



11AC80MIMO-Ant1-5775-PASS



11AC80MIMO-Ant2-5775-PASS



11AC80MIMO-Ant3-5775-PASS



11AC80MIMO-Ant4-5775-PASS



11AX20MIMO-Ant1-5745-PASS



11AX20MIMO-Ant2-5745-PASS



11AX20MIMO-Ant3-5745-PASS



11AX20MIMO-Ant4-5745-PASS



11AX20MIMO-Ant1-5785-PASS



11AX20MIMO-Ant2-5785-PASS



11AX20MIMO-Ant3-5785-PASS



11AX20MIMO-Ant4-5785-PASS



11AX20MIMO-Ant1-5825-PASS



11AX20MIMO-Ant2-5825-PASS



11AX20MIMO-Ant3-5825-PASS



11AX20MIMO-Ant4-5825-PASS



11AX40MIMO-Ant1-5755-PASS



11AX40MIMO-Ant2-5755-PASS



11AX40MIMO-Ant3-5755-PASS



11AX40MIMO-Ant4-5755-PASS



11AX40MIMO-Ant1-5795-PASS



11AX40MIMO-Ant2-5795-PASS



11AX40MIMO-Ant3-5795-PASS



11AX40MIMO-Ant4-5795-PASS



11AX80MIMO-Ant1-5610-PASS



11AX80MIMO-Ant2-5610-PASS



11AX80MIMO-Ant3-5610-PASS



11AX80MIMO-Ant4-5610-PASS



11AX80MIMO-Ant1-5775-PASS



11AX80MIMO-Ant2-5775-PASS



11AX80MIMO-Ant3-5775-PASS



11AX80MIMO-Ant4-5775-PASS



11BE20MIMO-Ant1-5745-PASS



11BE20MIMO-Ant2-5745-PASS



11BE20MIMO-Ant3-5745-PASS



11BE20MIMO-Ant4-5745-PASS



11BE20MIMO-Ant1-5785-PASS



11BE20MIMO-Ant2-5785-PASS



11BE20MIMO-Ant3-5785-PASS



11BE20MIMO-Ant4-5785-PASS



11BE20MIMO-Ant1-5825-PASS



11BE20MIMO-Ant2-5825-PASS



11BE20MIMO-Ant3-5825-PASS



11BE20MIMO-Ant4-5825-PASS



11BE40MIMO-Ant1-5755-PASS



11BE40MIMO-Ant2-5755-PASS



11BE40MIMO-Ant3-5755-PASS



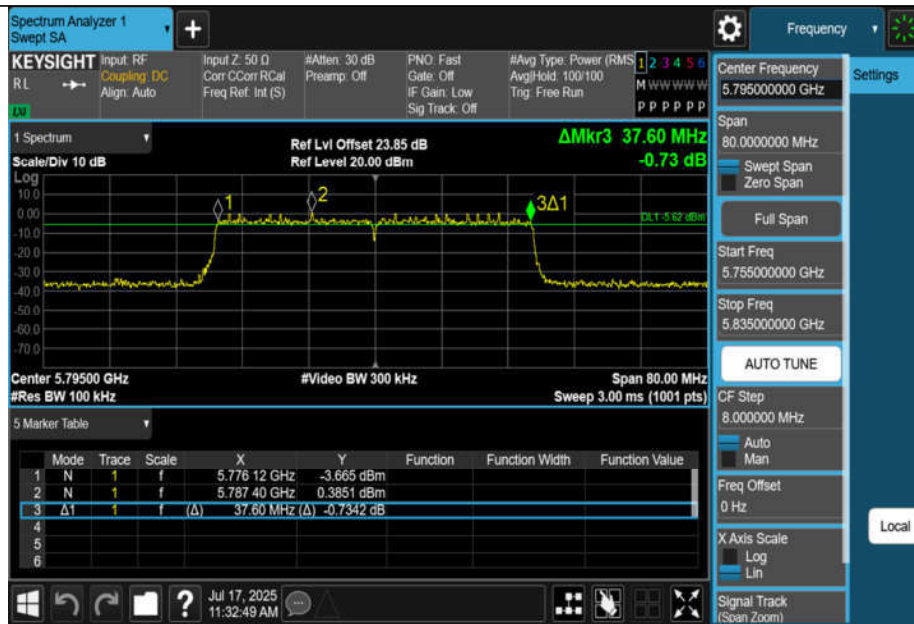
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11BE40MIMO-Ant1-5795-PASS



11BE40MIMO-Ant2-5795-PASS



11BE40MIMO-Ant3-5795-PASS



11BE40MIMO-Ant4-5795-PASS



11BE80MIMO-Ant1-5610-PASS



11BE80MIMO-Ant2-5610-PASS



11BE80MIMO-Ant3-5610-PASS



11BE80MIMO-Ant4-5610-PASS



11BE80MIMO-Ant1-5775-PASS



11BE80MIMO-Ant2-5775-PASS



11BE80MIMO-Ant3-5775-PASS



11BE80MIMO-Ant4-5775-PASS

3.4 Conducted Output Power

3.4.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Conducted Output Power	Master device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

- For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.
- Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

3.4.2 Test Procedure

Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- Test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

3.4.3 Test Setup



3.4.4 Table of Parameters of Text Software Setting

No Beamforming

UNII-1			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	74	93	93
IEEE 802.11n(HT20)	72	95	95
IEEE 802.11ac(VHT20)	70	92	92
IEEE 802.11ax(HE20)	70	92	95
IEEE 802.11be(HE20)	69	92	95
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	60	98	
IEEE 802.11ac(VHT40)	60	98	
IEEE 802.11ax(HE40)	60	98	
IEEE 802.11be(HE40)	60	98	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	60		
IEEE 802.11ax(HE80)	60		
IEEE 802.11be(HE80)	60		
Frequency (MHz)	5250		
IEEE 802.11ac(VHT160)	60		
IEEE 802.11ax(HE160)	60		
IEEE 802.11be(HE160)	60		

UNII-2A						
Test Software Version	accessMTool_REL_3_3_0_2					
Frequency (MHz)	5260		5280		5320	
Value(TPC)	L	H	L	H	L	H
IEEE 802.11a	44	68	47	71	47	71
IEEE 802.11n(HT20)	44	68	47	71	52	76
IEEE 802.11ac(VHT20)	44	68	44	68	44	68
IEEE 802.11ax(HE20)	44	68	44	68	50	74
IEEE 802.11be(HE20)	44	68	46	70	46	70
Frequency (MHz)	5270		5310			
IEEE 802.11n(HT40)	51	75	36	60		
IEEE 802.11ac(VHT40)	51	75	36	60		
IEEE 802.11ax(HE40)	51	75	36	60		
IEEE 802.11be(HE40)	51	75	36	60		
Frequency (MHz)	5290					
IEEE 802.11ac(VHT80)	36	60				
IEEE 802.11ax(HE80)	36	60				
IEEE 802.11be(HE80)	36	60				

Frequency (MHz)	5250			
IEEE 802.11ac(VHT160)	36	60		
IEEE 802.11ax(HE160)	36	60		
IEEE 802.11be(HE160)	36	60		

UNII-2C						
Test Software Version	accessMTool_REL_3_3_0_2					
Frequency (MHz)	5500		5580		5700	
Value(TPC)	L	H	L	H	L	H
IEEE 802.11a	45	69	45	69	45	69
IEEE 802.11n(HT20)	47	71	45	69	45	69
IEEE 802.11ac(VHT20)	46	70	44	68	44	68
IEEE 802.11ax(HE20)	46	70	46	70	46	70
IEEE 802.11be(HE20)	48	72	46	70	46	70
Frequency (MHz)	5510		5550		5670	
IEEE 802.11n(HT40)	42	66	52	76	50	74
IEEE 802.11ac(VHT40)	39	63	50	74	50	74
IEEE 802.11ax(HE40)	36	60	50	74	50	74
IEEE 802.11be(HE40)	37	61	48	72	48	72
Frequency (MHz)	5530		5610			
IEEE 802.11ac(VHT80)	36	60	47	71		
IEEE 802.11ax(HE80)	36	60	47	71		
IEEE 802.11be(HE80)	36	60	48	72		
Frequency (MHz)	5570					
IEEE 802.11ac(VHT160)	36	60				
IEEE 802.11ax(HE160)	36	60				
IEEE 802.11be(HE160)	36	60				

UNII-3			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	88	98	88
IEEE 802.11n(HT20)	88	98	88
IEEE 802.11ac(VHT20)	88	98	88
IEEE 802.11ax(HE20)	87	98	87
IEEE 802.11be(HE20)	88	98	88
Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	83	83	
IEEE 802.11ac(VHT40)	83	83	
IEEE 802.11ax(HE40)	83	83	
IEEE 802.11be(HE40)	83	83	

Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	75		
IEEE 802.11ax(HE80)	75		
IEEE 802.11be(HE80)	75		

Beamforming

UNII-1			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	52	71	71
IEEE 802.11n(HT20)	50	73	73
IEEE 802.11ac(VHT20)	48	70	70
IEEE 802.11ax(HE20)	48	70	73
IEEE 802.11be(HE20)	47	70	73
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	38	76	
IEEE 802.11ac(VHT40)	38	76	
IEEE 802.11ax(HE40)	38	76	
IEEE 802.11be(HE40)	38	76	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	38		
IEEE 802.11ax(HE80)	38		
IEEE 802.11be(HE80)	38		
Frequency (MHz)	5250		
IEEE 802.11ac(VHT160)	38		
IEEE 802.11ax(HE160)	38		
IEEE 802.11be(HE160)	38		

UNII-2A						
Test Software Version	accessMTool_REL_3_3_0_2					
Frequency (MHz)	5260		5300		5320	
Value(TPC)	L	H	L	H	L	H
IEEE 802.11a	22	46	25	49	25	49
IEEE 802.11n(HT20)	22	46	25	49	30	54
IEEE 802.11ac(VHT20)	22	46	22	46	22	46
IEEE 802.11ax(HE20)	22	46	22	46	28	52
IEEE 802.11be(HE20)	22	46	24	48	24	48
Frequency (MHz)	5270		5310			
IEEE 802.11n(HT40)	29	53	14	38		
IEEE 802.11ac(VHT40)	29	53	14	38		
IEEE 802.11ax(HE40)	29	53	14	38		