APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5180	99.46%	0
802. 11n HT20	5180	99.46%	0
802. 11n HT40	5190	98.81%	0
802. 11ac VHT20	5180	99.44%	0
802. 11ac VHT40	5190	98.84%	0
802. 11ac VHT80	5210	97.66%	0.10

Output Power

NII1

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5180	Chain0	11.67	10.57
		5220	Chain0	11.76	10.66
		5240	Chain0	11.84	10.74
802.11n20M		5180	Chain0	11.54	10.44
		5220	Chain0	11.63	10.53
		5240	Chain0	11.70	10.60
802.11n40M		5190	Chain0	11.61	10.51
		5230	Chain0	11.75	10.65
802.11ac20M		5180	Chain0	11.46	10.36
		5220	Chain0	11.64	10.54
		5240	Chain0	11.69	10.59
802.11ac40M		5190	Chain0	11.63	10.53
		5230	Chain0	11.75	10.65
802.11ac80M		5210	Chain0	11.96	10.86

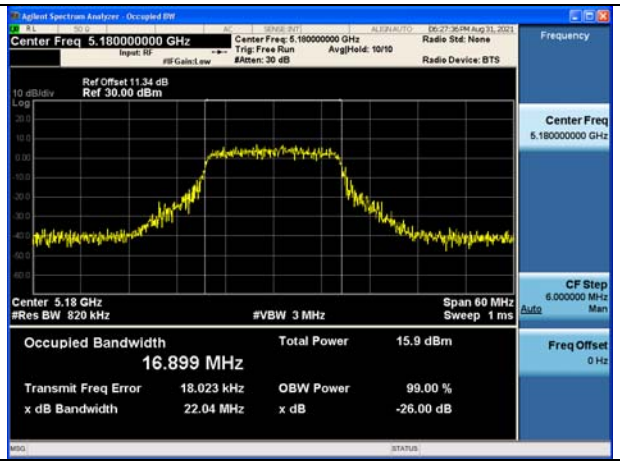
Emission Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

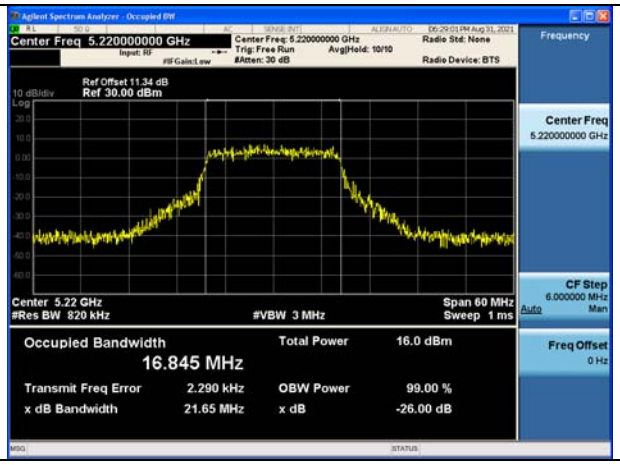
Test Mode:802.11a

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	22.04
5220	Chain0	21.65
5240	Chain0	21.66

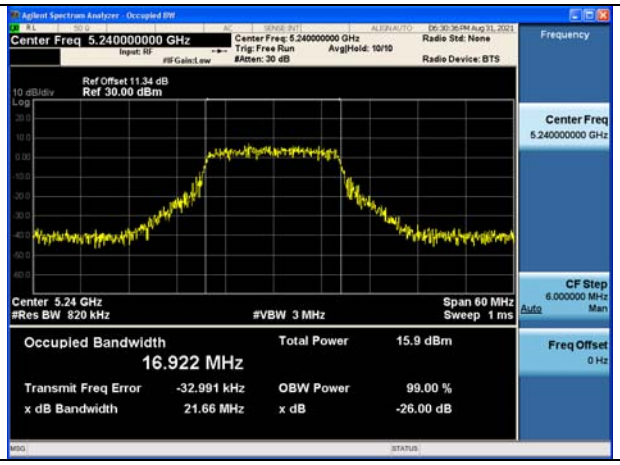
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



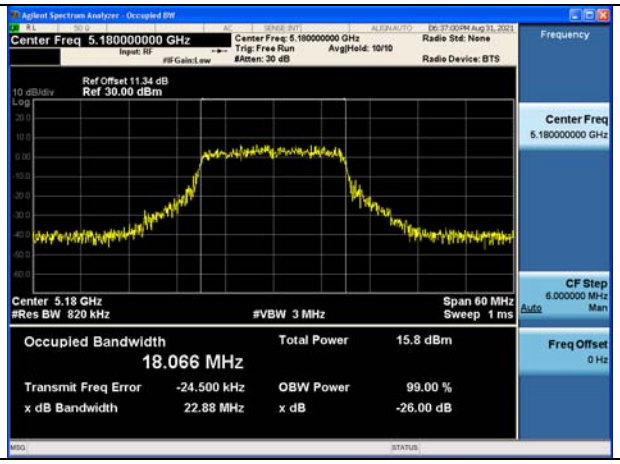
Test Mode:802.11a Chain0



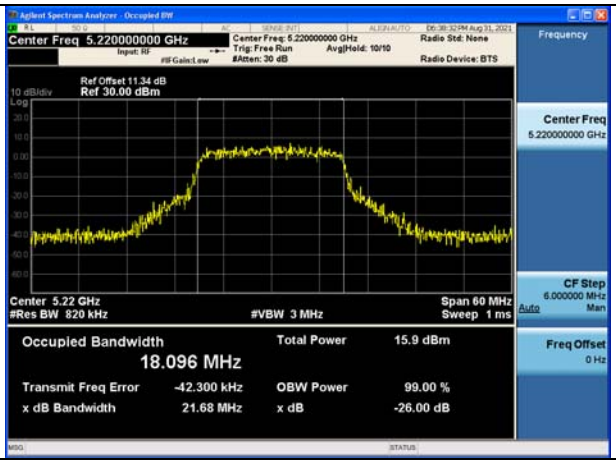
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	22.88
5220	Chain0	21.68
5240	Chain0	24.27

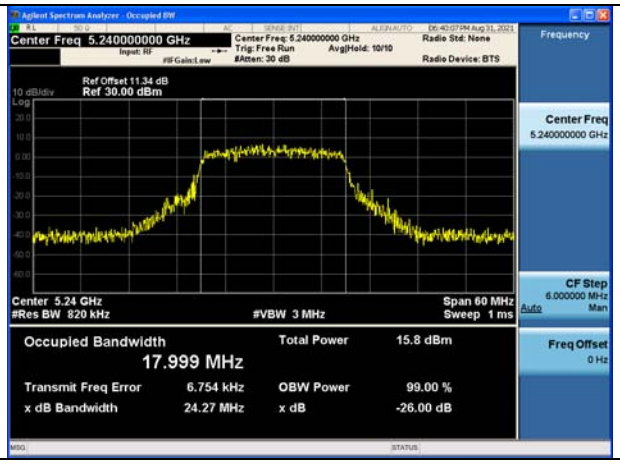
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



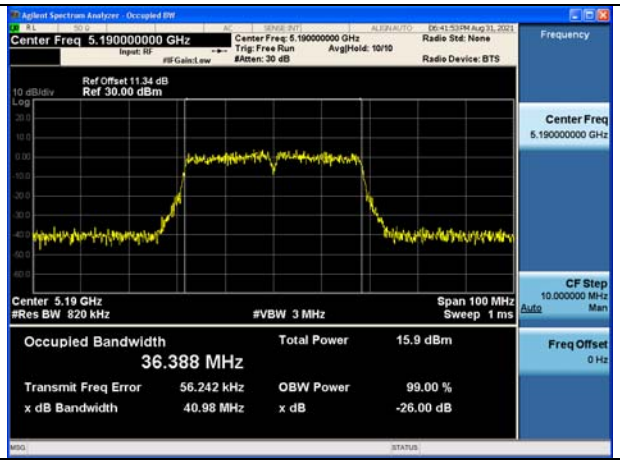
Test Mode:802. 11n HT20 Chain0



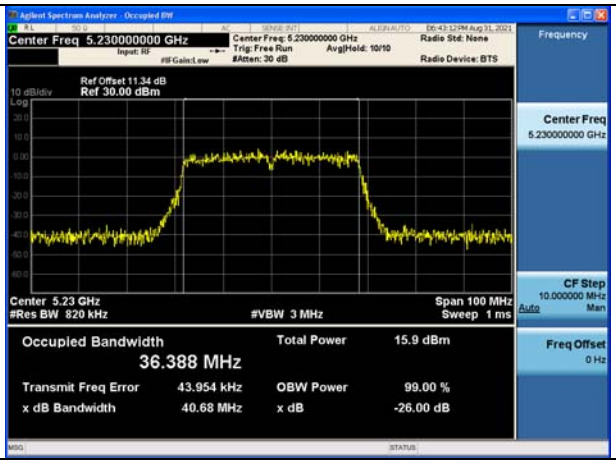
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5190	Chain0	40.98
5230	Chain0	40.68

Test Mode:802. 11n HT40 Chain0



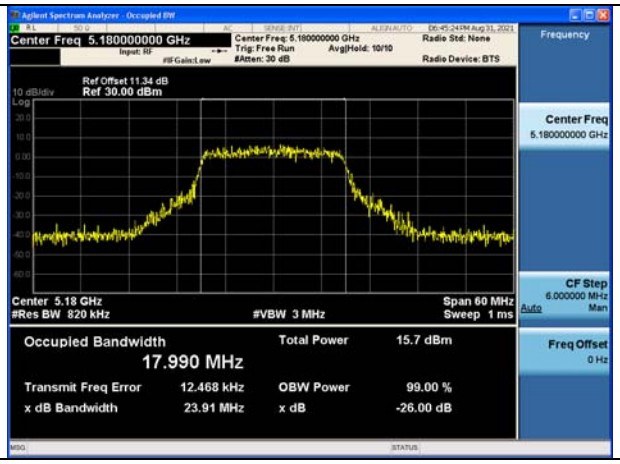
Test Mode:802. 11n HT40 Chain0



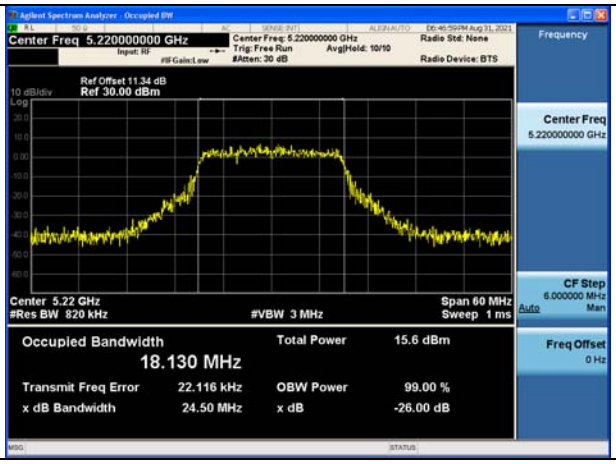
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	23.91
5220	Chain0	24.50
5240	Chain0	22.42

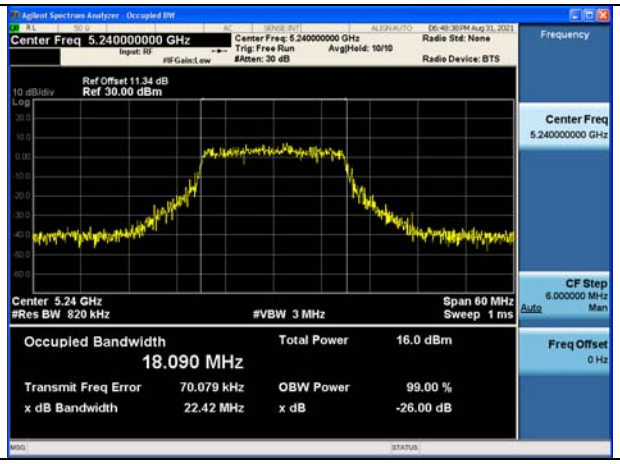
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



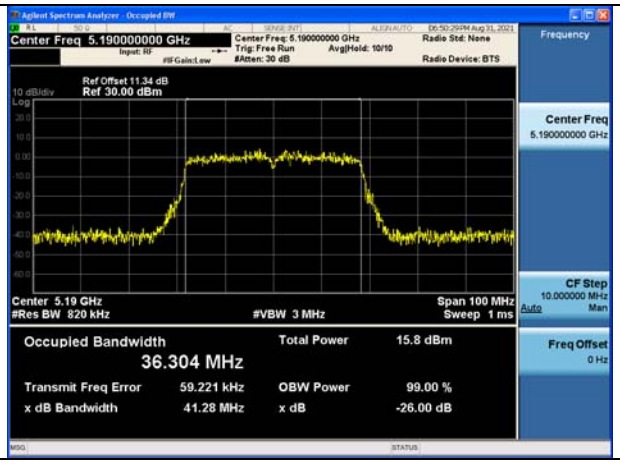
Test Mode:802. 11ac VHT20 Chain0



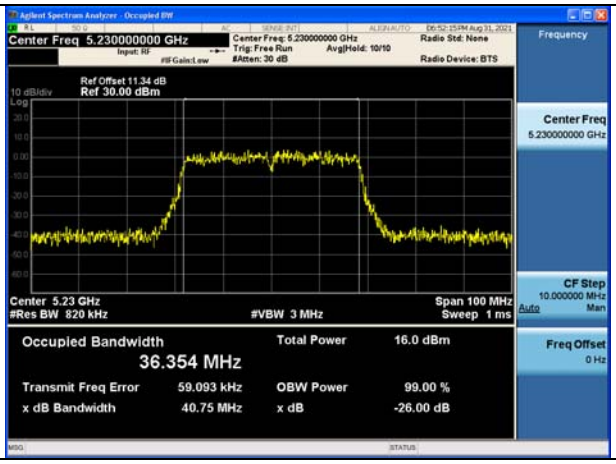
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5190	Chain0	41.28
5230	Chain0	40.75

Test Mode:802. 11ac VHT40 Chain0



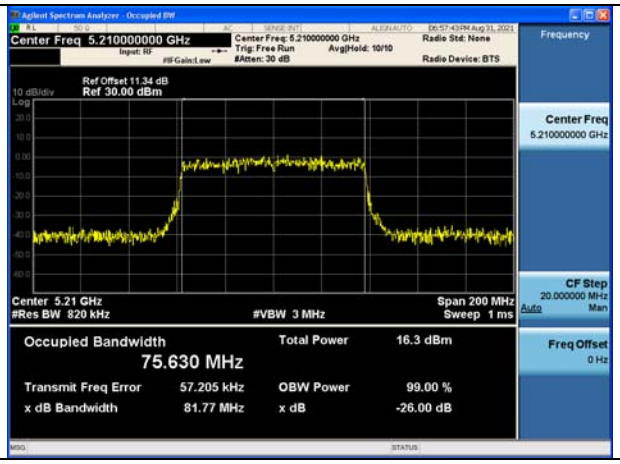
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5210	Chain0	81.77

Test Mode:802. 11ac VHT80 Chain0



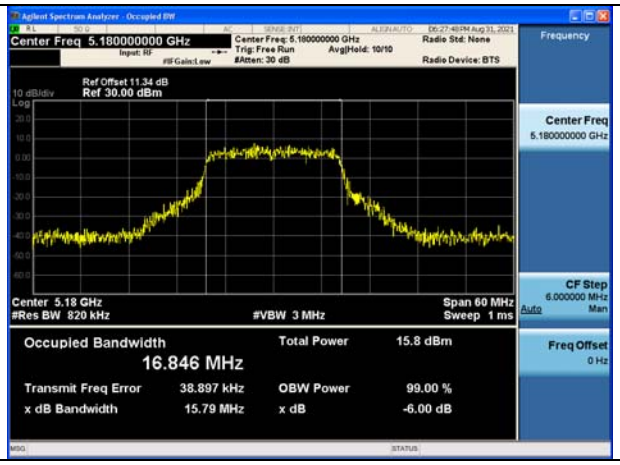
Occupied Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

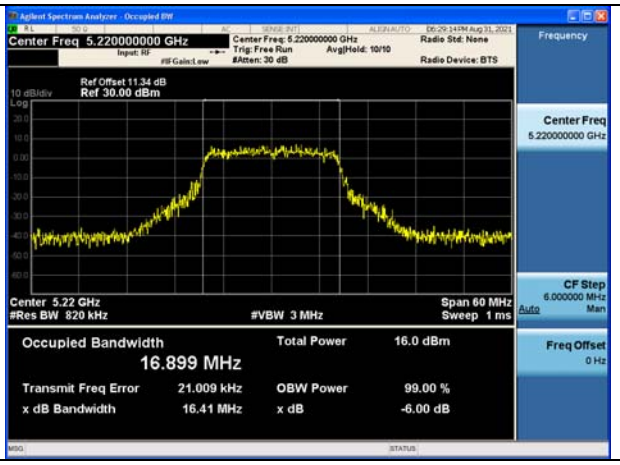
Test Mode:802.11a

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	16.846
5220	Chain0	16.899
5240	Chain0	16.870

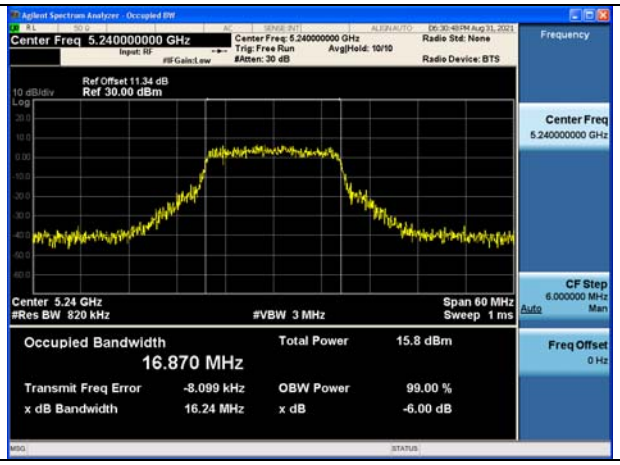
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



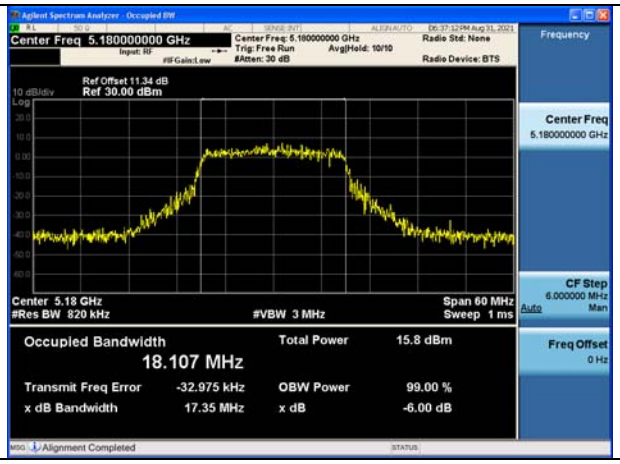
Test Mode:802.11a Chain0



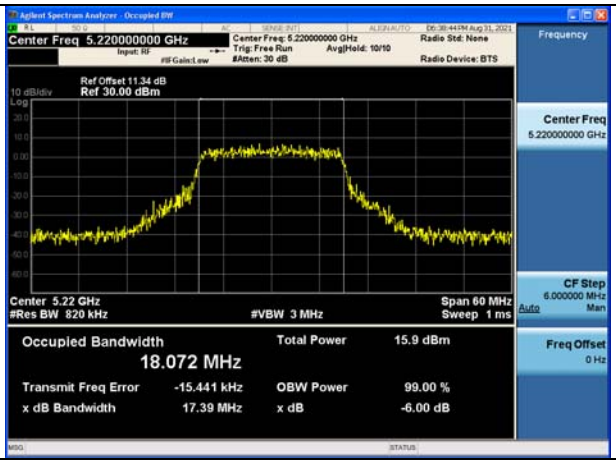
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	18.107
5220	Chain0	18.072
5240	Chain0	18.139

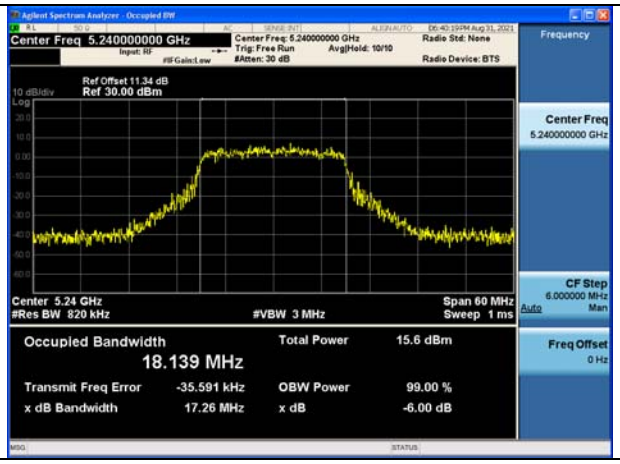
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



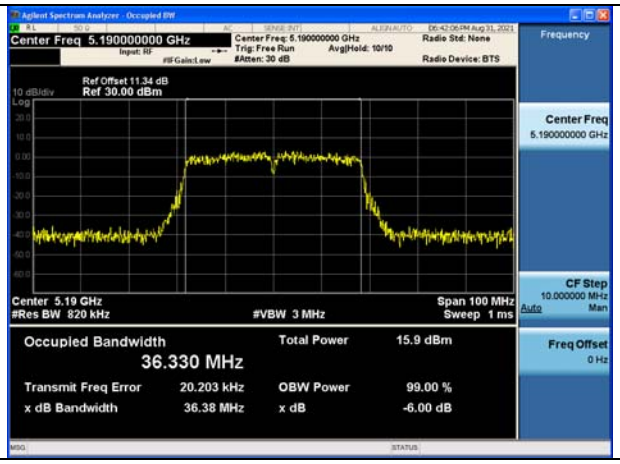
Test Mode:802. 11n HT20 Chain0



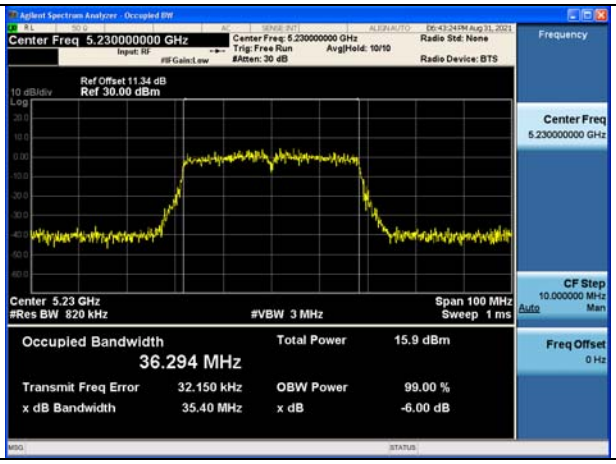
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5190	Chain0	36.330
5230	Chain0	36.294

Test Mode:802. 11n HT40 Chain0



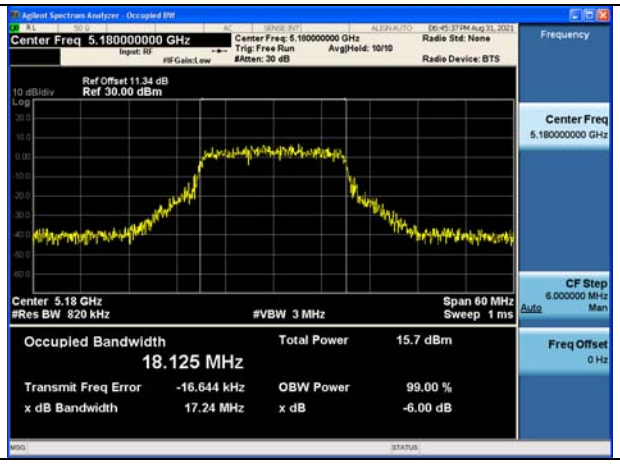
Test Mode:802. 11n HT40 Chain0



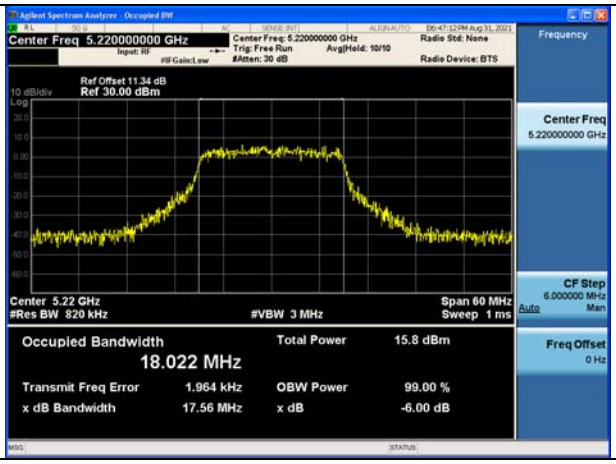
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	18.125
5220	Chain0	18.022
5240	Chain0	18.028

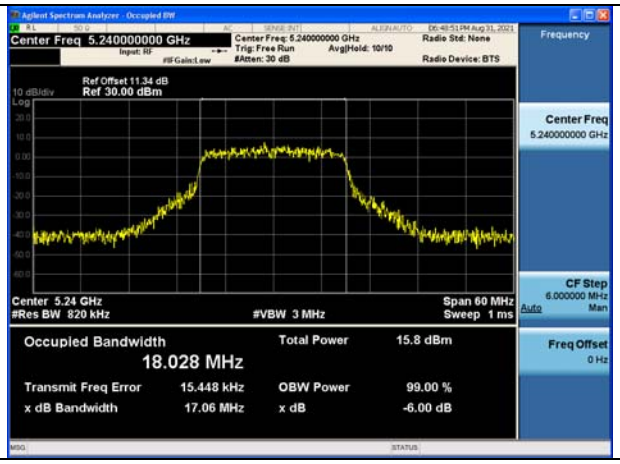
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



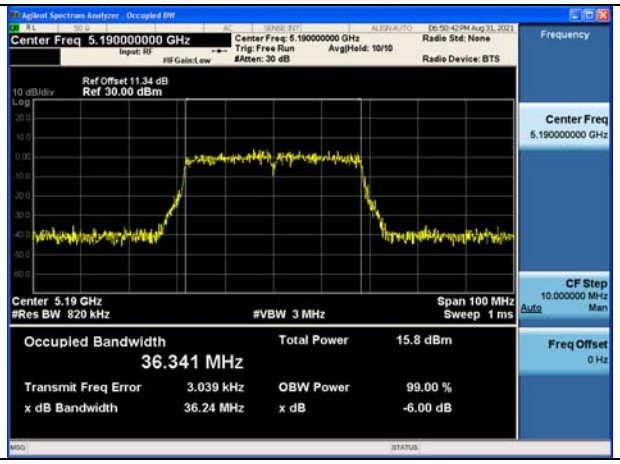
Test Mode:802. 11ac VHT20 Chain0



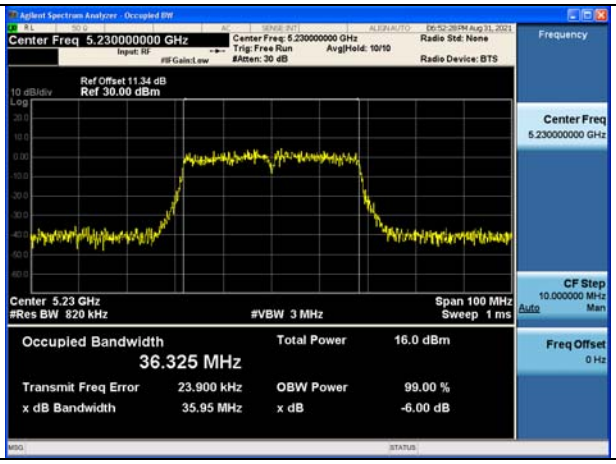
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5190	Chain0	36.341
5230	Chain0	36.325

Test Mode:802. 11ac VHT40 Chain0



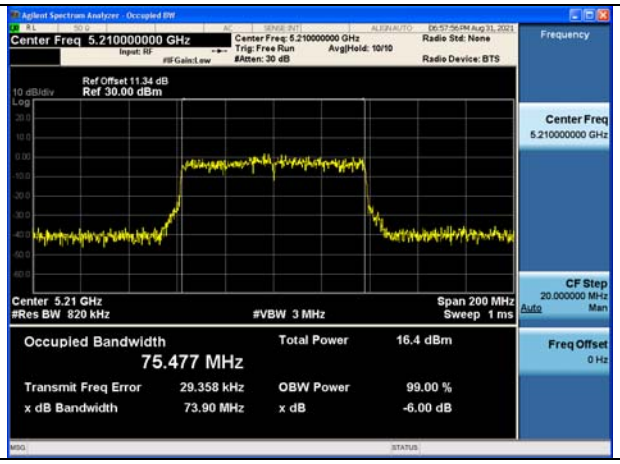
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5210	Chain0	75.477

Test Mode:802. 11ac VHT80 Chain0



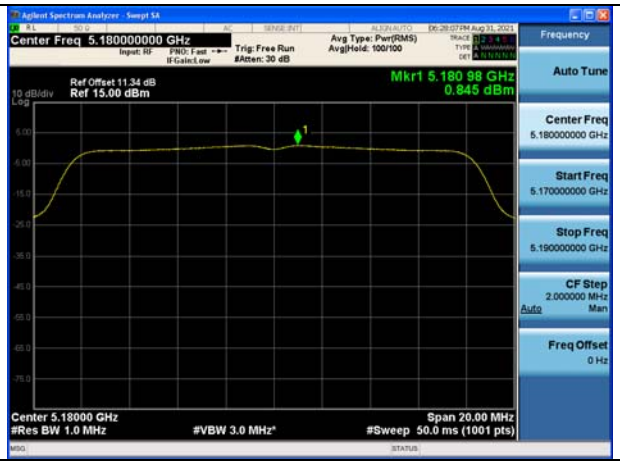
Transmitter Power Spectral Density

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

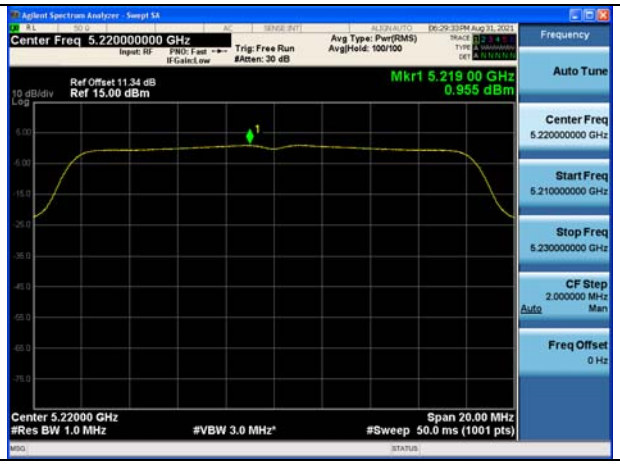
Test Mode:802.11a

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5180	0	Chain0	0.845
5220		Chain0	0.955
5240		Chain0	0.994

Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain0

Test Mode:802. 11n HT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5180	0	Chain0	0.436
5220		Chain0	0.433
5240		Chain0	0.491

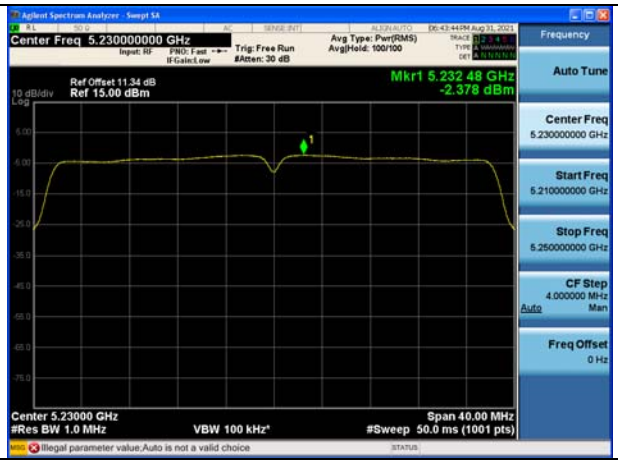
Test Mode:802. 11n HT20 Chain0

Test Mode:802. 11n HT20 Chain0

Test Mode:802. 11n HT20 Chain0

Test Mode:802. 11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5190	0	Chain0	-2.477
5230		Chain0	-2.378

Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0
	

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5180	0	Chain0	0.364
5220		Chain0	0.464
5240		Chain0	0.532

Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain0

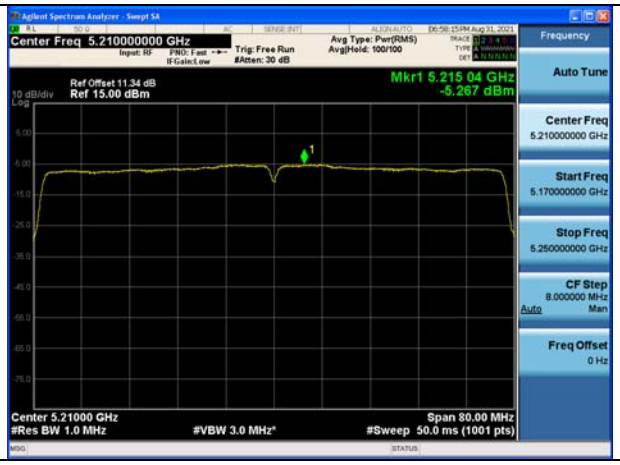
Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5190	0	Chain0	-2.414
5230		Chain0	-2.251

Test Mode:802. 11ac VHT40 Chain0	Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5210	0.10	Chain0	-5.167

Test Mode:802. 11ac VHT80 Chain0