

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

### **Duty Cycle**

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5500	99.46%	0
802.11n HT20	5500	99.45%	0
802.11n HT40	5510	98.90%	0
802.11ac VHT20	5500	99.35%	0
802.11ac VHT40	5510	98.94%	0
802.11ac VHT80	5530	97.77%	0.10

### **Output Power NII2C**

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5500	Chain0	10.18	9.68
		5580	Chain0	10.55	10.05
		5700	Chain0	11.51	11.01
		5720	Chain0	11.36	10.86
802.11n20M		5500	Chain0	10.04	9.54
		5580	Chain0	10.35	9.85
		5700	Chain0	11.35	10.85
		5720	Chain0	11.16	10.66
802.11n40M		5510	Chain0	10.51	10.01
		5590	Chain0	10.87	10.37
		5670	Chain0	11.33	10.83
		5710	Chain0	11.36	10.86
802.11ac20M		5500	Chain0	9.89	9.39
		5580	Chain0	10.39	9.89
		5700	Chain0	11.37	10.87
		5720	Chain0	11.66	11.16
802.11ac40M	5510	Chain0	10.61	10.11	
	5590	Chain0	10.94	10.44	
	5670	Chain0	11.40	10.90	
	5710	Chain0	11.37	10.87	
802.11ac80M	5530	Chain0	10.56	10.06	
	5610	Chain0	10.47	9.97	
	5690	Chain0	11.37	10.87	

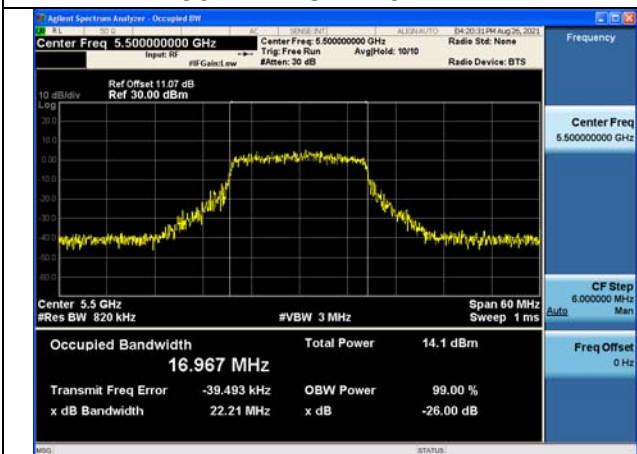
### Emission Bandwidth

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

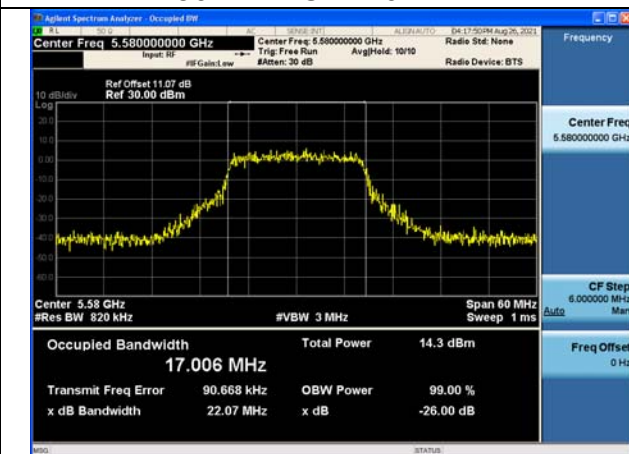
Test Mode:802.11a

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	22.21
5580	Chain0	22.07
5700	Chain0	21.59
5720	Chain0	21.63

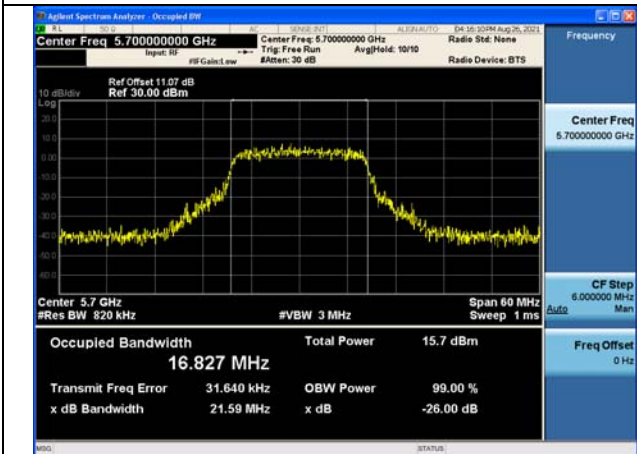
Test Mode:802.11a Chain0



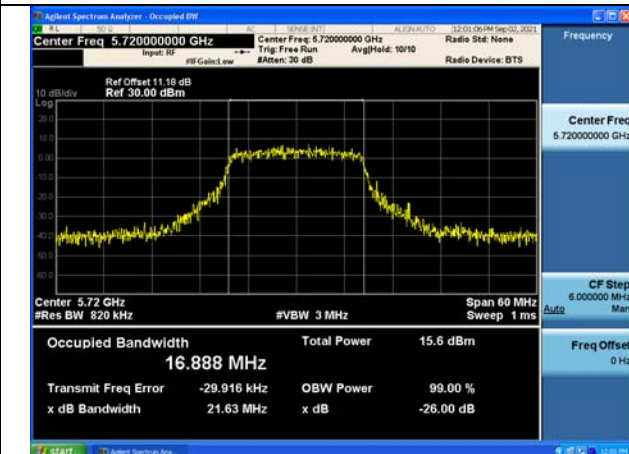
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



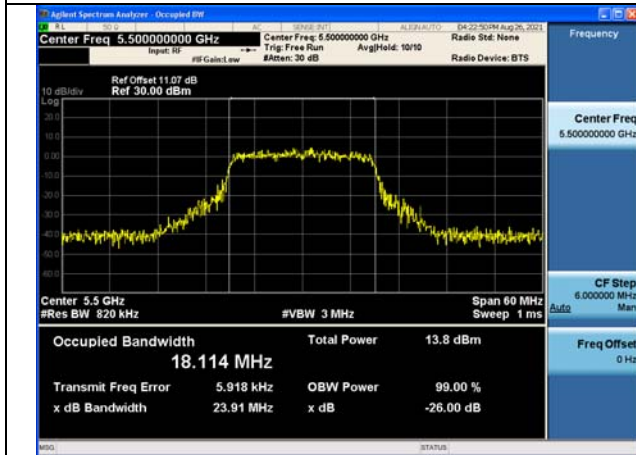
Test Mode:802.11a Chain0



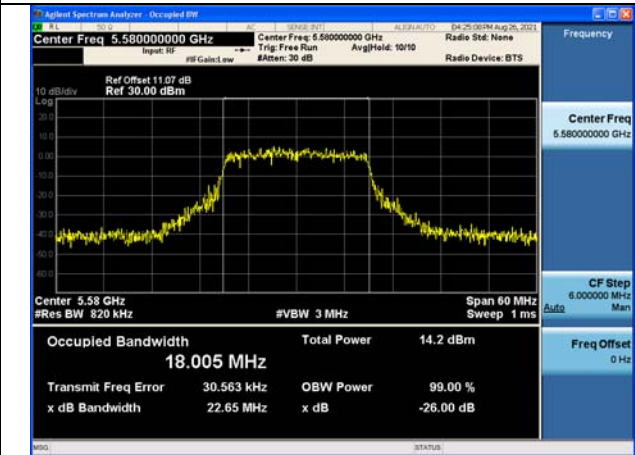
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	23.91
5580	Chain0	22.65
5700	Chain0	23.24
5720	Chain0	23.56

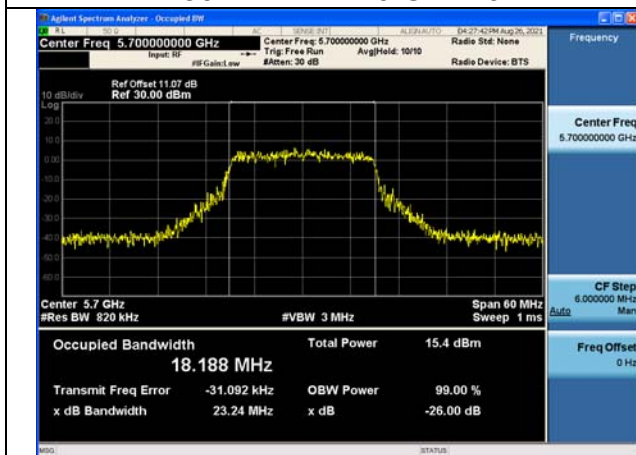
Test Mode:802. 11n HT20 Chain0



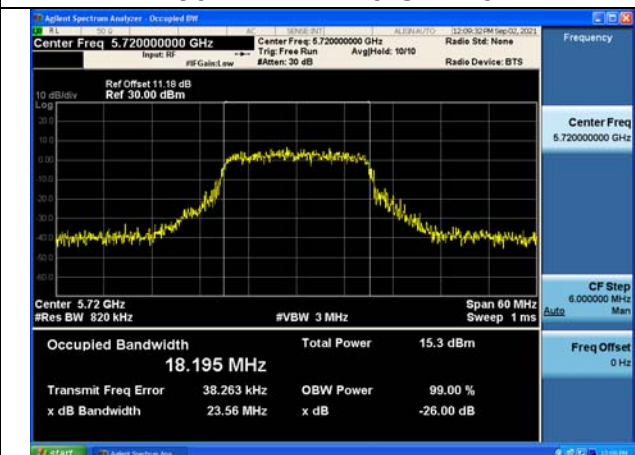
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



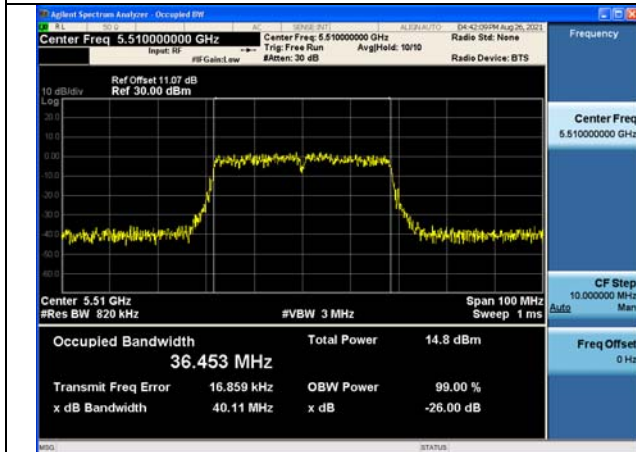
Test Mode:802. 11n HT20 Chain0



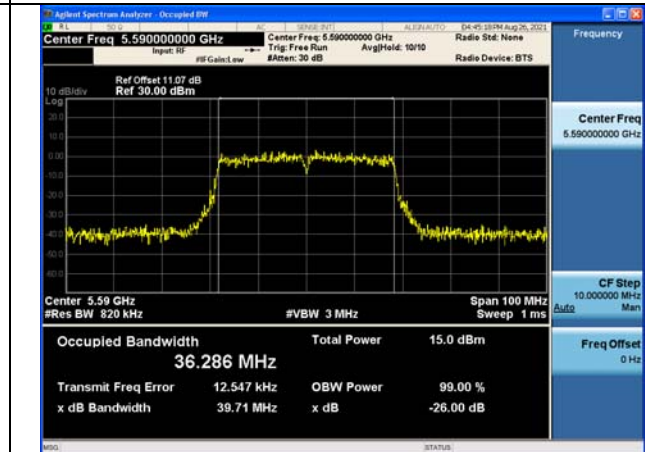
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	40.11
5590	Chain0	39.71
5670	Chain0	40.27
5710	Chain0	40.23

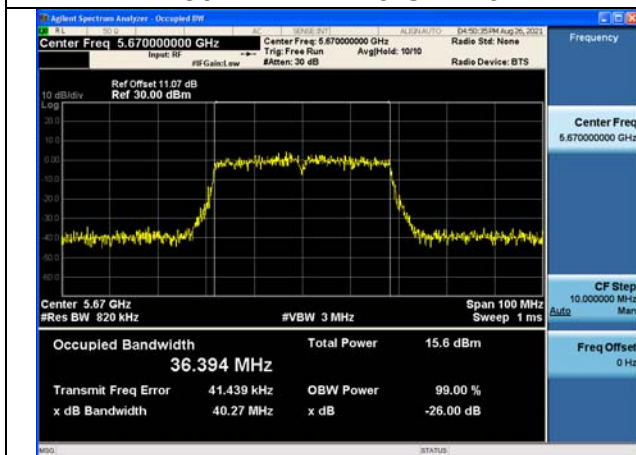
Test Mode:802. 11n HT40 Chain0



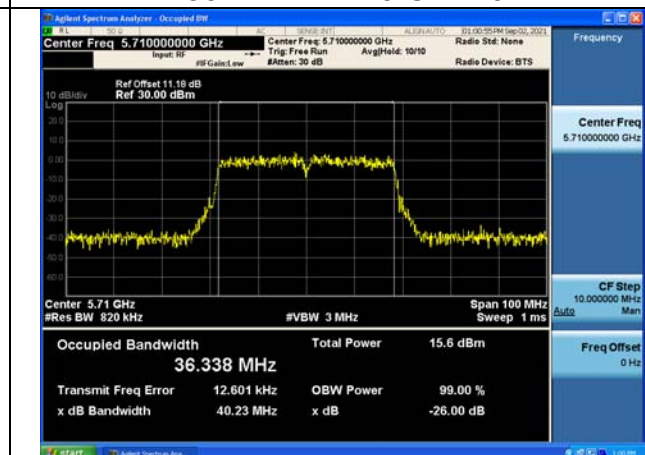
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



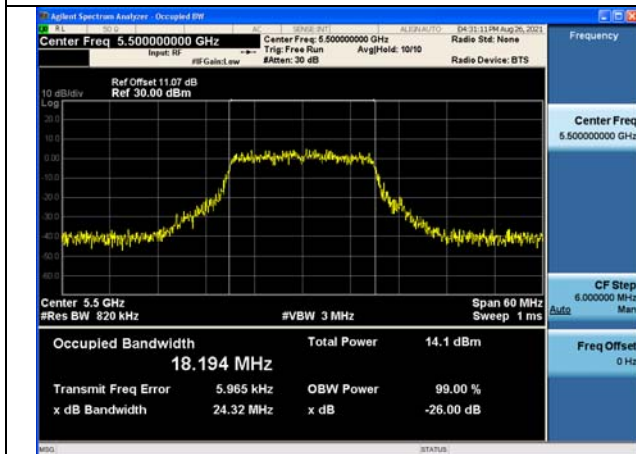
Test Mode:802. 11n HT40 Chain0



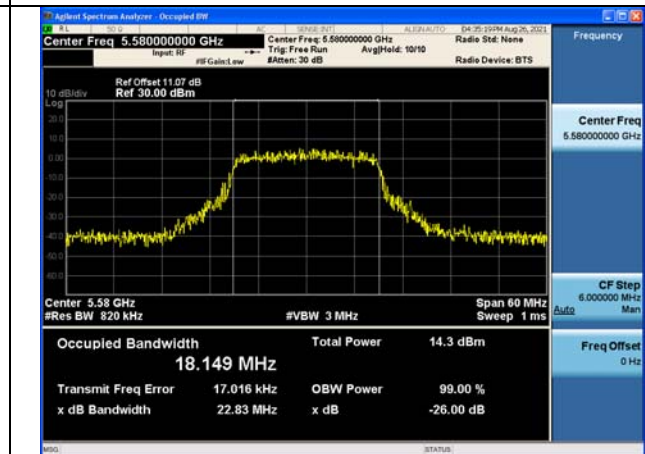
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	24.32
5580	Chain0	22.83
5700	Chain0	23.68
5720	Chain0	24.69

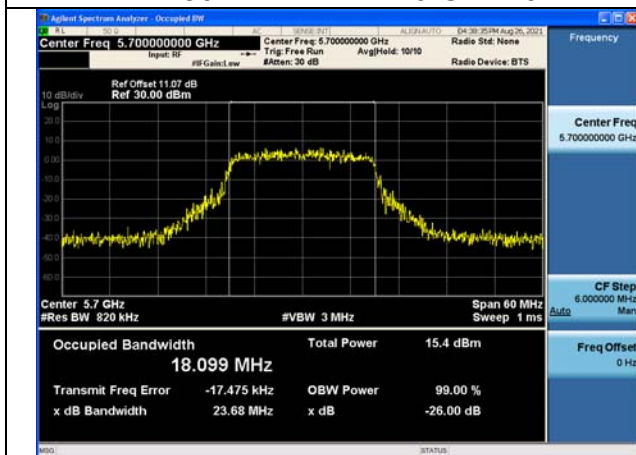
Test Mode:802. 11ac VHT20 Chain0



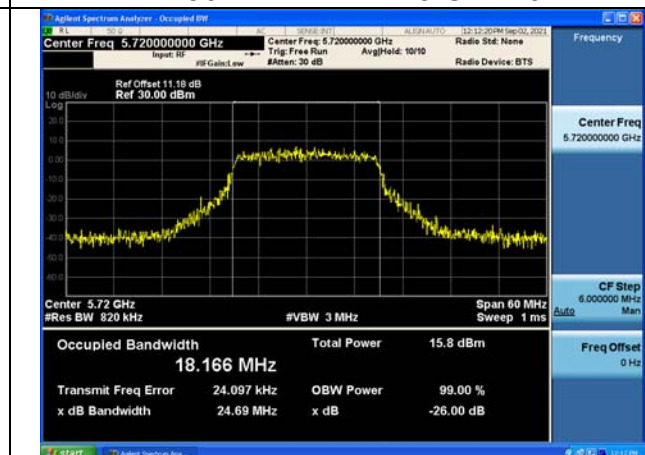
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



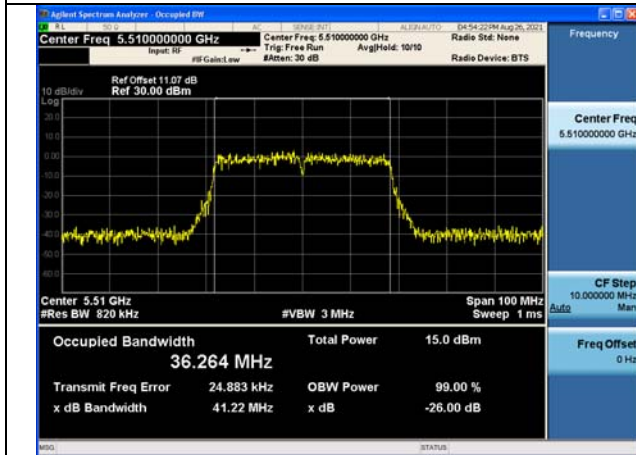
Test Mode:802. 11ac VHT20 Chain0



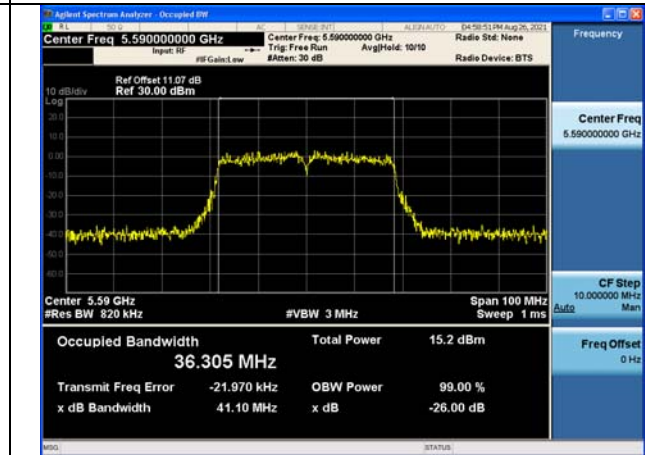
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	41.22
5590	Chain0	41.10
5670	Chain0	40.64
5710	Chain0	39.53

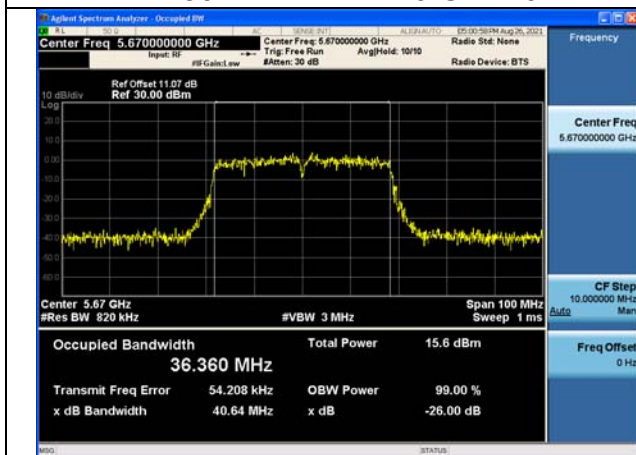
Test Mode:802. 11ac VHT40 Chain0



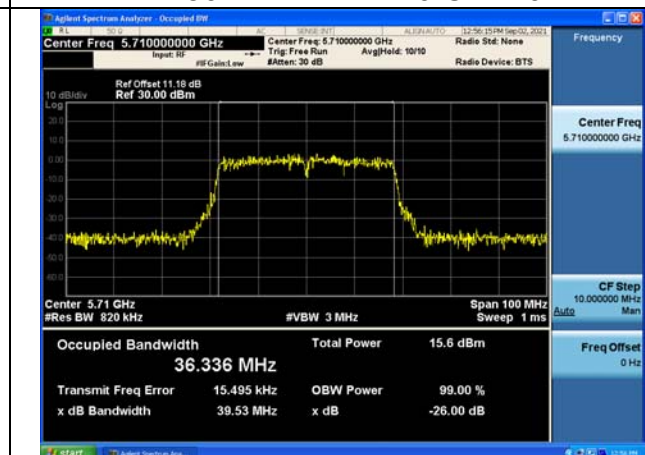
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0

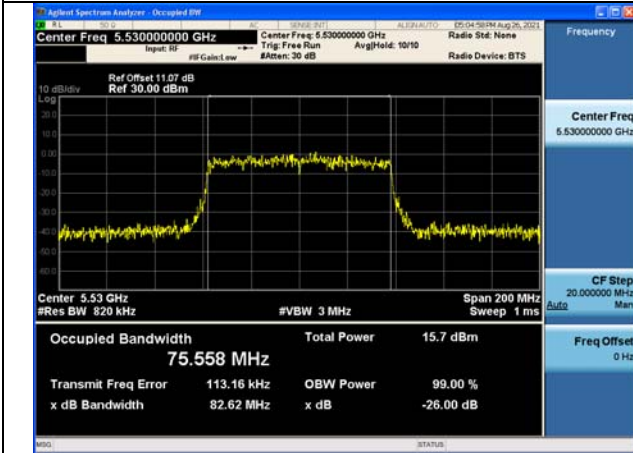




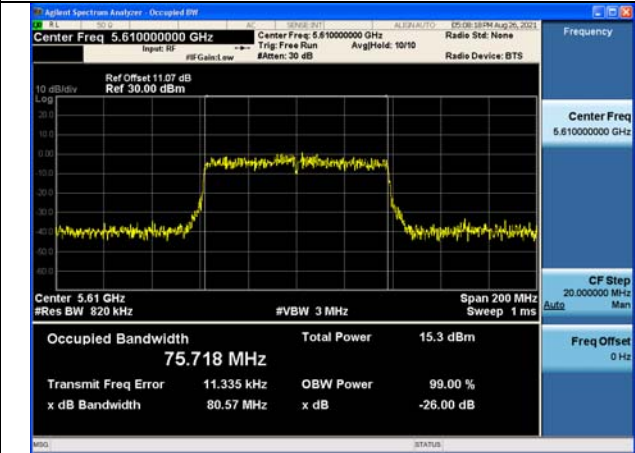
Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5530	Chain0	82.62
5610	Chain0	80.57
5690	Chain0	82.27

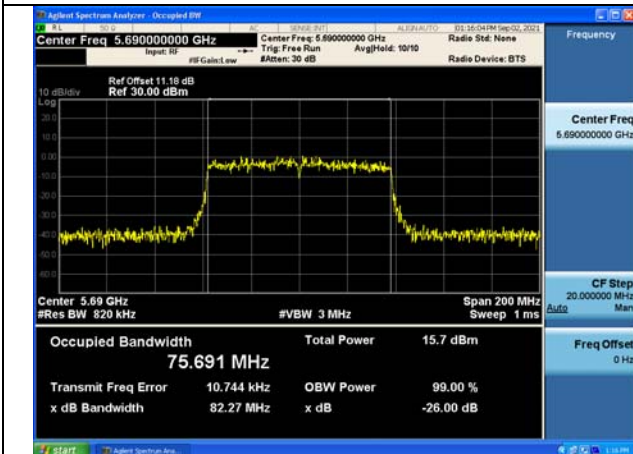
Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0



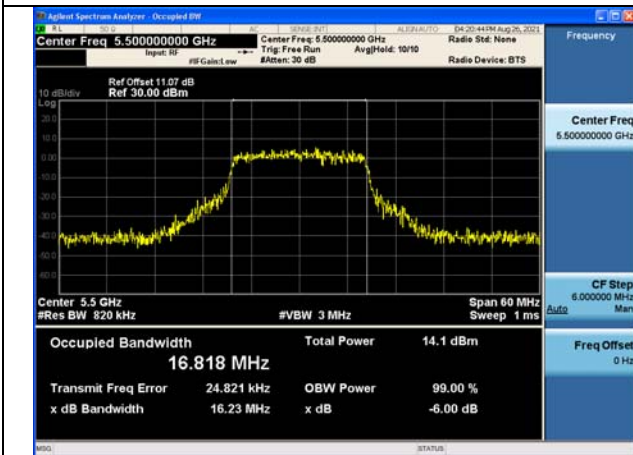
### Occupied Bandwidth

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

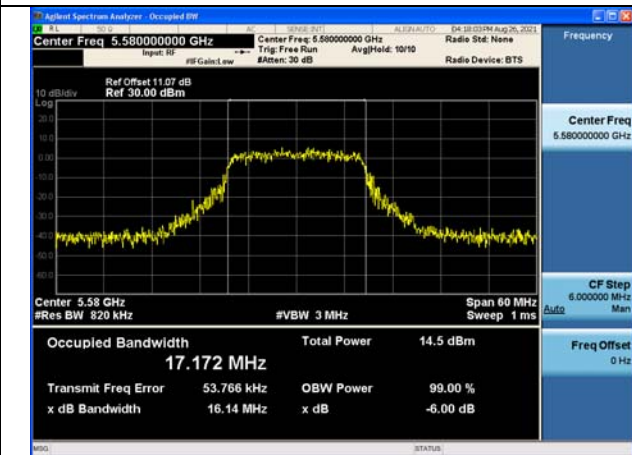
Test Mode:802.11a

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	16.818
5580	Chain0	17.172
5700	Chain0	16.910
5720	Chain0	16.938

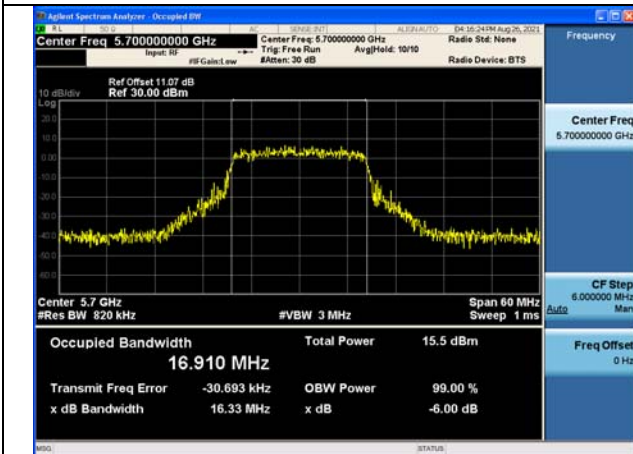
Test Mode:802.11a Chain0



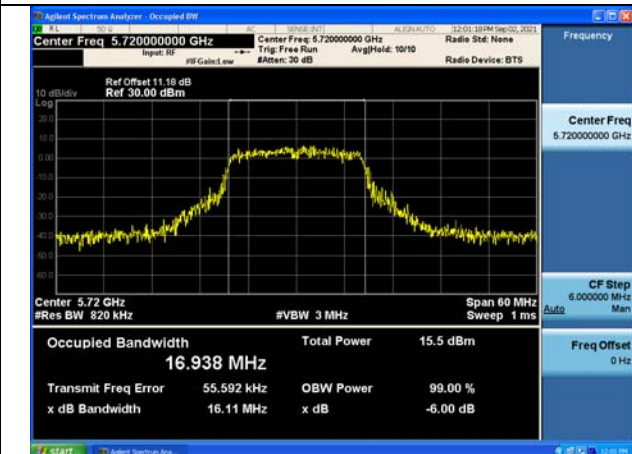
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain0





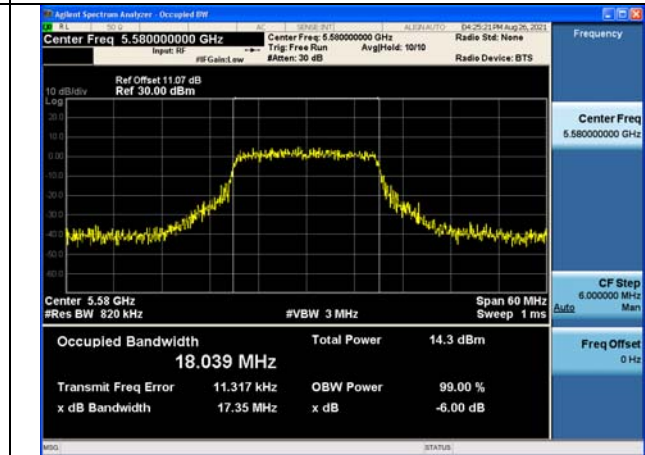
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	18.136
5580	Chain0	18.039
5700	Chain0	18.140
5720	Chain0	18.064

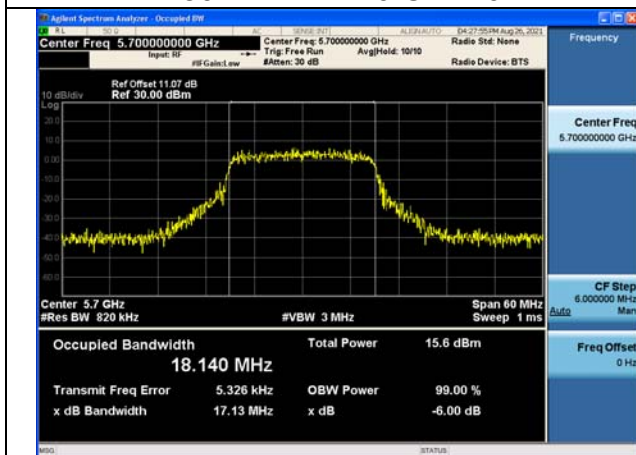
Test Mode:802. 11n HT20 Chain0



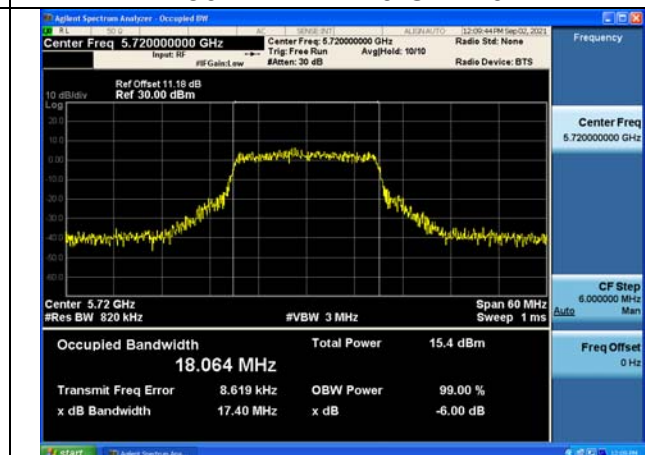
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



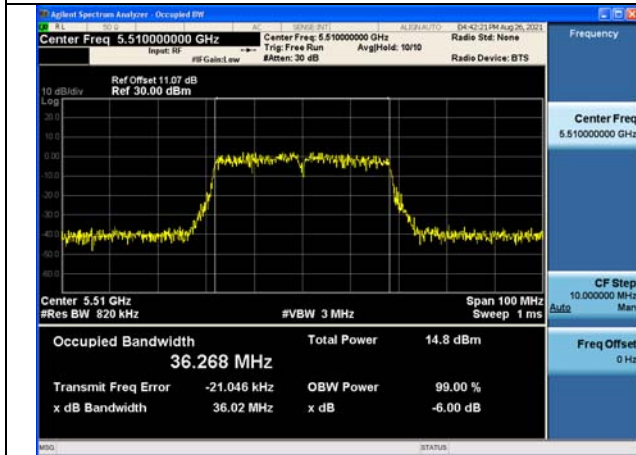
Test Mode:802. 11n HT20 Chain0



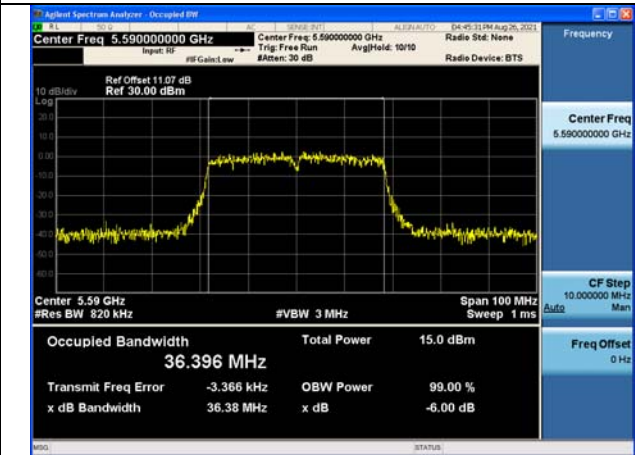
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5510	Chain0	36.268
5590	Chain0	36.396
5670	Chain0	36.379
5710	Chain0	36.300

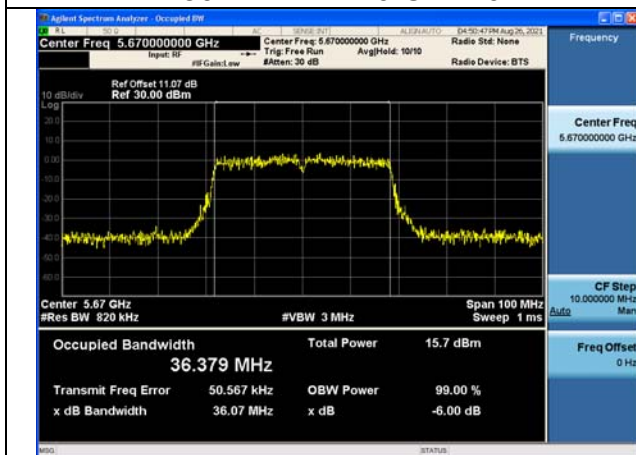
Test Mode:802. 11n HT40 Chain0



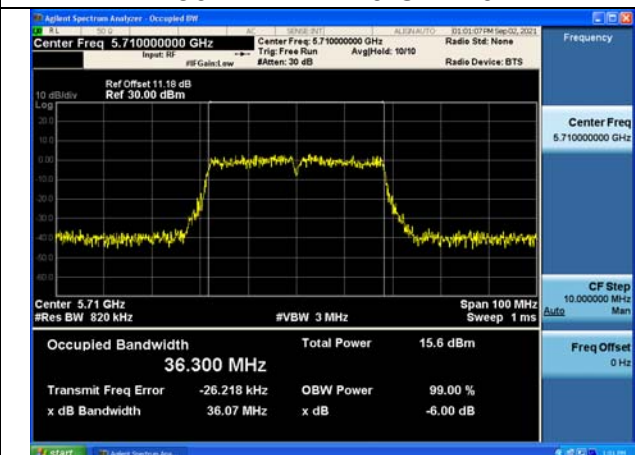
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



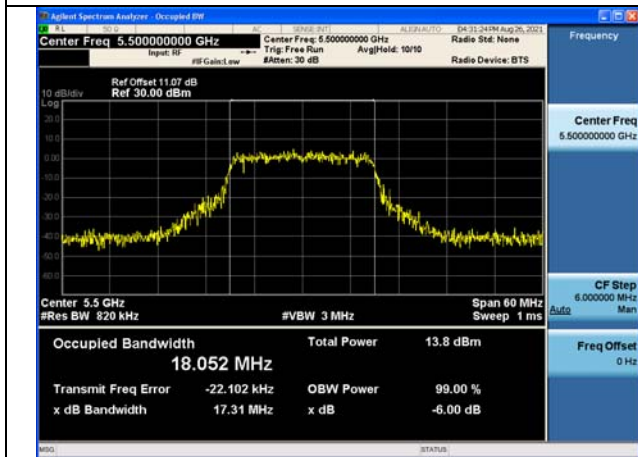
Test Mode:802. 11n HT40 Chain0



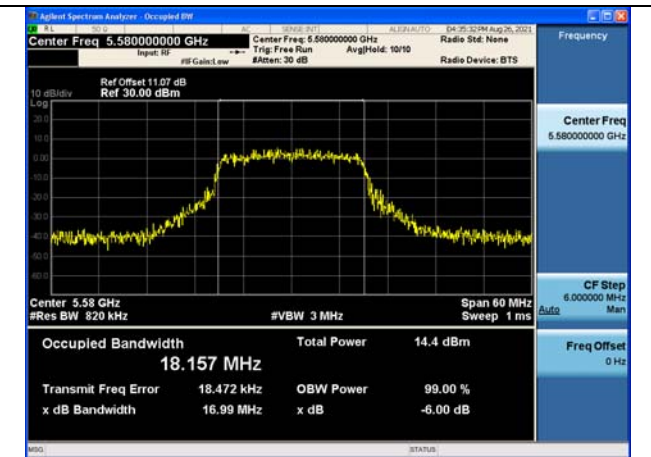
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	18.052
5580	Chain0	18.157
5700	Chain0	18.124
5720	Chain0	18.193

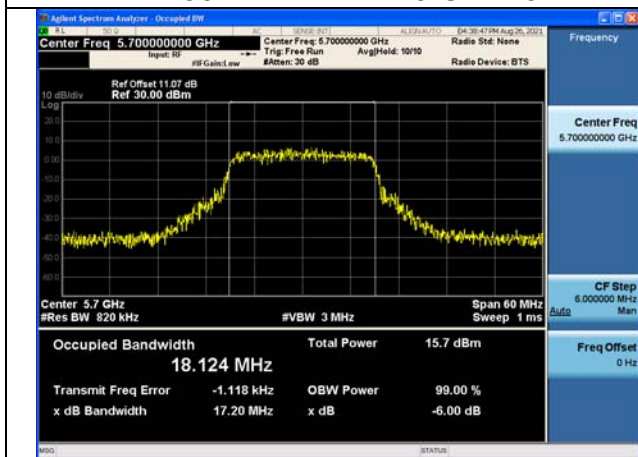
Test Mode:802. 11ac VHT20 Chain0



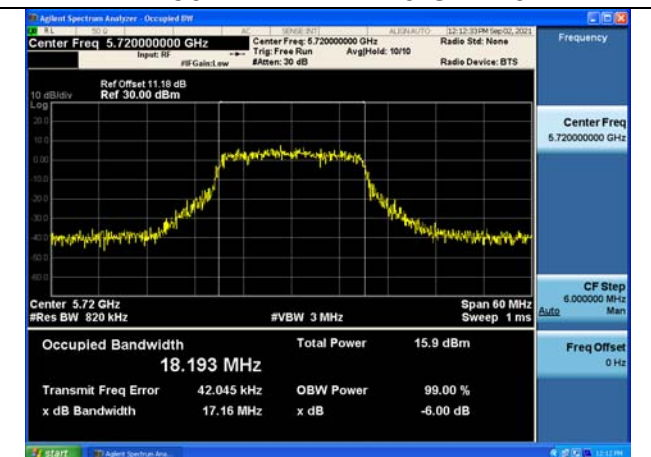
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



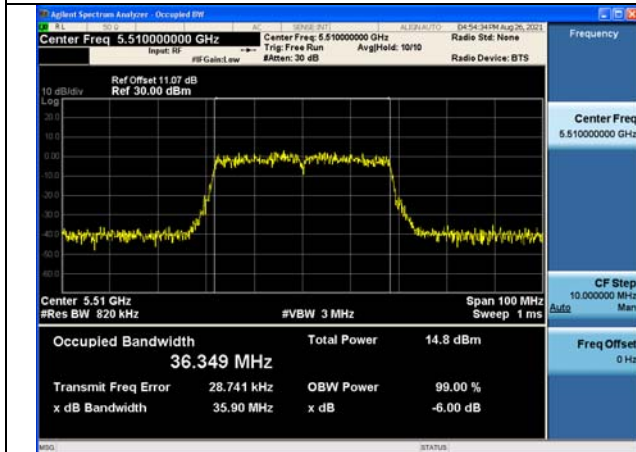
Test Mode:802. 11ac VHT20 Chain0



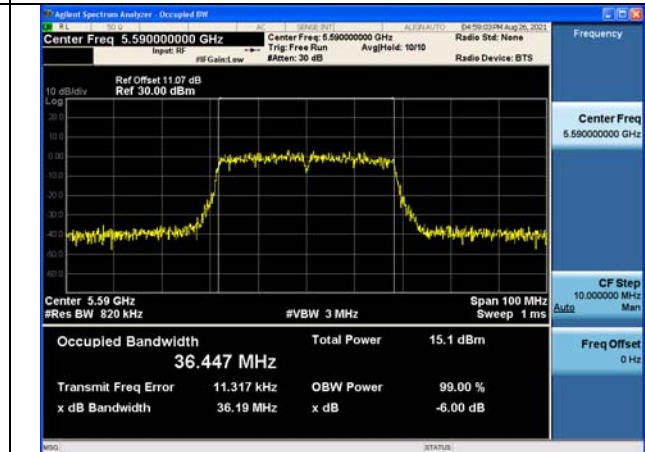
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5510	Chain0	36.349
5590	Chain0	36.447
5670	Chain0	36.384
5710	Chain0	36.350

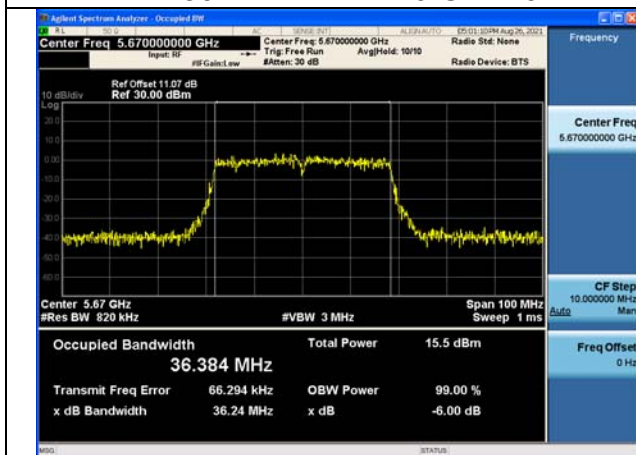
Test Mode:802. 11ac VHT40 Chain0



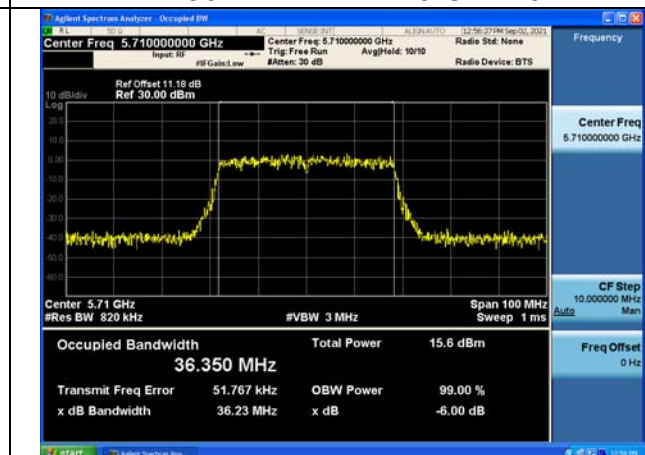
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0



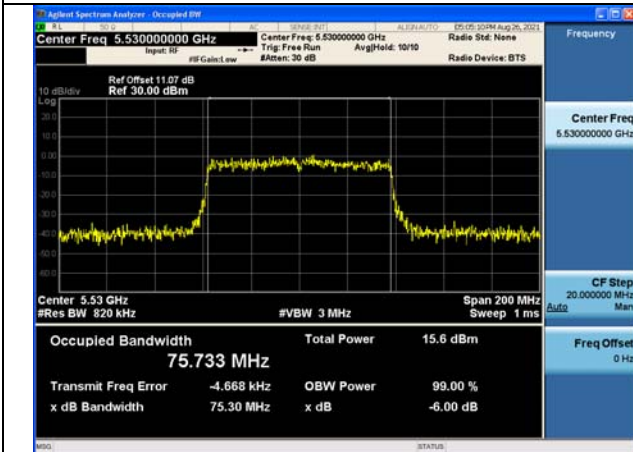
Test Mode:802. 11ac VHT40 Chain0



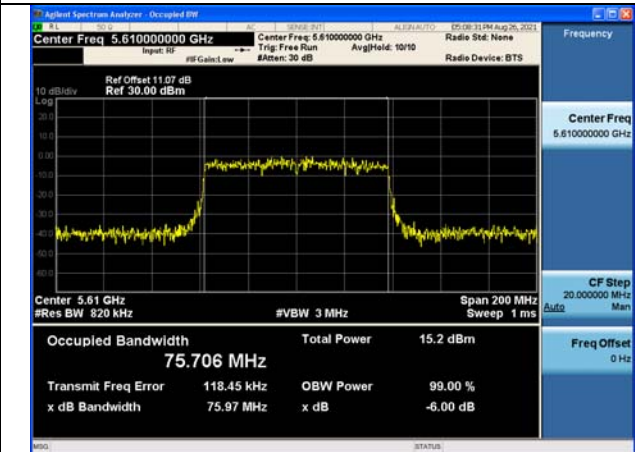
Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5530	Chain0	75.733
5610	Chain0	75.706
5690	Chain0	75.529

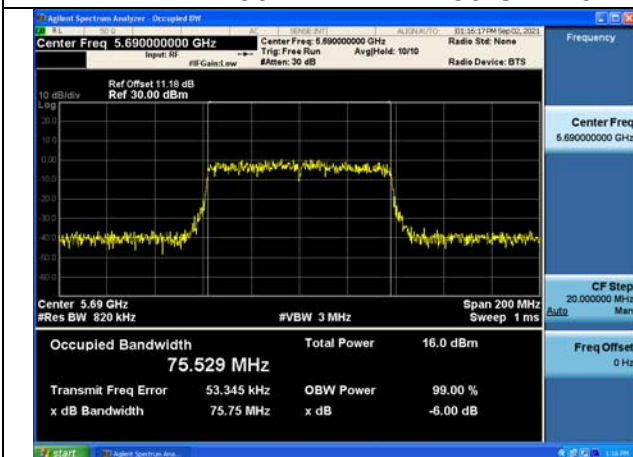
Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0





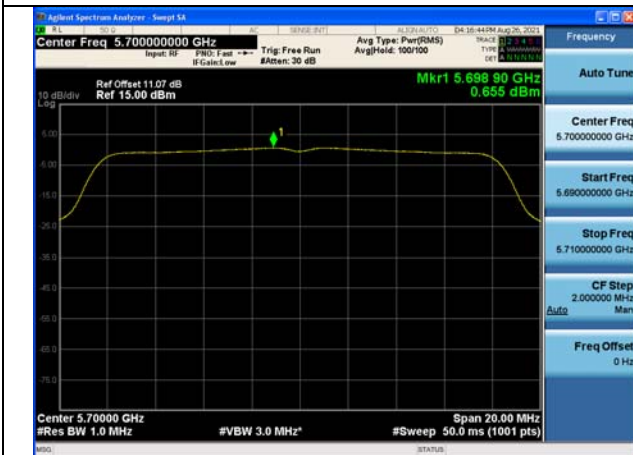
### Transmitter Power Spectral Density

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

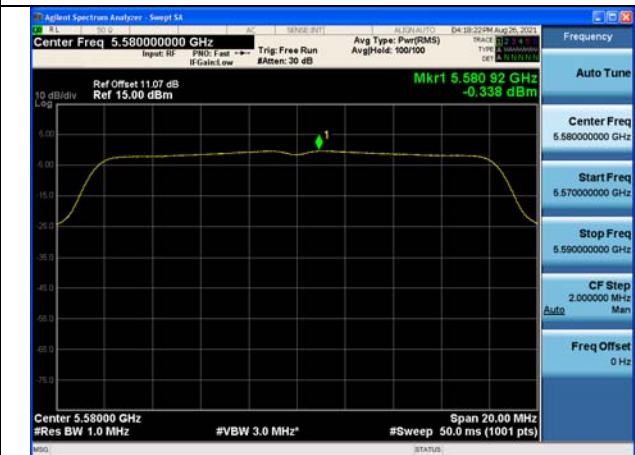
Test Mode:802.11a

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5500	0	Chain0	-0.900
5580		Chain0	-0.338
5700		Chain0	0.655
5720		Chain0	0.467

Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain0

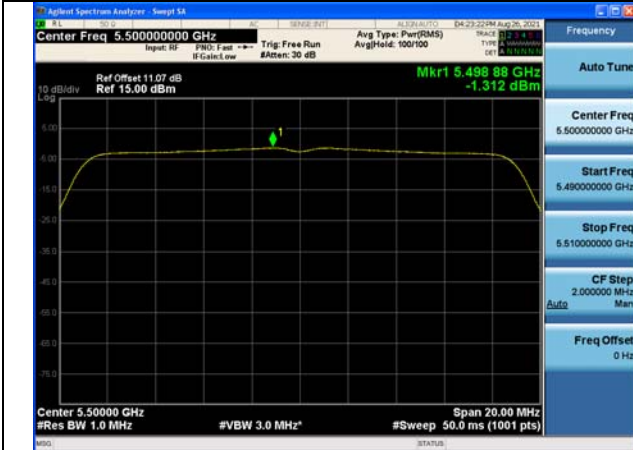




Test Mode:802. 11n HT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5500	0	Chain0	-1.312
5580		Chain0	-0.811
5700		Chain0	0.272
5720		Chain0	0.071

Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



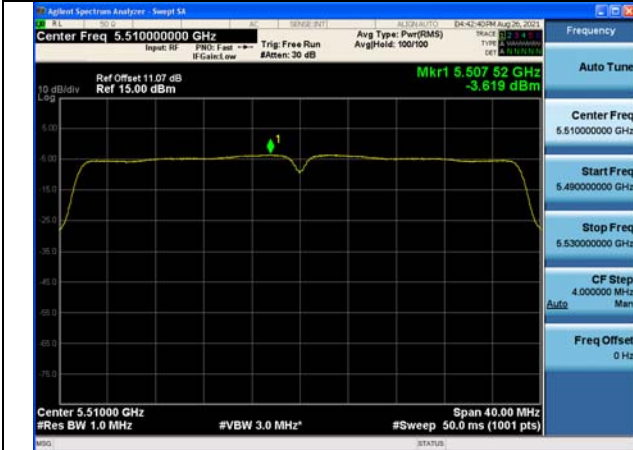
Test Mode:802. 11n HT20 Chain0



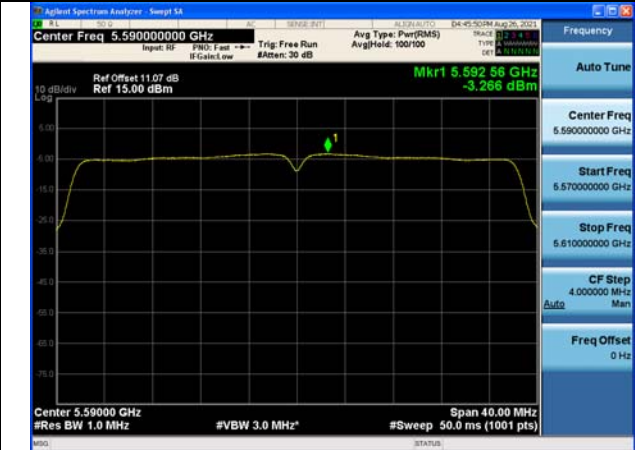
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5510	0	Chain0	-3.619
5590		Chain0	-3.266
5670		Chain0	-2.741
5710		Chain0	-2.725

Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



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)
5500	0	Chain0	-1.347
5580		Chain0	-0.752
5700		Chain0	0.285
5720		Chain0	0.531

Test Mode:802. 11ac VHT20 Chain0



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)
5510	0	Chain0	-3.547
5590		Chain0	-3.125
5670		Chain0	-2.668
5710		Chain0	-2.643

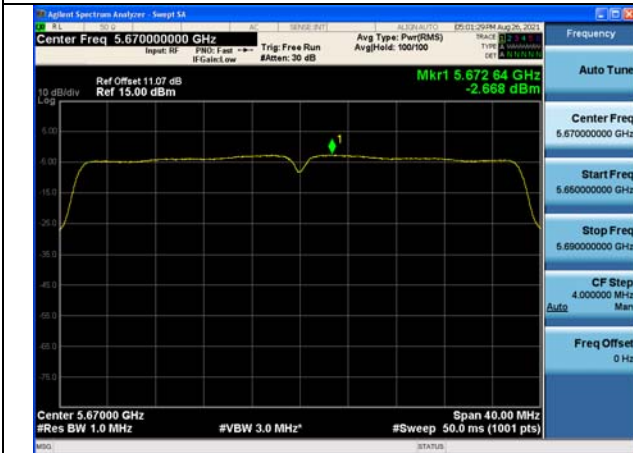
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0



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)
5530	0.09	Chain0	-6.696
5610		Chain0	-6.906
5690	0.09	Chain0	-5.702

Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0

