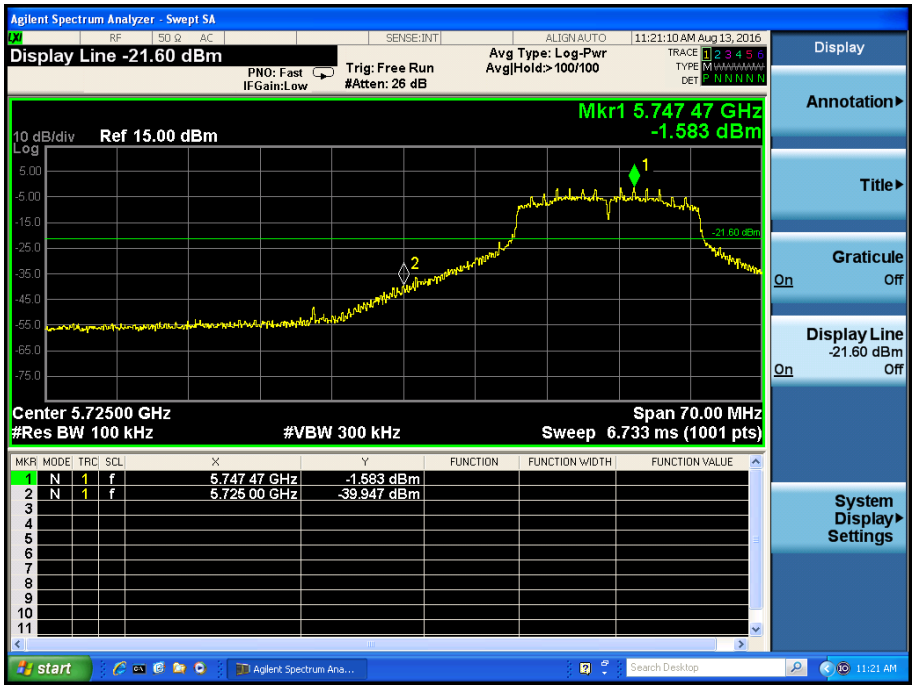
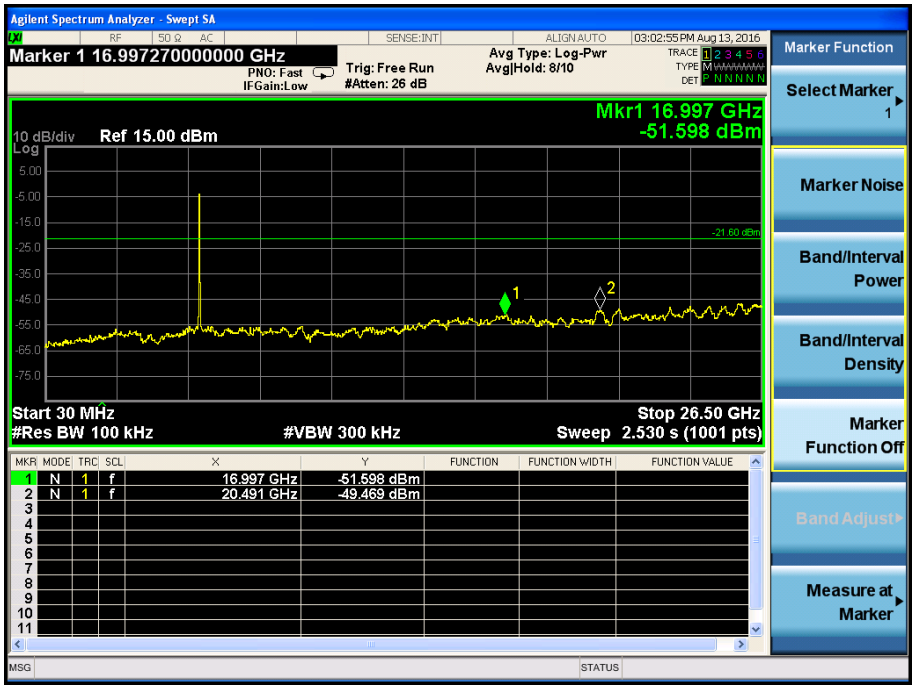
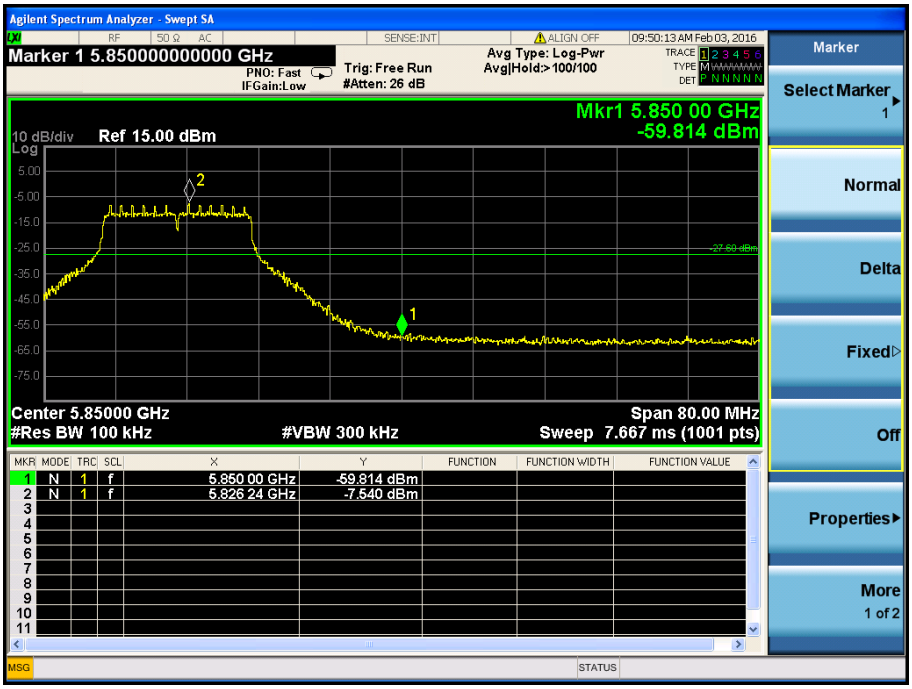
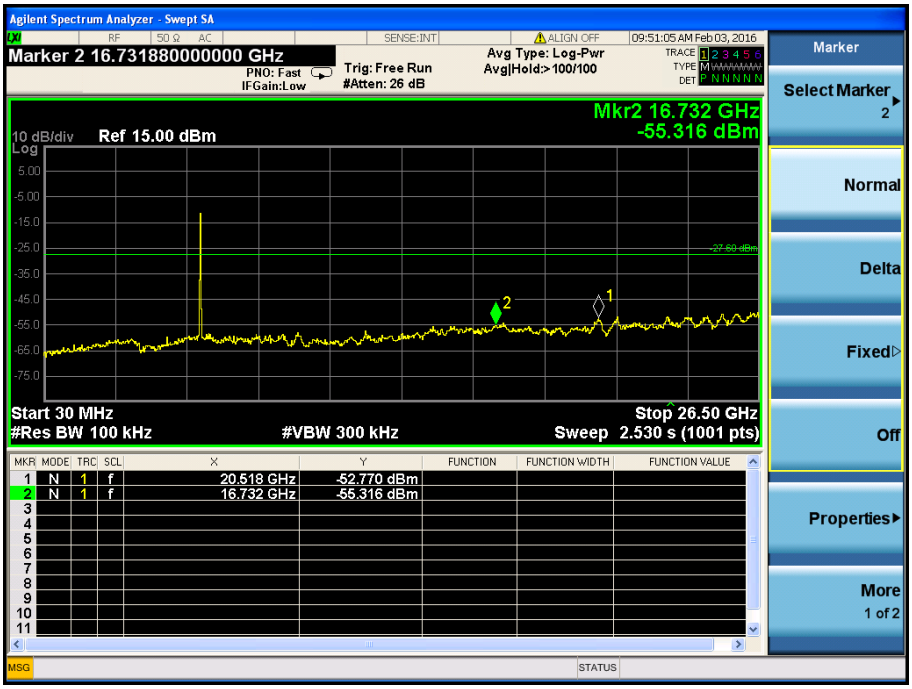
5745MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -21.60 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:21:10 AM Aug 13, 2016
Mkr1 5.747 47 GHz
-1.583 dBm
10 dB/div
Log
Ref 15.00 dBm
-21.60 dBm
Center 5.72500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 70.00 MHz
Sweep 6.733 ms (1001 pts)
1 N 1 f 5.747 47 GHz -1.583 dBm
2 N 1 f 5.725 00 GHz -39.947 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-21.60 dBm
On Off
System
Display
Settings


Agilent Spectrum Analyzer - Swept SA
Marker 1 16.997270000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 8/10
03:02:55 PM Aug 13, 2016
Mkr1 16.997 GHz
-51.598 dBm
10 dB/div
Log
Ref 15.00 dBm
-21.60 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 16.997 GHz -51.598 dBm
2 N 1 f 20.491 GHz -49.469 dBm
Marker Function
Select Marker
1
Marker Noise
Band/Interval
Power
Band/Interval
Density
Marker
Function Off
Band Adjust
Measure at
Marker

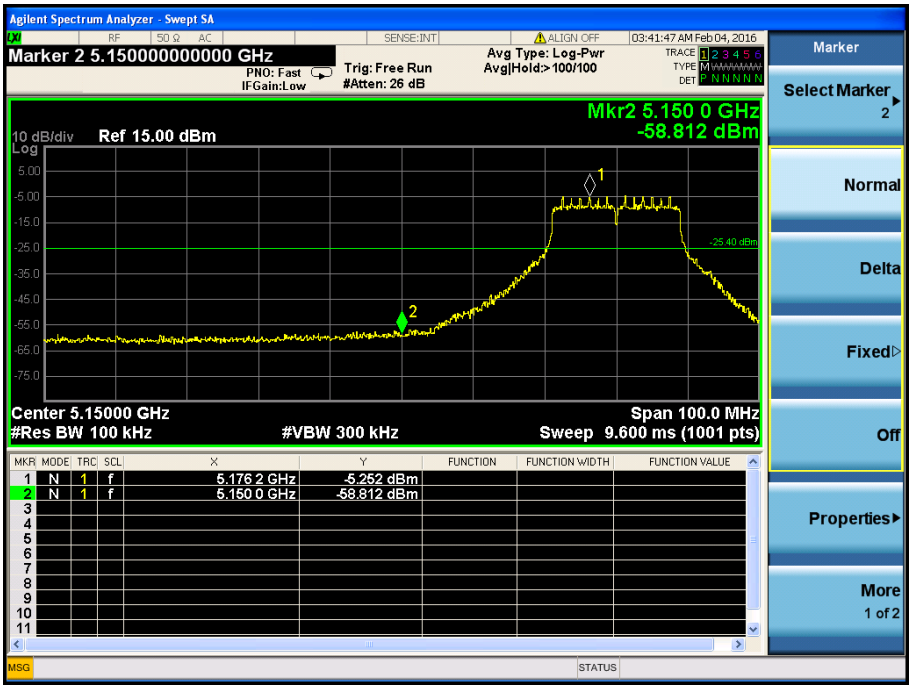
5805MHz

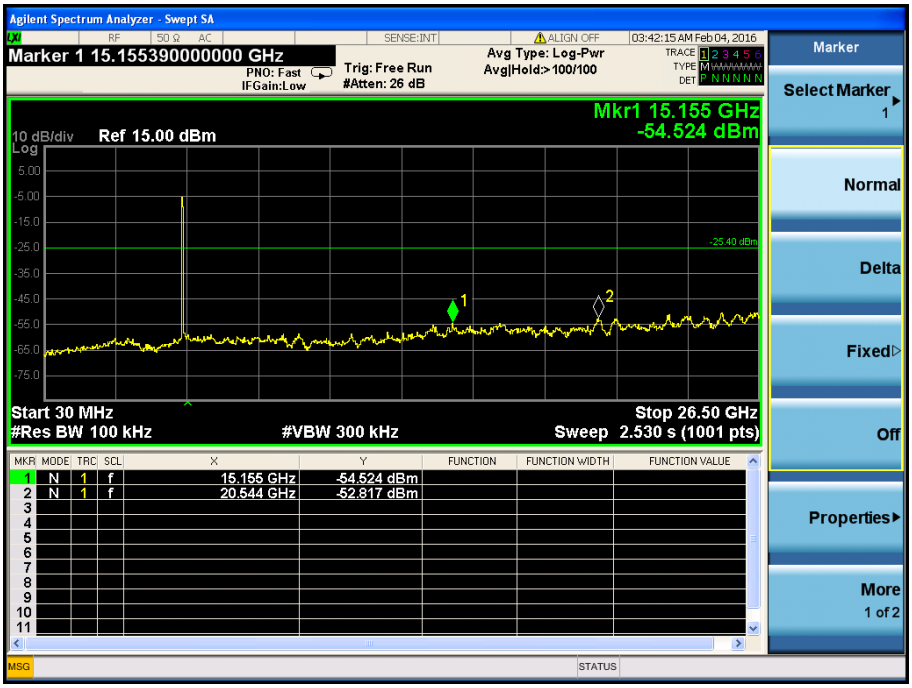

Agilent Spectrum Analyzer - Swept SA
Marker 1 5.850000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
09:50:13 AM Feb 03, 2016
Mkr1 5.850 00 GHz
-59.814 dBm
10 dB/div
Ref 15.00 dBm
Log
Center 5.85000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80.00 MHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.850 00 GHz -59.814 dBm
2 N 1 f 5.826 24 GHz -7.540 dBm
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2


Agilent Spectrum Analyzer - Swept SA
Marker 2 16.731880000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
09:51:05 AM Feb 03, 2016
Mkr2 16.732 GHz
-55.316 dBm
10 dB/div
Ref 15.00 dBm
Log
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 20.518 GHz -52.770 dBm
2 N 1 f 16.732 GHz -55.316 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

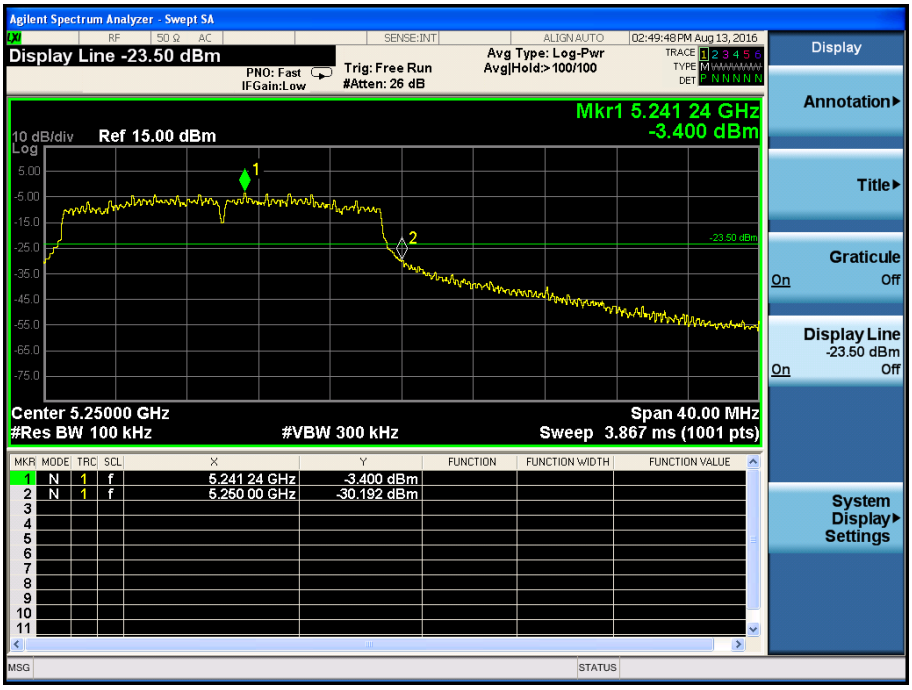
*802.11n-HT20* Bandedge (Conducted)

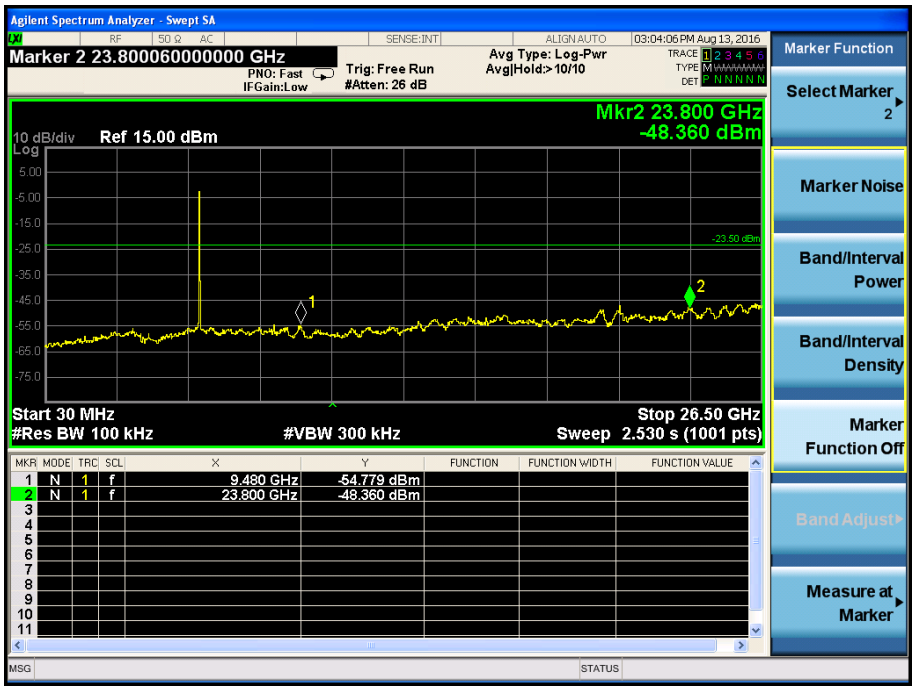
5180MHz



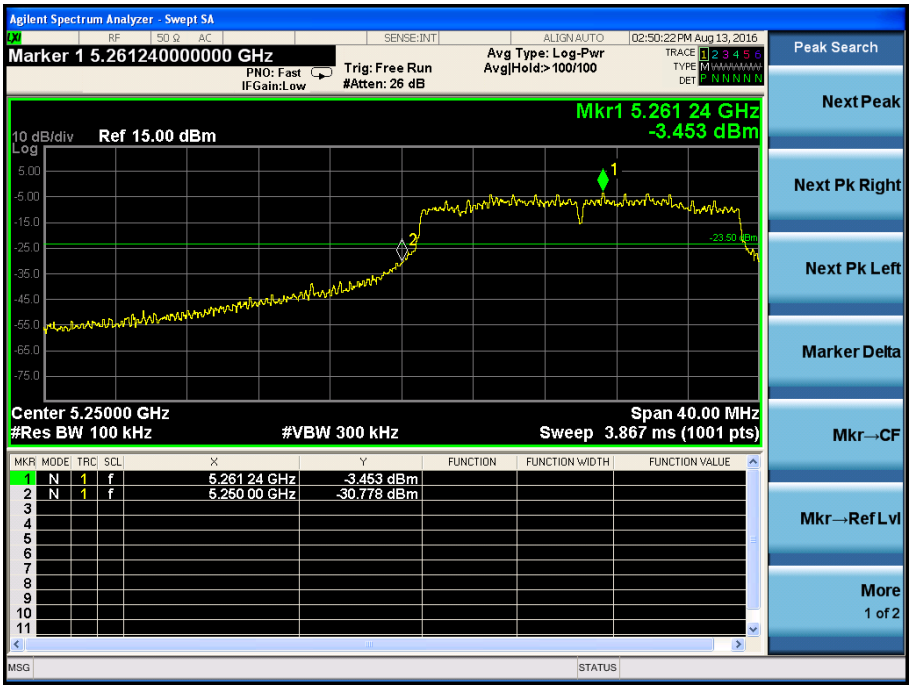



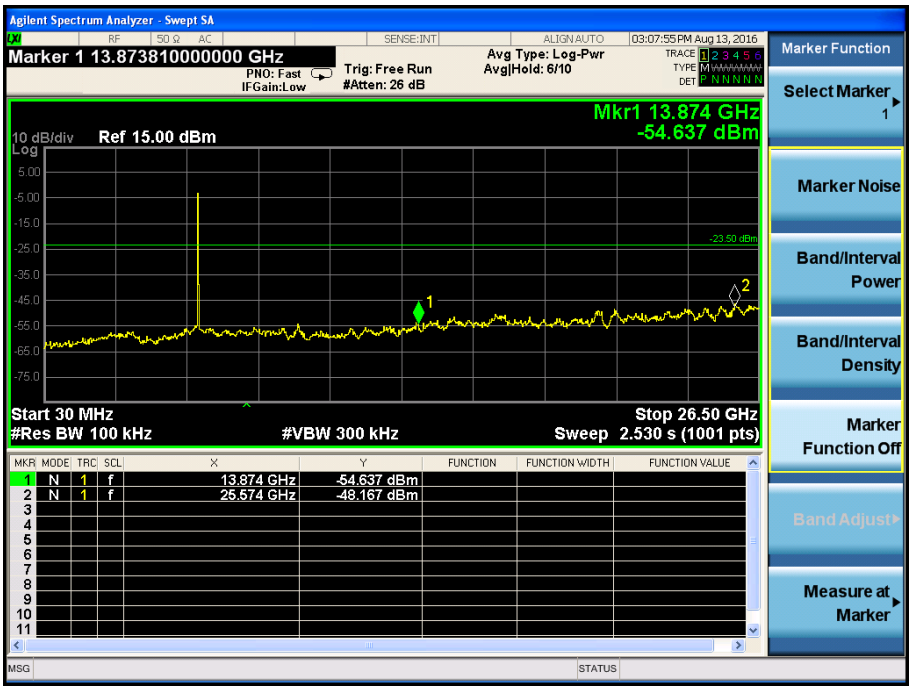
5240MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -23.50 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:49:48 PM Aug 13, 2016
Mkr1 5.241 24 GHz
-3.400 dBm
10 dB/div
Ref 15.00 dBm
Log
Center 5.25000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40.00 MHz
Sweep 3.867 ms (1001 pts)
1 N 1 f 5.241 24 GHz -3.400 dBm
2 N 1 f 5.250 00 GHz -30.192 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-23.50 dBm
On Off
System Display Settings
MSG
STATUS

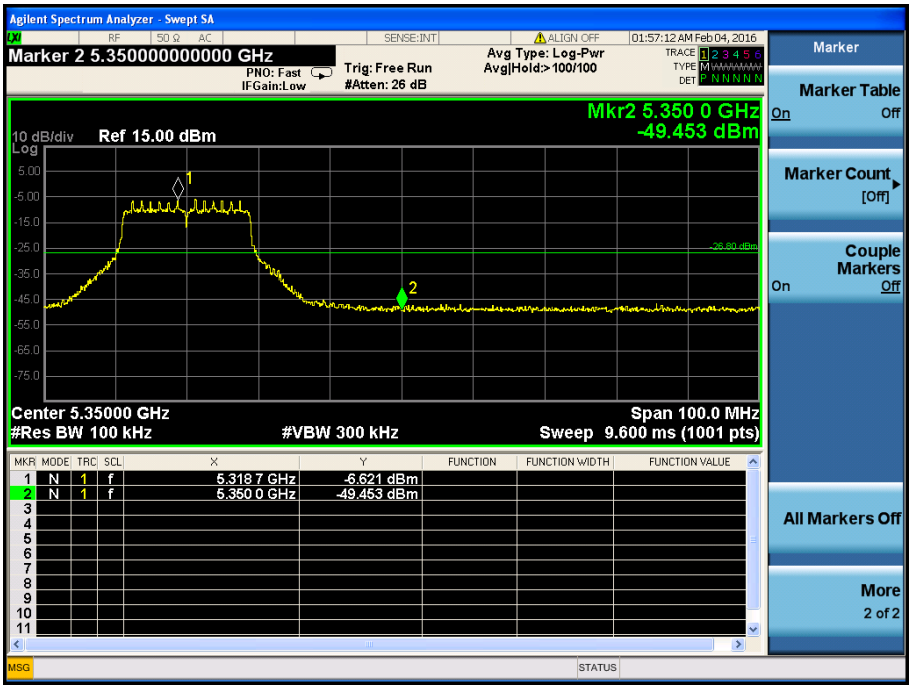

Agilent Spectrum Analyzer - Swept SA
Marker 2 23.800060000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>10/10
03:04:06 PM Aug 13, 2016
Mkr2 23.800 GHz
-48.360 dBm
10 dB/div
Ref 15.00 dBm
Log
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 9.480 GHz -54.779 dBm
2 N 1 f 23.800 GHz -48.360 dBm
Marker Function
Select Marker 2
Marker Noise
Band/Interval Power
Band/Interval Density
Marker Function Off
Band Adjust
Measure at Marker
MSG
STATUS

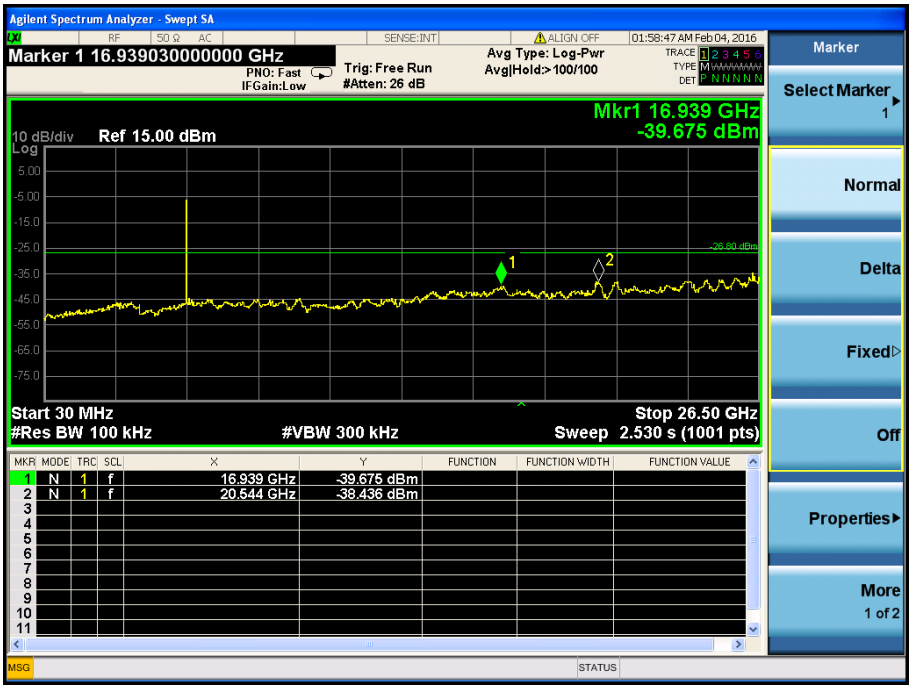
5260MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 5.261240000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:50:22 PM Aug 13, 2016
Mkr1 5.261 24 GHz
-3.453 dBm
10 dB/div
Ref 15.00 dBm
Log
-23.50 dBm
Center 5.25000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40.00 MHz
Sweep 3.867 ms (1001 pts)
1 N 1 f 5.261 24 GHz -3.453 dBm
2 N 1 f 5.250 00 GHz -30.778 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

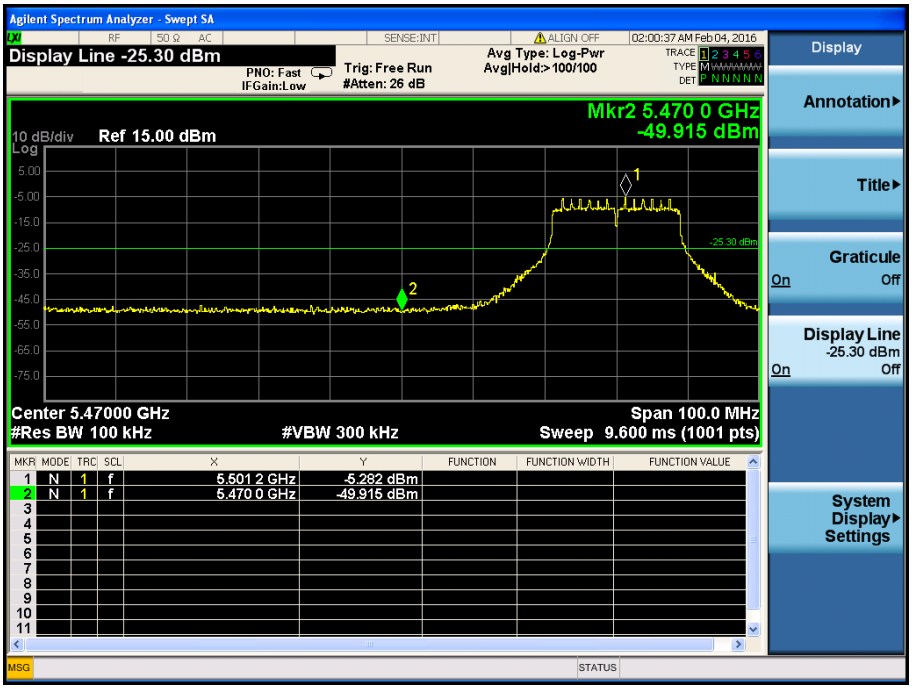

Agilent Spectrum Analyzer - Swept SA
Marker 1 13.873810000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 6/10
03:07:55 PM Aug 13, 2016
Mkr1 13.874 GHz
-54.637 dBm
10 dB/div
Ref 15.00 dBm
Log
-23.50 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 13.874 GHz -54.637 dBm
2 N 1 f 25.574 GHz -48.167 dBm
Marker Function
Select Marker 1
Marker Noise
Band/Interval Power
Band/Interval Density
Marker Function Off
Band Adjust
Measure at Marker

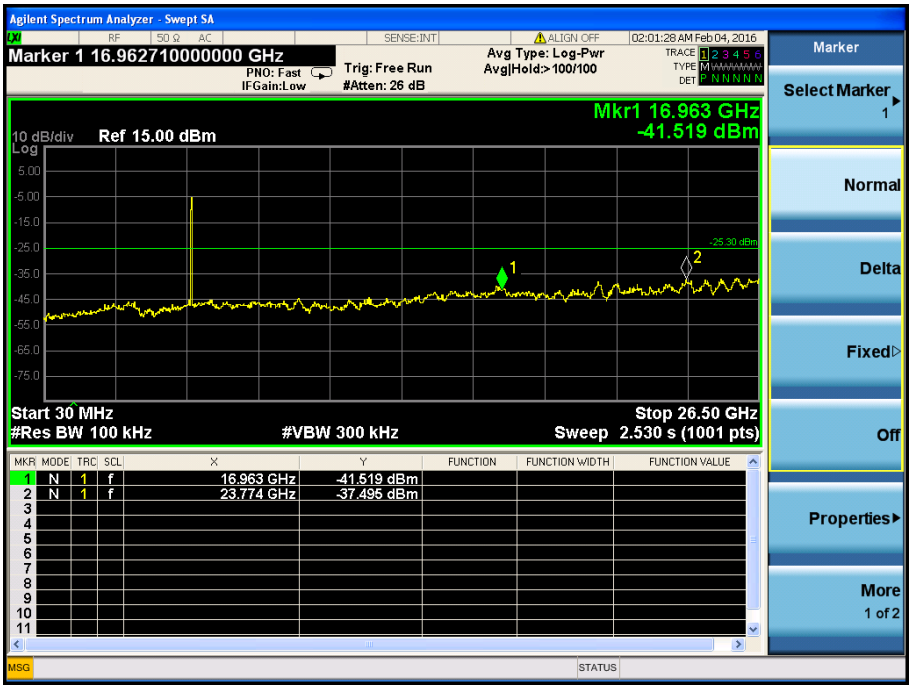
5320MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.350000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
01:57:12 AM Feb 04, 2016
Mkr2 5.350 0 GHz
-49.453 dBm
10 dB/div
Ref 15.00 dBm
Log
-26.80 dBm
Center 5.35000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.318 7 GHz -6.621 dBm
2 N 1 f 5.350 0 GHz -49.453 dBm
Marker
Marker Table
On Off
Marker Count
[Off]
Couple Markers
On Off
All Markers Off
More
2 of 2
MSG
STATUS

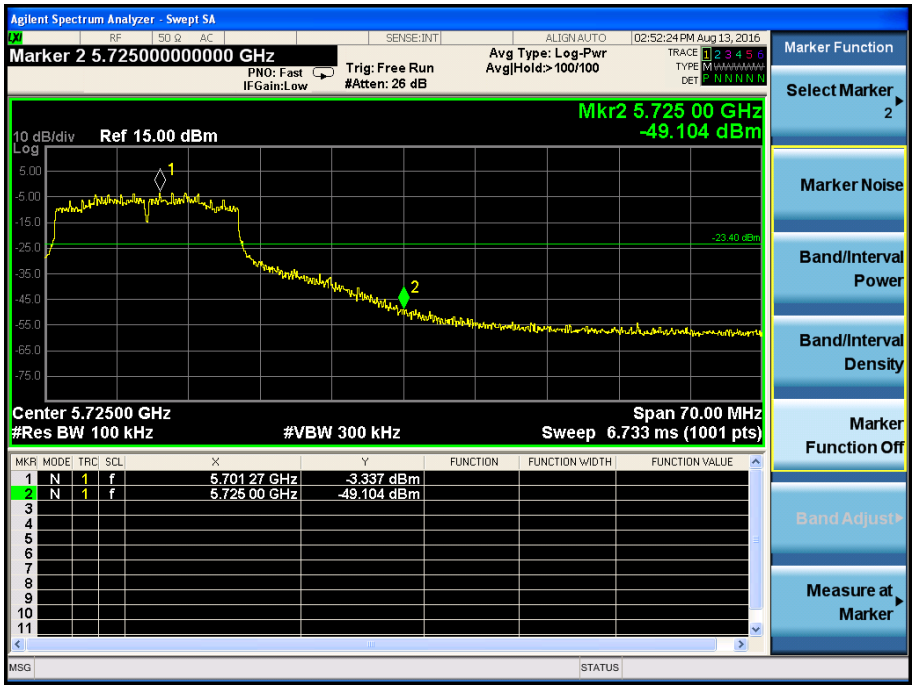

Agilent Spectrum Analyzer - Swept SA
Marker 1 16.939030000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
01:58:47 AM Feb 04, 2016
Mkr1 16.939 GHz
-39.675 dBm
10 dB/div
Ref 15.00 dBm
Log
-26.80 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 16.939 GHz -39.675 dBm
2 N 1 f 20.544 GHz -38.436 dBm
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

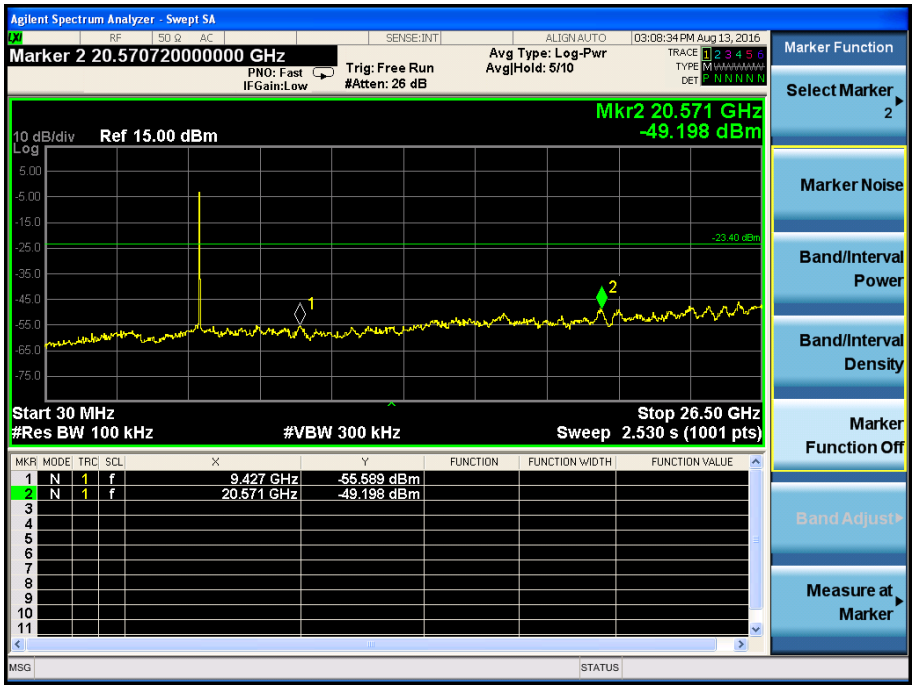
5500MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -25.30 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:00:37 AM Feb 04, 2016
Mkr2 5.470 0 GHz
-49.915 dBm
10 dB/div
Ref 15.00 dBm
Log
-25.30 dBm
Center 5.47000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.501 2 GHz -5.282 dBm
2 N 1 f 5.470 0 GHz -49.915 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-25.30 dBm
On Off
System
Display
Settings
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 1 16.962710000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:01:28 AM Feb 04, 2016
Mkr1 16.963 GHz
-41.519 dBm
10 dB/div
Ref 15.00 dBm
Log
-25.30 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 16.963 GHz -41.519 dBm
2 N 1 f 23.774 GHz -37.495 dBm
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

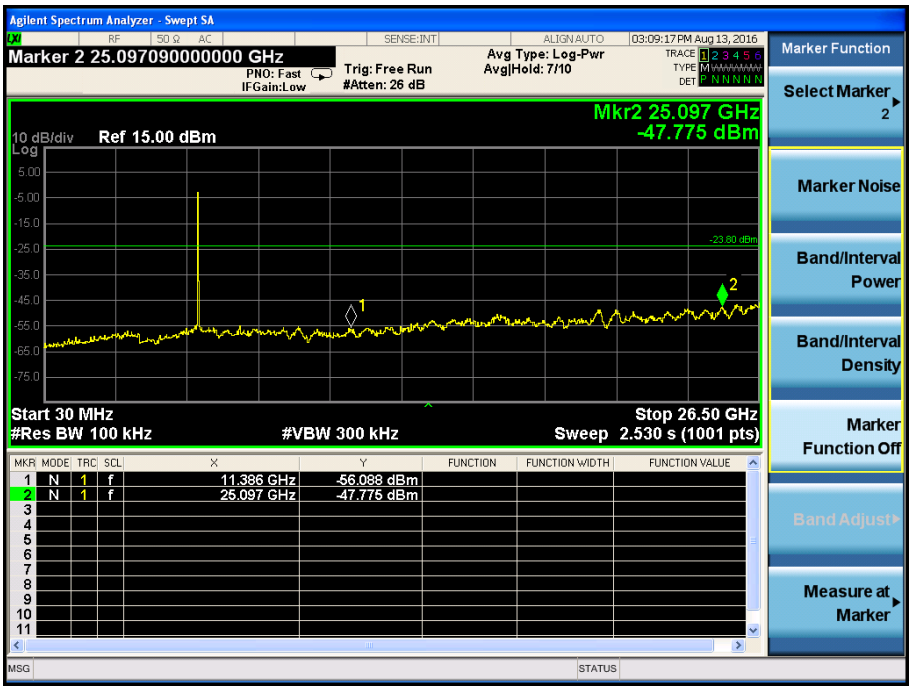
5700MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.725000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:52:24 PM Aug 13, 2016
Mkr2 5.725 00 GHz
-49.104 dBm
10 dB/div
Ref 15.00 dBm
-23.40 dBm
Center 5.72500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 70.00 MHz
Sweep 6.733 ms (1001 pts)
1 N 1 f 5.701 27 GHz -3.337 dBm
2 N 1 f 5.725 00 GHz -49.104 dBm
Marker Function
Select Marker
Marker Noise
Band/Interval Power
Band/Interval Density
Marker Function Off
Band Adjust
Measure at Marker

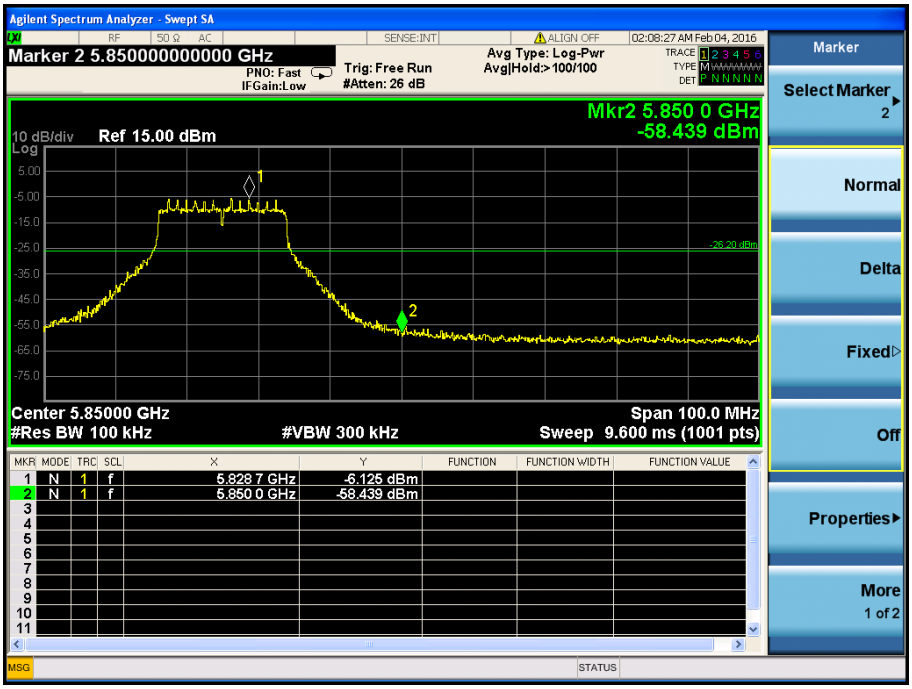

Agilent Spectrum Analyzer - Swept SA
Marker 2 20.570720000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 5/10
03:08:34 PM Aug 13, 2016
Mkr2 20.571 GHz
-49.198 dBm
10 dB/div
Ref 15.00 dBm
-23.40 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 9.427 GHz -55.589 dBm
2 N 1 f 20.571 GHz -49.198 dBm
Marker Function
Select Marker
Marker Noise
Band/Interval Power
Band/Interval Density
Marker Function Off
Band Adjust
Measure at Marker

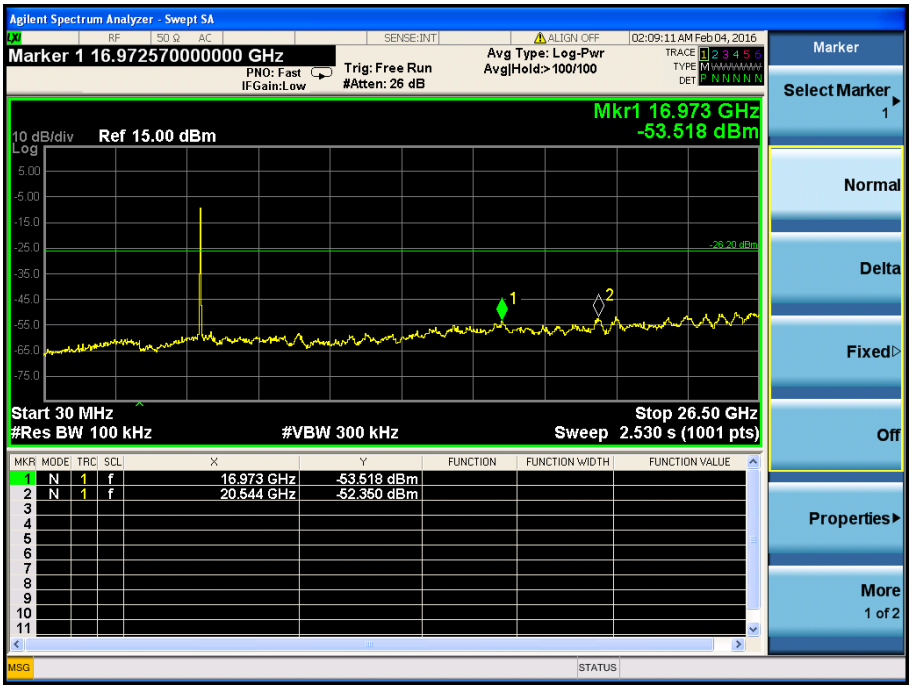
5745MHz


Agilent Spectrum Analyzer - Swept SA
Marker 1 5.725000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:53:26 PM Aug 13, 2016
Mkr1 5.725 00 GHz
-39.138 dBm
10 dB/div
Ref 15.00 dBm
Log
-23.80 dBm
Center 5.72500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60.00 MHz
Sweep 5.800 ms (1001 pts)
1 N 1 f 5.725 00 GHz -39.138 dBm
2 N 1 f 5.746 24 GHz -3.771 dBm
Marker Function
Select Marker 1
Marker Noise
Band/Interval Power
Band/Interval Density
Marker Function Off
Band Adjust
Measure at Marker


Agilent Spectrum Analyzer - Swept SA
Marker 2 25.097090000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 7/10
03:09:17 PM Aug 13, 2016
Mkr2 25.097 GHz
-47.775 dBm
10 dB/div
Ref 15.00 dBm
Log
-23.80 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 11.386 GHz -56.088 dBm
2 N 1 f 25.097 GHz -47.775 dBm
Marker Function
Select Marker 2
Marker Noise
Band/Interval Power
Band/Interval Density
Marker Function Off
Band Adjust
Measure at Marker

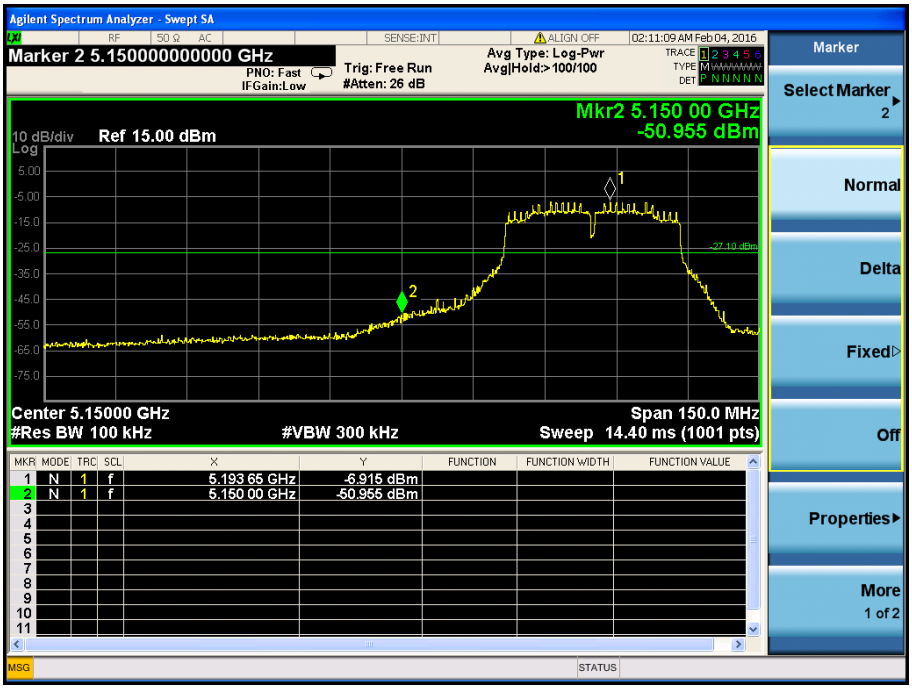
5805MHz

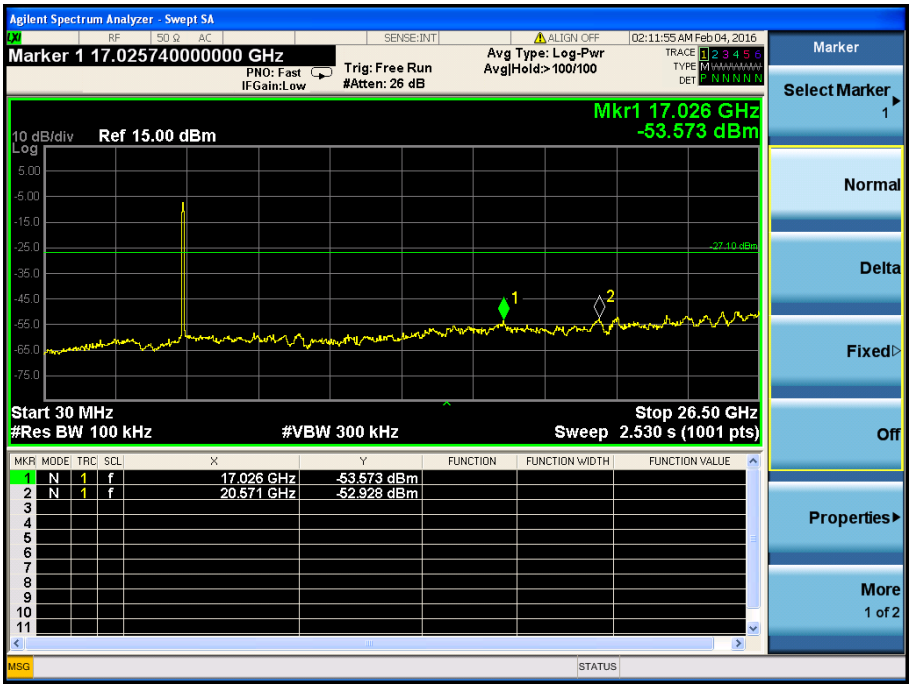

Agilent Spectrum Analyzer - Swept SA
Marker 2 5.850000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:08:27 AM Feb 04, 2016
Mkr2 5.850 0 GHz
-58.439 dBm
10 dB/div
Ref 15.00 dBm
Log
-26.20 dBm
Center 5.85000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.828 7 GHz -6.125 dBm
2 N 1 f 5.850 0 GHz -58.439 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2


Agilent Spectrum Analyzer - Swept SA
Marker 1 16.972570000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:09:11 AM Feb 04, 2016
Mkr1 16.973 GHz
-53.518 dBm
10 dB/div
Ref 15.00 dBm
Log
-26.20 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 16.973 GHz -53.518 dBm
2 N 1 f 20.544 GHz -52.350 dBm
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2

*802.11n-HT40* Bandedge (Conducted)

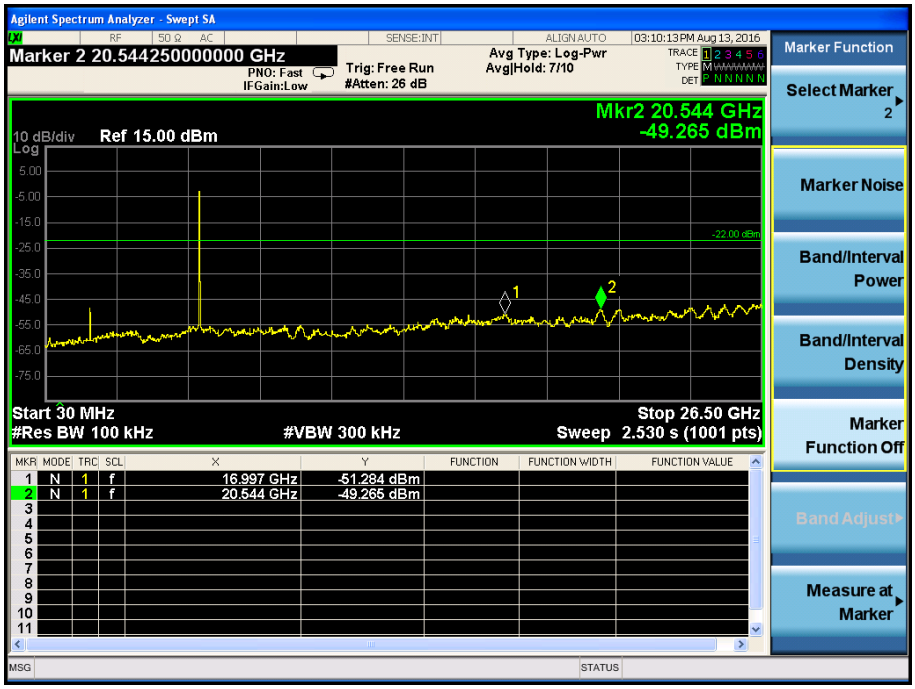
5190MHz



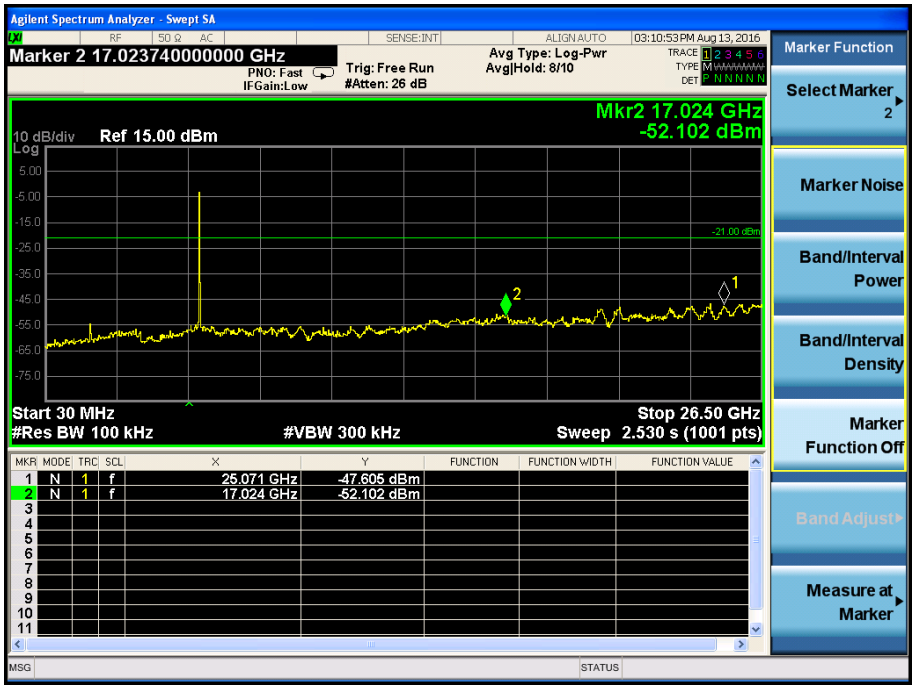
5230MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -22.00 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:24:26 AM Aug 13, 2016
Mkr2 5.250 00 GHz
-24.896 dBm
10 dB/div
Ref 15.00 dBm
Log
-22.00 dBm
Center 5.25000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80.00 MHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.233 76 GHz -1.973 dBm
2 N 1 f 5.250 00 GHz -24.896 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-22.00 dBm
On Off
System
Display
Settings

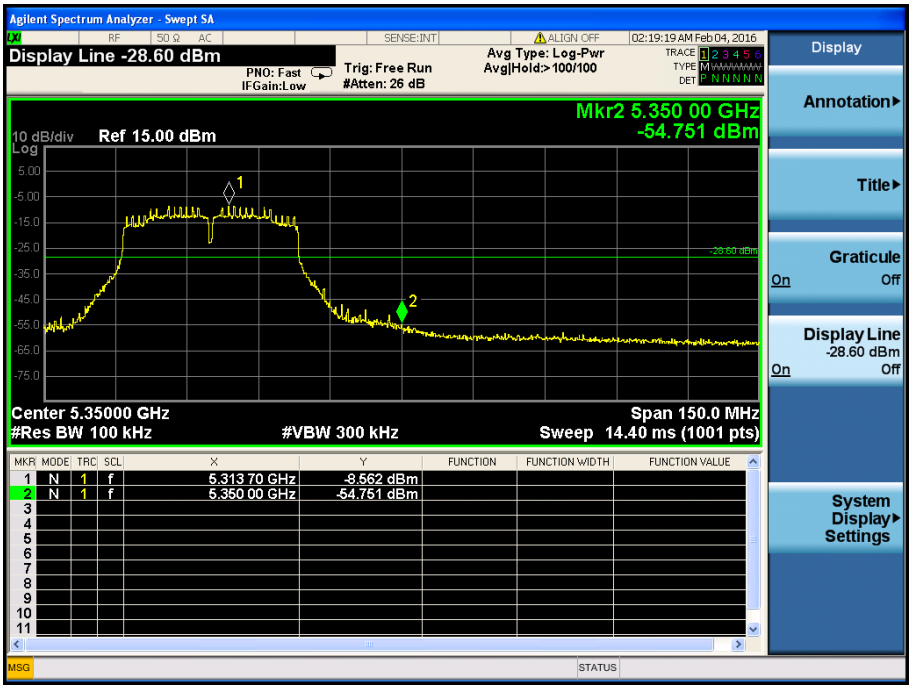

Agilent Spectrum Analyzer - Swept SA
Marker 2 20.544250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 7/10
03:10:13 PM Aug 13, 2016
Mkr2 20.544 GHz
-49.265 dBm
10 dB/div
Ref 15.00 dBm
Log
-22.00 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 16.997 GHz -51.284 dBm
2 N 1 f 20.544 GHz -49.265 dBm
Marker Function
Select Marker
2
Marker Noise
Band/Interval
Power
Band/Interval
Density
Marker
Function Off
Band Adjust
Measure at
Marker

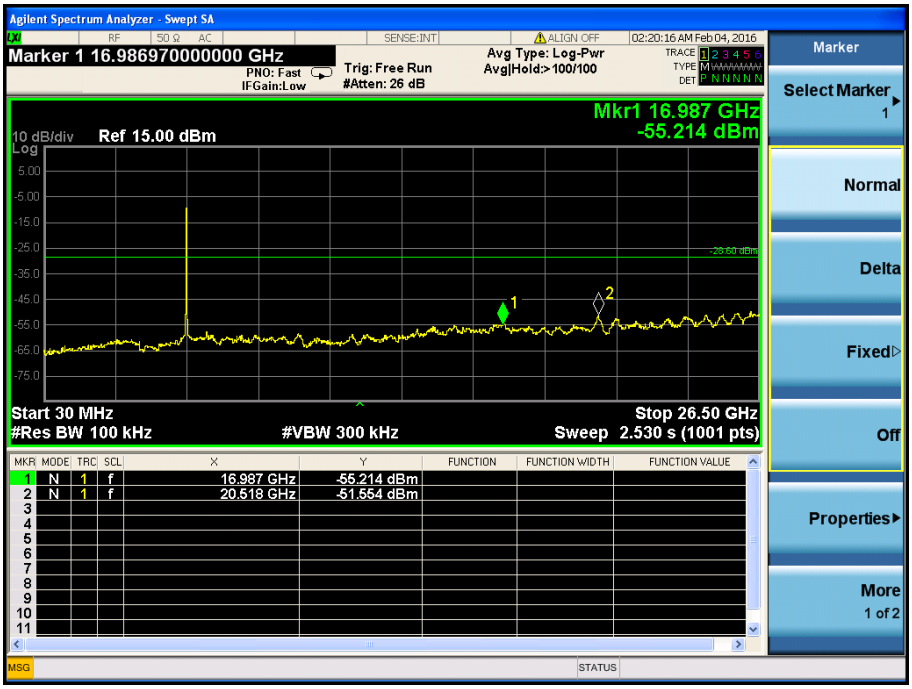
5270MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -21.00 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:25:21 AM Aug 13, 2016
Mkr1 5.264 96 GHz
-0.905 dBm
10 dB/div
Ref 15.00 dBm
Log
Center 5.25000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80.00 MHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.264 96 GHz -0.905 dBm
2 N 1 f 5.250 00 GHz -26.870 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-21.00 dBm
On Off
System
Display
Settings

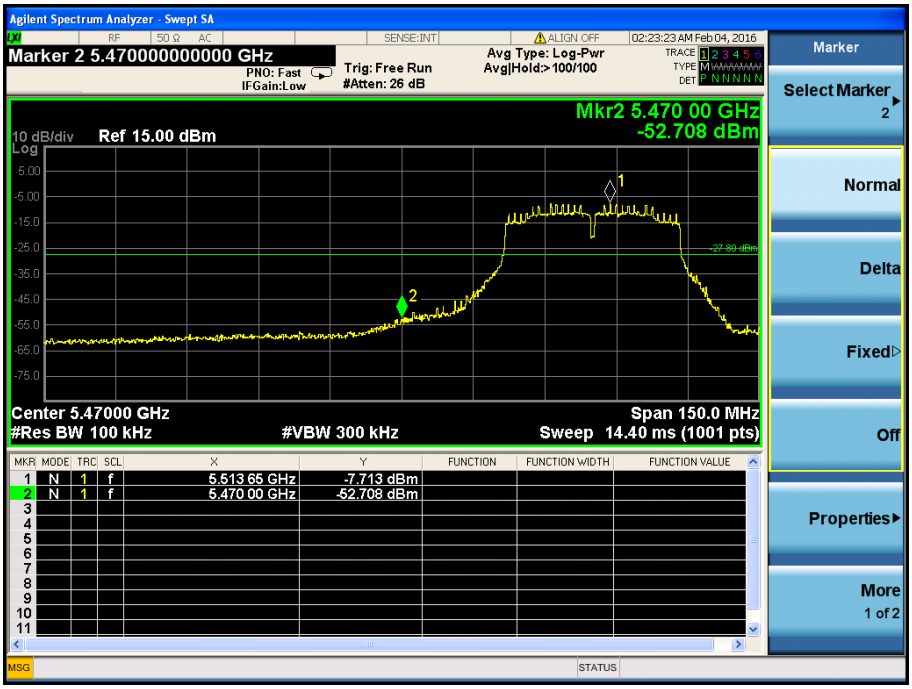

Agilent Spectrum Analyzer - Swept SA
Marker 2 17.023740000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 8/10
03:10:53 PM Aug 13, 2016
Mkr2 17.024 GHz
-52.102 dBm
10 dB/div
Ref 15.00 dBm
Log
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 25.071 GHz -47.605 dBm
2 N 1 f 17.024 GHz -52.102 dBm
Marker Function
Select Marker
2
Marker Noise
Band/Interval
Power
Band/Interval
Density
Marker
Function Off
Band Adjust
Measure at
Marker

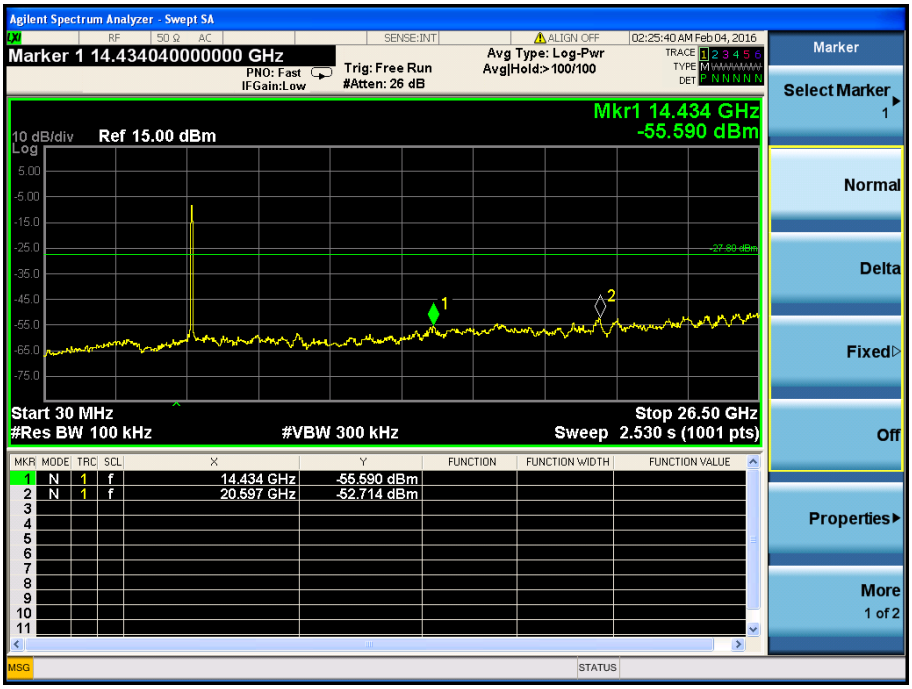
5310MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -28.60 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:19:19 AM Feb 04, 2016
Mkr2 5.350 00 GHz
-54.751 dBm
10 dB/div
Ref 15.00 dBm
Log
Center 5.35000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 150.0 MHz
Sweep 14.40 ms (1001 pts)
1 N 1 f 5.313 70 GHz -8.562 dBm
2 N 1 f 5.350 00 GHz -54.751 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-28.60 dBm
On Off
System
Display
Settings


Agilent Spectrum Analyzer - Swept SA
Marker 1 16.986970000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:20:16 AM Feb 04, 2016
Mkr1 16.987 GHz
-55.214 dBm
10 dB/div
Ref 15.00 dBm
Log
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 16.987 GHz -55.214 dBm
2 N 1 f 20.518 GHz -51.554 dBm
Marker
Select Marker
1
Normal
Delta
Fixed
Off
Properties
More
1 of 2

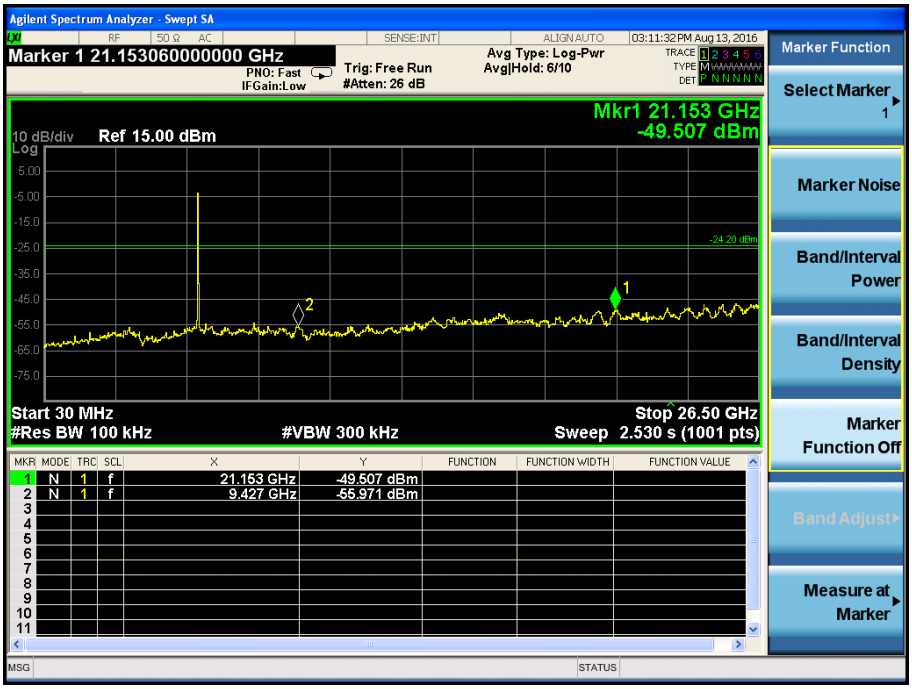
5510MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.470000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:23:23 AM Feb 04, 2016
Mkr2 5.470 00 GHz
-52.708 dBm
10 dB/div
Ref 15.00 dBm
Log
-27.80 dBm
Center 5.47000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 150.0 MHz
Sweep 14.40 ms (1001 pts)
1 N 1 f 5.513 65 GHz -7.713 dBm
2 N 1 f 5.470 00 GHz -52.708 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

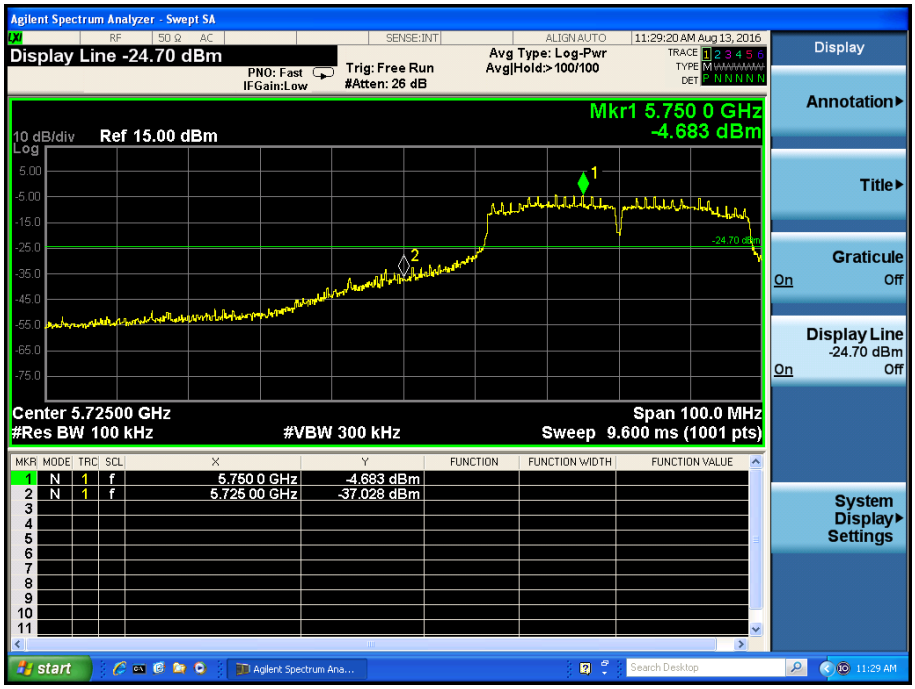

Agilent Spectrum Analyzer - Swept SA
Marker 1 14.434040000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:25:40 AM Feb 04, 2016
Mkr1 14.434 GHz
-55.590 dBm
10 dB/div
Ref 15.00 dBm
Log
-27.80 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 14.434 GHz -55.590 dBm
2 N 1 f 20.597 GHz -52.714 dBm
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2

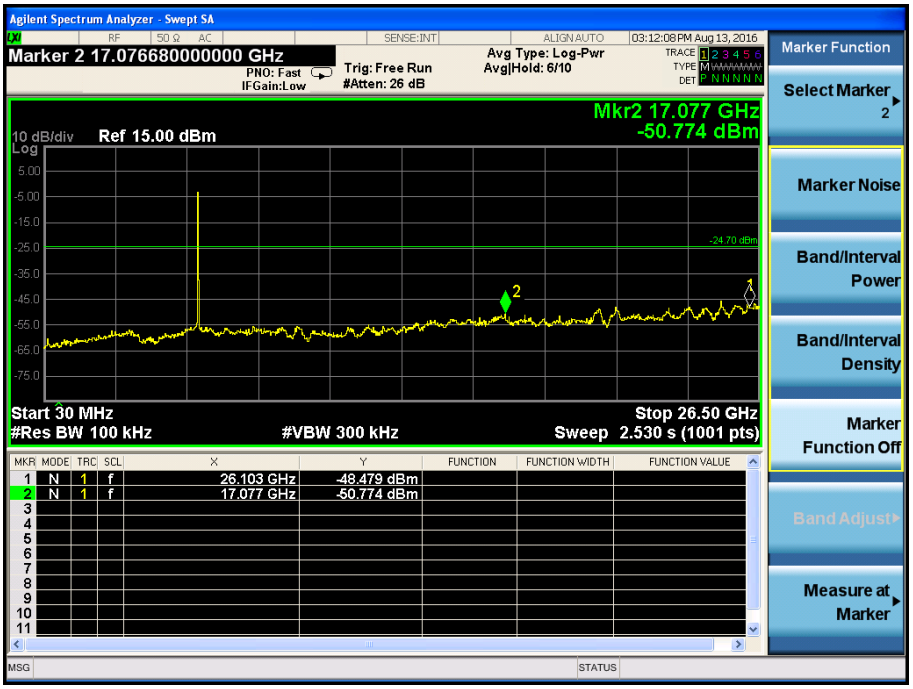
5670MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -24.20 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:27:51 AM Aug 13, 2016
Mkr2 5.725 00 GHz
-48.233 dBm
10 dB/div
Ref 15.00 dBm
Log
-24.20 dBm
Center 5.72500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 160.0 MHz
Sweep 15.33 ms (1001 pts)
1 N 1 f 5.681 16 GHz -4.104 dBm
2 N 1 f 5.725 00 GHz -48.233 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-24.20 dBm
On Off
System
Display
Settings

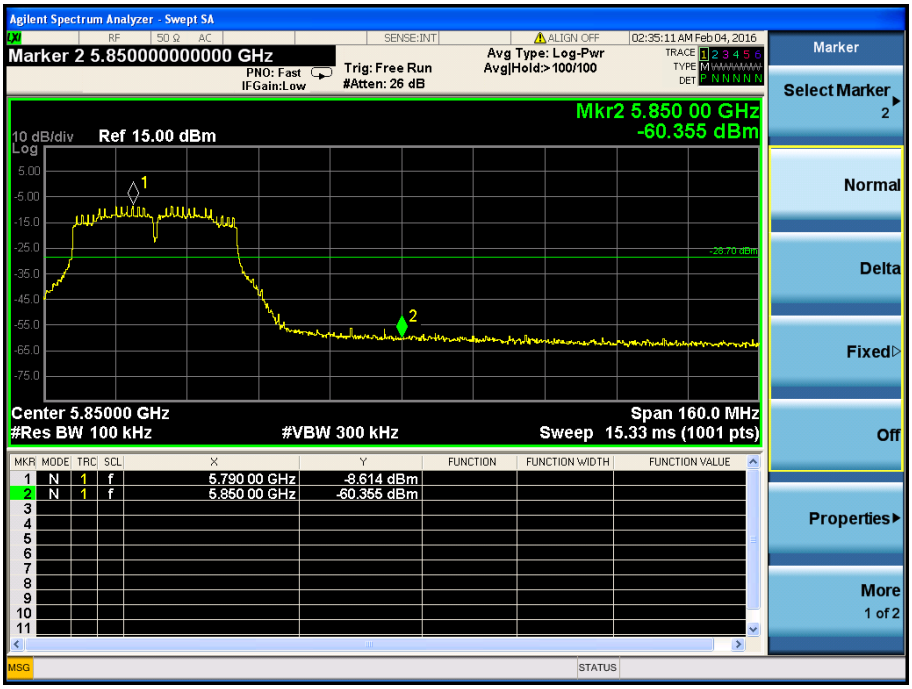

Agilent Spectrum Analyzer - Swept SA
Marker 1 21.153060000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 6/10
03:11:32 PM Aug 13, 2016
Mkr1 21.153 GHz
-49.507 dBm
10 dB/div
Ref 15.00 dBm
Log
-24.20 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 21.153 GHz -49.507 dBm
2 N 1 f 9.427 GHz -55.971 dBm
Marker Function
Select Marker
1
Marker Noise
Band/Interval
Power
Band/Interval
Density
Marker
Function Off
Band Adjust
Measure at
Marker

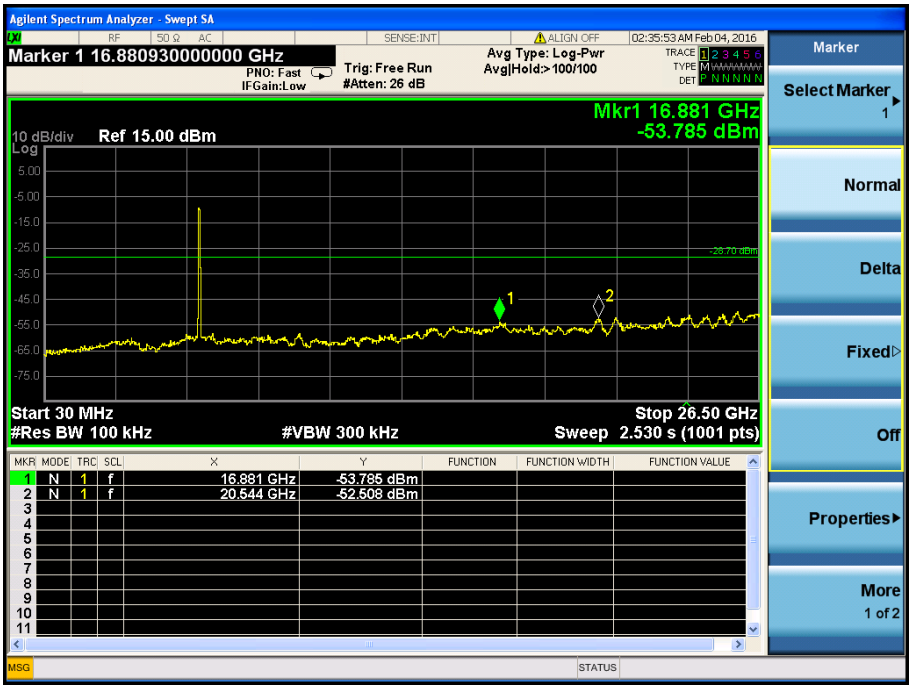
5755MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -24.70 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
11:29:20 AM Aug 13, 2016
Mkr1 5.750 0 GHz
-4.683 dBm
10 dB/div
Ref 15.00 dBm
Log
Center 5.72500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.750 0 GHz -4.683 dBm
2 N 1 f 5.725 00 GHz -37.028 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-24.70 dBm
On Off
System
Display
Settings


Agilent Spectrum Analyzer - Swept SA
Marker 2 17.076680000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 6/10
03:12:08 PM Aug 13, 2016
Mkr2 17.077 GHz
-50.774 dBm
10 dB/div
Ref 15.00 dBm
Log
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 26.103 GHz -48.479 dBm
2 N 1 f 17.077 GHz -50.774 dBm
Marker Function
Select Marker 2
Marker Noise
Band/Interval Power
Band/Interval Density
Marker Function Off
Band Adjust
Measure at Marker

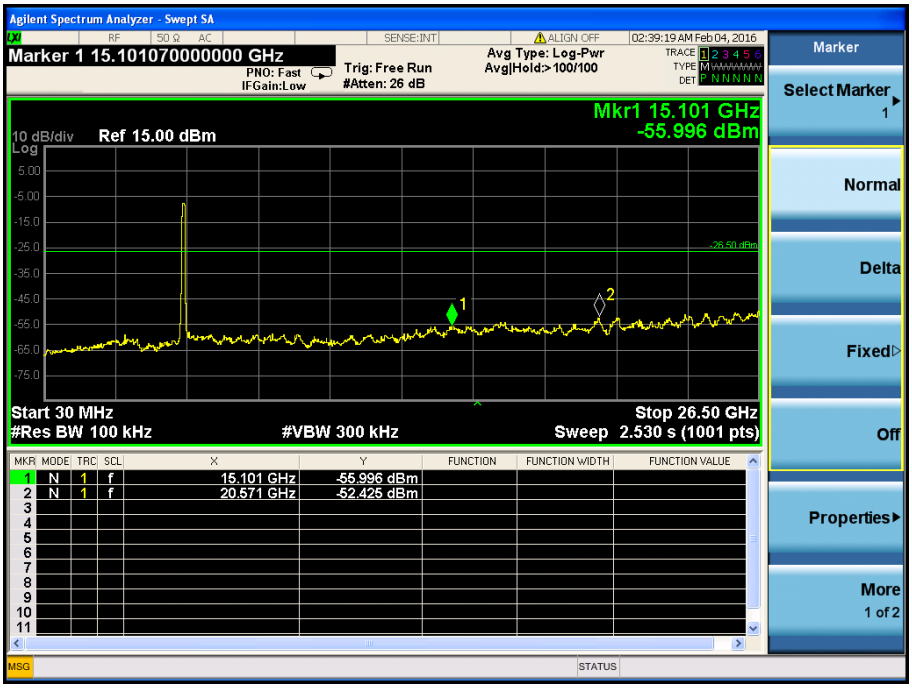
5795MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.850000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:35:11 AM Feb 04, 2016
Mkr2 5.850 00 GHz
-60.355 dBm
10 dB/div
Ref 15.00 dBm
Log
-28.70 dBm
Center 5.85000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 160.0 MHz
Sweep 15.33 ms (1001 pts)
1 N 1 f 5.790 00 GHz -8.614 dBm
2 N 1 f 5.850 00 GHz -60.355 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

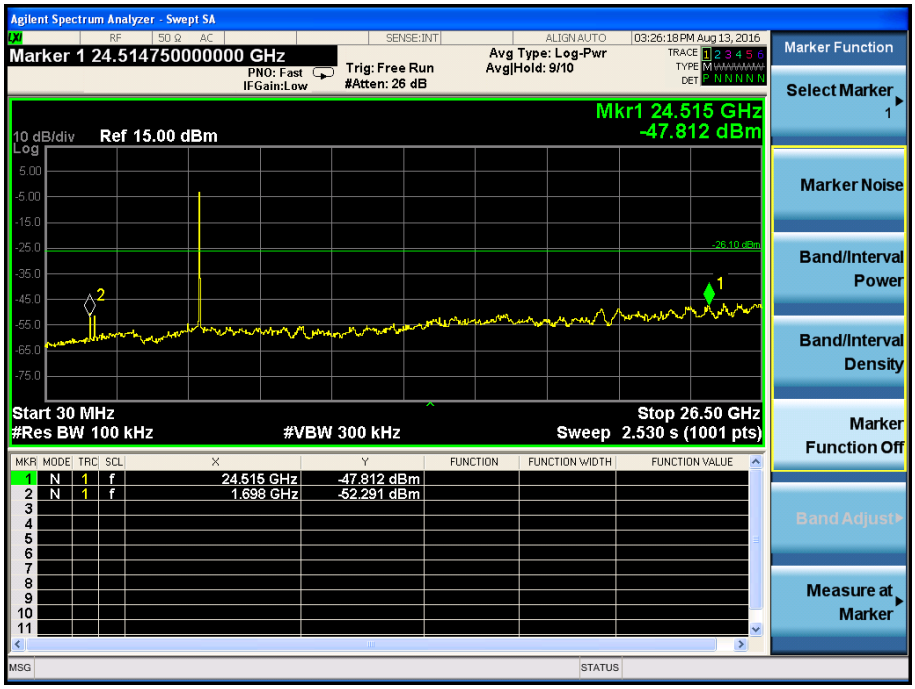

Agilent Spectrum Analyzer - Swept SA
Marker 1 16.880930000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:35:53 AM Feb 04, 2016
Mkr1 16.881 GHz
-53.785 dBm
10 dB/div
Ref 15.00 dBm
Log
-28.70 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 16.881 GHz -53.785 dBm
2 N 1 f 20.544 GHz -52.508 dBm
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2

*802.11ac-HT80* Bandedge (Conducted)

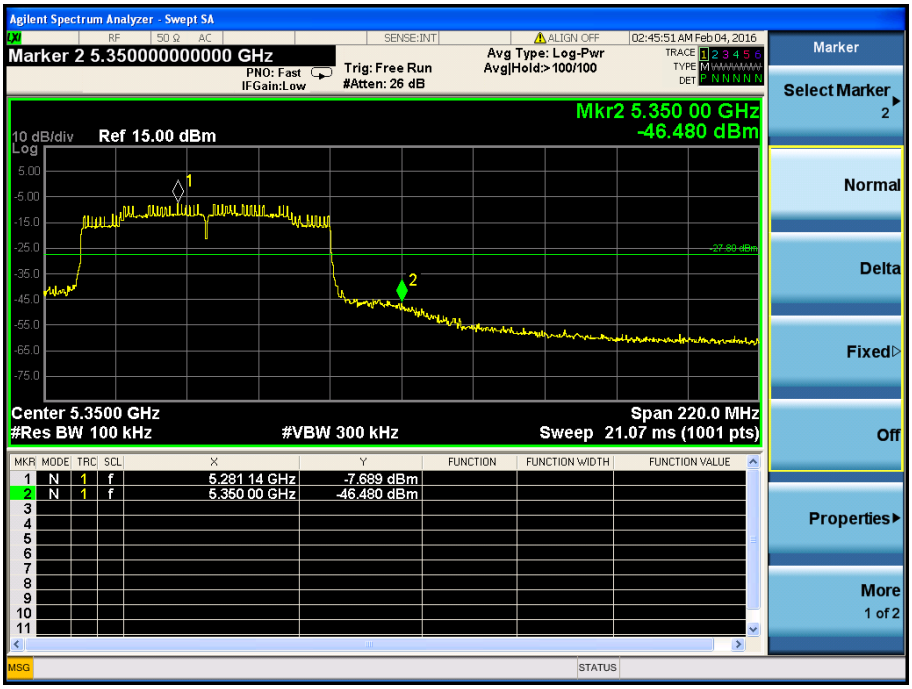
5210MHz

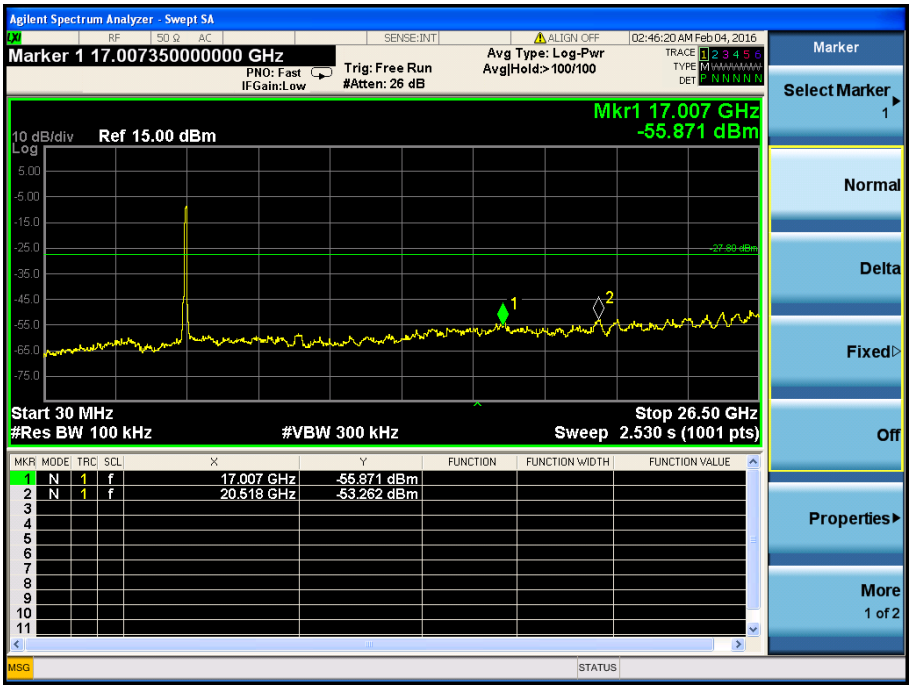




Agilent Spectrum Analyzer - Swept SA
Marker 2 5.250000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:32:40 PM Aug 13, 2016
Mkr2 5.250 00 GHz
-30.023 dBm
10 dB/div
Ref 15.00 dBm
Log
-26.10 dBm
Center 5.25000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 160.0 MHz
Sweep 15.33 ms (1001 pts)
1 N 1 f 5.234 96 GHz -6.023 dBm
2 N 1 f 5.250 00 GHz -30.023 dBm
Marker Function
Select Marker 2
Marker Noise
Band/Interval Power
Band/Interval Density
Marker Function Off
Band Adjust
Measure at Marker

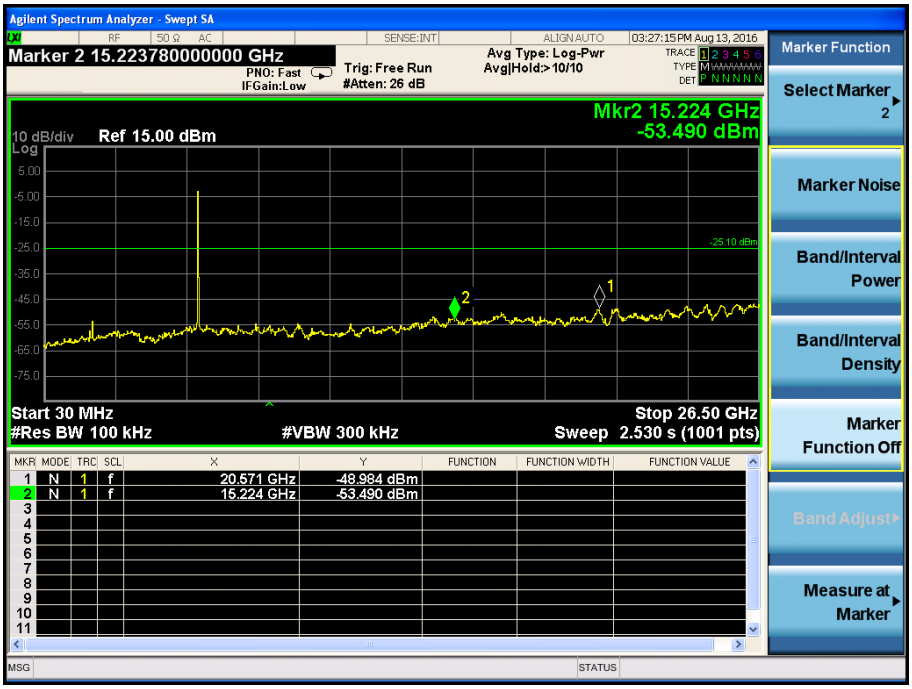

Agilent Spectrum Analyzer - Swept SA
Marker 1 24.514750000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 9/10
03:26:18 PM Aug 13, 2016
Mkr1 24.515 GHz
-47.812 dBm
10 dB/div
Ref 15.00 dBm
Log
-26.10 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 24.515 GHz -47.812 dBm
2 N 1 f 1.698 GHz -52.291 dBm
Marker Function
Select Marker 1
Marker Noise
Band/Interval Power
Band/Interval Density
Marker Function Off
Band Adjust
Measure at Marker

5290MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.350000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:45:51 AM Feb 04, 2016
Mkr2 5.350 00 GHz
-46.480 dBm
10 dB/div
Ref 15.00 dBm
Log
-27.80 dBm
Center 5.3500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 220.0 MHz
Sweep 21.07 ms (1001 pts)
1 N 1 f 5.281 14 GHz -7.689 dBm
2 N 1 f 5.350 00 GHz -46.480 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2

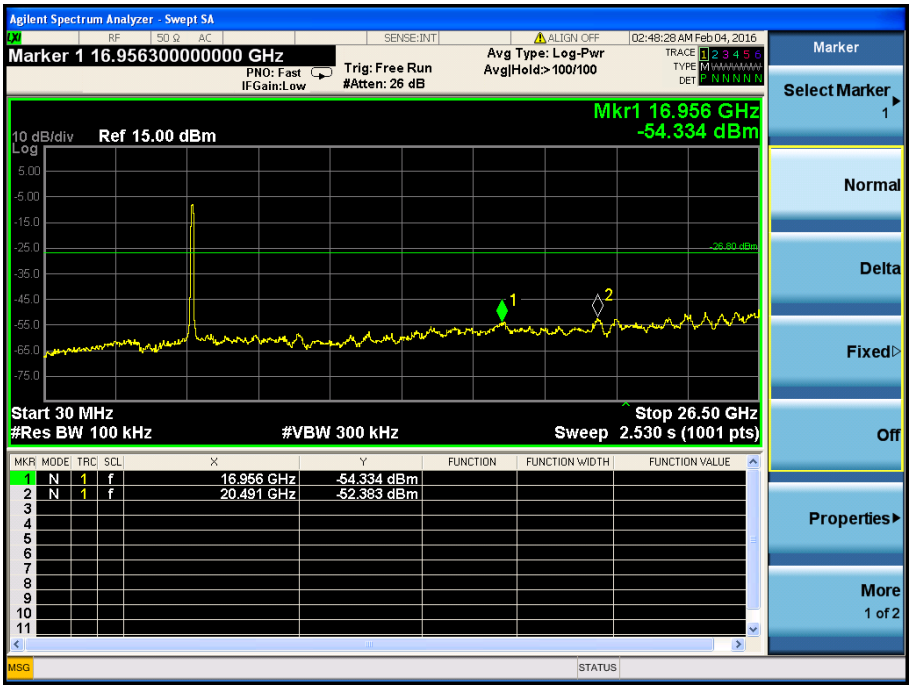

Agilent Spectrum Analyzer - Swept SA
Marker 1 17.007350000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:46:20 AM Feb 04, 2016
Mkr1 17.007 GHz
-55.871 dBm
10 dB/div
Ref 15.00 dBm
Log
-27.80 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 17.007 GHz -55.871 dBm
2 N 1 f 20.518 GHz -53.262 dBm
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2


Agilent Spectrum Analyzer - Swept SA
Display Line -25.10 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:03:31 PM Aug 13, 2016
Mkr1 5.305 08 GHz
-5.072 dBm
10 dB/div
Ref 15.00 dBm
Log
Center 5.25000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 180.0 MHz
Sweep 17.27 ms (1001 pts)
1 N 1 f 5.305 08 GHz -5.072 dBm
2 N 1 f 5.250 00 GHz -31.985 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-25.10 dBm
On Off
System
Display
Settings
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 2 15.223780000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>10/10
03:27:15 PM Aug 13, 2016
Mkr2 15.224 GHz
-53.490 dBm
10 dB/div
Ref 15.00 dBm
Log
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 20.571 GHz -48.984 dBm
2 N 1 f 15.224 GHz -53.490 dBm
Marker Function
Select Marker
2
Marker Noise
Band/Interval
Power
Band/Interval
Density
Marker
Function Off
Band Adjust
Measure at
Marker
MSG
STATUS

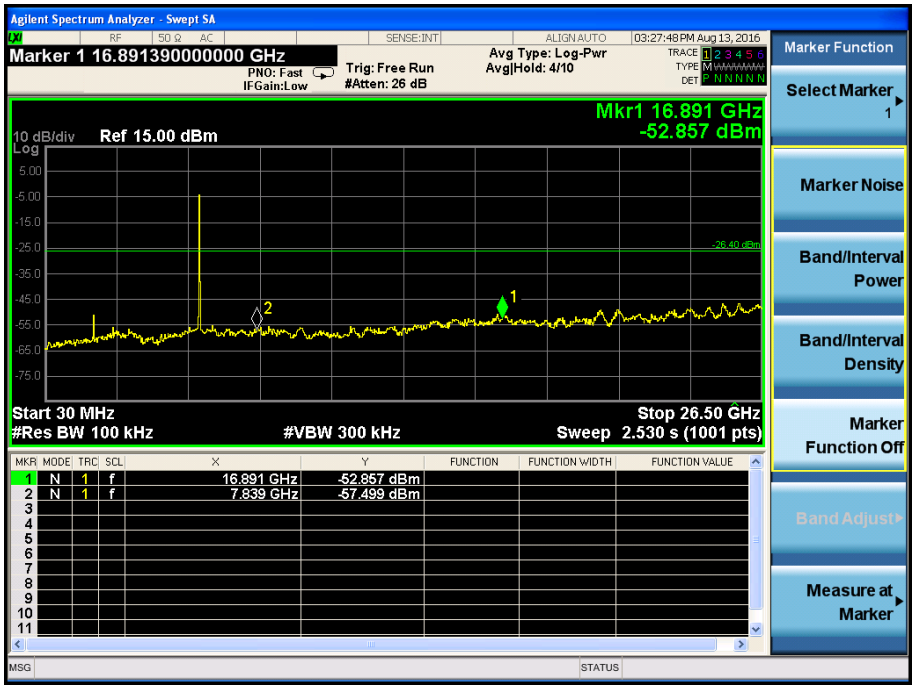
5530MHz


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.470000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:47:54 AM Feb 04, 2016
Mkr2 5.470 00 GHz
-40.911 dBm
10 dB/div
Ref 15.00 dBm
Log
-26.80 dBm
Center 5.4700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 220.0 MHz
Sweep 21.07 ms (1001 pts)
1 N 1 f 5.521 26 GHz -6.765 dBm
2 N 1 f 5.470 00 GHz -40.911 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2


Agilent Spectrum Analyzer - Swept SA
Marker 1 16.956300000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:48:28 AM Feb 04, 2016
Mkr1 16.956 GHz
-54.334 dBm
10 dB/div
Ref 15.00 dBm
Log
-26.80 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 16.956 GHz -54.334 dBm
2 N 1 f 20.491 GHz -52.383 dBm
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2

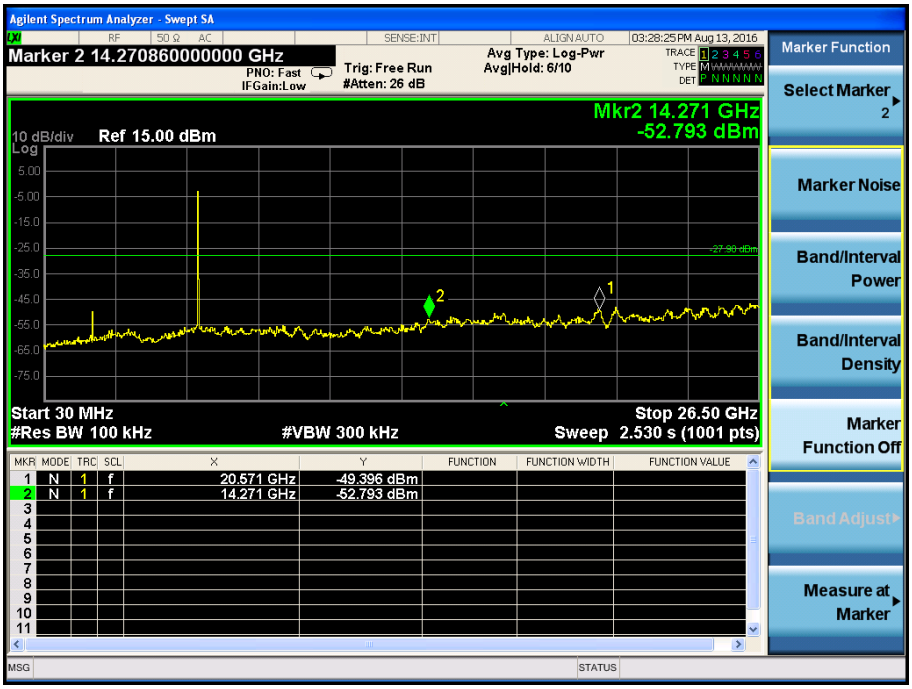
5670MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -26.40 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:05:43 PM Aug 13, 2016
Mkr2 5.730 00 GHz
-29.992 dBm
10 dB/div
Log
Ref 15.00 dBm
-26.40 dBm
Center 5.73000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 180.0 MHz
Sweep 17.27 ms (1001 pts)
1 N 1 f 5.715 06 GHz -6.374 dBm
2 N 1 f 5.730 00 GHz -29.992 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-26.40 dBm
On Off
System
Display
Settings
MSG
STATUS

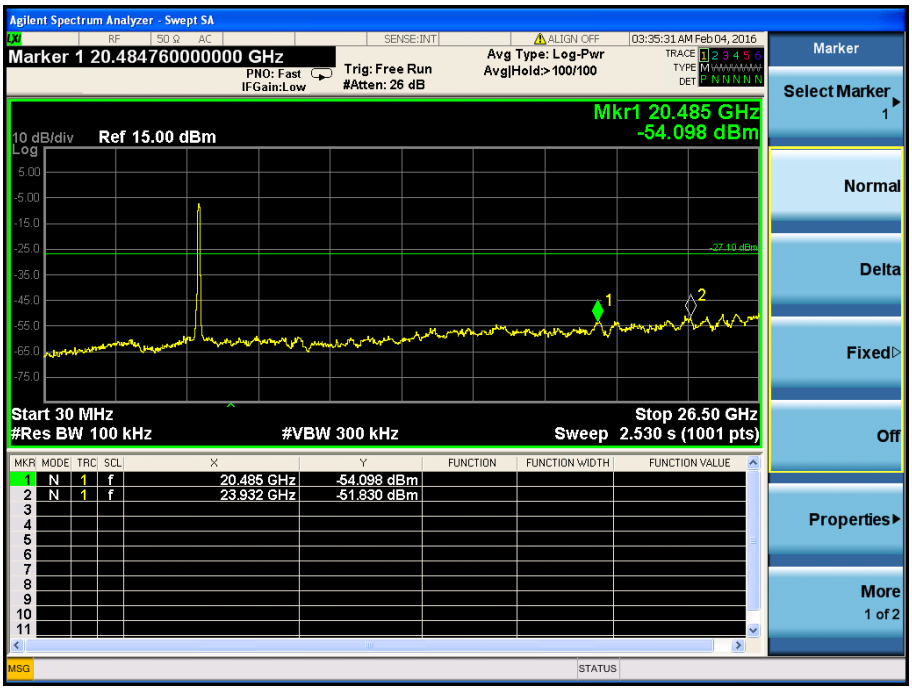

Agilent Spectrum Analyzer - Swept SA
Marker 1 16.891390000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 4/10
03:27:48 PM Aug 13, 2016
Mkr1 16.891 GHz
-52.857 dBm
10 dB/div
Log
Ref 15.00 dBm
-26.40 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 16.891 GHz -52.857 dBm
2 N 1 f 7.839 GHz -57.499 dBm
Marker Function
Select Marker
1
Marker Noise
Band/Interval
Power
Band/Interval
Density
Marker
Function Off
Band Adjust
Measure at
Marker
MSG
STATUS

5775MHz


Agilent Spectrum Analyzer - Swept SA
Display Line -27.90 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
02:07:01 PM Aug 13, 2016
Mkr1 5.749 98 GHz
-7.806 dBm
10 dB/div
Ref 15.00 dBm
Log
Center 5.73000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 180.0 MHz
Sweep 17.27 ms (1001 pts)
1 N 1 f 5.749 98 GHz -7.806 dBm
2 N 1 f 5.730 00 GHz -32.019 dBm
Display
Annotation
Title
Graticule
On Off
Display Line
-27.90 dBm
On Off
System
Display
Settings
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 2 14.270860000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 6/10
03:28:25 PM Aug 13, 2016
Mkr2 14.271 GHz
-52.793 dBm
10 dB/div
Ref 15.00 dBm
Log
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 20.571 GHz -49.396 dBm
2 N 1 f 14.271 GHz -52.793 dBm
Marker Function
Select Marker
2
Marker Noise
Band/Interval
Power
Band/Interval
Density
Marker
Function Off
Band Adjust
Measure at
Marker
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 2 5.850000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:35:03 AM Feb 04, 2016
Mkr2 5.850 00 GHz
-53.986 dBm
10 dB/div
Ref 15.00 dBm
Log
-27.10 dBm
Center 5.8500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 240.0 MHz
Sweep 23.00 ms (1001 pts)
1 N 1 f 5.767 44 GHz -7.090 dBm
2 N 1 f 5.850 00 GHz -53.986 dBm
Marker
Select Marker 2
Normal
Delta
Fixed
Off
Properties
More 1 of 2


Agilent Spectrum Analyzer - Swept SA
Marker 1 20.484760000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
03:35:31 AM Feb 04, 2016
Mkr1 20.485 GHz
-54.098 dBm
10 dB/div
Ref 15.00 dBm
Log
-27.10 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 20.485 GHz -54.098 dBm
2 N 1 f 23.932 GHz -51.830 dBm
Marker
Select Marker 1
Normal
Delta
Fixed
Off
Properties
More 1 of 2

# 11. Frequency Stability

## 11.1 Standard Applicable

According to §15.407(g), Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

## 11.2 Test Procedure

According to §2.1055, the following test procedure was performed.
The Frequency Stability is measured directly with a Frequency Domain Analyzer. Frequency Deviation in ppm is calculated from the measured peak to peak value.
The Carrier Frequency Stability over Power Supply Voltage and over Temperature is measured with a Frequency Domain Analyzer in histogram mode

| Temperature: | Supply Voltage |
|---|---|
| 20°C | DC 6.3-8.5V declared by manufacturer |
| -30°C to +50°C | Normal |

## 11.3 Environmental Conditions

| | |
|---|---|
| Temperature: | 20°C |
| Relative Humidity: | 54% |
| ATM Pressure: | 1011 mbar |

## 11.4 Summary of Test Results/Plots

*5150-5250MHz*

802.11a

| Reference Frequency(Middle Channel): 5200 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 121 | 0.0231 |
| 40 | 7.4 | 118 | 0.0225 |
| 30 | 7.4 | 116 | 0.0221 |
| 20 | 7.4 | 124 | 0.0237 |
| 10 | 7.4 | 136 | 0.0260 |
| 0 | 7.4 | 141 | 0.0269 |
| -10 | 7.4 | 133 | 0.0254 |
| -20 | 7.4 | 128 | 0.0244 |
| -30 | 7.4 | 144 | 0.0275 |

802.11n_HT20

| Reference Frequency(Middle Channel): 5200 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 141 | 0.0269 |
| 40 | 7.4 | 128 | 0.0244 |
| 30 | 7.4 | 124 | 0.0237 |
| 20 | 7.4 | 154 | 0.0294 |
| 10 | 7.4 | 114 | 0.0218 |
| 0 | 7.4 | 134 | 0.0256 |
| -10 | 7.4 | 147 | 0.0281 |
| -20 | 7.4 | 118 | 0.0225 |
| -30 | 7.4 | 126 | 0.0240 |

802.11n_HT40

| Reference Frequency(Middle Channel): 5200 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 142 | 0.0277 |
| 40 | 7.4 | 147 | 0.0274 |
| 30 | 7.4 | 143 | 0.0276 |
| 20 | 7.4 | 134 | 0.0254 |
| 10 | 7.4 | 149 | 0.0285 |
| 0 | 7.4 | 150 | 0.0296 |
| -10 | 7.4 | 156 | 0.0300 |
| -20 | 7.4 | 150 | 0.0270 |
| -30 | 7.4 | 146 | 0.0281 |

802.11ac_HT80

| Reference Frequency(Middle Channel): 5200 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 141 | 0.0270 |
| 40 | 7.4 | 145 | 0.0277 |
| 30 | 7.4 | 141 | 0.0270 |
| 20 | 7.4 | 131 | 0.0250 |
| 10 | 7.4 | 148 | 0.0283 |
| 0 | 7.4 | 152 | 0.0291 |
| -10 | 7.4 | 158 | 0.0302 |
| -20 | 7.4 | 151 | 0.0289 |
| -30 | 7.4 | 149 | 0.0285 |

5250-5350MHz

802.11a

| Reference Frequency(Middle Channel): 5300 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 118 | 0.0284 |
| 40 | 7.4 | 124 | 0.0286 |
| 30 | 7.4 | 134 | 0.0290 |
| 20 | 7.4 | 127 | 0.0283 |
| 10 | 7.4 | 116 | 0.0290 |
| 0 | 7.4 | 148 | 0.0291 |
| -10 | 7.4 | 157 | 0.0309 |
| -20 | 7.4 | 179 | 0.0253 |
| -30 | 7.4 | 162 | 0.0327 |

802.11n_HT20

| Reference Frequency(Middle Channel): 5300MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 114 | 0.0267 |
| 40 | 7.4 | 131 | 0.0262 |
| 30 | 7.4 | 142 | 0.0273 |
| 20 | 7.4 | 151 | 0.0260 |
| 10 | 7.4 | 163 | 0.0265 |
| 0 | 7.4 | 182 | 0.0278 |
| -10 | 7.4 | 154 | 0.0278 |
| -20 | 7.4 | 183 | 0.0288 |
| -30 | 7.4 | 156 | 0.0295 |

802.11n_HT40

| Reference Frequency(Middle Channel): 5300 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 140 | 0.0251 |
| 40 | 7.4 | 143 | 0.0262 |
| 30 | 7.4 | 144 | 0.0251 |
| 20 | 7.4 | 132 | 0.0221 |
| 10 | 7.4 | 119 | 0.0223 |
| 0 | 7.4 | 183 | 0.0314 |
| -10 | 7.4 | 153 | 0.0222 |
| -20 | 7.4 | 156 | 0.0253 |
| -30 | 7.4 | 149 | 0.0259 |

802.11ac_HT80

| Reference Frequency(Middle Channel): 5300 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 147 | 0.0251 |
| 40 | 7.4 | 146 | 0.0256 |
| 30 | 7.4 | 149 | 0.0253 |
| 20 | 7.4 | 133 | 0.0242 |
| 10 | 7.4 | 121 | 0.0231 |
| 0 | 7.4 | 189 | 0.0312 |
| -10 | 7.4 | 153 | 0.0227 |
| -20 | 7.4 | 151 | 0.0239 |
| -30 | 7.4 | 147 | 0.0251 |

5470-5725MHz

802.11a

| Reference Frequency(Middle Channel): 5600 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 118 | 0.0284 |
| 40 | 7.4 | 124 | 0.0286 |
| 30 | 7.4 | 134 | 0.0290 |
| 20 | 7.4 | 125 | 0.0276 |
| 10 | 7.4 | 116 | 0.0290 |
| 0 | 7.4 | 147 | 0.0299 |
| -10 | 7.4 | 157 | 0.0309 |
| -20 | 7.4 | 184 | 0.0296 |
| -30 | 7.4 | 164 | 0.0307 |

802.11n_HT20

| Reference Frequency(Middle Channel): 5600 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 117 | 0.0269 |
| 40 | 7.4 | 124 | 0.0265 |
| 30 | 7.4 | 143 | 0.0277 |
| 20 | 7.4 | 159 | 0.0260 |
| 10 | 7.4 | 163 | 0.0268 |
| 0 | 7.4 | 185 | 0.0288 |
| -10 | 7.4 | 151 | 0.0288 |
| -20 | 7.4 | 180 | 0.0278 |
| -30 | 7.4 | 161 | 0.0263 |

802.11n_HT40

| Reference Frequency(Middle Channel): 5600 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 144 | 0.0254 |
| 40 | 7.4 | 149 | 0.0279 |
| 30 | 7.4 | 145 | 0.0261 |
| 20 | 7.4 | 136 | 0.0253 |
| 10 | 7.4 | 117 | 0.0281 |
| 0 | 7.4 | 186 | 0.0367 |
| -10 | 7.4 | 167 | 0.0269 |
| -20 | 7.4 | 161 | 0.0273 |
| -30 | 7.4 | 152 | 0.0251 |

802.11ac_HT80

| Reference Frequency(Middle Channel): 5600 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 149 | 0.0224 |
| 40 | 7.4 | 156 | 0.0232 |
| 30 | 7.4 | 151 | 0.0231 |
| 20 | 7.4 | 169 | 0.0247 |
| 10 | 7.4 | 181 | 0.0307 |
| 0 | 7.4 | 183 | 0.0314 |
| -10 | 7.4 | 167 | 0.0262 |
| -20 | 7.4 | 161 | 0.0259 |
| -30 | 7.4 | 152 | 0.0237 |

5725-5850MHz

802.11a

| Reference Frequency(Middle Channel): 5785 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 131 | 0.0284 |
| 40 | 7.4 | 124 | 0.0286 |
| 30 | 7.4 | 131 | 0.0290 |
| 20 | 7.4 | 135 | 0.0276 |
| 10 | 7.4 | 121 | 0.0290 |
| 0 | 7.4 | 142 | 0.0299 |
| -10 | 7.4 | 153 | 0.0309 |
| -20 | 7.4 | 181 | 0.0296 |
| -30 | 7.4 | 162 | 0.0277 |

802.11n_HT20

| Reference Frequency(Middle Channel): 5785 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 132 | 0.0260 |
| 40 | 7.4 | 117 | 0.0251 |
| 30 | 7.4 | 146 | 0.0271 |
| 20 | 7.4 | 151 | 0.0269 |
| 10 | 7.4 | 163 | 0.0264 |
| 0 | 7.4 | 187 | 0.0267 |
| -10 | 7.4 | 156 | 0.0286 |
| -20 | 7.4 | 180 | 0.0275 |
| -30 | 7.4 | 161 | 0.0279 |

802.11n_HT40

| Reference Frequency(Middle Channel): 5785 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 144 | 0.0254 |
| 40 | 7.4 | 146 | 0.0247 |
| 30 | 7.4 | 149 | 0.0251 |
| 20 | 7.4 | 132 | 0.0239 |
| 10 | 7.4 | 117 | 0.0227 |
| 0 | 7.4 | 183 | 0.0314 |
| -10 | 7.4 | 159 | 0.0220 |
| -20 | 7.4 | 148 | 0.0227 |
| -30 | 7.4 | 151 | 0.0259 |

802.11ac_HT80

| Reference Frequency(Middle Channel): 5785 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VDC) | Frequency Measure with Time Elapsed | |
| | | MCF (Hz) | Error (ppm) |
| 50 | 7.4 | 141 | 0.0254 |
| 40 | 7.4 | 148 | 0.0262 |
| 30 | 7.4 | 147 | 0.0251 |
| 20 | 7.4 | 134 | 0.0227 |
| 10 | 7.4 | 115 | 0.0227 |
| 0 | 7.4 | 185 | 0.0314 |
| -10 | 7.4 | 155 | 0.0222 |
| -20 | 7.4 | 152 | 0.0219 |
| -30 | 7.4 | 145 | 0.0257 |

So, Frequency Stability Versus Input Voltage is:

*5150-5250MHz*

802.11a

| Reference Frequency(Middle Channel): 5200 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 121 | 0.0231 |
| | 7.4 | 124 | 0.0237 |
| | 8.5 | 133 | 0.0254 |

802.11n_HT20

| Reference Frequency(Middle Channel): 5200 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 145 | 0.0277 |
| | 7.4 | 154 | 0.0294 |
| | 8.5 | 152 | 0.0290 |

802.11n_HT40

| Reference Frequency(Middle Channel): 5200 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 138 | 0.0263 |
| | 7.4 | 134 | 0.0254 |
| | 8.5 | 134 | 0.0254 |

802.11ac_HT80

| Reference Frequency(Middle Channel): 5200 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 154 | 0.0268 |
| | 7.4 | 131 | 0.0250 |
| | 8.5 | 141 | 0.0270 |

*5250-5350MHz*

802.11a

| Reference Frequency(Middle Channel): 5300 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 135 | 0.0257 |
| | 7.4 | 127 | 0.0283 |
| | 8.5 | 133 | 0.0254 |

802.11n_HT20

| Reference Frequency(Middle Channel): 5300 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 146 | 0.0281 |
| | 7.4 | 151 | 0.0260 |
| | 8.5 | 152 | 0.0290 |

802.11n_HT40

| Reference Frequency(Middle Channel): 5300 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 142 | 0.0257 |
| | 7.4 | 132 | 0.0221 |
| | 8.5 | 156 | 0.0284 |

802.11ac_HT80

| Reference Frequency(Middle Channel): 5300 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 147 | 0.0264 |
| | 7.4 | 133 | 0.0242 |
| | 8.5 | 155 | 0.0292 |

*5470-5725MHz*

802.11a

| Reference Frequency(Middle Channel): 5600 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 142 | 0.0264 |
| | 7.4 | 125 | 0.0276 |
| | 8.5 | 133 | 0.0254 |

802.11n_HT20

| Reference Frequency(Middle Channel): 5600 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 149 | 0.0291 |
| | 7.4 | 159 | 0.0260 |
| | 8.5 | 152 | 0.0299 |

802.11n_HT40

| Reference Frequency(Middle Channel): 5600 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 146 | 0.0261 |
| | 7.4 | 136 | 0.0253 |
| | 8.5 | 151 | 0.0291 |

802.11ac_HT80

| Reference Frequency(Middle Channel): 5600 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 146 | 0.0269 |
| | 7.4 | 169 | 0.0247 |
| | 8.5 | 159 | 0.0289 |

*5725-5850MHz*

802.11a_HT20

| Reference Frequency(Middle Channel): 5785 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 153 | 0.0256 |
| | 7.4 | 135 | 0.0276 |
| | 8.5 | 178 | 0.0324 |

802.11n_HT20

| Reference Frequency(Middle Channel): 5785 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 186 | 0.0316 |
| | 7.4 | 151 | 0.0269 |
| | 8.5 | 163 | 0.0312 |

802.11n_HT40

| Reference Frequency(Middle Channel): 5785 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 173 | 0.0257 |
| | 7.4 | 132 | 0.0239 |
| | 8.5 | 162 | 0.0342 |

802.11ac_HT80

| Reference Frequency(Middle Channel): 5785 MHz | | | |
|---|---|---|---|
| Environment Temperature (°C) | Power Supplied (VAC) | Frequency Measure with Time Elapsed | |
| | | Frequency (Hz) | Error (ppm) |
| 20 | 6.3 | 156 | 0.0287 |
| | 7.4 | 134 | 0.0227 |
| | 8.5 | 169 | 0.0331 |

******* END OF REPORT *******