APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5500	99.47%	0
802. 11n HT20	5500	99.43%	0
802. 11n HT40	5510	98.99%	0
802. 11ac VHT20	5500	99.49%	0
802. 11ac VHT40	5510	98.99%	0
802. 11ac VHT80	5530	97.93%	0.09

Output Power

NII2C

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conductedaverage power output(dBm)	EIRP (dBm)
802.11a	NA	5500	Chain0	11.43	10.93
		5580	Chain0	11.69	11.19
		5700	Chain0	11.81	11.31
802.11n20M		5500	Chain0	11.40	10.90
		5580	Chain0	11.50	11.00
		5700	Chain0	11.62	11.12
802.11n40M		5510	Chain0	11.51	11.01
		5590	Chain0	11.73	11.23
		5670	Chain0	11.57	11.07
802.11ac20M		5500	Chain0	11.48	10.98
		5580	Chain0	11.54	11.04
		5700	Chain0	11.59	11.09
802.11ac40M		5510	Chain0	11.63	11.13
		5590	Chain0	11.69	11.19
		5670	Chain0	11.56	11.06
802.11ac80M		5530	Chain0	11.60	11.10
		5610	Chain0	11.82	11.32

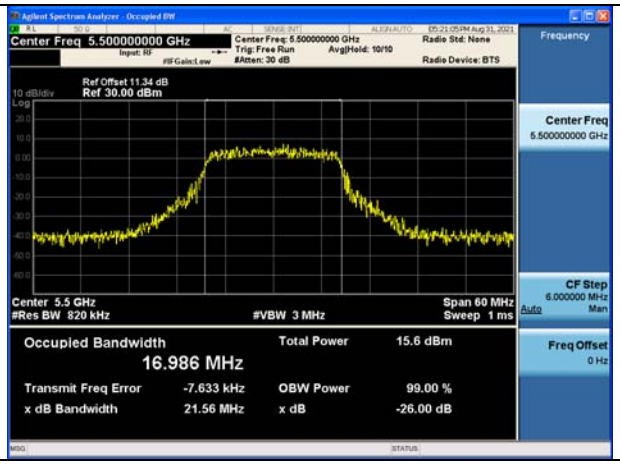
Emission Bandwidth

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

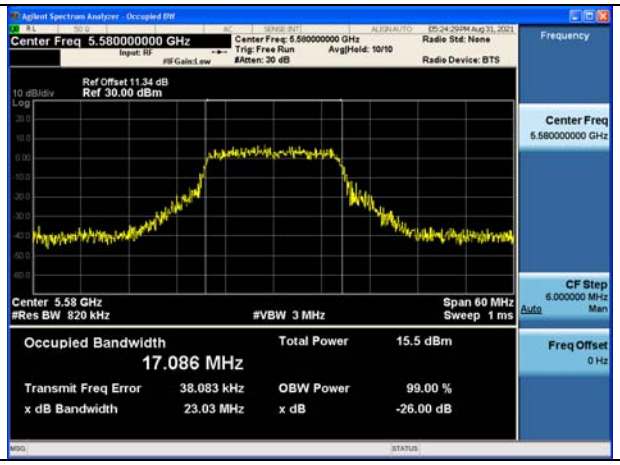
Test Mode:802.11a

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	21.56
5580	Chain0	23.03
5700	Chain0	23.23

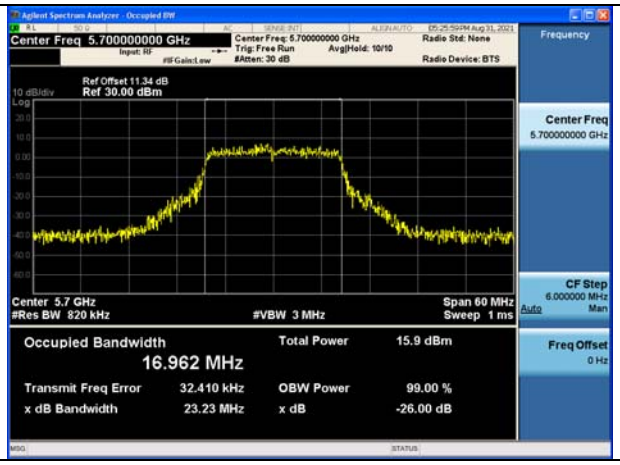
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



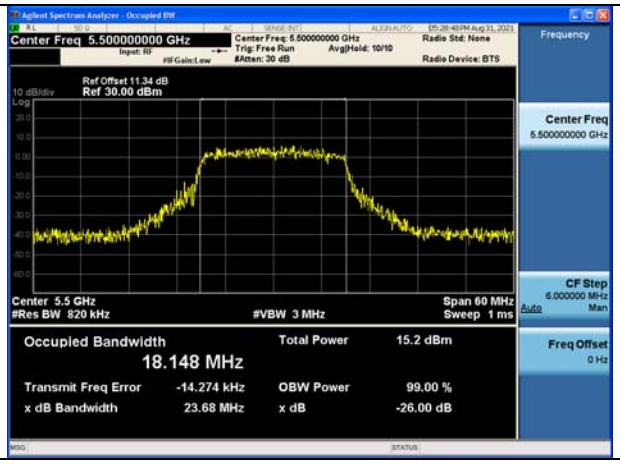
Test Mode:802.11a Chain0



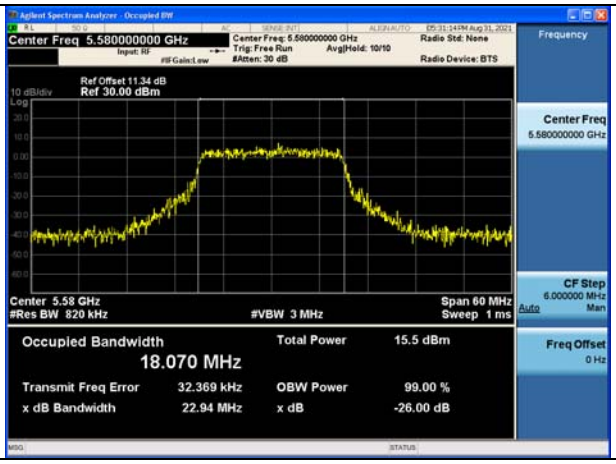
Test Mode:802. 11n HT20

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	23.68
5580	Chain0	22.94
5700	Chain0	22.74

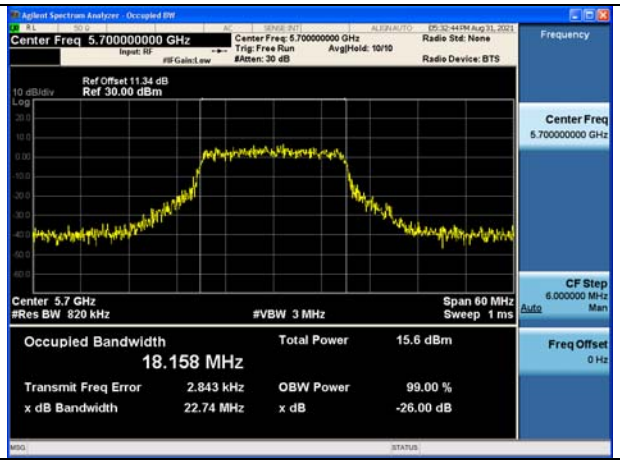
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



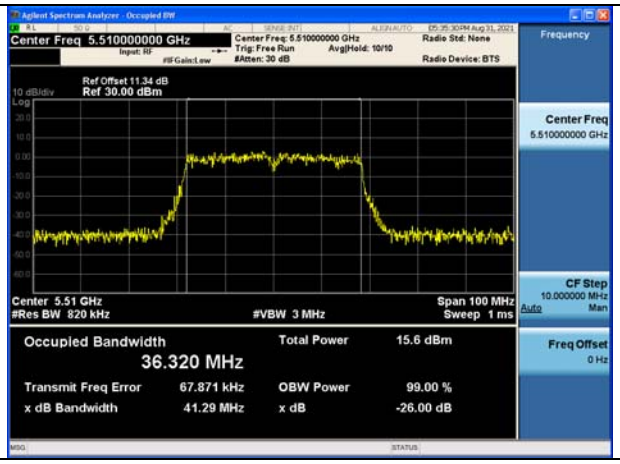
Test Mode:802. 11n HT20 Chain0



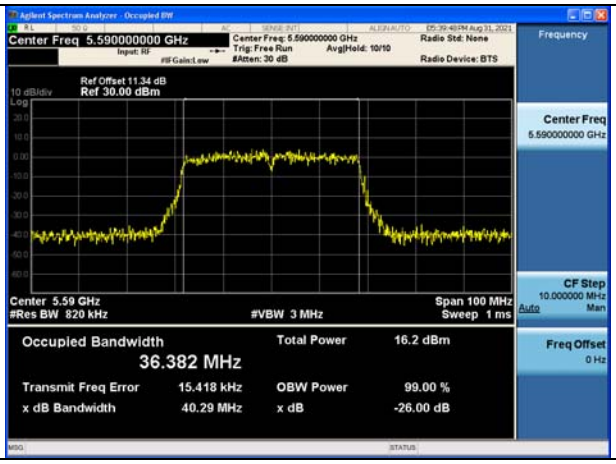
Test Mode:802. 11n HT40

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	41.29
5590	Chain0	40.29
5670	Chain0	40.23

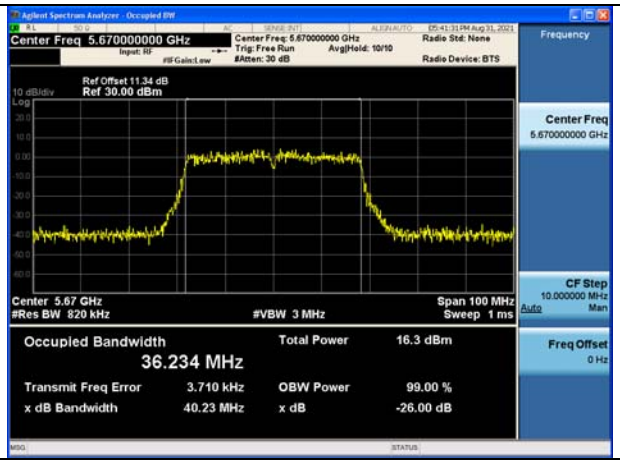
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



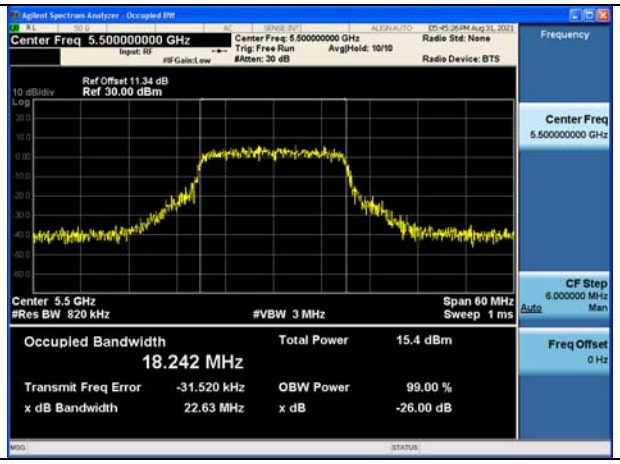
Test Mode:802. 11n HT40 Chain0



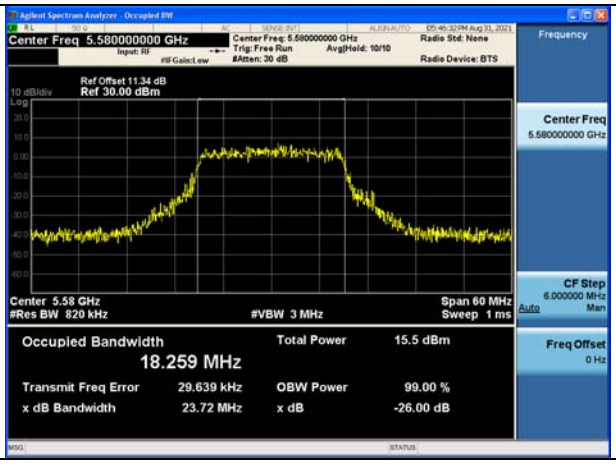
Test Mode:802. 11ac VHT20

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	22.63
5580	Chain0	23.72
5700	Chain0	24.15

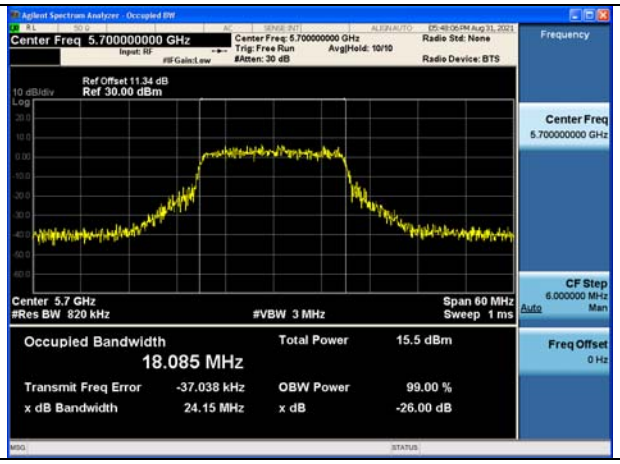
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



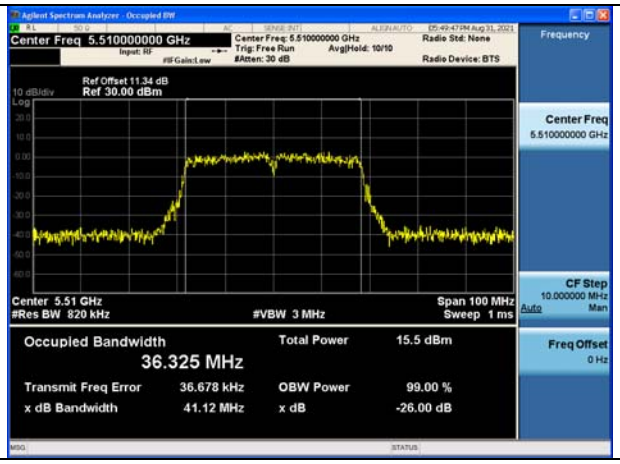
Test Mode:802. 11ac VHT20 Chain0



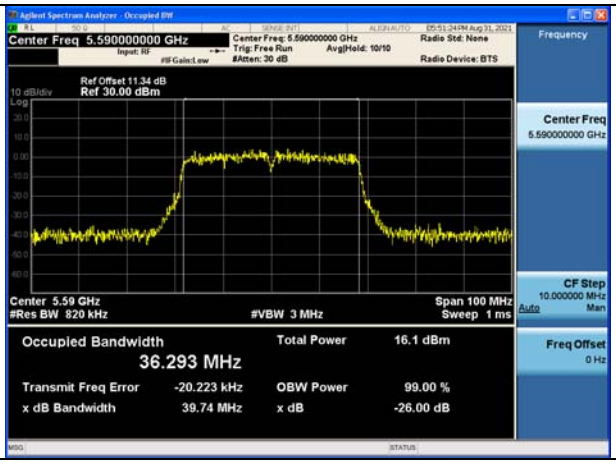
Test Mode:802. 11ac VHT40

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	41.12
5590	Chain0	39.74
5670	Chain0	40.72

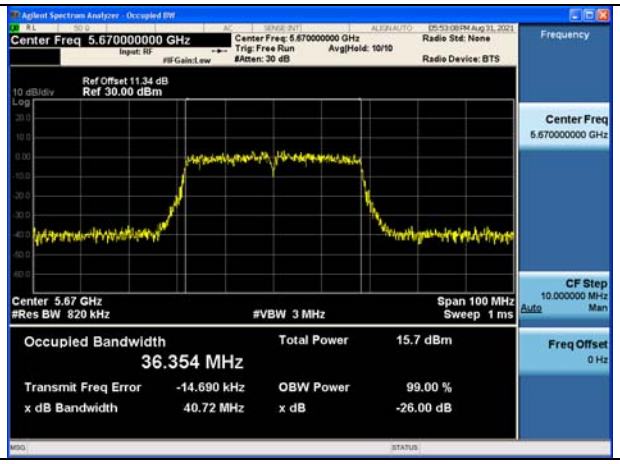
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0



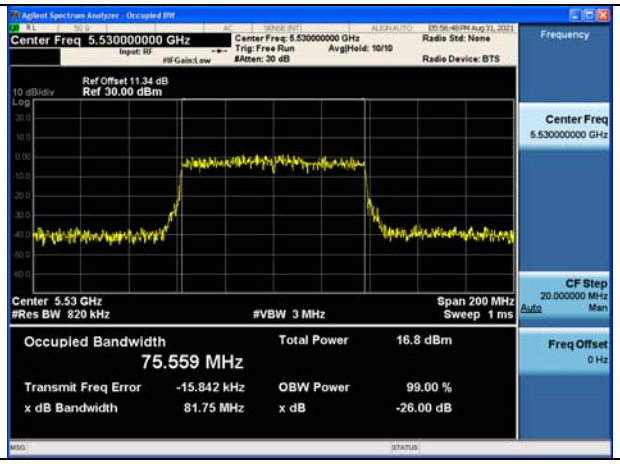
Test Mode:802. 11ac VHT40 Chain0



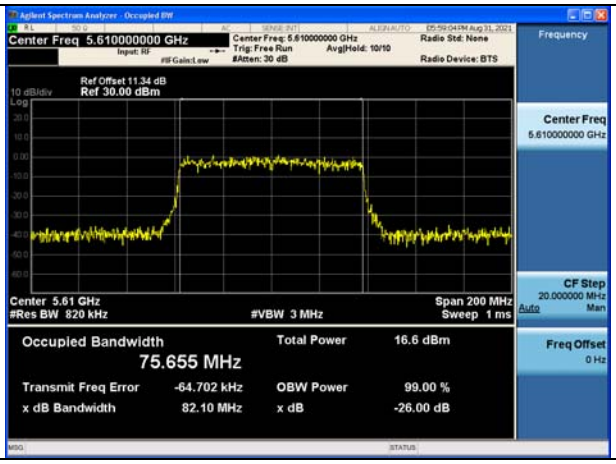
Test Mode:802. 11ac VHT80

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5530	Chain0	81.75
5610	Chain0	82.10

Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0



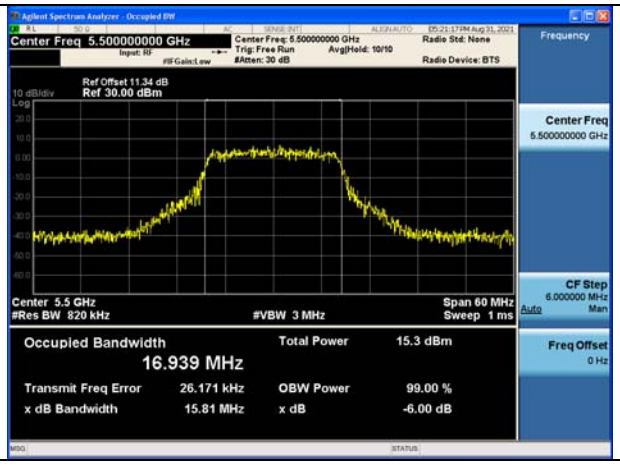
Occupied Bandwidth

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

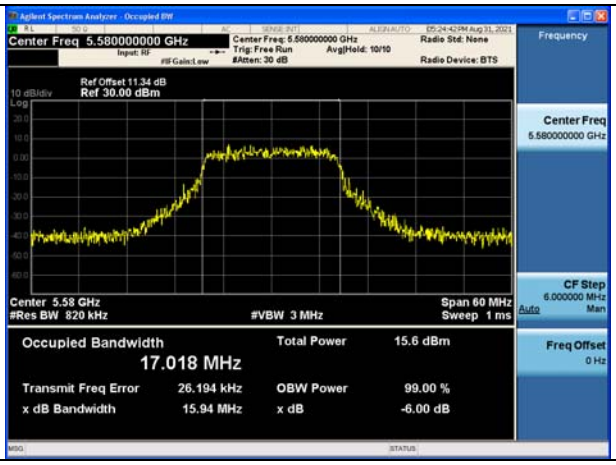
Test Mode:802.11a

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	16.939
5580	Chain0	17.018
5700	Chain0	17.101

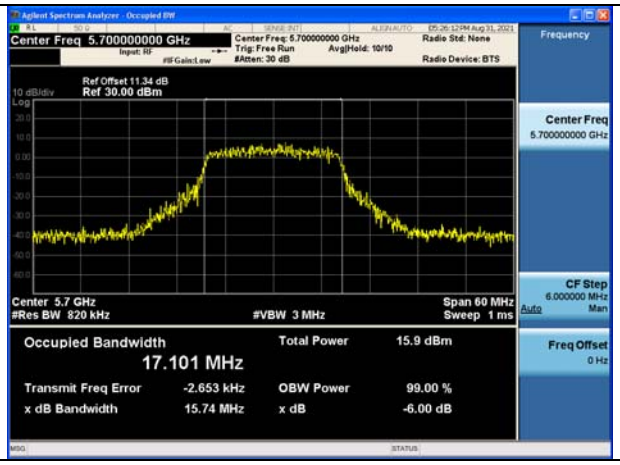
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



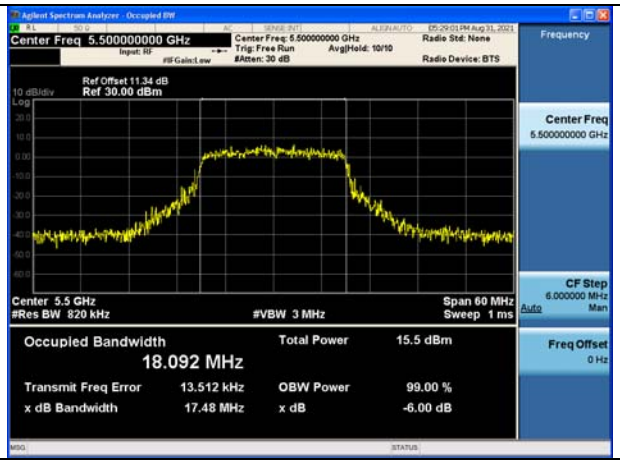
Test Mode:802.11a Chain0



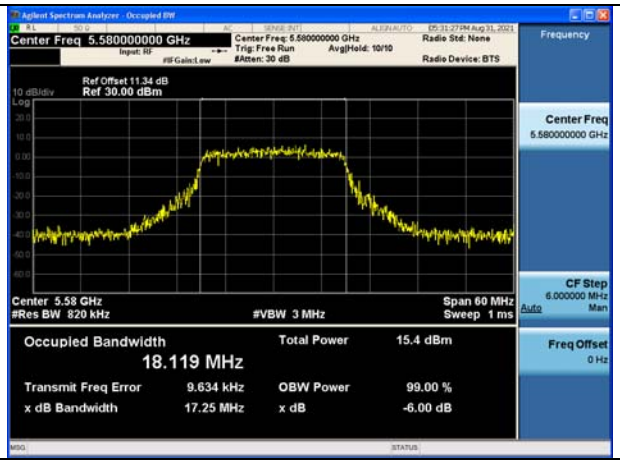
Test Mode:802. 11n HT20

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	18.092
5580	Chain0	18.119
5700	Chain0	18.109

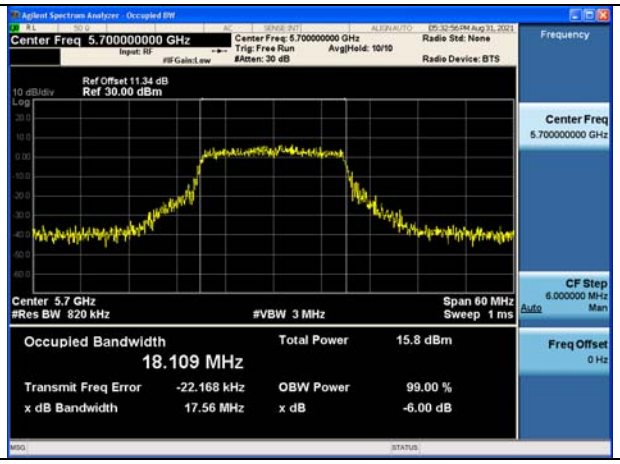
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



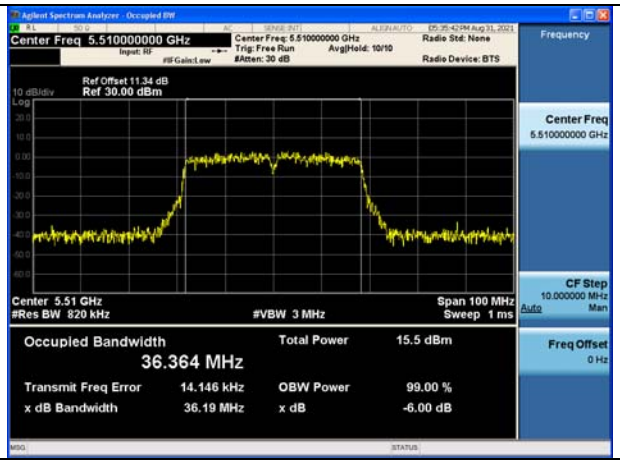
Test Mode:802. 11n HT20 Chain0



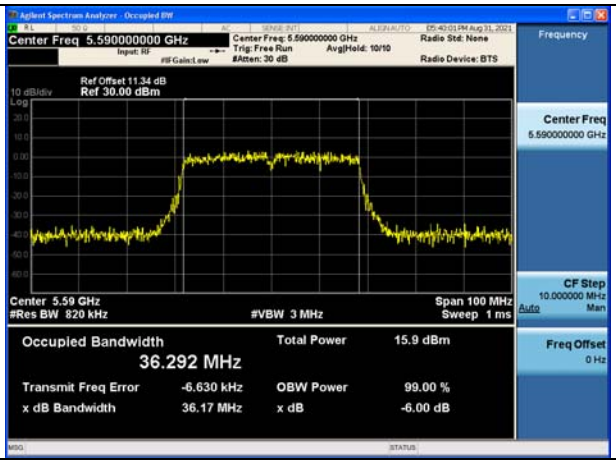
Test Mode:802. 11n HT40

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5510	Chain0	36.364
5590	Chain0	36.292
5670	Chain0	36.282

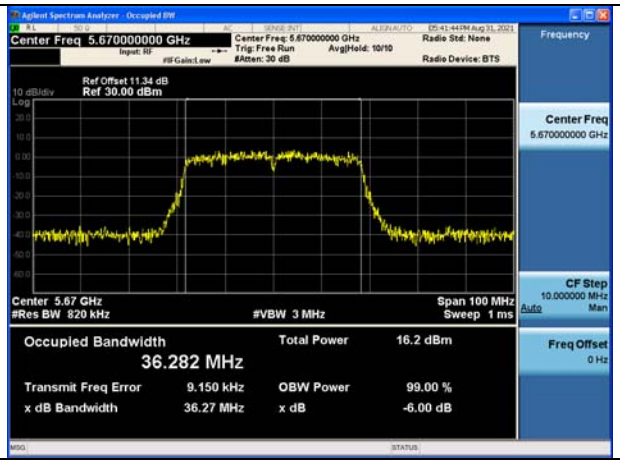
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



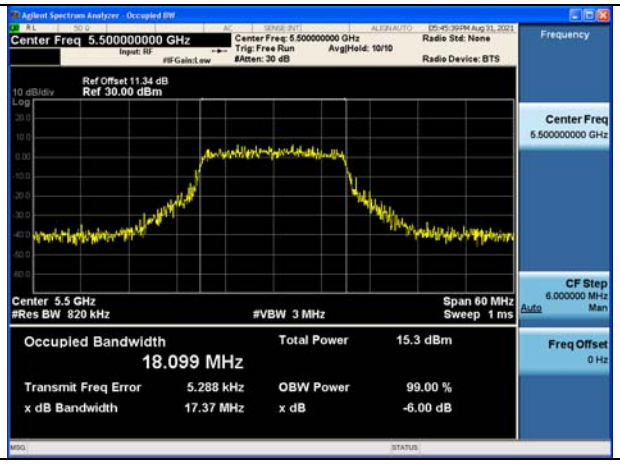
Test Mode:802. 11n HT40 Chain0



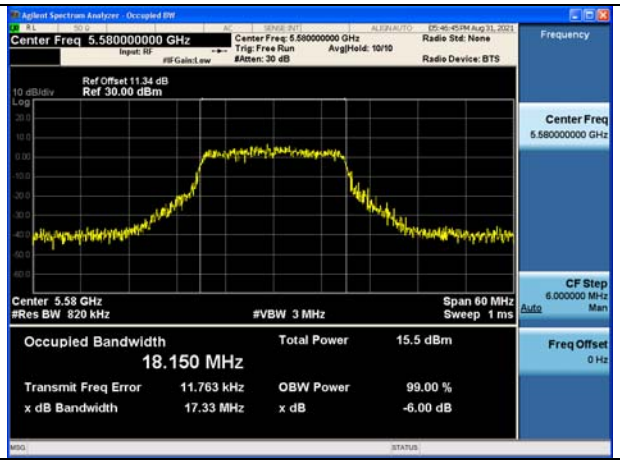
Test Mode:802. 11ac VHT20

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	18.099
5580	Chain0	18.150
5700	Chain0	18.072

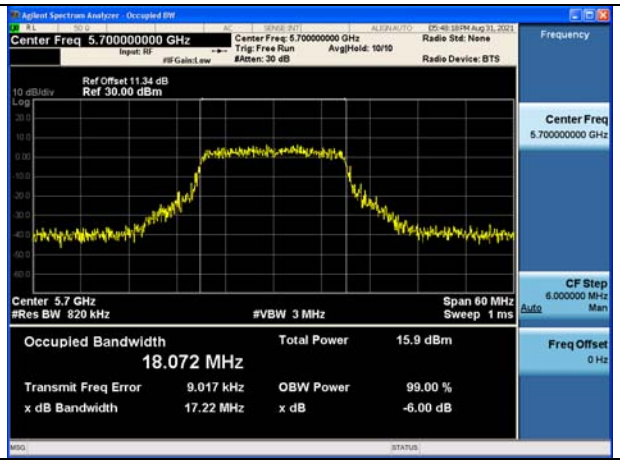
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



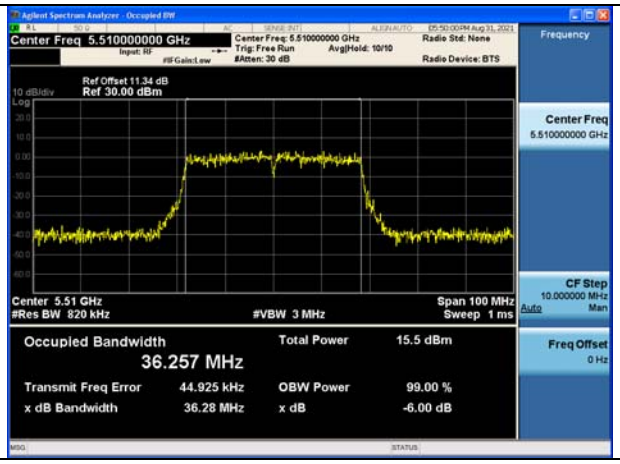
Test Mode:802. 11ac VHT20 Chain0



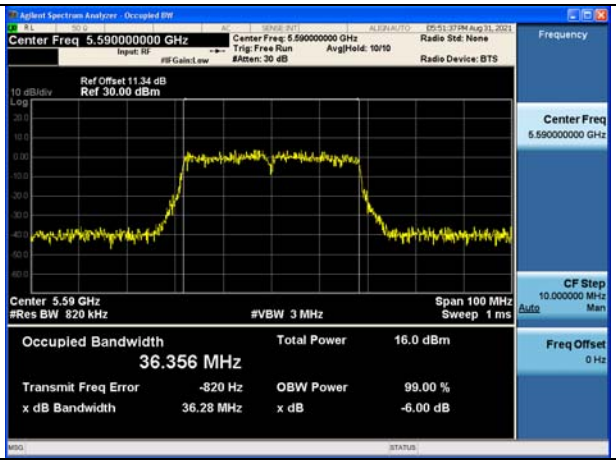
Test Mode:802. 11ac VHT40

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5510	Chain0	36.257
5590	Chain0	36.356
5670	Chain0	36.311

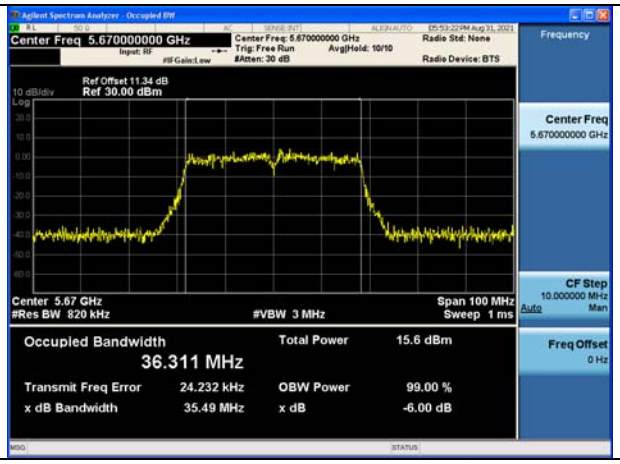
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain0



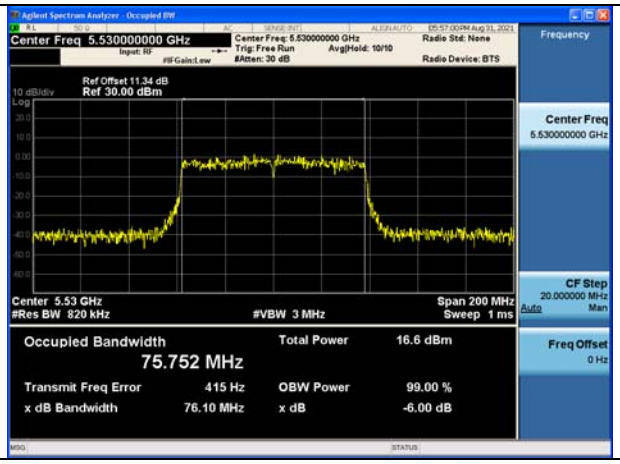
Test Mode:802. 11ac VHT40 Chain0



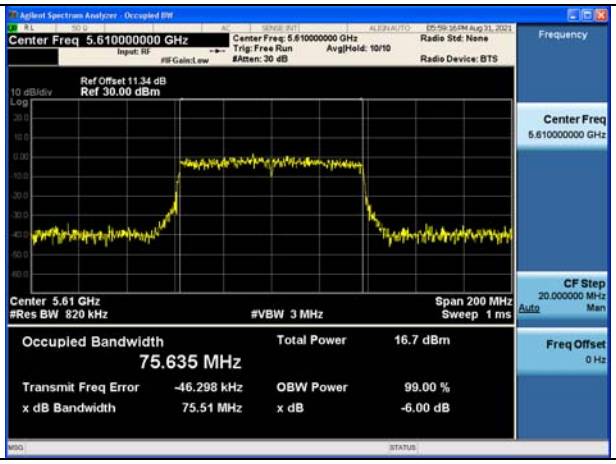
Test Mode:802. 11ac VHT80

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5530	Chain0	75.752
5610	Chain0	75.635

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	0.577
5580		Chain0	0.707
5700		Chain0	0.946

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	0.026
5580		Chain0	0.335
5700		Chain0	0.543

Test Mode:802. 11n HT20 Chain0

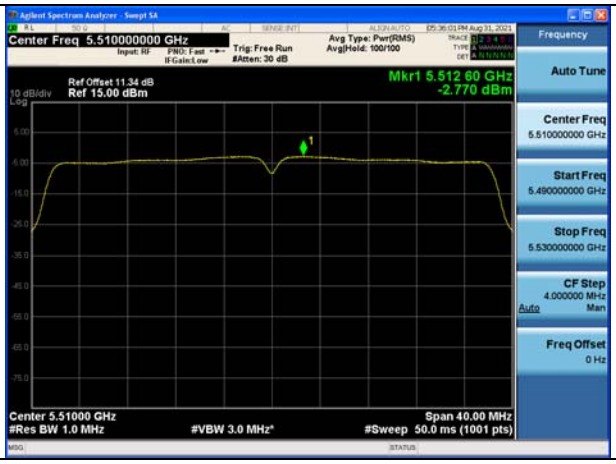
Test Mode:802. 11n HT20 Chain0

Test Mode:802. 11n HT20 Chain0

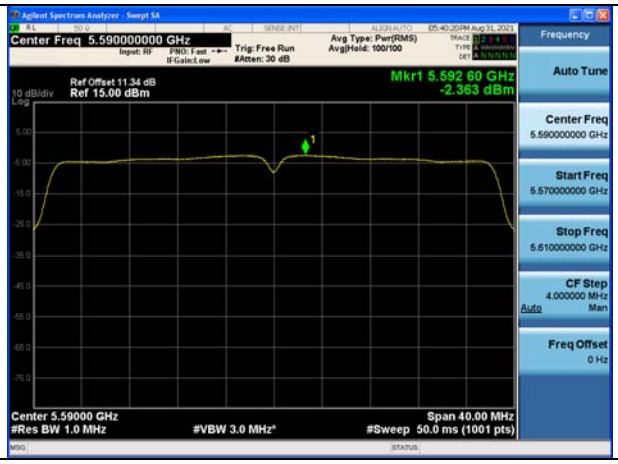
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5510	0	Chain0	-2.77
5590		Chain0	-2.363
5670		Chain0	-2.061

Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0

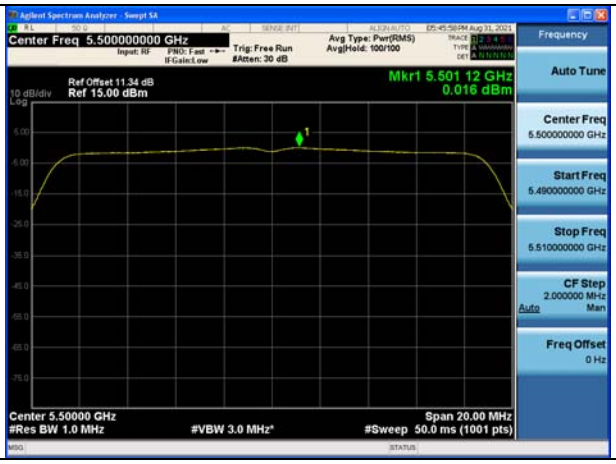


Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11ac VHT20

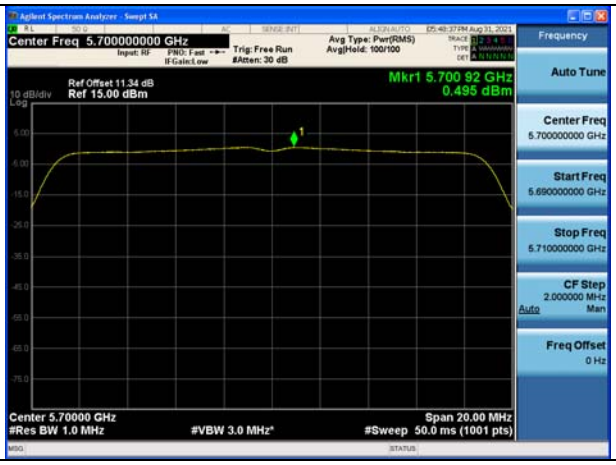
Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5500	0	Chain0	0.016
5580		Chain0	0.34
5700		Chain0	0.495

Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain0

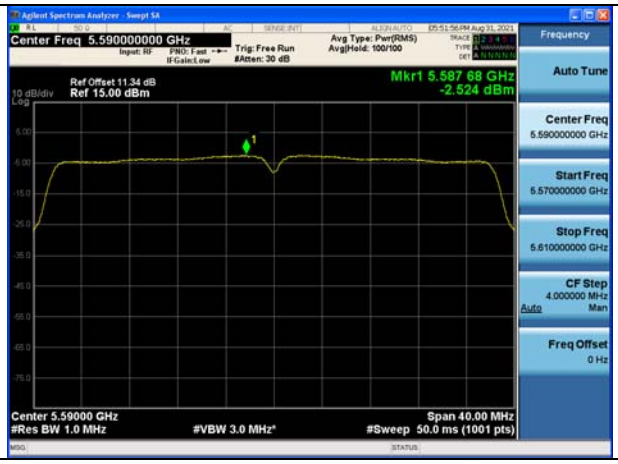


Test Mode:802. 11ac VHT40

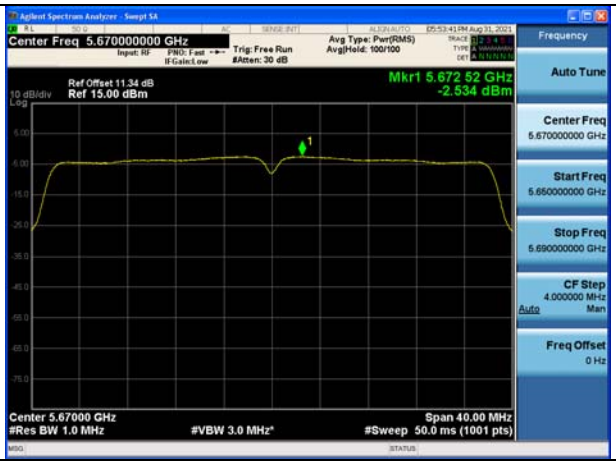
Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5510	0	Chain0	-2.82
5590		Chain0	-2.524
5670		Chain0	-2.534

Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain0

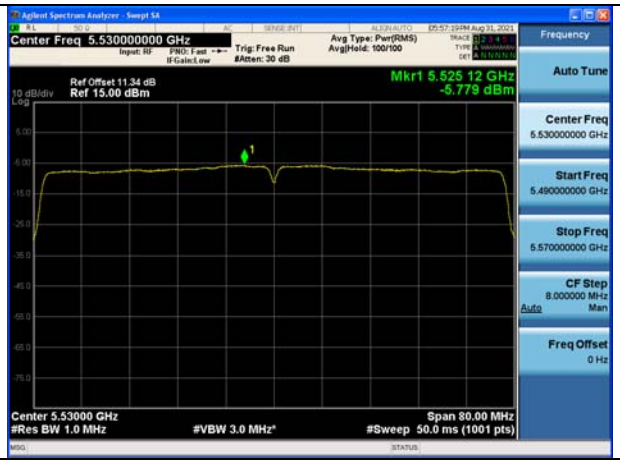
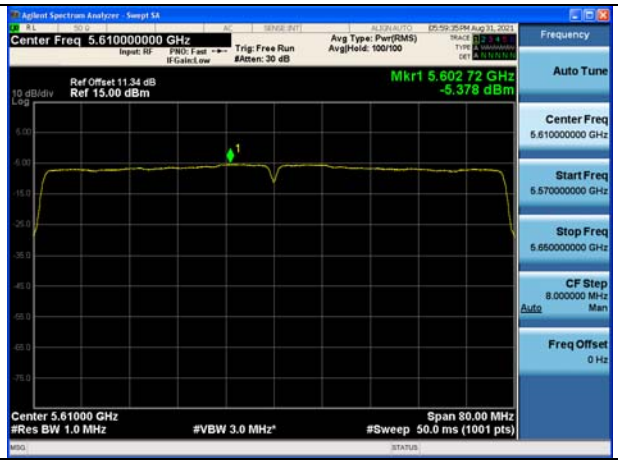


Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5530	0.09	Chain0	-5.689
5610		Chain0	-5.288

Test Mode:802. 11ac VHT80 Chain0	Test Mode:802. 11ac VHT80 Chain0
	

Output Power

NII2C

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5720	Chain0	11.74	11.24
802.11n20M			Chain0	11.55	11.05
802.11n40M		5710	Chain0	11.57	11.07
802.11ac20M		5720	Chain0	11.53	11.03
802.11ac40M		5710	Chain0	11.62	11.12
802.11ac80M		5690	Chain0	11.42	10.92

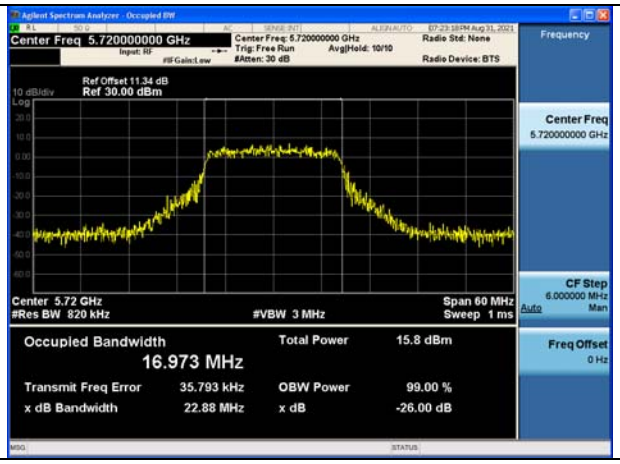
Emission Bandwidth

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)
5720	Chain0	22.88

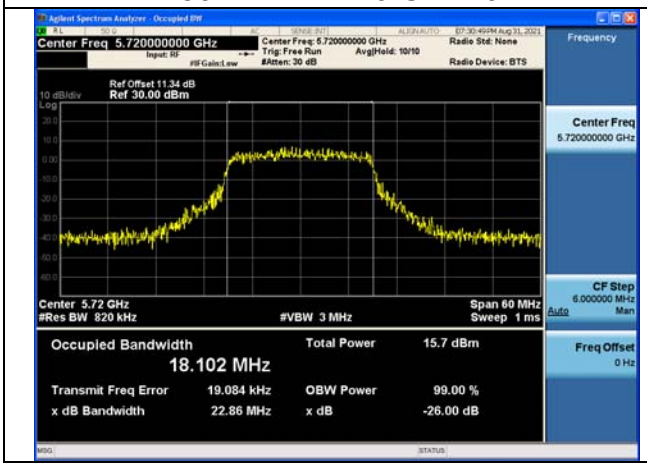
Test Mode:802.11a Chain0



Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5720	Chain0	22.86

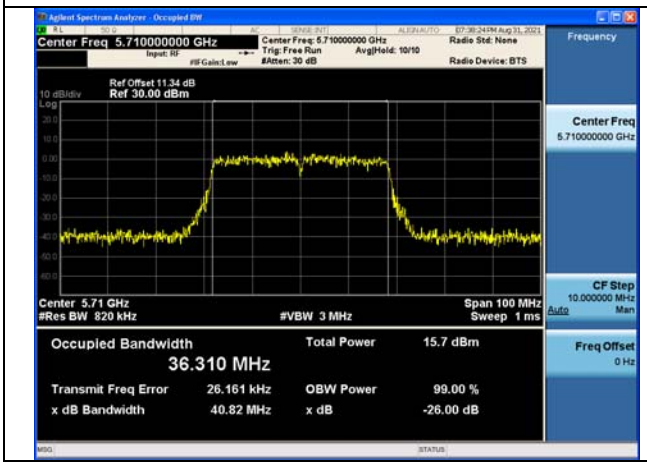
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5710	Chain0	40.82

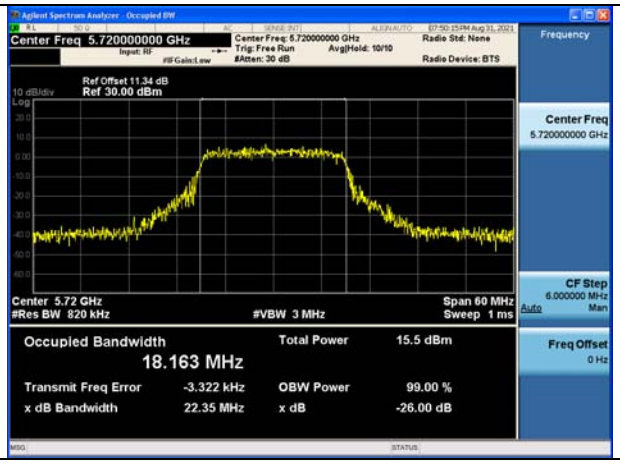
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5720	Chain0	22.35

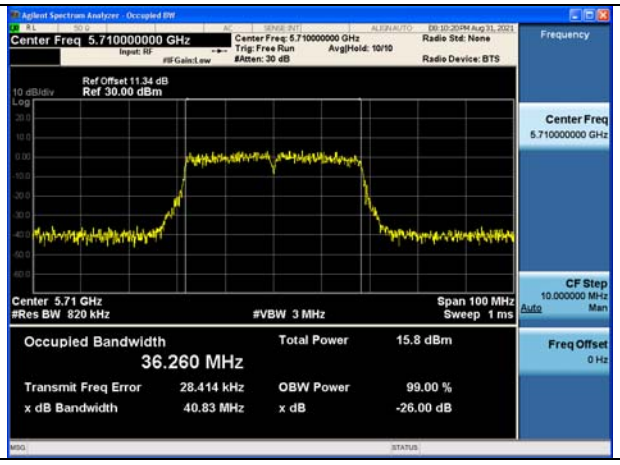
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5710	Chain0	40.83

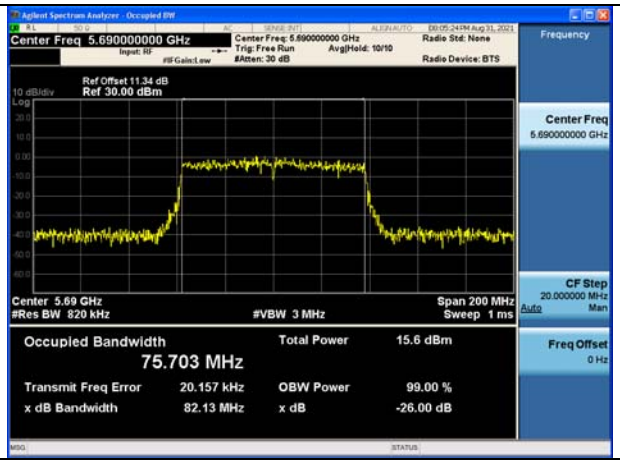
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5690	Chain0	82.13

Test Mode:802. 11ac VHT80 Chain0



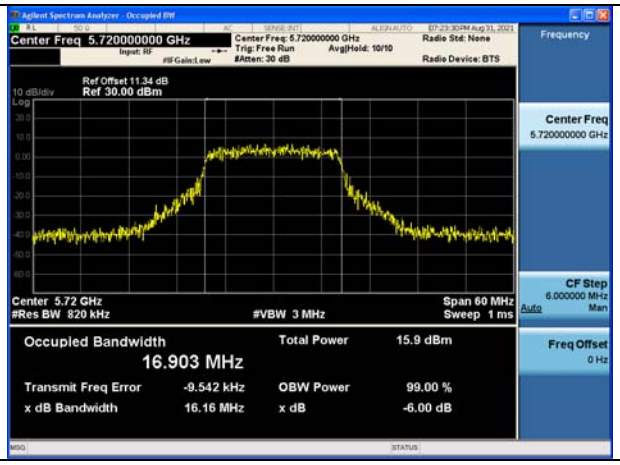
Occupied Bandwidth

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)
5720	Chain0	16.903

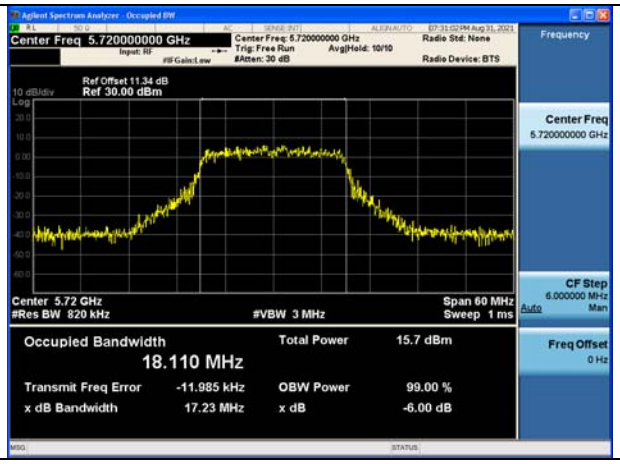
Test Mode:802.11a Chain0



Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5720	Chain0	18.110

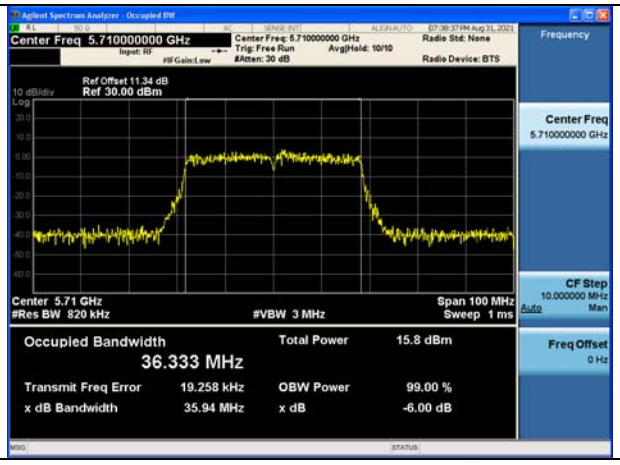
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5710	Chain0	36.333

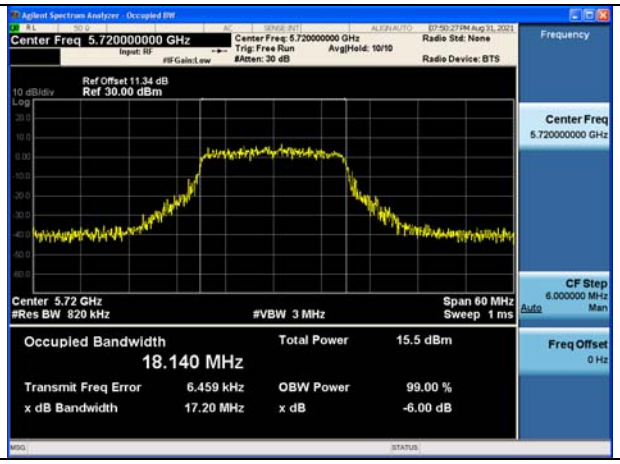
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5720	Chain0	18.140

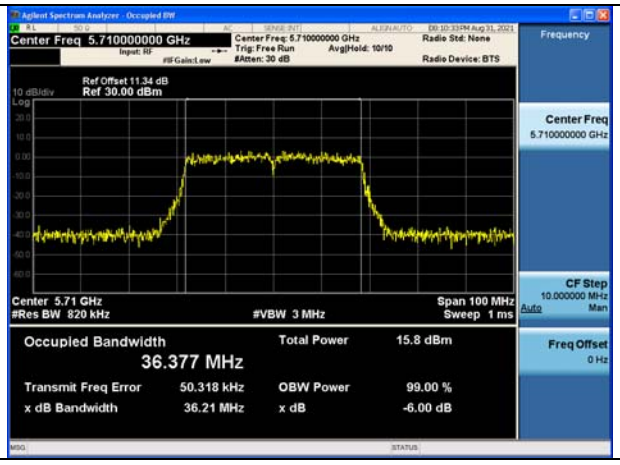
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5710	Chain0	36.377

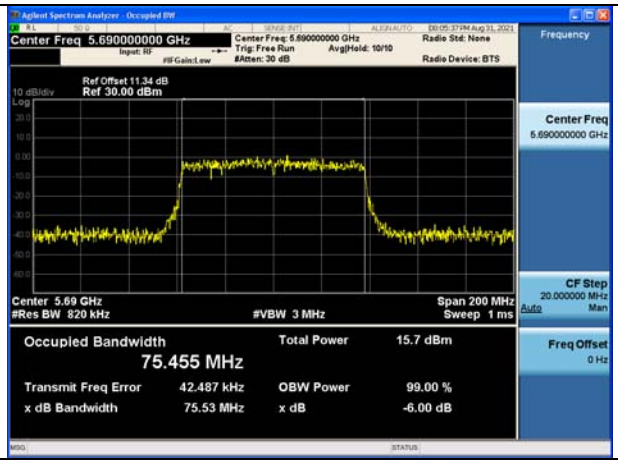
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5690	Chain0	75.455

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)
5720	0	Chain0	0.923

Test Mode:802.11a Chain0

Test Mode:802. 11n HT20

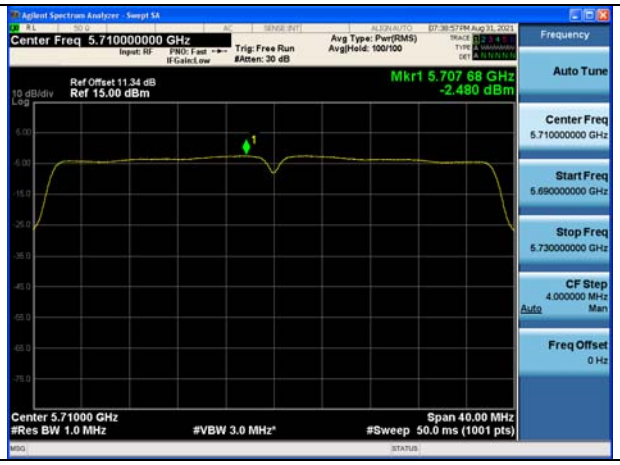
Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5720	0	Chain0	0.54

Test Mode:802. 11n HT20 Chain0

Test Mode:802. 11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5710	0	Chain0	-2.48

Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT20

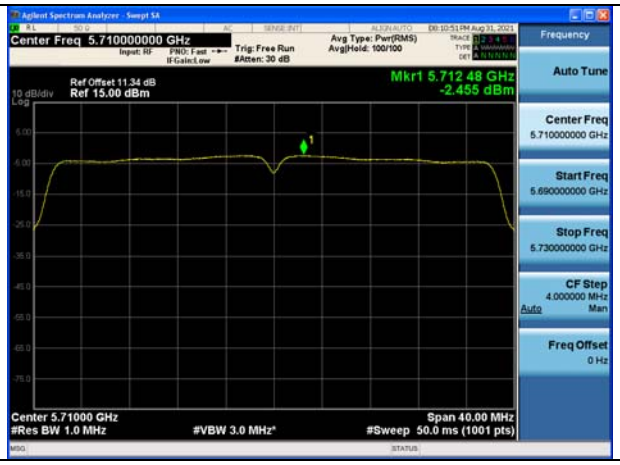
Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5720	0	Chain0	0.422

Test Mode:802. 11ac VHT20 Chain0

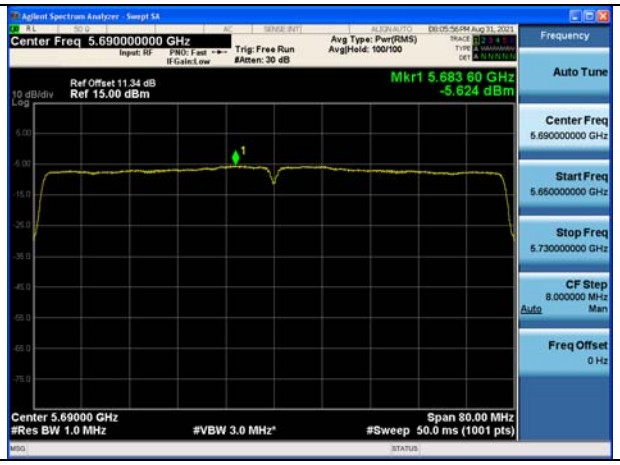
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5710	0	Chain0	-2.455

Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5690	0	Chain0	-5.624

Test Mode:802. 11ac VHT80 Chain0