

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5260	82.96%	0.81
802. 11n HT20	5260	89.33%	0.49
802. 11n HT40	5270	64.01%	1.94
802. 11ac VHT20	5260	80.39%	0.95
802. 11ac VHT40	5270	80.80%	0.93
802. 11ac VHT80	5290	40.07%	3.97

**Output Power
NII2A**

Mode	Freq (MHz)	Chain	Conducted average power output(dBm)
802.11a	5260	Chain0	12.90
	5280	Chain0	12.90
	5320	Chain0	12.50
802.11n20M	5260	Chain0	13.50
	5280	Chain0	13.20
	5320	Chain0	12.70
802.11n40M	5270	Chain0	12.80
	5310	Chain0	12.40
802.11ac20M	5260	Chain0	13.30
	5280	Chain0	13.10
	5320	Chain0	12.80
802.11ac40M	5270	Chain0	12.60
	5310	Chain0	12.10
802.11ac80M	5290	Chain0	11.50

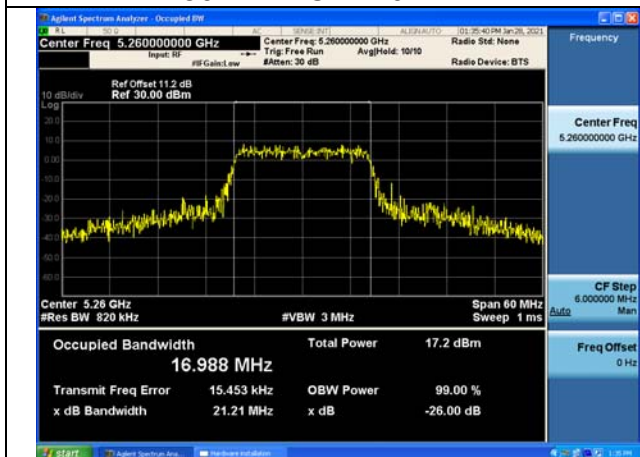
Emission Bandwidth

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

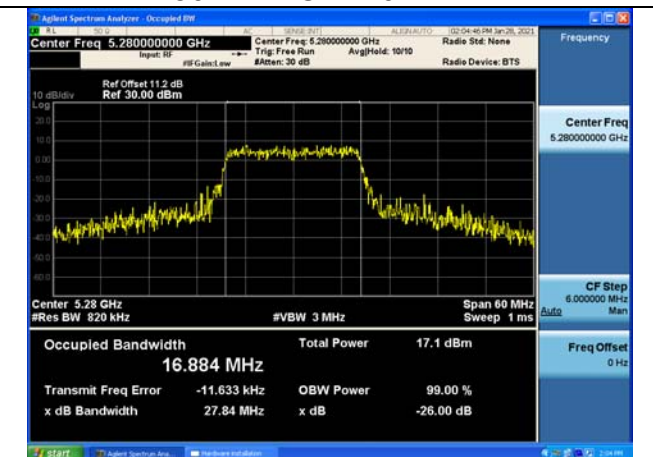
Test Mode:802.11a

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5260	Chain0	21.21
5280	Chain0	27.84
5320	Chain0	22.59

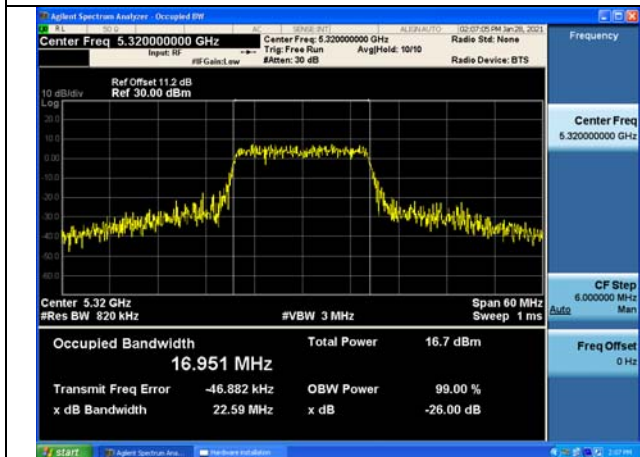
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



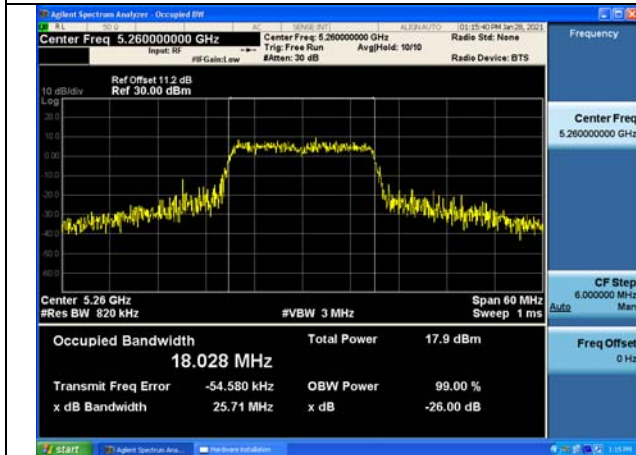
Test Mode:802.11a Chain0



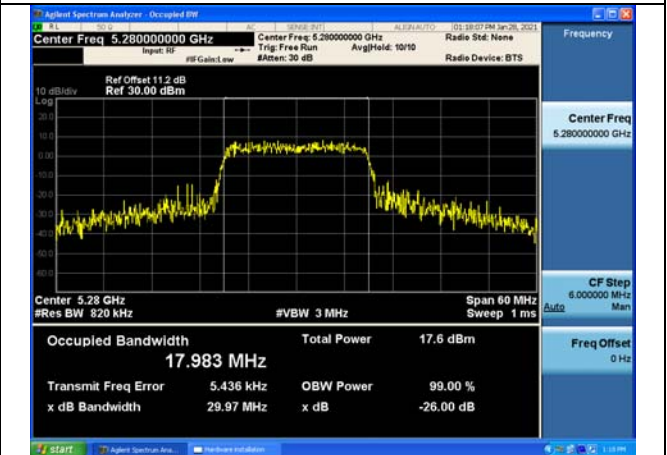
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5260	Chain0	25.71
5280	Chain0	29.97
5320	Chain0	30.16

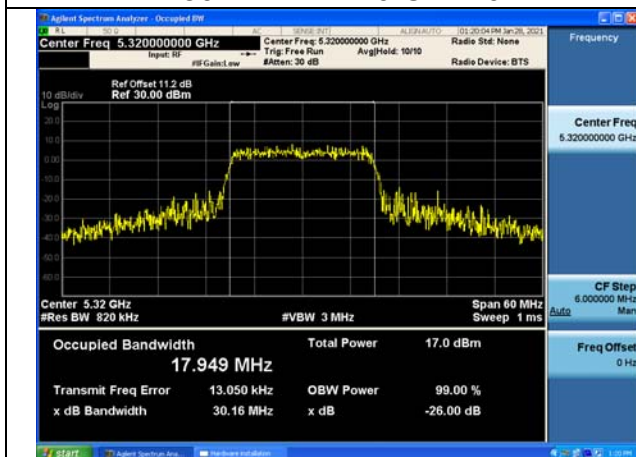
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



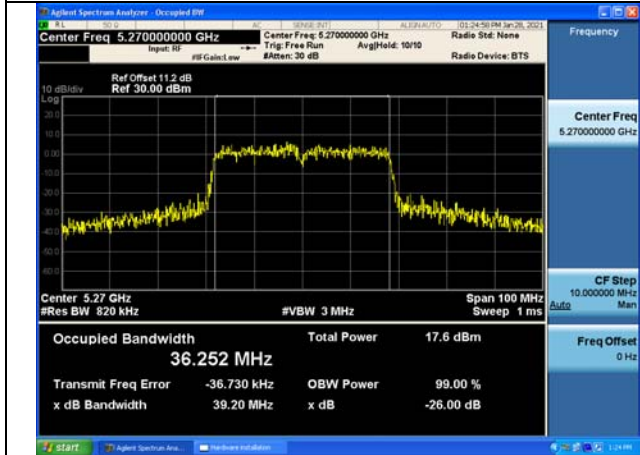
Test Mode:802. 11n HT20 Chain0



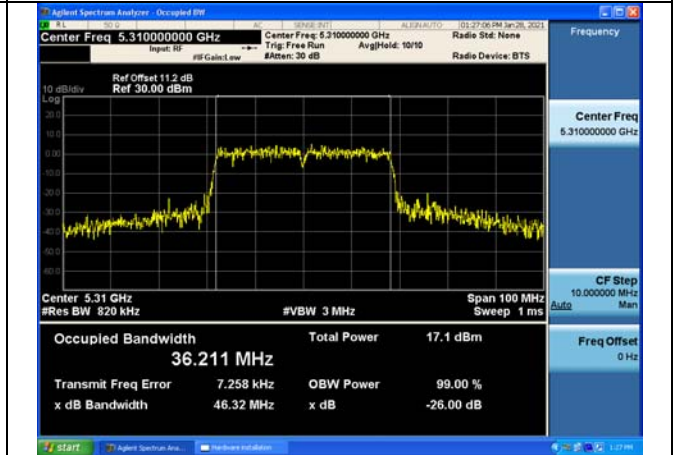
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5270	Chain0	39.20
5310	Chain0	46.32

Test Mode:802. 11n HT40 Chain0



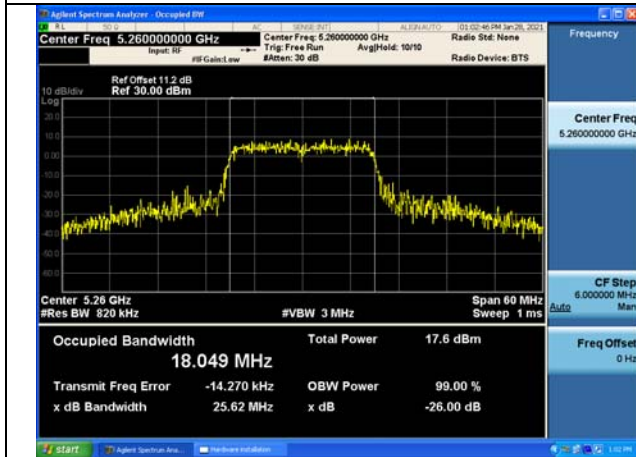
Test Mode:802. 11n HT40 Chain0



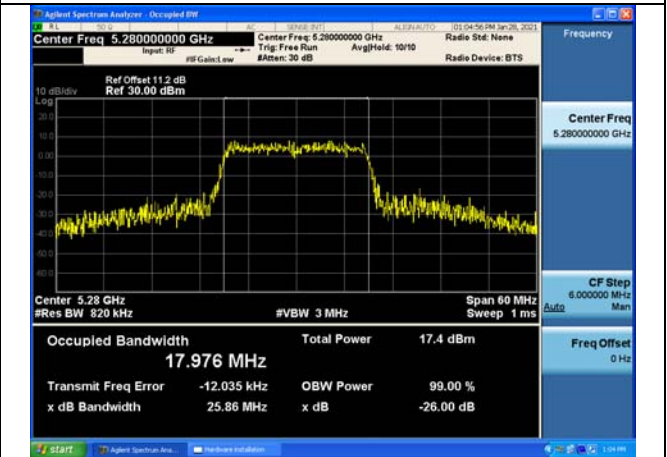
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5260	Chain0	25.62
5280	Chain0	25.86
5320	Chain0	28.45

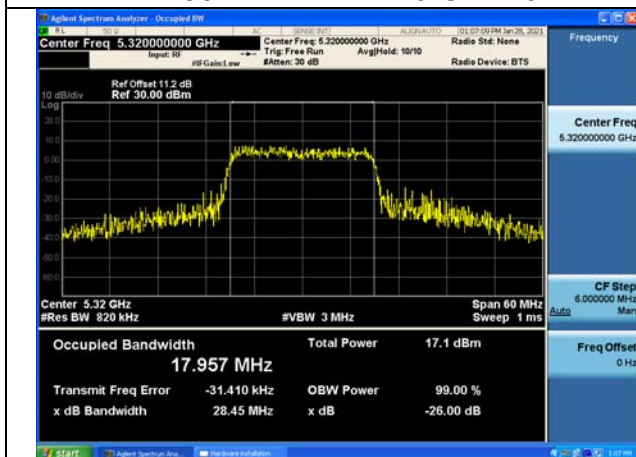
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



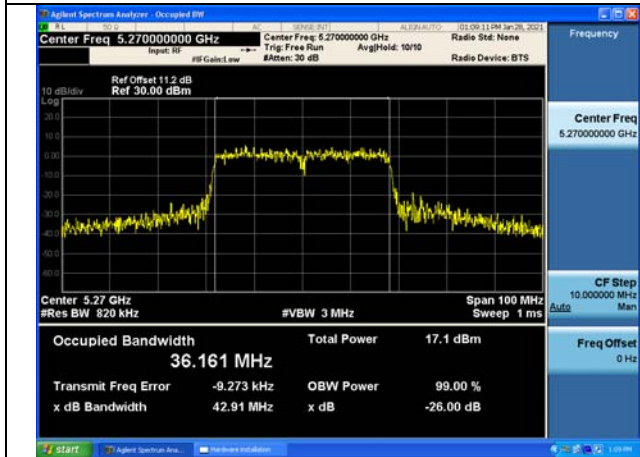
Test Mode:802. 11ac VHT20 Chain0



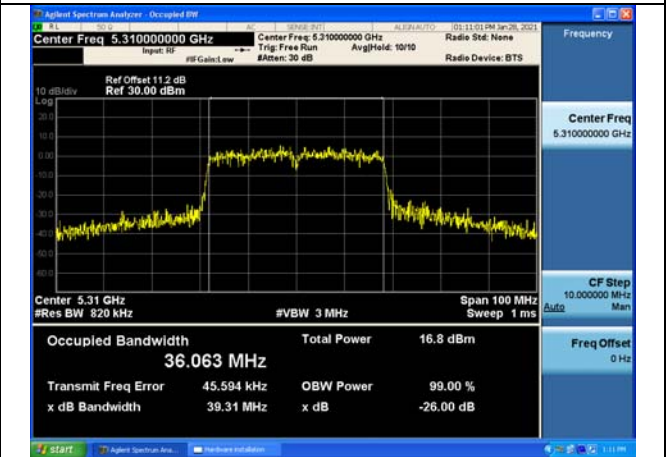
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5270	Chain0	42.91
5310	Chain0	39.31

Test Mode:802. 11ac VHT40 Chain0



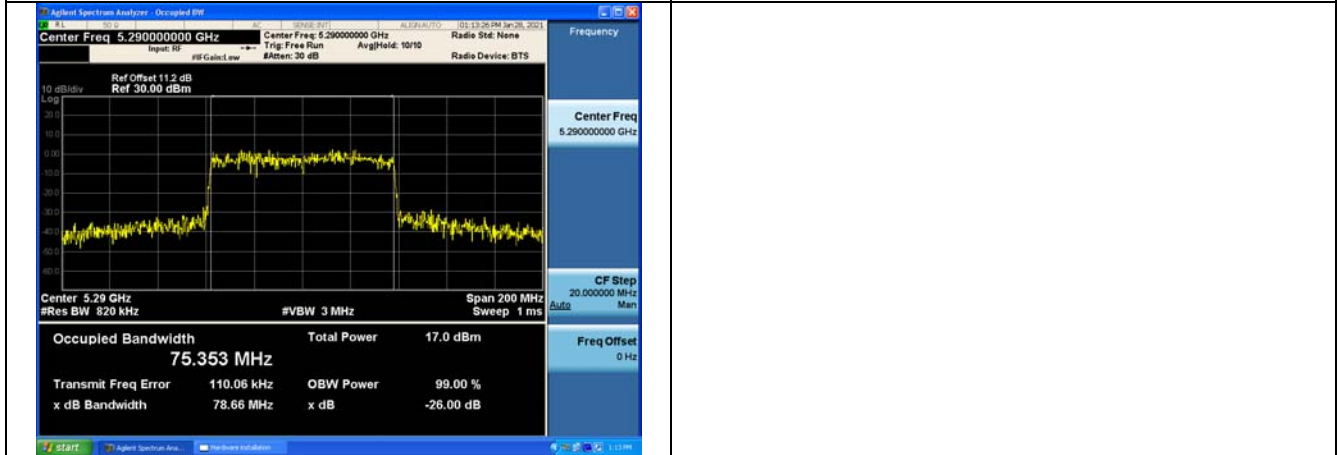
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5290	Chain0	78.66

Test Mode:802. 11ac VHT80 Chain0



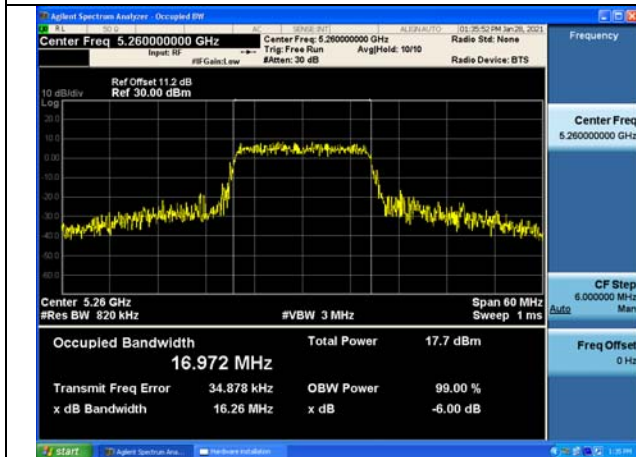
Occupied Bandwidth

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

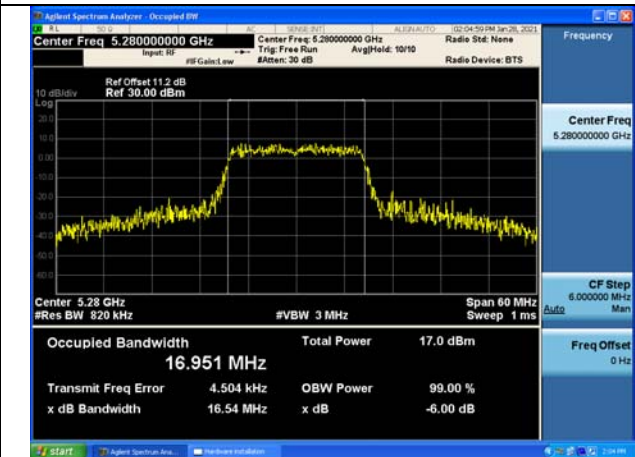
Test Mode:802.11a

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5260	Chain0	16.972
5280	Chain0	16.951
5320	Chain0	16.821

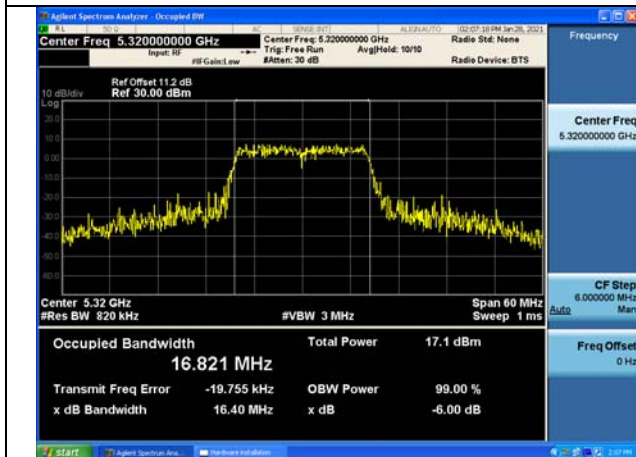
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



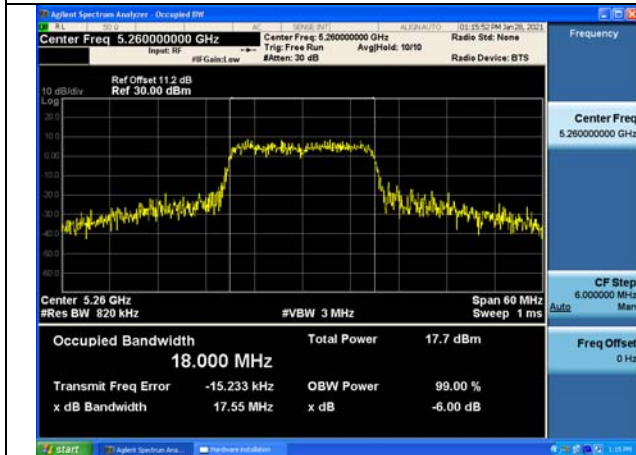
Test Mode:802.11a Chain0



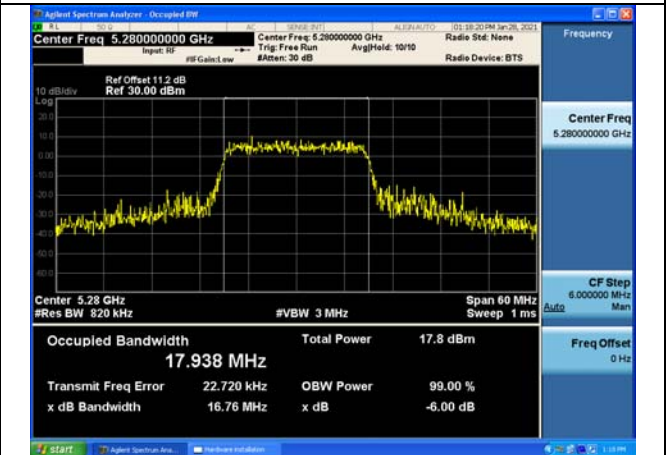
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5260	Chain0	18.000
5280	Chain0	17.938
5320	Chain0	18.054

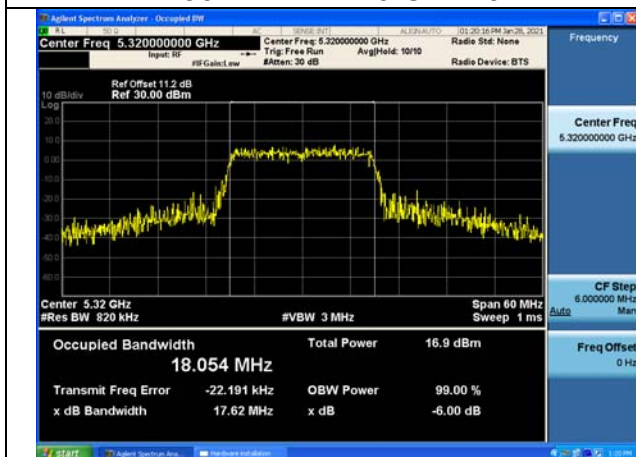
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



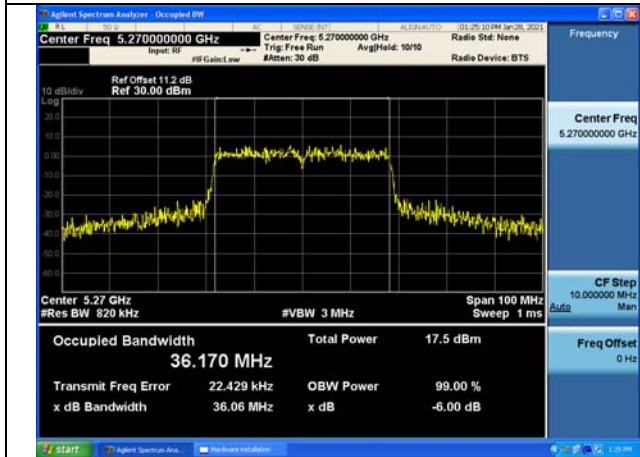
Test Mode:802. 11n HT20 Chain0



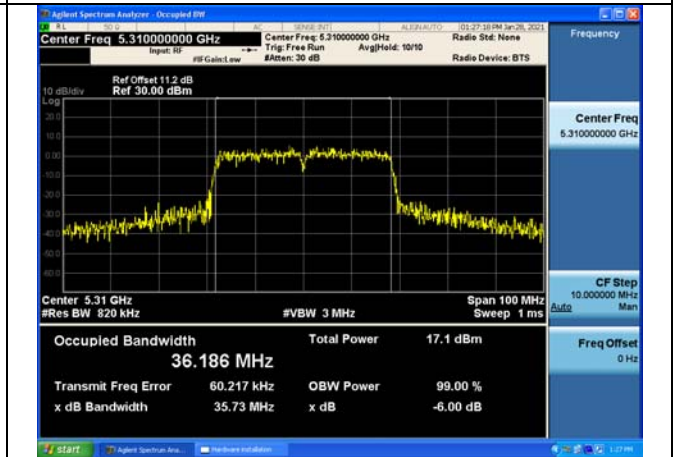
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5270	Chain0	36.170
5310	Chain0	36.186

Test Mode:802. 11n HT40 Chain0



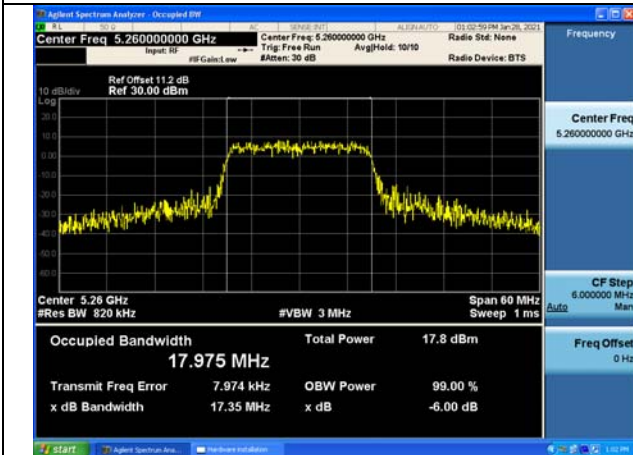
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5260	Chain0	17.975
5280	Chain0	17.981
5320	Chain0	17.927

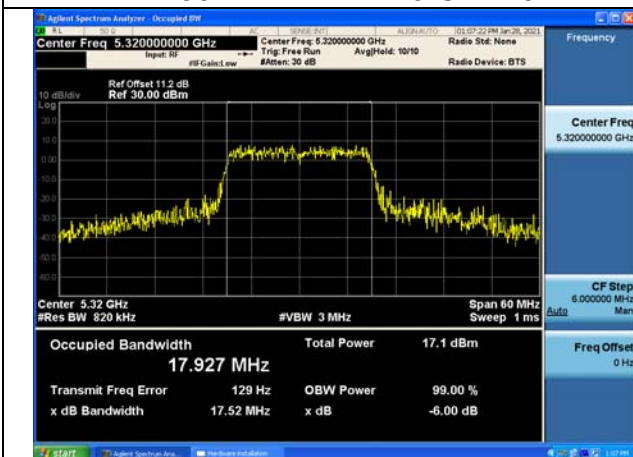
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0



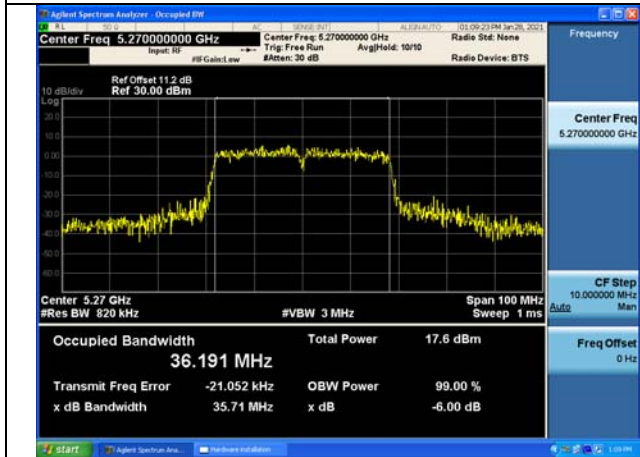
Test Mode:802. 11ac VHT20 Chain0



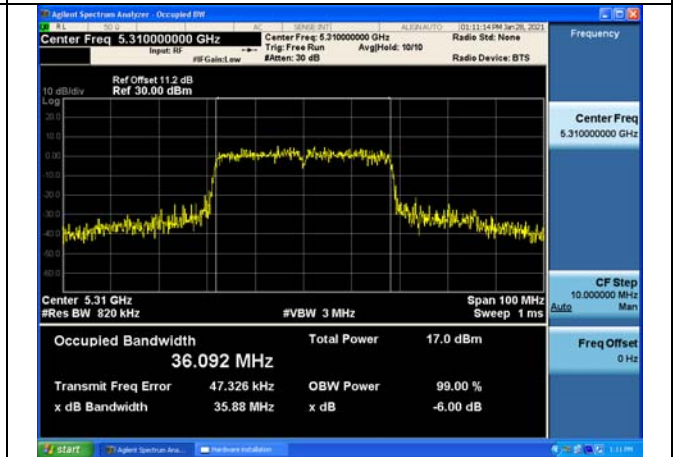
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5270	Chain0	36.191
5310	Chain0	36.092

Test Mode:802. 11ac VHT40 Chain0



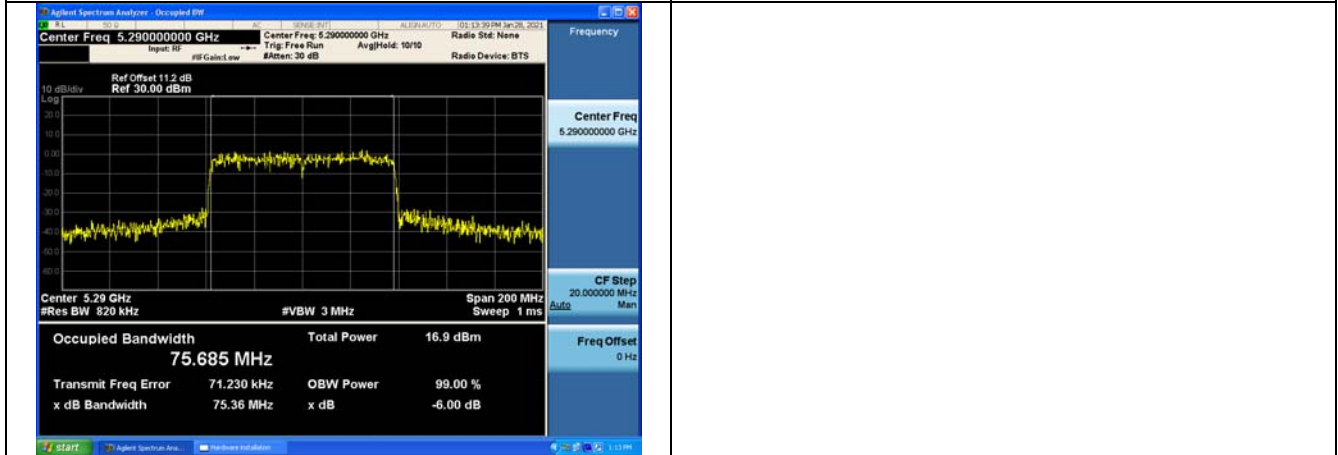
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5290	Chain0	75.685

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)
5260	0.81	Chain0	3.735
5280		Chain0	3.230
5320		Chain0	2.787

Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



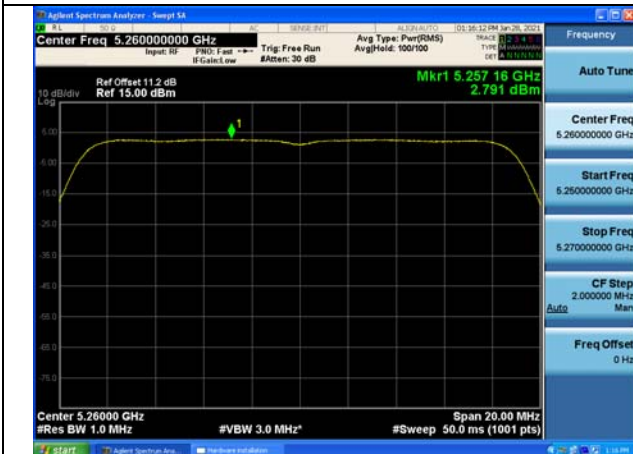
Test Mode:802.11a Chain0



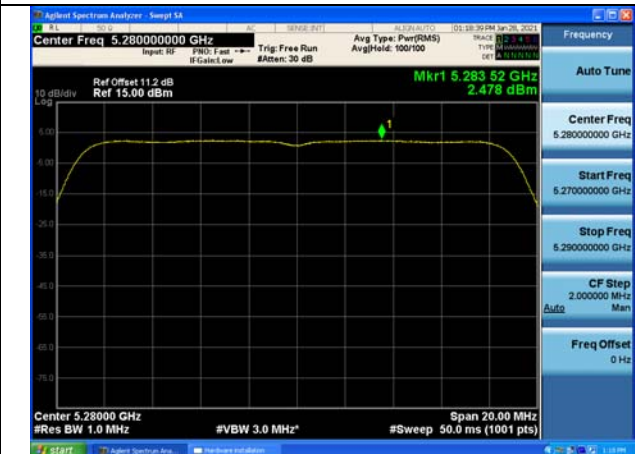
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5260	0.49	Chain0	3.281
5280		Chain0	2.968
5320		Chain0	2.491

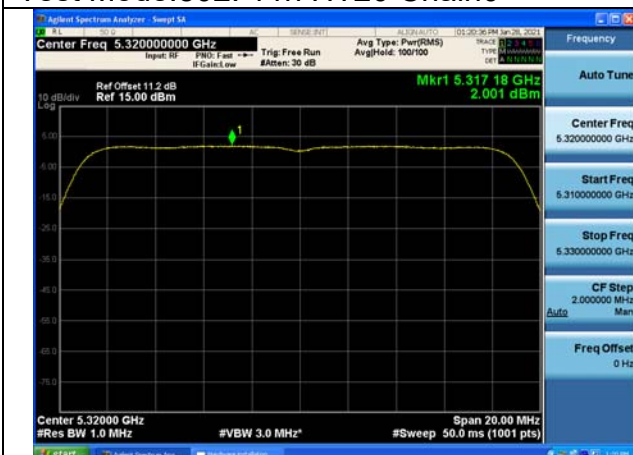
Test Mode:802. 11n HT20 Chain0



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)
5270	1.94	Chain0	1.570
5310		Chain0	1.184

Test Mode:802. 11n HT40 Chain0



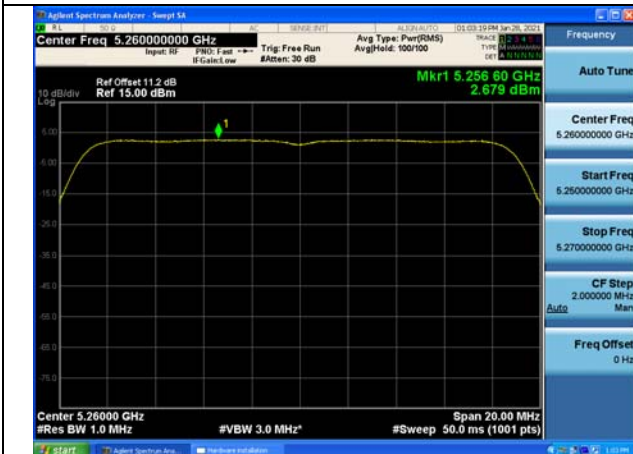
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5260	0.95	Chain0	3.629
5280		Chain0	3.274
5320		Chain0	3.109

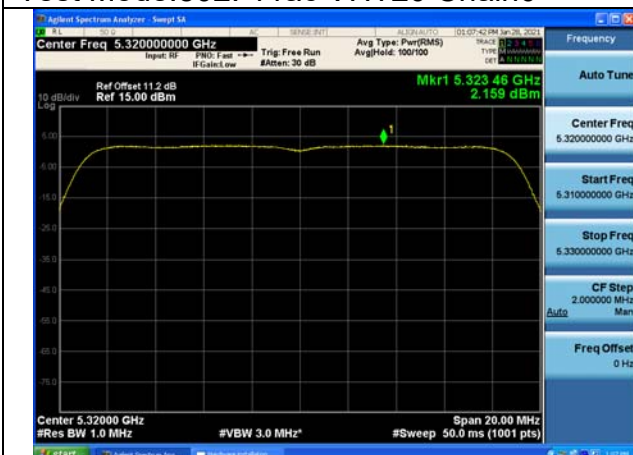
Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT20 Chain0

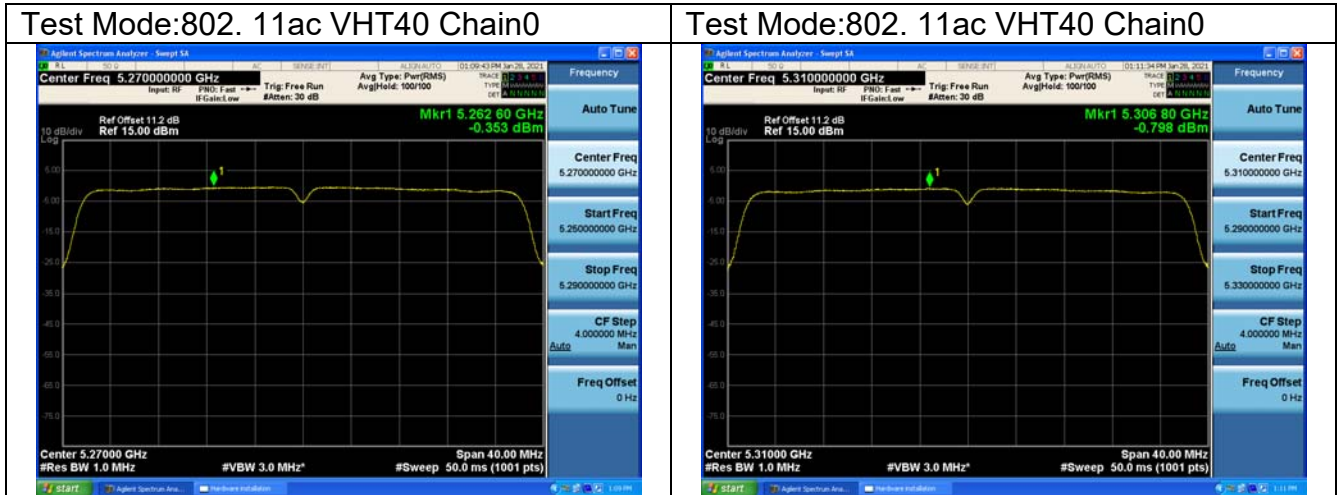


Test Mode:802. 11ac VHT20 Chain0



Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5270	0.93	Chain0	0.577
5310		Chain0	0.132



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5290	3.97	Chain0	-0.257

Test Mode:802. 11ac VHT80 Chain0



Frequency Stability

NII2A

Mode	Data Rate	Chain	Center Frequency (MHz)	Measured Frequency (MHz)	Frequency Stability (ppm)	Voltage (V)	Temperature (°C)
802.11a	6Mbps	Chain0	5260	5259.975	4.75	HV	+20
			5260	5259.97513	4.73	LV	+20
			5260	5259.97493	4.77	NV	+30
			5260	5259.97477	4.80	NV	+50
			5260	5259.97485	4.78	NV	+40
			5260	5259.97525	4.71	NV	+20
			5260	5259.97583	4.60	NV	-20
			5260	5259.97608	4.55	NV	-30
			5260	5259.97566	4.63	NV	-10
			5260	5259.97537	4.68	NV	+10
			5260	5259.97551	4.66	NV	0