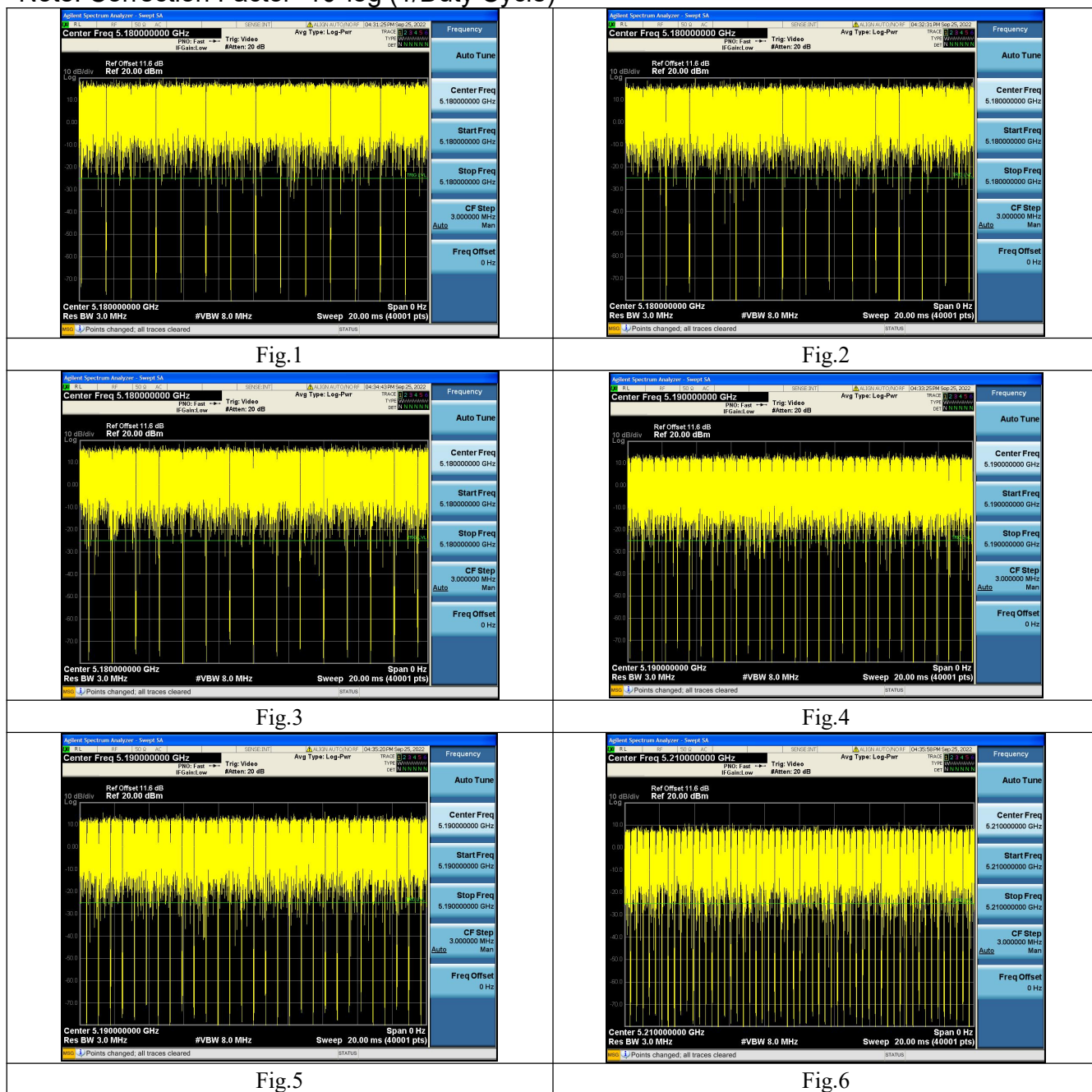


APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5180	98.93%	0	Fig.1
802.11n HT20	5180	98.86%	0	Fig.2
802.11ac VHT20	5180	98.88%	0	Fig.3
802.11n HT40	5190	97.74%	0.10	Fig.4
802.11ac VHT40	5190	97.85%	0.09	Fig.5
802.11ac VHT80	5210	96.03%	0.18	Fig.6

Note: Correction Factor=10*log (1/Duty Cycle)



Output Power

Mode	Tones/ RUIndex	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5180	Chain0	10.59	9.39
802.11a	NA	5220	Chain0	10.26	9.06
802.11a	NA	5240	Chain0	10.23	9.03
802.11n HT20	NA	5180	Chain0	10.40	9.20
802.11n HT20	NA	5220	Chain0	9.60	8.40
802.11n HT20	NA	5240	Chain0	9.68	8.48
802.11ac VHT20	NA	5180	Chain0	10.18	8.98
802.11ac VHT20	NA	5220	Chain0	9.77	8.57
802.11ac VHT20	NA	5240	Chain0	10.15	8.95
802.11n HT40	NA	5190	Chain0	10.58	9.38
802.11n HT40	NA	5230	Chain0	9.61	8.41
802.11ac VHT40	NA	5190	Chain0	10.10	8.90
802.11ac VHT40	NA	5230	Chain0	9.53	8.33
802.11ac VHT80	NA	5210	Chain0	9.71	8.51

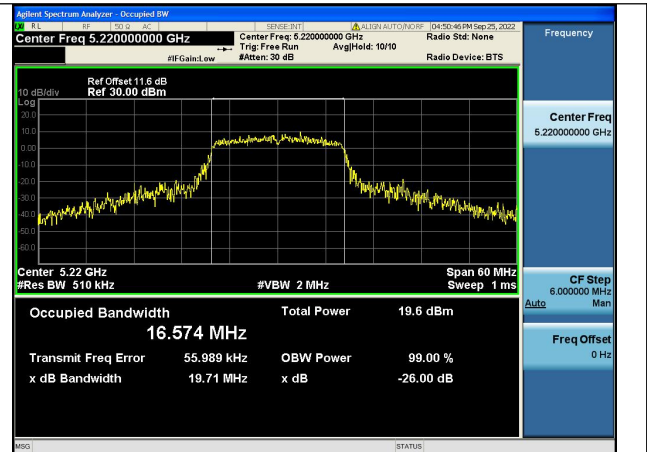
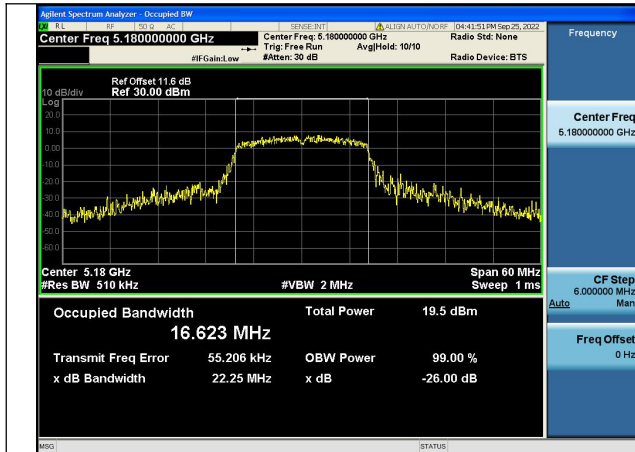
Emission Bandwidth

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.554	Channel No.562	Channel No.566
		5180MHz	5220MHz	5240MHz
802.11a	Chain0	22.25	19.71	28.05
802.11n HT20	Chain0	19.99	23.30	25.28
802.11ac VHT20	Chain0	23.23	20.23	20.35

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.556	---	Channel No.564
		5190MHz	---	5230MHz
802.11n HT40	Chain0	40.33	---	41.22
802.11ac VHT40	Chain0	40.96	---	40.61

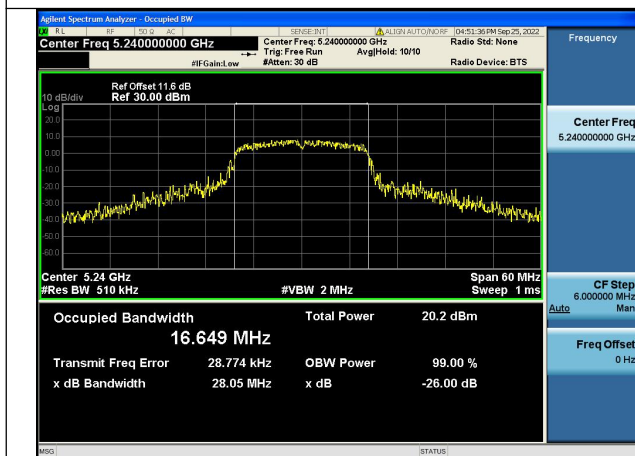
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.560	---	---
		5210MHz	---	---
802.11ac VHT80	Chain0	84.25	---	---

Test Mode: 802.11a



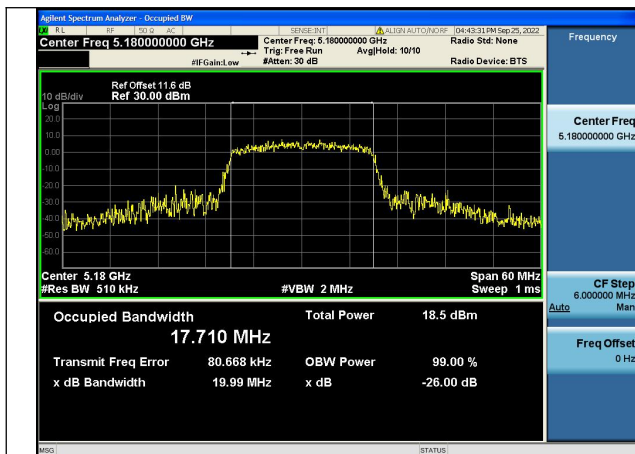
Test Mode:802.11a 5180MHz Chain0

Test Mode:802.11a 5220MHz Chain0



Test Mode:802.11a 5240MHz Chain0

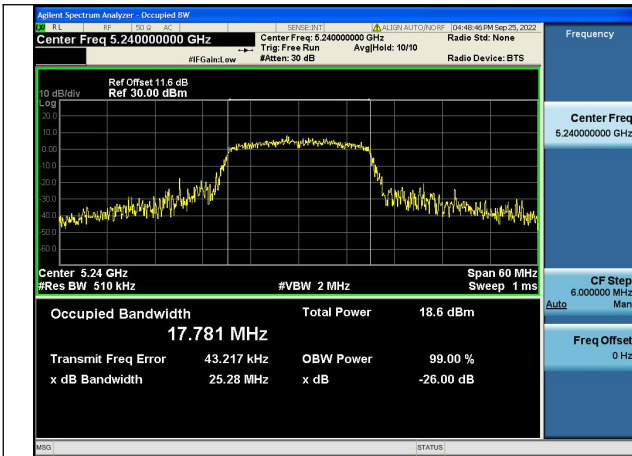
Test Mode: 802.11n HT20



Test Mode:802.11n HT20 5180MHz Chain0

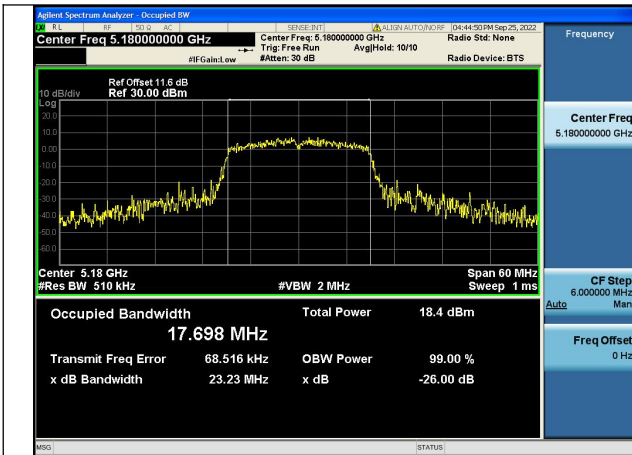


Test Mode:802.11n HT20 5220MHz Chain0

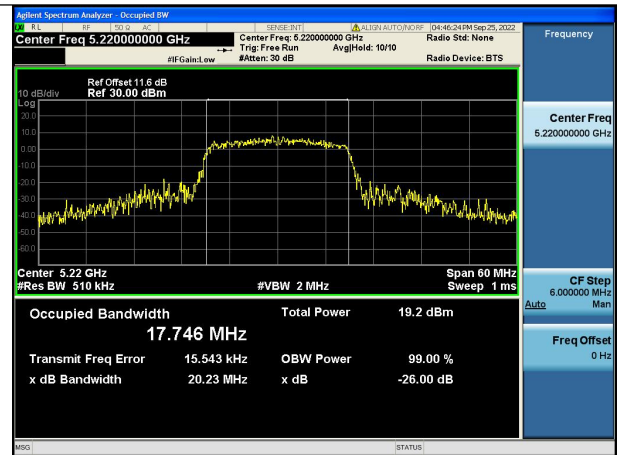


Test Mode:802.11n HT20 5240MHz Chain0

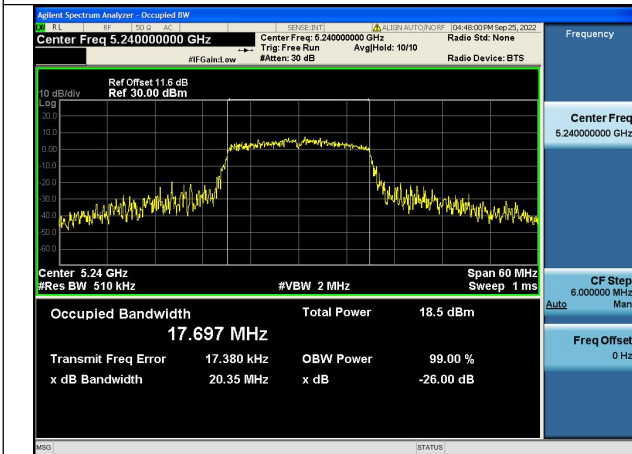
Test Mode: 802.11ac VHT20



Test Mode:802.11ac VHT20 5180MHz Chain0

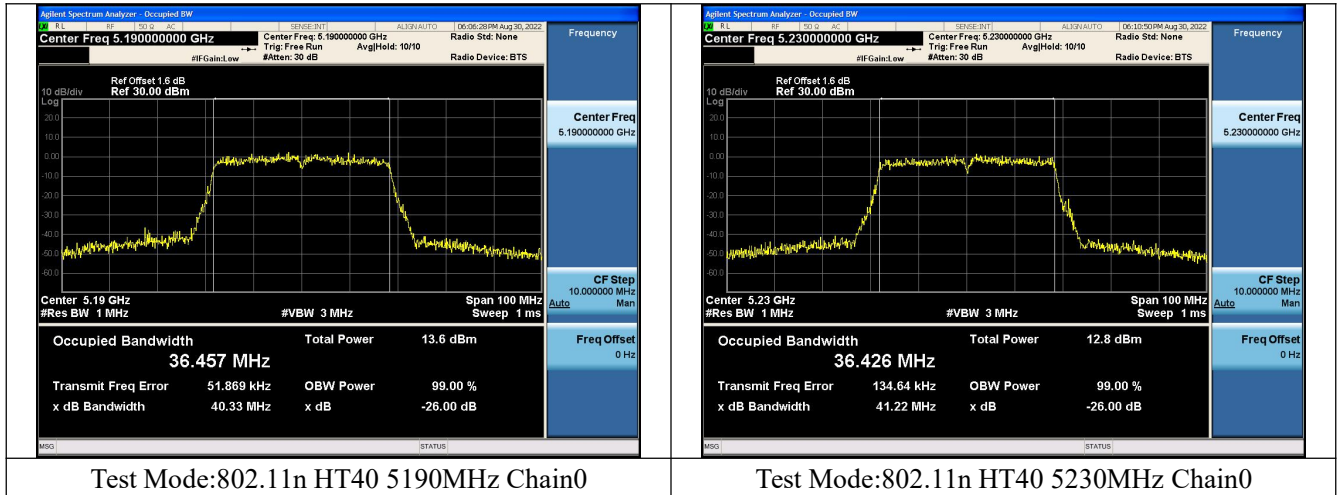


Test Mode:802.11ac VHT20 5220MHz Chain0

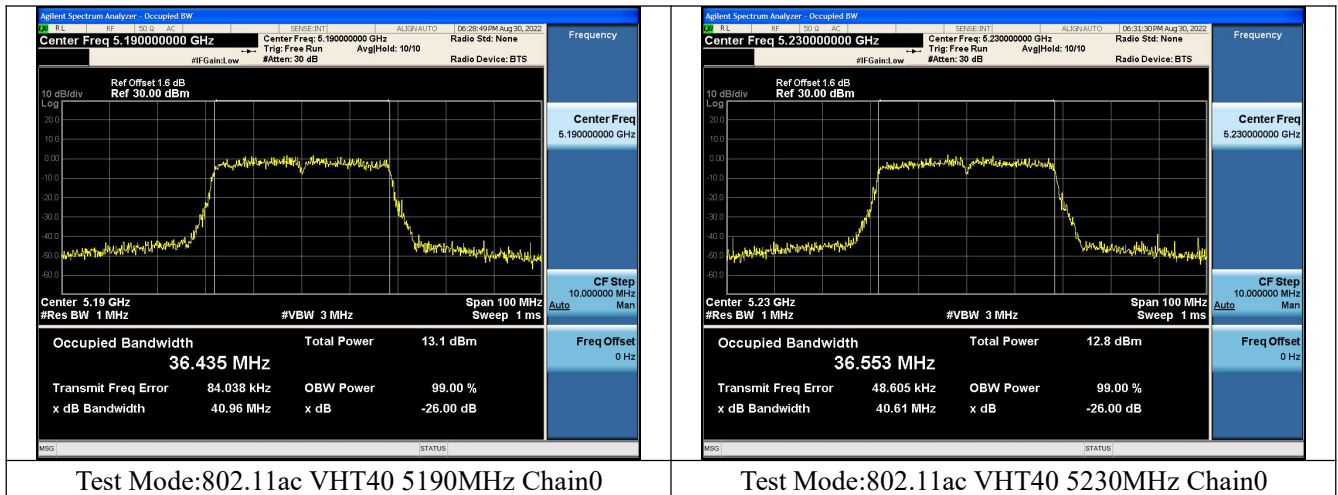


Test Mode:802.11ac VHT20 5240MHz Chain0

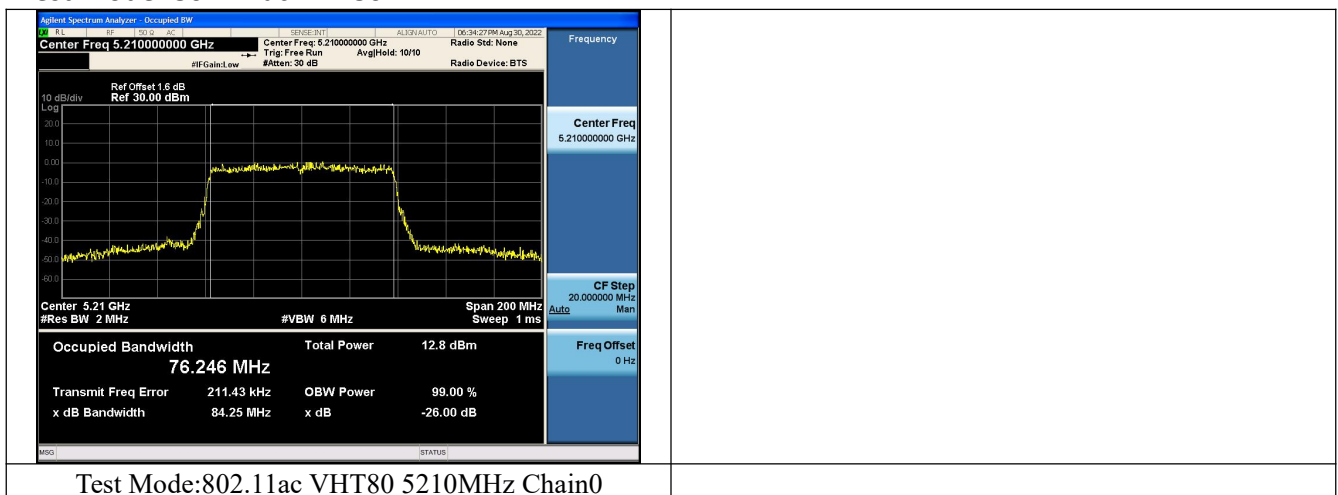
Test Mode: 802.11n HT40



Test Mode: 802.11ac VHT40



Test Mode: 802.11ac VHT80



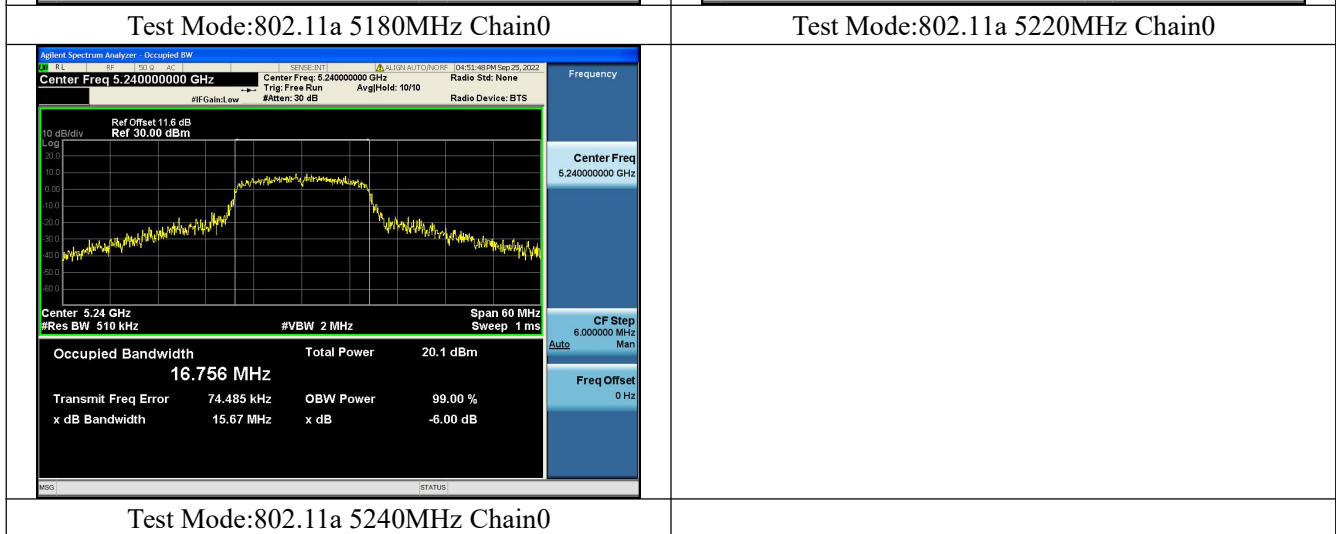
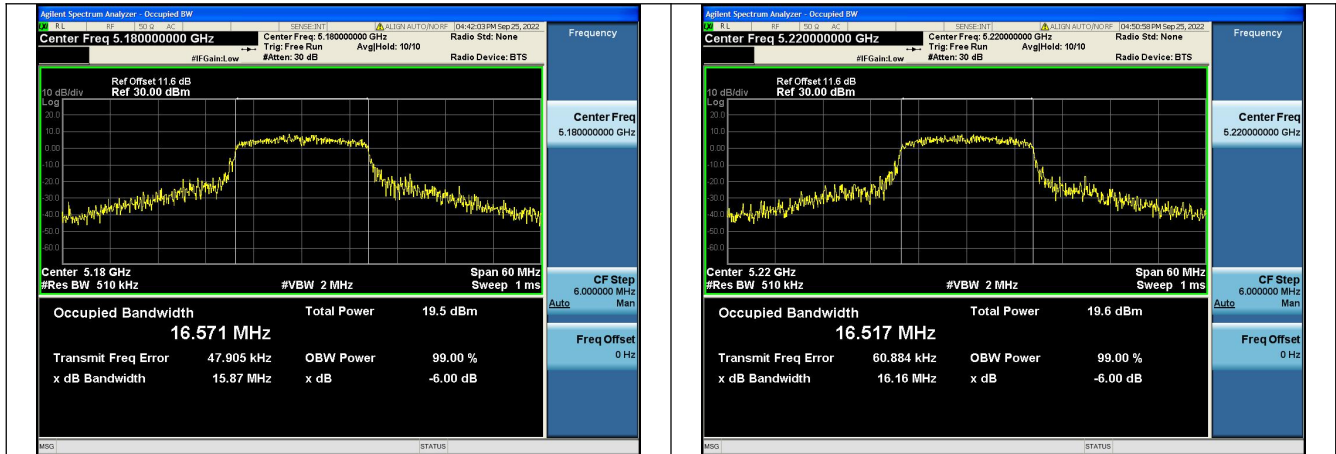
Occupied Bandwidth

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.554	Channel No.562	Channel No.566
		5180MHz	5220MHz	5240MHz
802.11a	Chain0	16.571	16.517	16.756
802.11n HT20	Chain0	17.759	17.840	17.678
802.11ac VHT20	Chain0	17.706	17.711	17.693

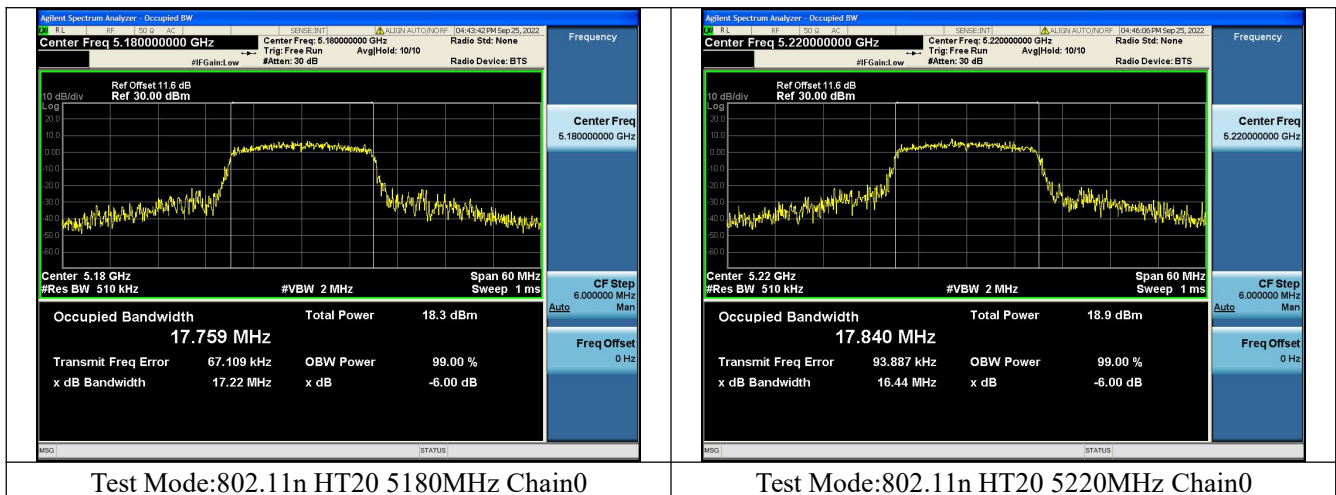
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.556	---	Channel No.564
		5190MHz	---	5230MHz
802.11n HT40	Chain0	36.646	---	36.579
802.11ac VHT40	Chain0	36.541	---	36.569

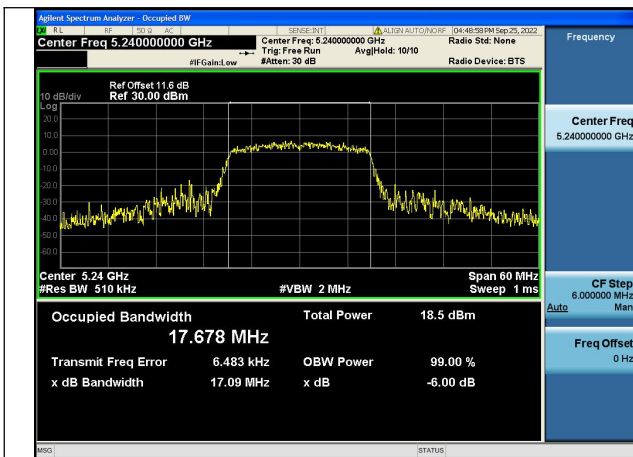
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.560	---	---
		5210MHz	---	---
802.11ac VHT80	Chain0	76.414	---	---

Test Mode: 802.11a



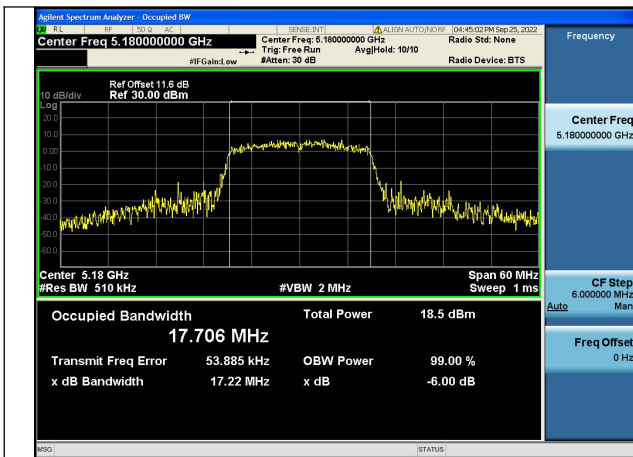
Test Mode: 802.11n HT20



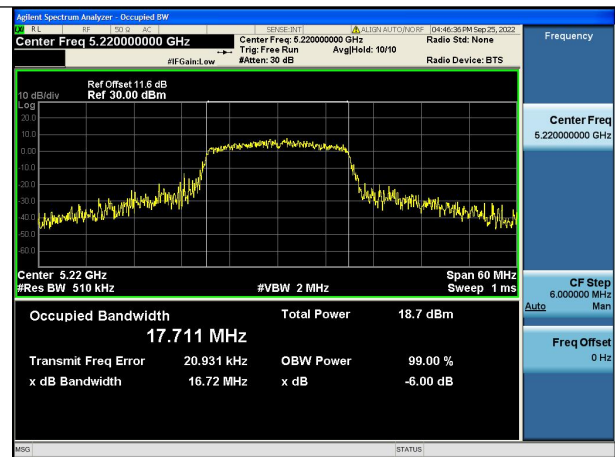


Test Mode:802.11n HT20 5240MHz Chain0

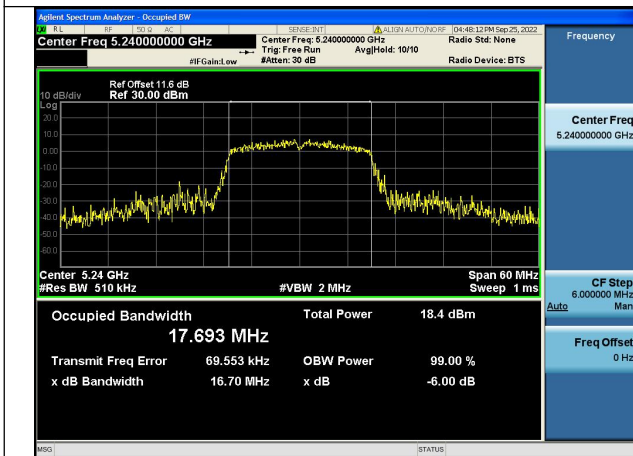
Test Mode: 802.11ac VHT20



Test Mode:802.11ac VHT20 5180MHz Chain0

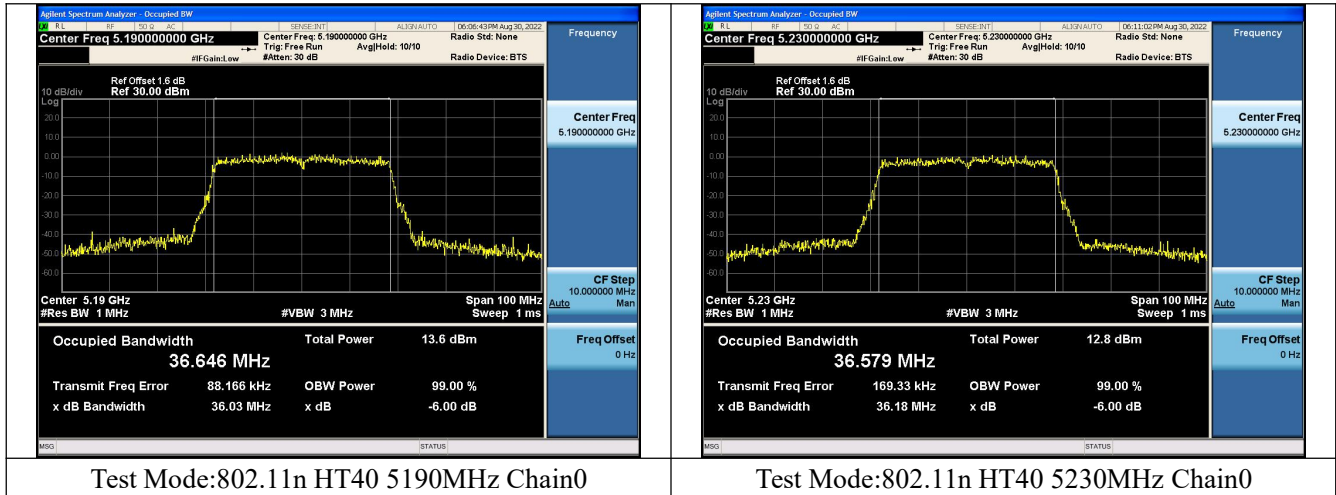


Test Mode:802.11ac VHT20 5220MHz Chain0

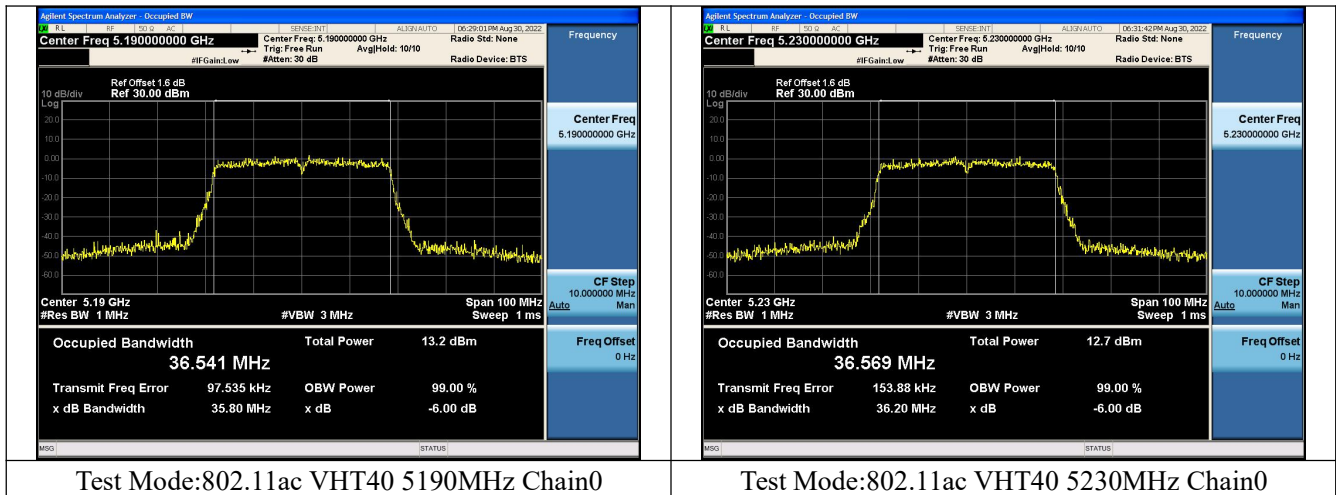


Test Mode:802.11ac VHT20 5240MHz Chain0

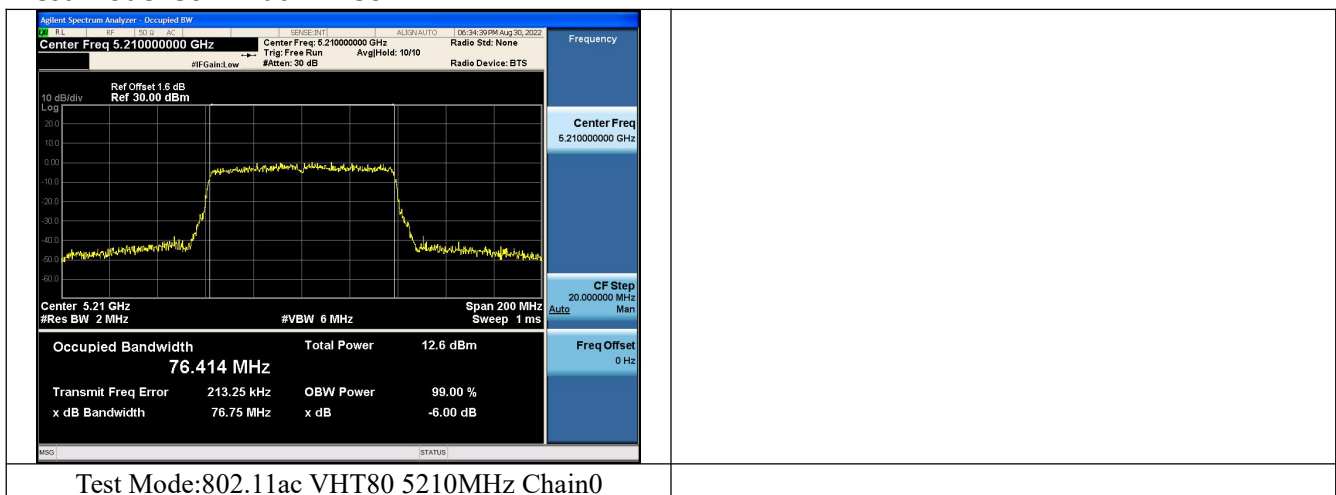
Test Mode: 802.11n HT40



Test Mode: 802.11ac VHT40



Test Mode: 802.11ac VHT80



Transmitter Power Spectral Density

Offset 1.6dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Tones	5180MHz		5220MHz		5240MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11a	Chain0	NA	0	-0.245	0	-0.409	0	-0.689
802.11n HT20	Chain0	NA	0	-0.674	0	-1.157	0	-1.723
802.11ac VHT20	Chain0	NA	0	-0.752	0	-1.318	0	-1.214

Test Mode	Antenna	Tones	5190MHz		---		5230MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11n HT40	Chain0	NA	0.10	-3.271	---	---	0.10	-4.164
802.11ac VHT40	Chain0	NA	0.09	-3.811	---	---	0.09	-4.315

Test Mode	Antenna	Tones	5210MHz		---		---	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11ac VHT80	Chain0	NA	0.18	-7.372	---	---	---	---

Test Mode: 802.11a



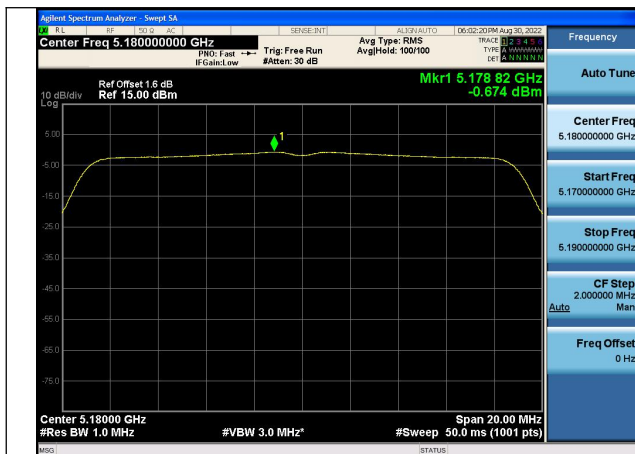
Test Mode:802.11a 5180MHz Chain0

Test Mode:802.11a 5220MHz Chain0



Test Mode:802.11a 5240MHz Chain0

Test Mode: 802.11n HT20



Test Mode:802.11n HT20 5180MHz Chain0



Test Mode:802.11n HT20 5220MHz Chain0