

## **APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

### **Duty Cycle**

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5180	99.47%	0
802.11n HT20	5180	99.38%	0
802.11n HT40	5190	98.90%	0
802.11ac VHT20	5180	99.42%	0
802.11ac VHT40	5190	98.90%	0
802.11ac VHT80	5210	97.66%	0.10

### **Output Power**

#### **NII1**

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conductedaverage power output(dBm)	EIRP (dBm)
802.11a	NA	5180	Chain0	11.20	10.10
		5220	Chain0	10.89	9.79
		5240	Chain0	10.38	9.28
802.11n20M		5180	Chain0	11.08	9.98
		5220	Chain0	10.65	9.55
		5240	Chain0	10.63	9.53
802.11n40M		5190	Chain0	11.49	10.39
		5230	Chain0	11.25	10.15
802.11ac20M		5180	Chain0	11.03	9.93
		5220	Chain0	10.64	9.54
		5240	Chain0	10.64	9.54
802.11ac40M		5190	Chain0	11.45	10.35
		5230	Chain0	11.12	10.02
802.11ac80M		5210	Chain0	11.00	9.90

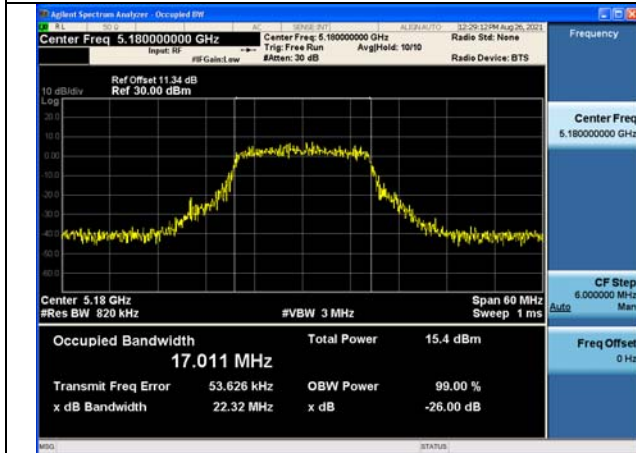
### Emission Bandwidth

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

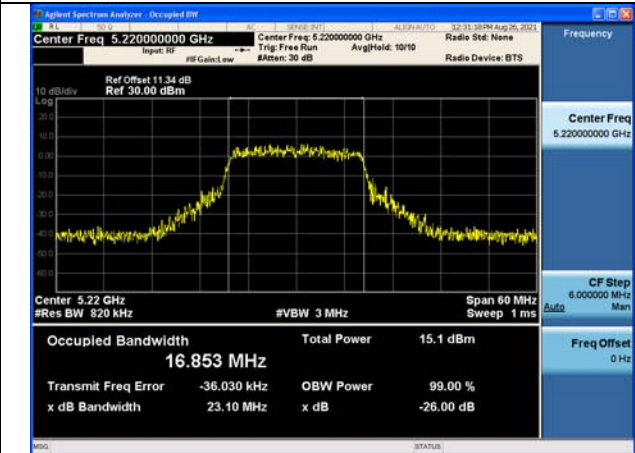
Test Mode:802.11a

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	22.32
5220	Chain0	23.10
5240	Chain0	21.86

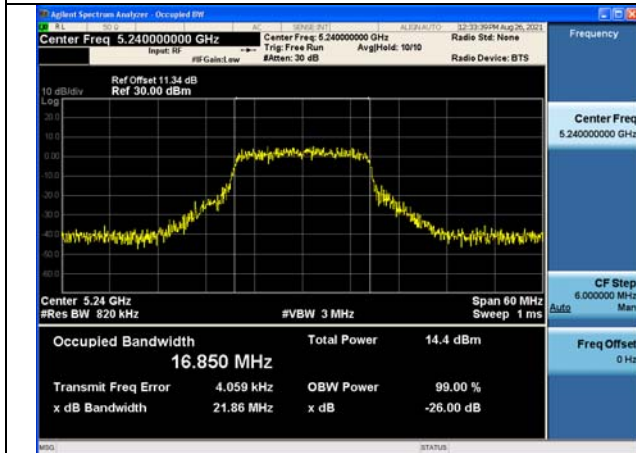
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



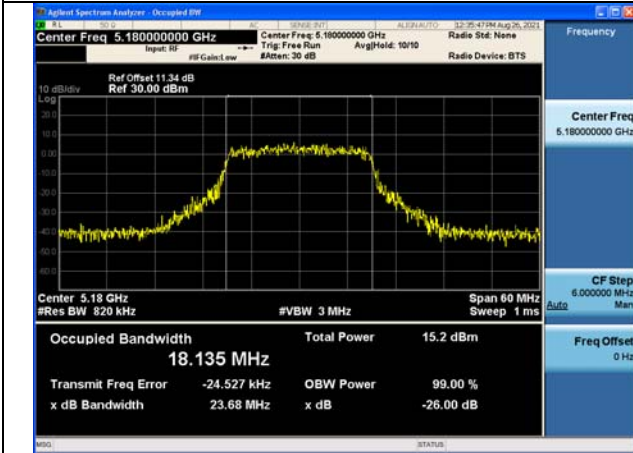
Test Mode:802.11a Chain0



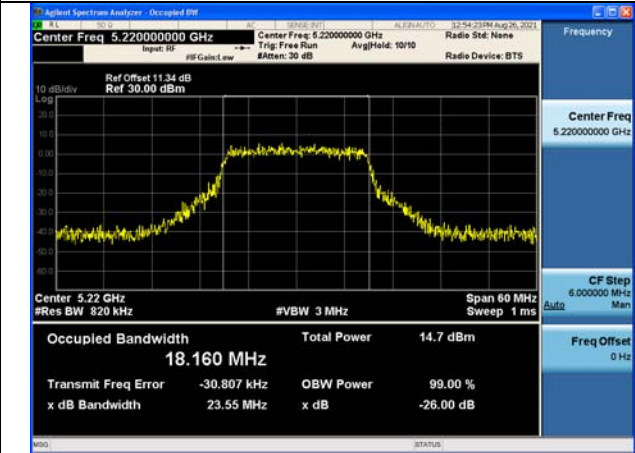
Test Mode:802. 11n HT20

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	23.68
5220	Chain0	23.55
5240	Chain0	23.22

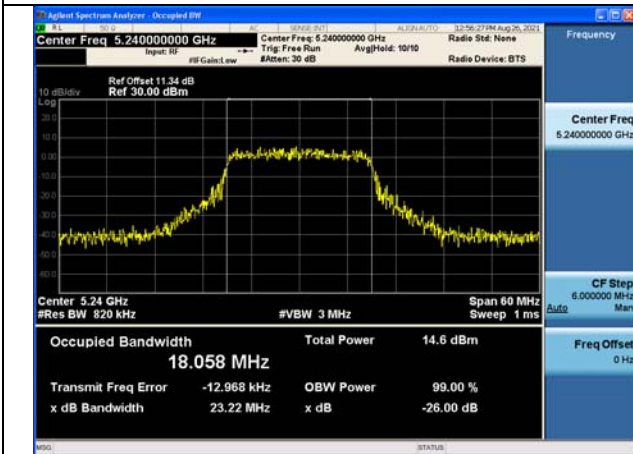
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



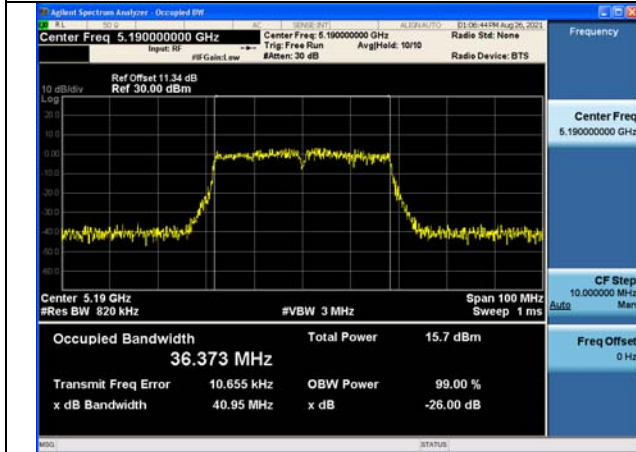
Test Mode:802. 11n HT20 Chain0



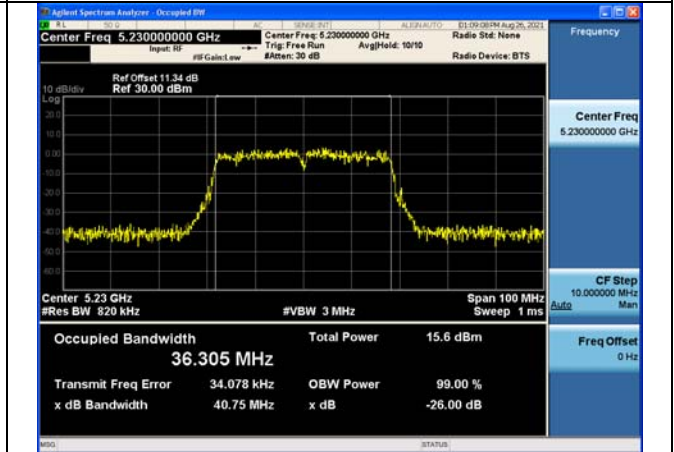
Test Mode:802. 11n HT40

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5190	Chain0	40.95
5230	Chain0	40.75

Test Mode:802. 11n HT40 Chain0



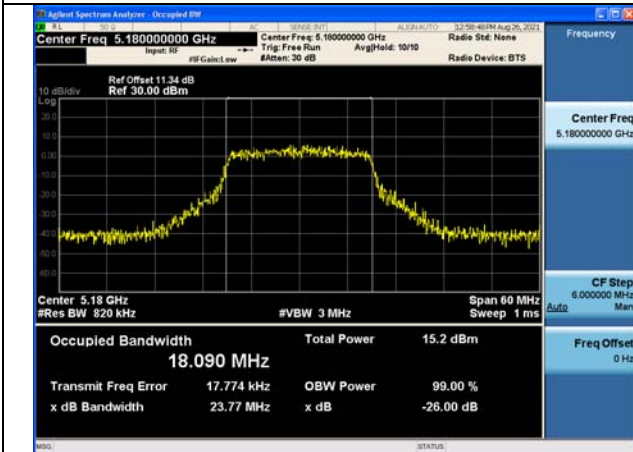
Test Mode:802. 11n HT40 Chain0



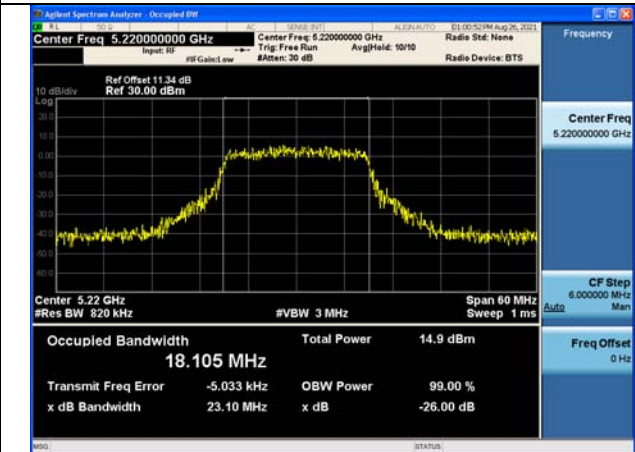
Test Mode:802. 11ac VHT20

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	23.77
5220	Chain0	23.10
5240	Chain0	23.45

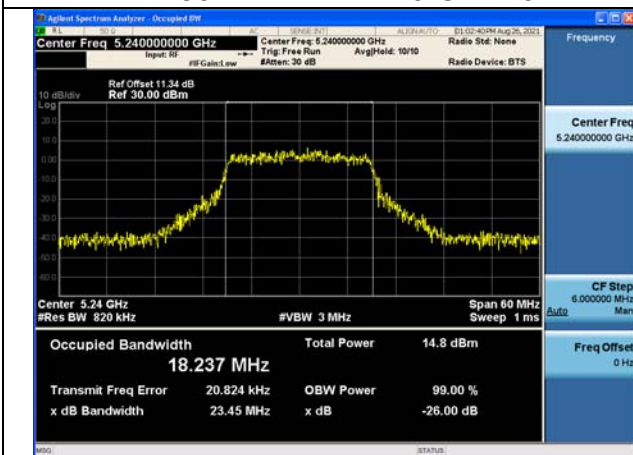
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



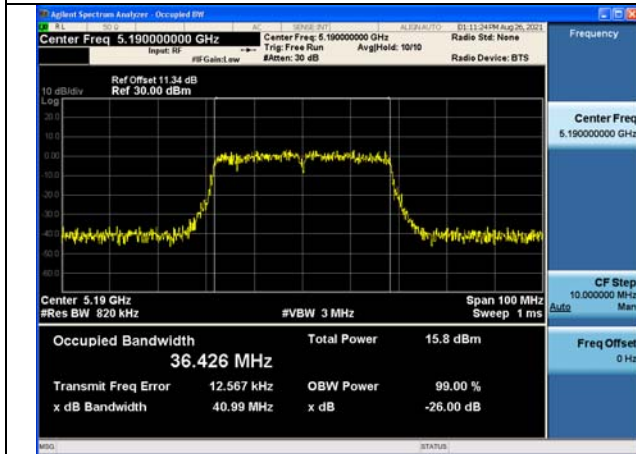
Test Mode:802. 11ac VHT20 Chain0



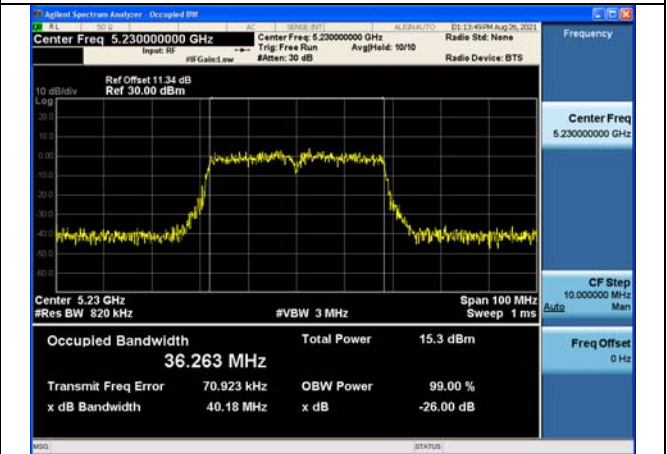
Test Mode:802. 11ac VHT40

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5190	Chain0	40.99
5230	Chain0	40.18

Test Mode:802. 11ac VHT40 Chain0



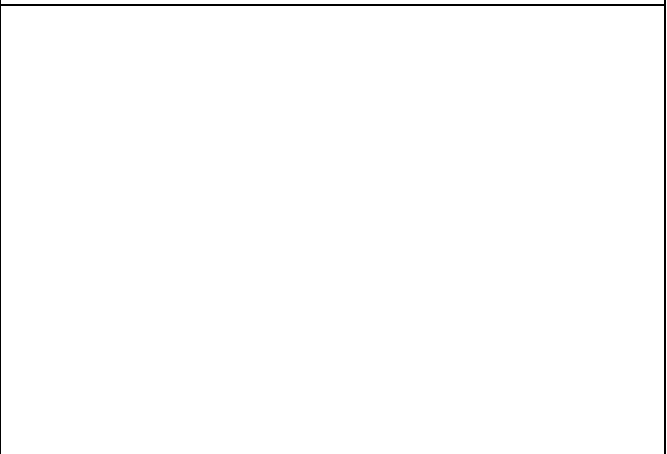
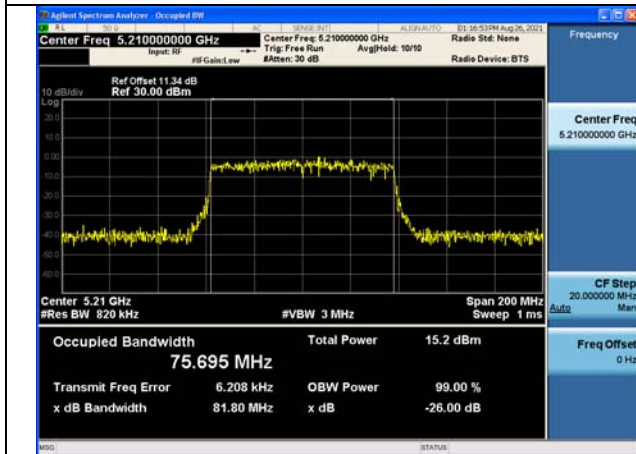
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5210	Chain0	81.80

Test Mode:802. 11ac VHT80 Chain0



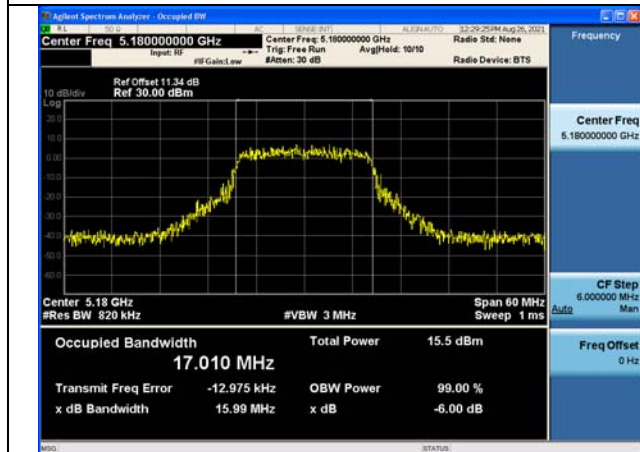
### Occupied Bandwidth

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

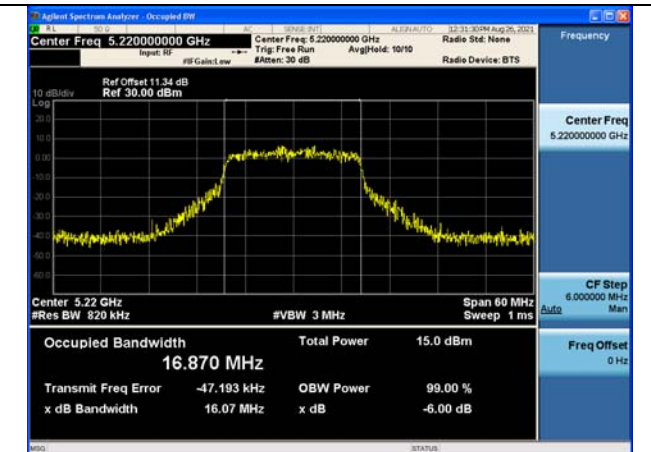
Test Mode:802.11a

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	17.010
5220	Chain0	16.870
5240	Chain0	16.850

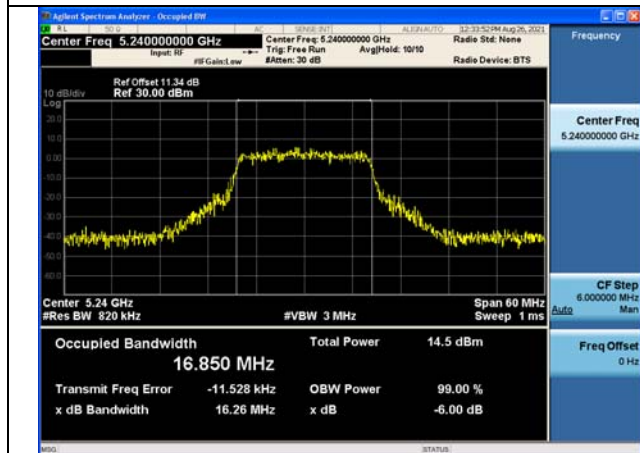
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



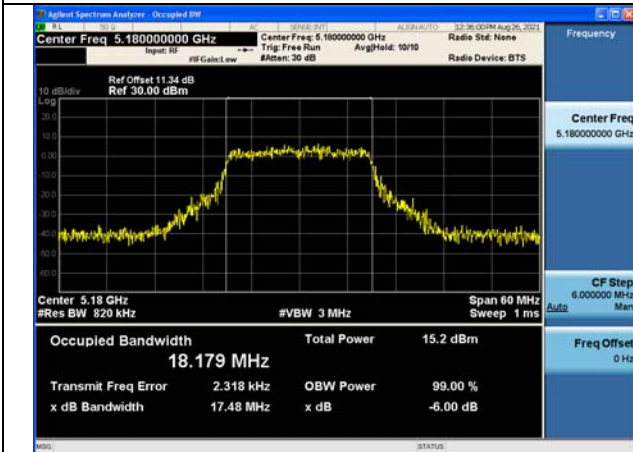
Test Mode:802.11a Chain0



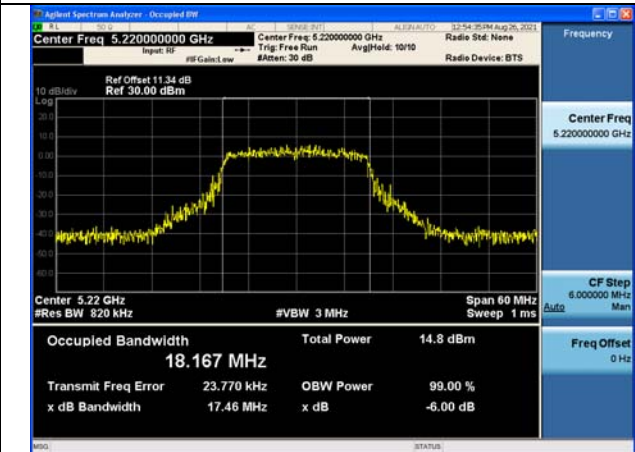
Test Mode:802. 11n HT20

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	18.179
5220	Chain0	18.167
5240	Chain0	18.090

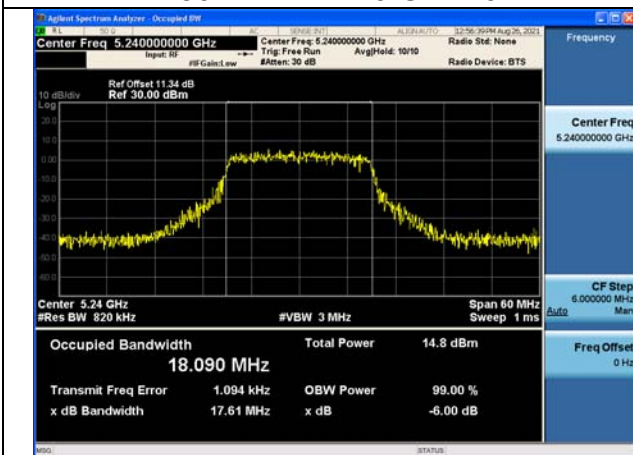
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0

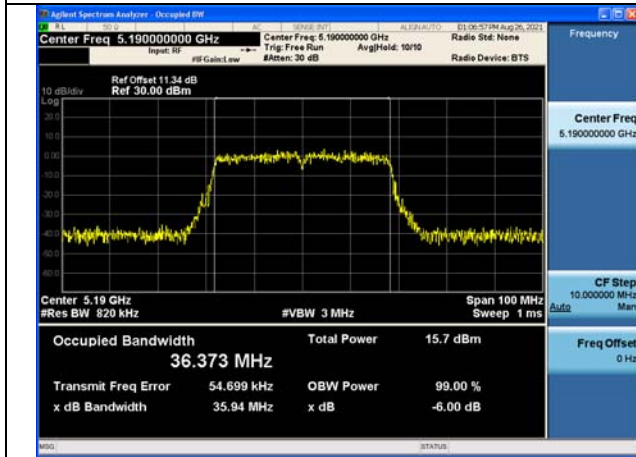




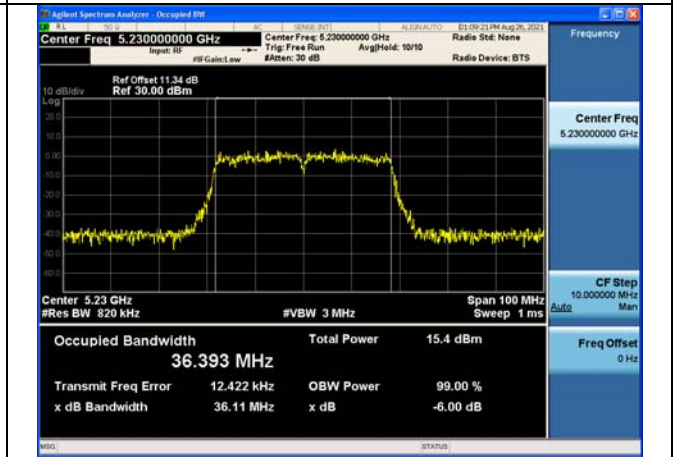
Test Mode:802. 11n HT40

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5190	Chain0	36.373
5230	Chain0	36.393

Test Mode:802. 11n HT40 Chain0



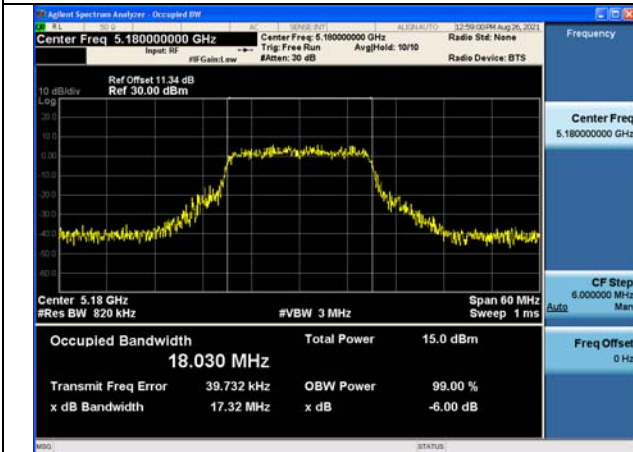
Test Mode:802. 11n HT40 Chain0



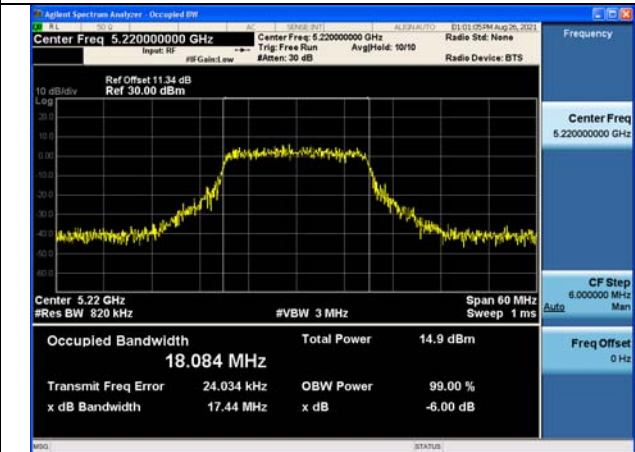
Test Mode:802. 11ac VHT20

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	18.030
5220	Chain0	18.084
5240	Chain0	18.332

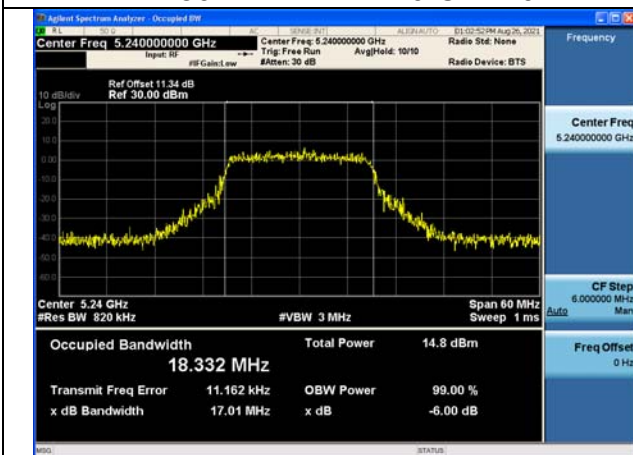
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



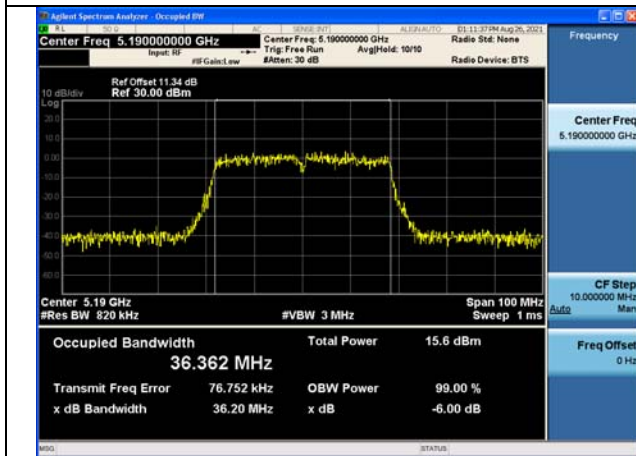
Test Mode:802. 11ac VHT20 Chain0



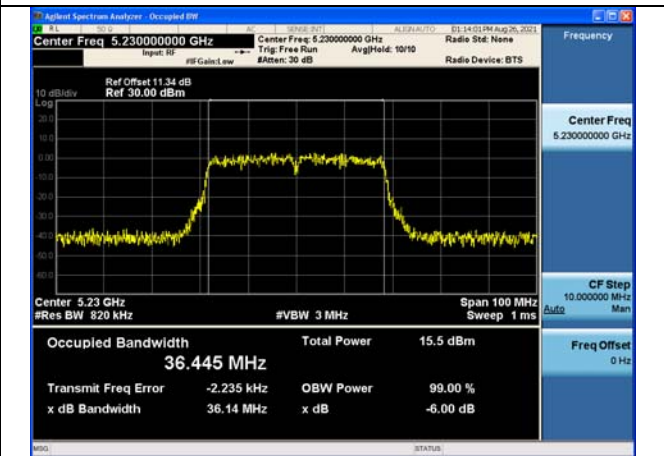
Test Mode:802. 11ac VHT40

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5190	Chain0	36.362
5230	Chain0	36.445

Test Mode:802. 11ac VHT40 Chain0



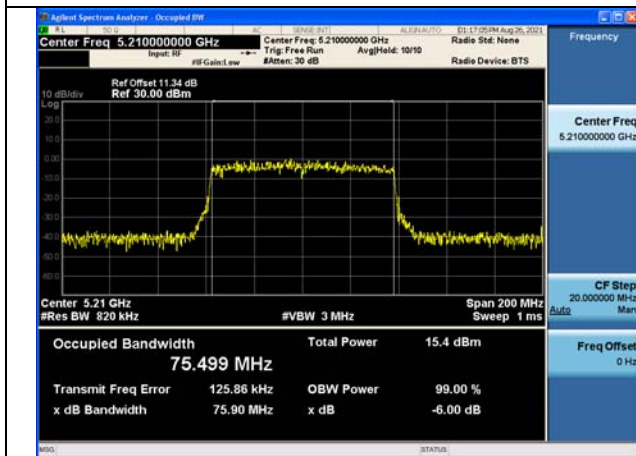
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5210	Chain0	75.499

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	-0.065
5220		Chain0	-0.471
5240		Chain0	-0.499

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	-0.065
5220		Chain0	-0.471
5240		Chain0	-0.499

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	-2.617
5230		Chain0	-2.797

Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



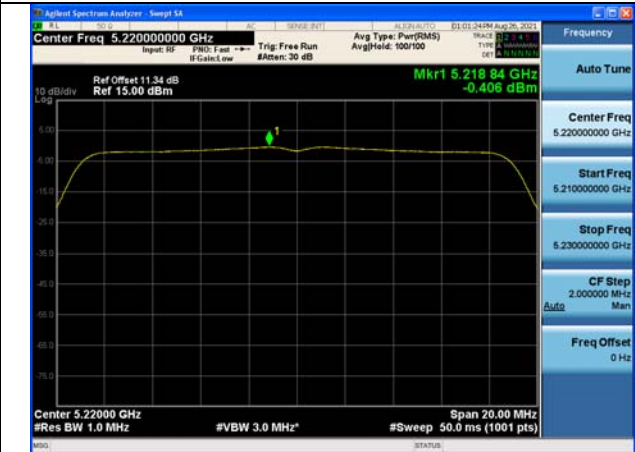
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5180	0	Chain0	-0.113
5220		Chain0	-0.406
5240		Chain0	-0.502

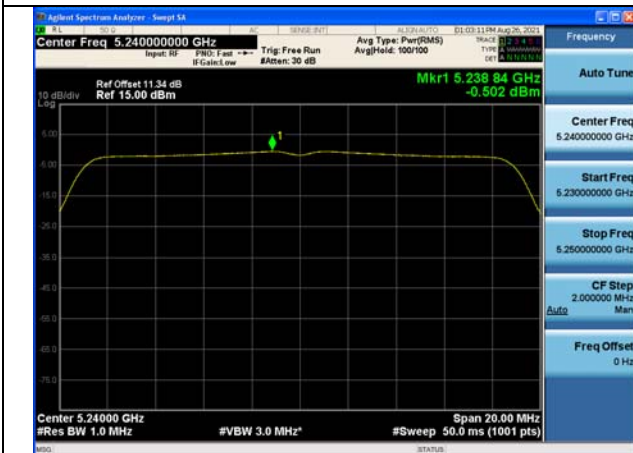
Test Mode:802. 11ac VHT20 Chain0



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	-2.664
5230		Chain0	-2.907

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	0.1	Chain0	-6.063

Test Mode:802. 11ac VHT80 Chain0

