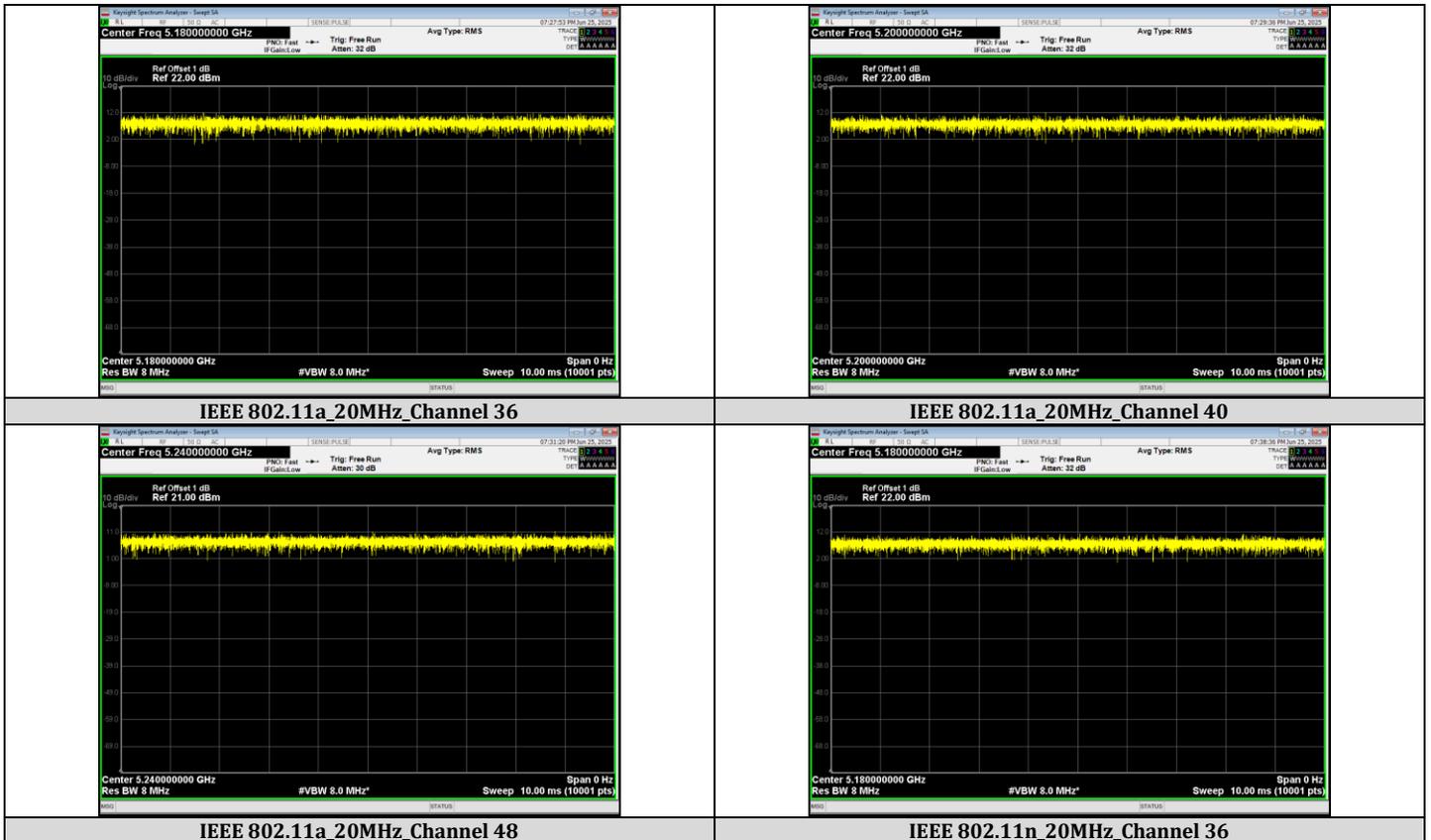


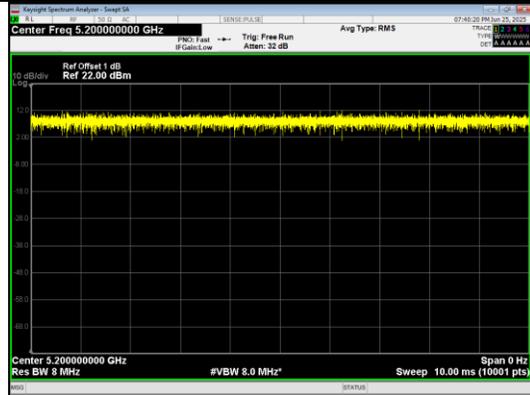


Duty Cycle Test Result

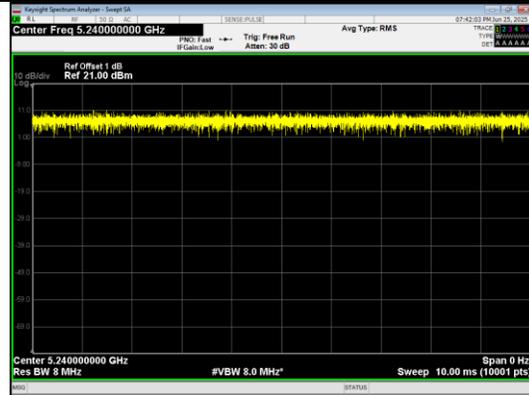
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	0	10.000	10.000	100	1	0.0	0.1000
		40		10.000	10.000	100	1	0.0	0.1000
		48		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_20	MCS 0	36		10.000	10.000	100	1	0.0	0.1000
		40		10.000	10.000	100	1	0.0	0.1000
		48		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_40	MCS 0	38		10.000	10.000	100	1	0.0	0.1000
		46		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11ac_20	MCS 0	36		10.000	10.000	100	1	0.0	0.1000
		40		10.000	10.000	100	1	0.0	0.1000
		48		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11ac_40	MCS 0	38		10.000	10.000	100	1	0.0	0.1000
		46	10.000	10.000	100	1	0.0	0.1000	
IEEE 802.11ac_80	MCS 0	42	10.000	10.000	100	1	0.0	0.1000	

Test Graphs

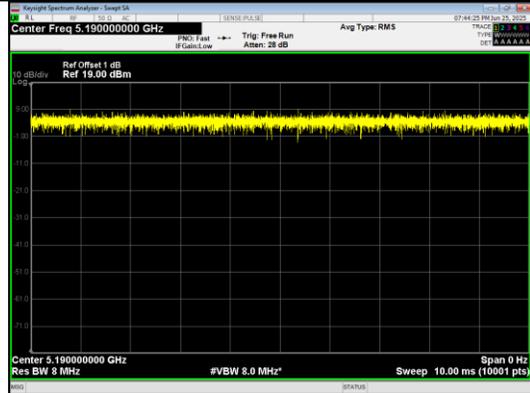




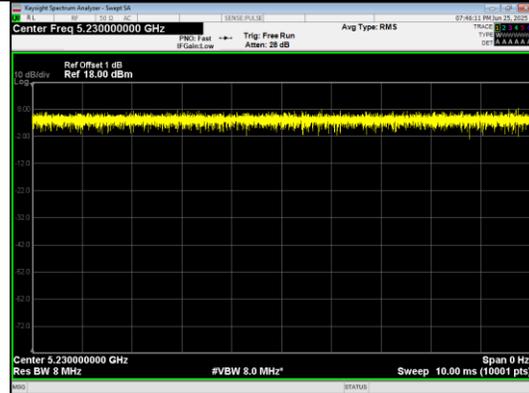
IEEE 802.11n_20MHz_Channel 40



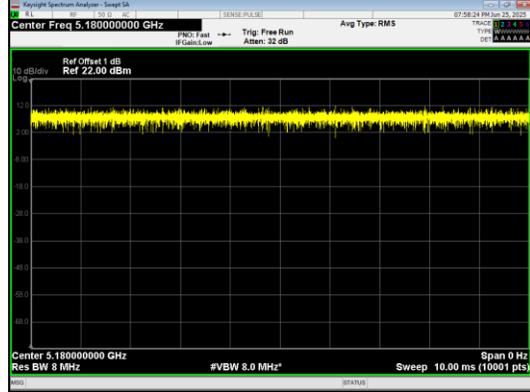
IEEE 802.11n_20MHz_Channel 48



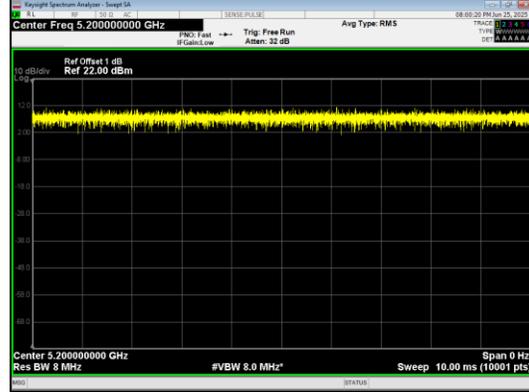
IEEE 802.11n_40MHz_Channel 38



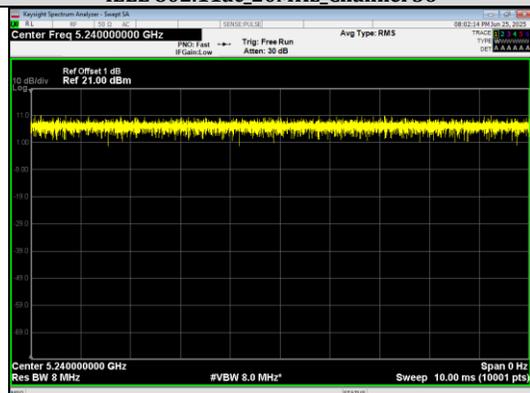
IEEE 802.11n_40MHz_Channel 46



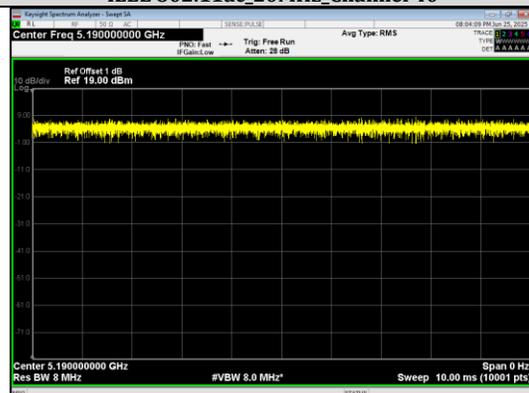
IEEE 802.11ac_20MHz_Channel 36



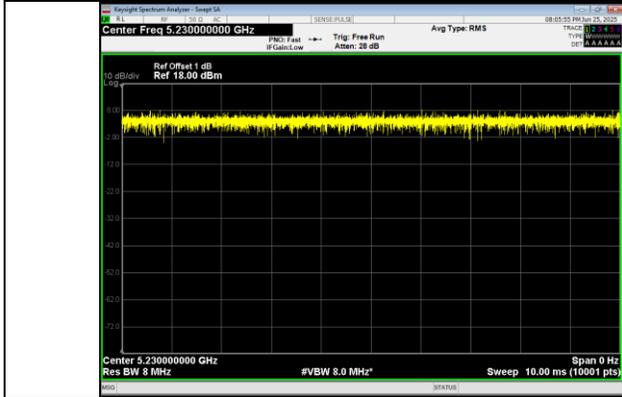
IEEE 802.11ac_20MHz_Channel 40



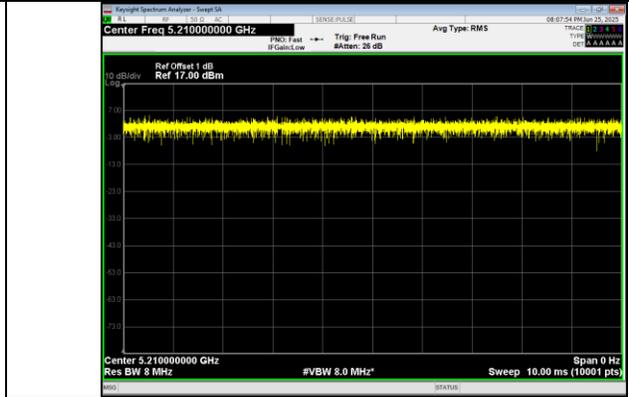
IEEE 802.11ac_20MHz_Channel 48



IEEE 802.11ac_40MHz_Channel 38



IEEE 802.11ac_40MHz_Channel 46



IEEE 802.11ac_80MHz_Channel 42



Conducted Output Power

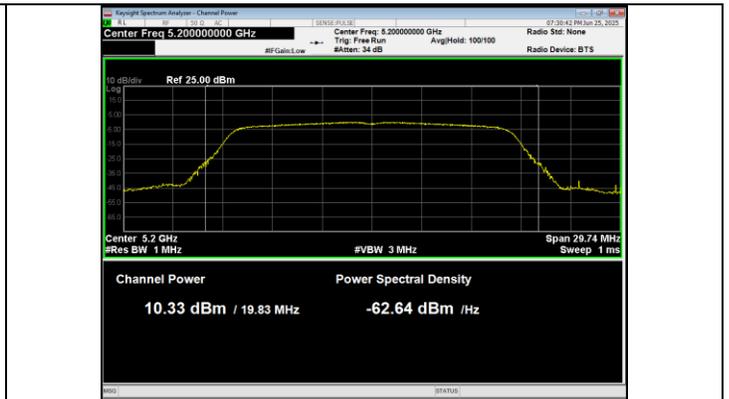
Conducted output power

Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	10.64	10.64	≤24	PASS
	40	10.33	10.33	≤24	PASS
	48	9.59	9.59	≤24	PASS
IEEE 802.11n_20	36	10.44	10.44	≤24	PASS
	40	10.80	10.80	≤24	PASS
	48	9.56	9.56	≤24	PASS
IEEE 802.11n_40	38	10.25	10.25	≤24	PASS
	46	9.70	9.70	≤24	PASS
IEEE 802.11ac_20	36	10.52	10.52	≤24	PASS
	40	10.23	10.23	≤24	PASS
	48	9.53	9.53	≤24	PASS
IEEE 802.11ac_40	38	10.23	10.23	≤24	PASS
	46	9.53	9.53	≤24	PASS
IEEE 802.11ac_80	42	9.64	9.64	≤24	PASS

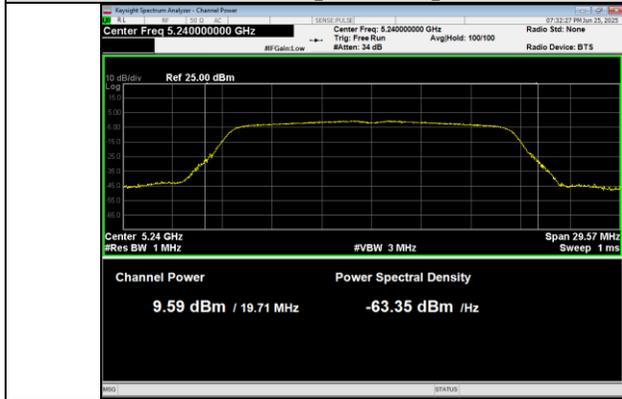
Note: Corr'd Value= Ant. 0 (dBm)+Duty cycle Factor.



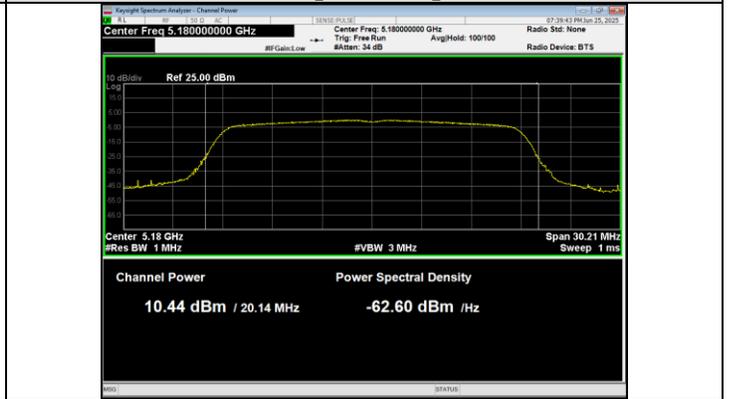
**Conducted AVG output power
IEEE 802.11a_Channel 36_Antenna 0**



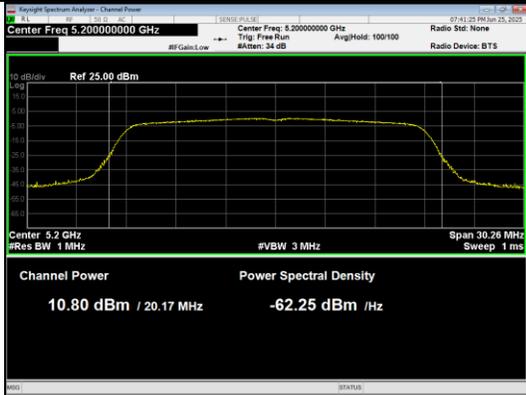
**Conducted AVG output power
IEEE 802.11a_Channel 40_Antenna 0**



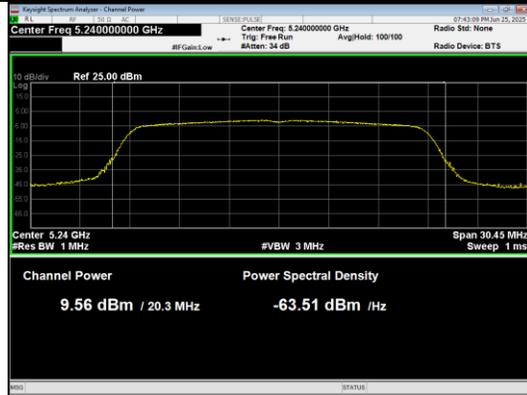
**Conducted AVG output power
IEEE 802.11a_Channel 48_Antenna 0**



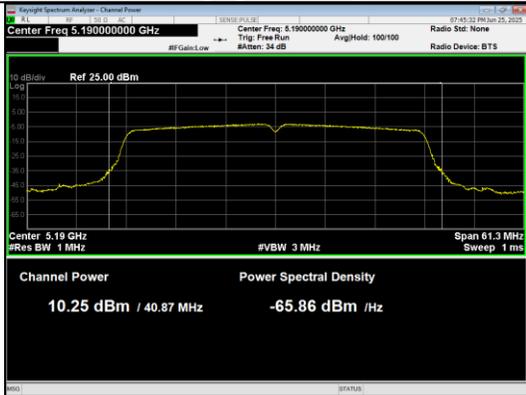
**Conducted AVG output power
IEEE 802.11n_20_Channel 36_Antenna 0**



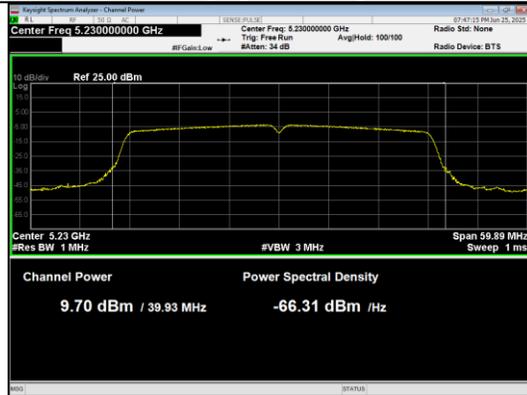
**Conducted AVG output power
IEEE 802.11n_20_Channel 40_Antenna 0**



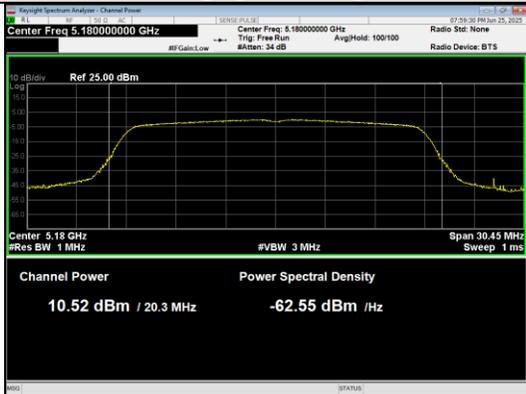
**Conducted AVG output power
IEEE 802.11n_20_Channel 48_Antenna 0**



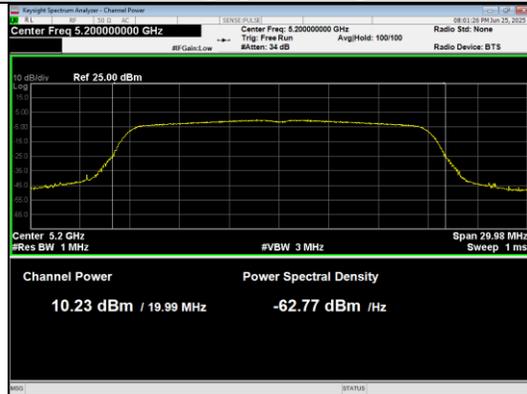
**Conducted AVG output power
IEEE 802.11n_40_Channel 38_Antenna 0**



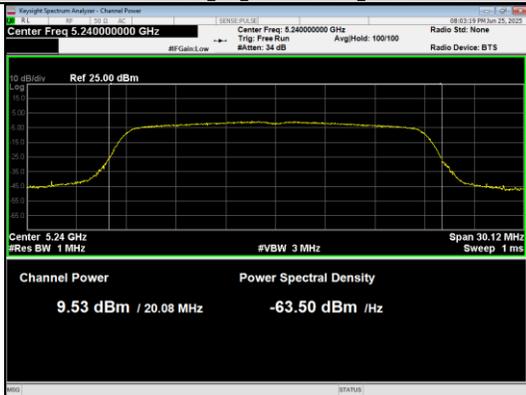
**Conducted AVG output power
IEEE 802.11n_40_Channel 46_Antenna 0**



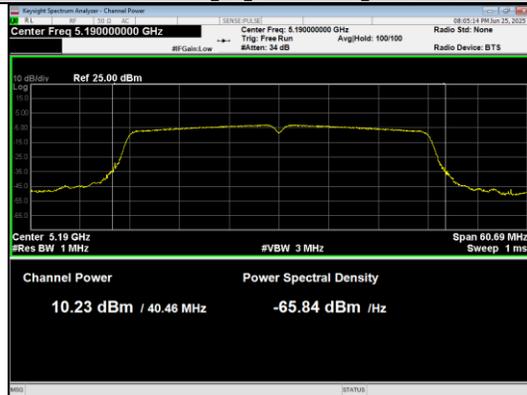
**Conducted AVG output power
IEEE 802.11ac_20_Channel 36_Antenna 0**



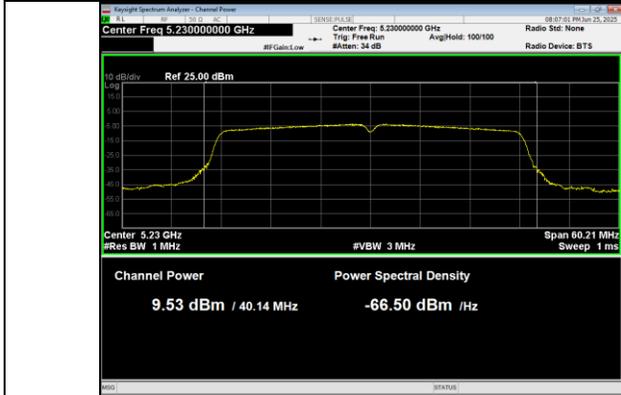
**Conducted AVG output power
IEEE 802.11ac_20_Channel 40_Antenna 0**



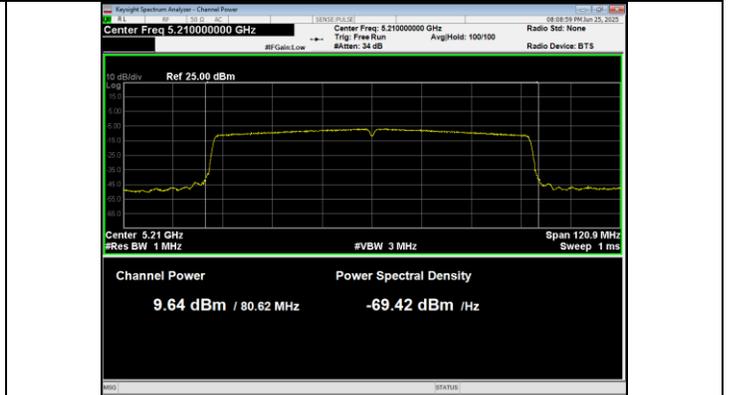
**Conducted AVG output power
IEEE 802.11ac_20_Channel 48_Antenna 0**



**Conducted AVG output power
IEEE 802.11ac_40_Channel 38_Antenna 0**



**Conducted AVG output power
 IEEE 802.11ac_40_Channel 46_Antenna 0**



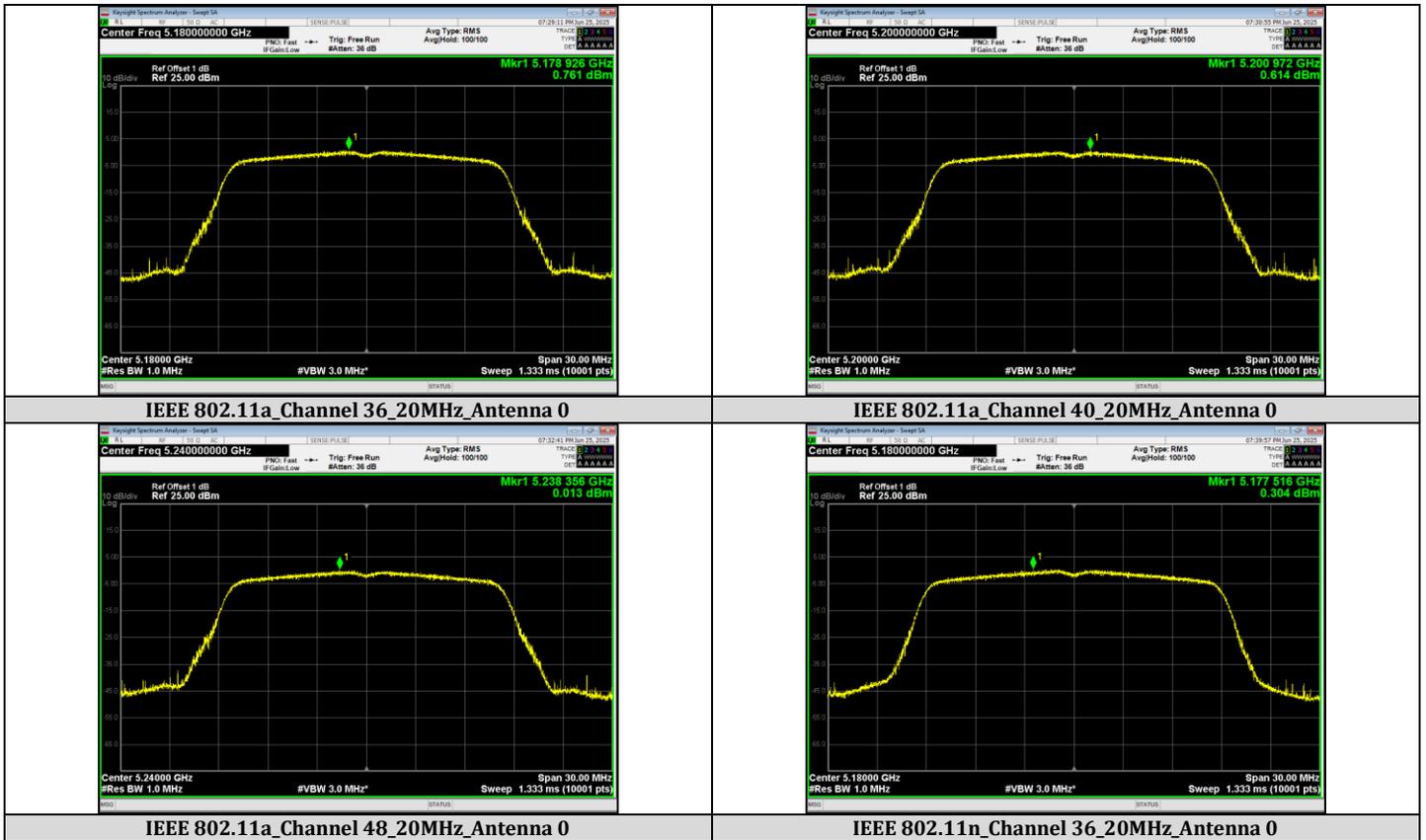
**Conducted AVG output power
 IEEE 802.11ac_80_Channel 42_Antenna 0**

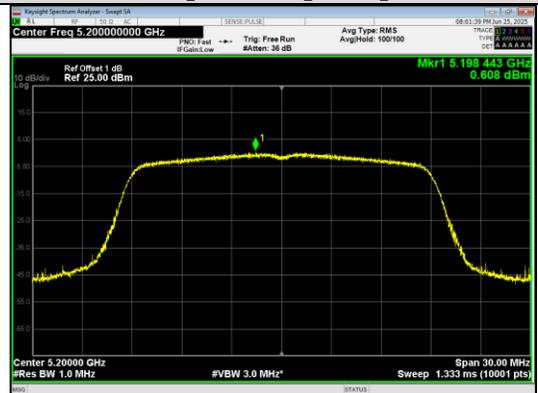
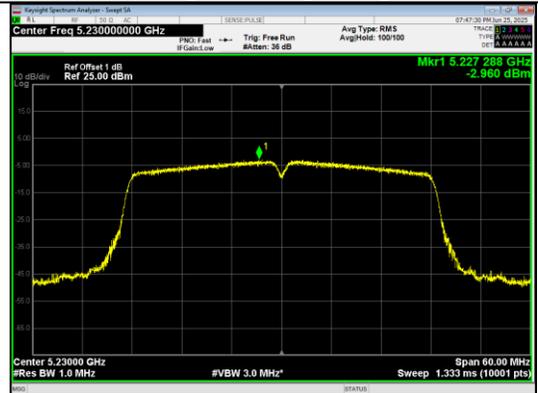
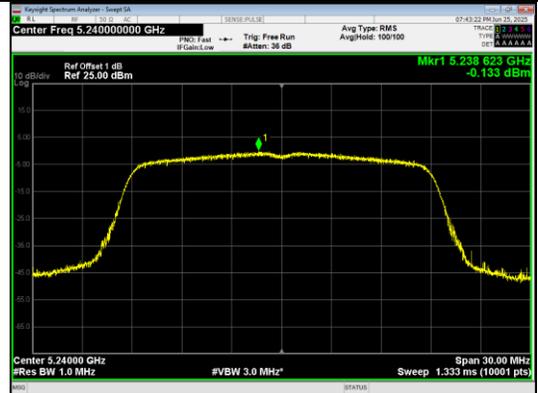
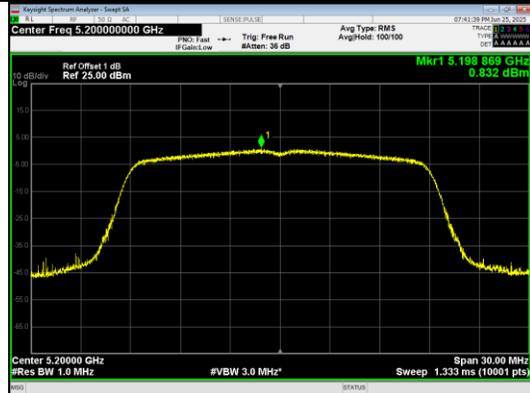
Peak Power Spectral Density
Test Result

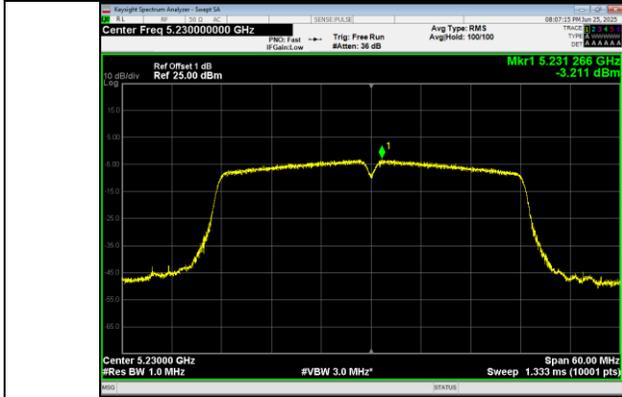
Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	0.761	0.761	11	PASS
	40	0.614	0.614		PASS
	48	0.013	0.013		PASS
IEEE 802.11n_20	36	0.304	0.304		PASS
	40	0.832	0.832		PASS
	48	-0.133	-0.133		PASS
IEEE 802.11n_40	38	-2.642	-2.642		PASS
	46	-2.960	-2.96		PASS
IEEE 802.11ac_20	36	0.846	0.846		PASS
	40	0.608	0.608		PASS
	48	-0.009	-0.009		PASS
IEEE 802.11ac_40	38	-2.561	-2.561		PASS
	46	-3.211	-3.211	PASS	
IEEE 802.11ac_80	42	-6.291	-6.291	PASS	

Note: Corr'd PSD = Meas PSD +Duty cycle Factor

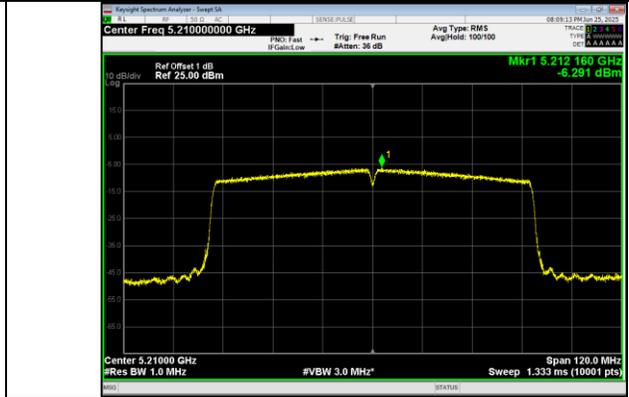
Test Graphs







IEEE 802.11ac_Channel 46_40MHz_Antenna 0

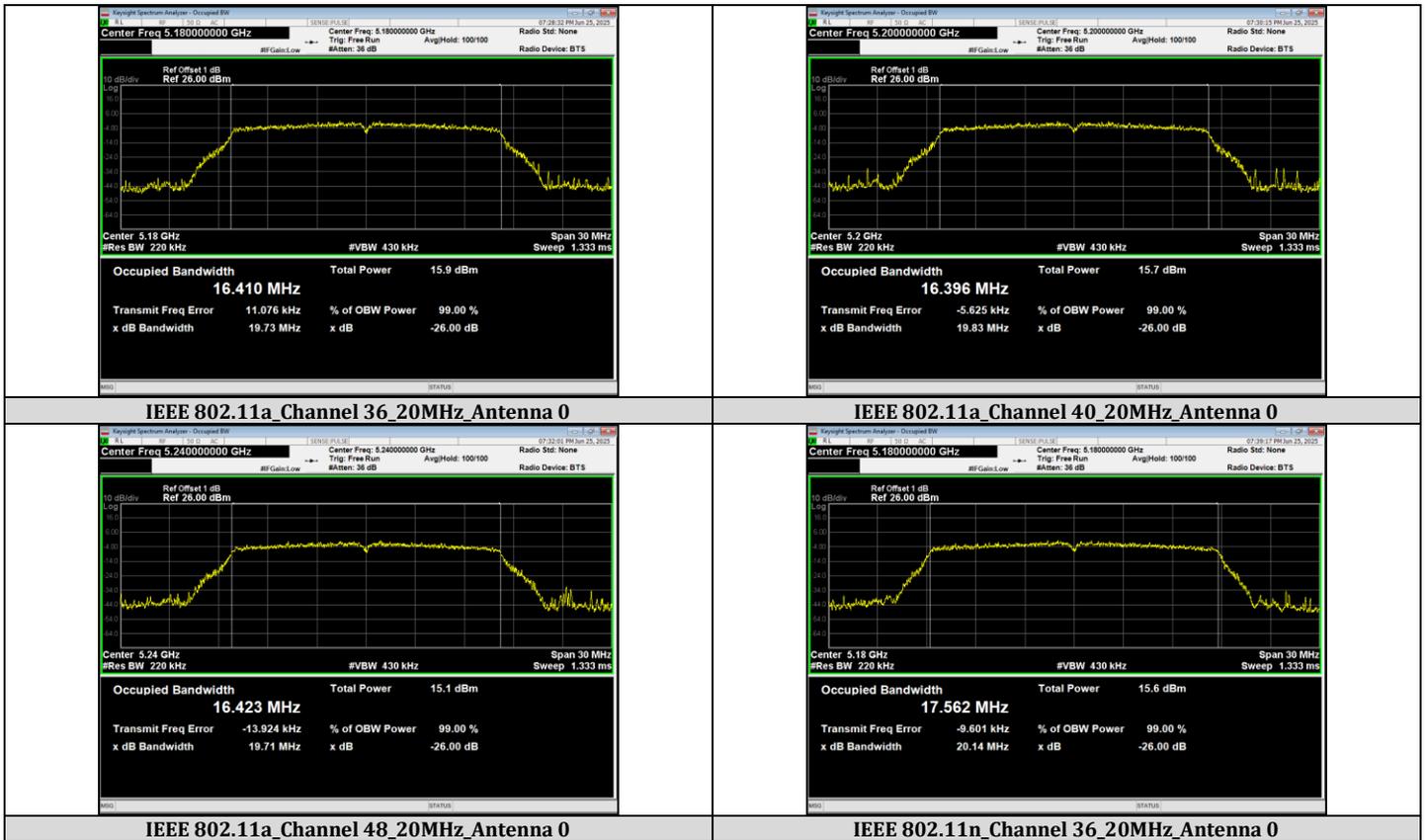


IEEE 802.11ac_Channel 42_80MHz_Antenna 0

**26dB Bandwidth
Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	0	5180	19.73	1.11
	40		5200	19.83	1.11
	48		5240	19.71	1.11
IEEE 802.11n_20	36		5180	20.14	1.11
	40		5200	20.17	1.11
	48		5240	20.30	1.09
IEEE 802.11n_40	38		5190	40.87	1.03
	46		5230	39.93	1.07
IEEE 802.11ac_20	36		5180	20.30	1.11
	40		5200	19.99	1.11
	48		5240	20.08	1.12
IEEE 802.11ac_40	38		5190	40.46	1.04
	46	5230	40.14	1.05	
IEEE 802.11ac_80	42	5210	80.62	1.03	

Test Graphs





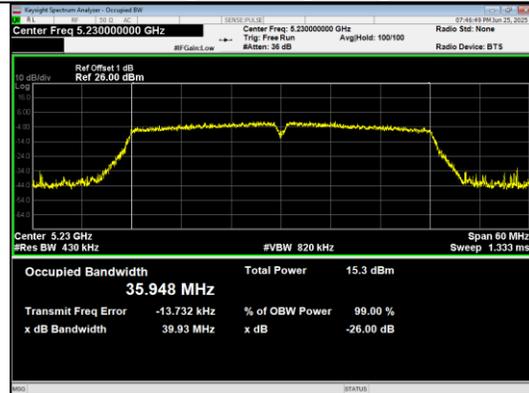
IEEE 802.11n_Channel 40_20MHz_Antenna 0



IEEE 802.11n_Channel 48_20MHz_Antenna 0



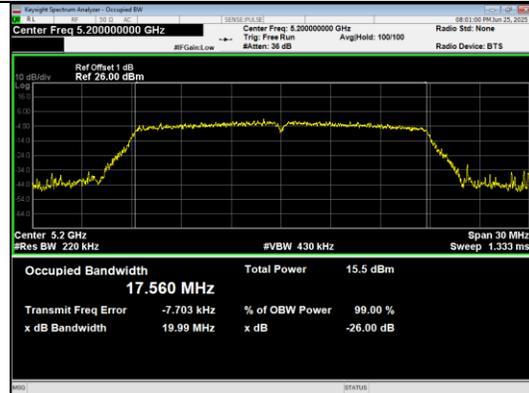
IEEE 802.11n_Channel 38_40MHz_Antenna 0



IEEE 802.11n_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 0



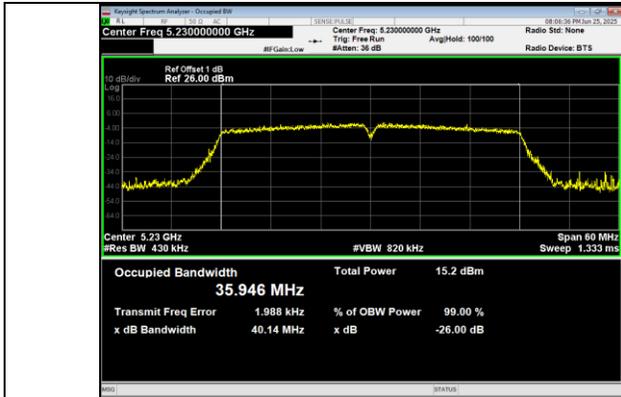
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0

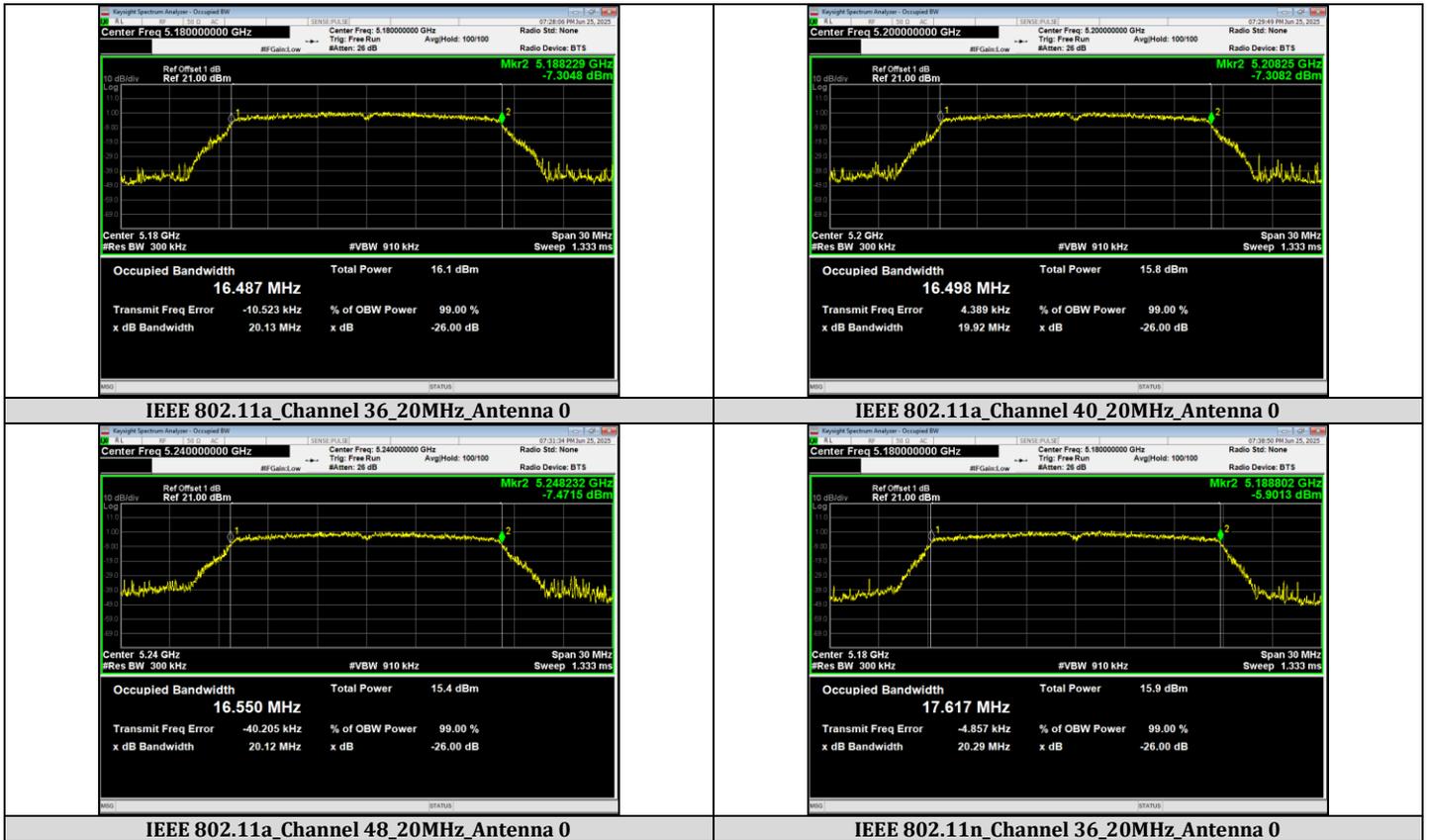


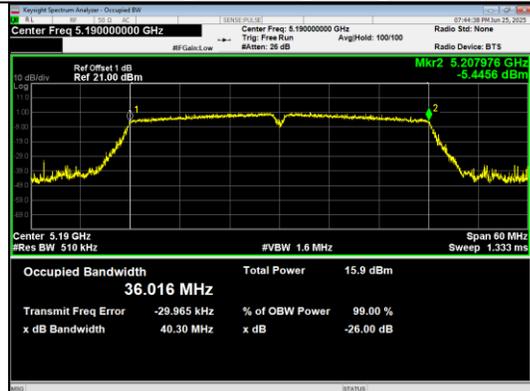
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

**99% Bandwidth
Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	0	5180	16.487
	40		5200	16.498
	48		5240	16.550
IEEE 802.11n_20	36		5180	17.617
	40		5200	17.604
	48		5240	17.619
IEEE 802.11n_40	38		5190	36.016
	46		5230	35.964
IEEE 802.11ac_20	36		5180	17.623
	40		5200	17.633
	48		5240	17.631
IEEE 802.11ac_40	38		5190	35.975
	46	5230	35.961	
IEEE 802.11ac_80	42	5210	75.125	

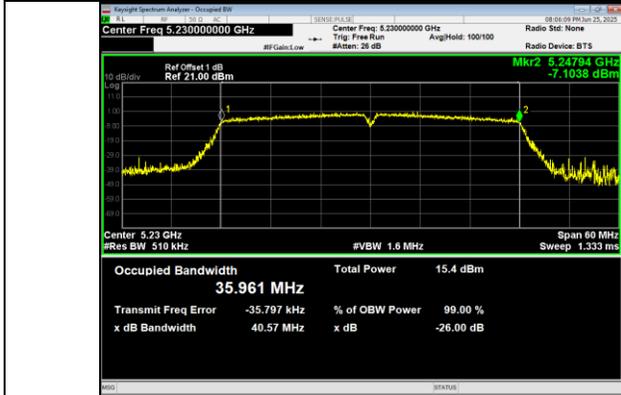
Test Graphs



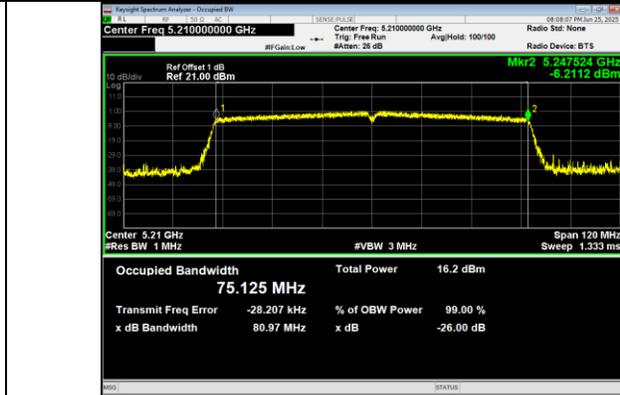


IEEE 802.11ac_Channel 48_20MHz_Antenna 0

IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



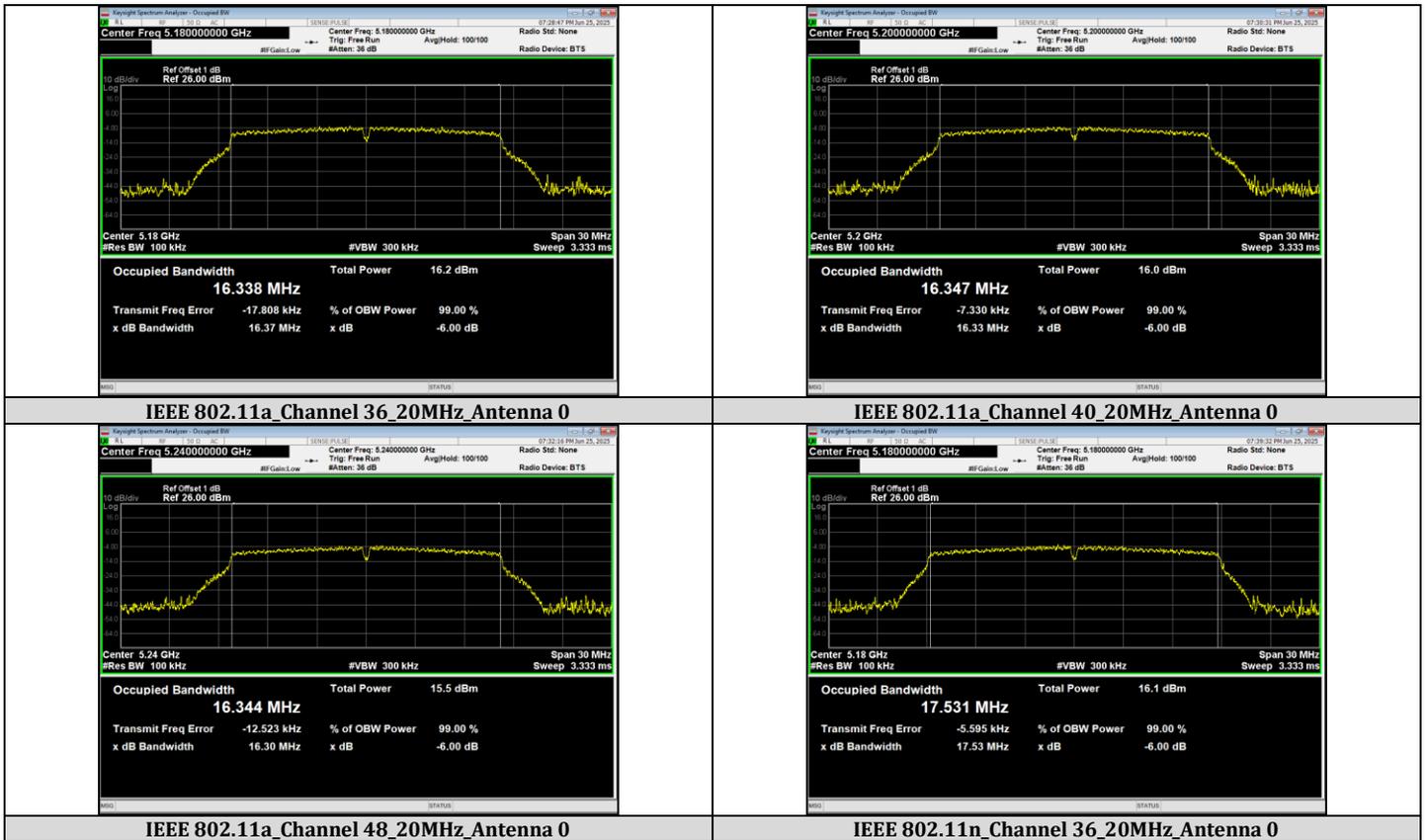
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

6dB Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	0	5180	16.37	≥0.5	PASS
	40		5200	16.33		PASS
	48		5240	16.30		PASS
IEEE 802.11n_20	36		5180	17.53		PASS
	40		5200	17.59		PASS
	48		5240	17.58		PASS
IEEE 802.11n_40	38		5190	35.82		PASS
	46		5230	36.29		PASS
IEEE 802.11ac_20	36		5180	17.57		PASS
	40		5200	17.58		PASS
	48		5240	17.60		PASS
IEEE 802.11ac_40	38		5190	36.27		PASS
	46	5230	35.71	PASS		
IEEE 802.11ac_80	42	5210	76.29	PASS		

Test Graphs

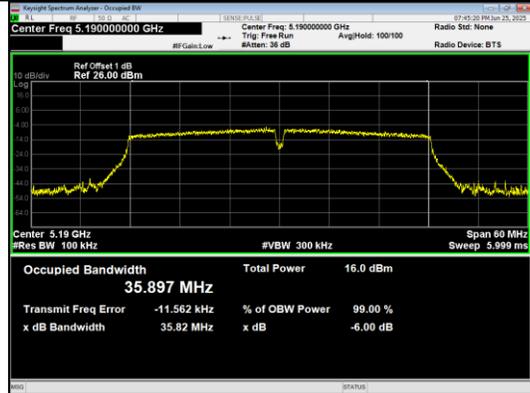




IEEE 802.11n_Channel 40_20MHz_Antenna 0



IEEE 802.11n_Channel 48_20MHz_Antenna 0



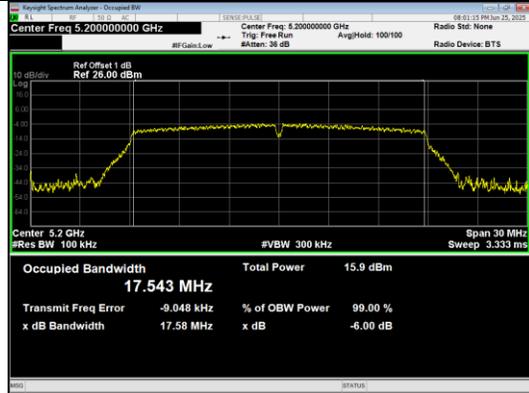
IEEE 802.11n_Channel 38_40MHz_Antenna 0



IEEE 802.11n_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 0



IEEE 802.11ac_Channel 40_20MHz_Antenna 0



IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 42_80MHz_Antenna 0



Frequency Stability

Test Result

Condition	Mode	Ch.	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	36	0	5180.0	5179.973768	-5.06	Within authorized band	PASS
		40		5200.0	5199.972718	-5.25		PASS
		48		5240.0	5239.971756	-5.39		PASS
	IEEE 802.11n_20	36		5180.0	5179.976181	-4.6		PASS
		40		5200.0	5199.974568	-4.89		PASS
		48		5240.0	5239.973681	-5.02		PASS
	IEEE 802.11n_40	38		5190.0	5189.973281	-5.15		PASS
		46		5230.0	5229.972418	-5.27		PASS
	IEEE 802.11ac_20	36		5180.0	5179.971893	-5.43		PASS
		40		5200.0	5199.971268	-5.53		PASS
		48		5240.0	5239.971356	-5.47		PASS
	IEEE 802.11ac_40	38		5190.0	5189.971656	-5.46		PASS
		46		5230.0	5229.971006	-5.54		PASS
	IEEE 802.11ac_80	42		5210.0	5209.971506	-5.47		PASS

***** End of Report *****