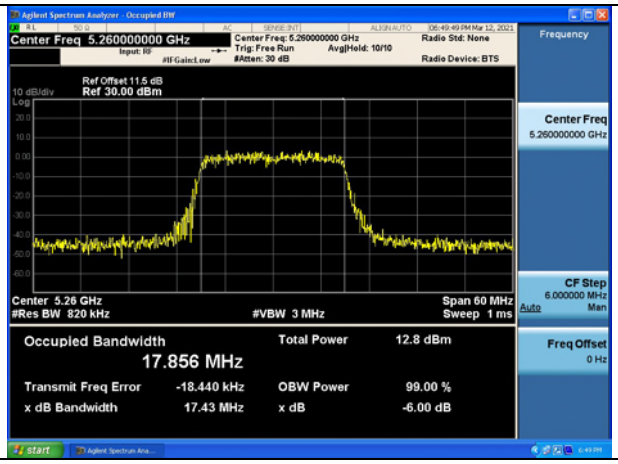
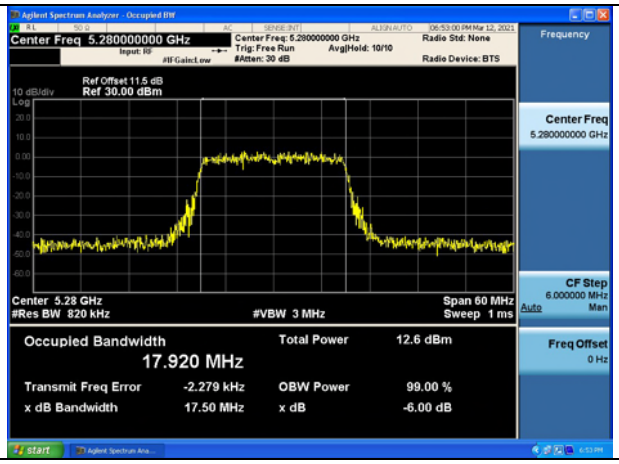
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5260	Ant7	17.856
	Ant8	17.865
5280	Ant7	17.920
	Ant8	17.941
5320	Ant7	17.937
	Ant8	17.859

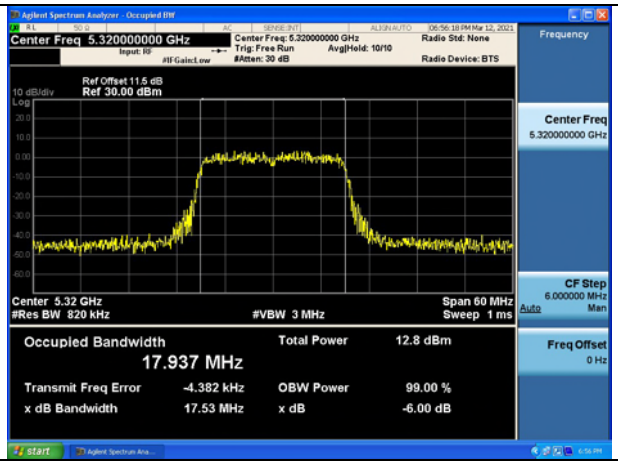
Test Mode:802. 11n HT20 Ant7



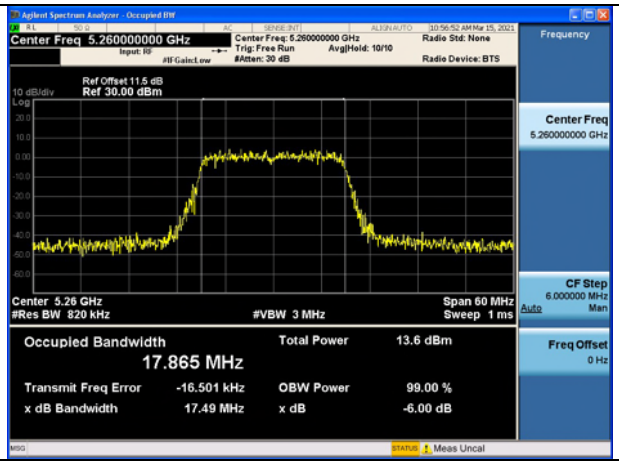
Test Mode:802. 11n HT20 Ant7



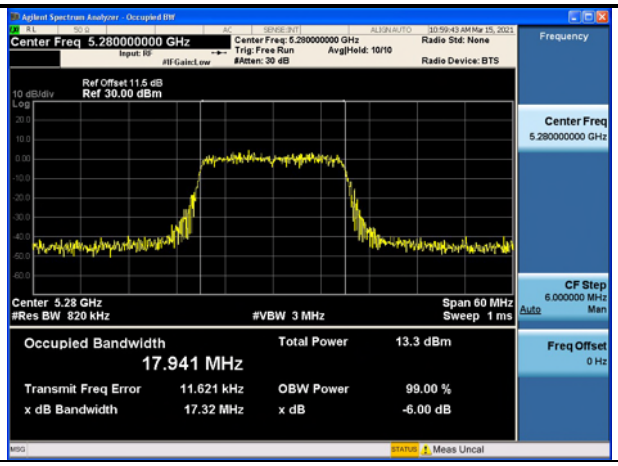
Test Mode:802. 11n HT20 Ant7

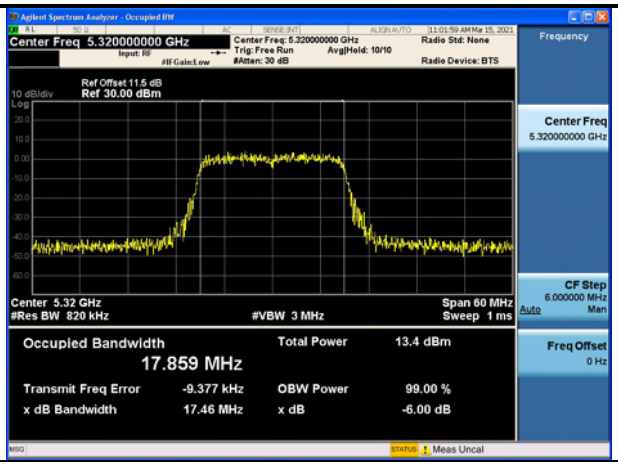


Test Mode:802. 11n HT20 Ant8



Test Mode:802. 11n HT20 Ant8

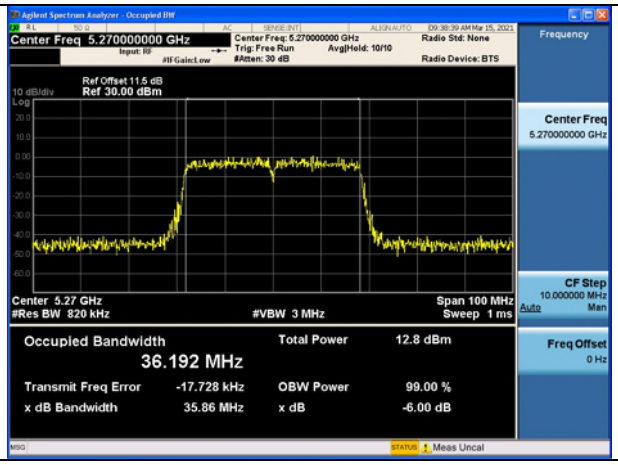

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.280000000 GHz
Center Freq: 5.280000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 11.5 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
5.280000000 GHz
Center 5.28 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 60 MHz
Sweep 1 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
17.941 MHz
Total Power
13.3 dBm
Transmit Freq Error
11.621 kHz
OBW Power
99.00 %
x dB Bandwidth
17.32 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
Meas Uncal


Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.320000000 GHz
Center Freq: 5.320000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 11.5 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
5.320000000 GHz
Center 5.32 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 60 MHz
Sweep 1 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
17.859 MHz
Total Power
13.4 dBm
Transmit Freq Error
-9.377 kHz
OBW Power
99.00 %
x dB Bandwidth
17.46 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
Meas Uncal

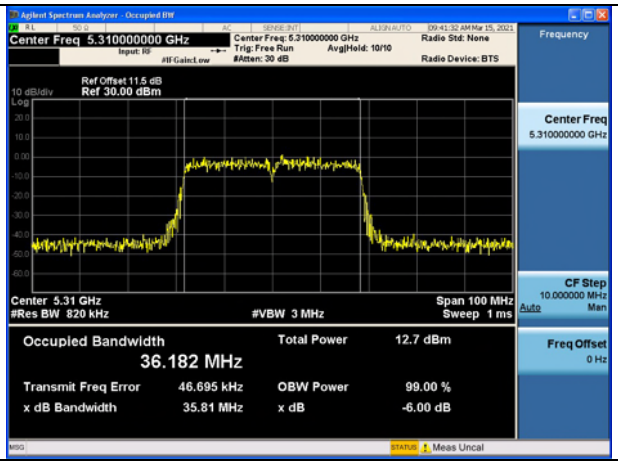
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5270	Ant7	36.192
	Ant8	36.243
5310	Ant7	36.182
	Ant8	36.204

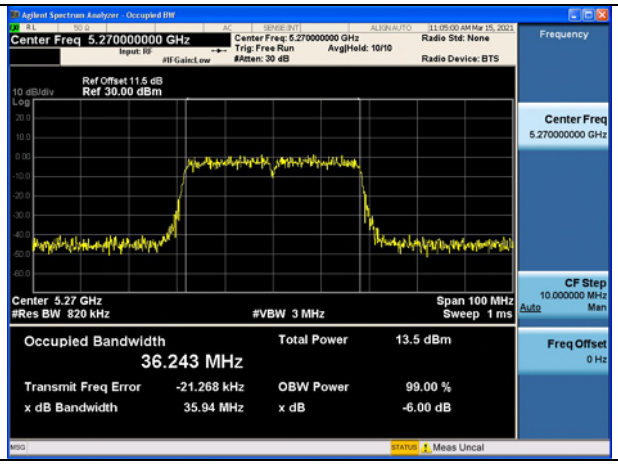
Test Mode:802. 11n HT40 Ant7



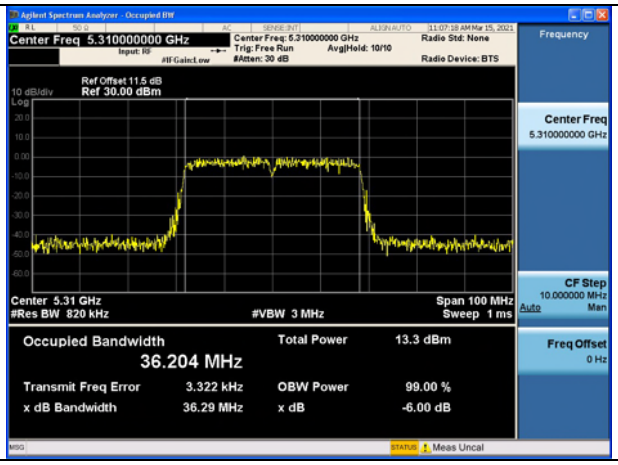
Test Mode:802. 11n HT40 Ant7



Test Mode:802. 11n HT40 Ant8



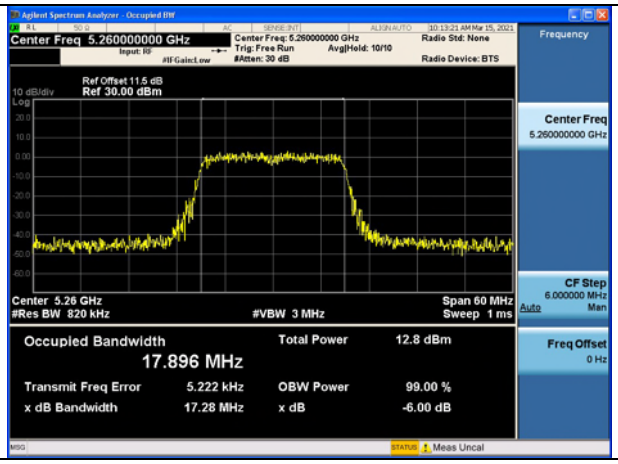
Test Mode:802. 11n HT40 Ant8



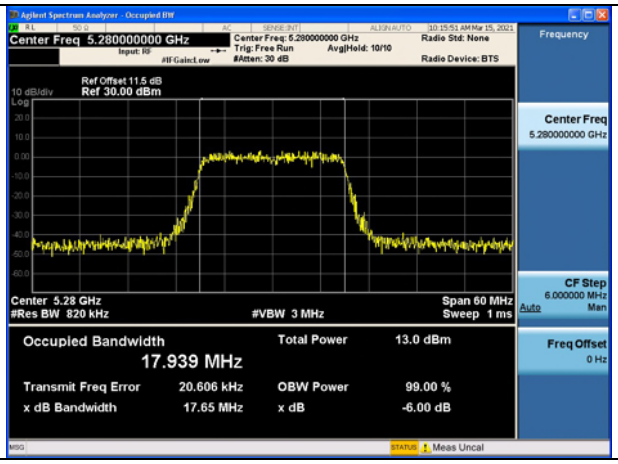
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5260	Ant7	17.896
	Ant8	17.910
5280	Ant7	17.939
	Ant8	17.890
5320	Ant7	17.888
	Ant8	17.824

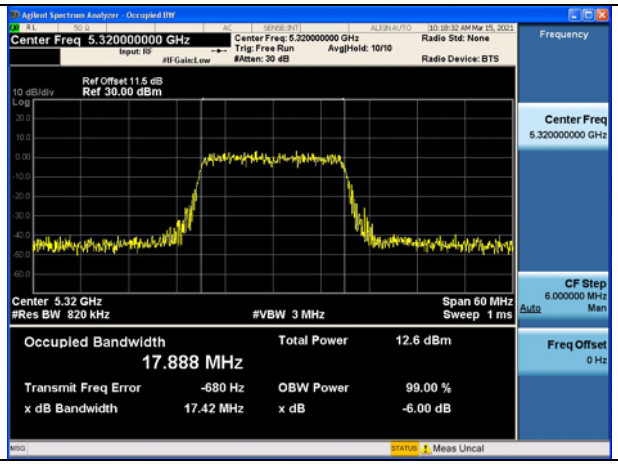
Test Mode:802. 11ac VHT20 Ant7



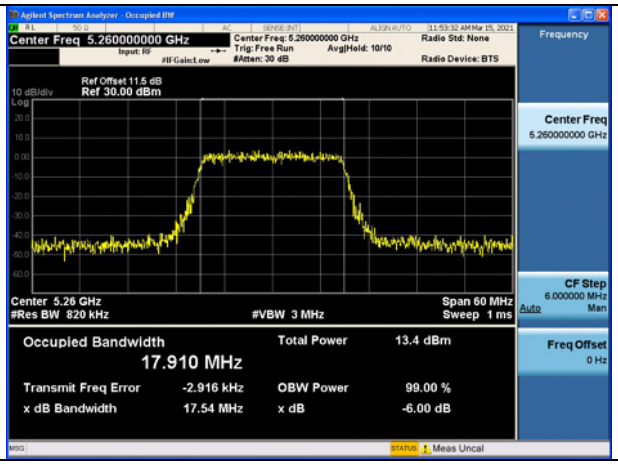
Test Mode:802. 11ac VHT20 Ant7



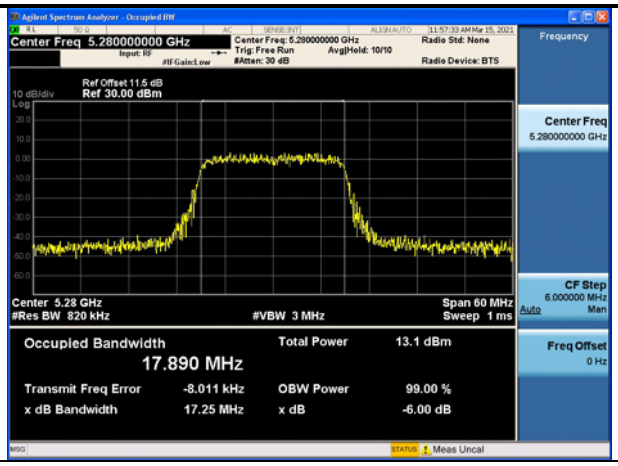
Test Mode:802. 11ac VHT20 Ant7

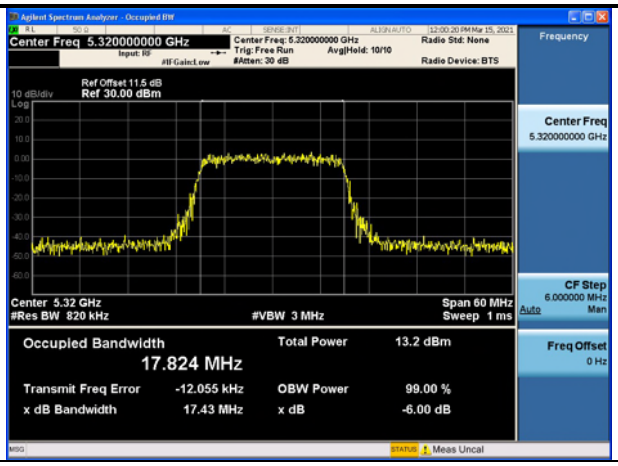


Test Mode:802. 11ac VHT20 Ant8



Test Mode:802. 11ac VHT20 Ant8

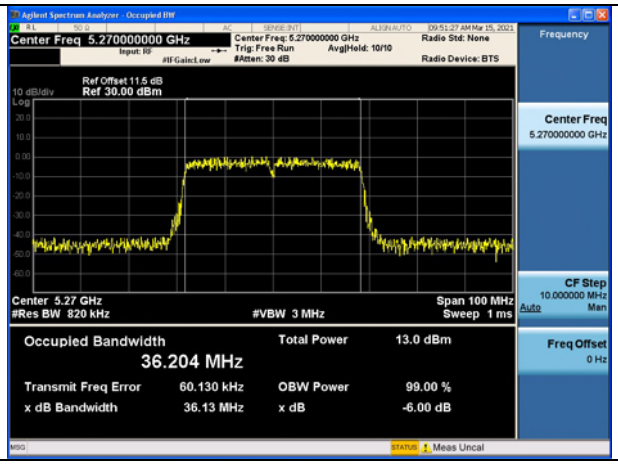

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.280000000 GHz
Center Freq: 5.280000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 11.5 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
5.280000000 GHz
Center 5.28 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 60 MHz
Sweep 1 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
17.890 MHz
Total Power 13.1 dBm
Transmit Freq Error -8.011 kHz
OBW Power 99.00 %
x dB Bandwidth 17.25 MHz
x dB -6.00 dB
Freq Offset
0 Hz
Meas Uncal


Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.320000000 GHz
Center Freq: 5.320000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 11.5 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
5.320000000 GHz
Center 5.32 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 60 MHz
Sweep 1 ms
CF Step
6.000000 MHz
Auto
Man
Occupied Bandwidth
17.824 MHz
Total Power 13.2 dBm
Transmit Freq Error -12.055 kHz
OBW Power 99.00 %
x dB Bandwidth 17.43 MHz
x dB -6.00 dB
Freq Offset
0 Hz
Meas Uncal

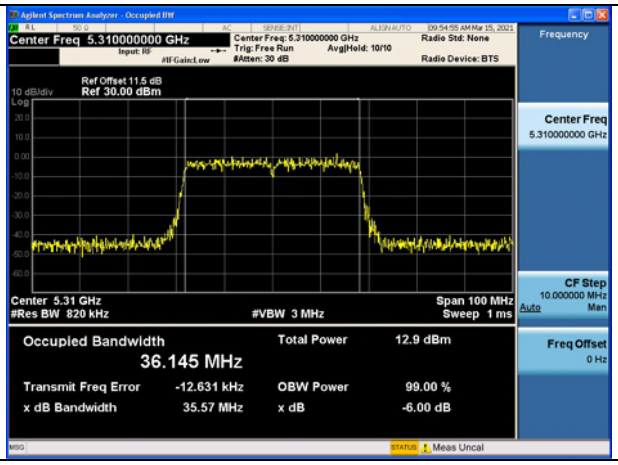
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5270	Ant7	36.204
	Ant8	36.196
5310	Ant7	36.145
	Ant8	36.176

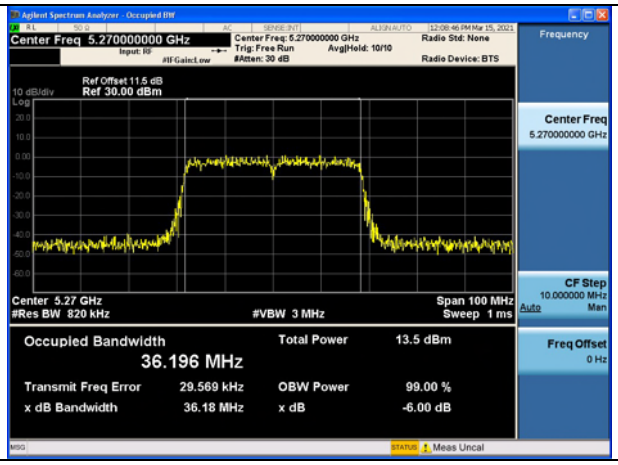
Test Mode:802. 11ac VHT40 Ant7



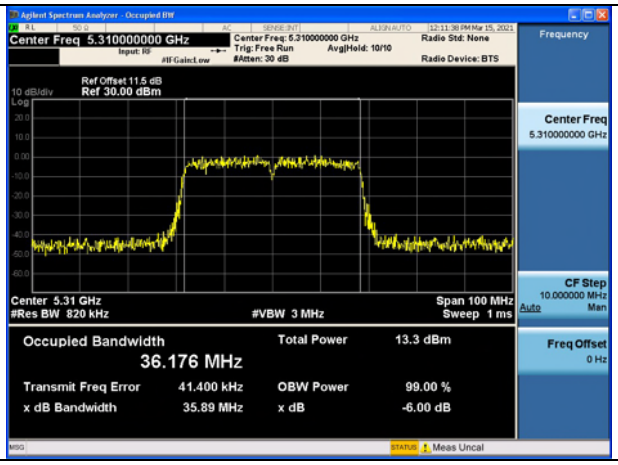
Test Mode:802. 11ac VHT40 Ant7



Test Mode:802. 11ac VHT40 Ant8

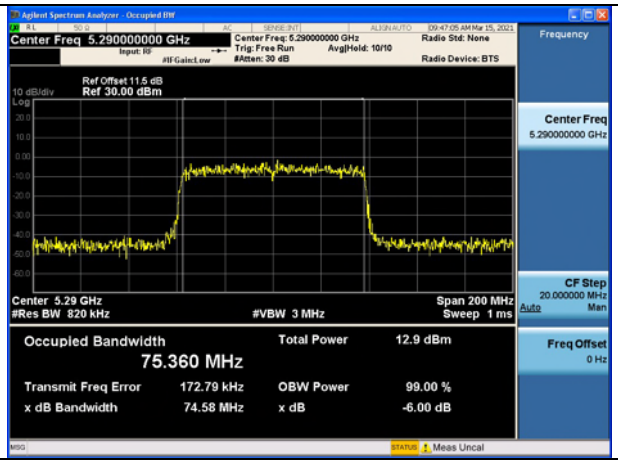
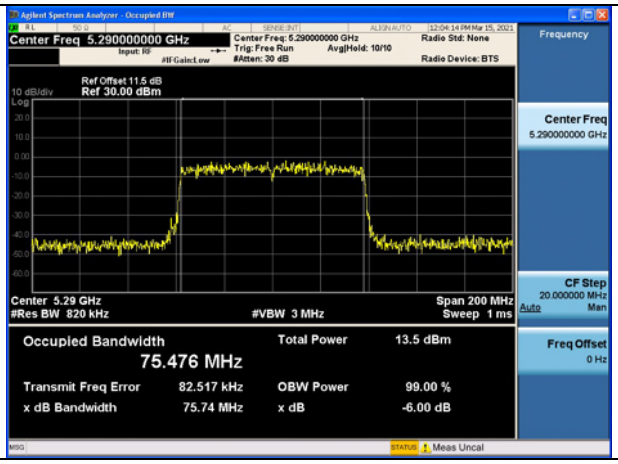


Test Mode:802. 11ac VHT40 Ant8



Test Mode:802. 11ac VHT80

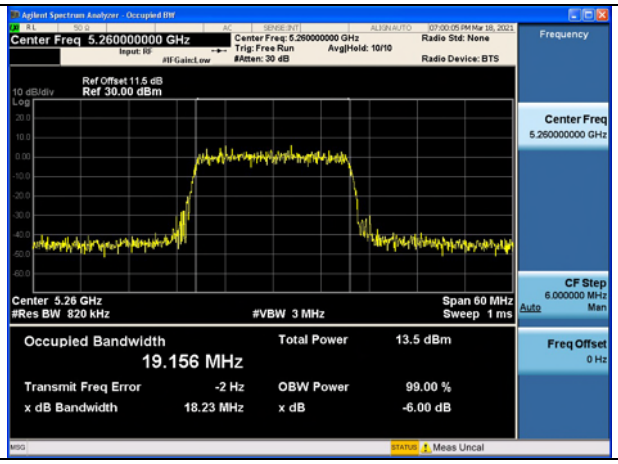
Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5290	Ant7	75.360
	Ant8	75.476

Test Mode:802. 11ac VHT80 Ant7	Test Mode:802. 11ac VHT80 Ant8
	

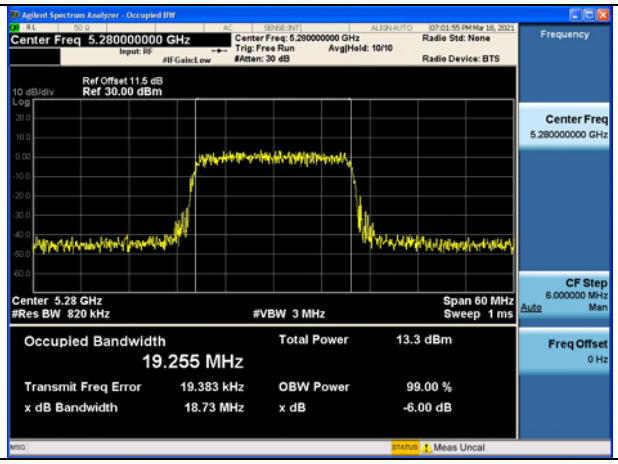
Test Mode:802.11ax HE20(242)

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5260	Ant7	19.156
	Ant8	19.252
5280	Ant7	19.255
	Ant8	19.177
5320	Ant7	19.220
	Ant8	19.279

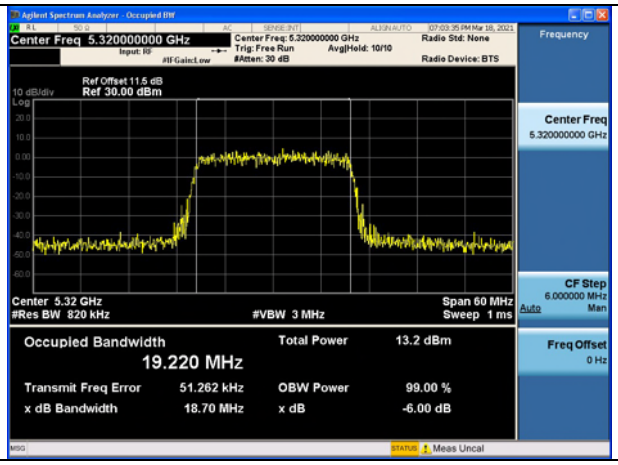
Test Mode:802. 11ax HE20 Ant7



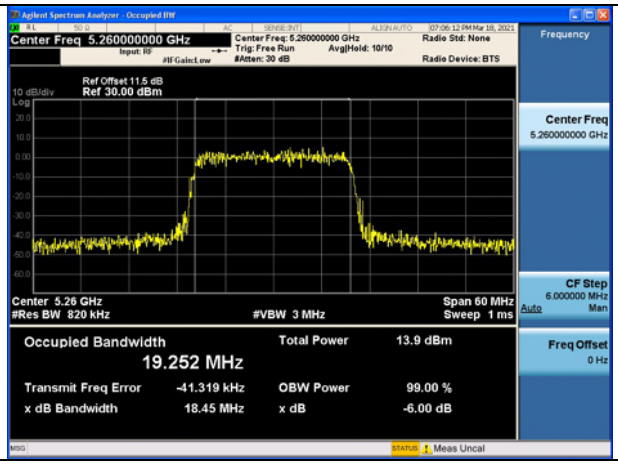
Test Mode:802. 11ax HE20 Ant7



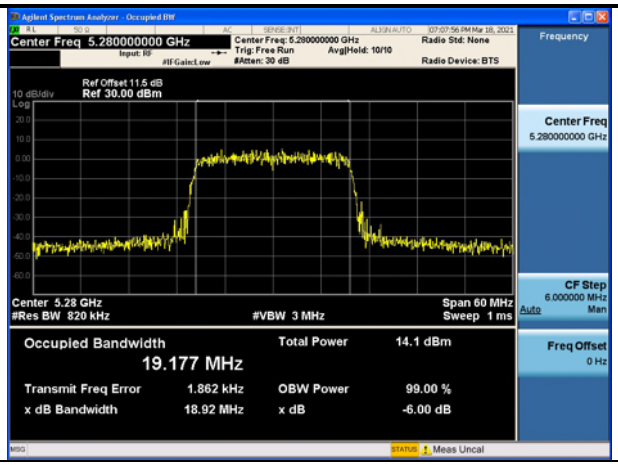
Test Mode:802. 11ax HE20 Ant7

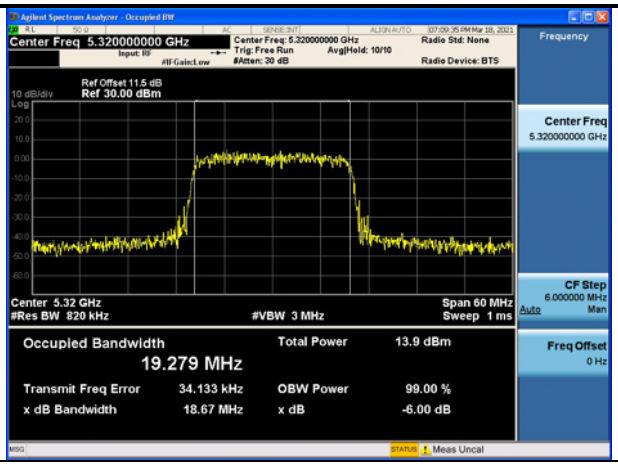


Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8

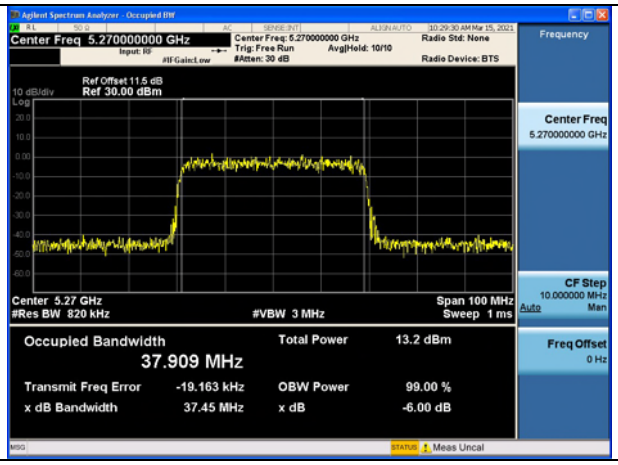

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.280000000 GHz
Center Freq: 5.280000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 11.5 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
5.280000000 GHz
CF Step
6.000000 MHz
Auto
Man
Center 5.28 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 60 MHz
Sweep 1 ms
Occupied Bandwidth
19.177 MHz
Total Power 14.1 dBm
Transmit Freq Error 1.862 kHz
OBW Power 99.00 %
x dB Bandwidth 18.92 MHz
x dB -6.00 dB
Freq Offset
0 Hz
Meas Uncal


Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.320000000 GHz
Center Freq: 5.320000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 11.5 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
5.320000000 GHz
CF Step
6.000000 MHz
Auto
Man
Center 5.32 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 60 MHz
Sweep 1 ms
Occupied Bandwidth
19.279 MHz
Total Power 13.9 dBm
Transmit Freq Error 34.133 kHz
OBW Power 99.00 %
x dB Bandwidth 18.67 MHz
x dB -6.00 dB
Freq Offset
0 Hz
Meas Uncal

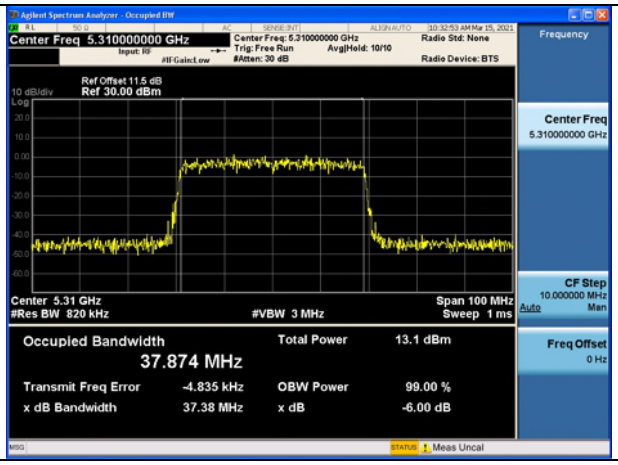
Test Mode:802.11ax HE40(484)

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5270	Ant7	37.909
	Ant8	37.837
5310	Ant7	37.874
	Ant8	37.846

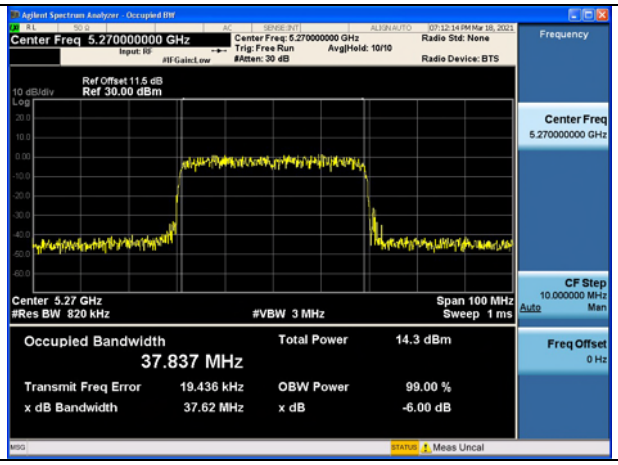
Test Mode:802. 11ax HE40 Ant7



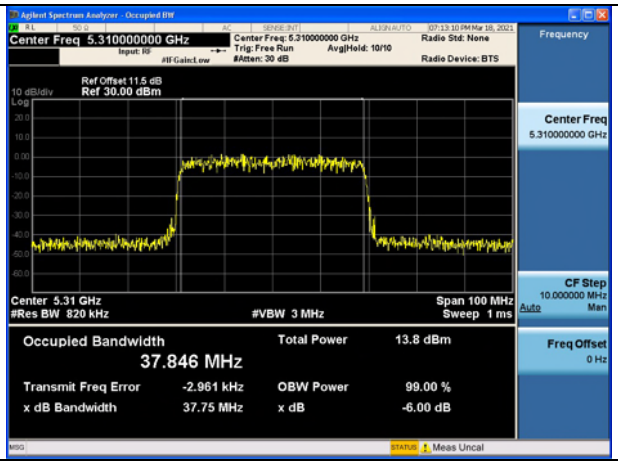
Test Mode:802. 11ax HE40 Ant7



Test Mode:802. 11ax HE40 Ant8

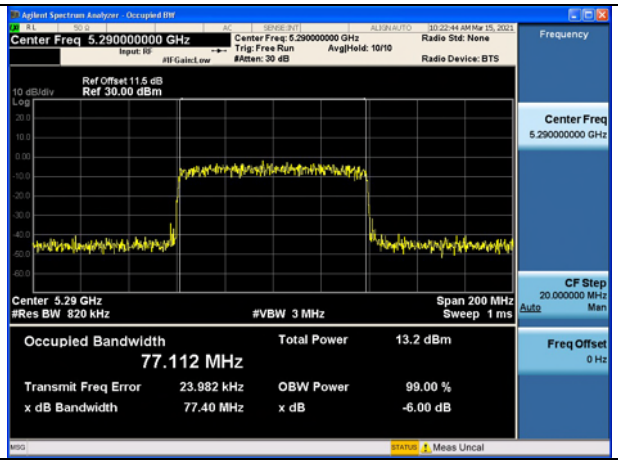
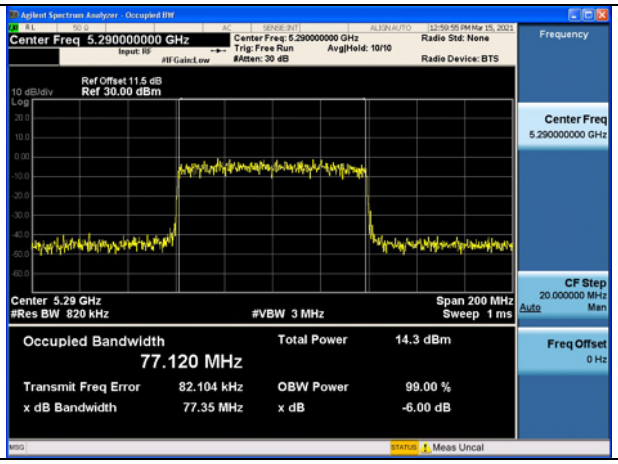


Test Mode:802. 11ax HE40 Ant8



Test Mode:802.11ax HE80(996)

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5290	Ant7	77.112
	Ant8	77.120

Test Mode:802. 11ax HE80 Ant7	Test Mode:802. 11ax HE80 Ant8
	

Transmitter Power Spectral Density

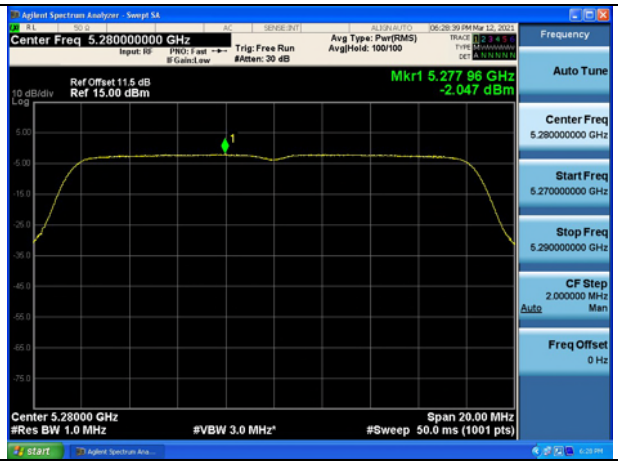
Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

Test Mode:802.11a

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm)
5260	0.06	Ant7	-1.796
		Ant8	-0.835
		Ant7+Ant8	1.721
5280		Ant7	-1.987
		Ant8	-1.062
		Ant7+Ant8	1.510
5320		Ant7	-1.958
		Ant8	-1.140
		Ant7+Ant8	1.481

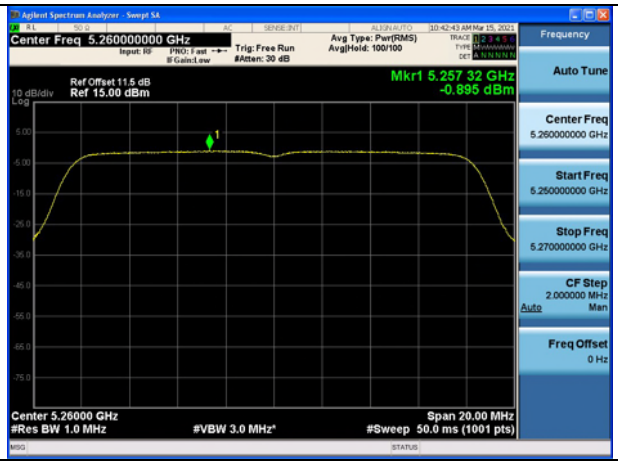
Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

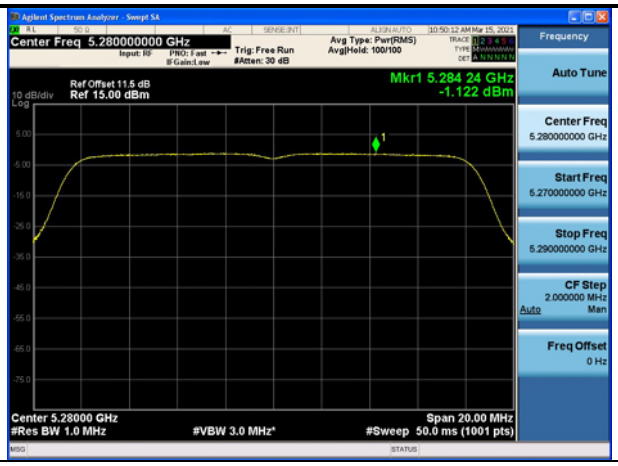


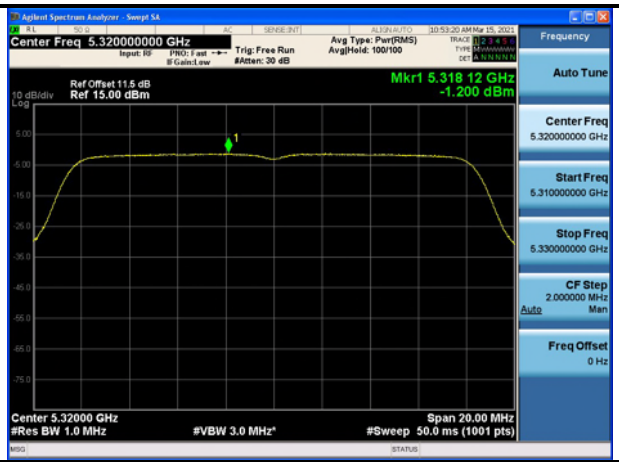
Test Mode:802.11a Ant7

Test Mode:802.11a Ant8



Test Mode:802.11a Ant8

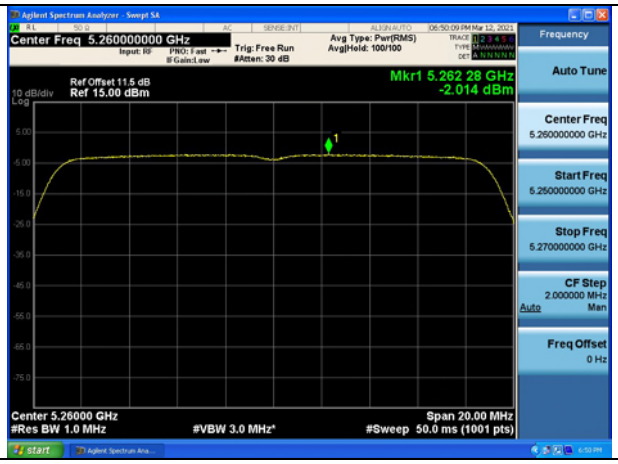

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.280000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 100/100
Ref Offset 11.5 dB
10 dB/div Ref 15.00 dBm
Mkr1 5.284 24 GHz
-1.122 dBm
Center 5.28000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 20.00 MHz
#Sweep 50.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.280000000 GHz
Start Freq
5.270000000 GHz
Stop Freq
5.290000000 GHz
CF Step
2.000000 MHz
Auto Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 100/100
Ref Offset 11.5 dB
10 dB/div Ref 15.00 dBm
Mkr1 5.318 12 GHz
-1.200 dBm
Center 5.32000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 20.00 MHz
#Sweep 50.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.320000000 GHz
Start Freq
5.310000000 GHz
Stop Freq
5.330000000 GHz
CF Step
2.000000 MHz
Auto Man
Freq Offset
0 Hz

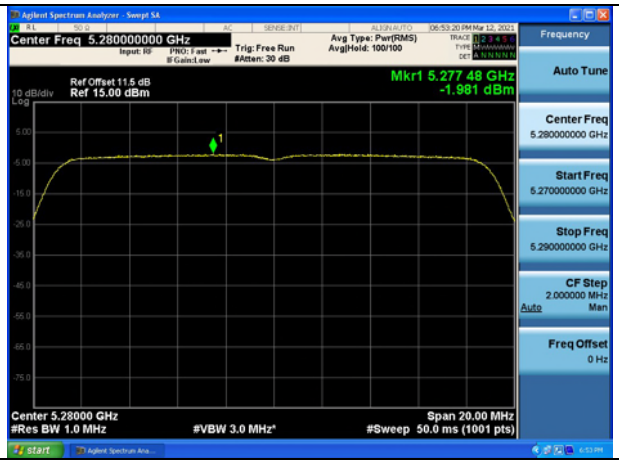
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm)
5260	0.02	Ant7	-1.994
		Ant8	-1.222
		Ant7+Ant8	1.419
5280		Ant7	-1.961
		Ant8	-1.189
		Ant7+Ant8	1.452
5320		Ant7	-2.229
		Ant8	-1.519
		Ant7+Ant8	1.151

Test Mode:802. 11n HT20 Ant7

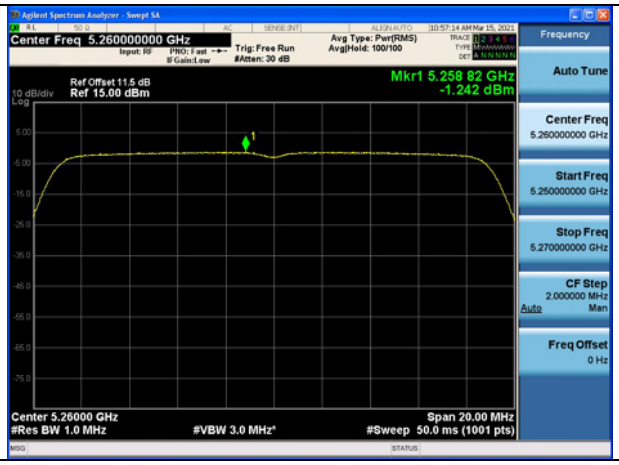


Test Mode:802. 11n HT20 Ant7

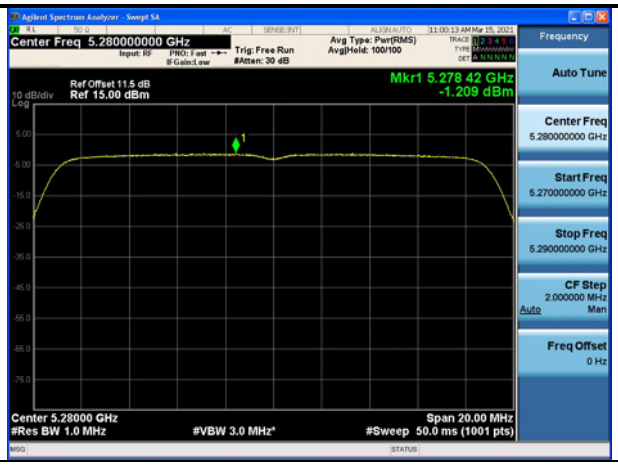


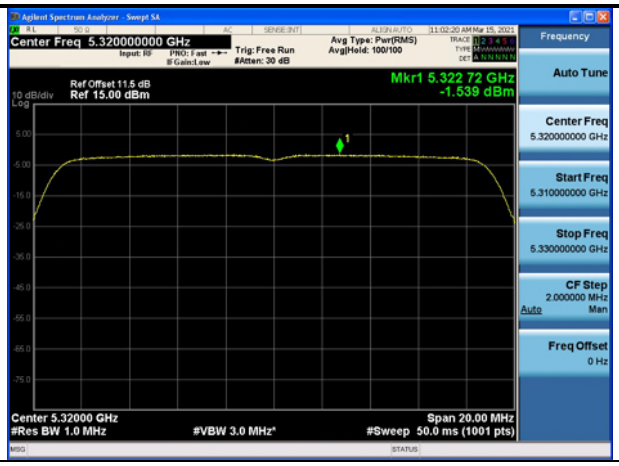
Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Ant8



Test Mode:802. 11n HT20 Ant8

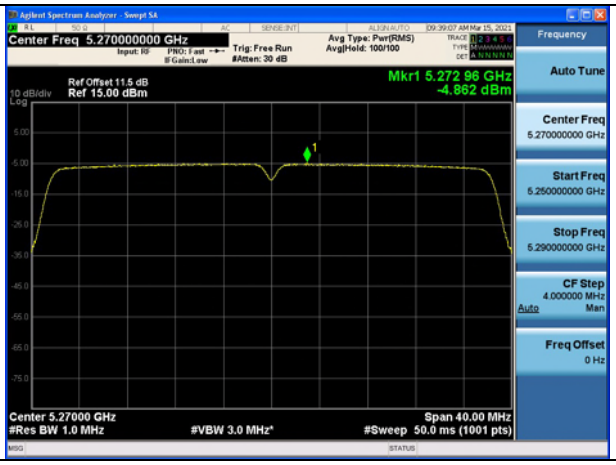

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.280000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 100/100
Ref Offset 11.5 dB
10 dB/div Ref 15.00 dBm
Mkr1 5.278 42 GHz
-1.209 dBm
Center 5.28000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 20.00 MHz
#Sweep 50.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.280000000 GHz
Start Freq
5.270000000 GHz
Stop Freq
5.290000000 GHz
CF Step
2.000000 MHz
Auto Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 100/100
Ref Offset 11.5 dB
10 dB/div Ref 15.00 dBm
Mkr1 5.322 72 GHz
-1.539 dBm
Center 5.32000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 20.00 MHz
#Sweep 50.0 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.320000000 GHz
Start Freq
5.310000000 GHz
Stop Freq
5.330000000 GHz
CF Step
2.000000 MHz
Auto Man
Freq Offset
0 Hz

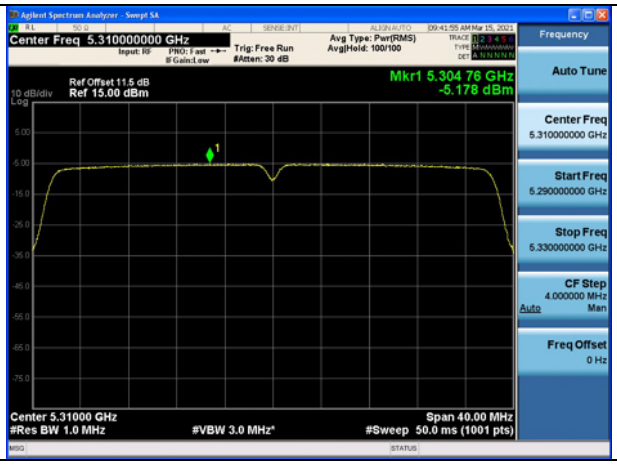
Test Mode:802. 11n HT40

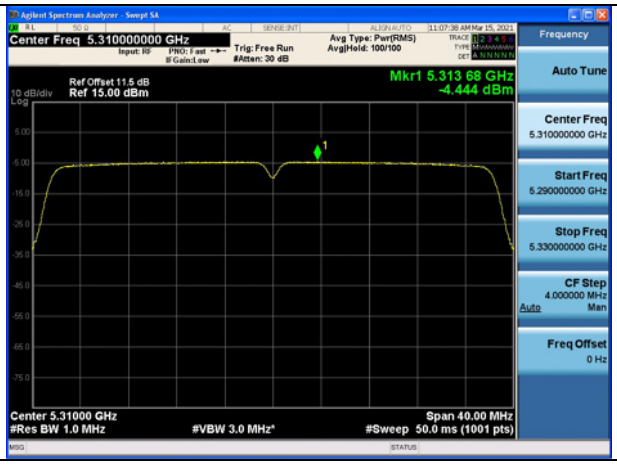
Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm)
5270	0.02	Ant7	-4.842
		Ant8	-4.279
		Ant7+Ant8	-1.541
5310		Ant7	-5.158
		Ant8	-4.424
		Ant7+Ant8	-1.765

Test Mode:802. 11n HT40 Ant7



Test Mode:802. 11n HT40 Ant7



Test Mode:802. 11n HT40 Ant8

Test Mode:802. 11n HT40 Ant8