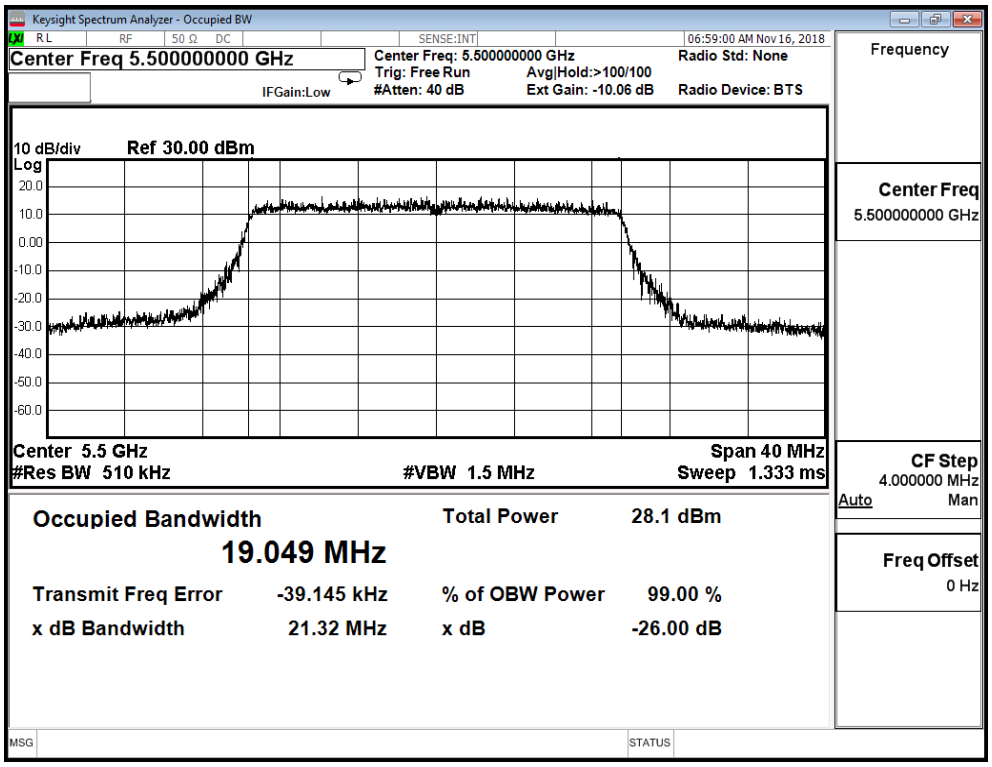
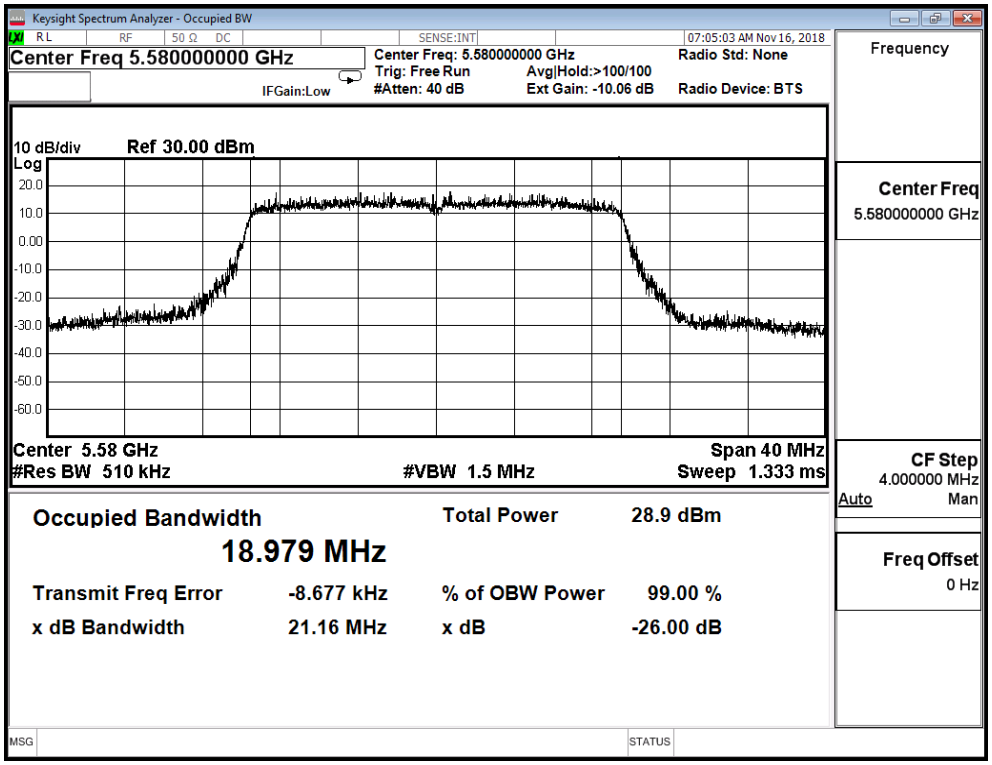
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_20M(ANT 3) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 100 | 5500 | 19.049 | 21.320 | -- |
| 116 | 5580 | 18.979 | 21.160 | -- |
| 140 | 5700 | 19.001 | 21.280 | -- |
| 144(Band3) | 5720 | 14.512 | 15.705 | -- |
| 144(Band4) | 5720 | 4.512 | -- | -- |

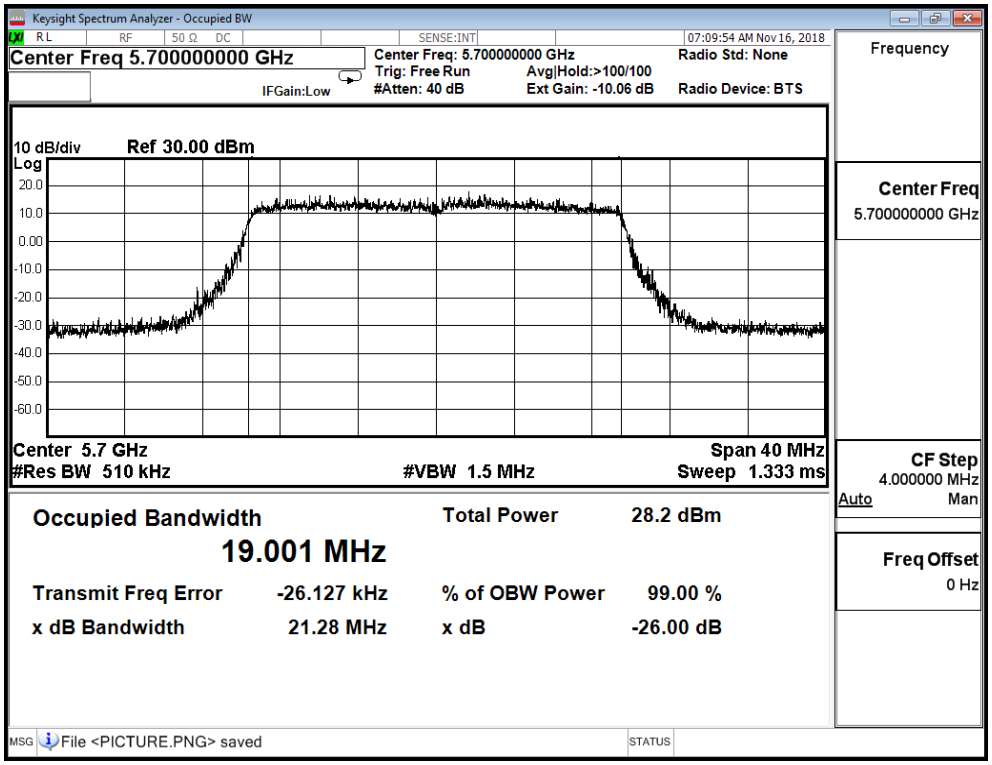
**Channel 100**



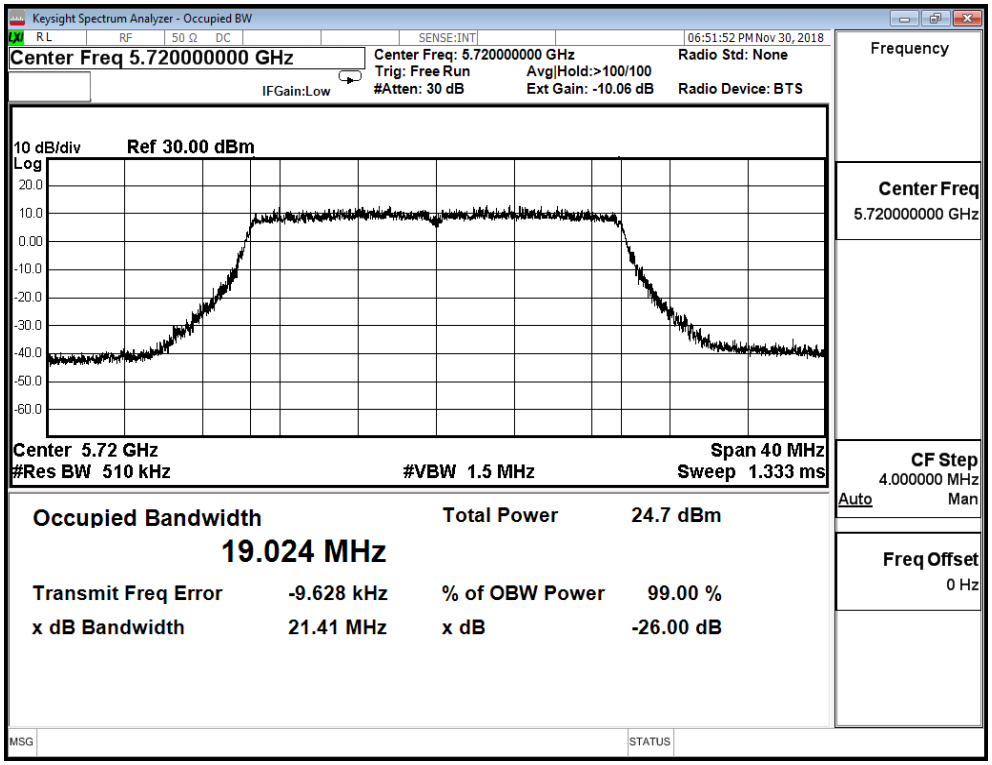
## Channel 116




## Channel 140



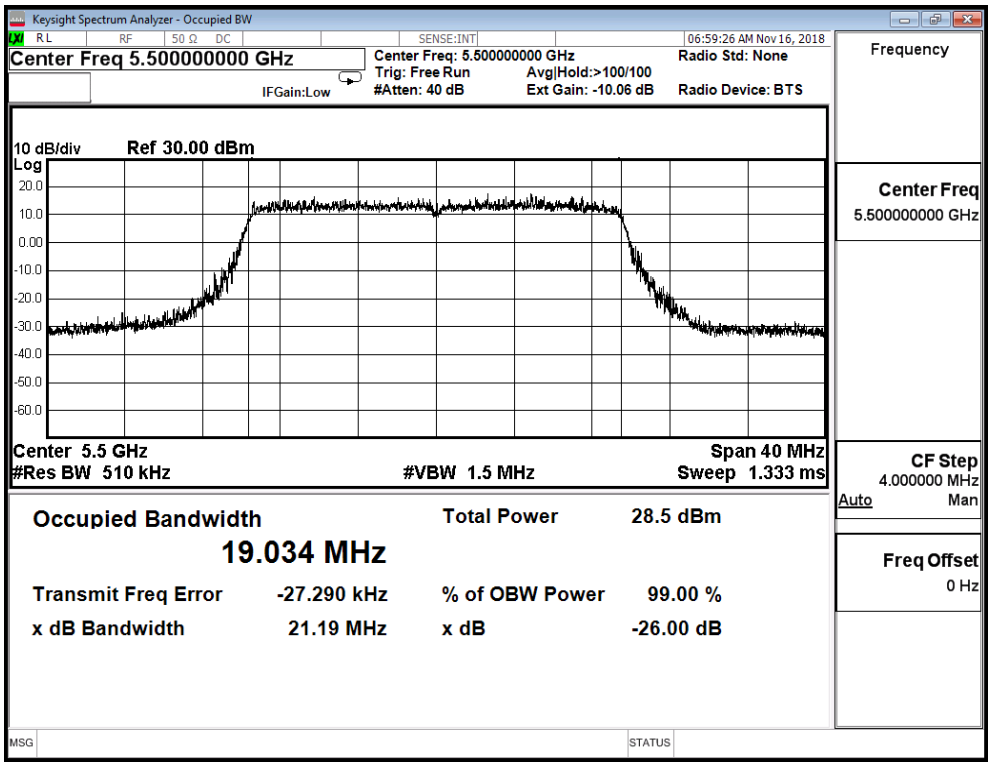
## Channel 144


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:51:52 PM Nov 30, 2018
Center Freq 5.720000000 GHz
Center Freq: 5.720000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -10.06 dB
Radio Std: None
Radio Device: BTS
IFGain:Low
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.720000000 GHz
Center 5.72 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
19.024 MHz
Total Power
24.7 dBm
Freq Offset
0 Hz
Transmit Freq Error
-9.628 kHz
% of OBW Power
99.00 %
x dB Bandwidth
21.41 MHz
x dB
-26.00 dB
MSG
STATUS

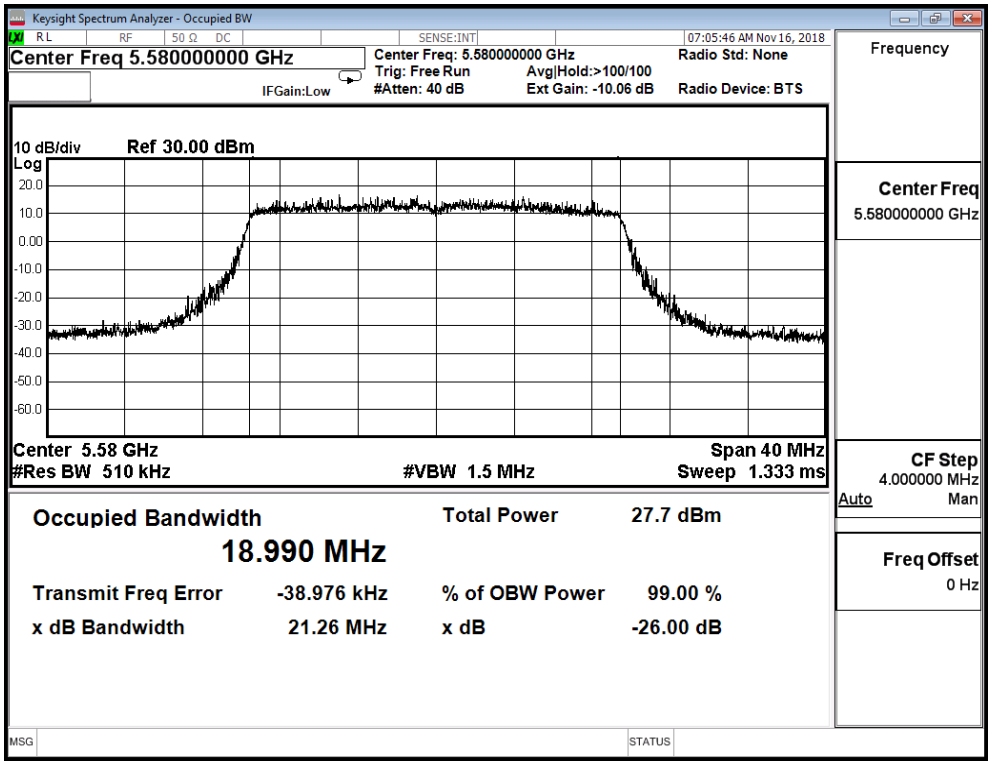
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_20M(ANT 4) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 100 | 5500 | 19.034 | 21.190 | -- |
| 116 | 5580 | 18.990 | 21.260 | -- |
| 140 | 5700 | 19.044 | 21.440 | -- |
| 144(Band3) | 5720 | 14.485 | 15.610 | -- |
| 144(Band4) | 5720 | 4.485 | -- | -- |

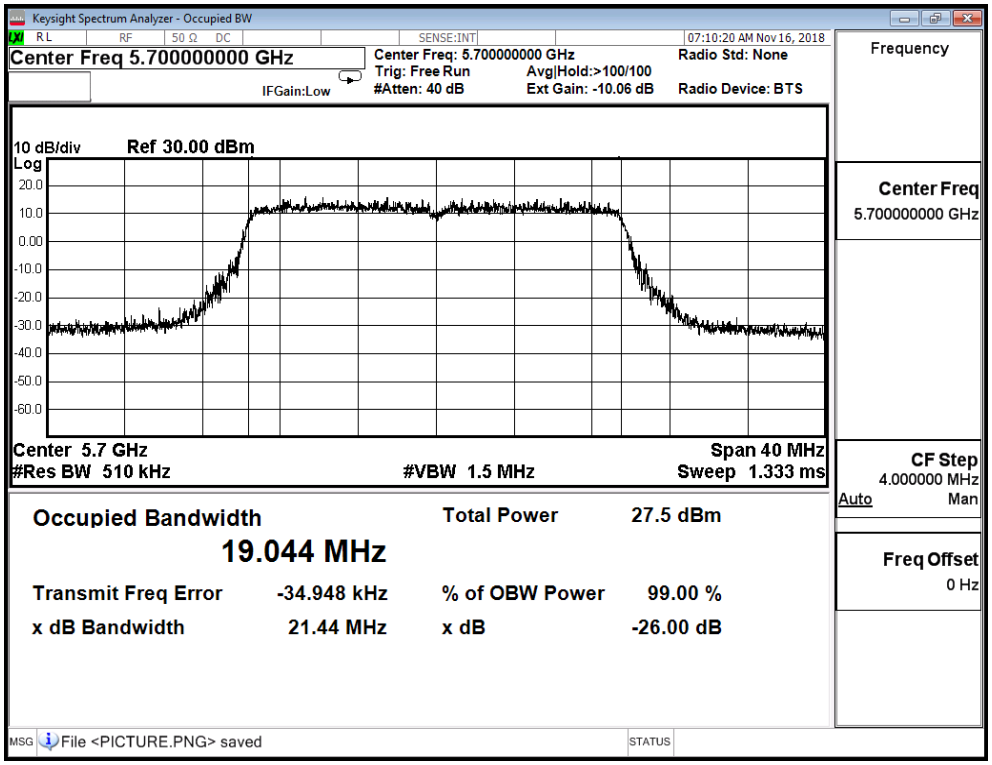
**Channel 100**



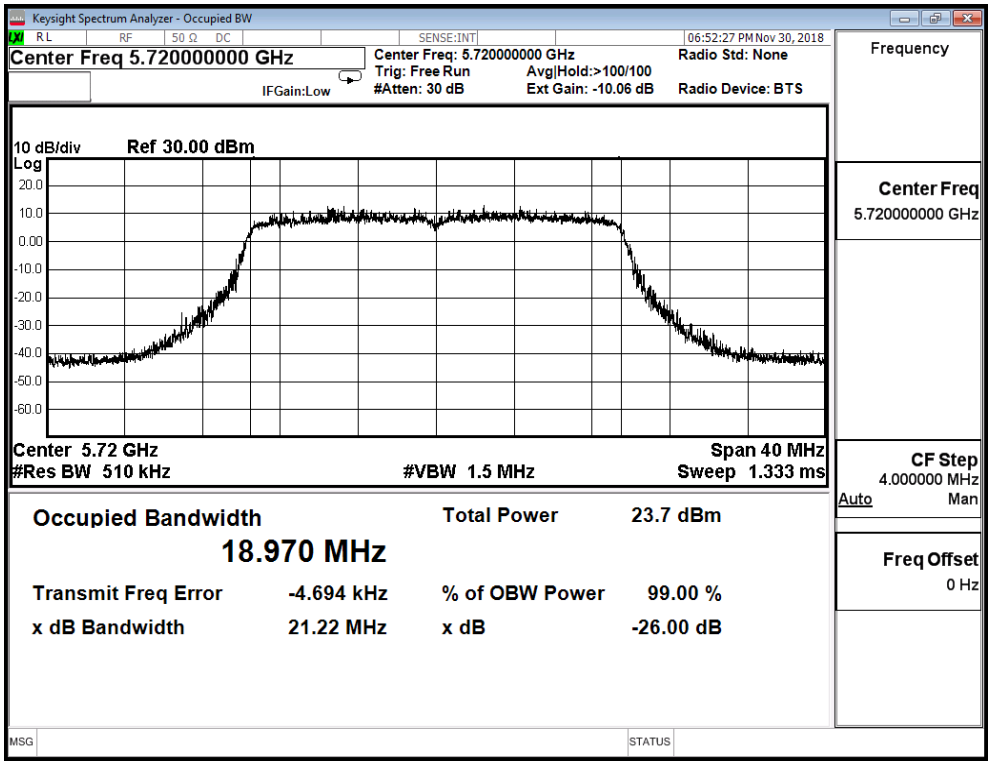
## Channel 116




## Channel 140



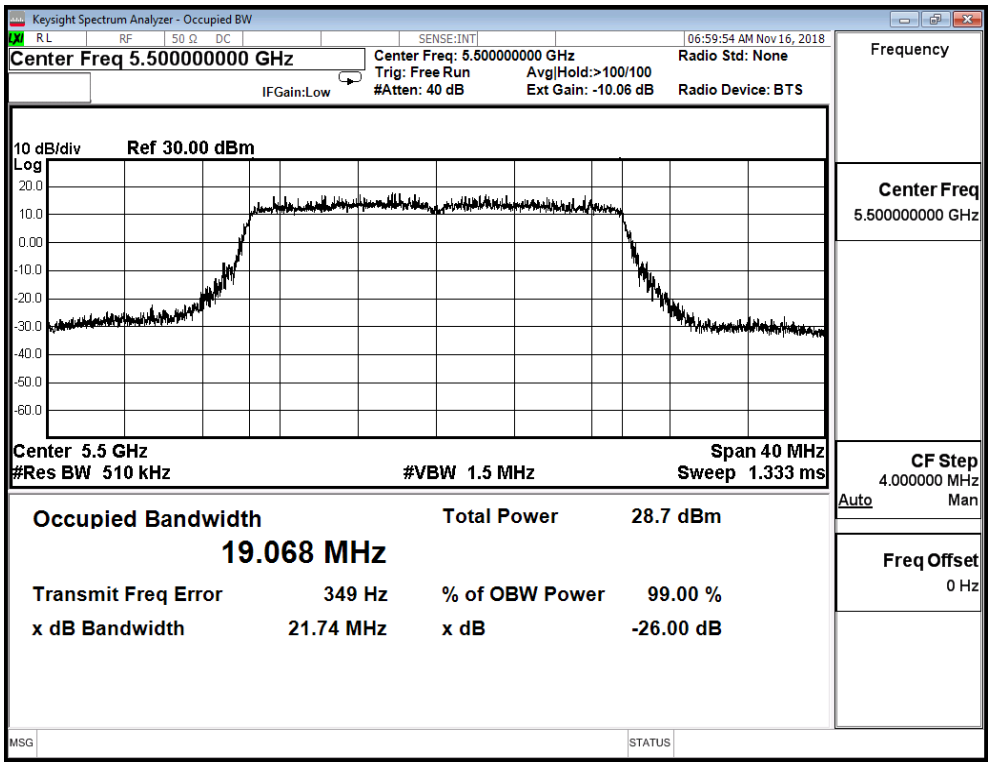
## Channel 144


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:52:27 PM Nov 30, 2018
Center Freq 5.720000000 GHz
Center Freq: 5.720000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -10.06 dB
Radio Std: None
Radio Device: BTS
IFGain:Low
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.720000000 GHz
Center 5.72 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.970 MHz
Total Power
23.7 dBm
Freq Offset
0 Hz
Transmit Freq Error
-4.694 kHz
% of OBW Power
99.00 %
x dB Bandwidth
21.22 MHz
x dB
-26.00 dB
MSG
STATUS

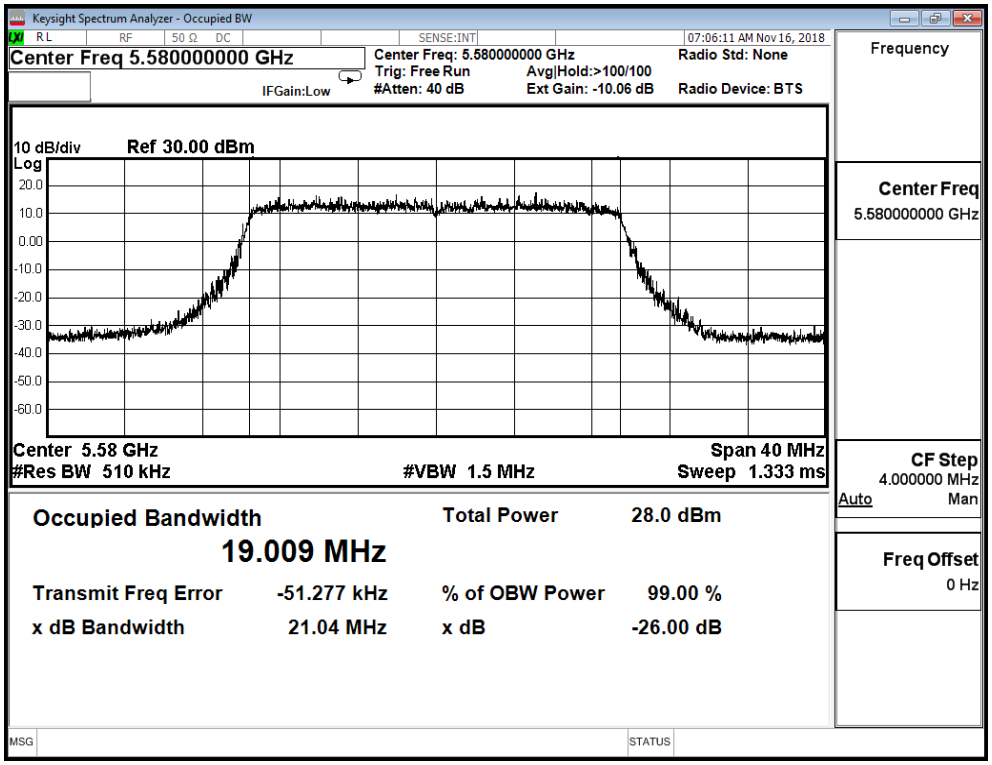
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_20M(ANT 5) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 100 | 5500 | 19.068 | 21.740 | -- |
| 116 | 5580 | 19.009 | 21.040 | -- |
| 140 | 5700 | 19.023 | 21.190 | -- |
| 144(Band3) | 5720 | 14.521 | 15.535 | -- |
| 144(Band4) | 5720 | 4.521 | -- | -- |

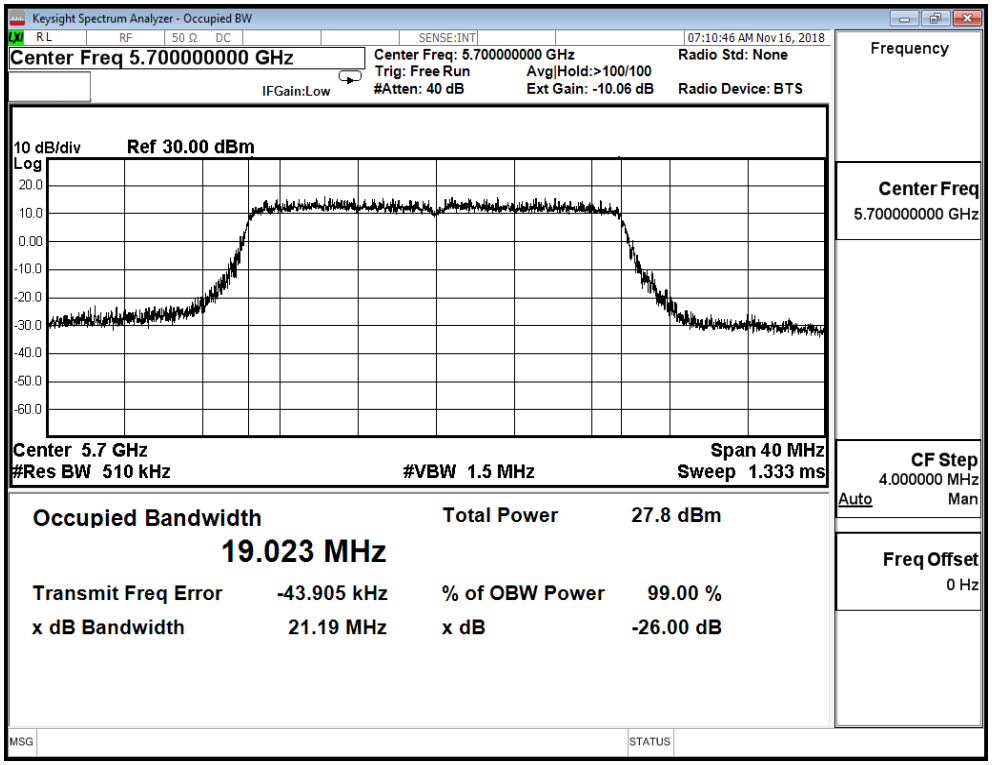
**Channel 100**



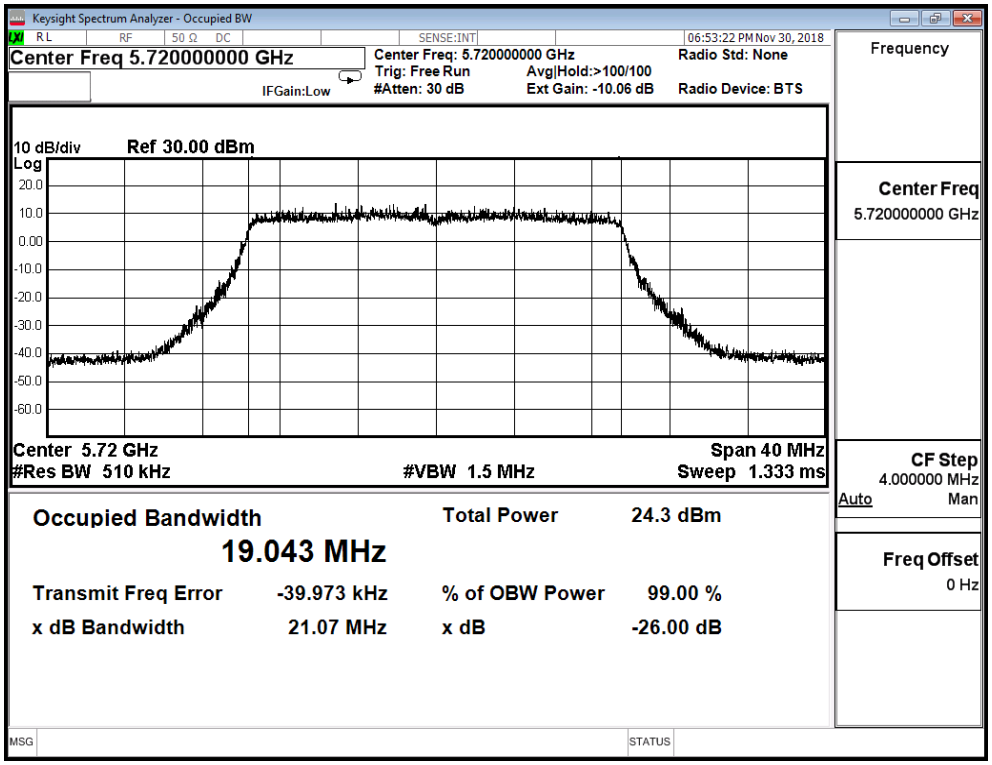
## Channel 116




## Channel 140



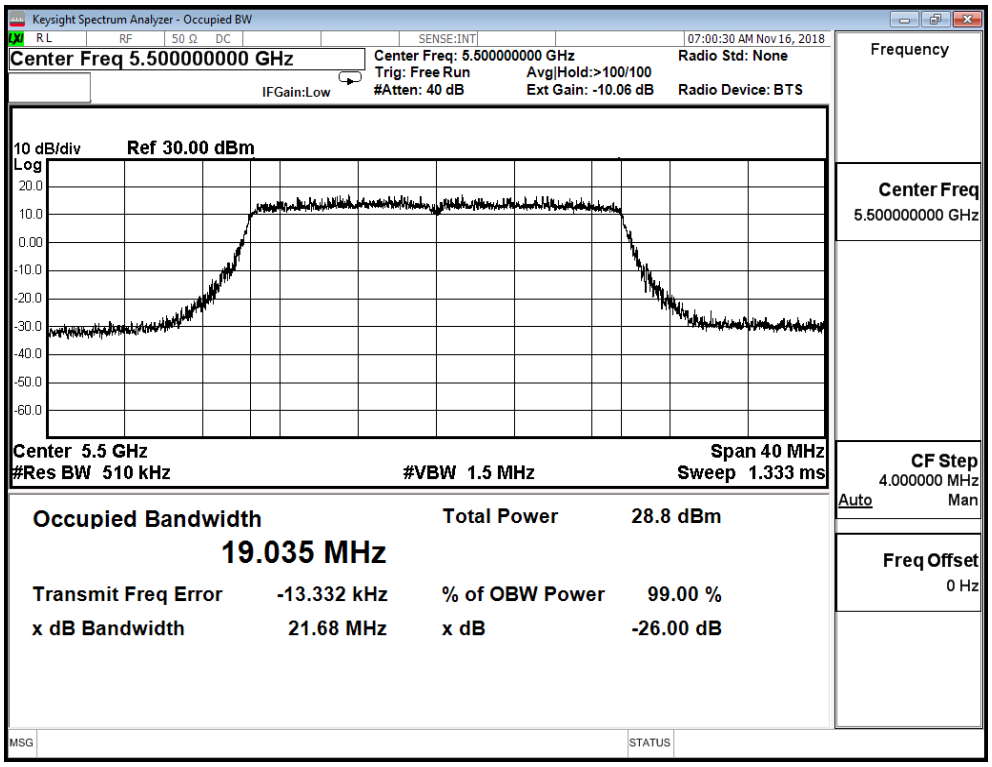
## Channel 144


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:53:22 PM Nov 30, 2018
Center Freq 5.720000000 GHz
IFGain:Low
Center Freq: 5.720000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.06 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.720000000 GHz
Center 5.72 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
19.043 MHz
Total Power
24.3 dBm
Freq Offset
0 Hz
Transmit Freq Error
-39.973 kHz
% of OBW Power
99.00 %
x dB Bandwidth
21.07 MHz
x dB
-26.00 dB
MSG
STATUS

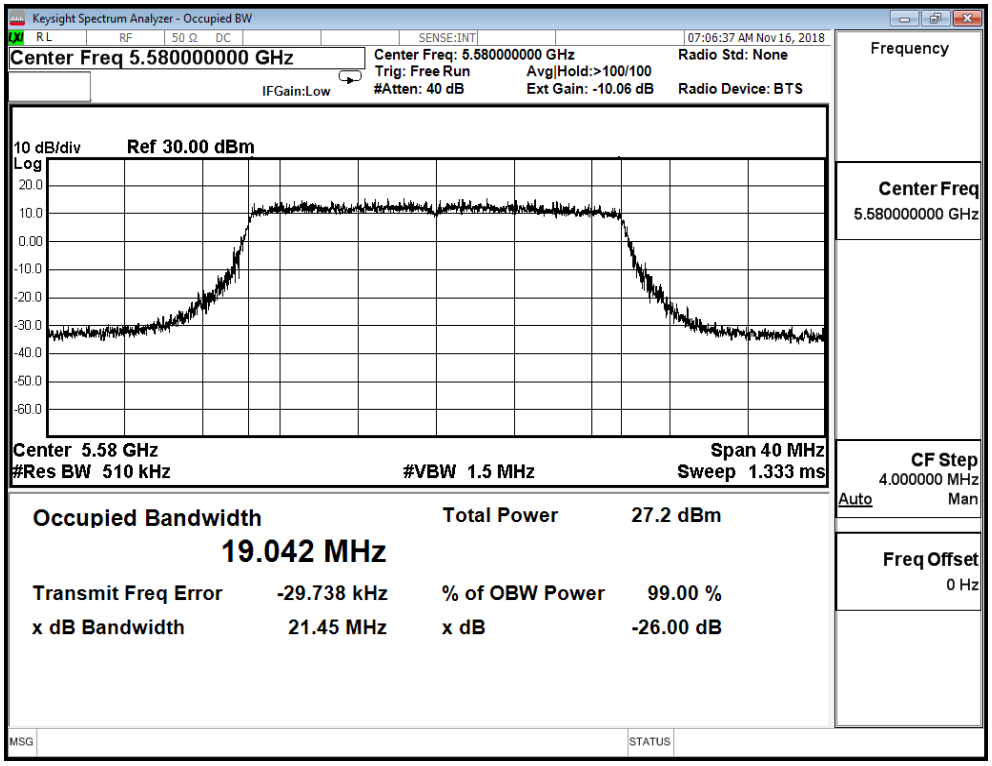
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_20M(ANT 6) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 100 | 5500 | 19.035 | 21.680 | -- |
| 116 | 5580 | 19.042 | 21.450 | -- |
| 140 | 5700 | 19.042 | 21.490 | -- |
| 144(Band3) | 5720 | 14.520 | 15.515 | -- |
| 144(Band4) | 5720 | 4.520 | -- | -- |

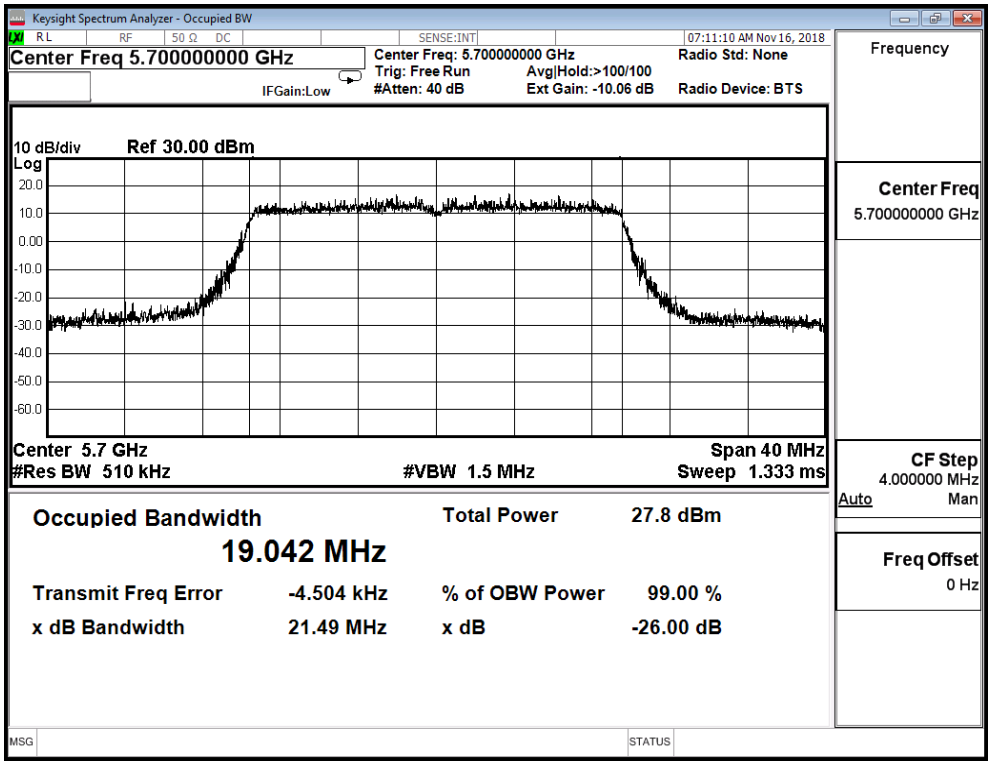
**Channel 100**



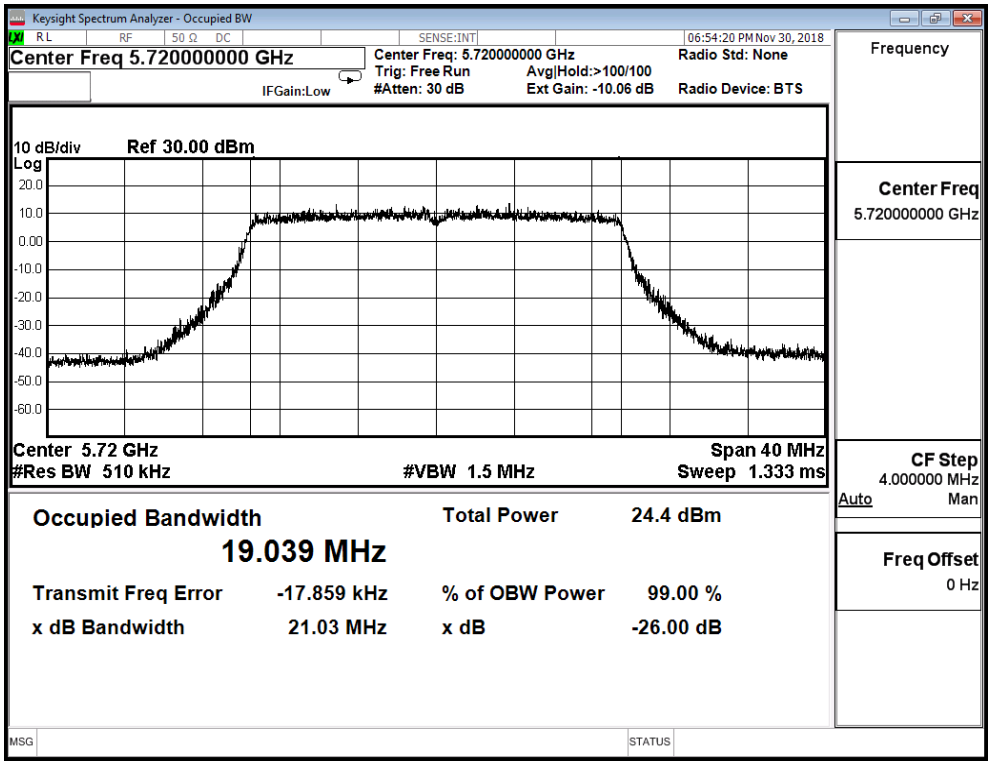
## Channel 116




## Channel 140



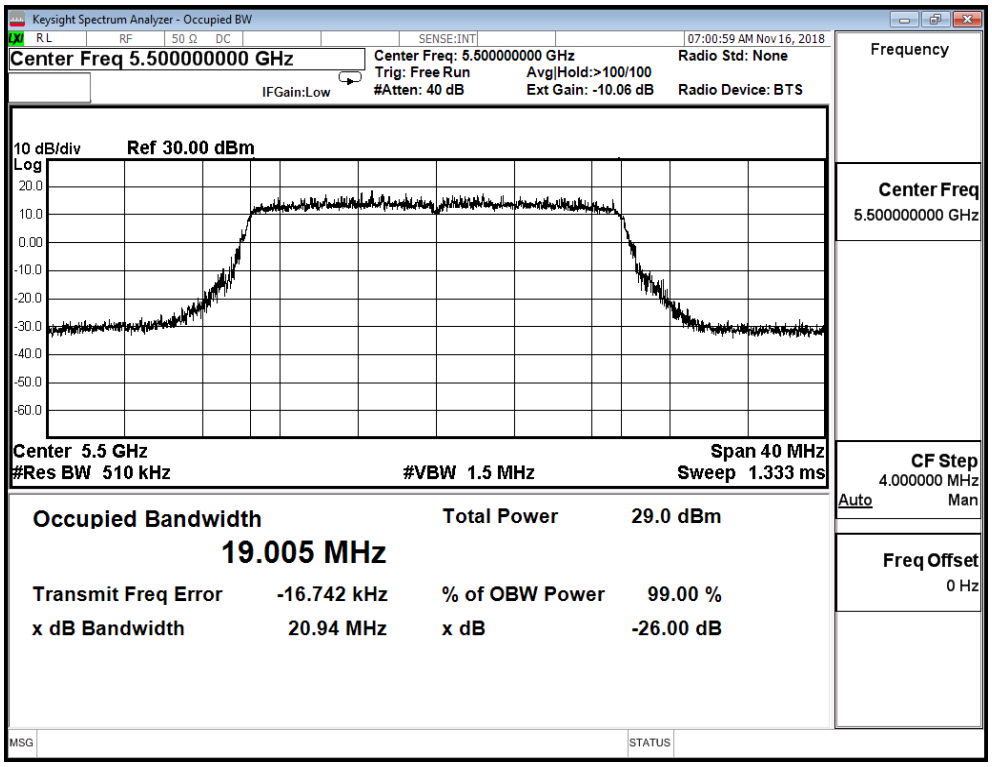
## Channel 144


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:54:20 PM Nov 30, 2018
Center Freq 5.720000000 GHz
IFGain:Low
Center Freq: 5.720000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.06 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.720000000 GHz
Center 5.72 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
19.039 MHz
Total Power
24.4 dBm
Freq Offset
0 Hz
Transmit Freq Error
-17.859 kHz
% of OBW Power
99.00 %
x dB Bandwidth
21.03 MHz
x dB
-26.00 dB
MSG
STATUS

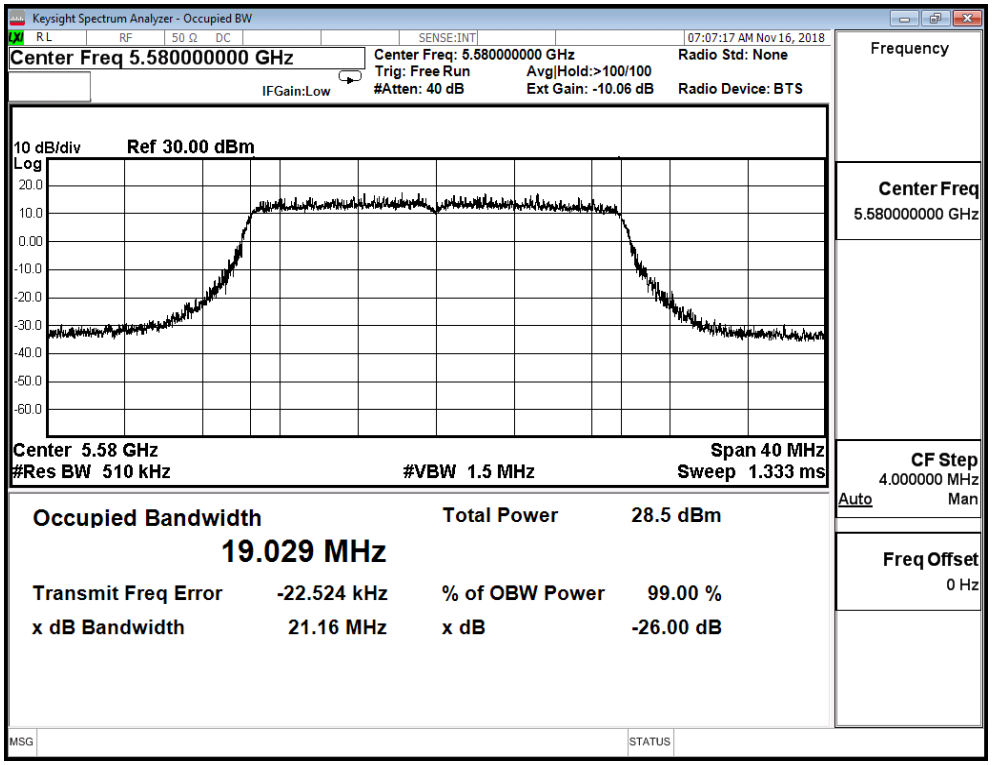
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_20M(ANT 8) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 100 | 5500 | 19.005 | 20.940 | -- |
| 116 | 5580 | 19.029 | 21.160 | -- |
| 140 | 5700 | 19.079 | 21.360 | -- |
| 144(Band3) | 5720 | 14.510 | 15.770 | -- |
| 144(Band4) | 5720 | 4.510 | -- | -- |

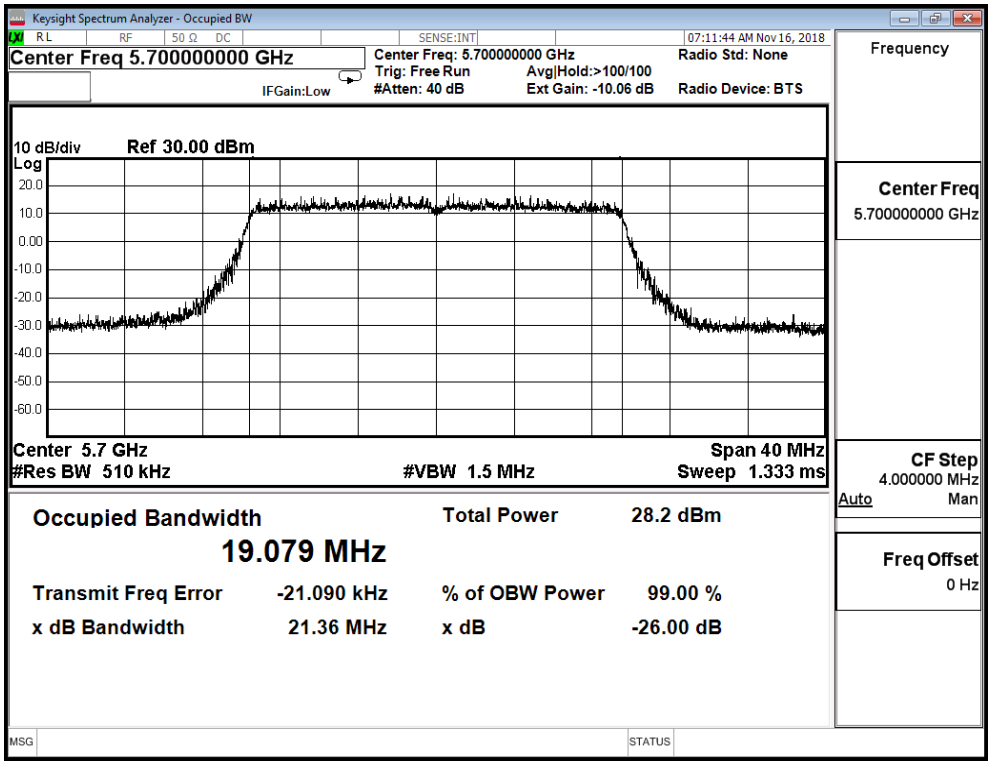
**Channel 100**



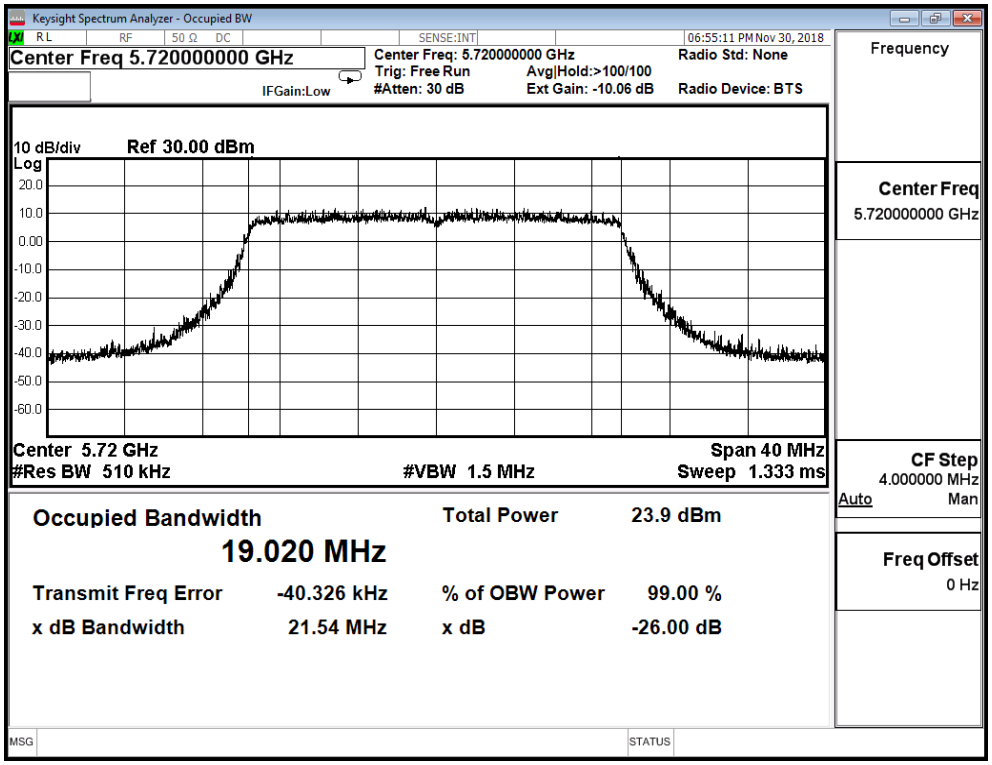
## Channel 116




## Channel 140



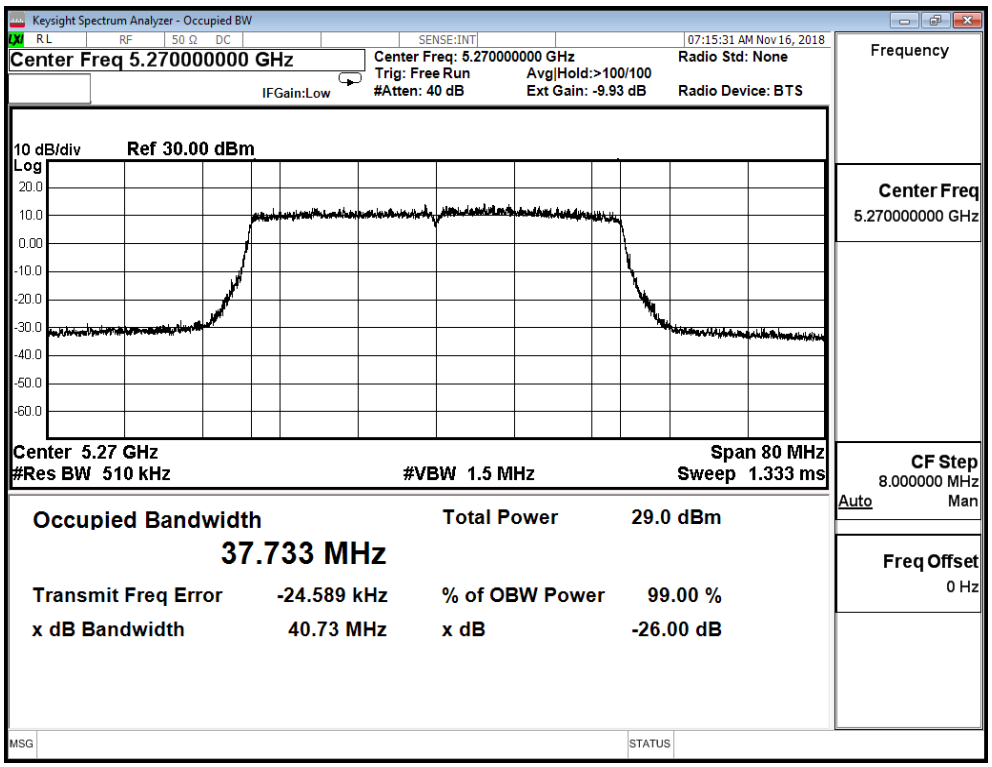
## Channel 144


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:55:11 PM Nov 30, 2018
Center Freq 5.720000000 GHz
IFGain:Low
Center Freq: 5.720000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.06 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.720000000 GHz
Center 5.72 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
19.020 MHz
Total Power 23.9 dBm
Freq Offset
0 Hz
Transmit Freq Error -40.326 kHz
% of OBW Power 99.00 %
x dB Bandwidth 21.54 MHz
x dB -26.00 dB
MSG
STATUS

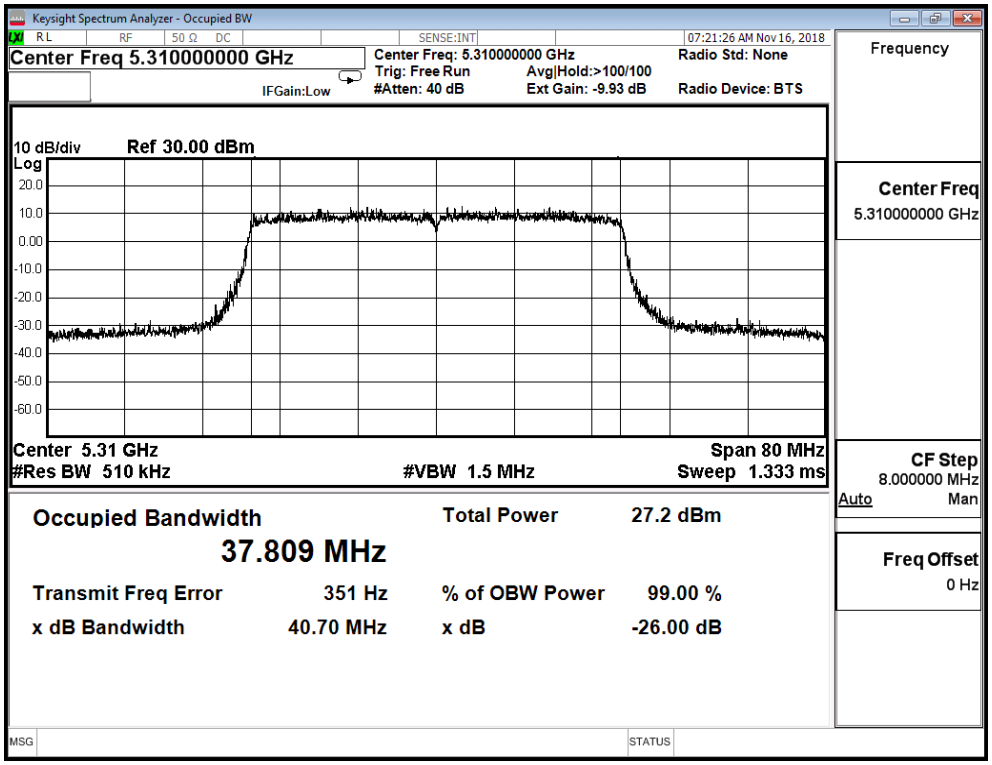
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 0) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 54 | 5270 | 37.733 | 40.730 | -- |
| 62 | 5310 | 37.809 | 40.700 | -- |

**Channel 54**



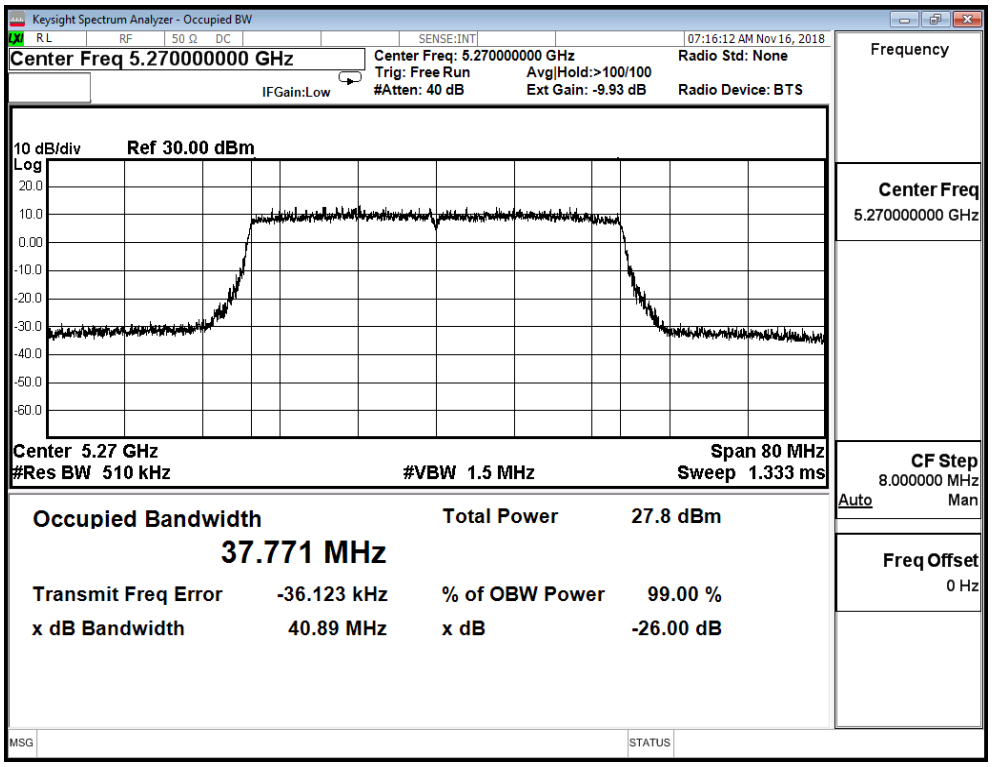
## Channel 62


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
07:21:26 AM Nov 16, 2018
Center Freq 5.310000000 GHz
IFGain:Low
Center Freq: 5.310000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -9.93 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.310000000 GHz
Center 5.31 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.809 MHz
Total Power 27.2 dBm
Transmit Freq Error 351 Hz
% of OBW Power 99.00 %
x dB Bandwidth 40.70 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

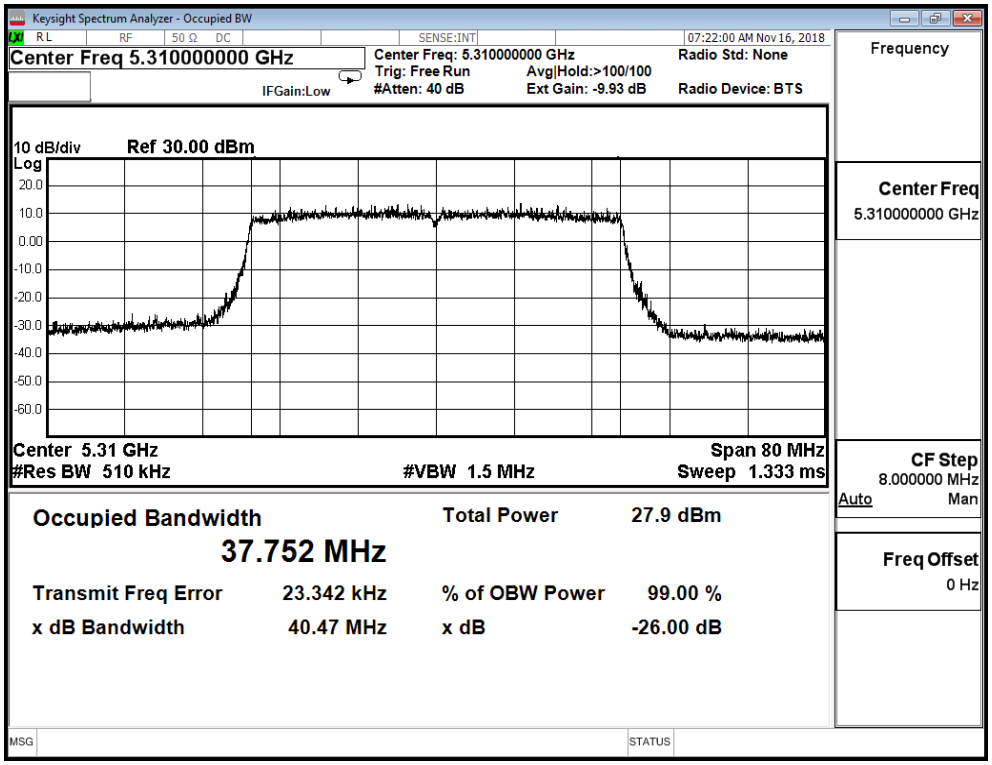
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 1) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 54 | 5270 | 37.771 | 40.890 | -- |
| 62 | 5310 | 37.752 | 40.470 | -- |

**Channel 54**



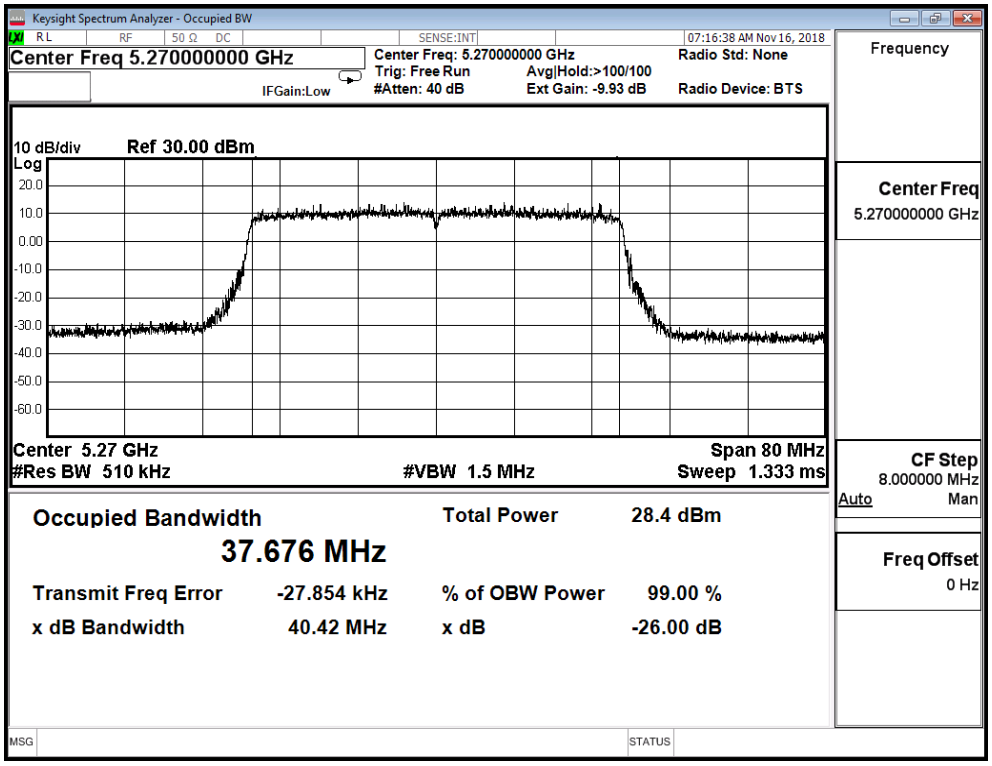
## Channel 62


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
07:22:00 AM Nov 16, 2018
Center Freq 5.310000000 GHz
IFGain:Low
Center Freq: 5.310000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -9.93 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.310000000 GHz
Center 5.31 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.752 MHz
Total Power 27.9 dBm
Transmit Freq Error 23.342 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.47 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

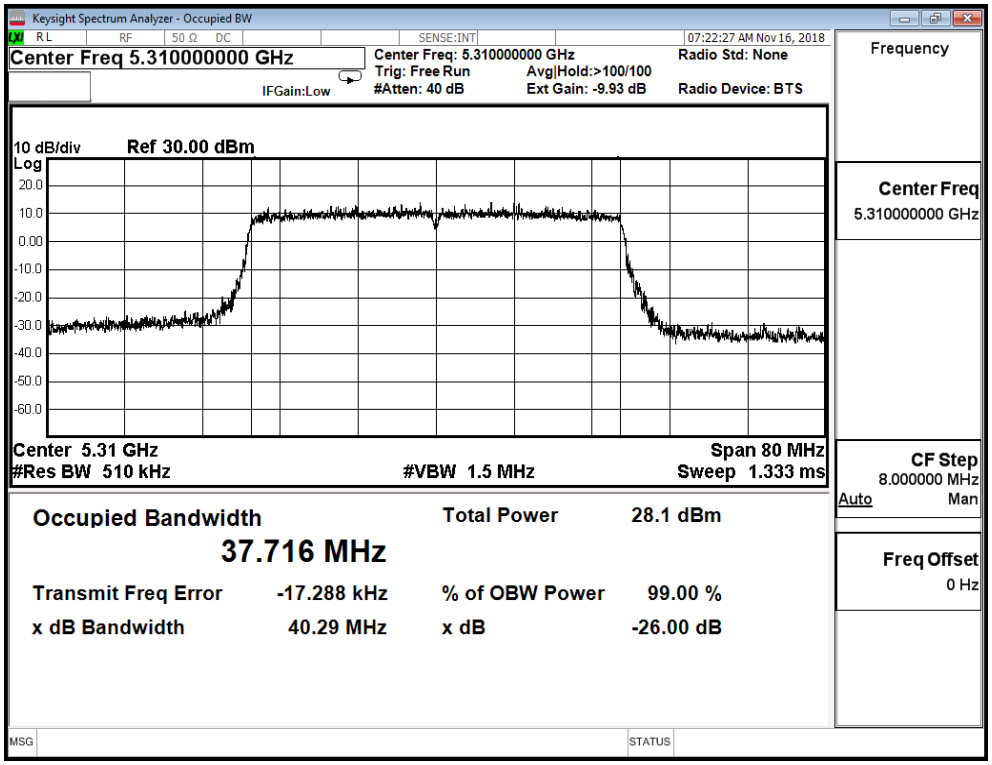
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 2) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 54 | 5270 | 37.676 | 40.420 | -- |
| 62 | 5310 | 37.716 | 40.290 | -- |

**Channel 54**



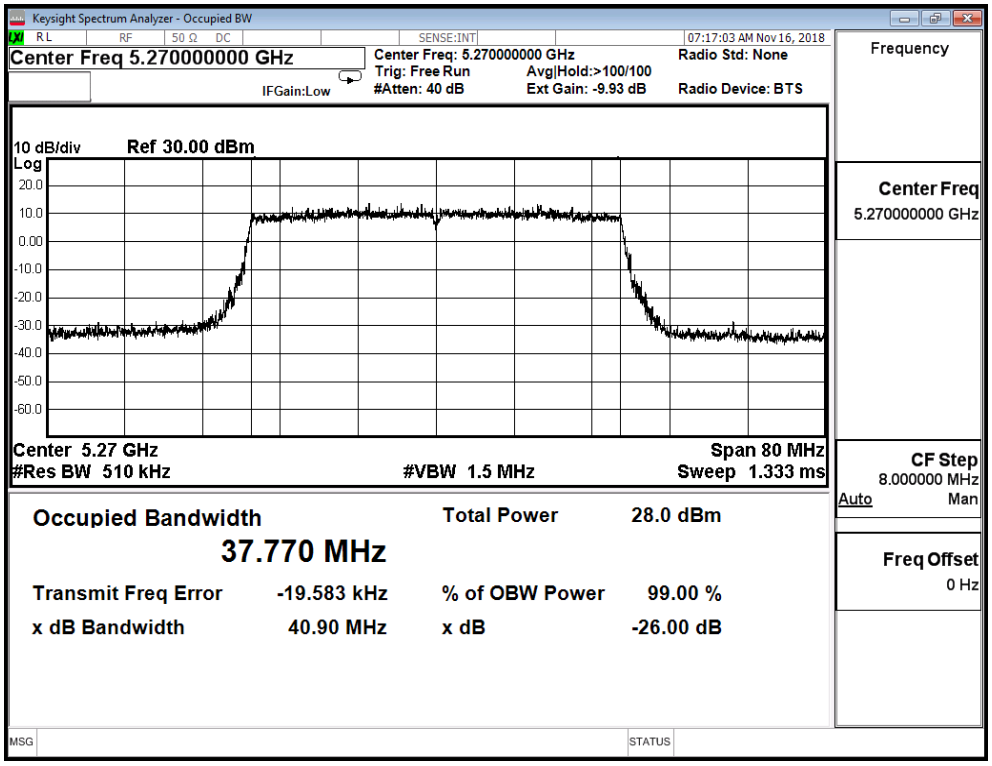
## Channel 62


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
07:22:27 AM Nov 16, 2018
Center Freq 5.310000000 GHz
IFGain:Low
Center Freq: 5.310000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -9.93 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.310000000 GHz
Center 5.31 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.716 MHz
Total Power 28.1 dBm
Transmit Freq Error -17.288 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.29 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

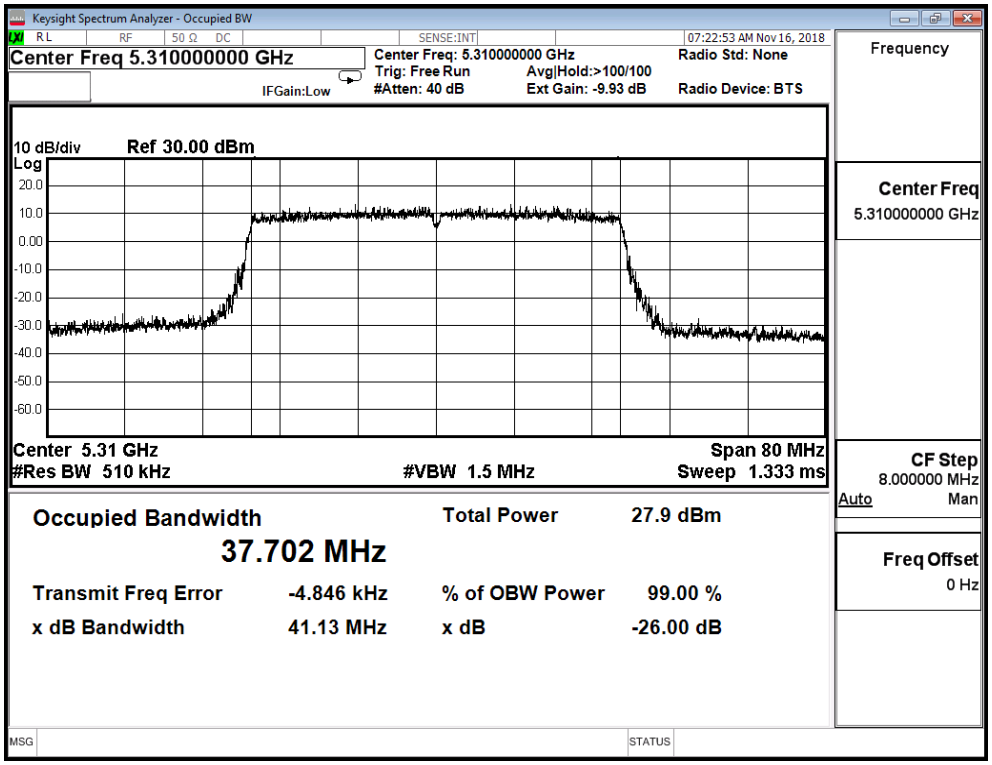
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 3) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 54 | 5270 | 37.770 | 40.900 | -- |
| 62 | 5310 | 37.702 | 41.130 | -- |

**Channel 54**



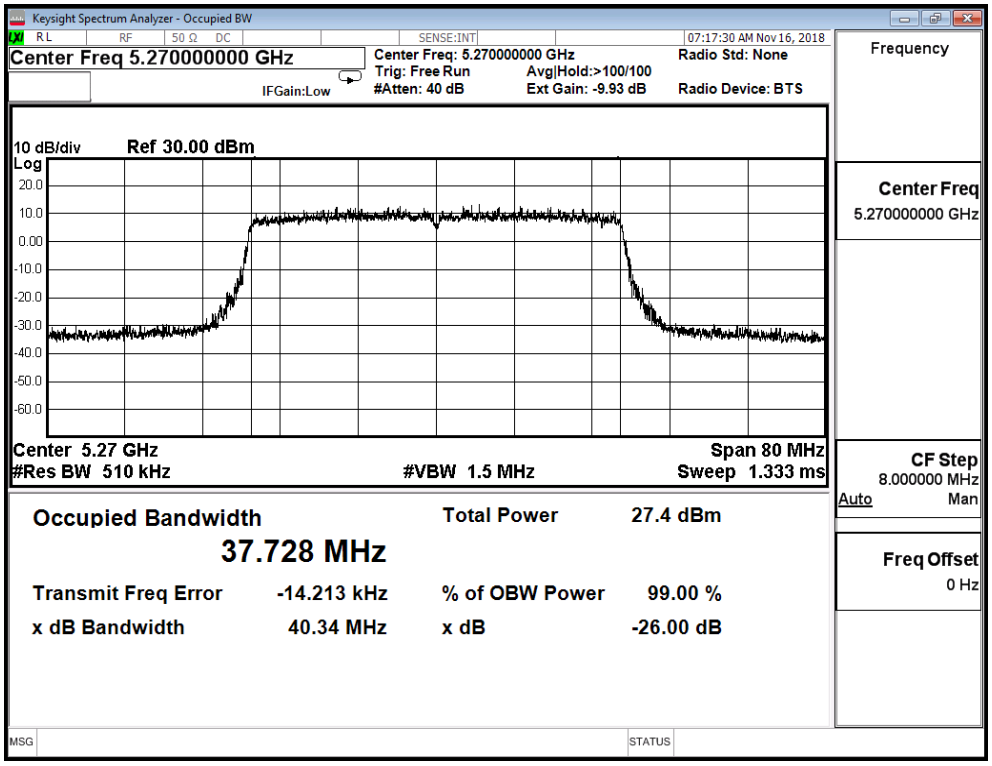
## Channel 62


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
07:22:53 AM Nov 16, 2018
Center Freq 5.310000000 GHz
IFGain:Low
Center Freq: 5.310000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -9.93 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.310000000 GHz
Center 5.31 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.702 MHz
Total Power 27.9 dBm
Freq Offset
0 Hz
Transmit Freq Error -4.846 kHz
% of OBW Power 99.00 %
x dB Bandwidth 41.13 MHz
x dB -26.00 dB
MSG
STATUS

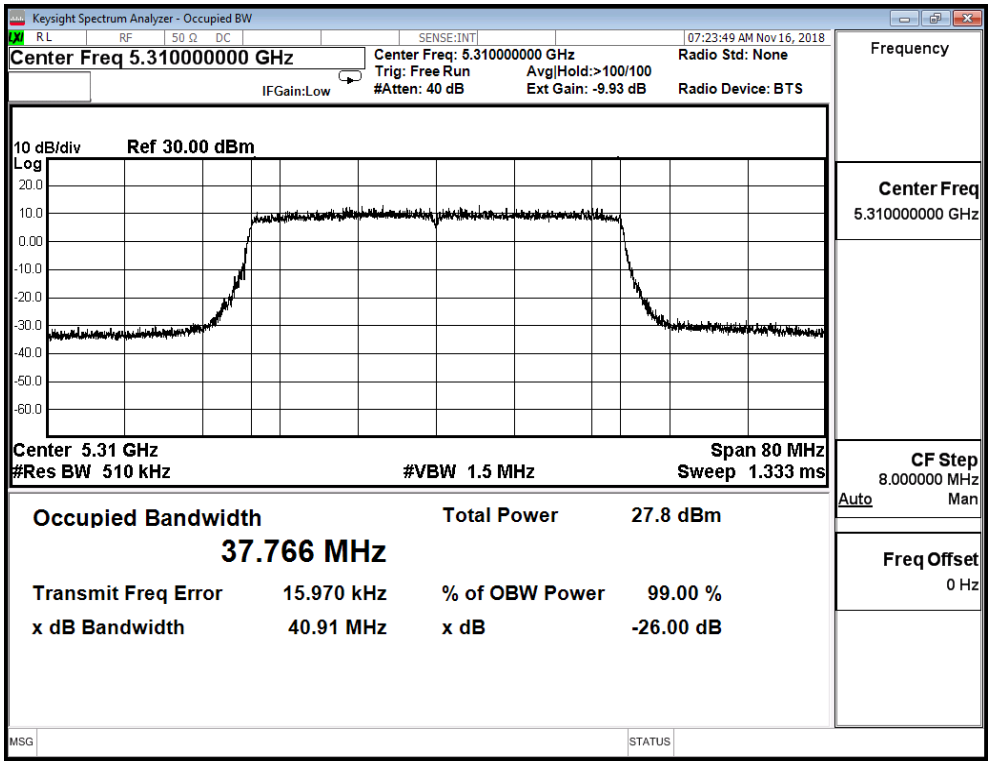
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 4) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 54 | 5270 | 37.728 | 40.340 | -- |
| 62 | 5310 | 37.766 | 40.910 | -- |

**Channel 54**



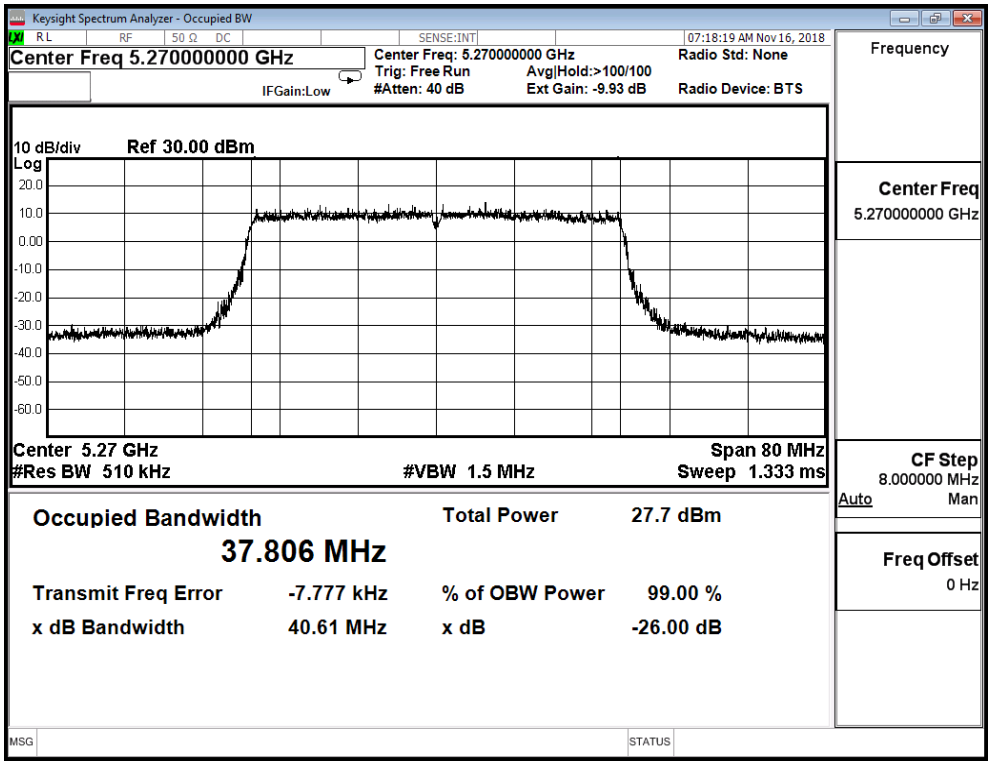
## Channel 62


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
07:23:49 AM Nov 16, 2018
Center Freq 5.310000000 GHz
IFGain:Low
Center Freq: 5.310000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -9.93 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.310000000 GHz
Center 5.31 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.766 MHz
Total Power 27.8 dBm
Freq Offset
0 Hz
Transmit Freq Error 15.970 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.91 MHz
x dB -26.00 dB
MSG
STATUS

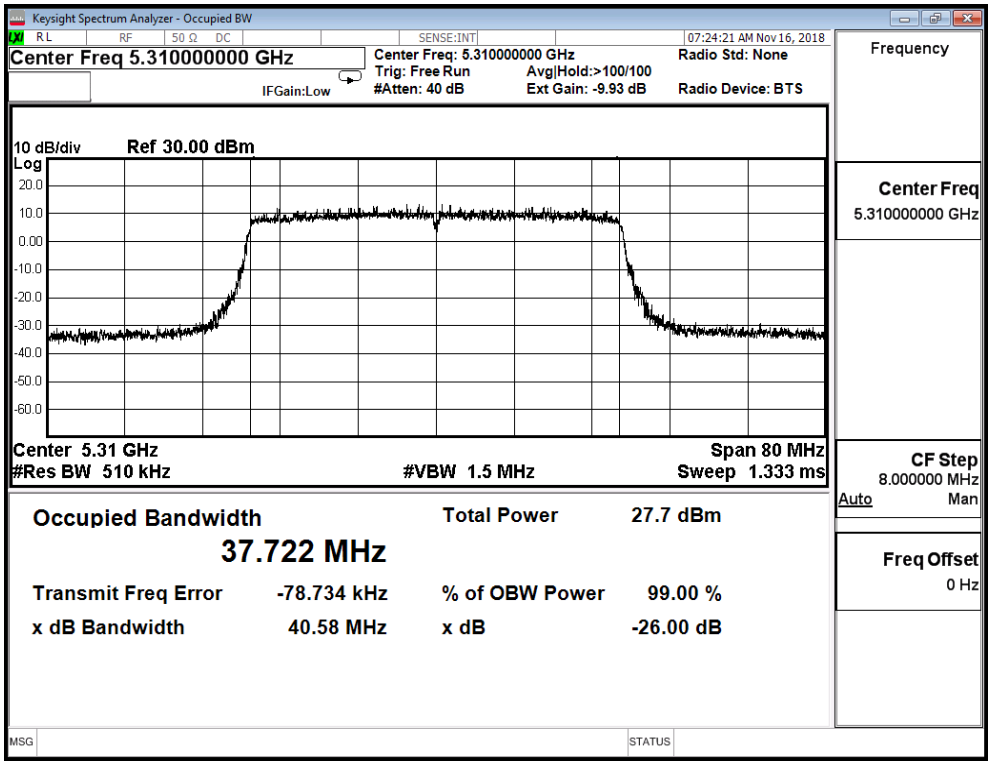
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 5) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 54 | 5270 | 37.806 | 40.610 | -- |
| 62 | 5310 | 37.722 | 40.580 | -- |

**Channel 54**



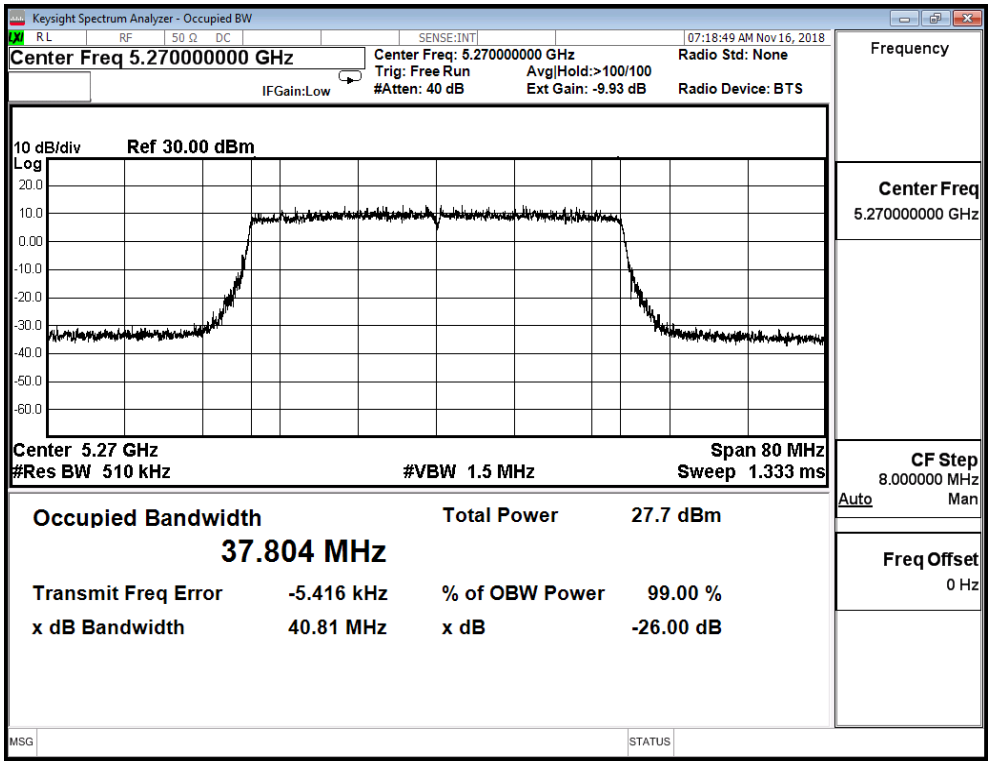
## Channel 62


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
07:24:21 AM Nov 16, 2018
Center Freq 5.310000000 GHz
IFGain:Low
Center Freq: 5.310000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -9.93 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.310000000 GHz
Center 5.31 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.722 MHz
Total Power 27.7 dBm
Transmit Freq Error -78.734 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.58 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

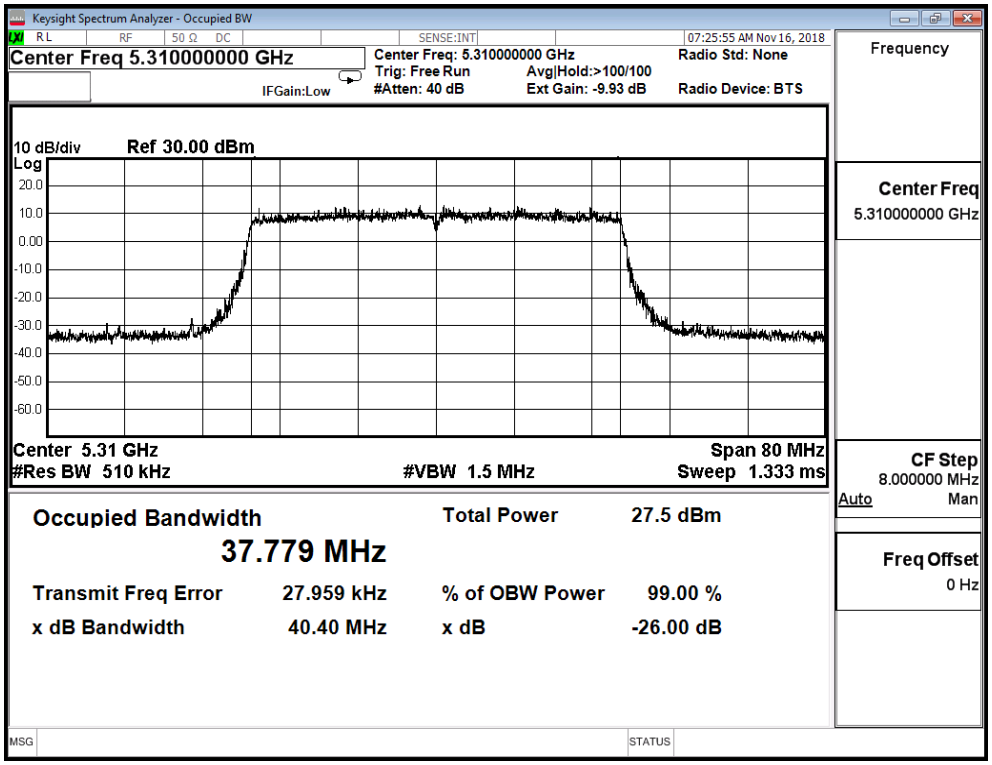
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 6) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 54 | 5270 | 37.804 | 40.810 | -- |
| 62 | 5310 | 37.779 | 40.400 | -- |

**Channel 54**



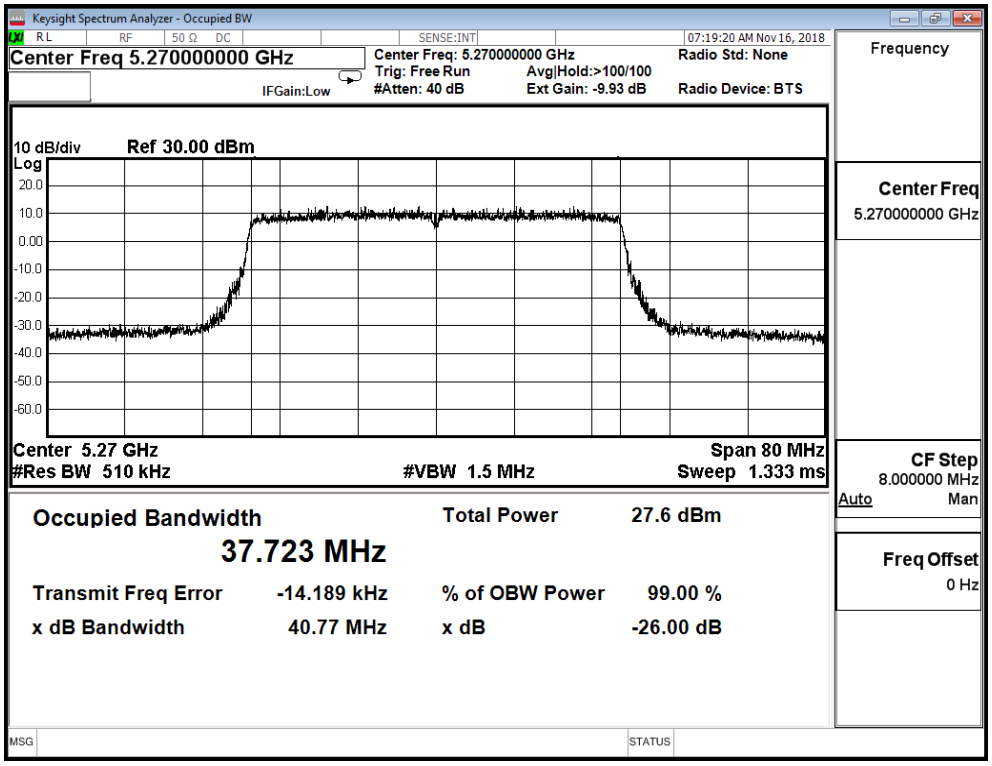
## Channel 62


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
07:25:55 AM Nov 16, 2018
Center Freq 5.310000000 GHz
IFGain:Low
Center Freq: 5.310000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -9.93 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.310000000 GHz
Center 5.31 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.779 MHz
Total Power 27.5 dBm
Transmit Freq Error 27.959 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.40 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

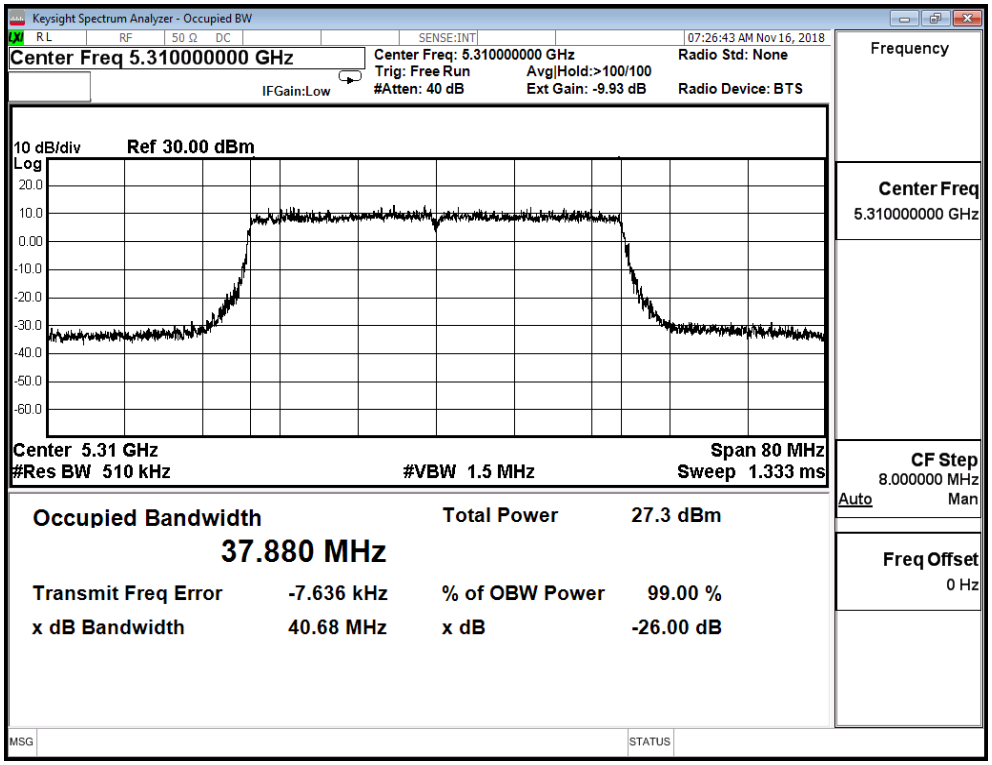
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 8) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 54 | 5270 | 37.723 | 40.770 | -- |
| 62 | 5310 | 37.880 | 40.680 | -- |

**Channel 54**



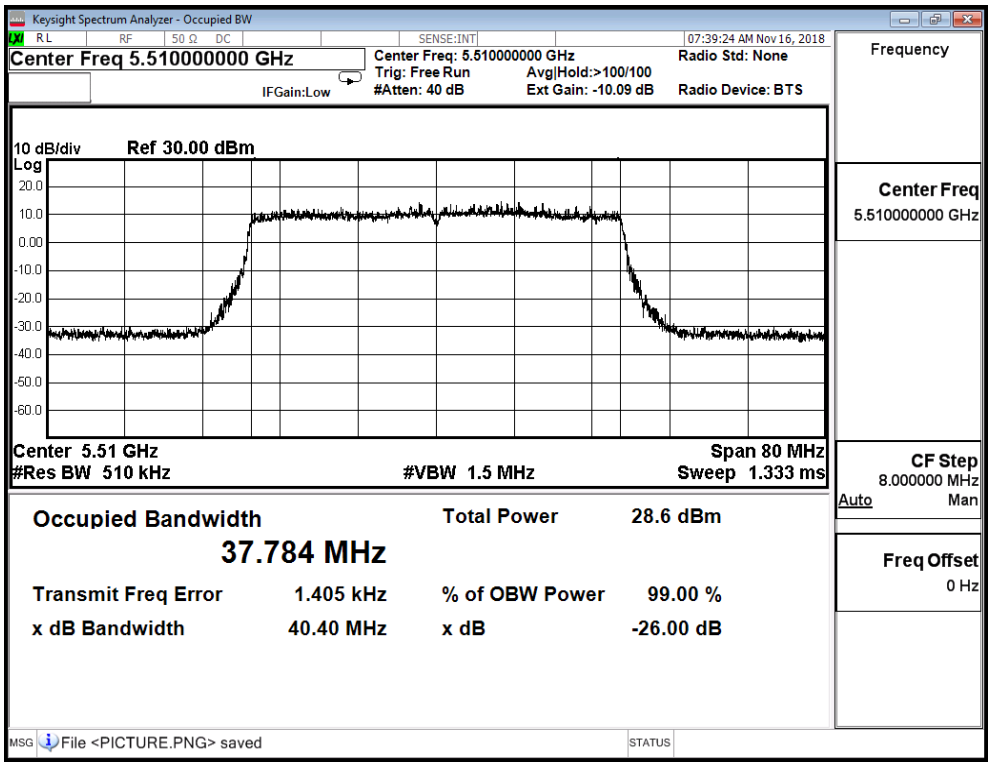
## Channel 62


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
07:26:43 AM Nov 16, 2018
Center Freq 5.310000000 GHz
IFGain:Low
Center Freq: 5.310000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -9.93 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.310000000 GHz
Center 5.31 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.880 MHz
Total Power 27.3 dBm
Transmit Freq Error -7.636 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.68 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

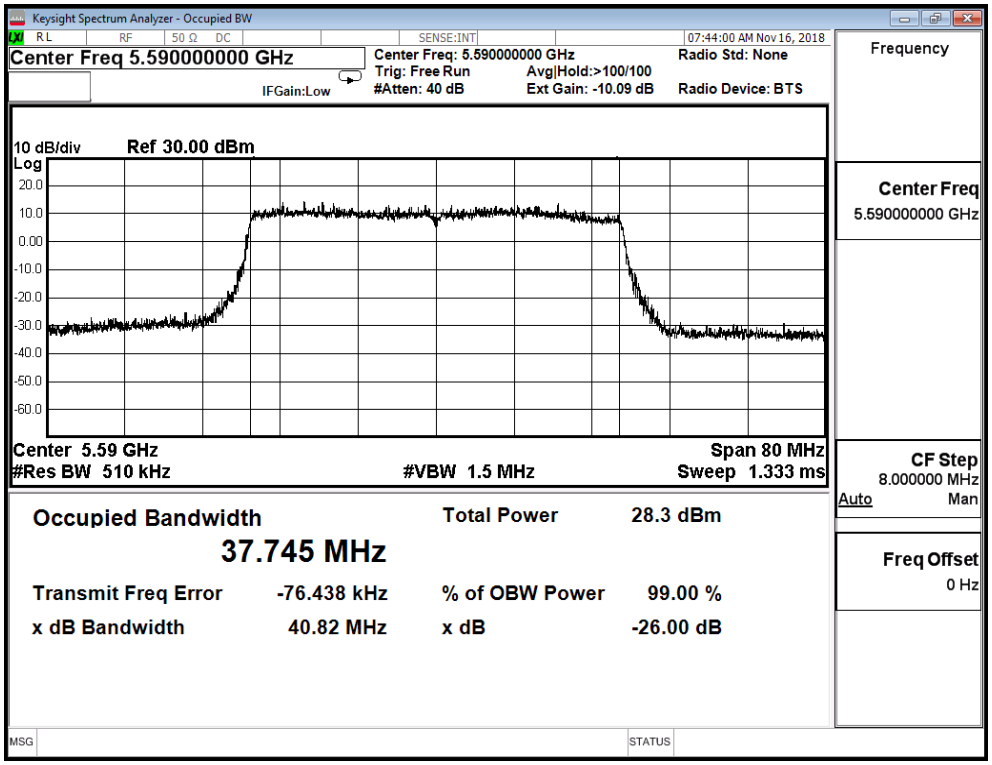
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 0) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 102 | 5510 | 37.784 | 40.400 | -- |
| 118 | 5590 | 37.745 | 40.820 | -- |
| 134 | 5670 | 37.840 | 40.840 | -- |
| 142(Band3) | 5710 | 33.891 | 35.275 | -- |
| 142(Band4) | 5710 | 3.891 | -- | -- |

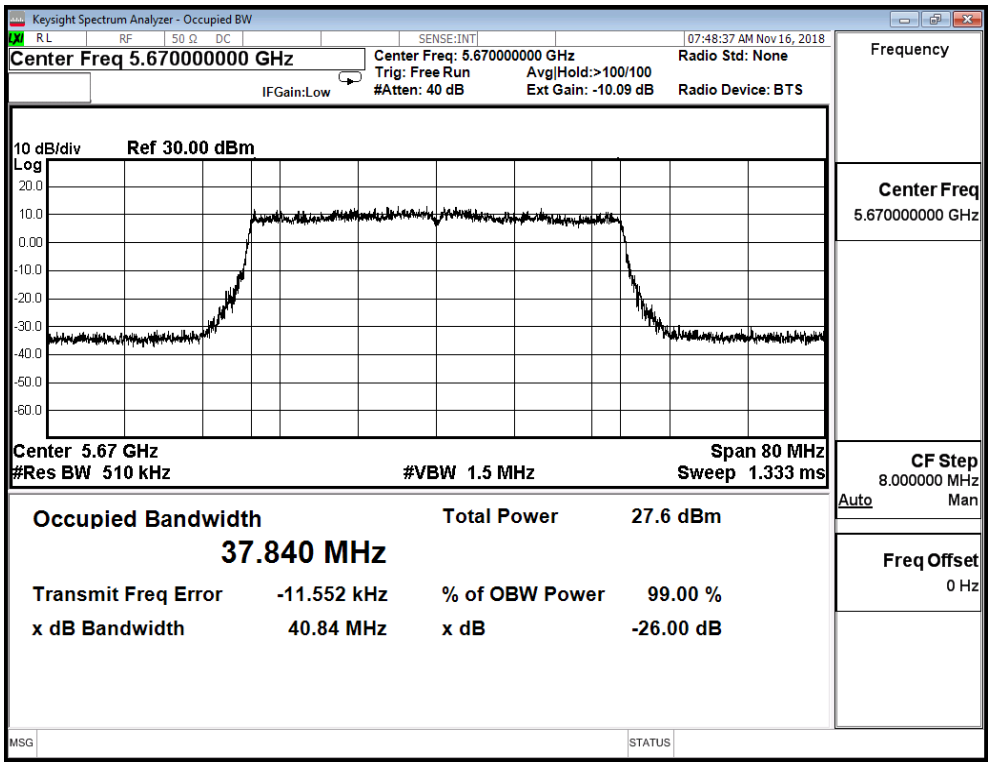
**Channel 102**



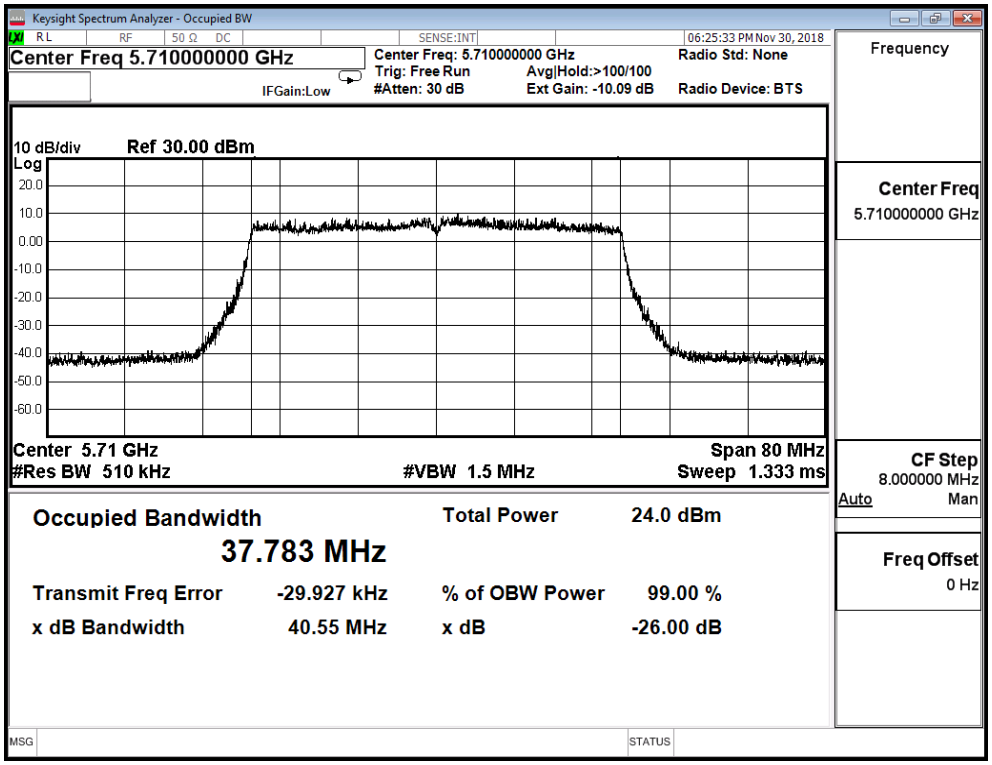
## Channel 118




## Channel 134



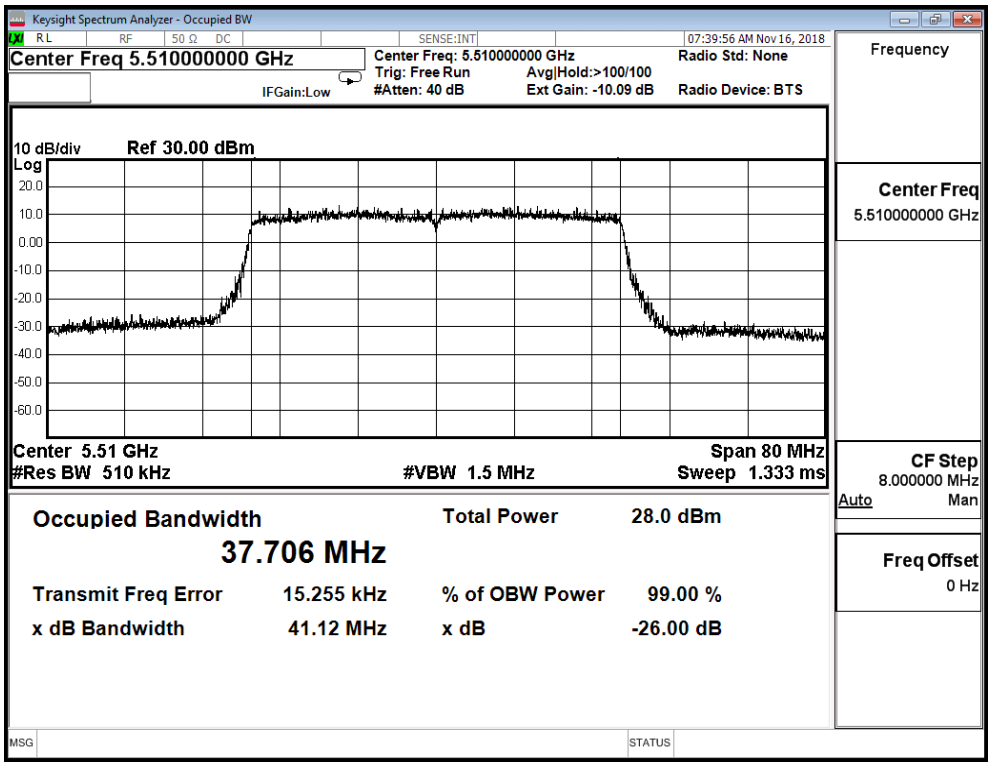
## Channel 142


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:25:33 PM Nov 30, 2018
Center Freq 5.710000000 GHz
IFGain:Low
Center Freq: 5.710000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.09 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.710000000 GHz
Center 5.71 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.783 MHz
Total Power 24.0 dBm
Freq Offset
0 Hz
Transmit Freq Error -29.927 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.55 MHz
x dB -26.00 dB
MSG
STATUS

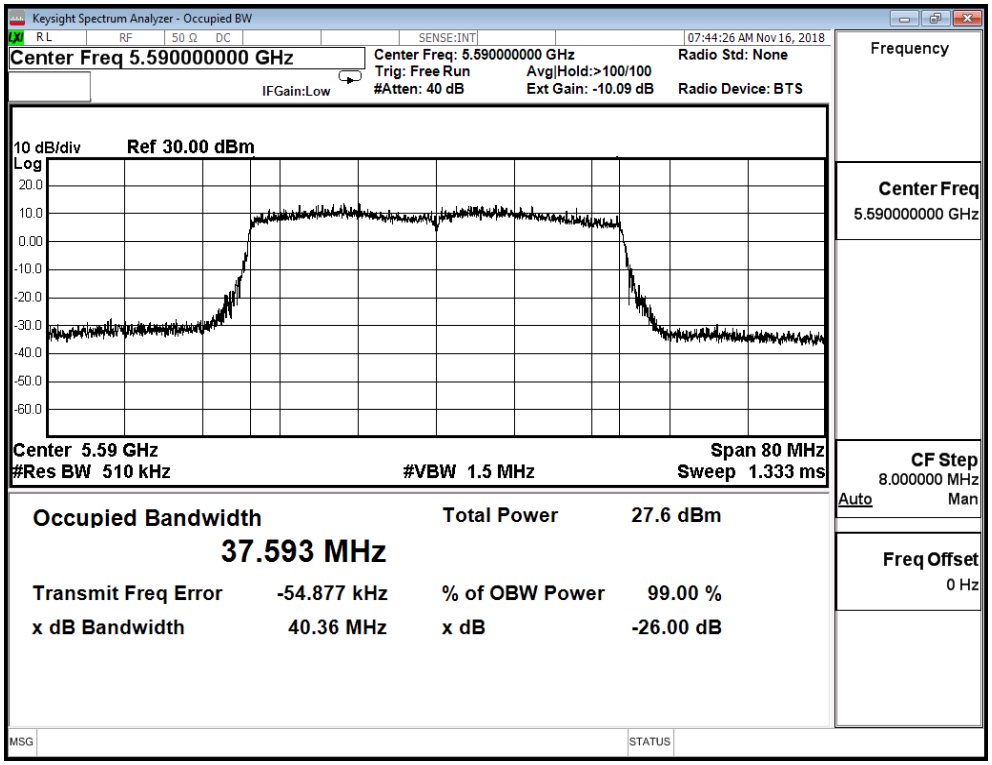
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 1) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 102 | 5510 | 37.706 | 41.120 | -- |
| 118 | 5590 | 37.593 | 40.360 | -- |
| 134 | 5670 | 37.771 | 40.450 | -- |
| 142(Band3) | 5710 | 33.846 | 35.225 | -- |
| 142(Band4) | 5710 | 3.846 | -- | -- |

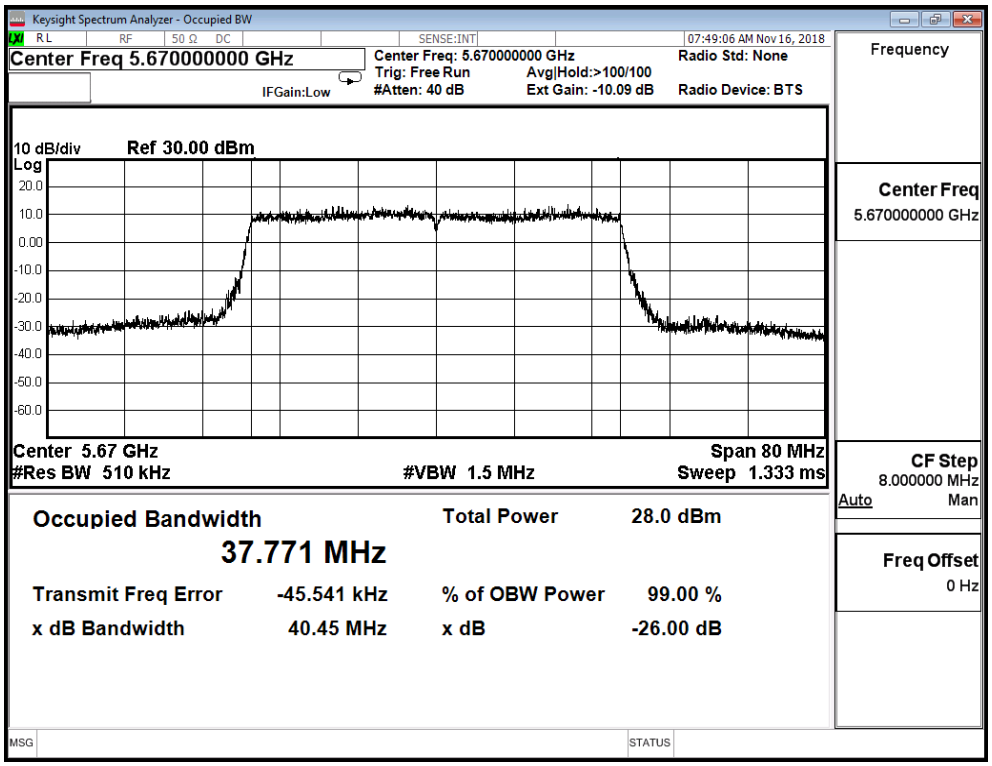
**Channel 102**



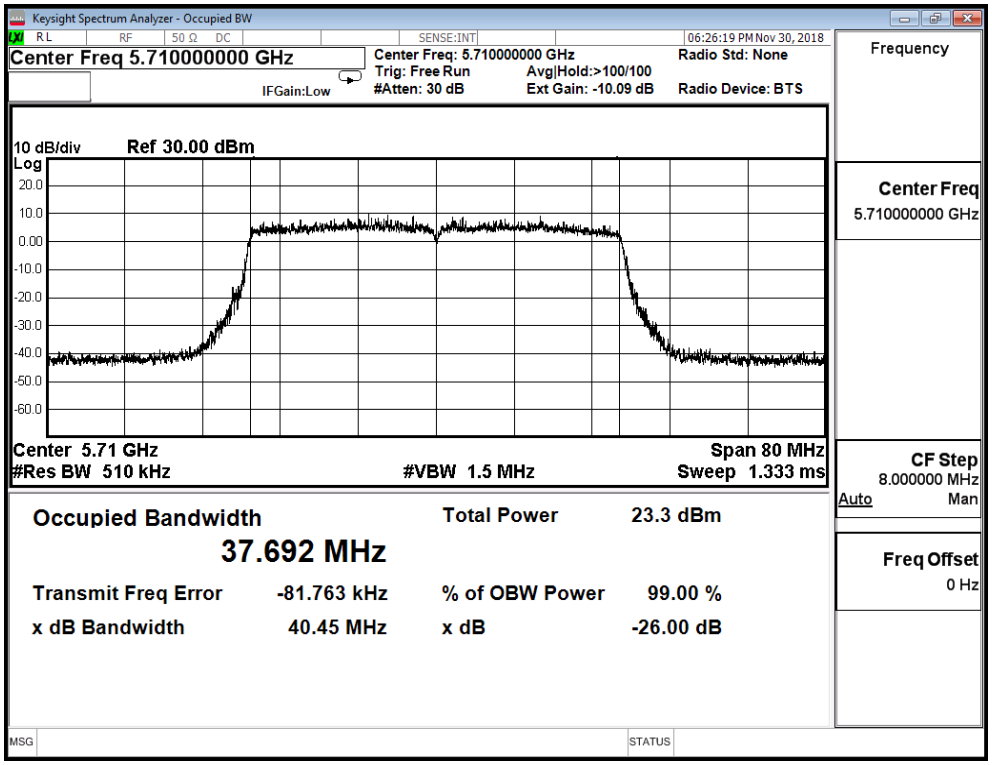
## Channel 118




## Channel 134



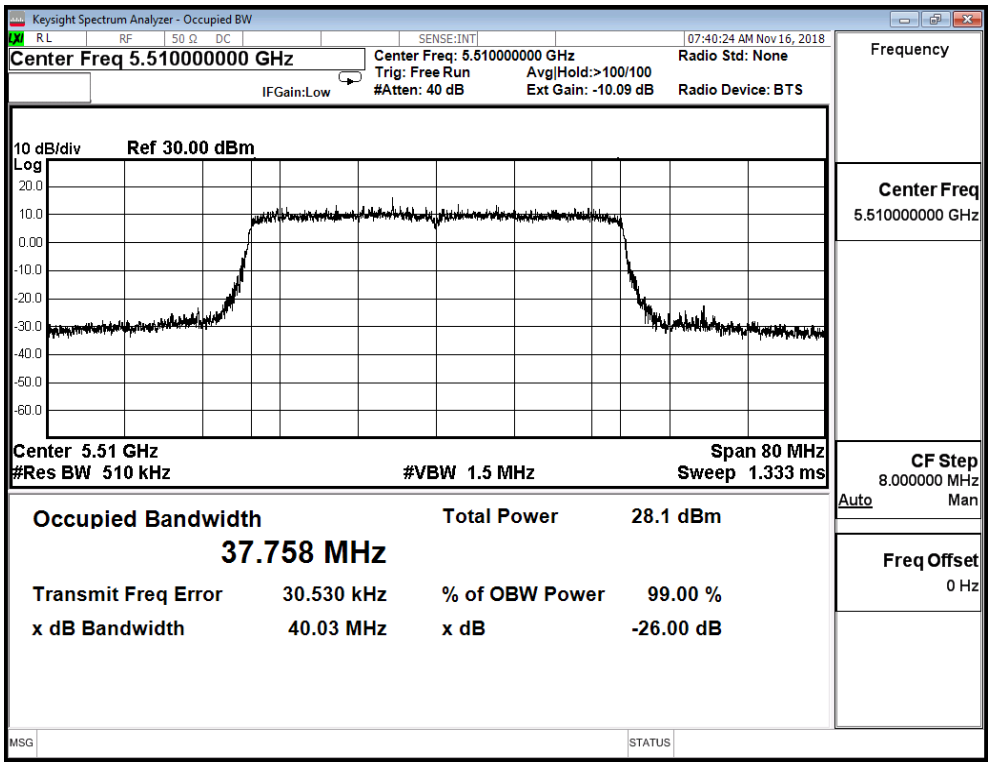
## Channel 142


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:26:19 PM Nov 30, 2018
Center Freq 5.710000000 GHz
IFGain:Low
Center Freq: 5.710000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.09 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.710000000 GHz
Center 5.71 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.692 MHz
Total Power 23.3 dBm
Freq Offset
0 Hz
Transmit Freq Error -81.763 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.45 MHz
x dB -26.00 dB
MSG
STATUS

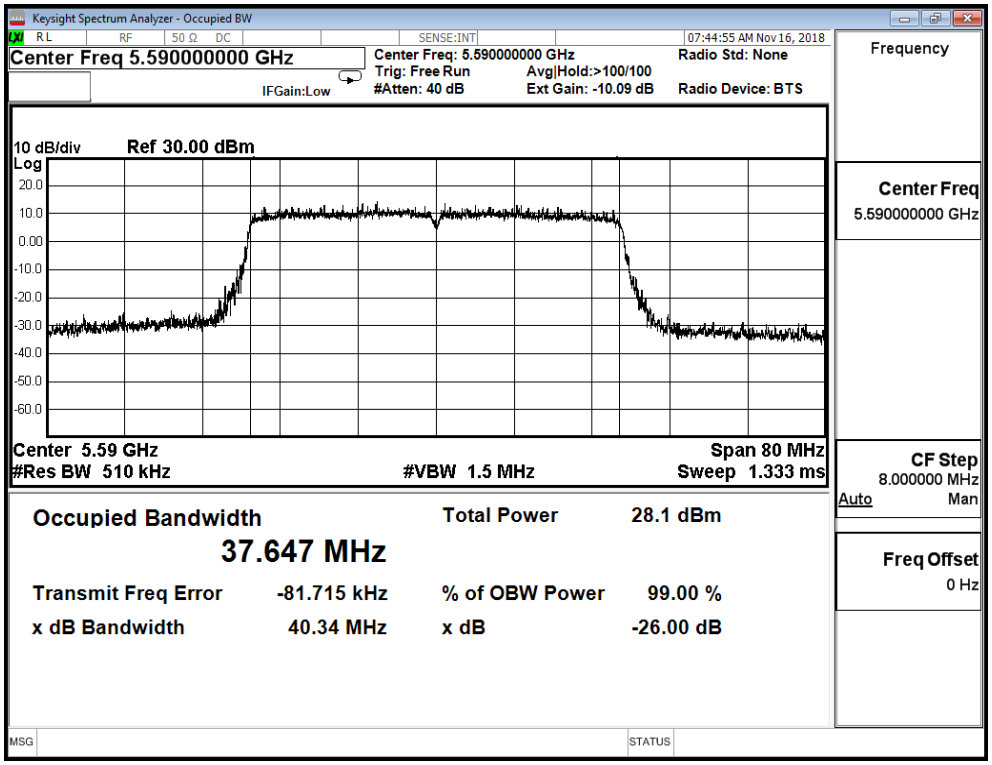
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 2) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 102 | 5510 | 37.758 | 40.030 | -- |
| 118 | 5590 | 37.647 | 40.340 | -- |
| 134 | 5670 | 37.805 | 40.690 | -- |
| 142(Band3) | 5710 | 33.878 | 35.420 | -- |
| 142(Band4) | 5710 | 3.878 | -- | -- |

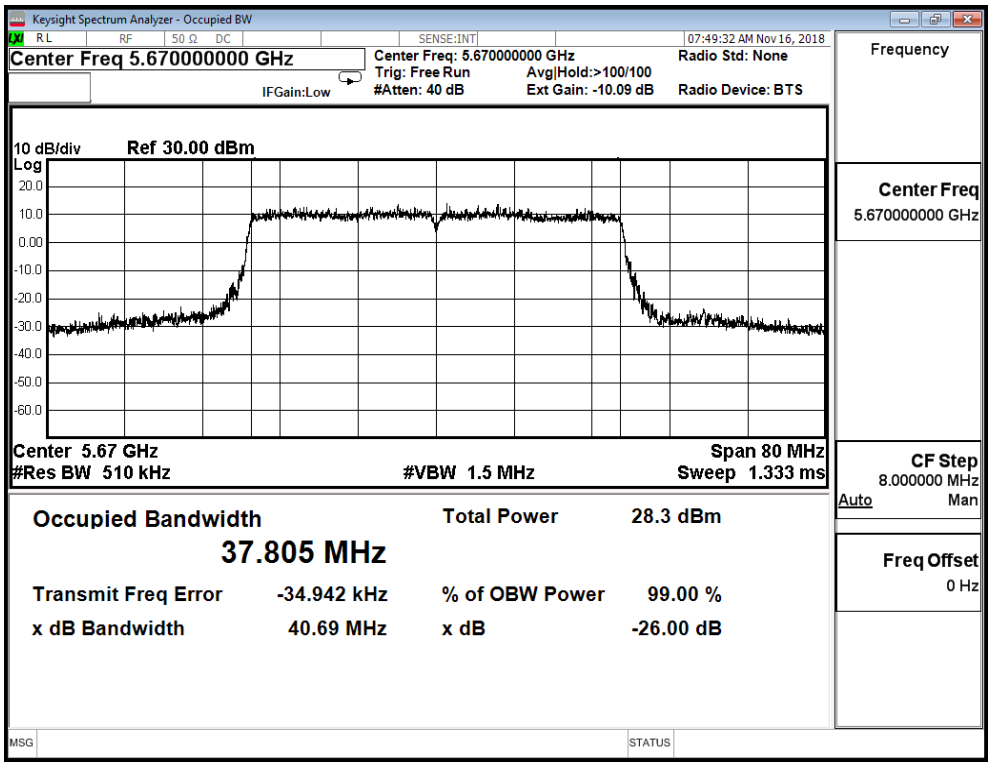
**Channel 102**



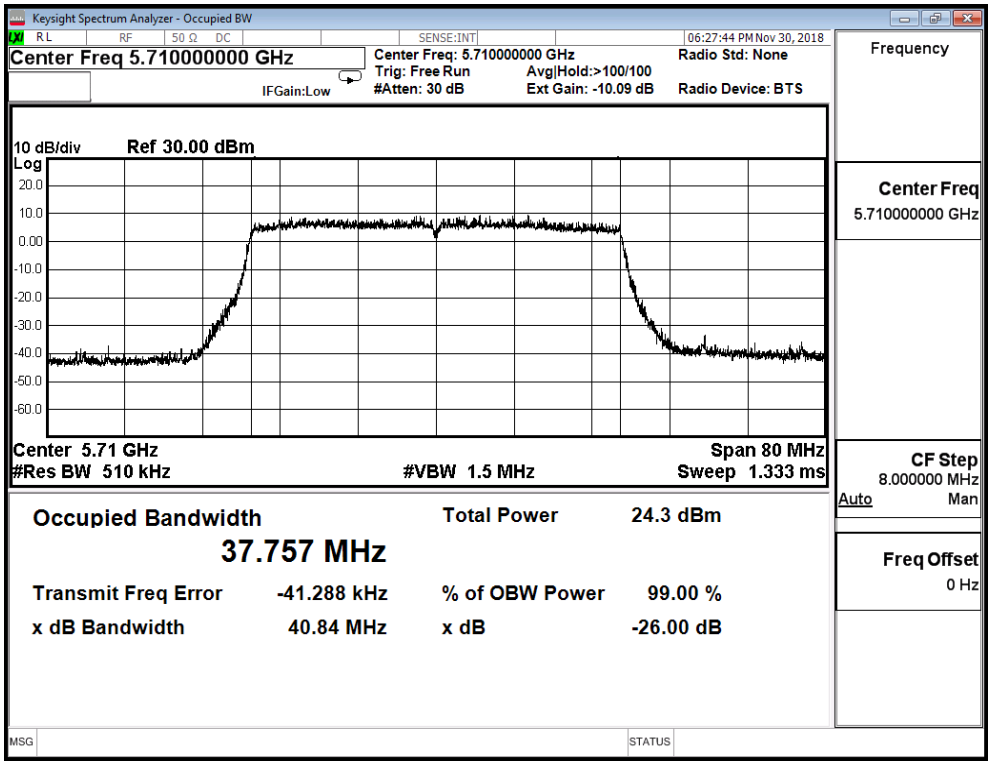
## Channel 118




## Channel 134



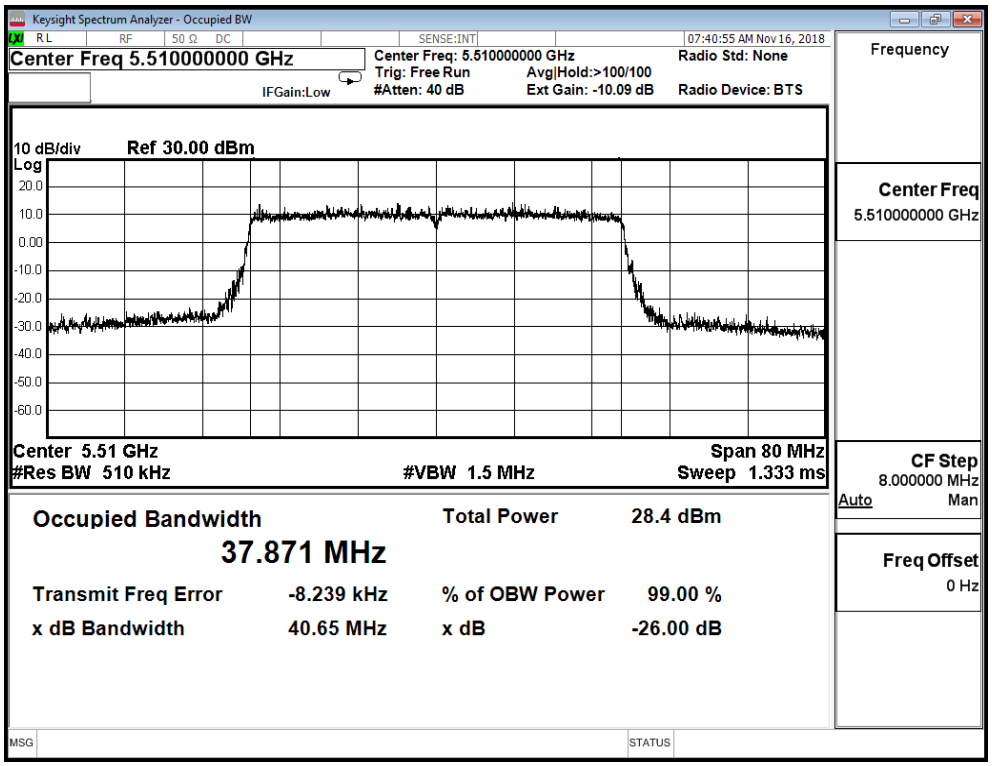
## Channel 142


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:27:44 PM Nov 30, 2018
Center Freq 5.710000000 GHz
IFGain:Low
Center Freq: 5.710000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.09 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.710000000 GHz
Center 5.71 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.757 MHz
Total Power 24.3 dBm
Freq Offset
0 Hz
Transmit Freq Error -41.288 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.84 MHz
x dB -26.00 dB
MSG
STATUS

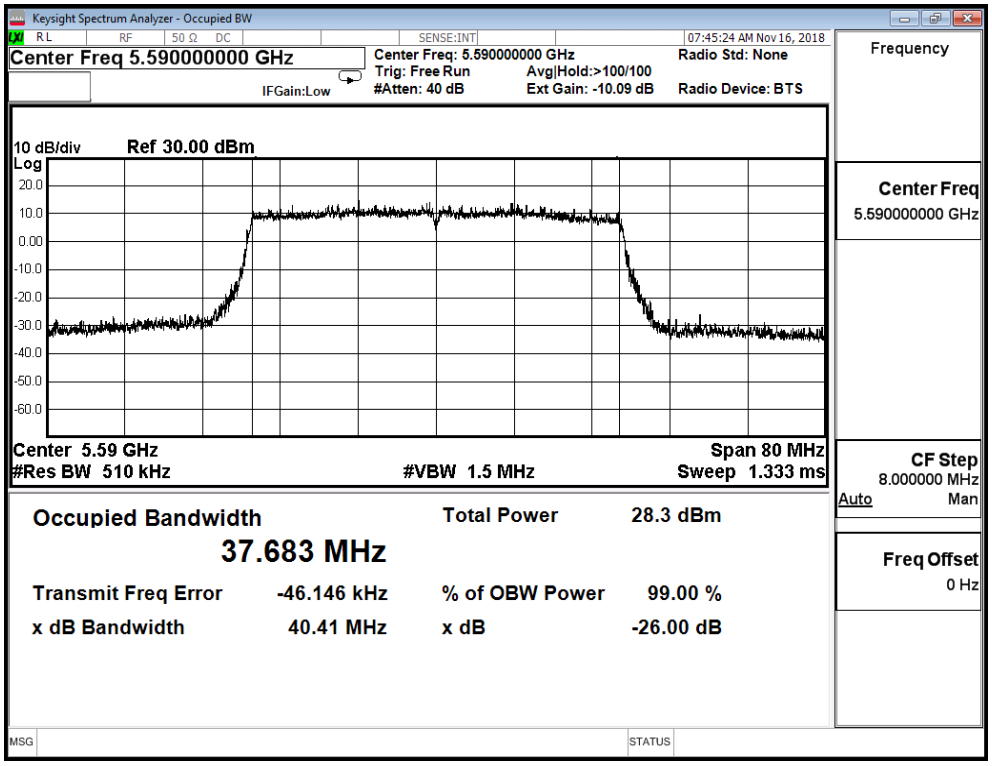
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 3) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 102 | 5510 | 37.871 | 40.650 | -- |
| 118 | 5590 | 37.683 | 40.410 | -- |
| 134 | 5670 | 37.854 | 41.370 | -- |
| 142(Band3) | 5710 | 33.873 | 35.250 | -- |
| 142(Band4) | 5710 | 3.873 | -- | -- |

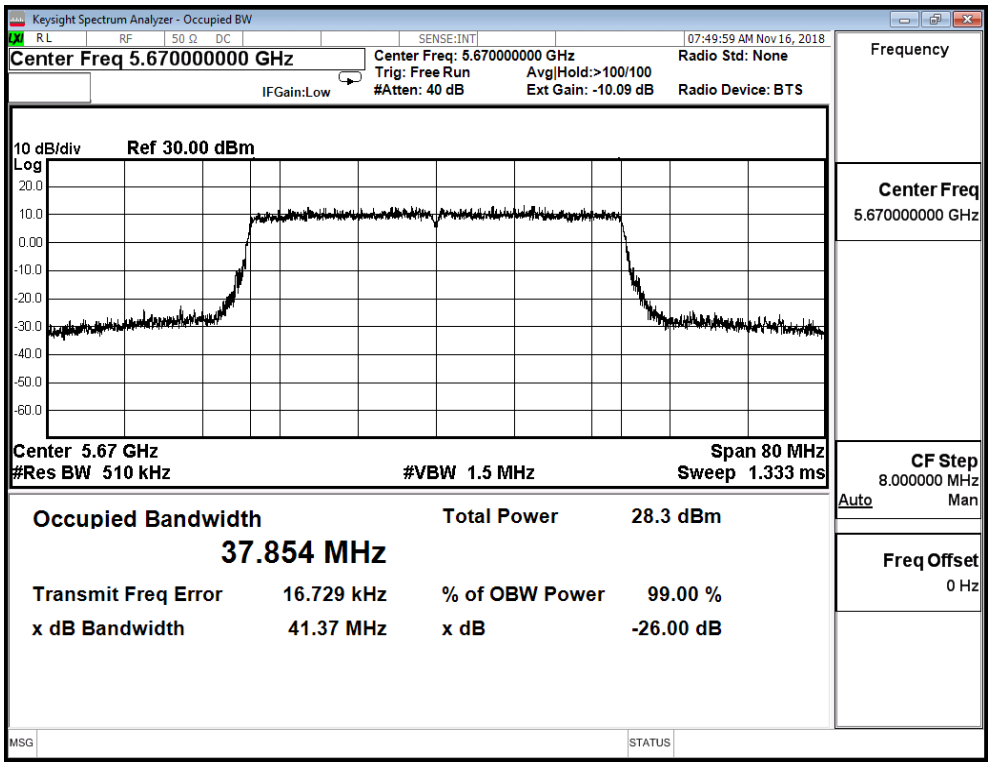
**Channel 102**



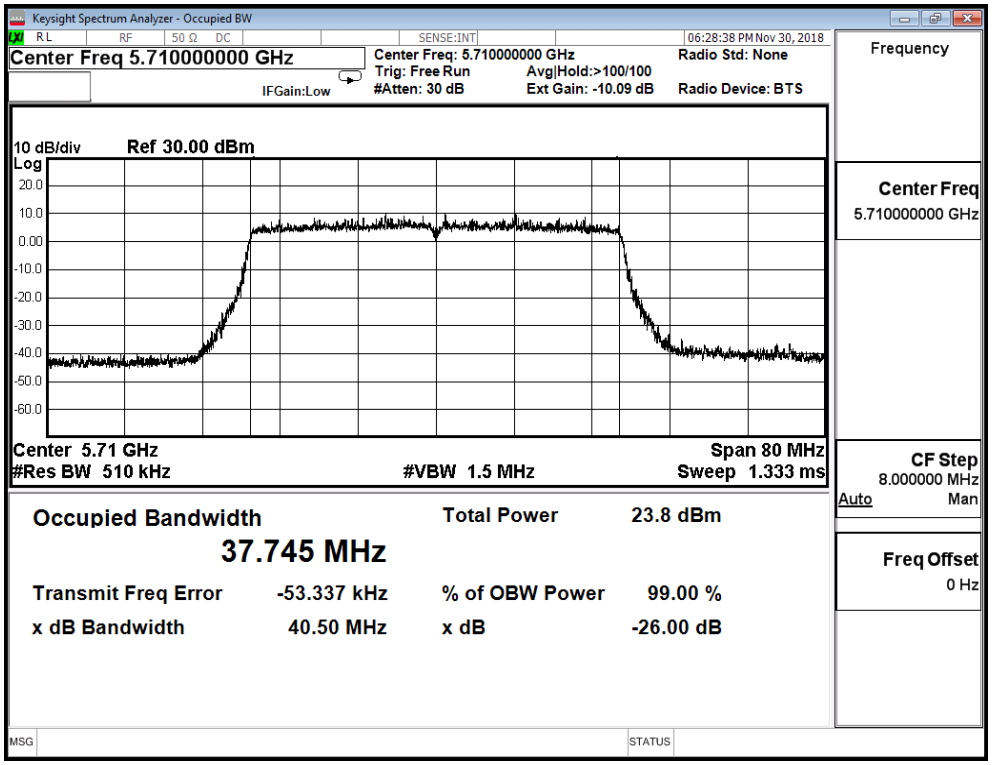
## Channel 118




## Channel 134



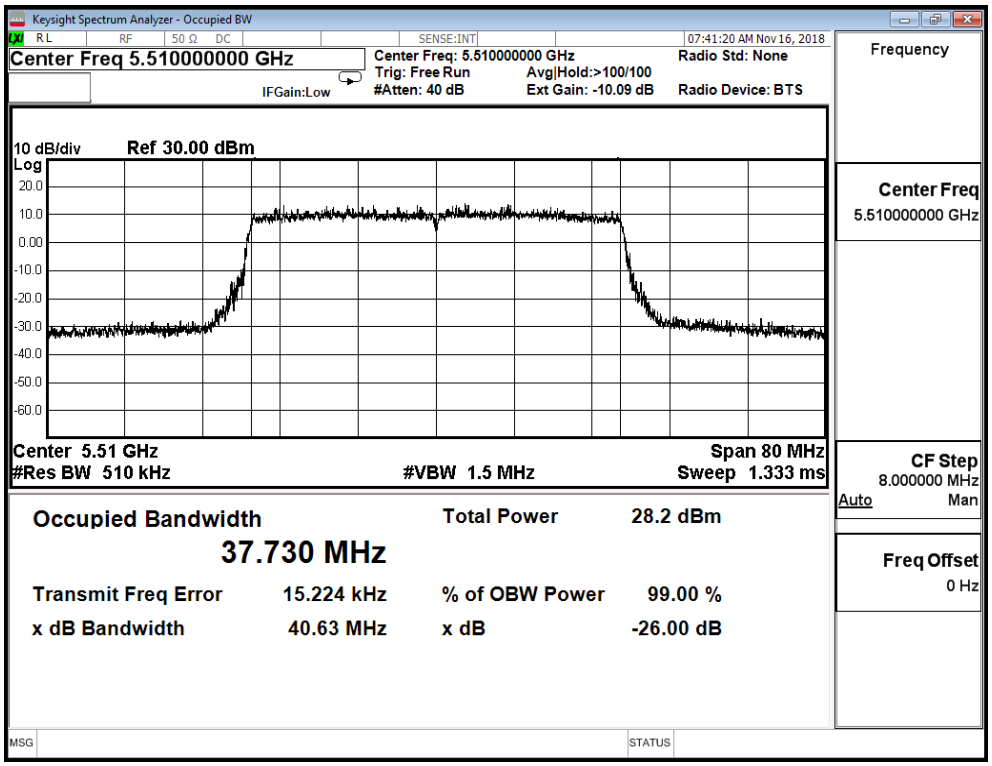
## Channel 142


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:28:38 PM Nov 30, 2018
Center Freq 5.710000000 GHz
IFGain:Low
Center Freq: 5.710000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.09 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.710000000 GHz
Center 5.71 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.745 MHz
Total Power 23.8 dBm
Freq Offset
0 Hz
Transmit Freq Error -53.337 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.50 MHz
x dB -26.00 dB
MSG
STATUS

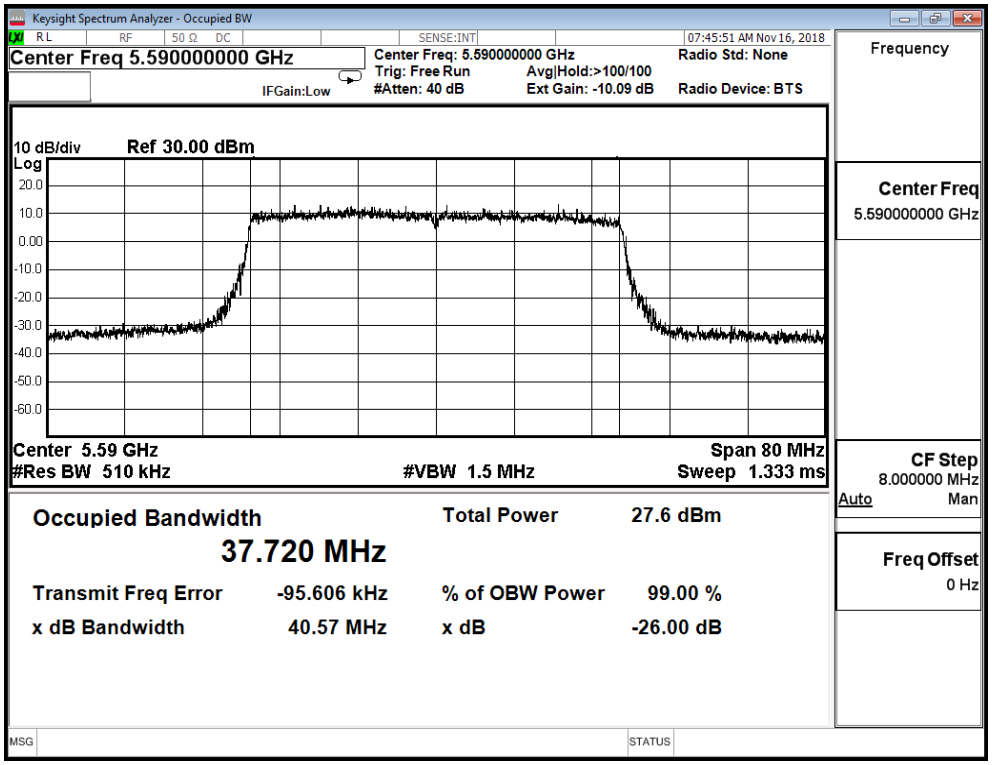
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 4) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 102 | 5510 | 37.730 | 40.630 | -- |
| 118 | 5590 | 37.720 | 40.570 | -- |
| 134 | 5670 | 37.678 | 40.650 | -- |
| 142(Band3) | 5710 | 33.889 | 35.285 | -- |
| 142(Band4) | 5710 | 3.889 | -- | -- |

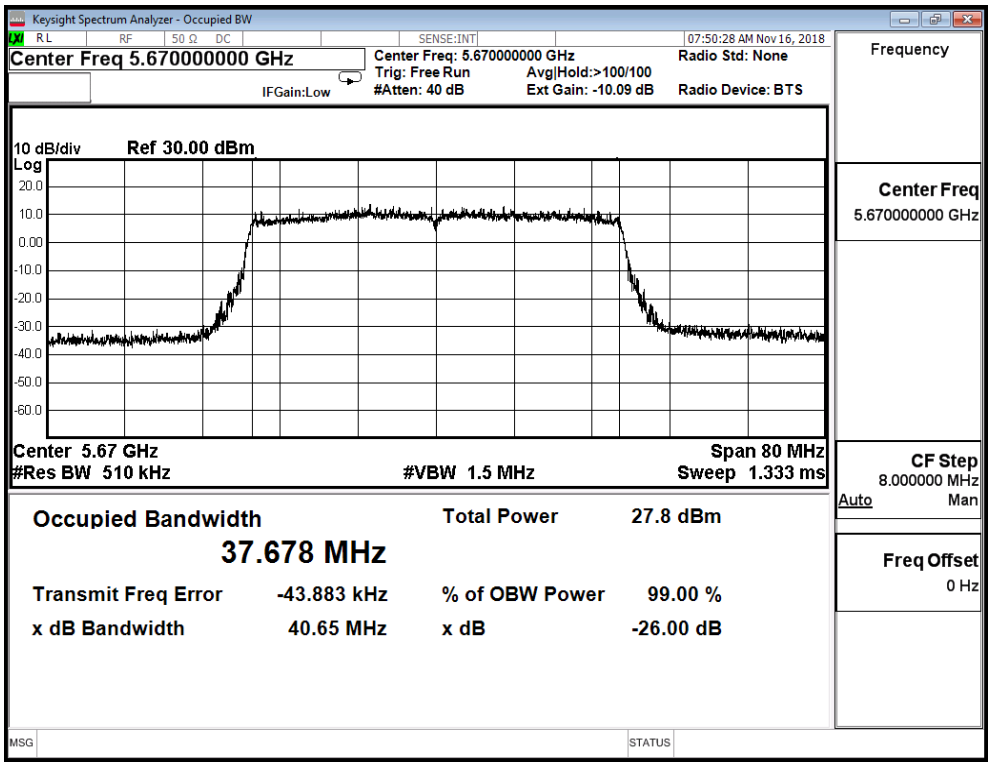
**Channel 102**



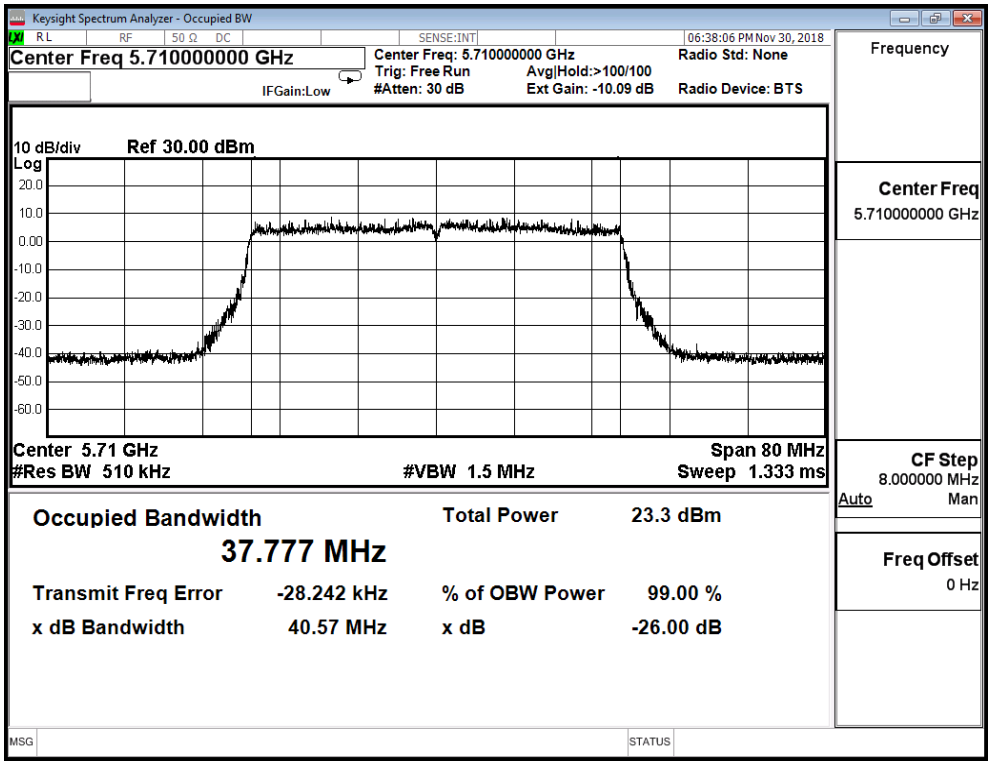
## Channel 118




## Channel 134



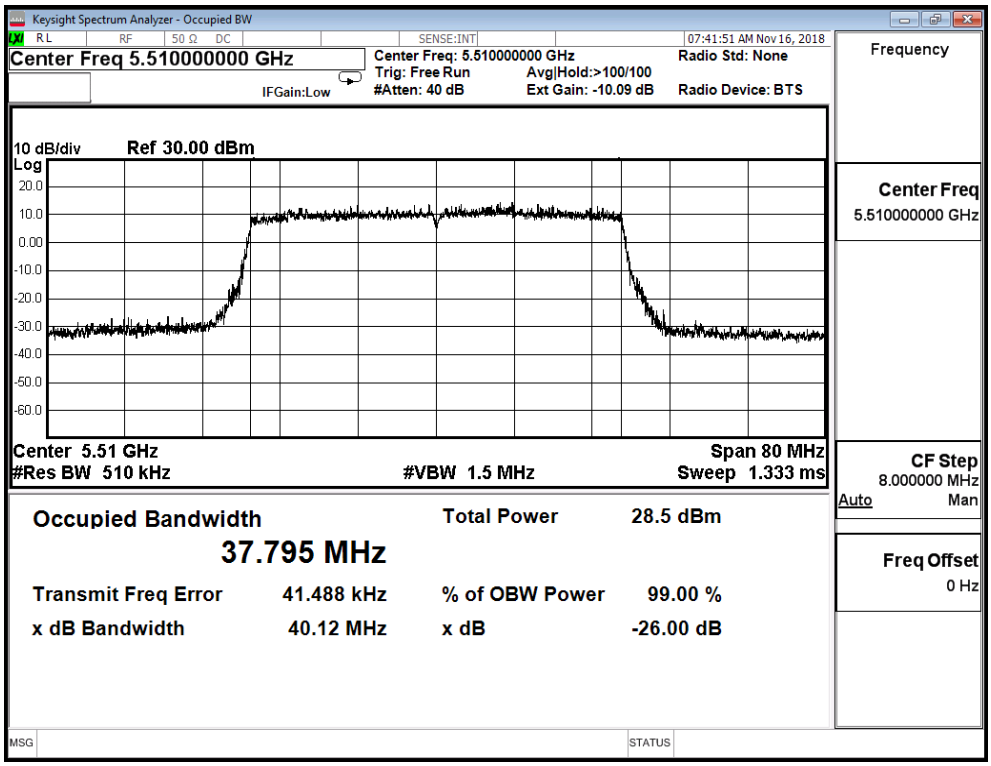
## Channel 142


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:38:06 PM Nov 30, 2018
Center Freq 5.710000000 GHz
IFGain:Low
Center Freq: 5.710000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.09 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.710000000 GHz
Center 5.71 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.777 MHz
Total Power 23.3 dBm
Freq Offset
0 Hz
Transmit Freq Error -28.242 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.57 MHz
x dB -26.00 dB
MSG
STATUS

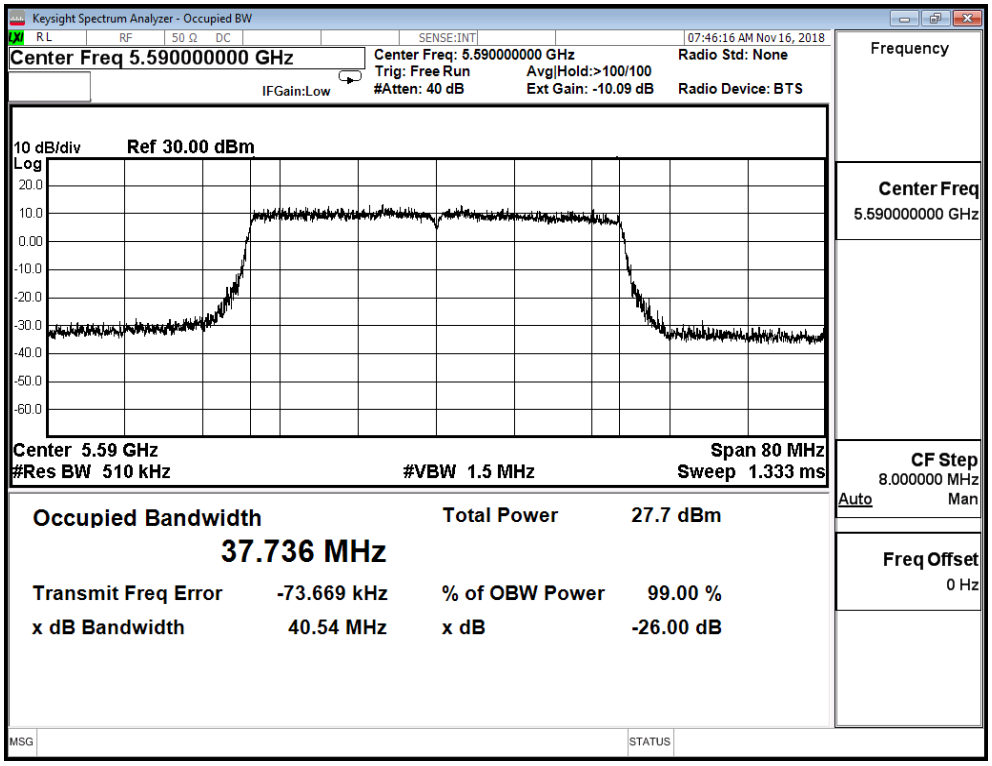
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 5) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 102 | 5510 | 37.795 | 40.120 | -- |
| 118 | 5590 | 37.736 | 40.540 | -- |
| 134 | 5670 | 37.744 | 40.390 | -- |
| 142(Band3) | 5710 | 33.886 | 35.410 | -- |
| 142(Band4) | 5710 | 3.886 | -- | -- |

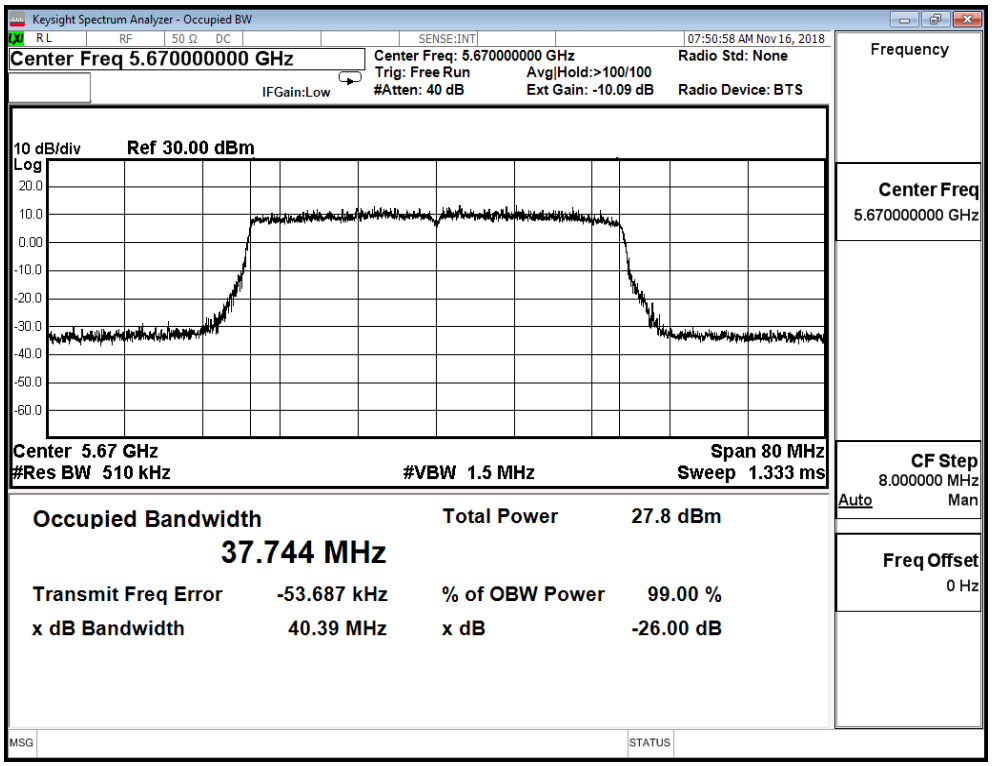
**Channel 102**



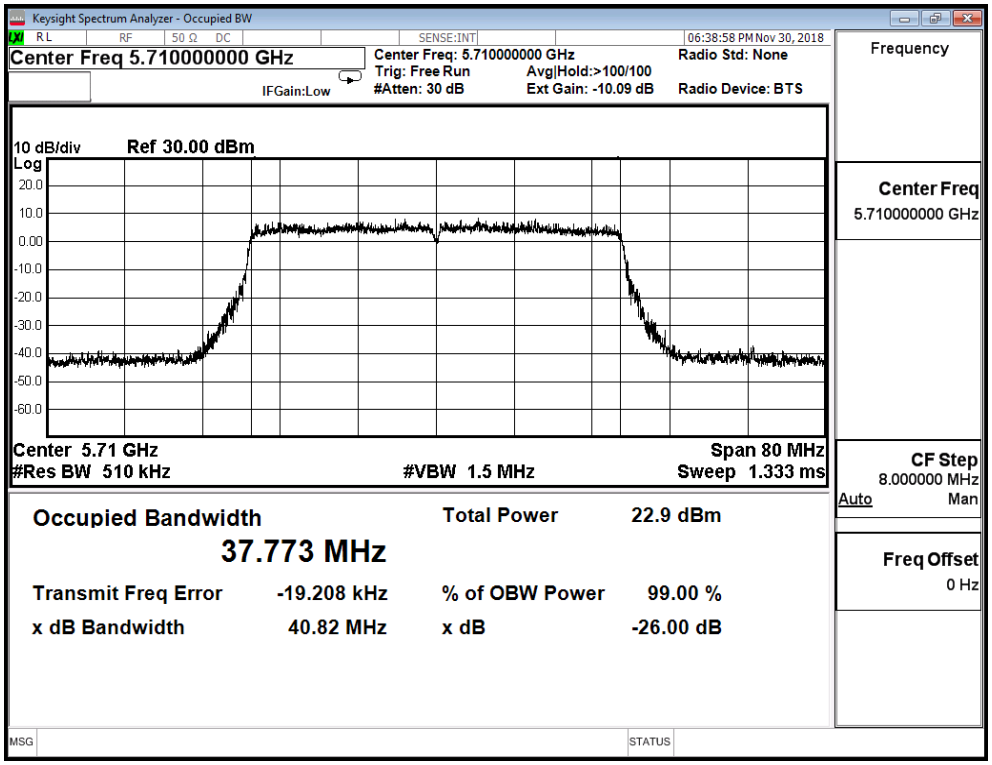
## Channel 118




## Channel 134



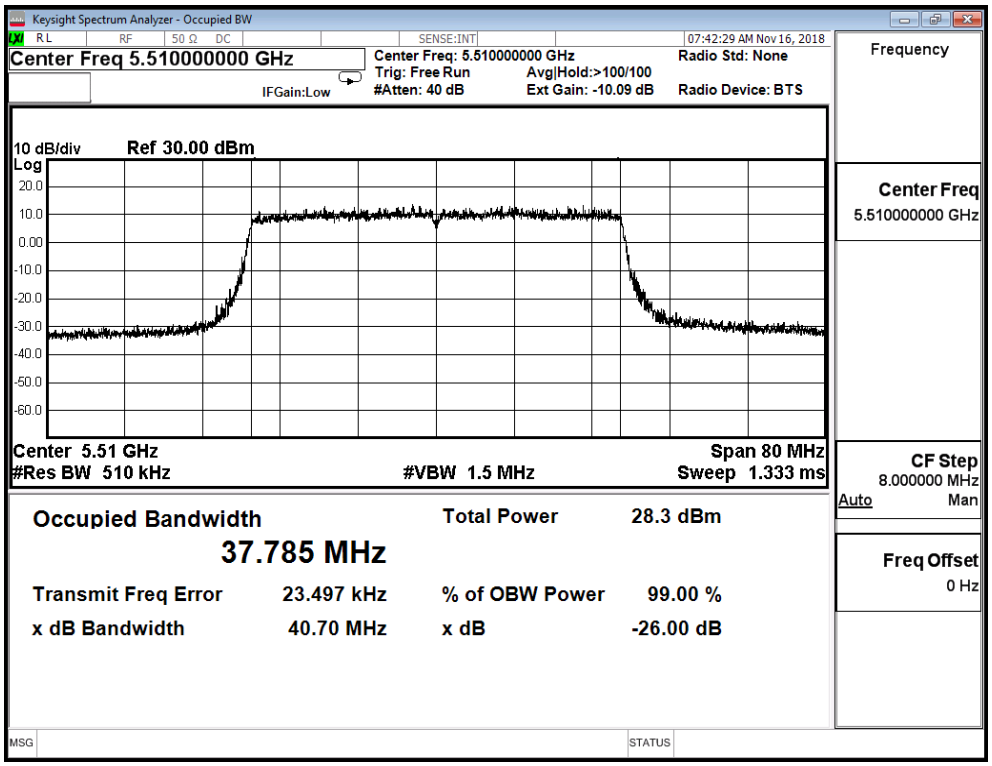
## Channel 142


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:38:58 PM Nov 30, 2018
Center Freq 5.710000000 GHz
IFGain:Low
Center Freq: 5.710000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.09 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.710000000 GHz
Center 5.71 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.773 MHz
Total Power 22.9 dBm
Freq Offset
0 Hz
Transmit Freq Error -19.208 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.82 MHz
x dB -26.00 dB
MSG
STATUS

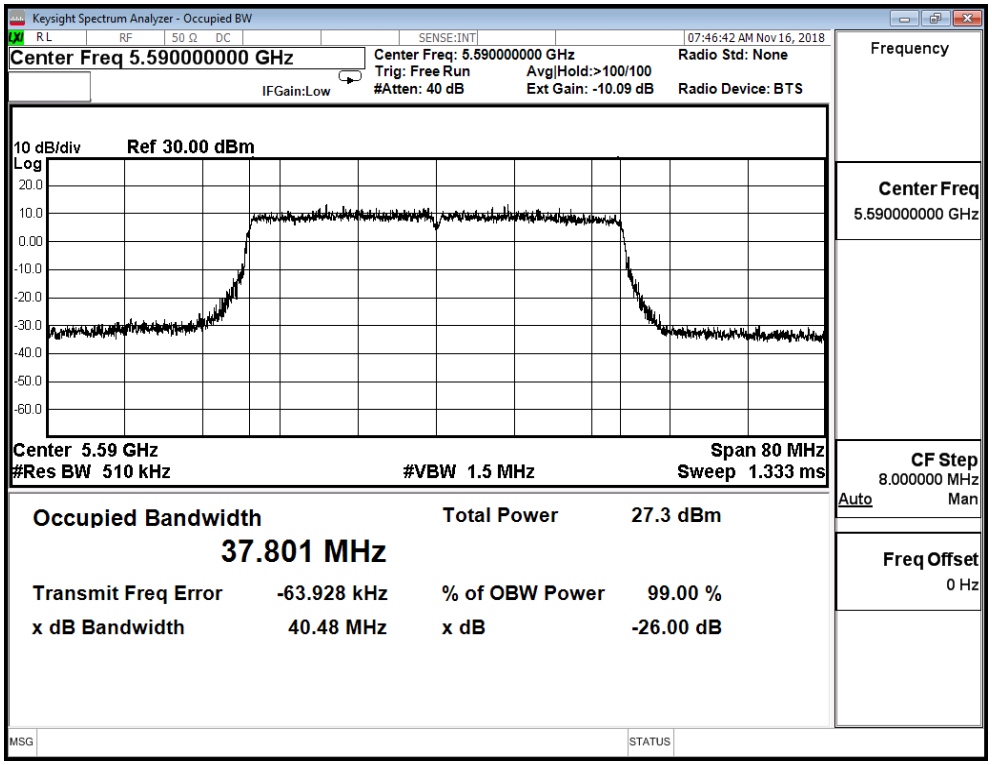
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 6) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 102 | 5510 | 37.785 | 40.700 | -- |
| 118 | 5590 | 37.801 | 40.480 | -- |
| 134 | 5670 | 37.625 | 40.310 | -- |
| 142(Band3) | 5710 | 33.868 | 35.460 | -- |
| 142(Band4) | 5710 | 3.868 | -- | -- |

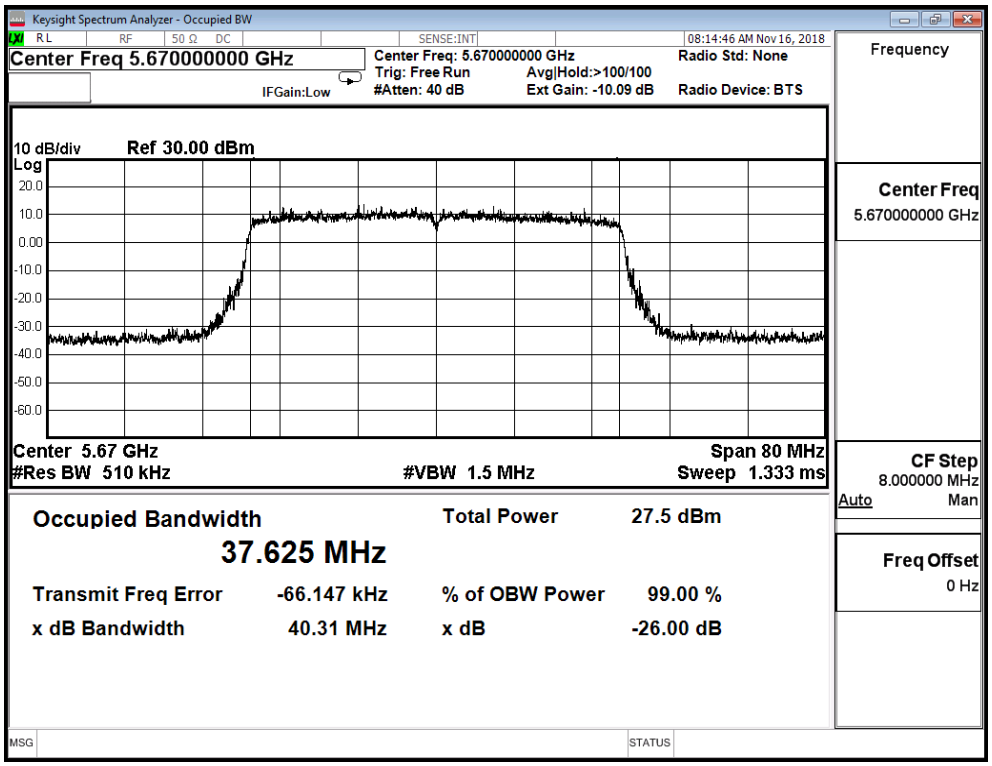
**Channel 102**



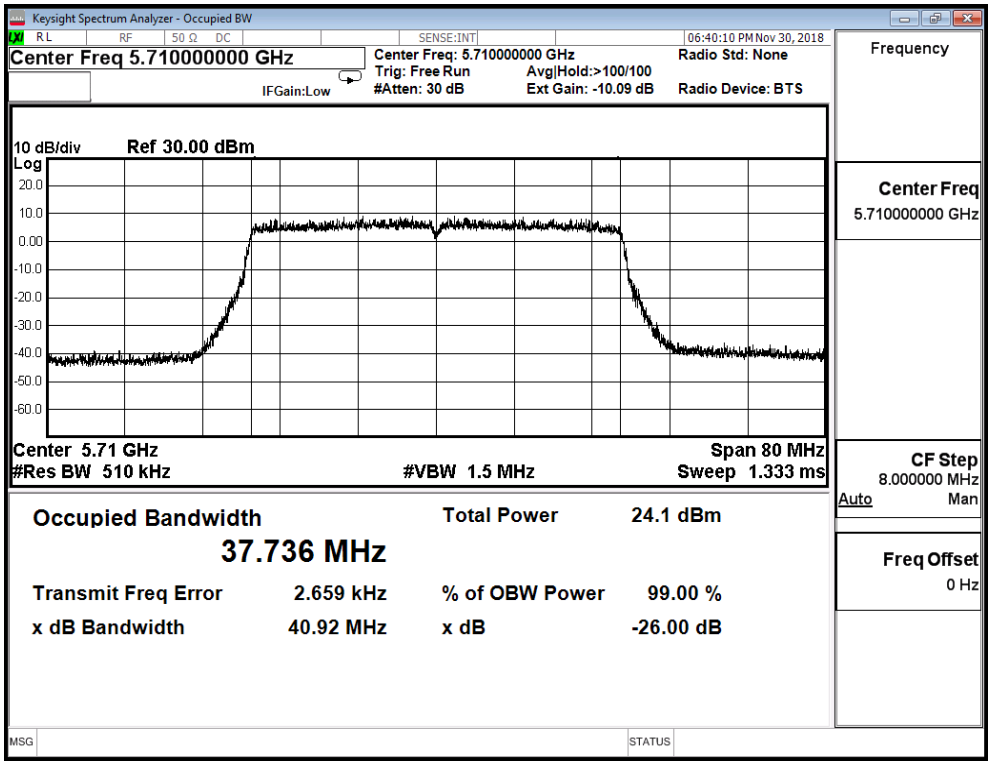
## Channel 118




## Channel 134



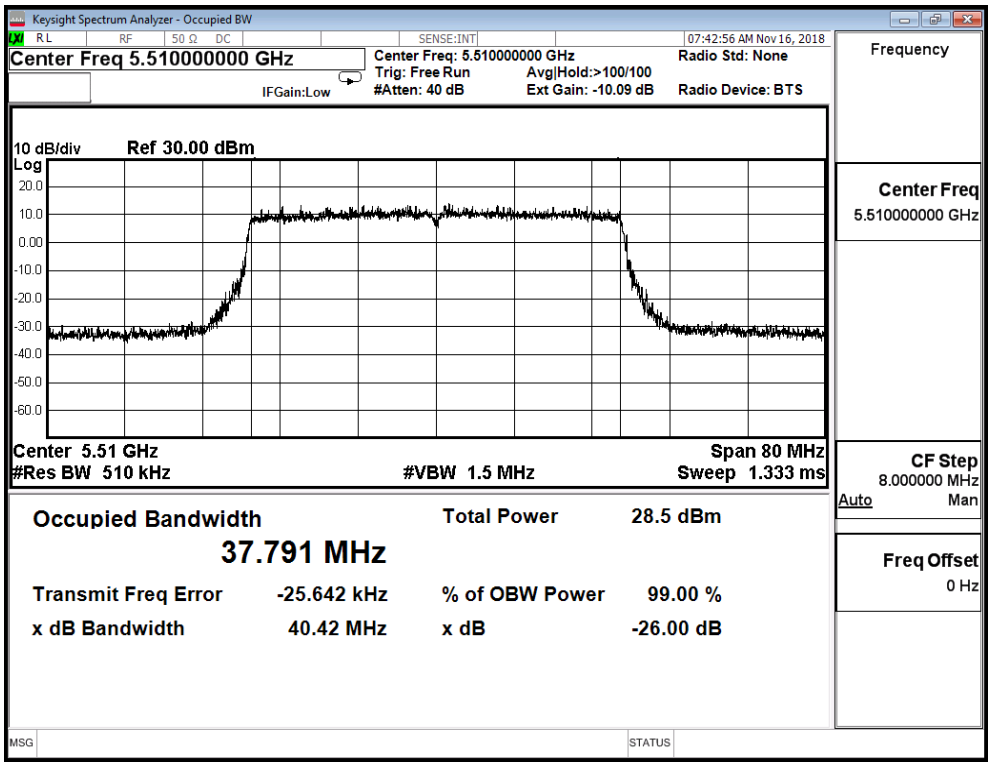
## Channel 142


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:40:10 PM Nov 30, 2018
Center Freq 5.710000000 GHz
IFGain:Low
Center Freq: 5.710000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.09 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.710000000 GHz
Center 5.71 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.736 MHz
Total Power 24.1 dBm
Freq Offset
0 Hz
Transmit Freq Error 2.659 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.92 MHz
x dB -26.00 dB
MSG
STATUS

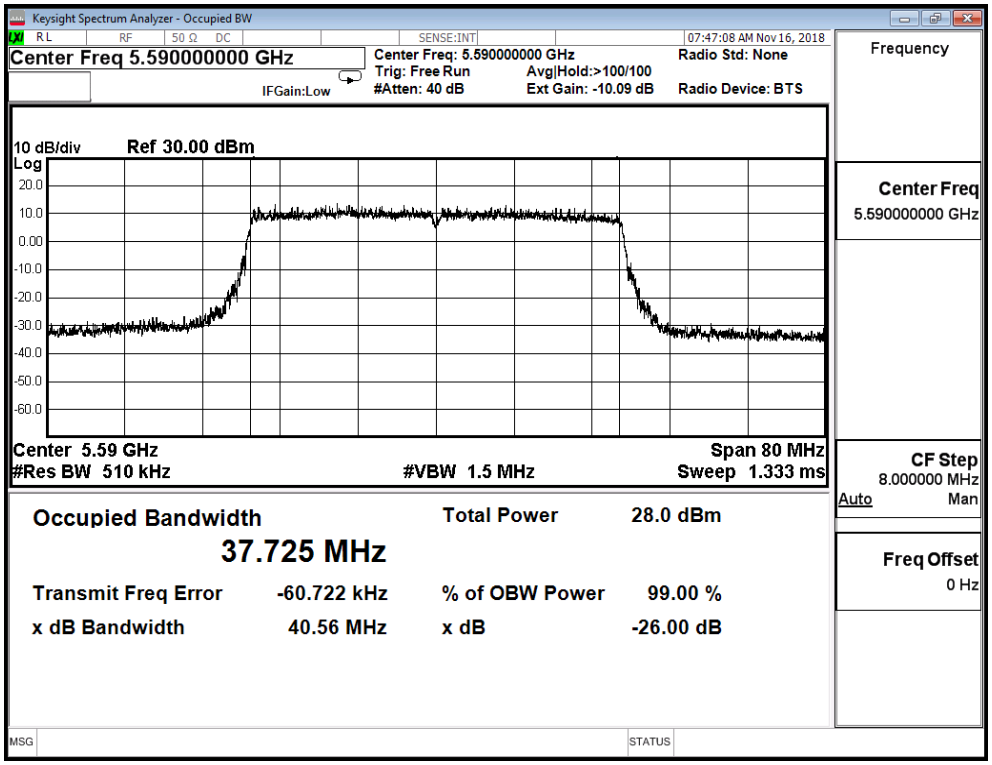
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_40M(ANT 8) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 102 | 5510 | 37.791 | 40.420 | -- |
| 118 | 5590 | 37.725 | 40.560 | -- |
| 134 | 5670 | 37.805 | 40.760 | -- |
| 142(Band3) | 5710 | 33.880 | 35.585 | -- |
| 142(Band4) | 5710 | 3.880 | -- | -- |

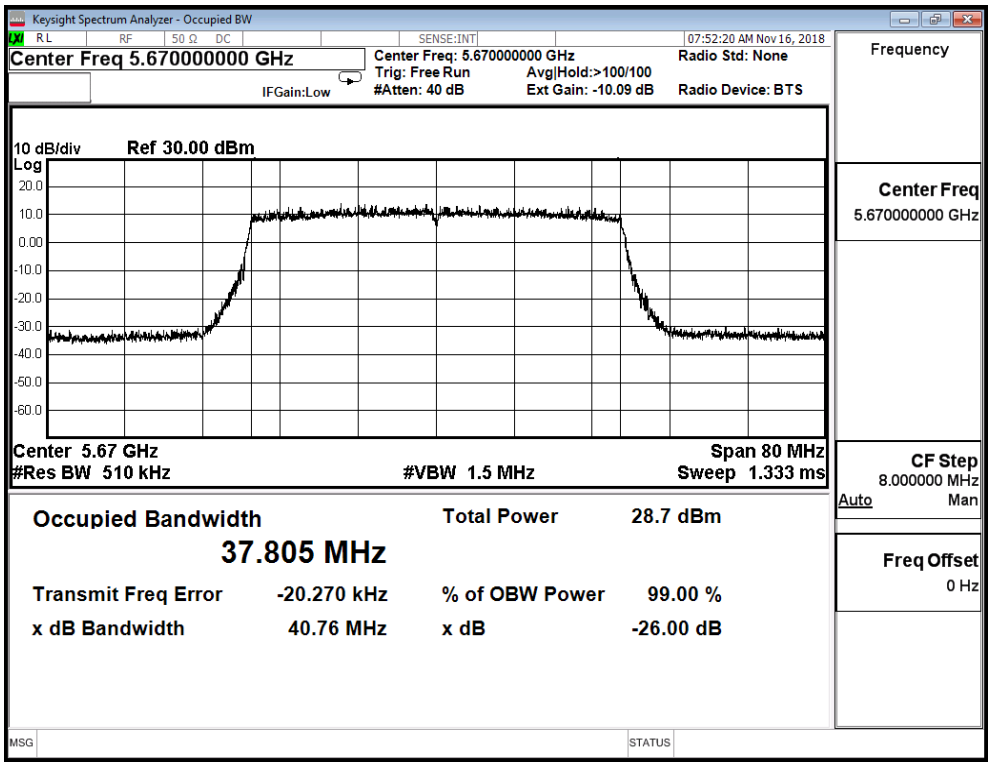
**Channel 102**



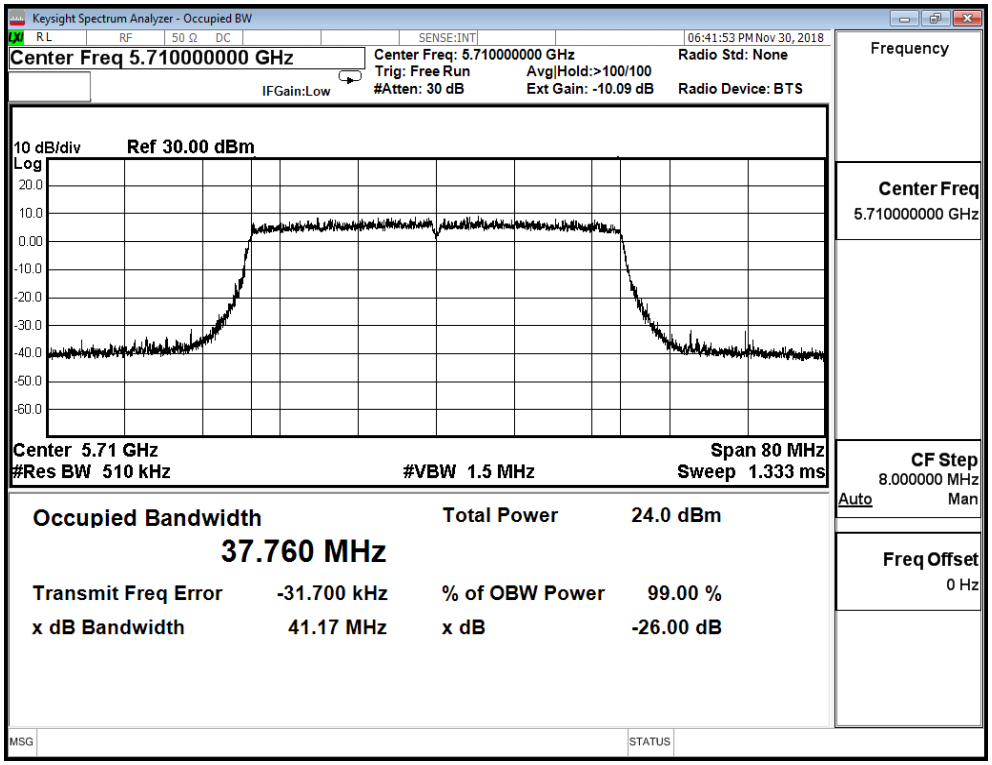
## Channel 118




## Channel 134



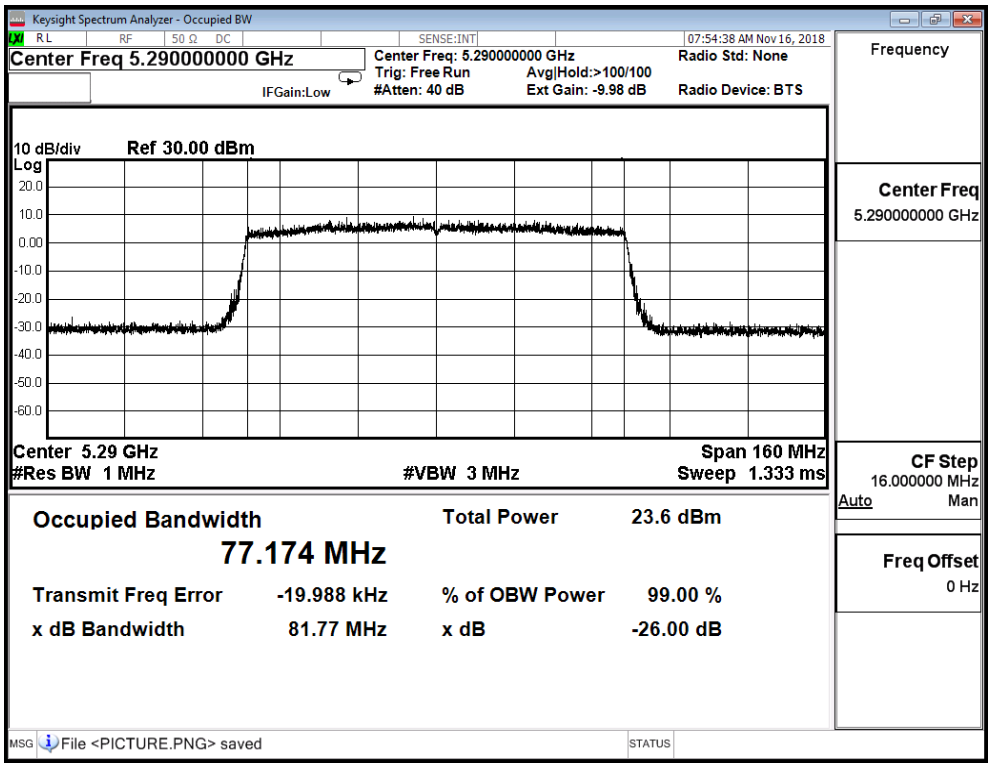
## Channel 142


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
06:41:53 PM Nov 30, 2018
Center Freq 5.710000000 GHz
IFGain:Low
Center Freq: 5.710000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -10.09 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
5.710000000 GHz
Center 5.71 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.760 MHz
Total Power 24.0 dBm
Freq Offset
0 Hz
Transmit Freq Error -31.700 kHz
% of OBW Power 99.00 %
x dB Bandwidth 41.17 MHz
x dB -26.00 dB
MSG
STATUS

| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 0) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 58 | 5290 | 77.174 | 81.770 | -- |

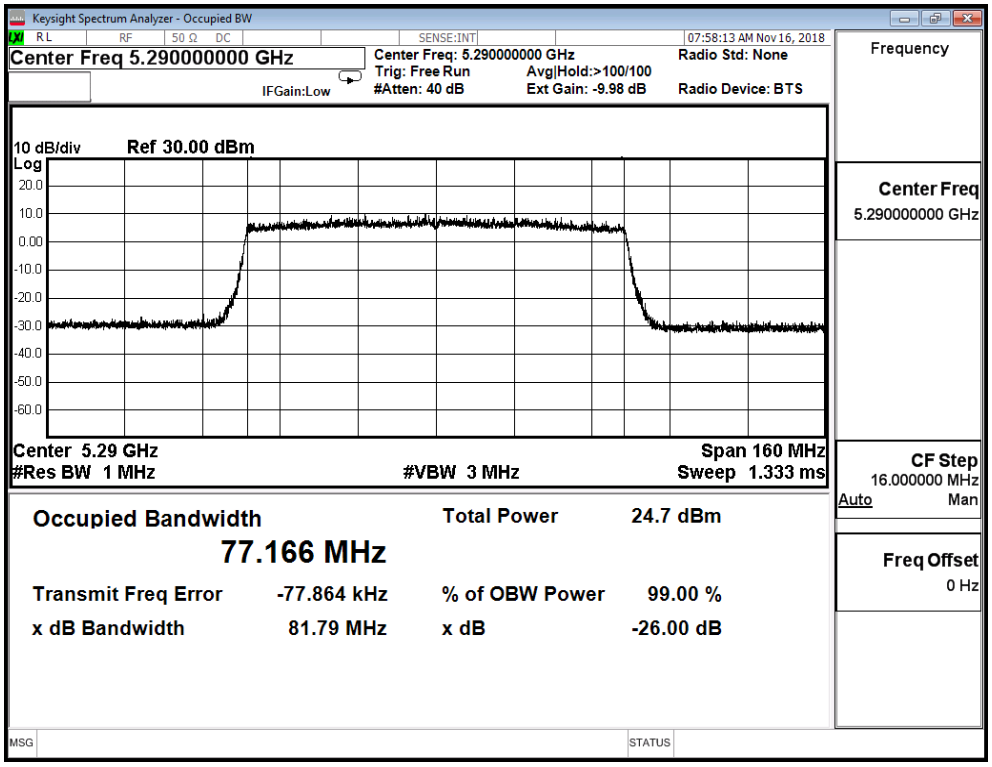
**Channel 58**



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 1) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 58 | 5290 | 77.166 | 81.790 | -- |

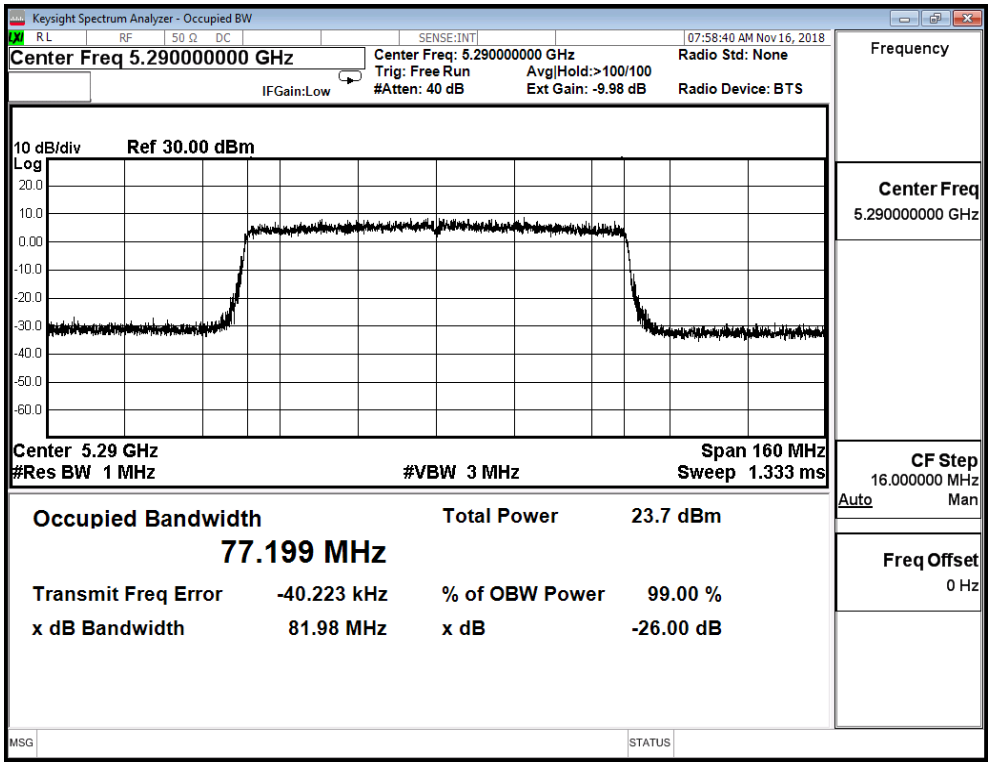
**Channel 58**



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 2) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 58 | 5290 | 77.199 | 81.980 | -- |

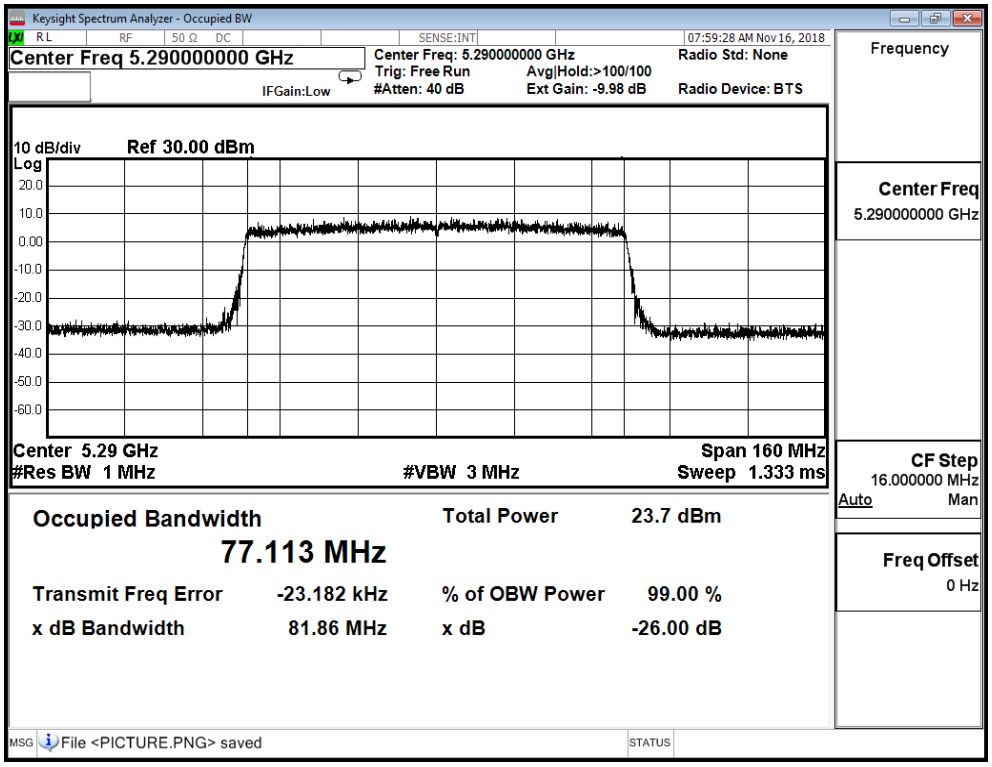
**Channel 58**



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 3) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 58 | 5290 | 77.113 | 81.860 | -- |

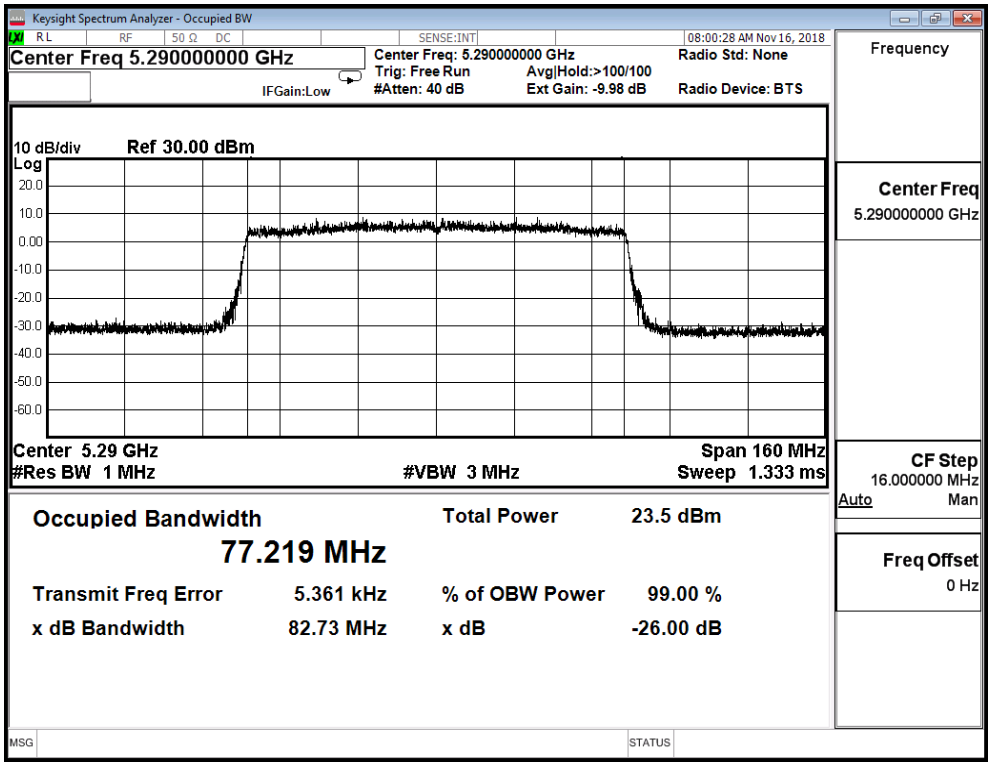
**Channel 58**



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 4) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 58 | 5290 | 77.219 | 82.730 | -- |

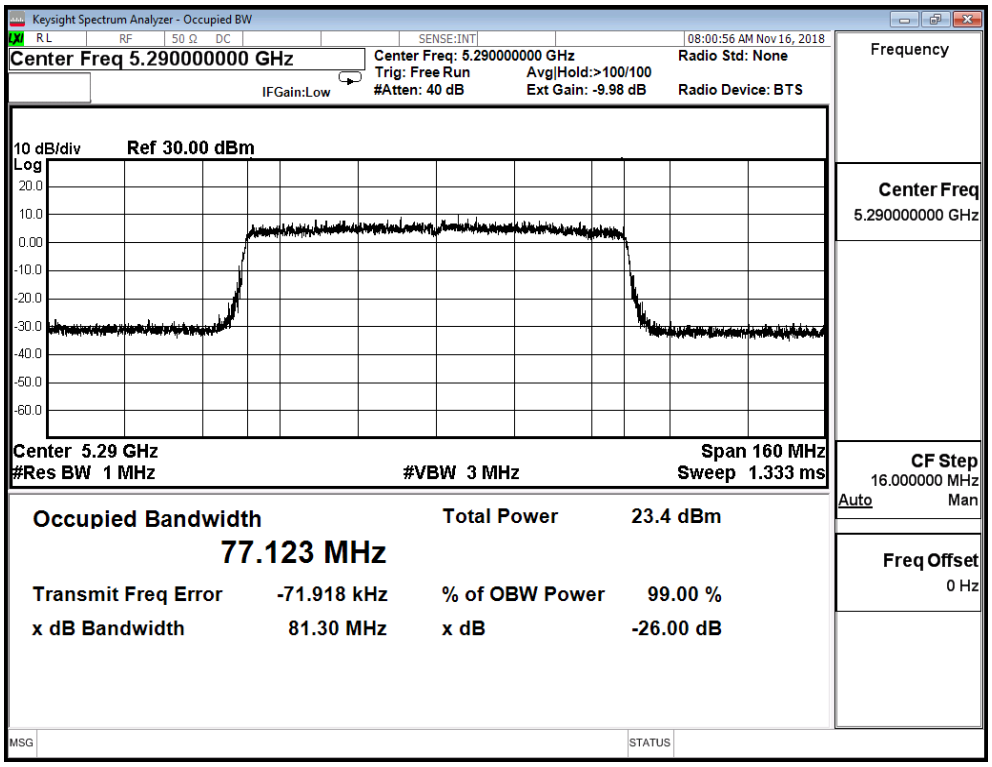
**Channel 58**



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 5) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 58 | 5290 | 77.123 | 81.300 | -- |

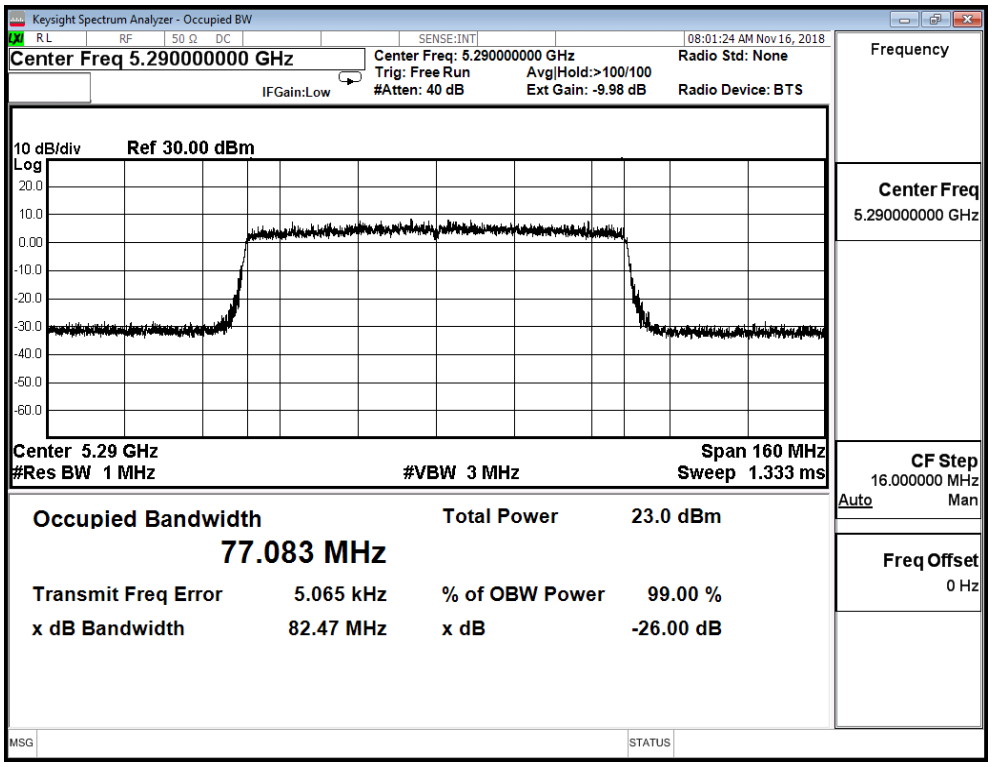
**Channel 58**



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 6) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 58 | 5290 | 77.083 | 82.470 | -- |

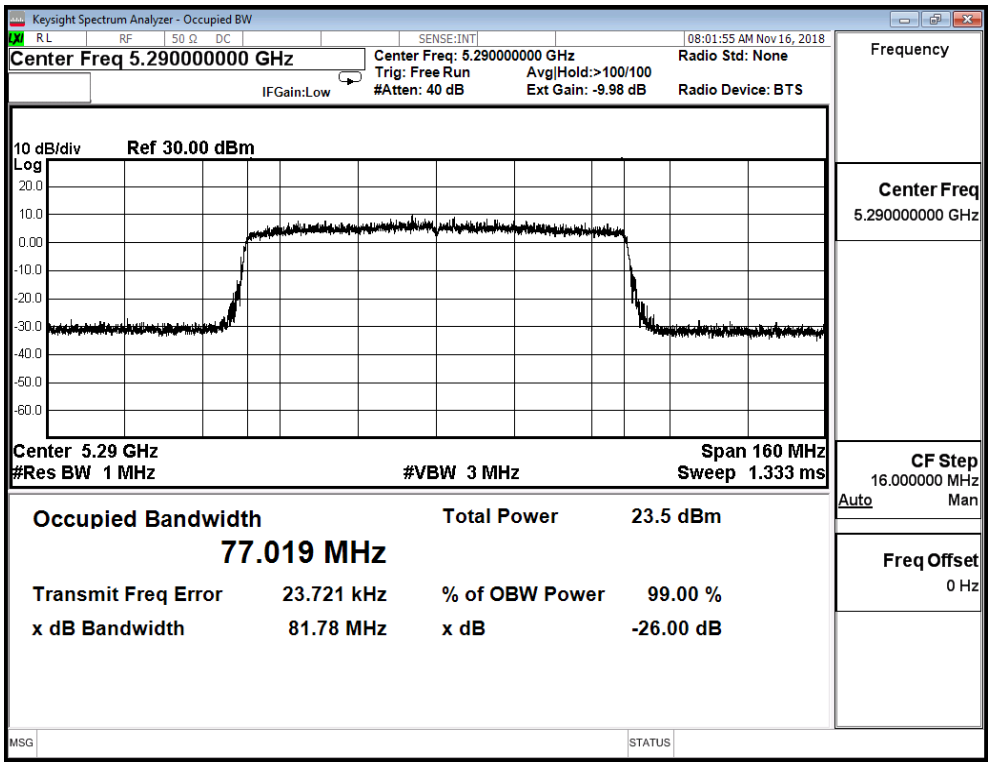
**Channel 58**



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 8) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 58 | 5290 | 77.019 | 81.780 | -- |

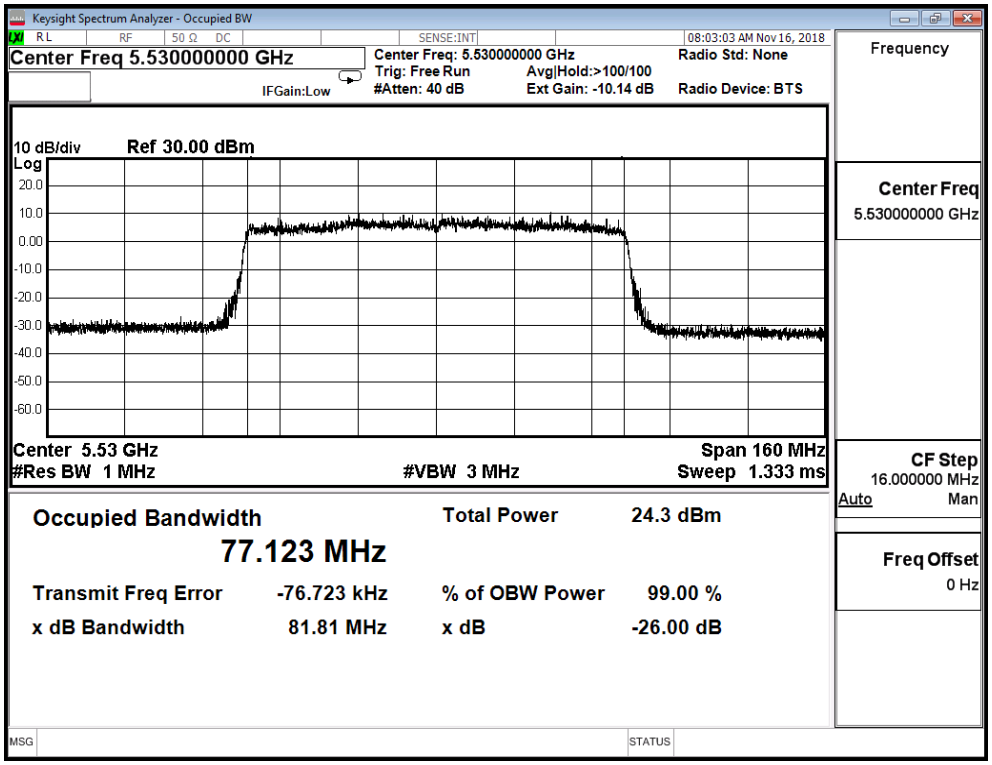
**Channel 58**



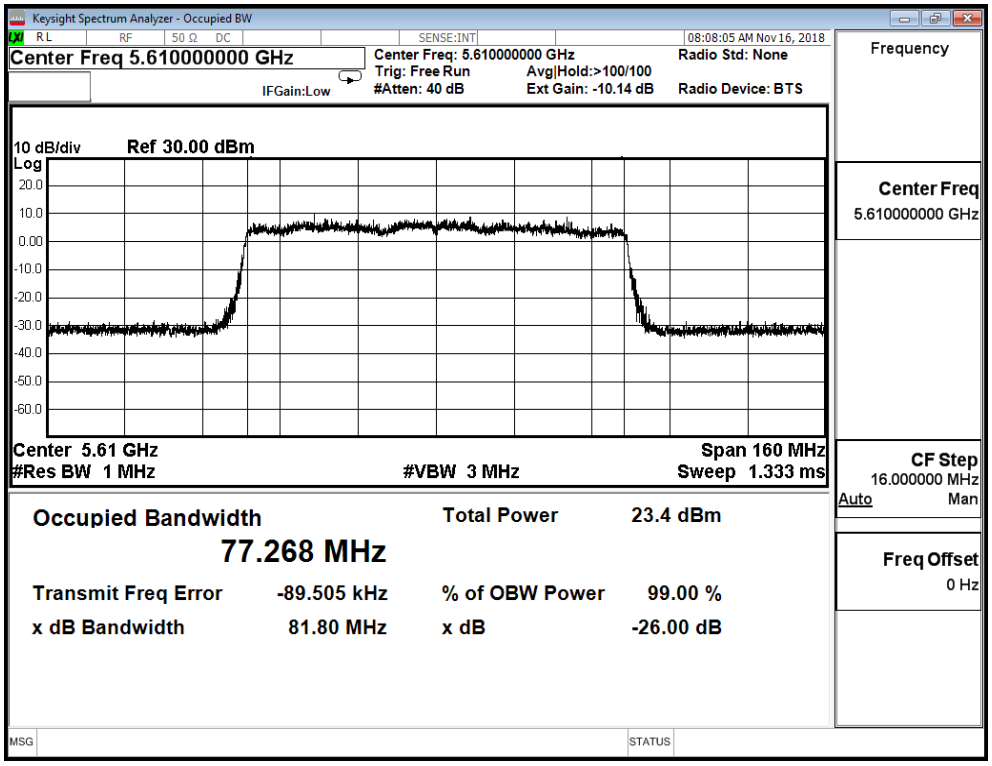
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 0) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 106 | 5530 | 77.123 | 81.810 | -- |
| 122 | 5610 | 77.268 | 81.800 | -- |
| 138(Band3) | 5690 | 73.609 | 75.655 | -- |
| 138(Band4) | 5690 | 3.609 | -- | -- |

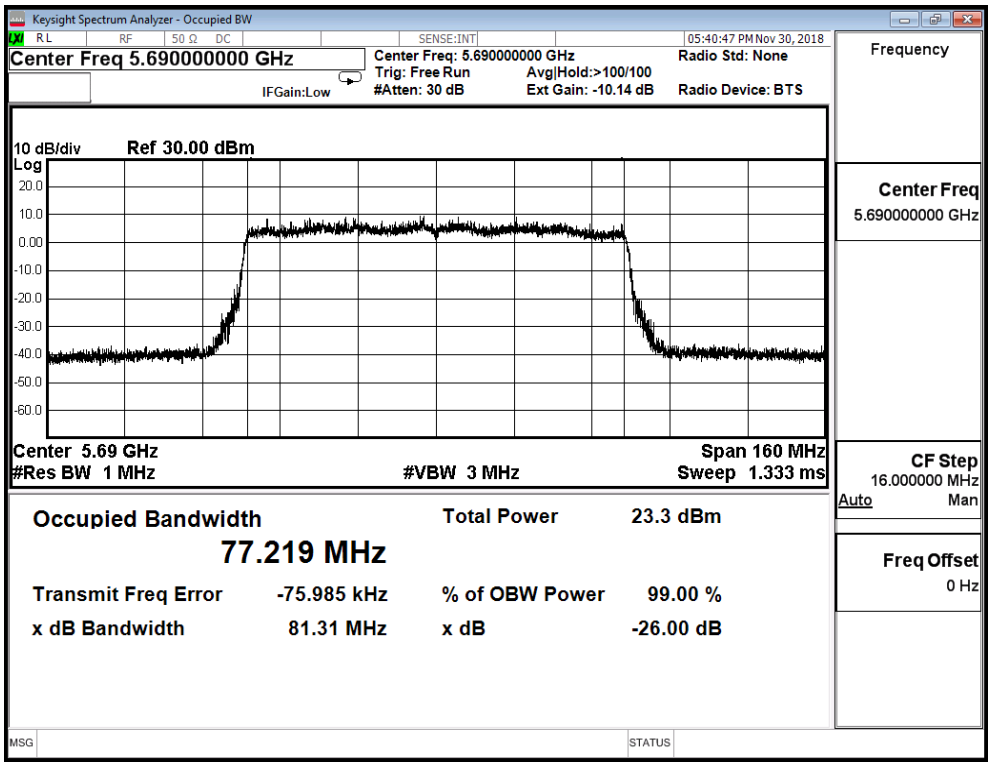
**Channel 106**



## Channel 122



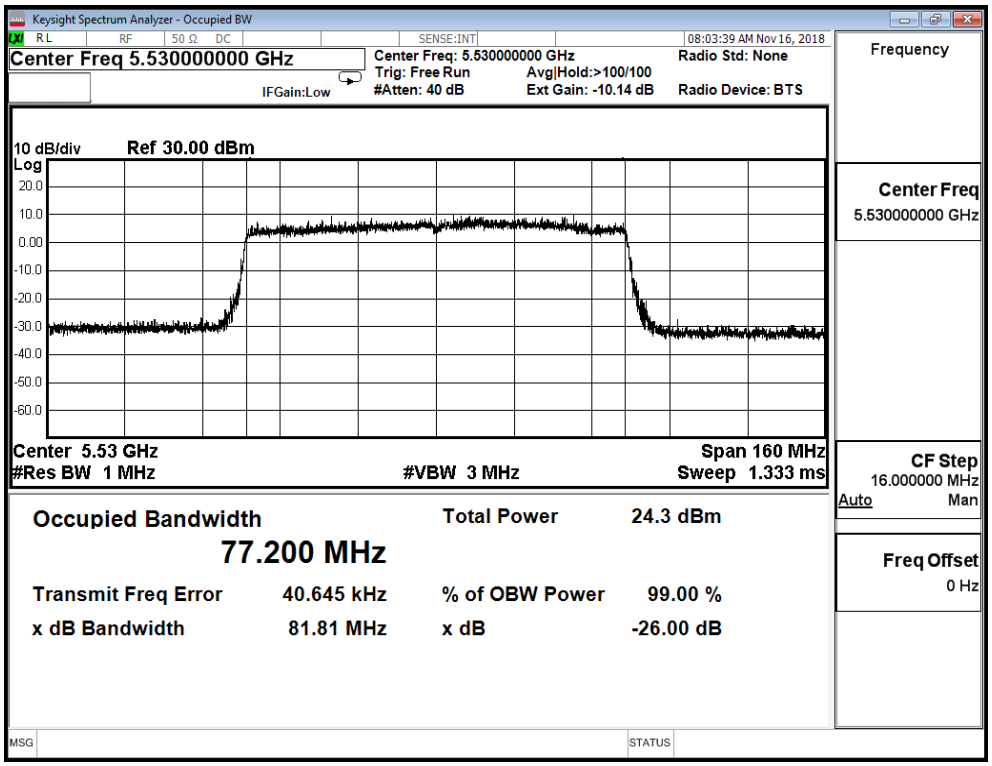

## Channel 138



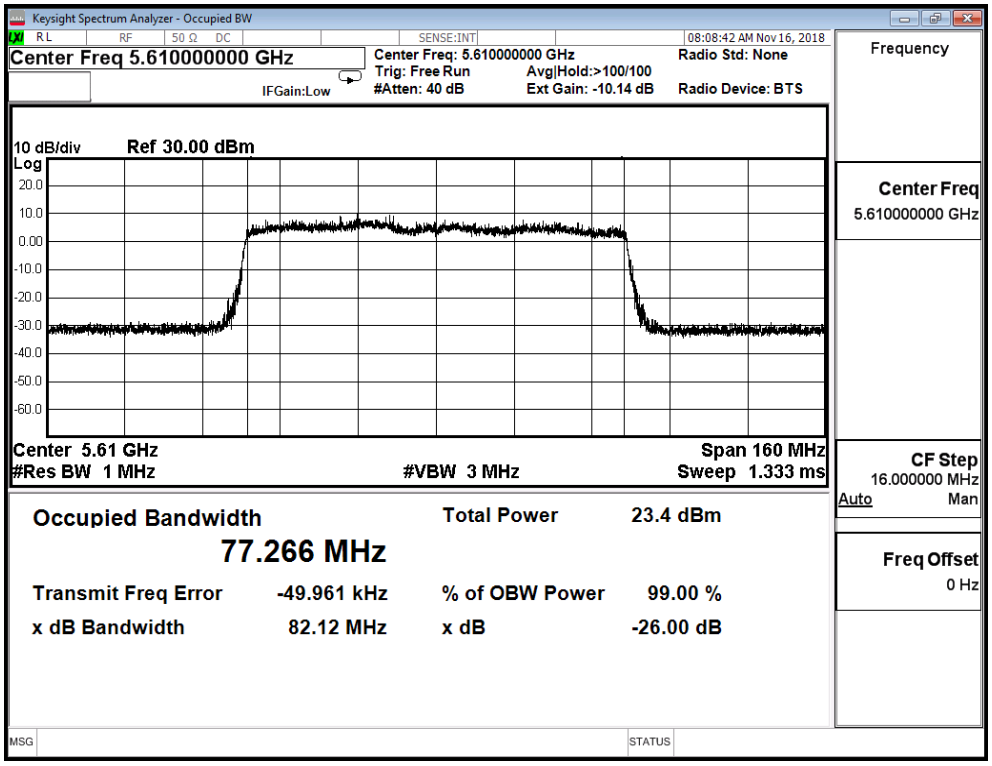
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 1) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 106 | 5530 | 77.200 | 81.810 | -- |
| 122 | 5610 | 77.266 | 82.120 | -- |
| 138(Band3) | 5690 | 73.569 | 76.210 | -- |
| 138(Band4) | 5690 | 3.569 | -- | -- |

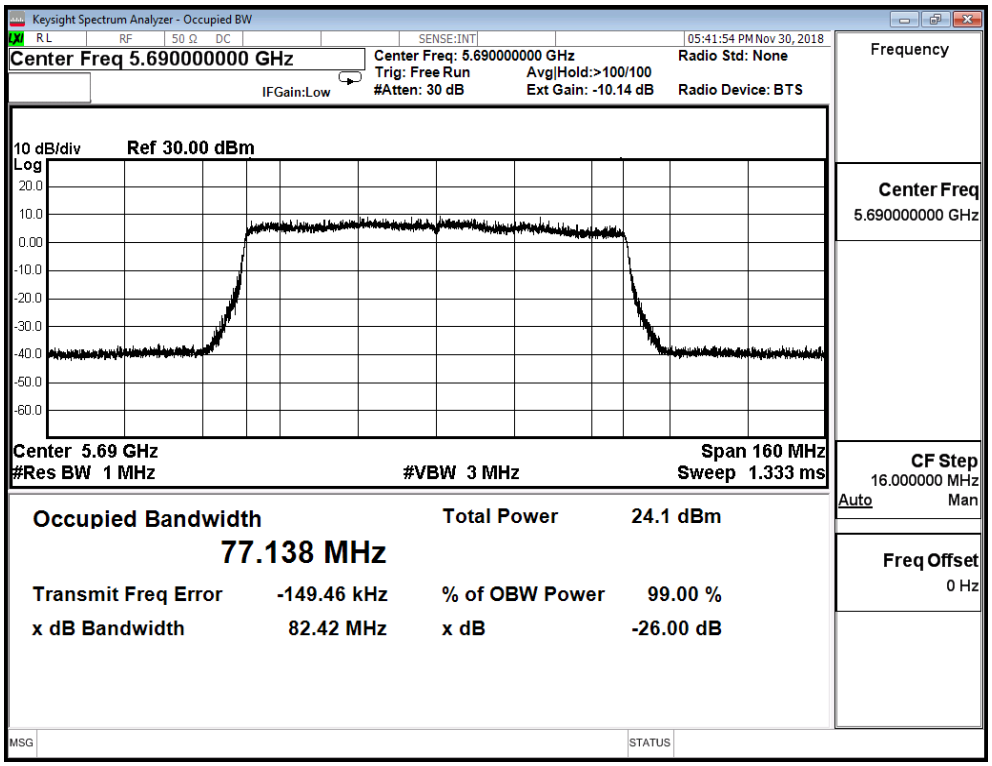
**Channel 106**



## Channel 122



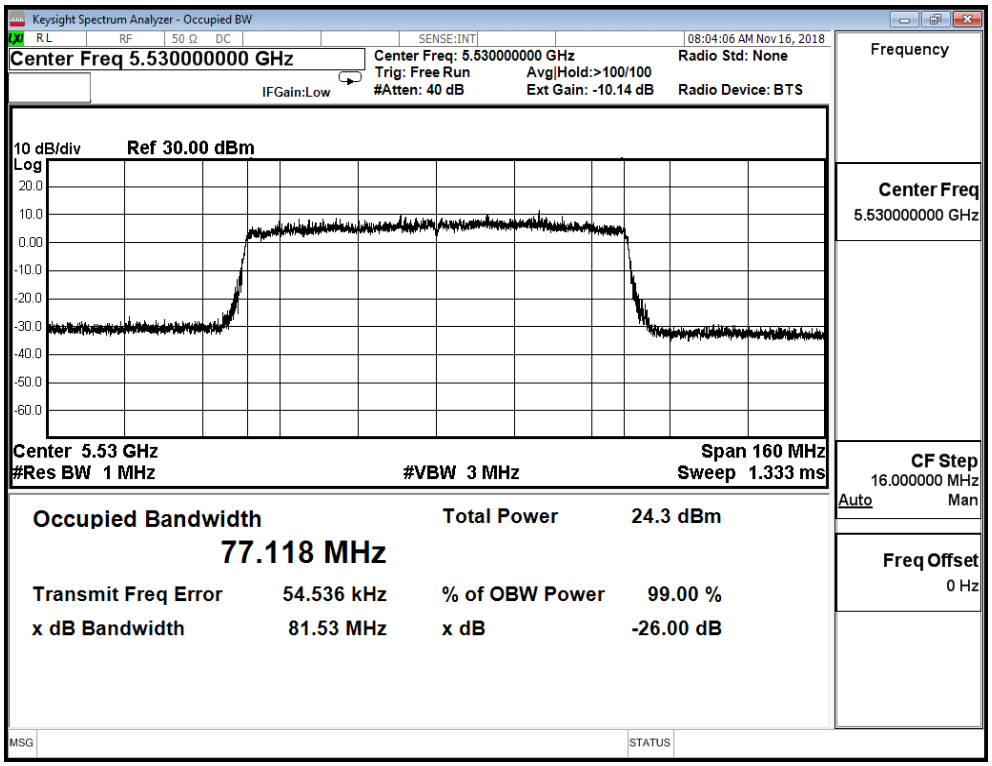

## Channel 138



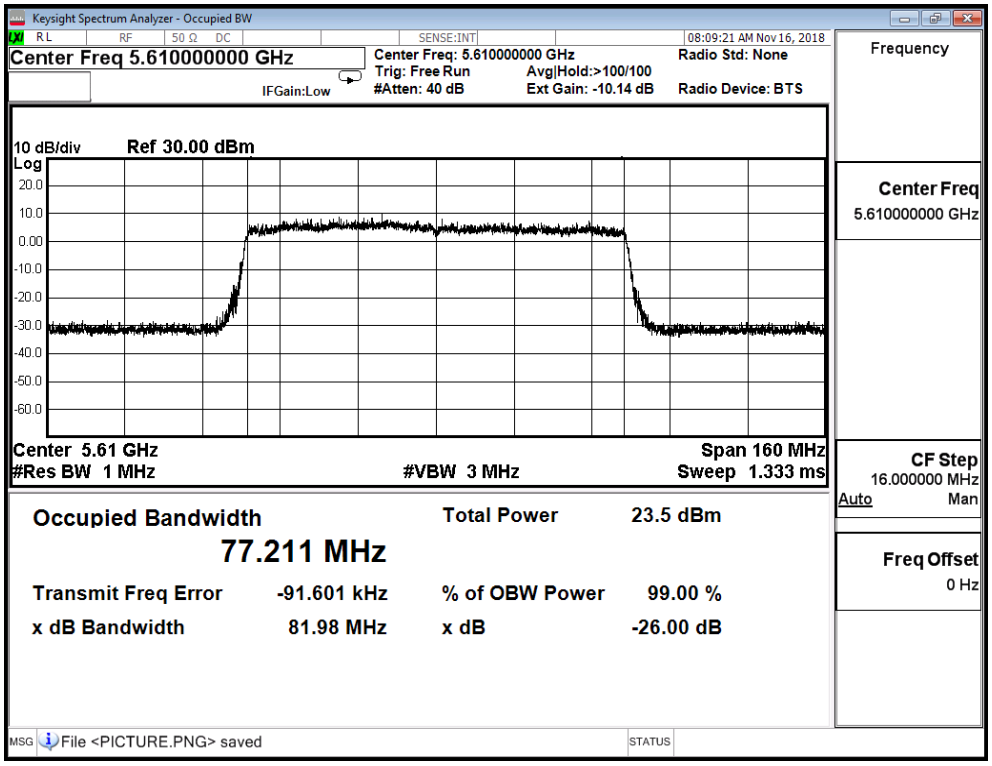
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 2) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 106 | 5530 | 77.118 | 81.530 | -- |
| 122 | 5610 | 77.211 | 81.980 | -- |
| 138(Band3) | 5690 | 73.511 | 76.020 | -- |
| 138(Band4) | 5690 | 3.511 | -- | -- |

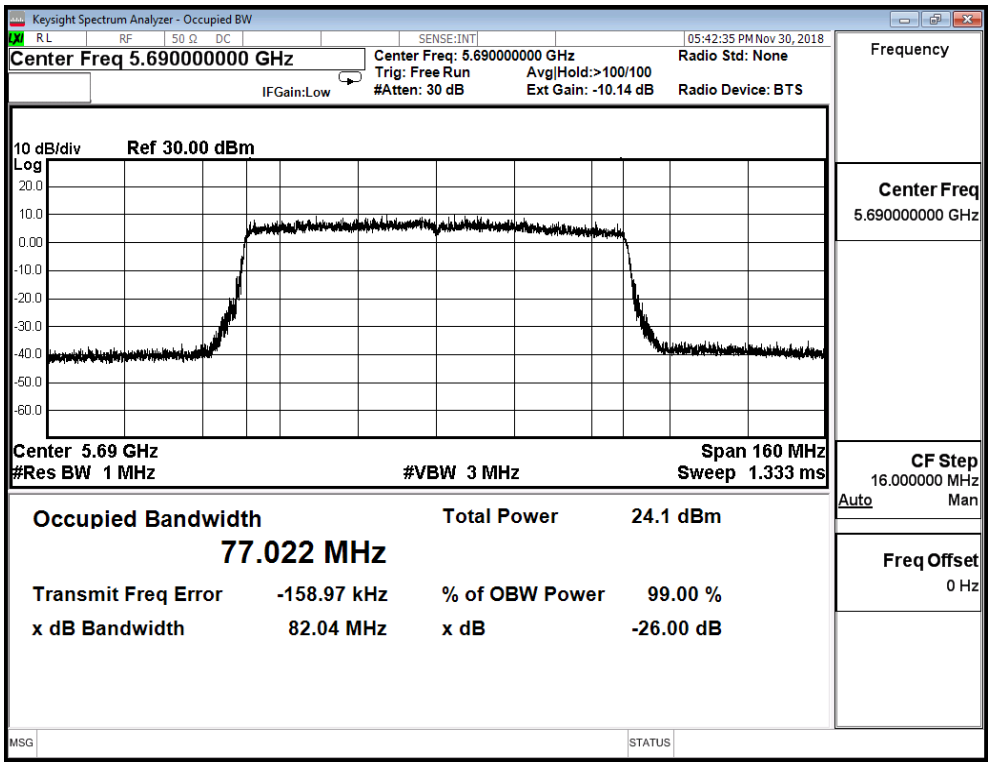
**Channel 106**



## Channel 122



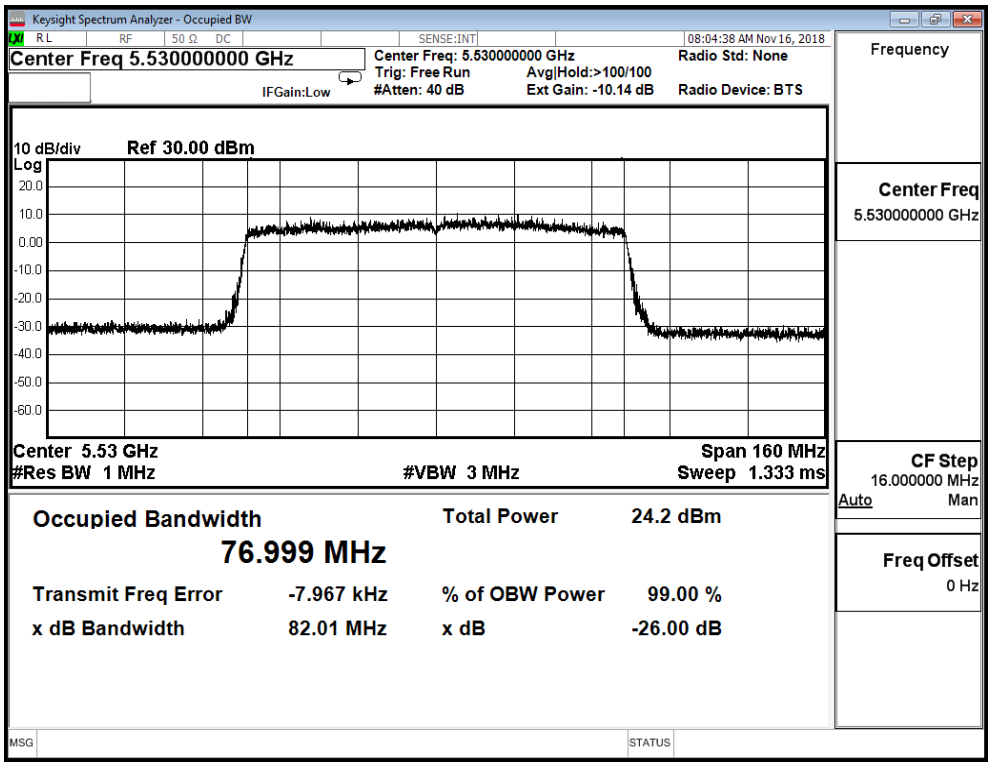

## Channel 138



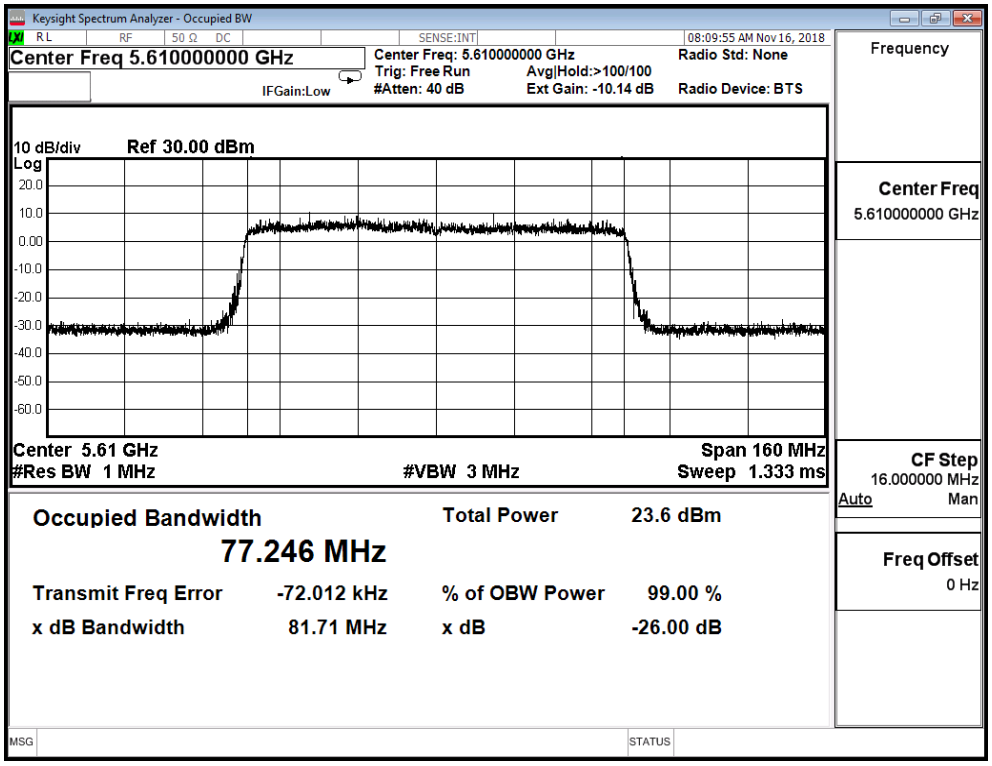
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 3) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 106 | 5530 | 76.999 | 82.010 | -- |
| 122 | 5610 | 77.246 | 81.710 | -- |
| 138(Band3) | 5690 | 73.598 | 75.835 | -- |
| 138(Band4) | 5690 | 3.598 | -- | -- |

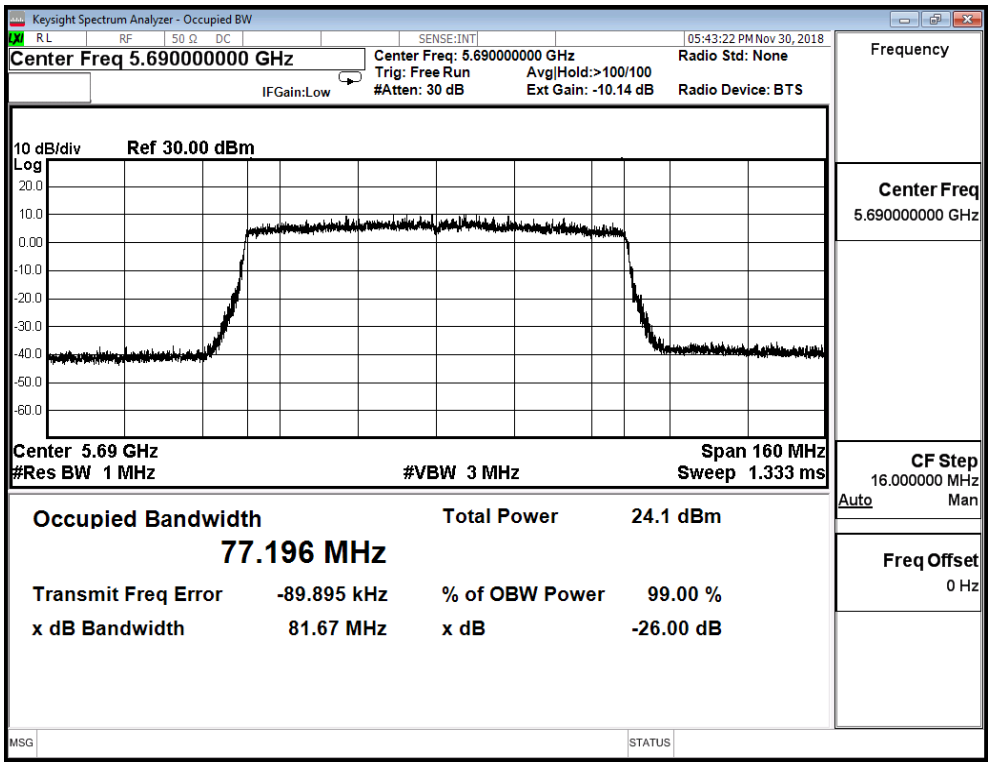
**Channel 106**



## Channel 122



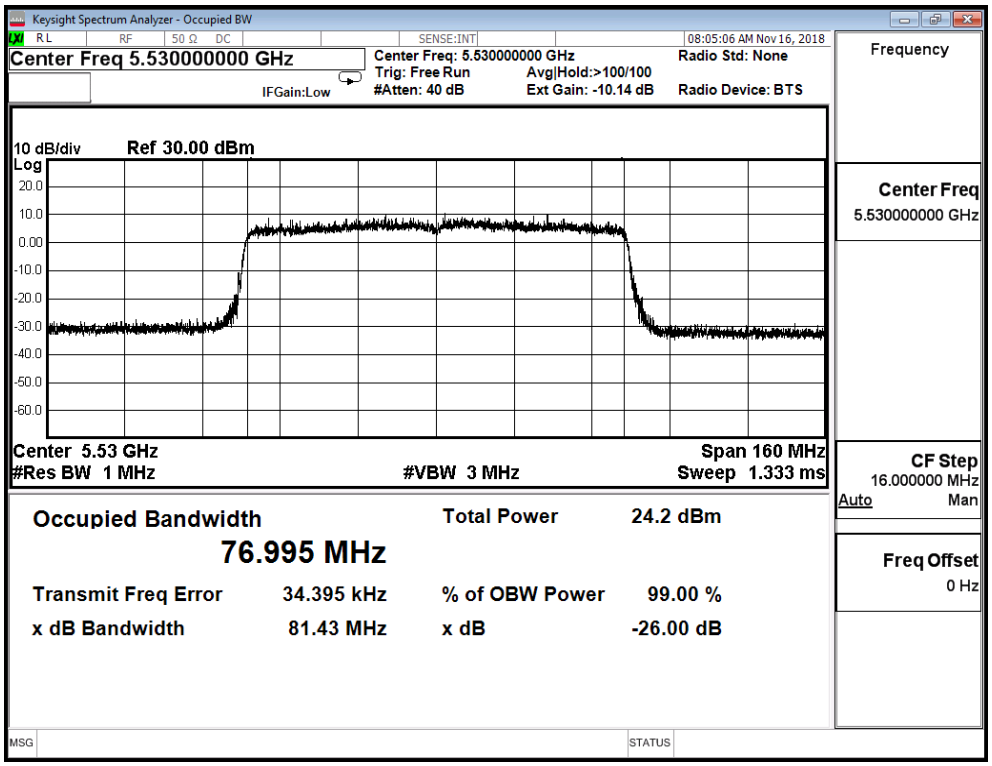

## Channel 138



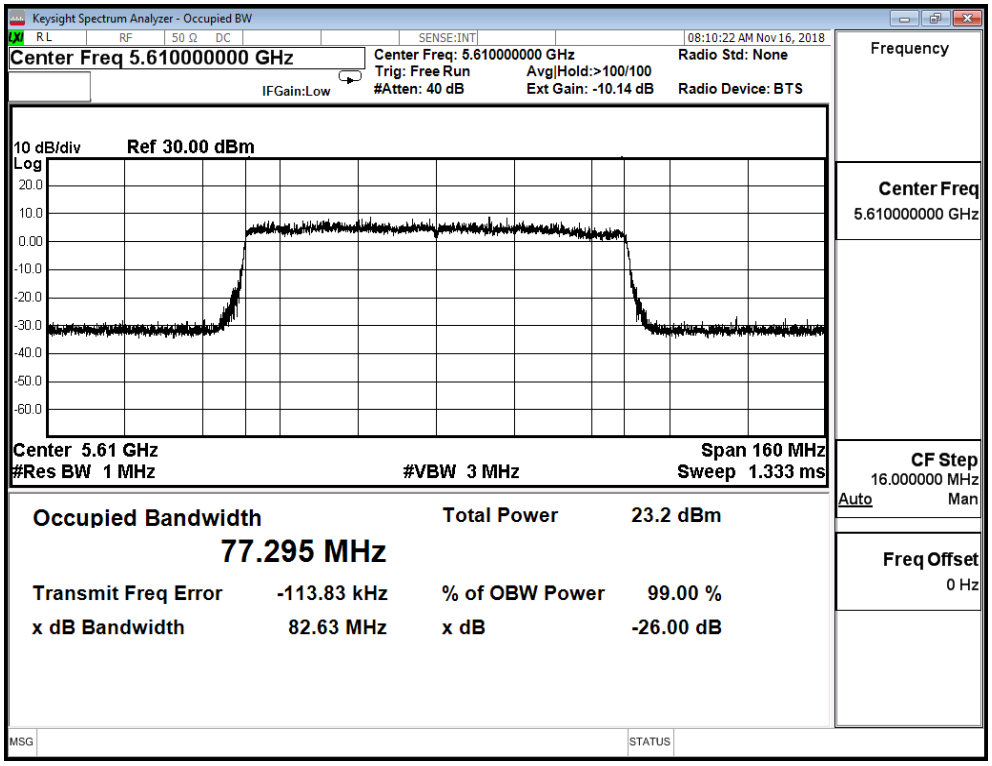
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 4) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 106 | 5530 | 76.995 | 81.430 | -- |
| 122 | 5610 | 77.295 | 82.630 | -- |
| 138(Band3) | 5690 | 73.533 | 75.920 | -- |
| 138(Band4) | 5690 | 3.533 | -- | -- |

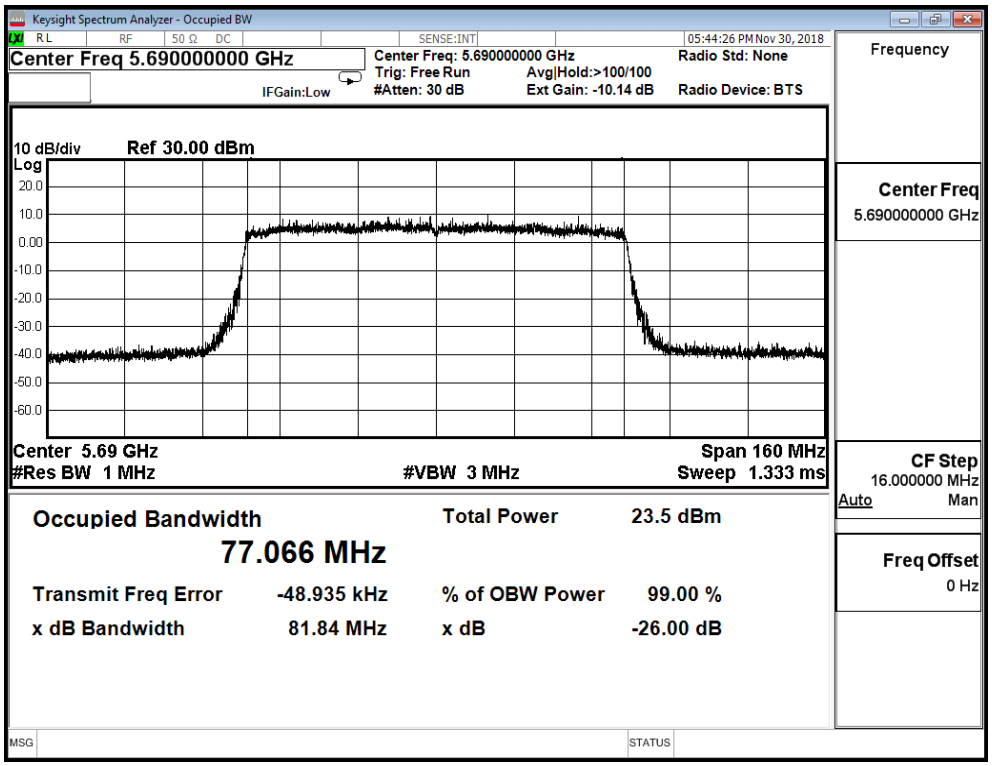
**Channel 106**



## Channel 122



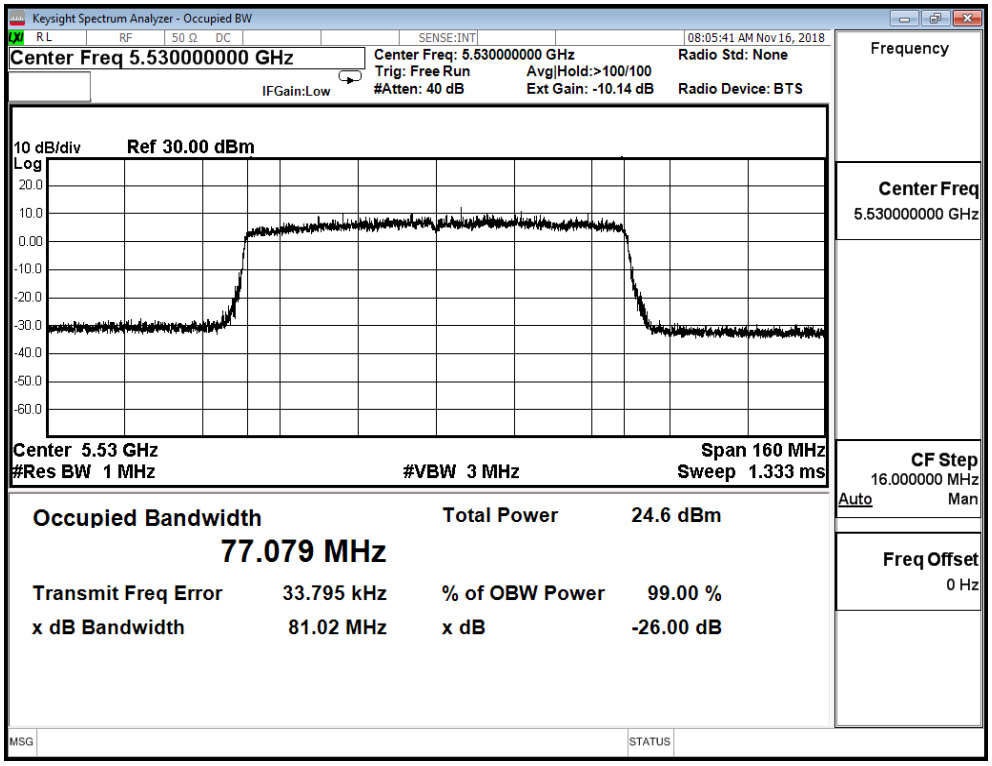

## Channel 138



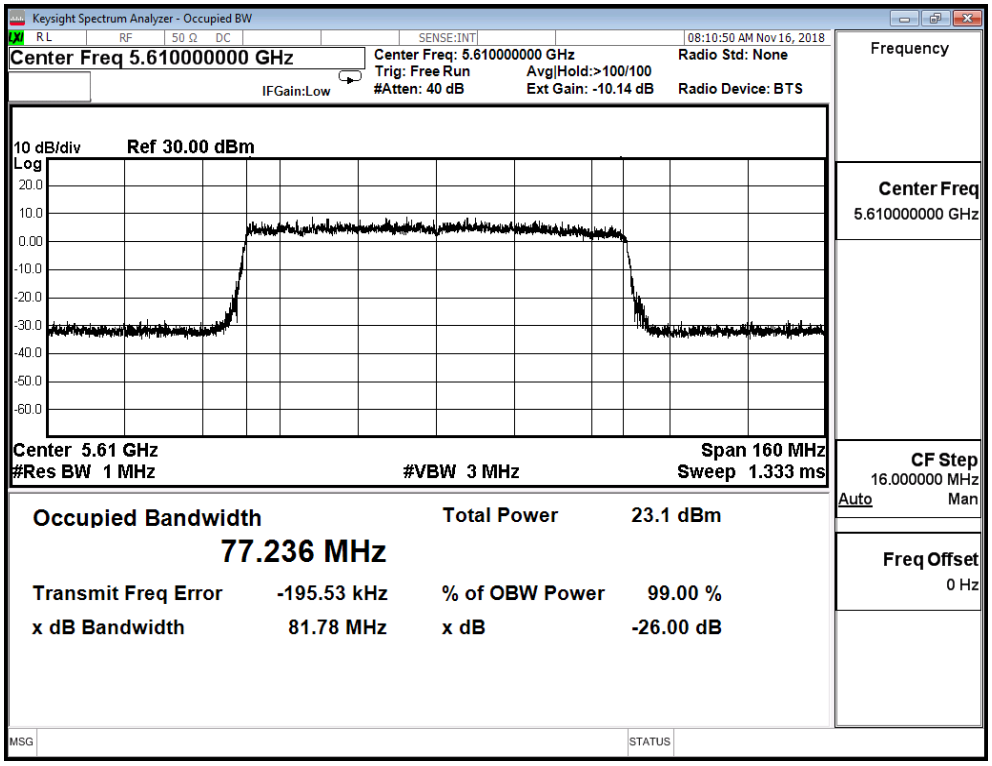
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 5) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 106 | 5530 | 77.079 | 81.020 | -- |
| 122 | 5610 | 77.236 | 81.780 | -- |
| 138(Band3) | 5690 | 73.560 | 75.725 | -- |
| 138(Band4) | 5690 | 3.560 | -- | -- |

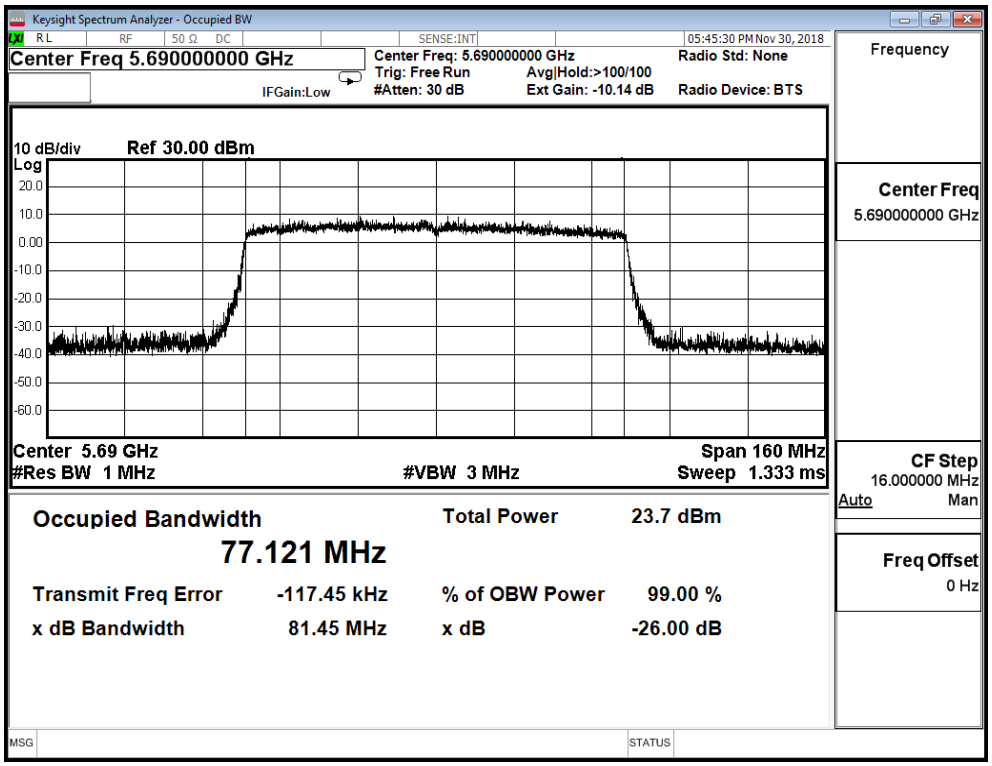
**Channel 106**



## Channel 122



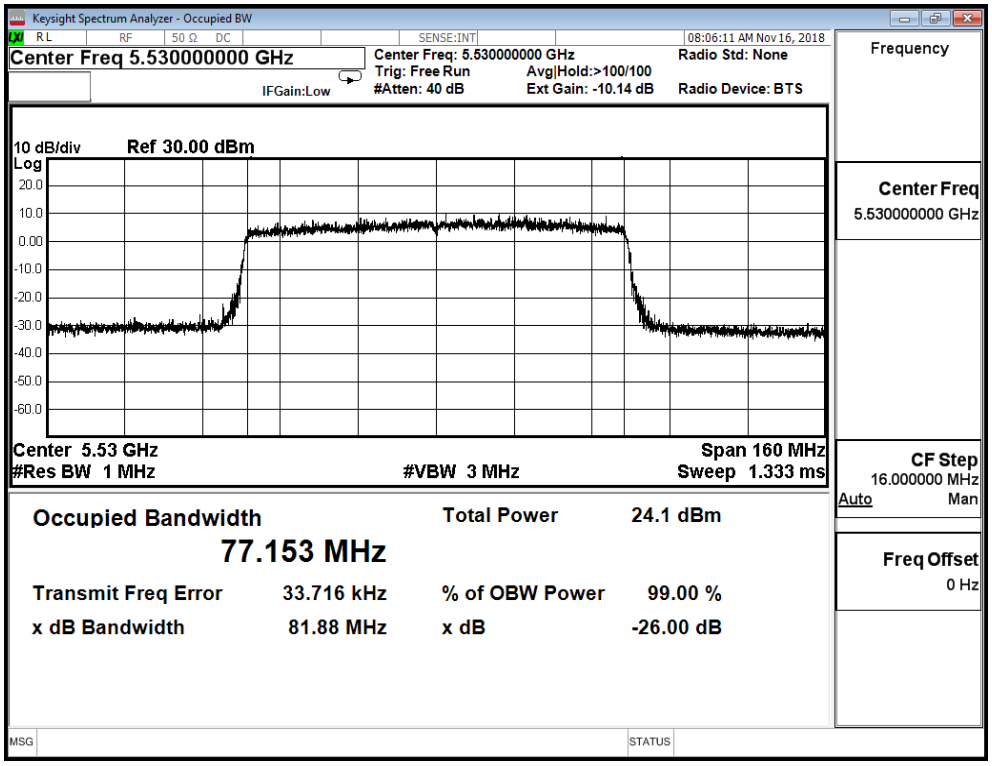

## Channel 138



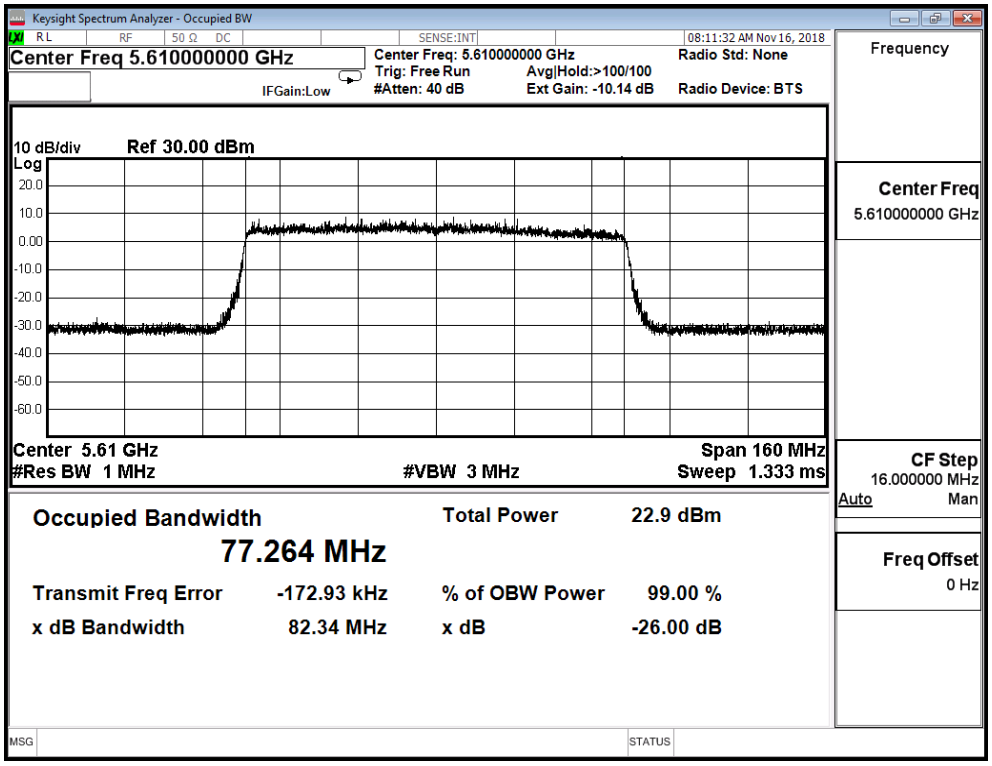
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 6) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 106 | 5530 | 77.153 | 81.880 | -- |
| 122 | 5610 | 77.264 | 82.340 | -- |
| 138(Band3) | 5690 | 73.583 | 75.970 | -- |
| 138(Band4) | 5690 | 3.583 | -- | -- |

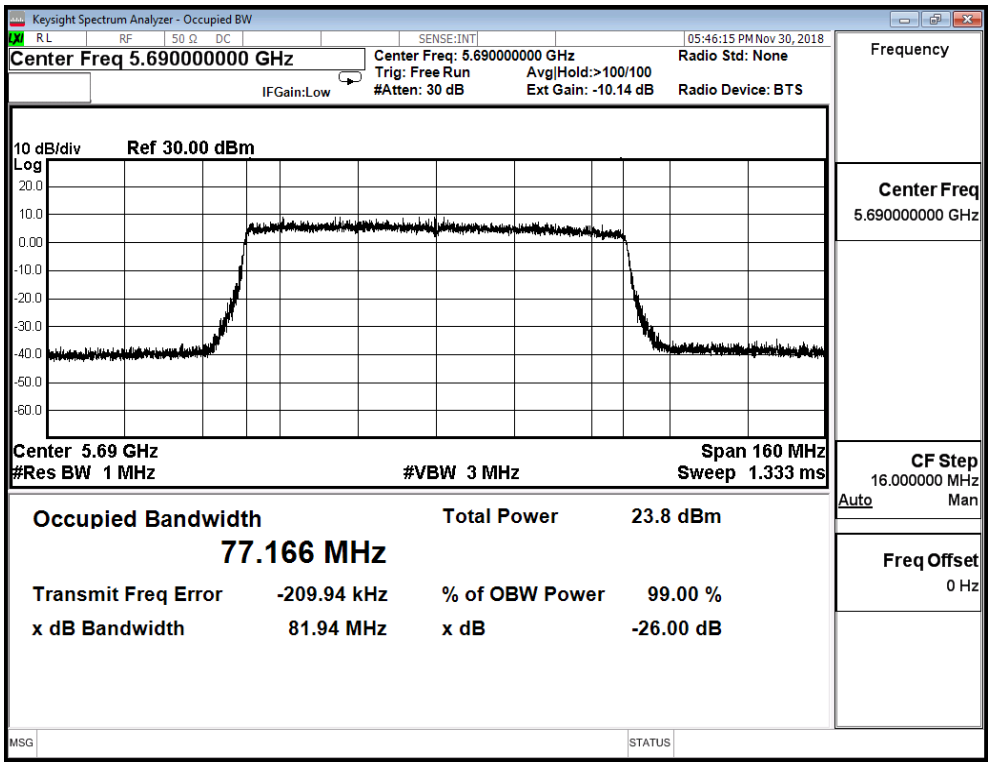
**Channel 106**



## Channel 122



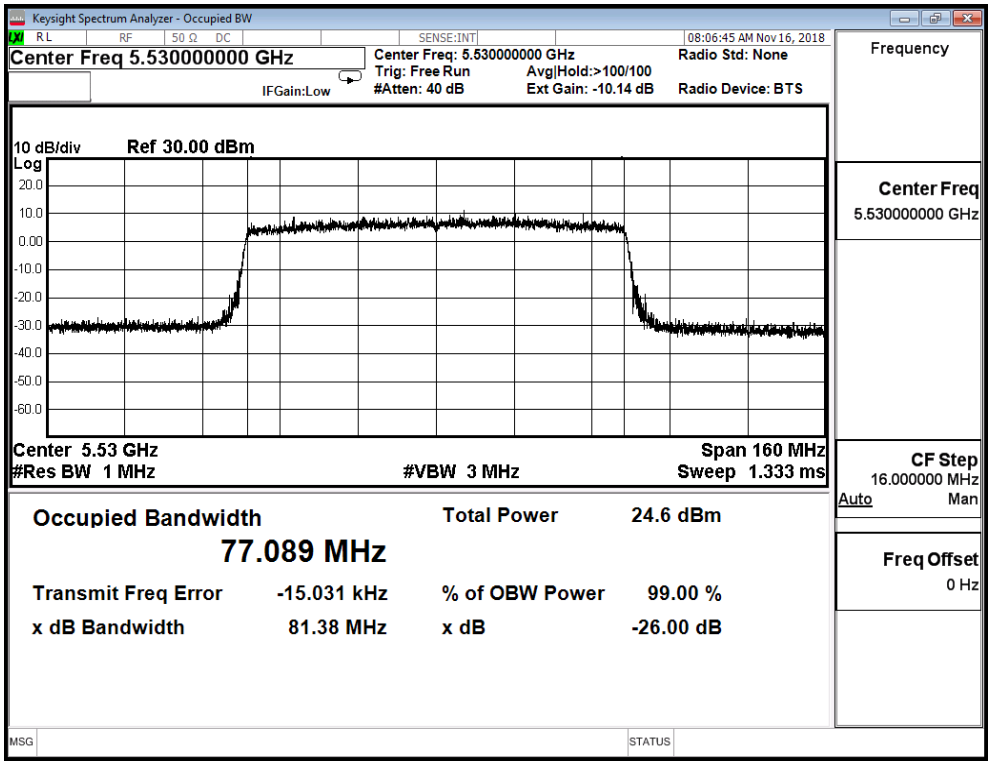

## Channel 138



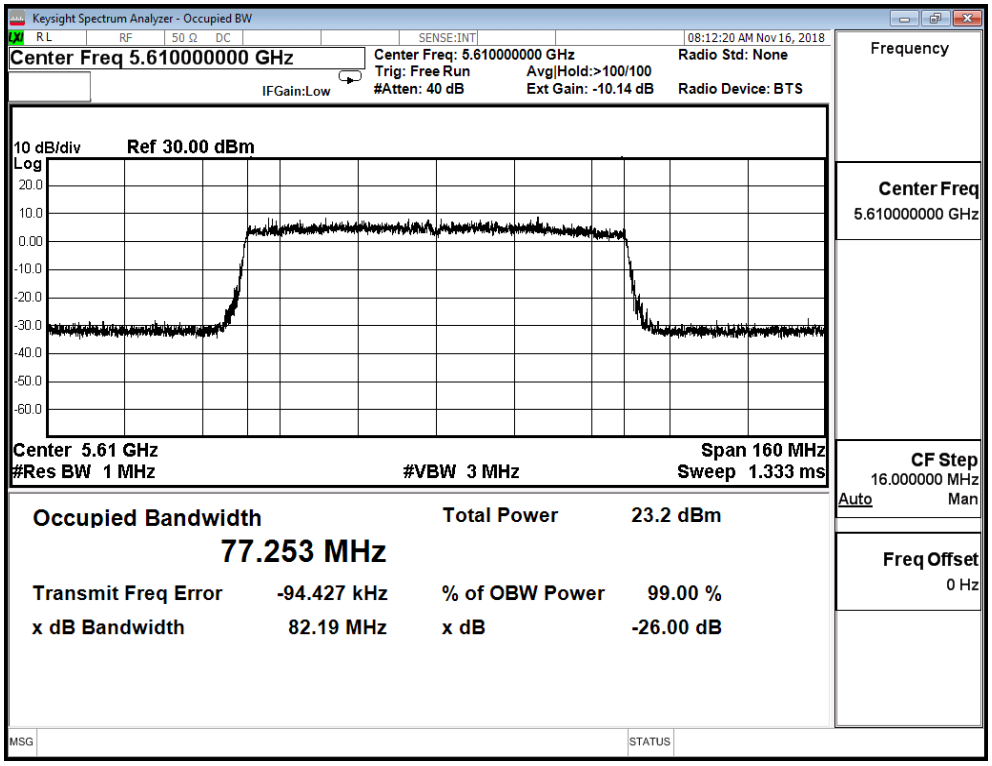
| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | 26dB & 99% Bandwidth | | |
| Test Mode | Mode 14:TX_Non Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/11/16 | Test Site | SR10-H |

| IEEE 802.11ax_80M(ANT 8) | | | | |
|---|---|---|---|---|
| Channel No. | Frequency (MHz) | 99% OCC BW Measure Value(MHz) | 26dB OCC BW Measure Value(MHz) | Limit (MHz) |
| 106 | 5530 | 77.089 | 81.380 | -- |
| 122 | 5610 | 77.253 | 82.190 | -- |
| 138(Band3) | 5690 | 73.595 | 75.890 | -- |
| 138(Band4) | 5690 | 3.595 | -- | -- |

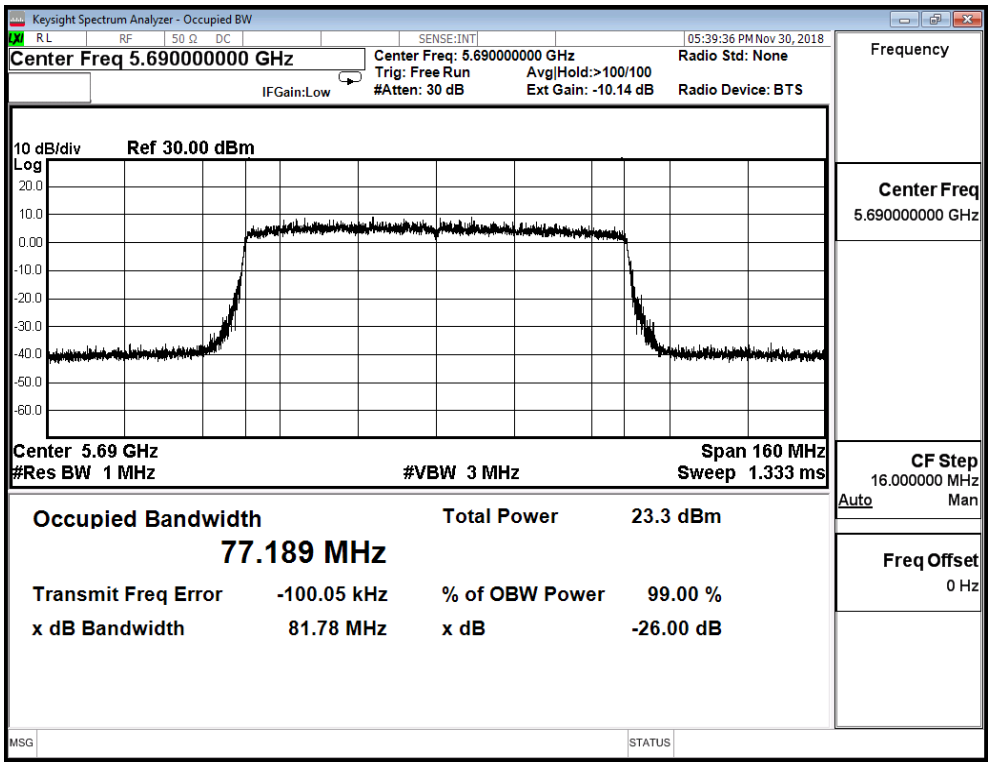
**Channel 106**



## Channel 122

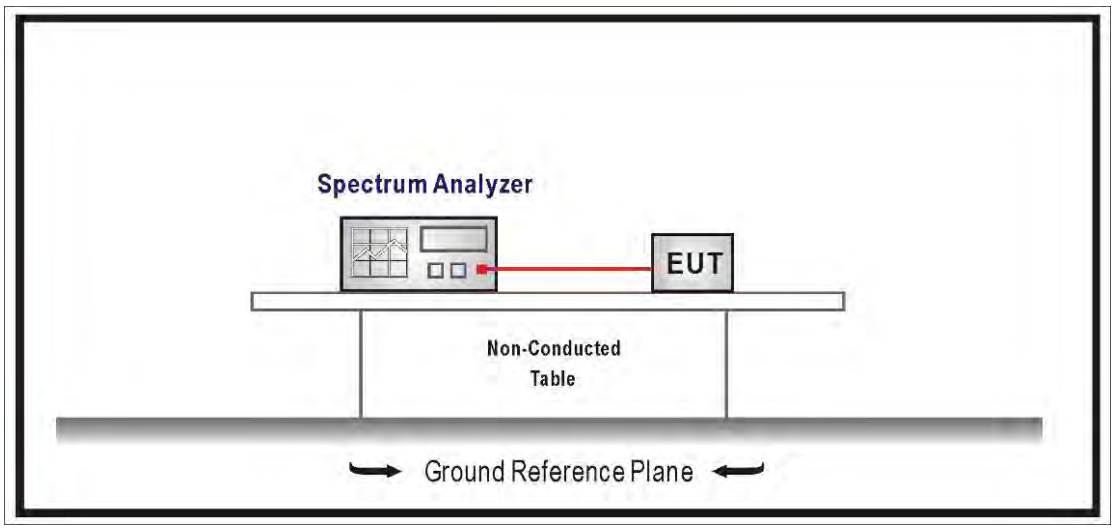



## Channel 138



# 4. Maximum conducted output power

## 4.1. Test Setup




## 4.2. Limits

1. For the band 5.15-5.25 GHz, the Maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

2. For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. The maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3. For the band 5.25-5.35 GHz, the Maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4. For the band 5.725-5.850 GHz, the Maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

## 4.3. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of 789033 D01 V01R02 for compliance to FCC 47CFR Subpart E requirements. The Method SA-1 of the Maximum conducted output power was used.
Set RBW=1MHz, VBW=3MHz with RMS detector and trace average 100 traces in power averaging mode. Set span to encompass the entire emission bandwidth (EBW) of the signal. Compute power by integrating the spectrum across the 26 dB EBW of the signal.

## 4.4. Test Result

| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

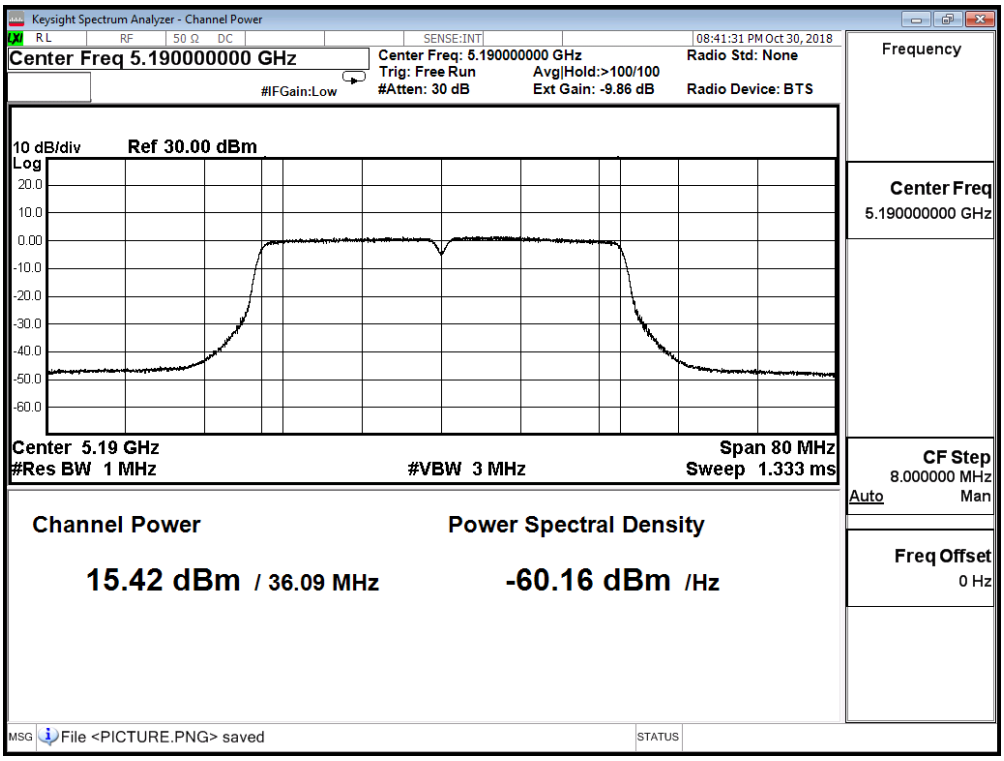
IEEE 802.11ac(40MHz)(ANT 0)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 38 | 5190 | 15.420 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 38



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

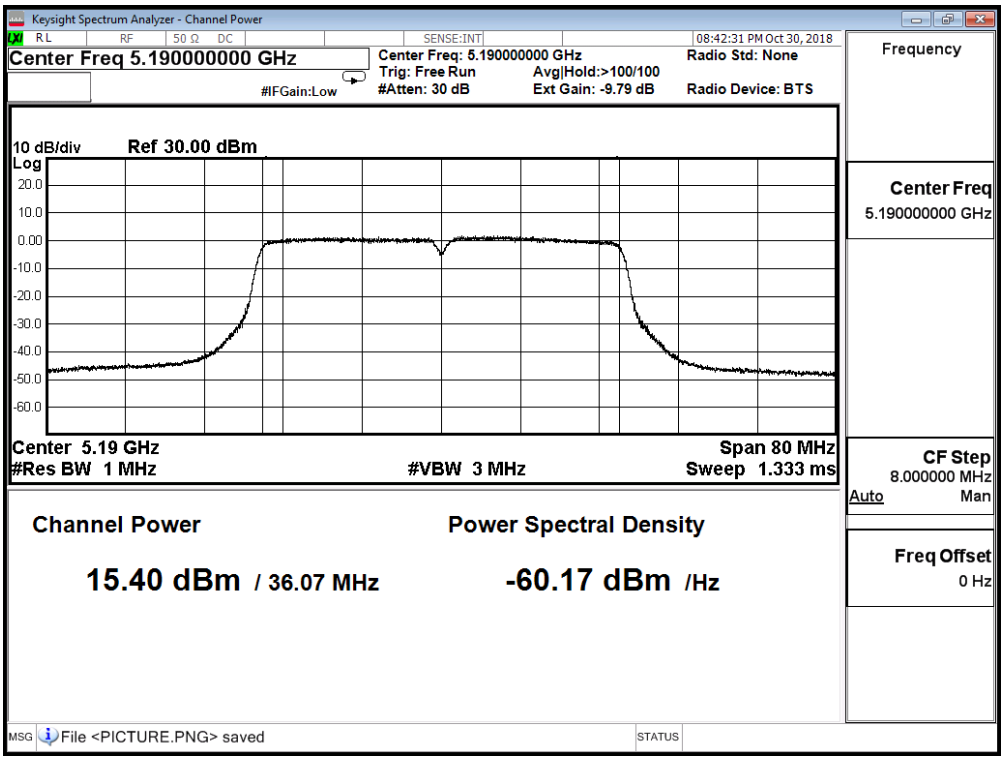
IEEE 802.11ac(40MHz)(ANT 1)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 38 | 5190 | 15.400 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 38



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

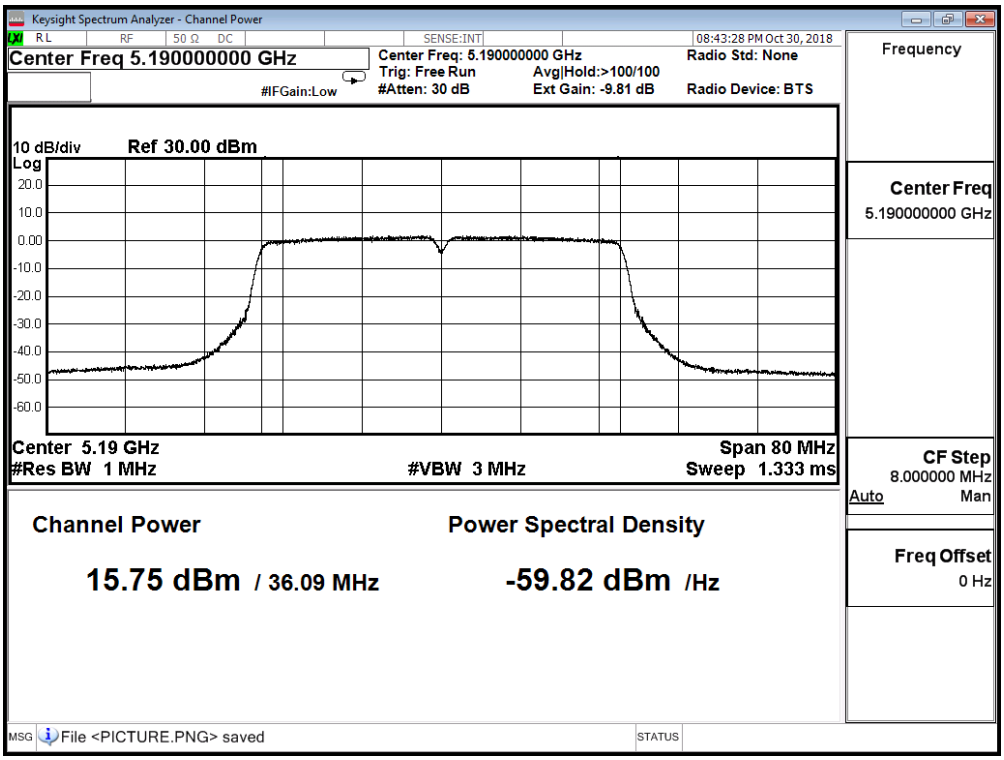
IEEE 802.11ac(40MHz)(ANT 2)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 38 | 5190 | 15.750 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 38



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

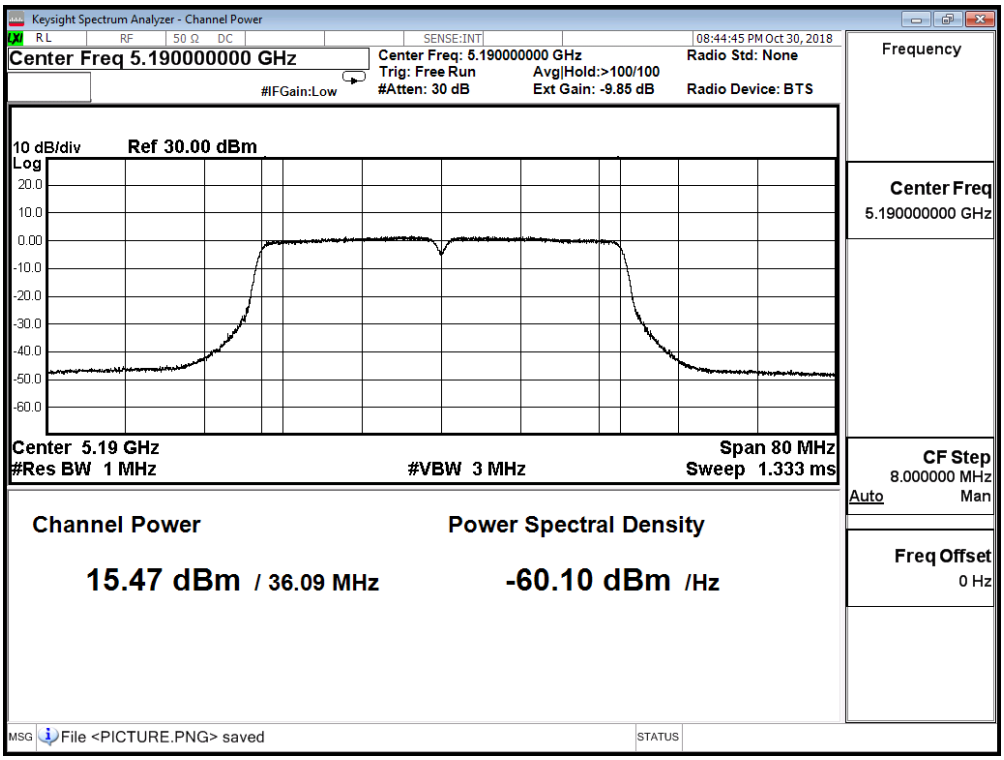
IEEE 802.11ac(40MHz)(ANT 3)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 38 | 5190 | 15.470 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 38



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

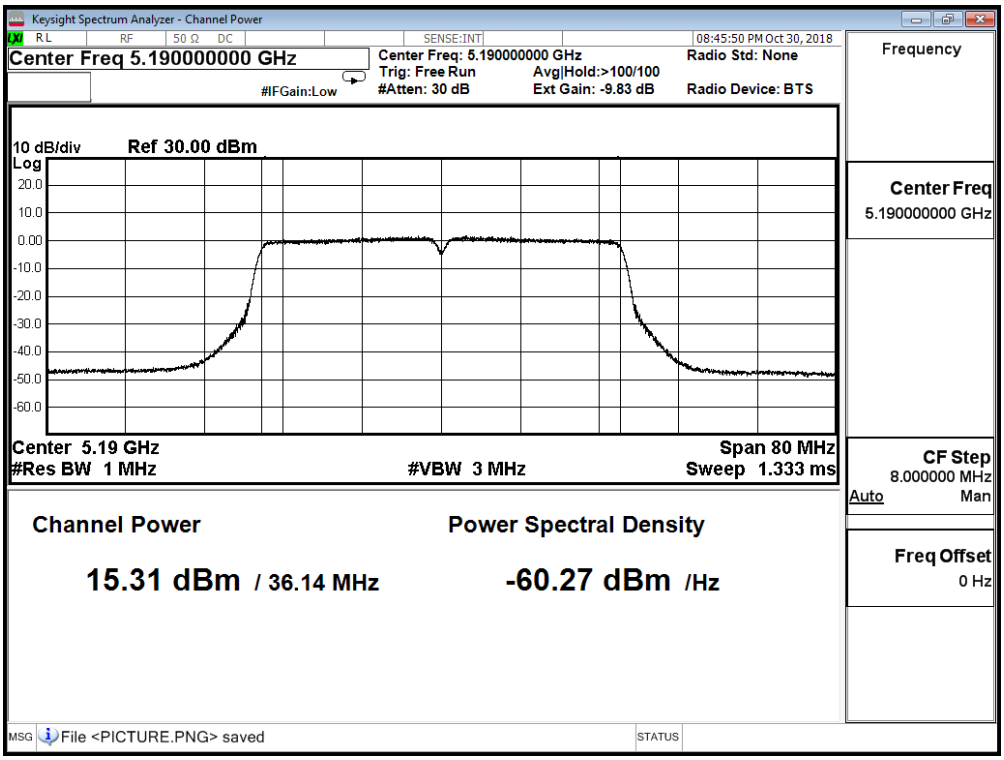
IEEE 802.11ac(40MHz)(ANT 4)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 38 | 5190 | 15.310 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 38



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

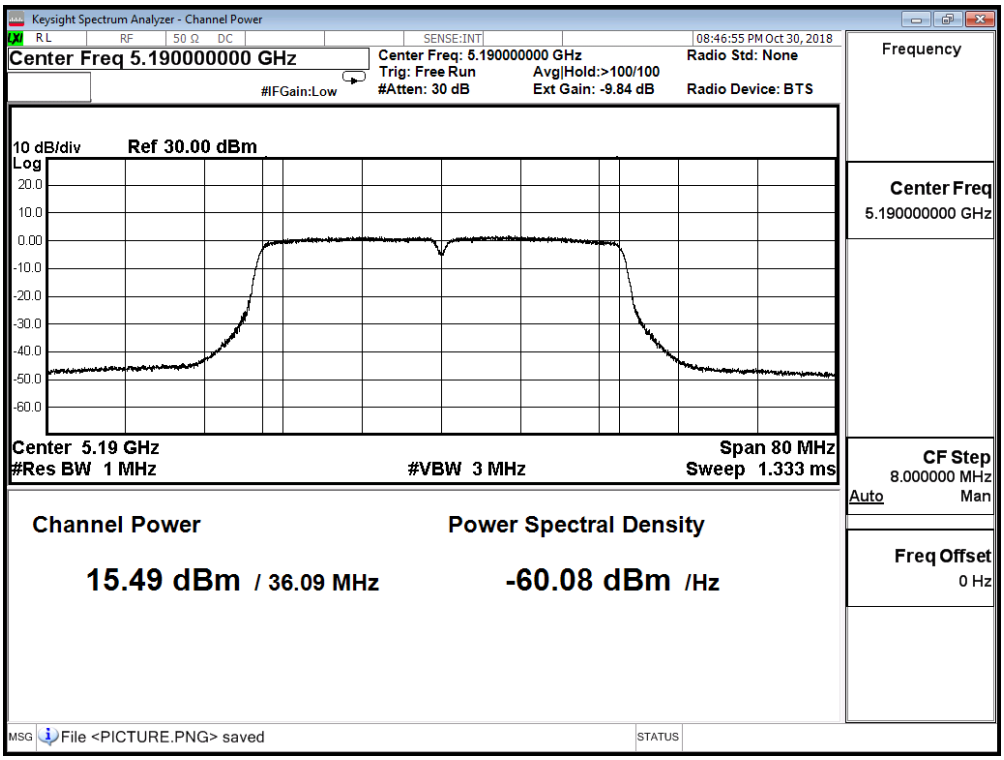
IEEE 802.11ac(40MHz)(ANT 5)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 38 | 5190 | 15.490 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 38



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

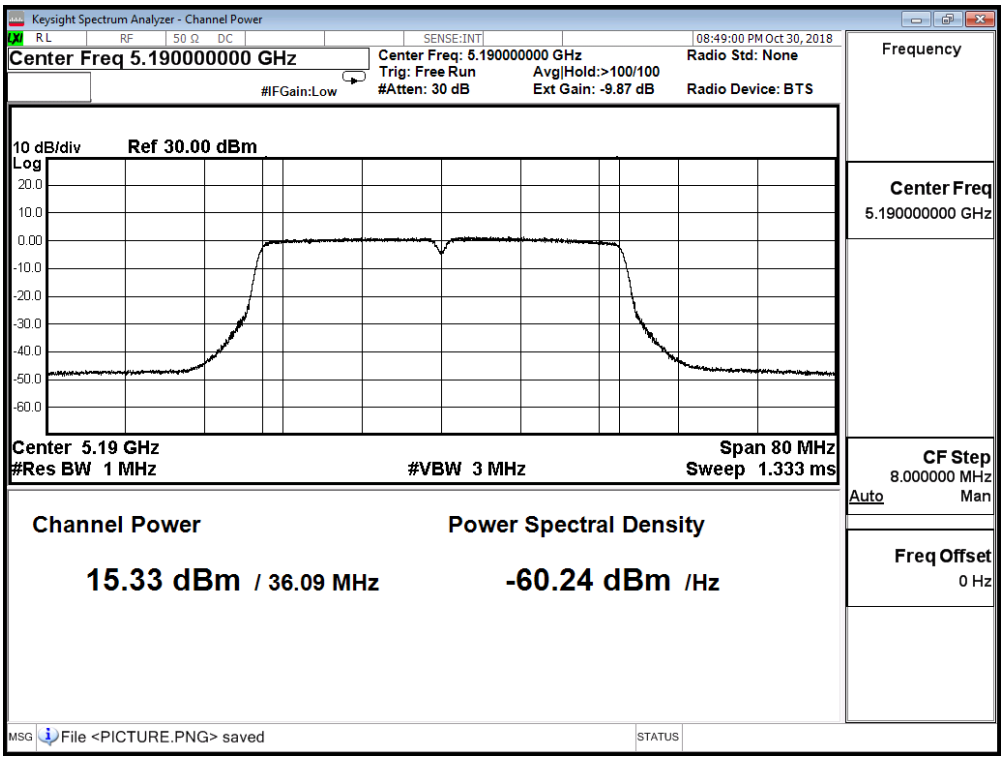
IEEE 802.11ac(40MHz)(ANT 6)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 38 | 5190 | 15.330 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 38



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

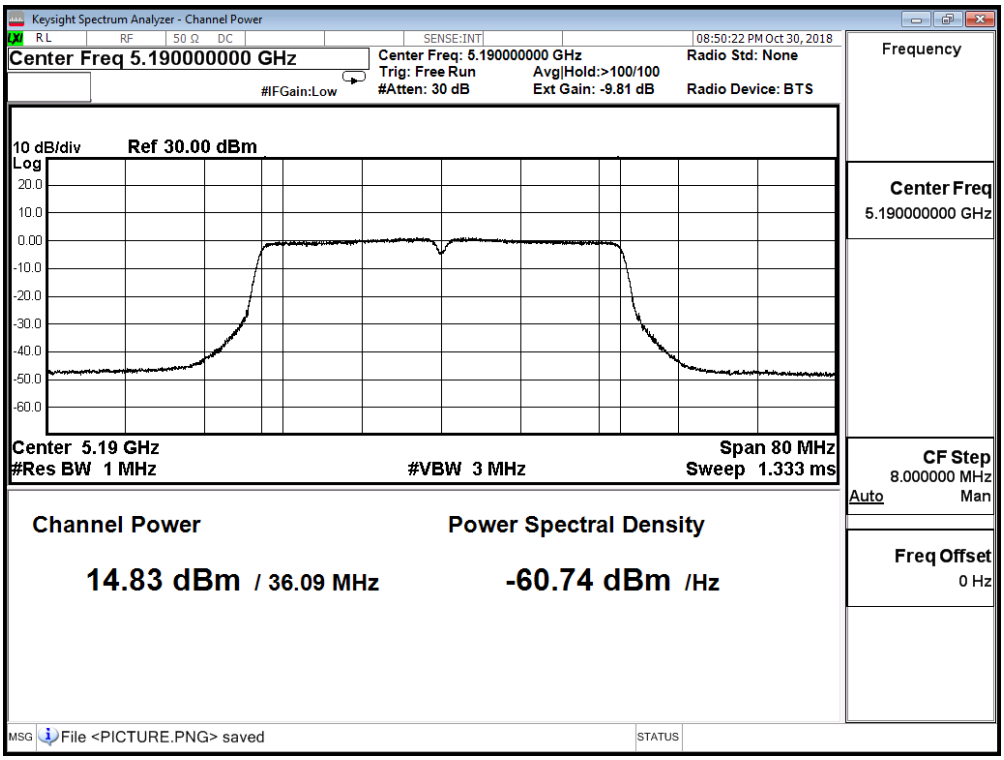
IEEE 802.11ac(40MHz)(ANT 8)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 38 | 5190 | 14.830 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 38



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

IEEE 802.11ac(40MHz)(ANT 0+1+2+3+4+5+6+8)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 38 | 5190 | 24.413 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

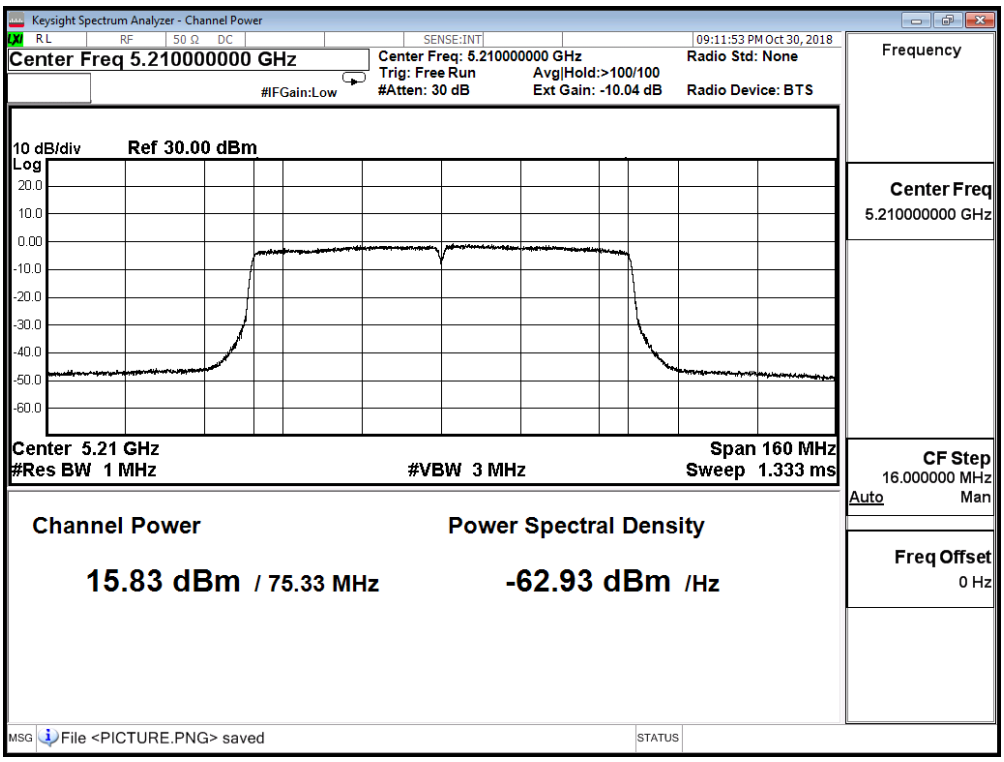
IEEE 802.11ac(80MHz)(ANT 0)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 42 | 5210 | 15.830 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 42



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

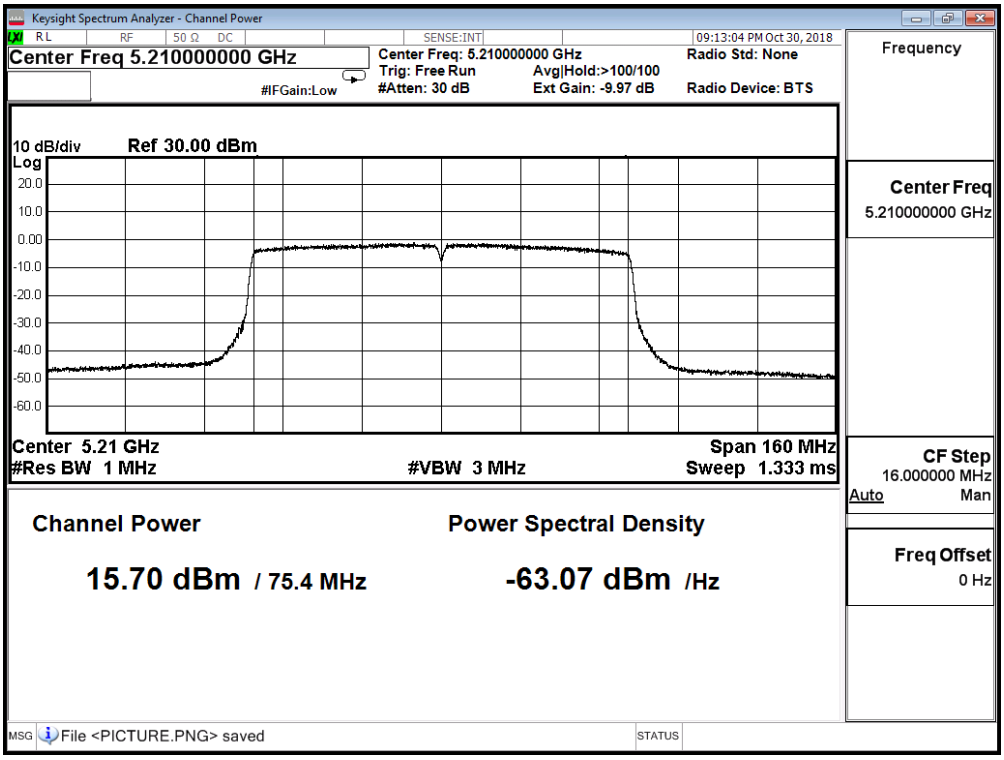
IEEE 802.11ac(80MHz)(ANT 1)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 42 | 5210 | 15.700 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 42



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

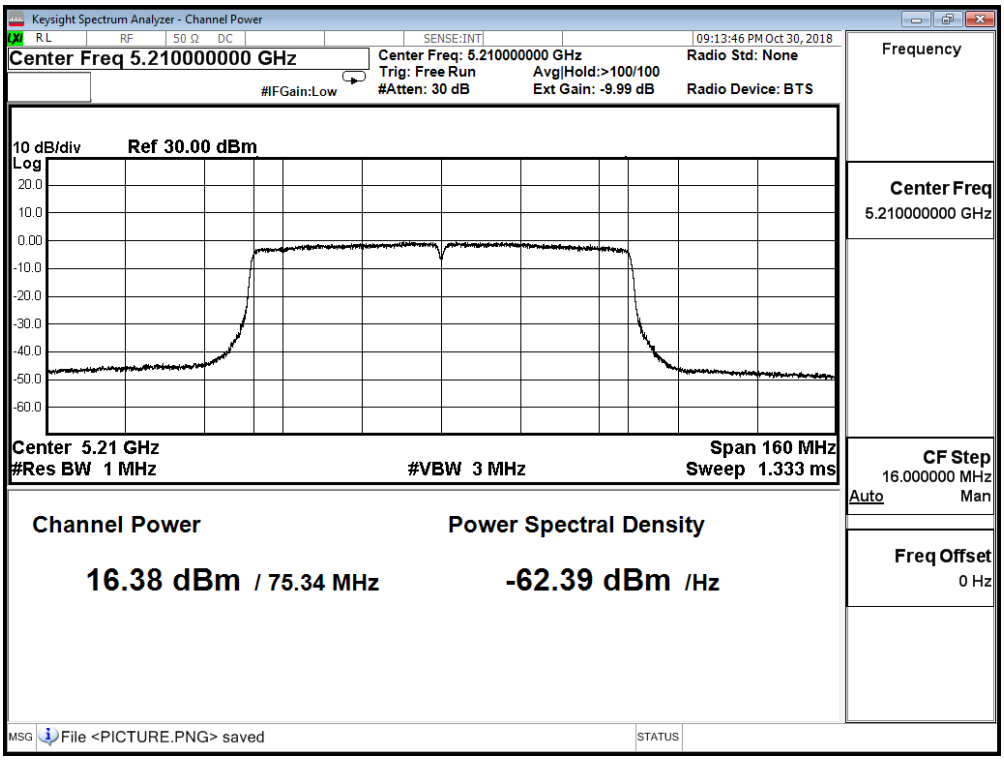
IEEE 802.11ac(80MHz)(ANT 2)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 42 | 5210 | 16.380 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 42



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

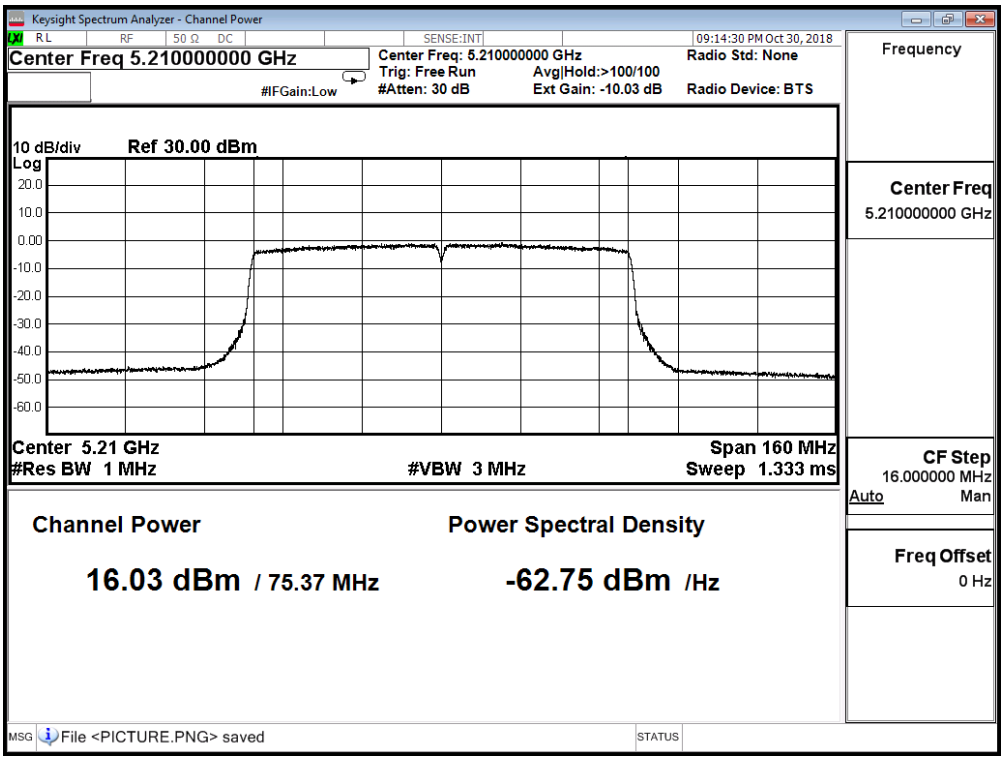
IEEE 802.11ac(80MHz)(ANT 3)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 42 | 5210 | 16.030 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 42



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

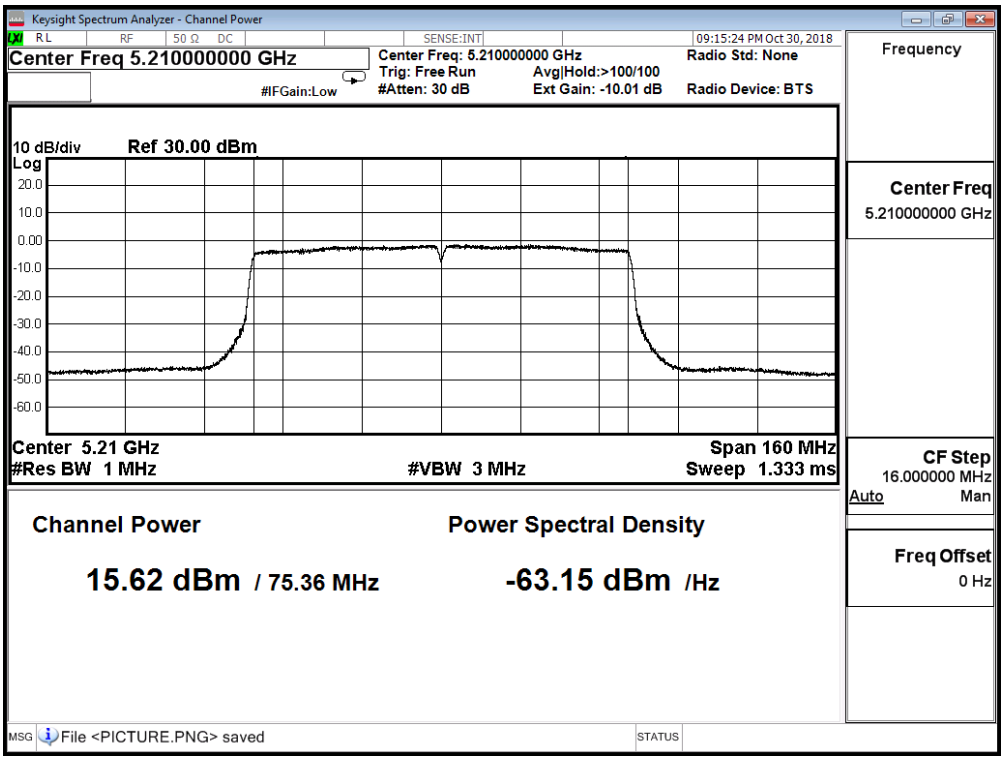
IEEE 802.11ac(80MHz)(ANT 4)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 42 | 5210 | 15.620 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 42



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

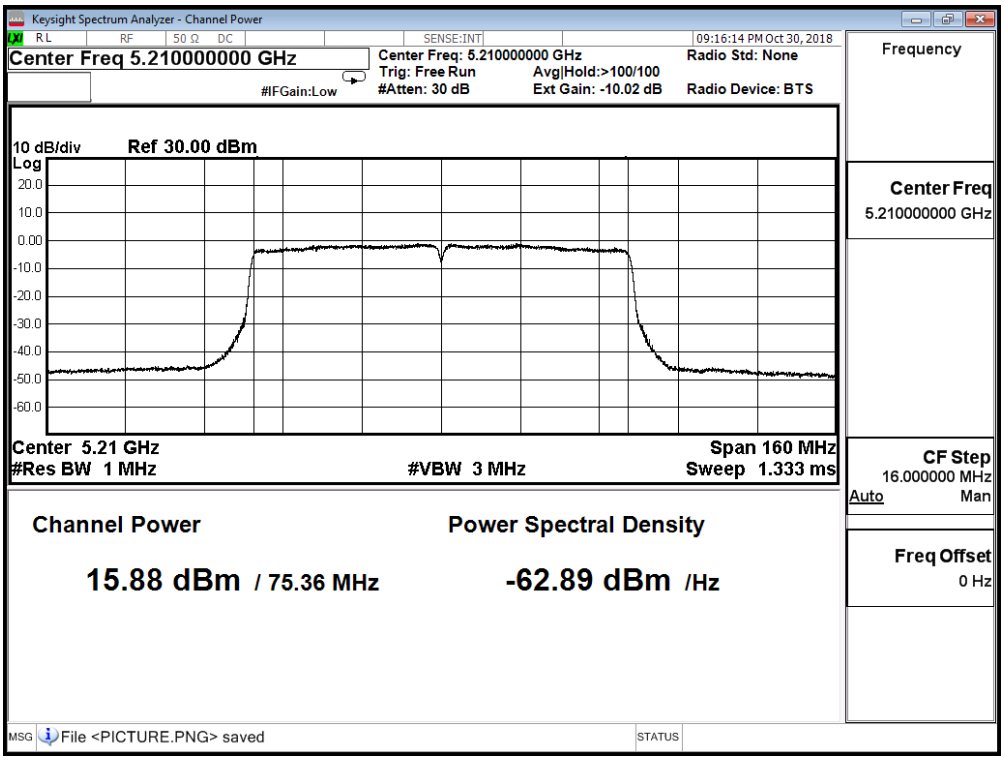
IEEE 802.11ac(80MHz)(ANT 5)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 42 | 5210 | 15.880 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 42



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

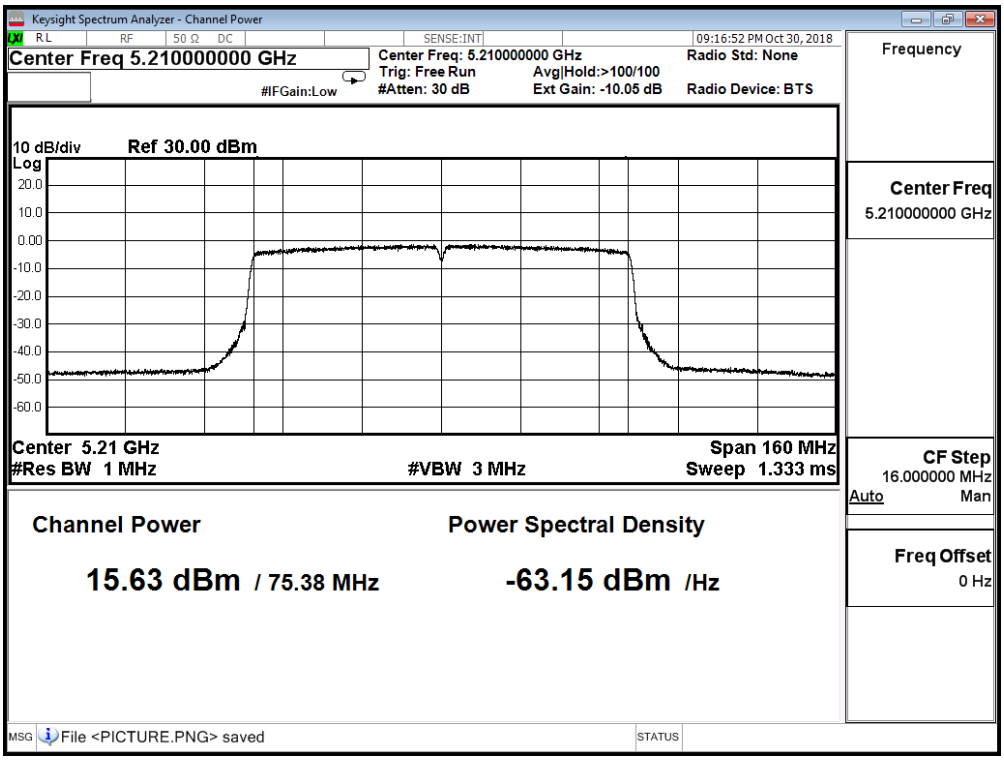
IEEE 802.11ac(80MHz)(ANT 6)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 42 | 5210 | 15.630 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 42



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

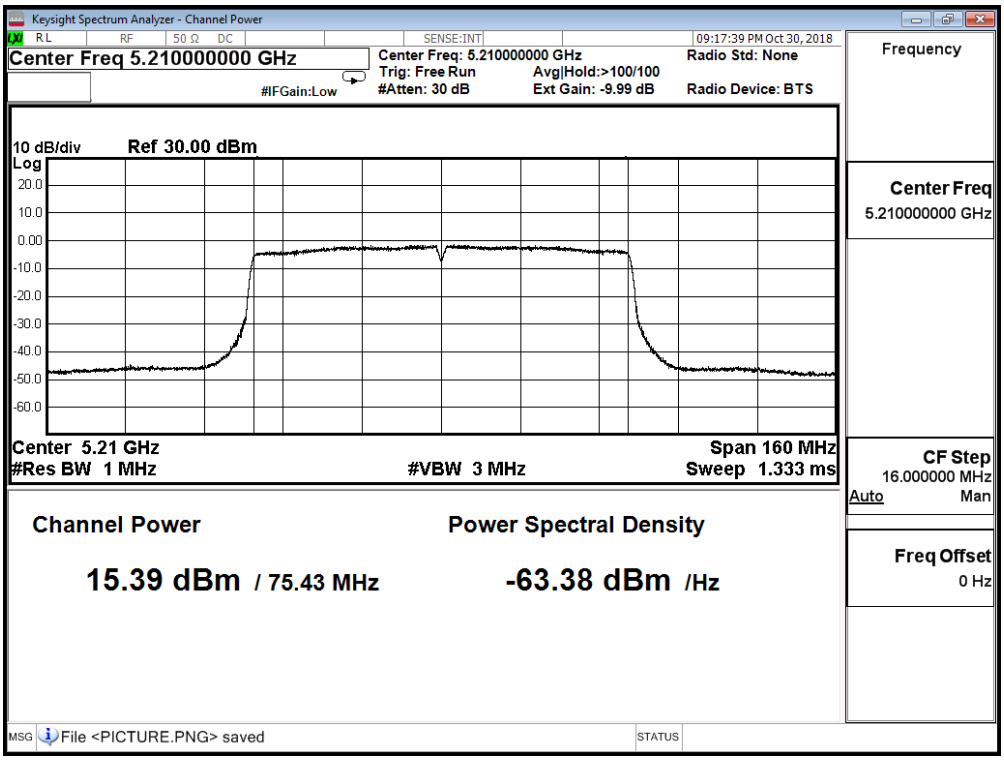
IEEE 802.11ac(80MHz)(ANT 8)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 42 | 5210 | 15.390 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85

Channel 42



| | | | |
|---|---|---|---|
| Product | ROG Rapture GT-AX6000 Dual-band Gaming Router/<br>ROG Rapture GT-AC5400 Dual-band Gaming Router | | |
| Test Item | Maximum conducted output power | | |
| Test Mode | Mode 1:TX_Beamforming_NSS1_ADP-65DW Y | | |
| Date of Test | 2018/10/30 | Test Site | SR10-H |

IEEE 802.11ac(80MHz)(ANT 0+1+2+3+4+5+6+8)

| Channel No. | Frequency (MHz) | Output Power (dBm) | Required Limit (dBm) |
|---|---|---|---|
| 42 | 5210 | 24.848 | ≦24.850 |

Directional gain = 2.7+10log(7) =11.15

Limit = 30dBm-(11.15-6)= 24.85