		114	5570	13.07		13.45		16.27		24.00		Pass		37					
Antenna Technology:	CDD 4T4																		
Mode:	802.11a	Data Rate:	6Mbps	MIMO Mode(4Tx*4Rx)						Power Index									
Test Conditions	Channel	Frequency		Ant3		Ant5		Ant6		Ant7		Total Power		Limit					
		(MHz)		Reading Level		Reading Level		Reading Level		Reading Level		Avg. (dBm (Ant 1+2+3+4)		Avg. (dBm)					
				Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail					
Tnom (25 °C)	Vnom (120V)	36	5180	11.19		11.27		11.36		11.33		17.51		28.80					
		44	5220	11.10		11.21		11.35		11.31		17.26		28.80					
		48	5240	11.03		11.20		11.18		11.28		17.19		28.80					
		52	5260	12.36		12.58		12.65		12.65		22.80		Pass					
		60	5300	12.23		12.46		12.46		12.63		18.47		22.80					
		64	5320	12.24		12.51		12.51		12.64		18.50		22.80					
		100	5500	11.97		11.95		11.95		12.32		18.07		22.80					
		116	5580	12.02		11.97		11.97		12.35		18.10		22.80					
		140	5700	12.06		11.82		11.82		12.24		18.01		22.80					
		149	5745	17.43		17.23		17.23		17.63		23.40		Pass					
		157	5785	17.25		16.94		16.94		17.34		23.14		28.80					
		165	5825	17.09		16.87		16.87		17.22		23.03		28.80					
Mode:	802.11n(20MHz)	Data Rate:	MCSS0	MIMO Mode(4Tx*4Rx)						Power Index									
Test Conditions	Channel	Frequency		Ant3		Ant5		Ant6		Ant7		Total Power		Limit					
		(MHz)		Reading Level		Reading Level		Reading Level		Reading Level		Avg. (dBm (Ant 1+2+3+4)		Avg. (dBm)					
				Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail					
Tnom (25 °C)	Vnom (120V)	36	5180	11.11		11.19		11.32		11.40		17.28		28.80					
		44	5220	11.00		11.18		11.21		11.41		17.22		28.80					
		48	5240	11.03		11.29		11.21		11.37		17.25		28.80					
		52	5260	12.36		12.58		12.58		12.66		18.57		22.80					
		60	5300	12.24		12.50		12.50		12.65		18.50		22.80					
		64	5320	12.24		12.51		12.51		12.64		18.50		22.80					
		100	5500	12.02		12.01		12.01		12.38		18.13		22.80					
		116	5580	12.03		11.97		11.97		12.36		18.11		22.80					
		140	5700	12.09		11.84		11.84		12.26		18.03		22.80					
		149	5745	17.22		17.11		17.11		17.50		23.27		28.80					
		157	5785	17.20		16.87		16.87		17.29		23.08		28.80					
		165	5825	16.94		16.72		16.72		17.07		22.89		28.80					
Mode:	802.11n(40MHz)	Data Rate:	MCSS0	MIMO Mode(4Tx*4Rx)						Power Index									
Test Conditions	Channel	Frequency		Ant3		Ant5		Ant6		Ant7		Total Power		Limit					
		(MHz)		Reading Level		Reading Level		Reading Level		Reading Level		Avg. (dBm (Ant 1+2+3+4)		Avg. (dBm)					
				Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail					
Tnom (25 °C)	Vnom (120V)	38	5190	11.39		11.75		11.71		11.70		17.66		28.80					
		46	5230	11.23		11.55		11.56		11.72		17.56		28.80					
		52	5270	12.04		12.40		12.31		12.45		18.32		22.80					
		60	5310	12.09		11.52		12.29		12.50		18.14		22.80					
		102	5510	12.10		12.18		12.18		12.36		18.23		22.80					
		110	5550	12.13		12.04		12.13		12.47		18.22		22.80					
		134	5670	12.06		12.01		12.01		12.37		18.14		22.80					
		151	5755	17.47		17.33		17.33		17.66		23.47		28.80					
		159	5795	17.45		17.18		17.18		17.61		23.38		28.80					
Mode:	802.11ac(20MHz)	Data Rate:	MCSSONSS1	MIMO Mode(4Tx*4Rx)						Power Index									
Test Conditions	Channel	Frequency		Ant3		Ant5		Ant6		Ant7		Total Power		Limit					
		(MHz)		Reading Level		Reading Level		Reading Level		Reading Level		Avg. (dBm (Ant 1+2+3+4)		Avg. (dBm)					
				Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Pass/Fail					
Tnom (25 °C)	Vnom (120V)	36	5180	11.16		11.14		11.11		11.39		17.22		28.80					
		44	5220	11.05		11.12		11.14		11.25		17.16		28.80					
		48	5240	10.99		11.03		11.05		11.25		17.10		28.80					
		52	5260	12.31		12.51		12.51		12.58		18.50		22.80					
		60	5300	12.23		12.45		12.45		12.63		18.46		22.80					
		64	5320	12.51		12.54		12.51		12.63		18.50		22.80					

Test Conditions	Channel	Frequency	Ant3 Reading Level	Ant5 Reading Level	Ant6 Reading Level	Ant7 Reading Level	Total Power		Limit					
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm) (Ant 1+2+3+4)		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7
Tnom (25 °C)	Vnom (120V)	50	5250	11.40	11.52	11.65	11.32	17.49	22.80	Pass	44	44	44	44
		114	5570	11.08	10.72	11.06	10.66	16.90	28.80	Pass	44	44	44	44
Antenna Technology:	Beamforming 2x2													
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(2Tx*2Rx)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit							
		(MHz)	Ant3	Ant5	Avg. (dBm) (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	36	5180	11.18	11.48	14.34	25.79	Pass	45	45				
		44	5220	10.99	11.53	14.17	25.79	Pass	45	45				
		48	5240	10.87	11.28	14.09	25.79	Pass	45	45				
		52	5260	13.01	13.26	16.14	19.79	Pass	41	41				
		60	5300	12.85	13.21	16.04	19.79	Pass	41	41				
		64	5320	12.81	13.13	16.01	19.79	Pass	41	41				
		100	5500	12.68	13.03	15.86	19.79	Pass	41	41				
		116	5580	12.57	12.88	15.74	19.79	Pass	41	41				
		140	5700	12.65	12.85	15.76	19.79	Pass	41	41				
		149	5745	19.49	19.66	22.59	25.79	Pass	27	27				
		157	5785	19.45	19.54	22.51	25.79	Pass	27	27				
		165	5825	19.27	19.36	22.33	25.79	Pass	27	27				
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power MIMO Mode(2Tx*2Rx)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit							
		(MHz)	Ant3	Ant5	Avg. (dBm) (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	38	5190	11.44	11.39	14.43	25.79	Pass	45	45				
		46	5230	11.36	11.30	14.34	25.79	Pass	45	45				
		52	5270	12.10	12.11	15.11	19.79	Pass	43	43				
		60	5310	12.00	12.10	15.06	19.79	Pass	43	43				
		102	5510	12.71	13.06	15.90	19.79	Pass	40	40				
		110	5550	12.80	13.13	15.87	19.79	Pass	40	40				
		134	5670	12.92	13.27	16.10	19.79	Pass	39	39				
		151	5755	19.22	19.32	22.28	25.79	Pass	27	27				
		159	5795	19.01	19.14	22.09	25.79	Pass	27	27				
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NS1	Conducted power MIMO Mode(2Tx*2Rx)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit							
		(MHz)	Ant3	Ant5	Avg. (dBm) (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	36	5180	11.29	11.47	14.39	25.79	Pass	45	45				
		44	5220	11.11	11.40	14.31	25.79	Pass	45	45				
		48	5240	10.83	11.14	13.99	25.79	Pass	45	45				
		52	5260	12.93	13.21	16.08	19.79	Pass	41	41				
		60	5300	12.89	13.30	16.11	19.79	Pass	41	41				
		64	5320	12.82	13.25	16.05	19.79	Pass	41	41				
		100	5500	12.70	13.04	15.88	19.79	Pass	41	41				
		116	5580	12.56	12.89	15.74	19.79	Pass	41	41				
		140	5700	12.64	12.84	15.75	19.79	Pass	41	41				
		149	5745	19.50	19.69	22.61	25.79	Pass	27	27				
		157	5785	19.43	19.52	22.49	25.79	Pass	27	27				
		165	5825	19.20	19.30	22.26	25.79	Pass	27	27				
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NS1	Conducted power MIMO Mode(2Tx*2Rx)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit							
		(MHz)	Ant3	Ant5	Avg. (dBm) (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	38	5190	11.39	11.38	14.40	25.79	Pass	45	45				
		46	5230	11.27	11.46	14.37	25.79	Pass	45	45				
		52	5270	13.32	13.43	16.38	19.79	Pass	41	41				
		60	5310	13.10	13.24	16.18	19.79	Pass	41	41				
		102	5510	12.72	13.09	15.92	19.79	Pass	40	40				
		110	5550	12.73	13.08	15.91	19.79	Pass	40	40				
		134	5670	12.88	13.24	16.07	19.79	Pass	39	39				
		151	5755	19.17	19.28	22.24	25.79	Pass	27	27				
		159	5795	19.04	19.15	22.11	25.79	Pass	27	27				
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NS1	Conducted power MIMO Mode(2Tx*2Rx)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit							
		(MHz)	Ant3	Ant5	Avg. (dBm) (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	42	5210	10.98	11.02	14.01	25.79	Pass	45	45				
		58	5290	13.23	13.36	16.31	19.79	Pass	40	40				
		106	5530	12.83	13.20	16.02	19.79	Pass	39	39				
		122	5610	12.76	13.13	15.96	19.79	Pass	39	39				
		155	5775	17.61	17.79	20.71	25.79	Pass	27	27				
Mode:	802.11ax(20MHz)	Data Rate:	HE0NS1	Conducted power MIMO Mode(2Tx*2Rx)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit							
		(MHz)	Ant3	Ant5	Avg. (dBm) (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	36	5180	11.23	11.43	14.34	25.79	Pass	45	45				
		44	5220	11.19	11.35	14.28	25.79	Pass	45	45				
		48	5240	10.98	11.25	14.13	25.79	Pass	45	45				
		52	5260	12.94	13.23	16.10	19.79	Pass	41	41				
		60	5300	12.81	13.24	16.04	19.79	Pass	41	41				
		64	5320	12.81	13.18	16.01	19.79	Pass	41	41				
		100	5500	12.61	12.95	15.79	19.79	Pass	41	41				
		116	5580	12.62	12.92	15.78	19.79	Pass	41	41				
		140	5700	12.66	12.86	15.77	19.79	Pass	41	41				
		149	5745	19.51	19.68	22.61	25.79	Pass	27	27				
		157	5785	19.43	19.54	22.49	25.79	Pass	27	27				
		165	5825	19.21	19.34	22.29	25.79	Pass	27	27				
Mode:	802.11ax(40MHz)	Data Rate:	HE0NS1	Conducted power MIMO Mode(2Tx*2Rx)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		Total Power		Limit							
		(MHz)	Ant3	Ant5	Avg. (dBm) (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
Tnom (25 °C)	Vnom (120V)	38	5190											

			116	5580	6.61	6.61	6.61	6.98	12.74	16.78	Pass	53	53	53	53	
			140	5700	6.76	6.54	6.54	6.95	12.72	16.78	Pass	53	53	53	53	
			149	5745	15.94	15.76	15.76	16.15	21.93	22.78	Pass	34	34	34	34	
			157	5785	15.90	15.59	15.59	15.95	21.79	22.78	Pass	34	34	34	34	
			165	5825	15.67	15.47	15.47	15.80	21.62	22.78	Pass	34	34	34	34	
Mode:	802.11n(40MHz)	Data Rate:	MCS0													
			Conducted power													
			MIMO Mode(4Tx+4Rx)													
Test Conditions	Channel	Frequency	Ant3	Ant5	Ant6	Ant7	Total Power		Limit		Power Index					
		Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7			
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
Tnom (25 °C)	Vnom (120V)	38	5190	4.84	5.09	5.07	5.13	11.06	22.78	Pass	57	57	57	57		
		46	5230	4.79	4.99	5.06	5.22	11.04	22.78	Pass	57	57	57	57		
		52	5270	6.72	7.10	7.10	7.16	13.04	16.78	Pass	53	53	53	53		
		60	5310	6.75	7.12	7.12	7.17	13.06	16.78	Pass	52	52	52	52		
		102	5510	6.78	6.83	6.83	7.18	12.93	16.78	Pass	52	52	52	52		
		110	5550	6.73	6.83	6.83	7.16	12.91	16.78	Pass	52	52	52	52		
		134	5670	6.74	6.70	6.70	7.08	12.83	16.78	Pass	52	52	52	52		
		151	5755	16.15	15.98	15.98	16.33	22.13	22.78	Pass	33	33	33	33		
		159	5795	16.03	15.77	15.77	16.16	21.95	22.78	Pass	33	33	33	33		
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NS1													
			Conducted power													
			MIMO Mode(4Tx+4Rx)													
Test Conditions	Channel	Frequency	Ant3	Ant5	Ant6	Ant7	Total Power		Limit		Power Index					
		Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7			
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
Tnom (25 °C)	Vnom (120V)	36	5180	5.16	5.41	5.28	5.42	11.34	22.78	Pass	57	57	57	57		
		44	5220	5.20	5.29	5.42	5.48	11.37	22.78	Pass	57	57	57	57		
		48	5240	5.06	5.29	5.21	5.35	11.25	22.78	Pass	57	57	57	57		
		52	5260	7.01	7.24	7.24	7.30	13.22	16.78	Pass	53	53	53	53		
		60	5300	6.85	7.07	7.07	7.24	13.08	16.78	Pass	53	53	53	53		
		64	5320	6.95	7.19	7.19	7.31	13.18	16.78	Pass	53	53	53	53		
		100	5500	6.62	6.61	6.61	6.98	12.73	16.78	Pass	53	53	53	53		
		116	5580	6.71	6.65	6.65	7.03	12.78	16.78	Pass	53	53	53	53		
		140	5700	6.73	6.52	6.52	6.94	12.70	16.78	Pass	53	53	53	53		
		149	5745	15.98	15.81	15.81	16.15	21.97	22.78	Pass	34	34	34	34		
		157	5785	15.88	15.58	15.58	15.96	21.77	22.78	Pass	34	34	34	34		
		165	5825	15.67	15.45	15.45	15.77	21.61	22.78	Pass	34	34	34	34		
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NS1													
			Conducted power													
			MIMO Mode(4Tx+4Rx)													
Test Conditions	Channel	Frequency	Ant3	Ant5	Ant6	Ant7	Total Power		Limit		Power Index					
		Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7			
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
Tnom (25 °C)	Vnom (120V)	38	5190	4.78	5.14	5.14	5.14	11.07	22.78	Pass	57	57	57	57		
		46	5230	4.69	4.98	5.01	5.06	10.86	22.78	Pass	57	57	57	57		
		52	5270	6.71	7.05	7.13	7.13	13.01	16.78	Pass	53	53	53	53		
		60	5310	6.73	7.06	7.06	7.12	13.02	16.78	Pass	52	52	52	52		
		102	5510	6.78	6.83	6.83	7.17	12.93	16.78	Pass	52	52	52	52		
		110	5550	6.70	6.81	6.81	7.12	12.88	16.78	Pass	52	52	52	52		
		134	5670	6.72	6.69	6.69	7.04	12.81	16.78	Pass	52	52	52	52		
		151	5755	16.10	15.93	15.93	16.28	22.08	22.78	Pass	33	33	33	33		
		159	5795	16.10	15.84	15.84	16.26	22.03	22.78	Pass	33	33	33	33		
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NS1													
			Conducted power													
			MIMO Mode(4Tx+4Rx)													
Test Conditions	Channel	Frequency	Ant3	Ant5	Ant6	Ant7	Total Power		Limit		Power Index					
		Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7			
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
Tnom (25 °C)	Vnom (120V)	42	5210	4.88	5.24	5.12	5.23	11.14	22.78	Pass	57	57	57	57		
		58	5290	6.62	6.90	6.90	7.04	12.69	16.78	Pass	52	52	52	52		
		106	5530	6.33	6.36	6.36	6.65	12.45	16.78	Pass	52	52	52	52		
		122	5610	6.40	6.38	6.38	6.80	12.52	16.78	Pass	52	52	52	52		
		155	5775	13.26	13.03	13.03	13.40	19.20	22.78	Pass	38	38	38	38		
Mode:	802.11ax(20MHz)	Data Rate:	HE0NS1													
			Conducted power													
			MIMO Mode(4Tx+4Rx)													
Test Conditions	Channel	Frequency	Ant3	Ant5	Ant6	Ant7	Total Power		Limit		Power Index					
		Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7			
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
Tnom (25 °C)	Vnom (120V)	36	5180	5.11	5.36	5.29	5.47	11.53	22.78	Pass	57	57	57	57		
		44	5220	5.13	5.28	5.34	5.46	11.32	22.78	Pass	57	57	57	57		
		48	5240	4.99	5.33	5.32	5.44	11.29	22.78	Pass	57	57	57	57		
		52	5260	7.02	7.22	7.22	7.32	13.22	16.78	Pass	53	53	53	53		
		60	5300	6.88	7.14	7.14	7.30	13.14	16.78	Pass	53	53	53	53		
		64	5320	6.90	7.18	7.18	7.30	13.16	16.78	Pass	53	53	53	53		
		100	5500	6.65	6.63	6.63	6.98	12.74	16.78	Pass	53	53	53	53		
		116	5580	6.69	6.66	6.66	7.02	12.78	16.78	Pass	53	53	53	53		
		140	5700	6.78	6.55	6.55	6.97	12.73	16.78	Pass	53	53	53	53		
		149	5745	15.95	15.79	15.79	16.15	21.94	22.78	Pass	34	34	34	34		
		157	5785	15.87	15.57	15.57	15.96	21.77	22.78	Pass	34	34	34	34		
		165	5825	15.66	15.45	15.45	15.76	21.60	22.78	Pass	34	34	34	34		
Mode:	802.11ax(40MHz)	Data Rate:	HE0NS1													
			Conducted power													
			MIMO Mode(4Tx+4Rx)													
Test Conditions	Channel	Frequency	Ant3	Ant5	Ant6	Ant7	Total Power		Limit		Power Index					
		Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7			
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
Tnom (25 °C)	Vnom (120V)	38	5190	4.77	5.06	5.06	5.14	11.03	22.78	Pass	57	57	57	57		
		46	5230	4.65	5.08	5.08	5.16	11.02	22.78	Pass	57	57	57	57		
		52	5270	6.68	7.03	7.03	7.11	12.99	16.78	Pass	53	53	53	53		
		60	5310	6.79	7.13	7.13	7.19	13.08	16.78	Pass	52	52	52	52		
		102	5510	6.75	6.81	6.81	7.19	12.92	16.78	Pass	52	52	52	52		
		110	5550	6.72	6.82	6.82	7.15	12.90	16.78	Pass	52	52	52	52		
		134	5670	6.71	6.68	6.68	7.03	12.80	16.78	Pass	52	52	52	52		
		151	5755	16.10	15.96	15.96	16.29	22.10	22.78	Pass	33	33	33	33		
		159	5795	16.04	15.77	15.77	16.20	21.97	22.78	Pass	33	33	33	33		
Mode:	802.11ax(80MHz)	Data Rate:	HE0NS1													
			Conducted power													
			MIMO Mode(4Tx+4Rx)													
Test Conditions	Channel	Frequency	Ant3	Ant5	Ant6	Ant7	Total Power		Limit		Power Index					
		Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7			
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
Tnom (25 °C)	Vnom (120V)	42	5210	4.81	5.23	5.18	5.31	11.15	22.78	Pass	57	57	57	57		
		58	5290	6.65	6.96	6.96	7.08	12.94	16.78	Pass	52	52	52	52		
		106	5530	6.41	6.45	6.45	6.81	12.56	16.78	Pass	52	52	52	52		
		122	5610	6.37	6.37	6.37	6.78	12.49	16.78	Pass	52	52	52	52		
		155	5775	13.26	13.02	13.02	13.40	19.20	22.78	Pass	38	38	38	38		
Mode:	802.11ax(160MHz)	Data Rate:	HE0NS1													
			Conducted power													
			MIMO Mode(4Tx+4Rx)													
Test Conditions	Channel	Frequency	Ant3	Ant5	Ant6	Ant7	Total Power		Limit		Power Index					
		Reading Level	Reading Level	Reading Level	Reading Level	Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7			
		(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)										
Tnom (25 °C)	Vnom (120V)	50	5250	3.52	3.78	3.80	3.98	9.78	19.28	Pass	55	55	55	55		
		114	5570	6.39	6.40	6.40	6.74	12.50	19.28	Pass	50	50	50	50		

FCC 5GHz Power Table-ETH6(Outdoors and elevation angle > 30°)

Standard:	FCC Part 15.407	Test Date:	2021.01.05	Temperature:	25°C	Humidity:	55%RH
Project No.:	20B0117R	Product Name:	Wireless Access Point	Model Name:	AP510CX	Test Site:	TR8
Antenna Gain(dBi)	Ant 1	3.00	Ant 2	3.00	Ant 3	3.00	Ant 4
2°2 CDD-Directional Gain-Power(dBi)	3.00	2°2 BF-Directional Gain-Power(dBi)	6.01				
4°4 CDD-Directional Gain-Power(dBi)	3.00	4°4 BF-Directional Gain-Power(dBi)	9.02				



CDD 2°2																	
Antenna Technology:	Mode:		802.11a	Data Rate:	6Mbps	Conducted power					EIRP					Power Index	
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)					Total Power			Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
			Tnom (25°C)	Vnom (120V)	36	5180	14.21	14.47	20.35	21.00	Pass	39.00	39.00				
		44	5220	14.07	14.33	20.21	21.00	Pass	39.00	39.00							
		48	5240	13.79	14.15	19.96	21.00	Pass	39.00	39.00							
Mode:	802.11n(20MHz)		Data Rate:	MCS0	Conducted power					EIRP					Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)					Total Power			Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
			Tnom (25°C)	Vnom (120V)	36	5180	14.20	14.37	20.29	21.00	Pass	39.00	39.00				
		44	5220	14.17	14.54	20.37	21.00	Pass	39.00	39.00							
		48	5240	13.96	14.35	20.17	21.00	Pass	39.00	39.00							
Mode:	802.11n(40MHz)		Data Rate:	MCS0	Conducted power					EIRP					Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)					Total Power			Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
			Tnom (25°C)	Vnom (120V)	38	5190	14.30	14.16	20.24	21.00	Pass	39.00	39.00				
		46	5230	14.39	14.40	20.41	21.00	Pass	39.00	39.00							
Mode:	802.11ac(20MHz)		Data Rate:	MCS0NSS1	Conducted power					EIRP					Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)					Total Power			Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
			Tnom (25°C)	Vnom (120V)	36	5180	14.33	14.52	20.44	21.00	Pass	39.00	39.00				
		44	5220	14.06	14.34	20.21	21.00	Pass	39.00	39.00							
		48	5240	14.01	14.42	20.23	21.00	Pass	39.00	39.00							
Mode:	802.11ac(40MHz)		Data Rate:	MCS0NSS1	Conducted power					EIRP					Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)					Total Power			Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
			Tnom (25°C)	Vnom (120V)	38	5190	14.09	14.08	20.10	21.00	Pass	40.00	40.00				
		46	5230	13.96	14.06	20.02	21.00	Pass	40.00	40.00							
Mode:	802.11ac(80MHz)		Data Rate:	MCS0NSS1	Conducted power					EIRP					Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)					Total Power			Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
			Tnom (25°C)	Vnom (120V)	42	5210	13.91	13.93	19.93	21.00	Pass	39.00	39.00				
Mode:	802.11ax(20MHz)		Data Rate:	HE0NSS1	Conducted power					EIRP					Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)					Total Power			Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
			Tnom (25°C)	Vnom (120V)	36	5180	14.32	14.42	20.38	21.00	Pass	39.00	39.00				
		44	5220	14.18	14.48	20.34	21.00	Pass	39.00	39.00							
		48	5240	13.94	14.27	20.12	21.00	Pass	39.00	39.00							
Mode:	802.11ax(40MHz)		Data Rate:	HE0NSS1	Conducted power					EIRP					Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)					Total Power			Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
			Tnom (25°C)	Vnom (120V)	38	5190	14.02	13.95	19.99	21.00	Pass	40.00	40.00				
		46	5230	13.73	13.75	19.75	21.00	Pass	40.00	40.00							
Mode:	802.11ax(80MHz)		Data Rate:	HE0NSS1	Conducted power					EIRP					Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)					Total Power			Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
			Tnom (25°C)	Vnom (120V)	42	5210	13.86	13.83	19.86	21.00	Pass	39.00	39.00				
Mode:	802.11ax(160MHz)		Data Rate:	HE0NSS1	Conducted power					EIRP					Power Index		
Test Conditions	Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)					Total Power			Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2))			Avg. (dBm)	Pass/Fail	Ant 3	Ant 5					
			Tnom (25°C)	Vnom (120V)	50	5250	14.08	14.16	20.13	21.00	Pass	39.00	39.00				

Antenna Technology:			CDD 4°4																		
Mode:	802.11a	Data Rate:	6Mbps	Conducted power							EIRP							Power Index			
Test Conditions		Channel	Frequency	Ant1+2+3+4		MIMO Mode(4TX+4RX)		Total Power		Limit											
			Ant3 Reading Level (MHz) Avg. (dBm)	Ant5 Reading Level (MHz) Avg. (dBm)	Ant6 Reading Level (MHz) Avg. (dBm)	Ant7 Reading Level (MHz) Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7								
Tnom (25 °C)	Vnom (120V)	36	5180	11.19	11.27	11.36	11.33	20.31	21.00	Pass	45	45	45	45							
		44	5220	11.10	11.21	11.35	11.31	20.26	21.00	Pass	45	45	45	45							
		48	5240	11.03	11.20	11.18	11.28	20.19	21.00	Pass	45	45	45	45							
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power							EIRP							Power Index			
Test Conditions		Channel	Frequency	Ant1+2+3+4		MIMO Mode(4TX+4RX)		Total Power		Limit											
			Ant3 Reading Level (MHz) Avg. (dBm)	Ant5 Reading Level (MHz) Avg. (dBm)	Ant6 Reading Level (MHz) Avg. (dBm)	Ant7 Reading Level (MHz) Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7								
Tnom (25 °C)	Vnom (120V)	36	5180	11.11	11.19	11.32	11.40	20.28	21.00	Pass	45	45	45	45							
		44	5220	11.00	11.18	11.21	11.41	20.22	21.00	Pass	45	45	45	45							
		48	5240	11.03	11.29	11.21	11.37	20.25	21.00	Pass	45	45	45	45							
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power							EIRP							Power Index			
Test Conditions		Channel	Frequency	Ant1+2+3+4		MIMO Mode(4TX+4RX)		Total Power		Limit											
			Ant3 Reading Level (MHz) Avg. (dBm)	Ant5 Reading Level (MHz) Avg. (dBm)	Ant6 Reading Level (MHz) Avg. (dBm)	Ant7 Reading Level (MHz) Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7								
Tnom (25 °C)	Vnom (120V)	36	5190	11.39	11.75	11.71	11.70	20.66	21.00	Pass	45	45	45	45							
		46	5230	11.23	11.55	11.66	11.72	20.58	21.00	Pass	45	45	45	45							
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power							EIRP							Power Index			
Test Conditions		Channel	Frequency	Ant1+2+3+4		MIMO Mode(4TX+4RX)		Total Power		Limit											
			Ant3 Reading Level (MHz) Avg. (dBm)	Ant5 Reading Level (MHz) Avg. (dBm)	Ant6 Reading Level (MHz) Avg. (dBm)	Ant7 Reading Level (MHz) Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7								
Tnom (25 °C)	Vnom (120V)	36	5190	11.39	11.75	11.71	11.70	20.66	21.00	Pass	45	45	45	45							
		46	5230	11.23	11.55	11.66	11.72	20.58	21.00	Pass	45	45	45	45							
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power							EIRP							Power Index			
Test Conditions		Channel	Frequency	Ant1+2+3+4		MIMO Mode(4TX+4RX)		Total Power		Limit											
			Ant3 Reading Level (MHz) Avg. (dBm)	Ant5 Reading Level (MHz) Avg. (dBm)	Ant6 Reading Level (MHz) Avg. (dBm)	Ant7 Reading Level (MHz) Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7								
Tnom (25 °C)	Vnom (120V)	36	5190	11.48	11.81	11.85	11.87	20.78	21.00	Pass	45	45	45	45							
		46	5230	11.23	11.70	11.55	11.81	20.60	21.00	Pass	45	45	45	45							
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power							EIRP							Power Index			
Test Conditions		Channel	Frequency	Ant1+2+3+4		MIMO Mode(4TX+4RX)		Total Power		Limit											
			Ant3 Reading Level (MHz) Avg. (dBm)	Ant5 Reading Level (MHz) Avg. (dBm)	Ant6 Reading Level (MHz) Avg. (dBm)	Ant7 Reading Level (MHz) Avg. (dBm)	Avg. (dBm (Ant 1+2+3+4)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5	Ant 6	Ant 7								
Tnom (25 °C)	Vnom (120V)	42	5210	10.64	11.04	11.10	10.85	19.93	21.00	Pass	45	45	45	45							

Mode:	802.11ax(20MHz)	Data Rate:	HEONSS1	Conducted power						EIRP			Power Index				
				MIMO Mode(4TX+4RX)						Total Power							Limit
				Ant 1+2+3+4													
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Ant7		Total Power			Limit			
			Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)							
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25°C)	Vnom (120V)	36	5180	11.09	11.13	11.10	11.06	20.12			21.00	Pass	45	45	45	45	
		44	5220	11.13	11.16	11.13	11.29	20.20			21.00	Pass	45	45	45	45	
		48	5240	10.98	11.04	11.03	11.36	20.12			21.00	Pass	45	45	45	45	
Mode:	802.11ax(40MHz)	Data Rate:	HEONSS1	Conducted power						EIRP			Power Index				
				MIMO Mode(4TX+4RX)						Total Power							Limit
				Ant 1+2+3+4													
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Ant7		Total Power			Limit			
			Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)							
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25°C)	Vnom (120V)	38	5190	11.41	11.67	11.72	11.68	20.64			21.00	Pass	45	45	45	45	
		46	5230	11.39	11.63	11.62	11.75	20.62			21.00	Pass	45	45	45	45	
		Mode:	802.11ax(80MHz)	Data Rate:	HEONSS1	Conducted power						EIRP			Power Index		
MIMO Mode(4TX+4RX)						Total Power			Limit								
Ant 1+2+3+4																	
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Ant7		Total Power			Limit			
			Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)							
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25°C)	Vnom (120V)	42	5210	10.83	11.14	11.14	11.11	20.08			21.00	Pass	45	45	45	45	
Mode:	802.11ax(80MHz)	Data Rate:	HEONSS1	Conducted power						EIRP			Power Index				
				MIMO Mode(4TX+4RX)						Total Power							Limit
				Ant 1+2+3+4													
Test Conditions	Channel	Frequency	Ant3		Ant5		Ant6		Ant7		Total Power			Limit			
			Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)	Reading Level	Avg. (dBm)							
			(MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Ant 3	Ant 5	Ant 6	Ant 7	
Tnom (25°C)	Vnom (120V)	42	5210	11.40	11.52	11.65	11.32	20.49			21.00	Pass	44	44	44	44	

Antenna Technology		Beamforming 2*2														
Mode:	802.11n(20MHz)	Data Rate:	MCS0	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		MIMO Mode(2TX+2RX)		Total Power		Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5						
			Tnom (25 °C)	Vnom (120V)	36	5180	11.18	11.48	20.35	21.00	Pass				45	45
		44	5220	10.99	11.33	20.18	21.00	Pass	45	45						
		48	5240	10.87	11.28	20.10	21.00	Pass	45	45						
Mode:	802.11n(40MHz)	Data Rate:	MCS0	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		MIMO Mode(2TX+2RX)		Total Power		Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5						
			Tnom (25 °C)	Vnom (120V)	38	5190	11.44	11.39	20.44	21.00	Pass				45	45
		46	5230	11.36	11.30	20.35	21.00	Pass	45	45						
Mode:	802.11ac(20MHz)	Data Rate:	MCS0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		MIMO Mode(2TX+2RX)		Total Power		Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5						
			Tnom (25 °C)	Vnom (120V)	36	5180	11.29	11.47	20.40	21.00	Pass				45	45
		44	5220	11.11	11.49	20.32	21.00	Pass	45	45						
		48	5240	10.83	11.14	20.00	21.00	Pass	45	45						
Mode:	802.11ac(40MHz)	Data Rate:	MCS0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		MIMO Mode(2TX+2RX)		Total Power		Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5						
			Tnom (25 °C)	Vnom (120V)	38	5190	11.39	11.38	20.41	21.00	Pass				45	45
		46	5230	11.27	11.45	20.38	21.00	Pass	45	45						
Mode:	802.11ac(80MHz)	Data Rate:	MCS0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		MIMO Mode(2TX+2RX)		Total Power		Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5						
			Tnom (25 °C)	Vnom (120V)	42	5210	10.98	11.02	20.02	21.00	Pass				45	45
Mode:	802.11ax(20MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		MIMO Mode(2TX+2RX)		Total Power		Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5						
			Tnom (25 °C)	Vnom (120V)	36	5180	11.22	11.43	20.35	21.00	Pass				45	45
		44	5220	11.19	11.35	20.29	21.00	Pass	45	45						
		48	5240	10.98	11.25	20.14	21.00	Pass	45	45						
Mode:	802.11ax(40MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		MIMO Mode(2TX+2RX)		Total Power		Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5						
			Tnom (25 °C)	Vnom (120V)	38	5190	11.44	11.40	20.44	21.00	Pass				45	45
		46	5230	11.37	11.40	20.41	21.00	Pass	45	45						
Mode:	802.11ax(80MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		MIMO Mode(2TX+2RX)		Total Power		Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5						
			Tnom (25 °C)	Vnom (120V)	42	5210	10.87	10.91	19.91	21.00	Pass				45	45
Mode:	802.11ax(160MHz)	Data Rate:	HE0NSS1	Conducted power				EIRP				Power Index				
Test Conditions		Channel	Frequency	Ant 1+2 Reading Level Avg. (dBm)		MIMO Mode(2TX+2RX)		Total Power		Limit						
			(MHz)	Ant3	Ant5	Avg. (dBm (Ant 1+2)	Avg. (dBm)	Pass/Fail	Ant 3	Ant 5						
			Tnom (25 °C)	Vnom (120V)	50	5250	9.65	9.68	18.69	21.00	Pass				42	42

Mode:	802.11ac(80MHz)	Data Rate:	MCSONSS1	MIMO Mode(4TX+4RX)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit						
			Ant3	Ant5	Ant6	Ant7		Avg. (dBm)	Pass/Fail					
			Reading Level	Reading Level	Reading Level	Reading Level								
(MHz)		Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	(Ant 1+2+3+4)		Ant 3	Ant 5	Ant 6	Ant 7		
Tnom (25°C)	Vnom (120V)	42	5210	4.88	5.24	5.12	5.23	20.16	21.00	Pass	57	57	57	57
			Conducted power				EIRP							
Mode:	802.11ax(20MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit						
			Ant3	Ant5	Ant6	Ant7		Avg. (dBm)	Pass/Fail					
			Reading Level	Reading Level	Reading Level	Reading Level								
(MHz)		Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	(Ant 1+2+3+4)		Ant 3	Ant 5	Ant 6	Ant 7		
Tnom (25°C)	Vnom (120V)	36	5180	5.11	5.36	5.29	5.47	20.35	21.00	Pass	57	57	57	57
		44	5220	5.13	5.28	5.34	5.46	20.34	21.00	Pass	57	57	57	57
		48	5240	4.99	5.33	5.32	5.44	20.31	21.00	Pass	57	57	57	57
			Conducted power				EIRP							
Mode:	802.11ax(40MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit						
			Ant3	Ant5	Ant6	Ant7		Avg. (dBm)	Pass/Fail					
			Reading Level	Reading Level	Reading Level	Reading Level								
(MHz)		Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	(Ant 1+2+3+4)		Ant 3	Ant 5	Ant 6	Ant 7		
Tnom (25°C)	Vnom (120V)	38	5190	4.77	5.06	5.06	5.14	20.05	21.00	Pass	57	57	57	57
		46	5230	4.65	5.08	5.08	5.16	20.04	21.00	Pass	57	57	57	57
			Conducted power				EIRP							
Mode:	802.11ax(80MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit						
			Ant3	Ant5	Ant6	Ant7		Avg. (dBm)	Pass/Fail					
			Reading Level	Reading Level	Reading Level	Reading Level								
(MHz)		Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	(Ant 1+2+3+4)		Ant 3	Ant 5	Ant 6	Ant 7		
Tnom (25°C)	Vnom (120V)	42	5210	4.81	5.23	5.18	5.31	20.18	21.00	Pass	57	57	57	57
			Conducted power				EIRP							
Mode:	802.11ax(80MHz)	Data Rate:	HEONSS1	MIMO Mode(4TX+4RX)							Power Index			
Test Conditions	Channel	Frequency	Ant 1+2+3+4				Total Power	Limit						
			Ant3	Ant5	Ant6	Ant7		Avg. (dBm)	Pass/Fail					
			Reading Level	Reading Level	Reading Level	Reading Level								
(MHz)		Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	(Ant 1+2+3+4)		Ant 3	Ant 5	Ant 6	Ant 7		
Tnom (25°C)	Vnom (120V)	42	5210	3.52	3.78	3.80	3.98	18.81	21.00	Pass	55	55	55	55

FCC 5GHz Power Table-ETH 7																			
Standard:		FCC Part 15.407		Test Date:		2021.03.31		Temperature:		25℃		Humidity:		55%RH					
Project No.:		20B0117R				Product Name:		Wireless Access Point		Model Name:		AP510CX		Test Site:		TR8			
Antenna Gain(dBi)		Ant 1		7.20		Ant 2		7.20		Ant 3		7.20		Ant 4		7.20			
2*2 CDD-Directional Gain-Power(dBi)		7.20				2*2 BF-Directional Gain-Power(dBi)				10.21									
4*4 CDD-Directional Gain-Power(dBi)		7.20				4*4 BF-Directional Gain-Power(dBi)				13.22									
Antenna Technology:													CDD 4*4						
Mode:		802.11n(20MHz)		Data Rate:		MCS24		Conducted power MIMO Mode(4TX+4RX)											
Test Conditions		Channel		Frequency		Ant1		Ant2		Ant3		Ant4		Total Power		Limit			
				Reading Level		Reading Level		Reading Level		Reading Level									
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)							
Tnom (25℃)	Vnom (120V)	36		5180		10.63		10.51		10.60		10.68		16.63		28.80			
		44		5220		10.65		10.62		10.41		10.58		16.59		28.80			
		48		5240		10.58		10.49		10.66		10.56		16.59		28.80			
		52		5260		15.96		16.09		16.02		15.91		22.02		22.80			
		60		5300		16.05		15.92		16.08		16.00		22.03		22.80			
		64		5320		15.82		16.18		15.97		15.86		21.98		22.80			
Mode:		802.11n(40MHz)		Data Rate:		MCS24		Conducted power MIMO Mode(4TX+4RX)											
Test Conditions		Channel		Frequency		Ant1		Ant2		Ant3		Ant4		Total Power		Limit			
				Reading Level		Reading Level		Reading Level		Reading Level									
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)							
Tnom (25℃)	Vnom (120V)	38		5190		10.77		10.65		10.91		10.64		16.77		28.80			
		46		5230		10.57		10.64		10.75		10.52		16.64		28.80			
		52		5270		15.84		15.90		16.00		15.78		21.90		22.80			
		60		5310		13.44		13.73		13.64		13.60		19.62		22.80			
		64		5320		15.63		16.00		15.75		15.70		21.79		22.80			
		Mode:		802.11ac(20MHz)		Data Rate:		MCS30NSS4		Conducted power MIMO Mode(4TX+4RX)									
Test Conditions		Channel		Frequency		Ant1		Ant2		Ant3		Ant4		Total Power		Limit			
				Reading Level		Reading Level		Reading Level		Reading Level									
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)							
Tnom (25℃)	Vnom (120V)	36		5180		10.63		10.51		10.60		10.68		16.63		28.80			
		44		5220		10.65		10.62		10.41		10.58		16.59		28.80			
		48		5240		10.58		10.49		10.66		10.56		16.59		28.80			
		52		5260		15.77		15.93		15.88		15.93		21.90		22.80			
		60		5300		16.01		15.83		15.92		16.03		21.97		22.80			
		64		5320		15.63		16.00		15.75		15.70		21.79		22.80			
Mode:		802.11ac(40MHz)		Data Rate:		MCS30NSS4		Conducted power MIMO Mode(4TX+4RX)											
Test Conditions		Channel		Frequency		Ant1		Ant2		Ant3		Ant4		Total Power		Limit			
				Reading Level		Reading Level		Reading Level		Reading Level									
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)							
Tnom (25℃)	Vnom (120V)	38		5190		10.83		10.71		10.76		10.63		16.76		28.80			
		46		5230		10.53		10.68		10.67		10.48		16.61		28.80			
		52		5270		15.85		15.95		16.05		15.93		21.97		22.80			
		60		5310		13.51		13.81		13.57		13.43		19.60		22.80			
		64		5320		15.63		16.00		15.75		15.70		21.79		22.80			
		Mode:		802.11ac(80MHz)		Data Rate:		MCS30NSS4		Conducted power MIMO Mode(4TX+4RX)									
Test Conditions		Channel		Frequency		Ant1		Ant2		Ant3		Ant4		Total Power		Limit			
				Reading Level		Reading Level		Reading Level		Reading Level									
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)							
Tnom (25℃)	Vnom (120V)	42		5210		10.70		10.64		10.73		10.84		16.75		28.80			
		58		5290		13.01		13.23		13.10		13.13		19.14		22.80			
		64		5320		15.63		16.00		15.75		15.70		21.79		22.80			
		Mode:		802.11ax(20MHz)		Data Rate:		HE36NSS4		Conducted power MIMO Mode(4TX+4RX)									
		Test Conditions		Channel		Frequency		Ant1		Ant2		Ant3		Ant4		Total Power		Limit	
						Reading Level		Reading Level		Reading Level		Reading Level							
(MHz)						Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)							
Tnom (25℃)	Vnom (120V)	36		5180		10.63		10.51		10.60		10.68		16.63		28.80			
		44		5220		10.65		10.62		10.41		10.58		16.59		28.80			
		48		5240		10.58		10.49		10.66		10.56		16.59		28.80			
		52		5260		15.83		16.02		15.90		15.85		21.92		22.80			
		60		5300		15.86		15.88		15.90		15.81		21.88		22.80			
		64		5320		15.63		16.01		15.99		15.88		21.90		22.80			
Mode:		802.11ax(40MHz)		Data Rate:		HE36NSS4		Conducted power MIMO Mode(4TX+4RX)											
Test Conditions		Channel		Frequency		Ant1		Ant2		Ant3		Ant4		Total Power		Limit			
				Reading Level		Reading Level		Reading Level		Reading Level									
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)							
Tnom (25℃)	Vnom (120V)	38		5190		10.81		10.68		10.92		10.63		16.78		28.80			
		46		5230		10.69		10.76		10.61		10.62		16.69		28.80			
		52		5270		16.00		15.94		15.97		15.89		21.97		22.80			
		60		5310		13.47		13.86		13.71		13.52		19.66		22.80			
		64		5320		15.63		16.00		15.75		15.70		21.79		22.80			
		Mode:		802.11ax(80MHz)		Data Rate:		HE36NSS4		Conducted power MIMO Mode(4TX+4RX)									
Test Conditions		Channel		Frequency		Ant1		Ant2		Ant3		Ant4		Total Power		Limit			
				Reading Level		Reading Level		Reading Level		Reading Level									
				(MHz)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)							
Tnom (25℃)	Vnom (120V)	42		5210		10.63		10.59		10.72		10.73		16.69		28.80			
		58		5290		13.09		13.13		13.06		13.07		19.11		22.80			
		64		5320		15.63		16.00		15.75		15.70		21.79		22.80			
		Mode:		802.11ax(160MHz)		Data Rate:		HE36NSS4		Conducted power MIMO Mode(4TX+4RX)									
		Test Conditions		Channel		Frequency		Ant1		Ant2		Ant3		Ant4		Total Power		Limit	
						Reading Level		Reading Level		Reading Level		Reading Level							
(MHz)						Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)							
Tnom (25℃)	Vnom (120V)	50		5250		13.21		13.39		13.32		13.24		19.31		22.80			

FCC 5GHz Power Table-ETH 6															
Standard:	FCC Part 15.407	Test Date:	2021.03.31	Temperature:	25℃		Humidity:	55%RH							
Project No.:	20B0117R			Product Name:	Wireless Access Point		Model Name:	AP510CX	Test Site:	TR8					
Antenna Gain(dBi)		Ant 3	7.20	Ant 5	7.20	Ant 6	7.20	Ant 7	7.20						
2*2 CDD-Directional Gain-Power(dBi)		7.20		2*2 BF-Directional Gain-Power(dBi)		10.21									
4*4 CDD-Directional Gain-Power(dBi)		7.20		4*4 BF-Directional Gain-Power(dBi)		13.22									
Antenna Technology:				CDD 4*4											
Mode:		802.11n(20MHz)	Data Rate:	MCS24	Conducted power MIMO Mode(4TX+4RX)										
Test Conditions		Channel	Frequency	Ant1		Ant2		Ant3		Ant4		Total Power	Limit		
			Reading Level	Reading Level		Reading Level		Reading Level							
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail
Tnom (25 °C)	Vnom (120V)	36	5180	10.94		11.03		11.07		11.00		17.03	28.80	Pass	
		44	5220	10.98		10.91		10.89		10.83		16.92	28.80	Pass	
		48	5240	11.03		10.85		10.82		10.84		16.91	28.80	Pass	
		52	5260	16.15		16.29		15.74		16.15		22.11	22.80	Pass	
		60	5300	16.28		15.88		16.22		16.20		22.17	22.80	Pass	
		64	5320	14.00		13.79		13.58		13.89		19.84	22.80	Pass	
		100	5500	15.71		15.63		15.76		15.75		21.74	22.80	Pass	
		116	5580	16.08		15.78		16.08		15.76		21.95	22.80	Pass	
		140	5700	16.32		15.90		16.49		15.95		22.19	22.80	Pass	
		149	5745	17.16		16.80		16.98		16.83		22.97	22.80	Pass	
		157	5785	16.94		16.89		16.85		16.74		22.88	22.80	Pass	
		165	5825	17.04		16.91		16.77		16.78		22.90	22.80	Pass	
Mode:		802.11n(40MHz)	Data Rate:	MCS24	Conducted power MIMO Mode(4TX+4RX)										
Test Conditions		Channel	Frequency	Ant1		Ant2		Ant3		Ant4		Total Power	Limit		
			Reading Level	Reading Level		Reading Level		Reading Level							
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail
Tnom (25 °C)	Vnom (120V)	38	5190	11.34		11.23		11.30		11.19		17.29	28.80	Pass	
		46	5230	11.13		11.27		11.14		11.23		17.21	28.80	Pass	
		52	5270	16.05		15.94		15.98		15.93		22.00	22.80	Pass	
		60	5310	12.60		12.47		12.41		12.59		18.54	22.80	Pass	
		102	5510	13.46		13.23		13.63		13.51		19.48	22.80	Pass	
		110	5550	16.08		16.02		16.06		16.09		22.08	22.80	Pass	
		134	5670	16.00		16.05		15.83		15.97		21.98	22.80	Pass	
		151	5755	17.12		16.94		16.88		16.90		22.98	22.80	Pass	
		159	5795	17.17		16.90		16.89		16.97		23.01	22.80	Pass	
		Mode:		802.11ac(20MHz)	Data Rate:	MCS30NSS 4	Conducted power MIMO Mode(4TX+4RX)								
		Test Conditions		Channel	Frequency	Ant1		Ant2		Ant3		Ant4		Total Power	Limit
					Reading Level	Reading Level		Reading Level		Reading Level					
(MHz)	Avg. (dBm)				Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	
Tnom (25 °C)	Vnom (120V)	36	5180	10.92		11.03		11.12		10.88		17.01	28.80	Pass	
		44	5220	10.99		10.88		10.87		10.87		16.92	28.80	Pass	
		48	5240	10.84		10.78		10.68		10.83		16.81	28.80	Pass	
		52	5260	16.16		16.14		15.63		16.10		22.03	22.80	Pass	
		60	5300	16.14		15.81		16.08		16.25		22.10	22.80	Pass	
		64	5320	14.06		13.86		13.47		13.77		19.82	22.80	Pass	
		100	5500	15.55		15.48		15.72		15.63		21.62	22.80	Pass	
		116	5580	16.15		15.82		15.97		15.68		21.93	22.80	Pass	
		140	5700	16.39		15.97		16.44		15.85		22.19	22.80	Pass	
		149	5745	17.08		16.74		16.82		16.74		22.87	22.80	Pass	
		157	5785	16.93		16.73		16.86		16.67		22.82	22.80	Pass	
		165	5825	16.86		16.73		16.68		16.75		22.78	22.80	Pass	
Mode:		802.11ac(40MHz)	Data Rate:	MCS30NSS 4	Conducted power MIMO Mode(4TX+4RX)										
Test Conditions		Channel	Frequency	Ant1		Ant2		Ant3		Ant4		Total Power	Limit		
			Reading Level	Reading Level		Reading Level		Reading Level							
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail
Tnom (25 °C)	Vnom (120V)	38	5190	11.18		11.22		11.39		11.20		17.27	28.80	Pass	
		46	5230	11.16		11.20		11.09		11.18		17.18	28.80	Pass	
		52	5270	15.94		15.96		15.93		15.86		21.94	22.80	Pass	
		60	5310	12.43		12.43		12.46		12.60		18.50	22.80	Pass	
		102	5510	13.42		13.14		13.71		13.41		19.45	22.80	Pass	
		110	5550	16.03		16.00		16.03		16.11		22.06	22.80	Pass	
		134	5670	15.94		15.95		15.91		15.86		21.93	22.80	Pass	
		151	5755	17.05		16.78		16.88		16.94		22.93	22.80	Pass	
		159	5795	17.01		16.80		16.97		16.81		22.92	22.80	Pass	
		Mode:		802.11ac(80MHz)	Data Rate:	MCS30NSS 4	Conducted power MIMO Mode(4TX+4RX)								
		Test Conditions		Channel	Frequency	Ant1		Ant2		Ant3		Ant4		Total Power	Limit
					Reading Level	Reading Level		Reading Level		Reading Level					
(MHz)	Avg. (dBm)				Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	
Tnom (25 °C)	Vnom (120V)	42	5210	10.51		10.55		10.46		10.53		16.53	28.80	Pass	
		58	5290	11.81		11.77		11.86		11.92		17.86	22.80	Pass	
		106	5530	12.45		12.59		12.64		12.59		18.59	22.80	Pass	
		122	5610	15.49		15.56		15.68		15.54		21.59	22.80	Pass	
		155	5775	13.59		13.50		13.47		13.62		19.57	22.80	Pass	
Mode:		802.11ax(20MHz)	Data Rate:	HE36NSS4	Conducted power MIMO Mode(4TX+4RX)										
Test Conditions		Channel	Frequency	Ant1		Ant2		Ant3		Ant4		Total Power	Limit		
			Reading Level	Reading Level		Reading Level		Reading Level							
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail
Tnom (25 °C)	Vnom (120V)	36	5180	10.77		10.95		11.09		10.89		16.95	28.80	Pass	
		44	5220	10.97		10.78		10.82		10.75		16.85	28.80	Pass	
		48	5240	11.10		10.82		10.69		10.68		16.85	28.80	Pass	
		52	5260	15.97		16.19		15.61		16.07		21.99	22.80	Pass	
		60	5300	16.27		15.71		16.12		16.28		22.12	22.80	Pass	
		64	5320	13.81		13.71		13.59		13.91		19.78	22.80	Pass	
		100	5500	15.75		15.54		15.66		15.77		21.70	22.80	Pass	
		116	5580	16.02		15.84		15.97		15.64		21.89	22.80	Pass	
		140	5700	16.26		15.89		16.31		15.91		22.12	22.80	Pass	
		149	5745	17.19		16.69		16.80		16.64		22.85	22.80	Pass	
		157	5785	17.03		16.80		16.69		16.75		22.84	22.80	Pass	
		165	5825	16.96		16.98		16.73		16.69		22.86	22.80	Pass	
Mode:		802.11ax(40MHz)	Data Rate:	HE36NSS4	Conducted power MIMO Mode(4TX+4RX)										
Test Conditions		Channel	Frequency	Ant1		Ant2		Ant3		Ant4		Total Power	Limit		
			Reading Level	Reading Level		Reading Level		Reading Level							
			(MHz)	Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail
Tnom (25 °C)	Vnom (120V)	38	5190	11.34		11.04		11.13		11.21		17.20	28.80	Pass	
		46	5230	11.21		11.27		11.08		11.31		17.24	28.80	Pass	
		52	5270	15.87		15.80		16.01		15.75		21.88	22.80	Pass	
		60	5310	12.44		12.49		12.27		12.59		18.47	22.80	Pass	
		102	5510	13.37		13.27		13.71		13.45		19.48	22.80	Pass	
		110	5550	16.00		15.99		15.94		16.14		22.04	22.80	Pass	
		134	5670	16.04		16.01		15.67		15.86		21.92	22.80	Pass	
		151	5755	17.19		16.88		16.71		16.73		22.90	22.80	Pass	
		159	5795	17.16		16.73		16.78		17.01		22.94	22.80	Pass	
		Mode:		802.11ax(80MHz)	Data Rate:	HE36NSS4	Conducted power MIMO Mode(4TX+4RX)								
		Test Conditions		Channel	Frequency	Ant1		Ant2		Ant3		Ant4		Total Power	Limit
					Reading Level	Reading Level		Reading Level		Reading Level					
(MHz)	Avg. (dBm)				Avg. (dBm)		Avg. (dBm)		Avg. (dBm)		Avg. (dBm (Ant 1+2+3+4))		Avg. (dBm)	Pass/Fail	
		42	5210	10.47		10.52		10.28		10.48		16.46	28.80	Pass	

Tnom (25 °C)	Vnom (120V)	58	5290	11.67	11.58	11.73	11.93	17.75	22.80	Pass
		106	5530	12.43	12.68	12.72	12.58	18.62	22.80	Pass
		122	5610	15.40	15.49	15.56	15.50	21.51	22.80	Pass
		155	5775	13.56	13.47	13.47	13.57	19.54	28.80	Pass
Mode:	802.11ax(160MHz)	Data Rate:	HE36NSS4	Conducted power						
				MIMO Mode(4TX+4RX)						
				Ant 1+2+3+4				Total Power	Limit	
				Ant1	Ant2	Ant3	Ant4			
				Reading Level	Reading Level	Reading Level	Reading Level			
Test Conditions	Channel	Frequency (MHz)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm)	Avg. (dBm) (Ant 1+2+3+4)	Avg. (dBm)	Pass/Fail
Tnom (25 °C)	Vnom (120V)	50	5250	11.81	11.67	11.72	11.87	17.79	22.80	Pass
		114	5570	12.52	12.44	12.57	12.50	18.53	22.80	Pass