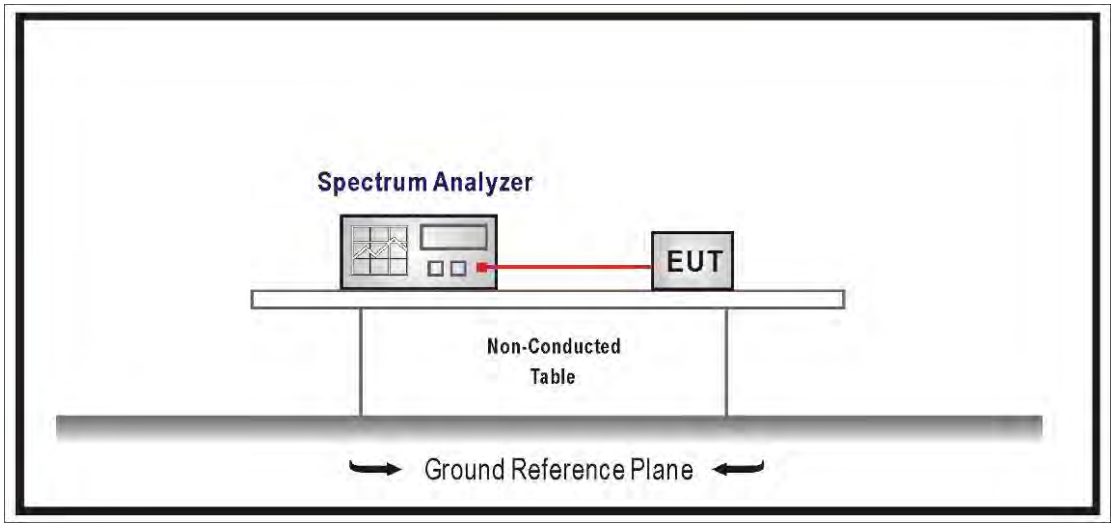
4. Maximum conducted output power

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		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

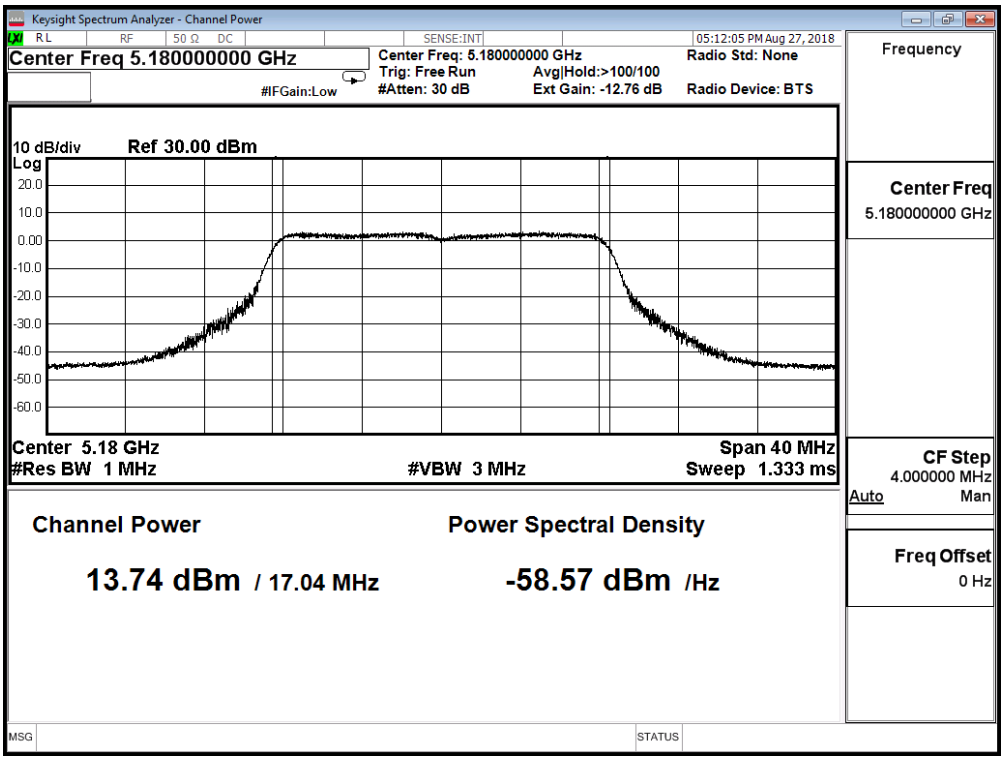
IEEE 802.11a (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	13.740	≦30
44	5220	14.460	≦30
48	5240	14.430	≦30

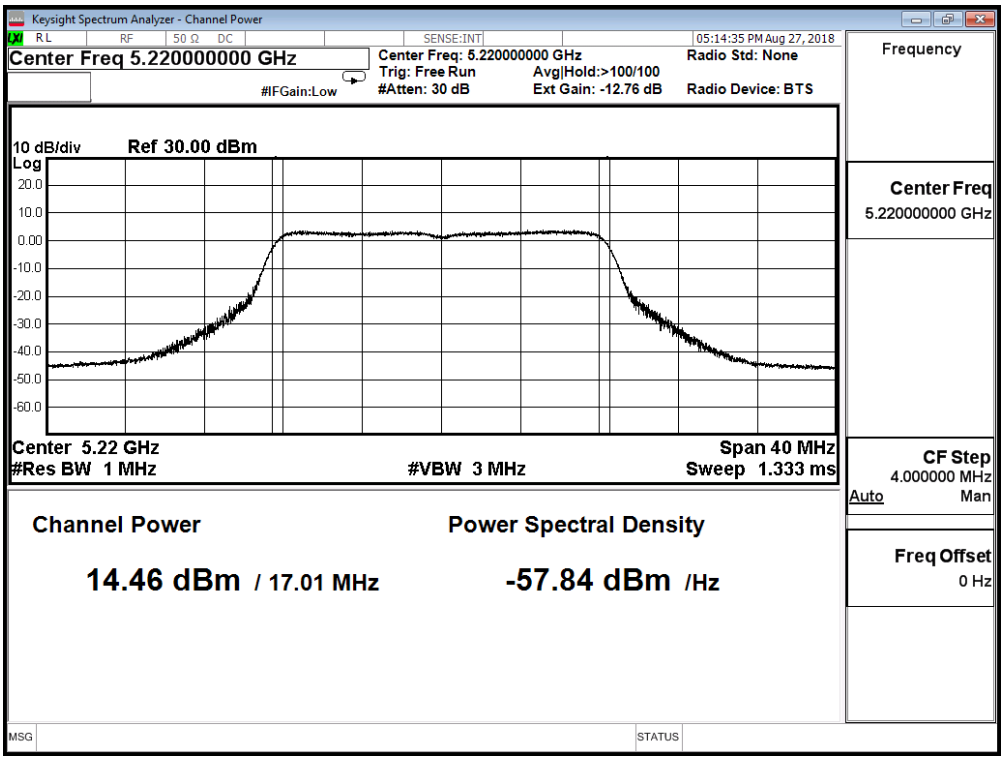
The worst emission of data rate is 6 Mbps.

Maximum conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	13.740	--	--	--	--	--	--	≦30
44	5220	14.460	14.320	14.170	14.040	13.900	13.760	13.630	
48	5240	14.430	--	--	--	--	--	--	

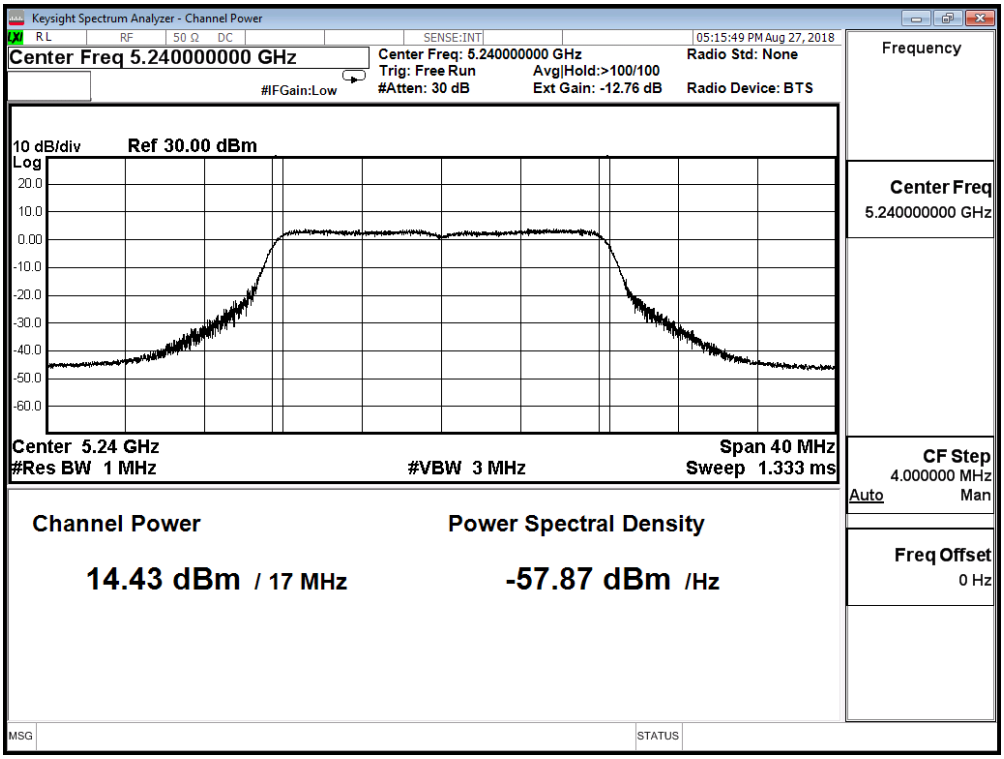
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

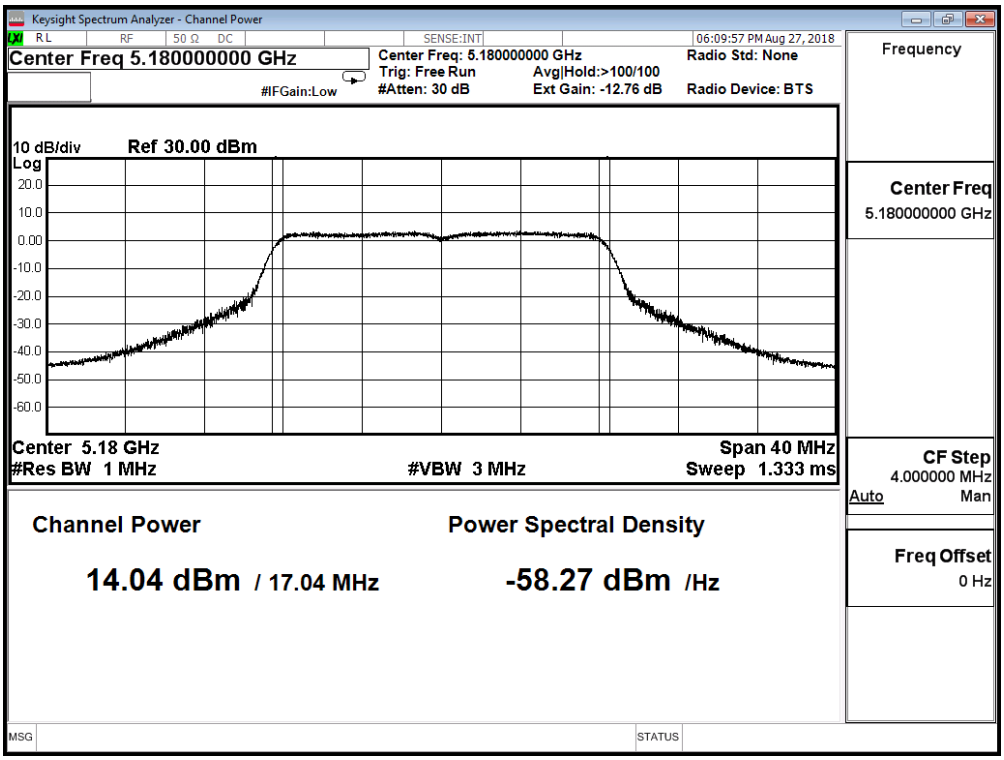
IEEE 802.11a (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.040	≦30
44	5220	13.960	≦30
48	5240	13.980	≦30

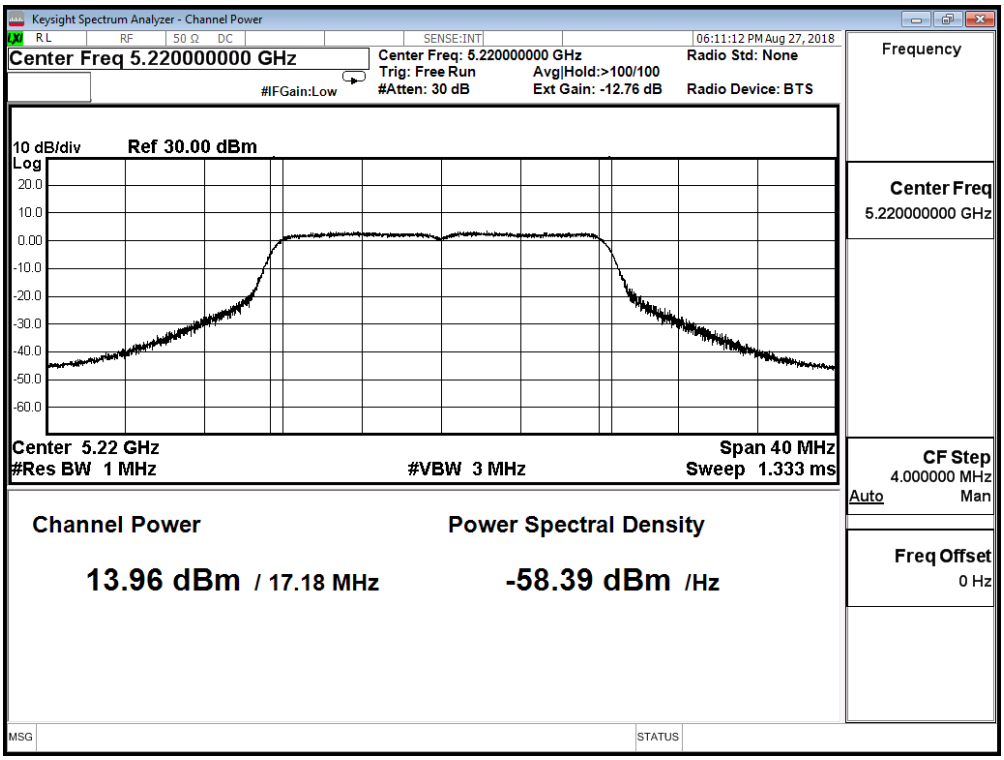
The worst emission of data rate is 6 Mbps.

Maximum conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	14.040	--	--	--	--	--	--	≦30
44	5220	13.960	13.820	13.690	13.540	13.400	13.250	13.120	
48	5240	13.980	--	--	--	--	--	--	

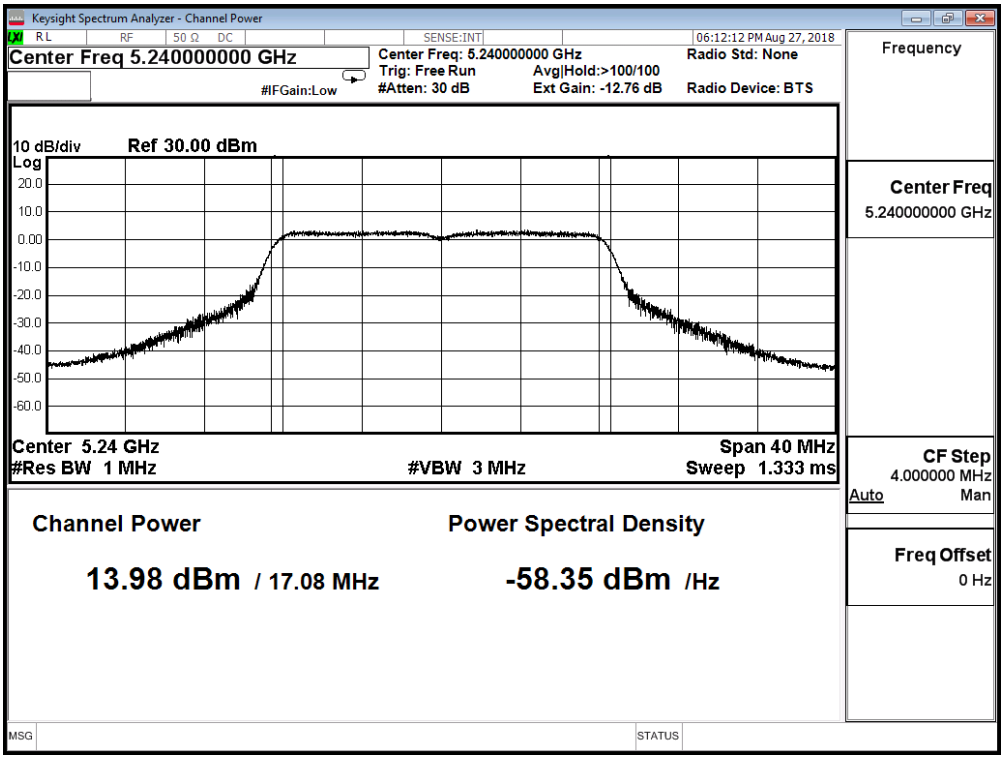
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

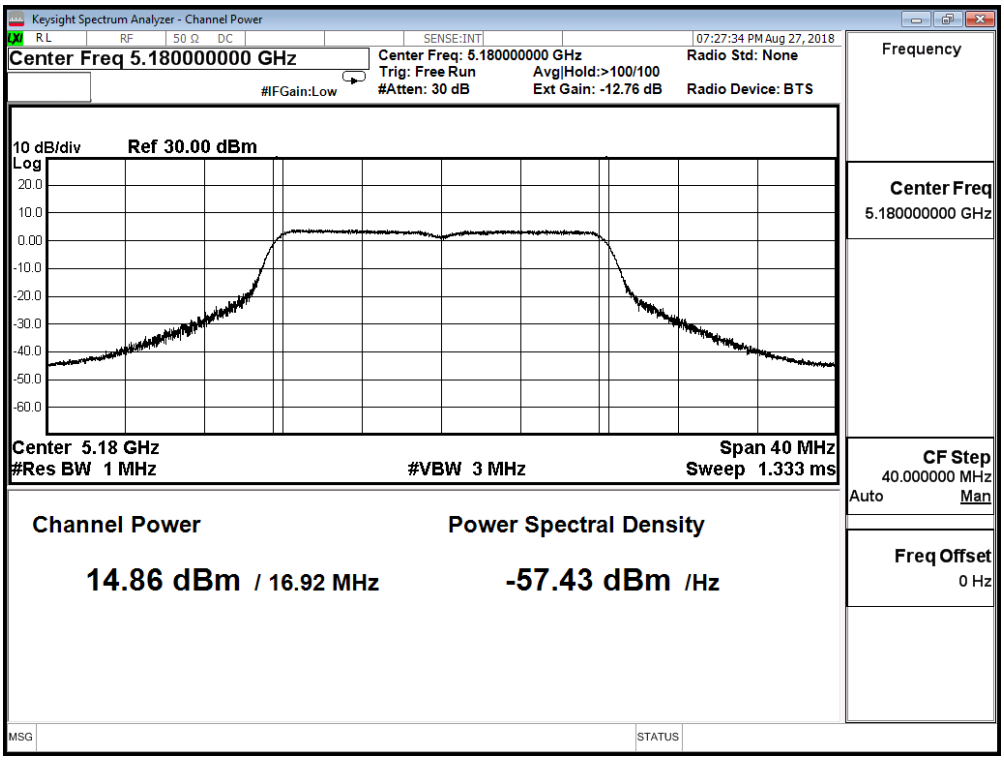
IEEE 802.11a (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.860	≦30
44	5220	15.160	≦30
48	5240	15.060	≦30

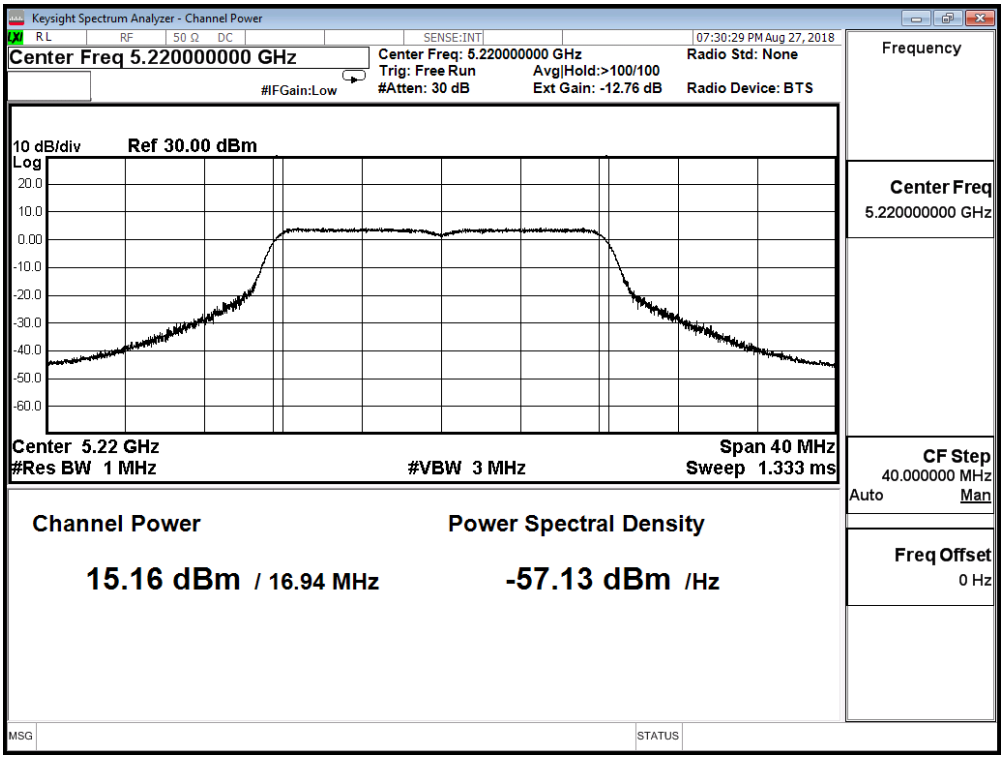
The worst emission of data rate is 6 Mbps.

Maximum conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	14.860	--	--	--	--	--	--	≦30
44	5220	15.160	15.010	14.870	14.740	14.600	14.460	14.320	
48	5240	15.060	--	--	--	--	--	--	

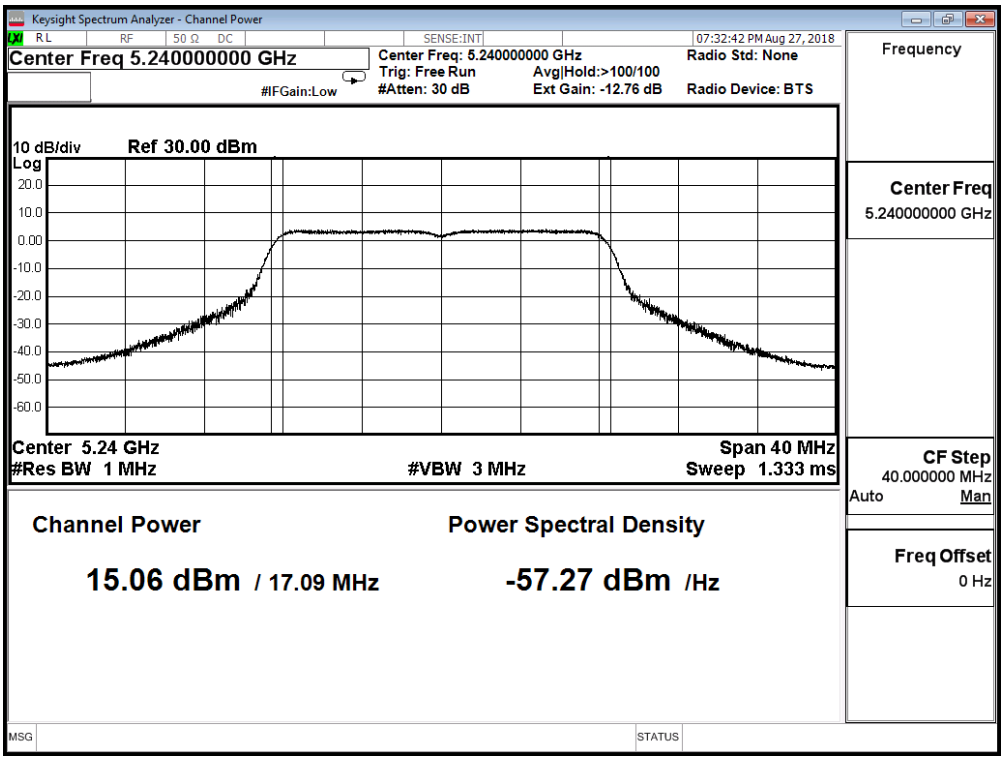
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

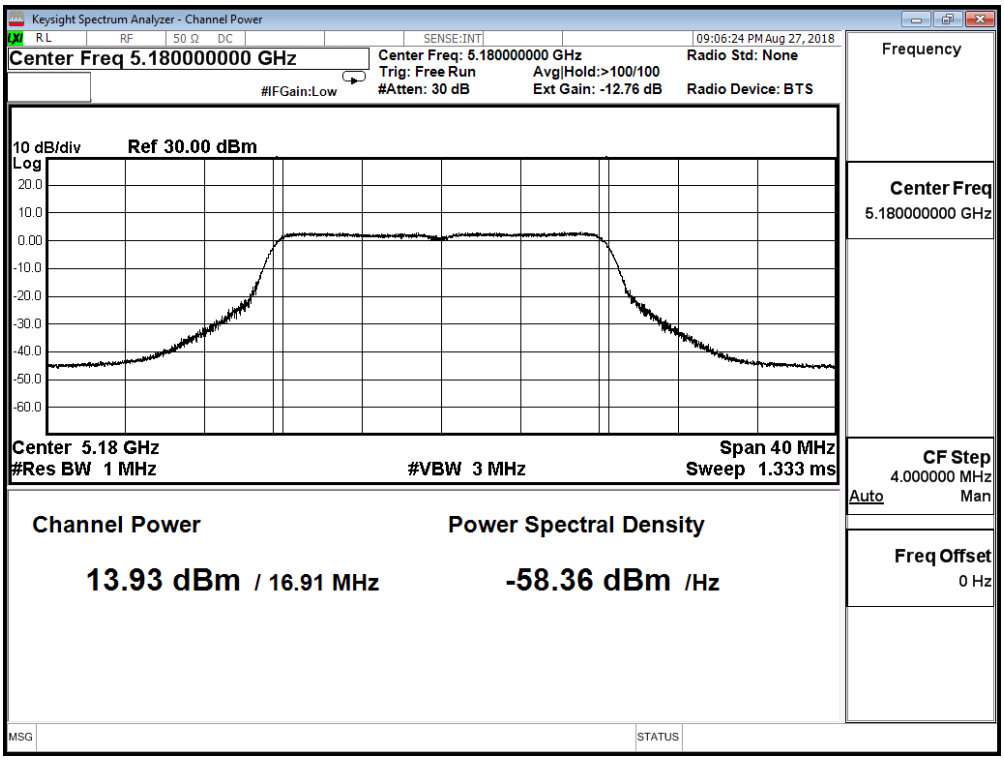
IEEE 802.11a (ANT 3)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	13.930	≦30
44	5220	14.420	≦30
48	5240	13.950	≦30

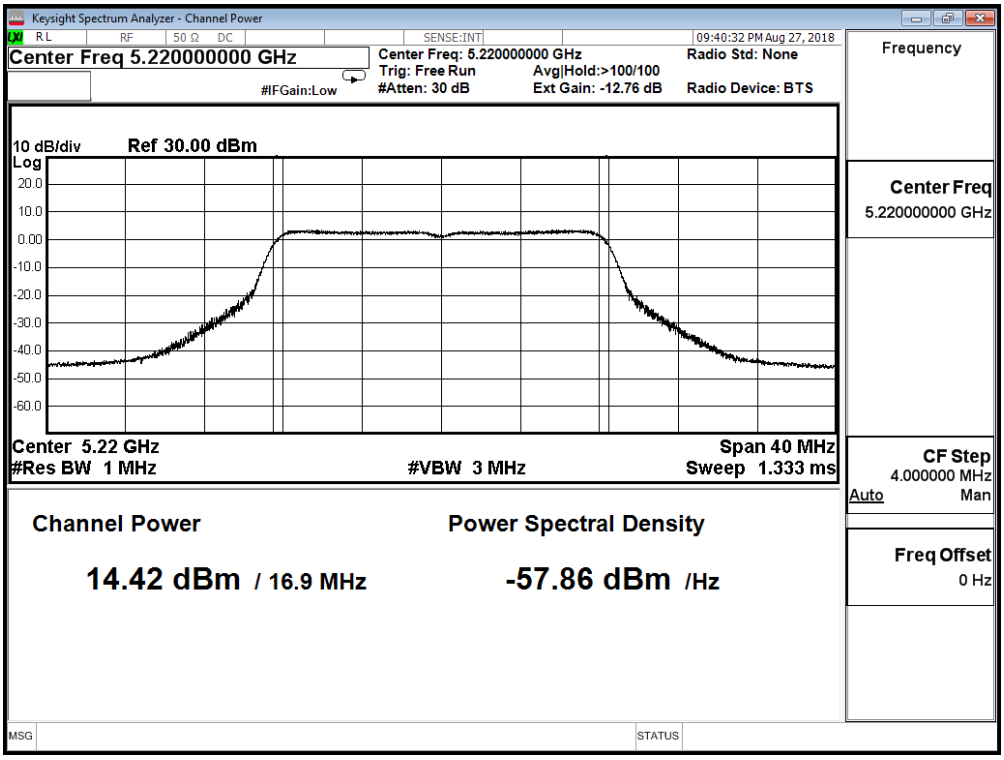
The worst emission of data rate is 6 Mbps.

Maximum conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	13.930	--	--	--	--	--	--	≦30
44	5220	14.420	14.280	14.140	14.000	13.860	13.730	13.580	
48	5240	13.950	--	--	--	--	--	--	

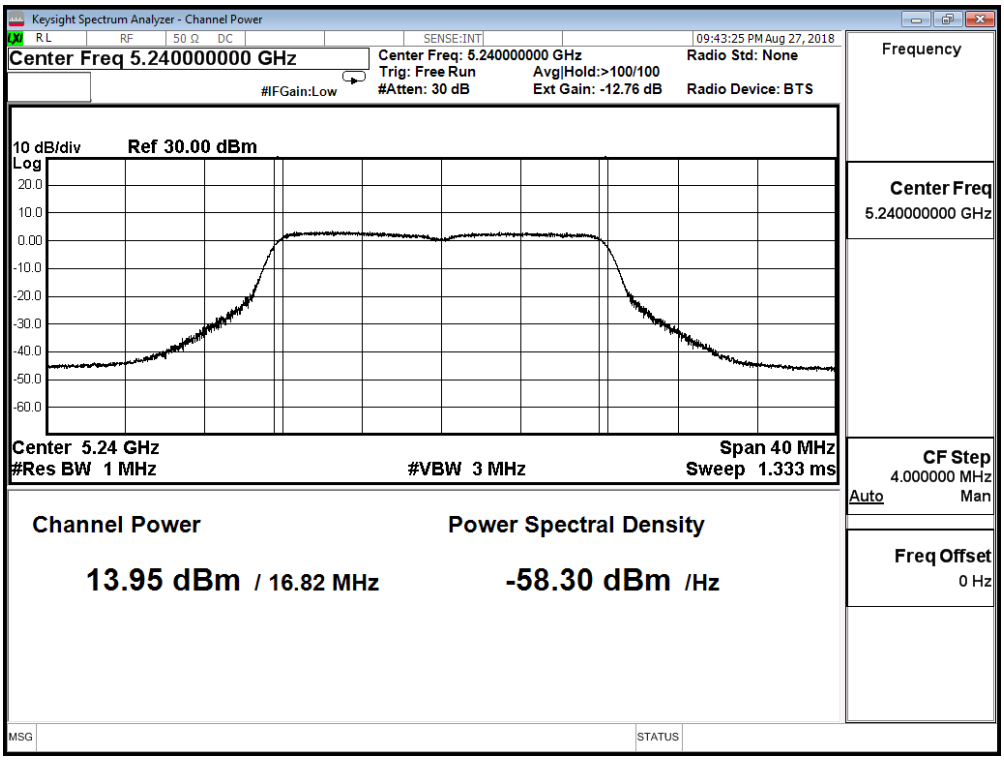
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

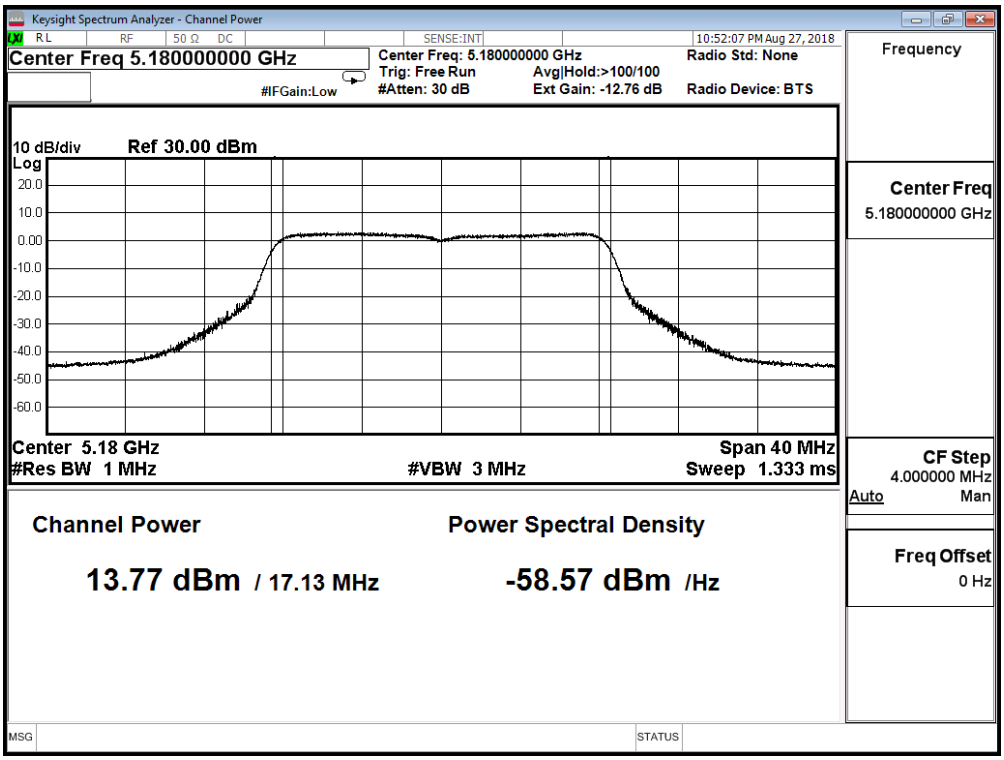
IEEE 802.11a (ANT 4)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	13.770	≦30
44	5220	13.890	≦30
48	5240	13.870	≦30

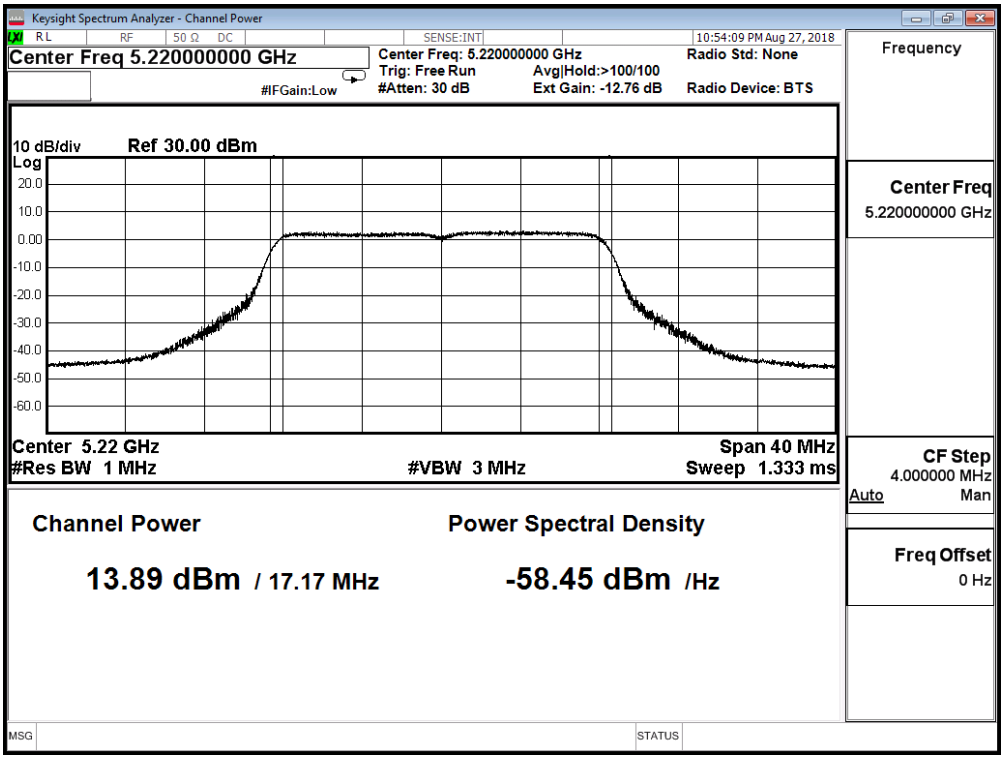
The worst emission of data rate is 6 Mbps.

Maximum conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	13.770	--	--	--	--	--	--	≦30
44	5220	13.890	13.750	13.620	13.470	13.320	13.190	13.050	
48	5240	13.870	--	--	--	--	--	--	

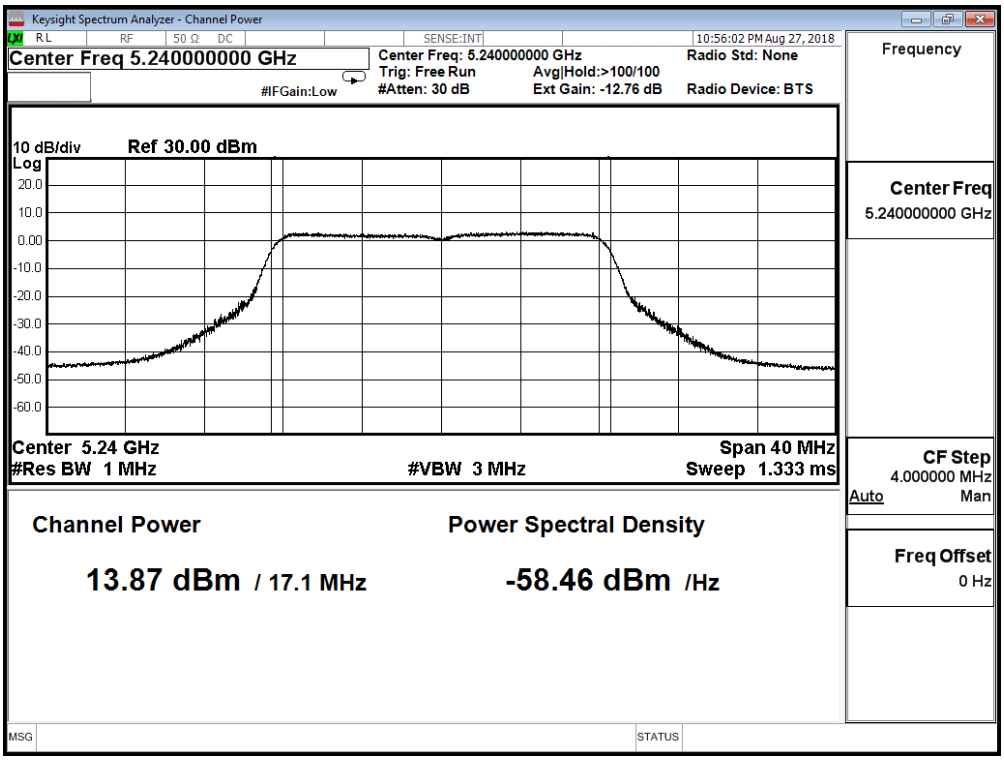
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

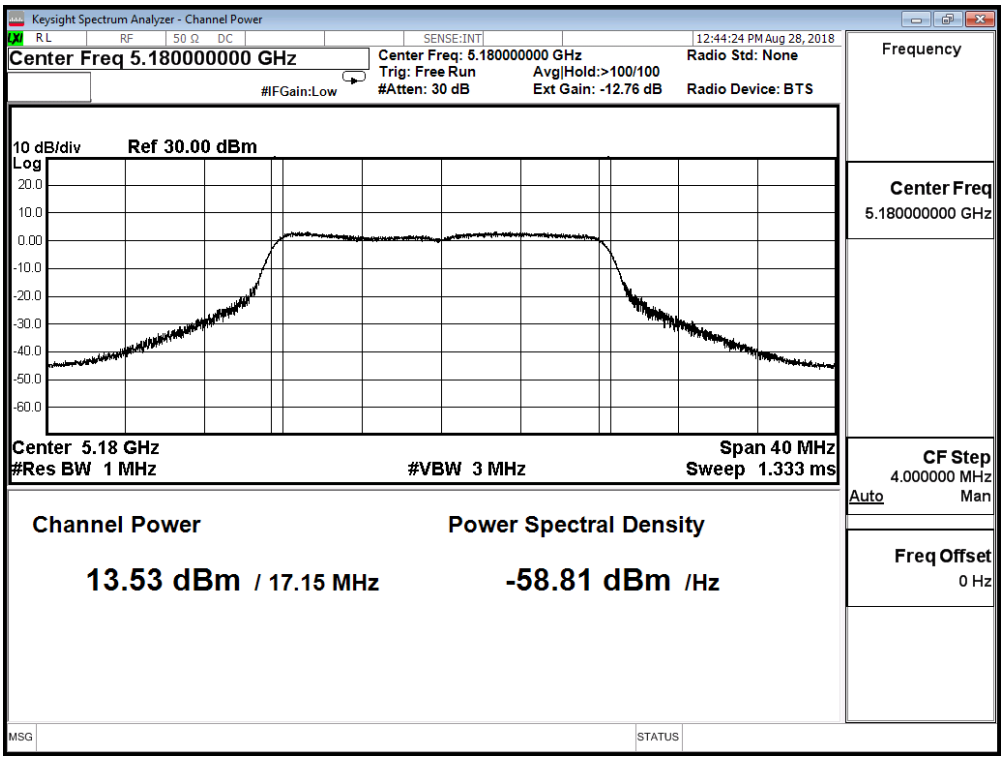
IEEE 802.11a (ANT 5)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	13.530	≦30
44	5220	14.390	≦30
48	5240	14.030	≦30

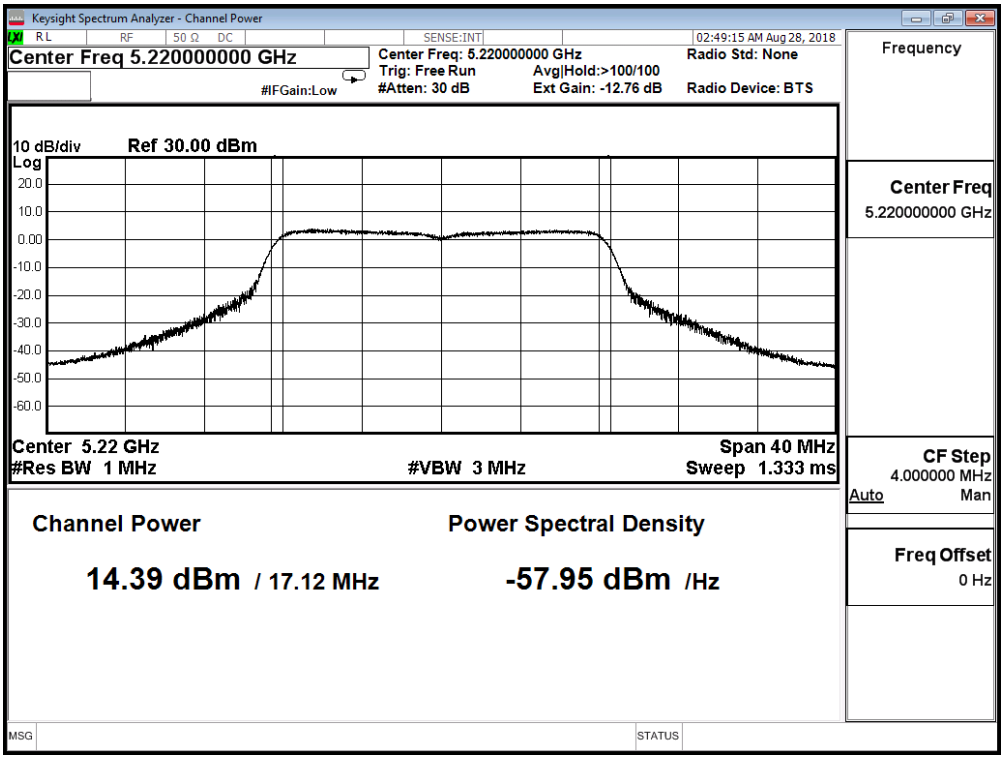
The worst emission of data rate is 6 Mbps.

Maximum conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	13.530	--	--	--	--	--	--	≦30
44	5220	14.390	14.250	14.120	13.970	13.820	13.690	13.550	
48	5240	14.030	--	--	--	--	--	--	

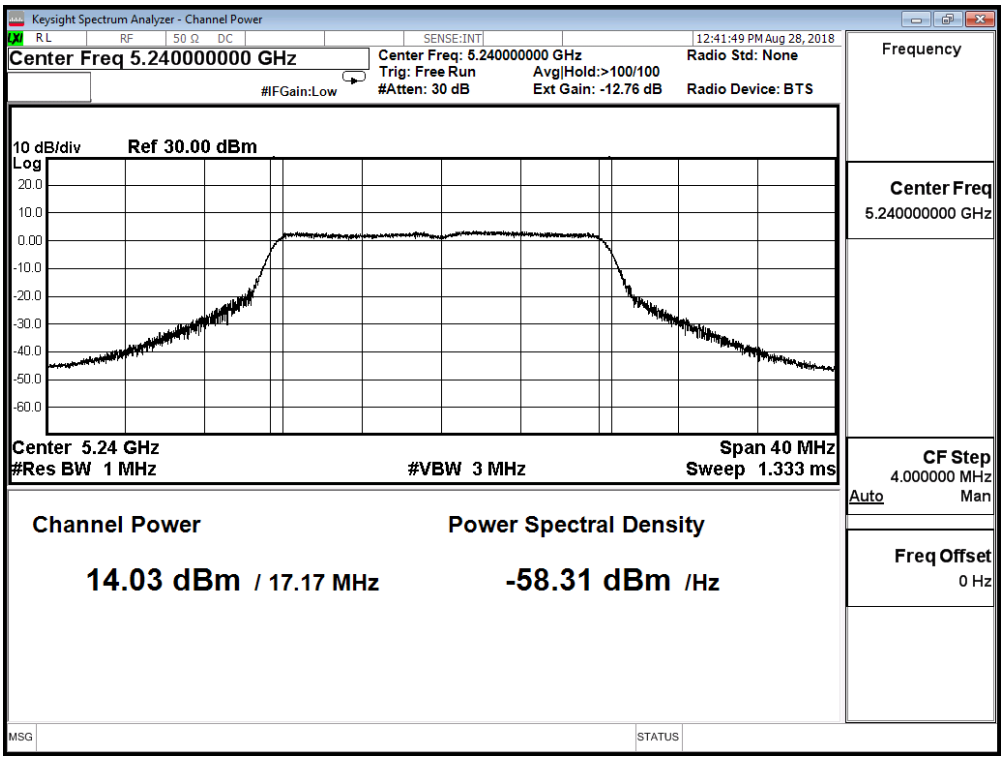
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

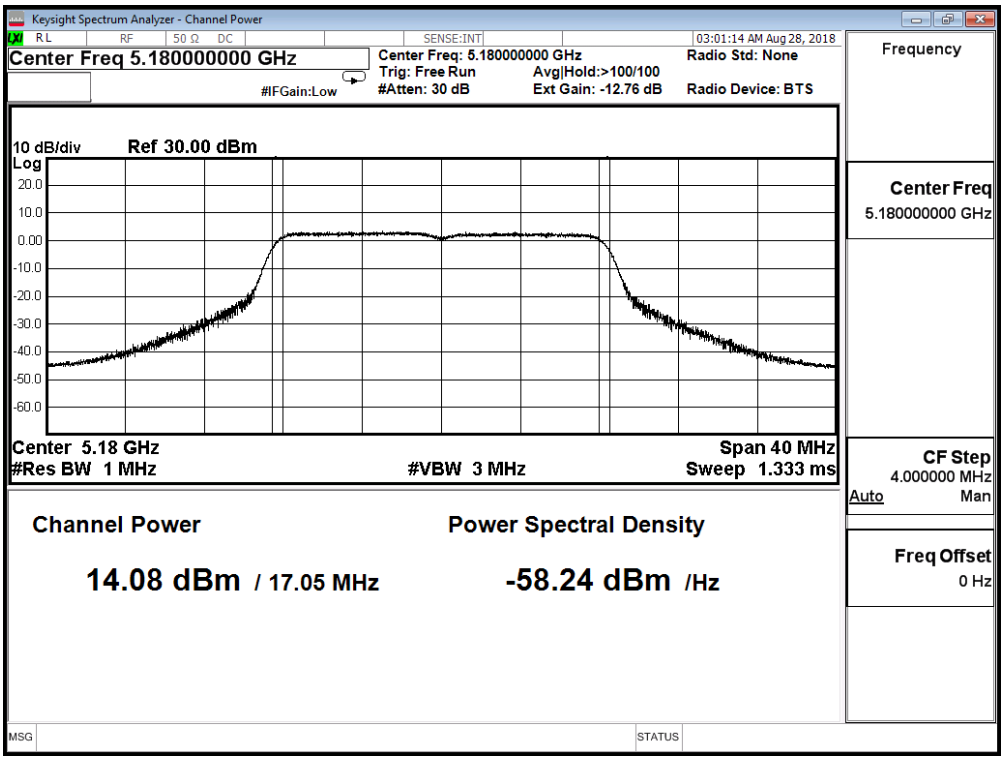
IEEE 802.11a (ANT 6)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.080	≦30
44	5220	14.520	≦30
48	5240	14.420	≦30

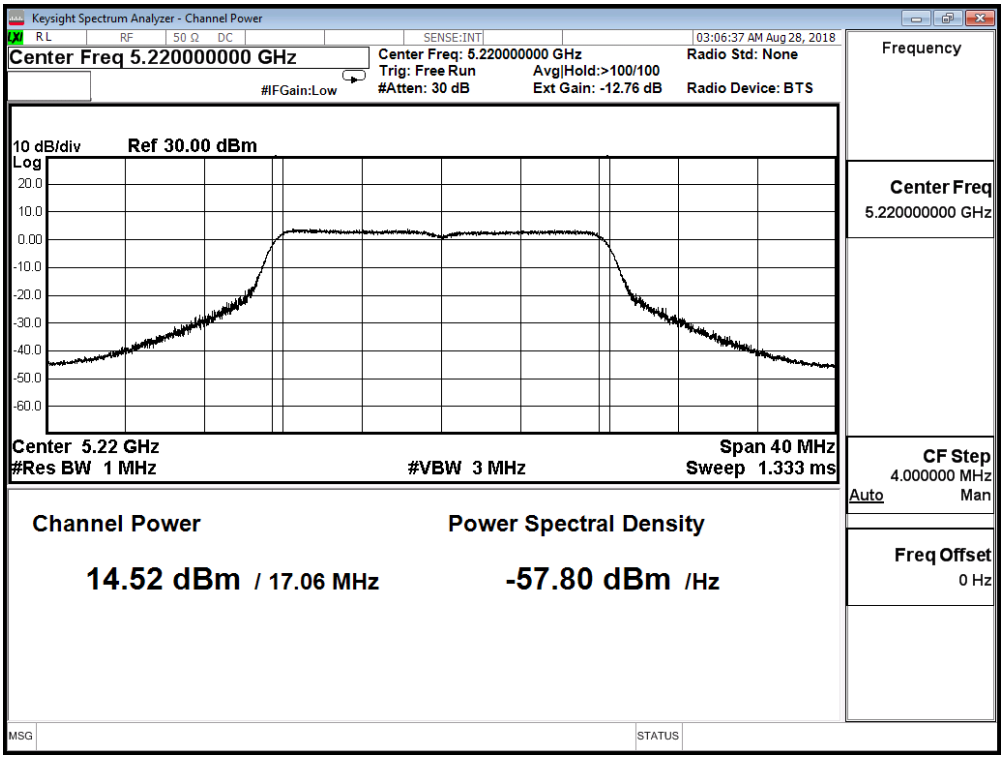
The worst emission of data rate is 6 Mbps.

Maximum conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	14.080	--	--	--	--	--	--	≦30
44	5220	14.520	14.380	14.250	14.100	13.950	13.810	13.670	
48	5240	14.420	--	--	--	--	--	--	

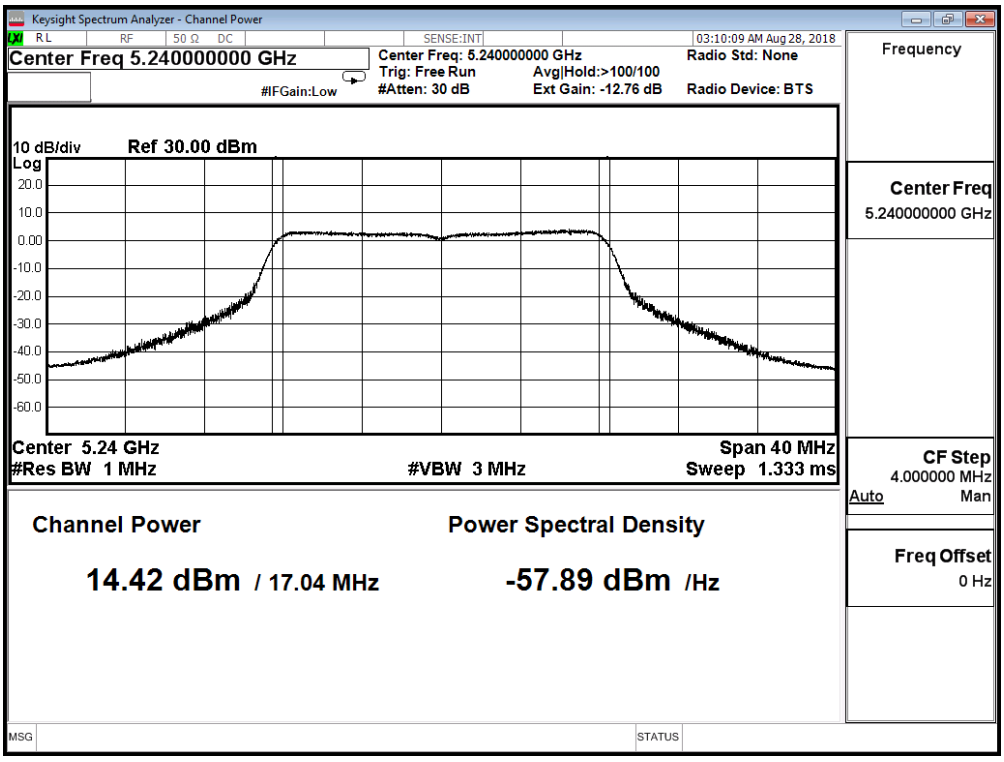
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

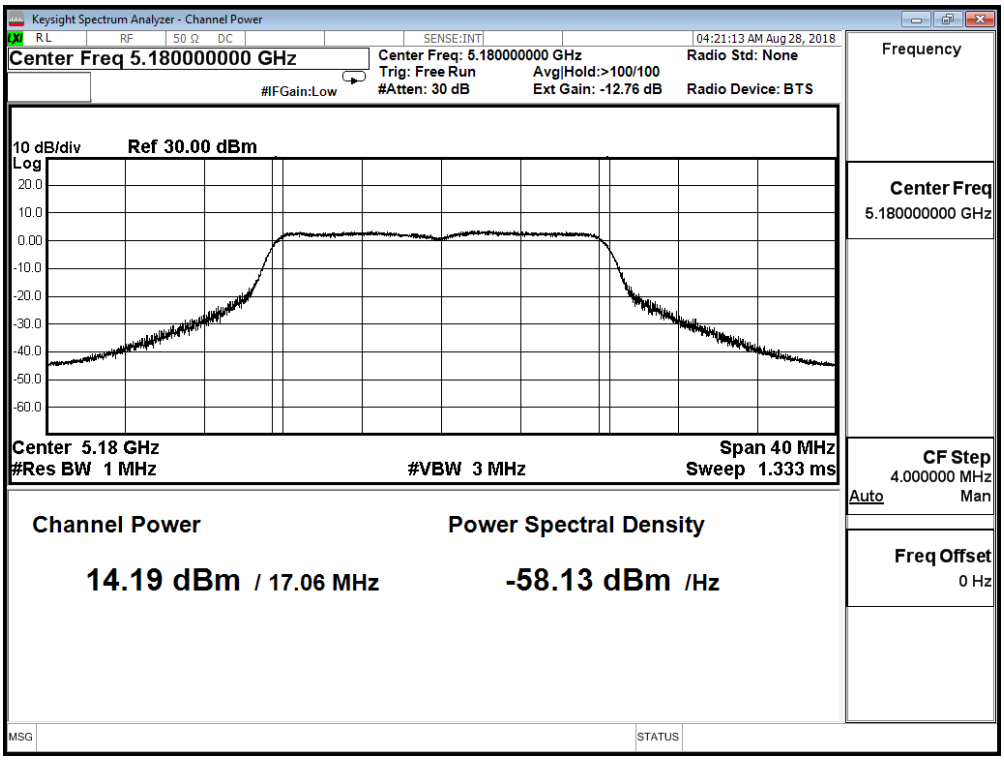
IEEE 802.11a (ANT 8)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.190	≦30
44	5220	14.610	≦30
48	5240	14.740	≦30

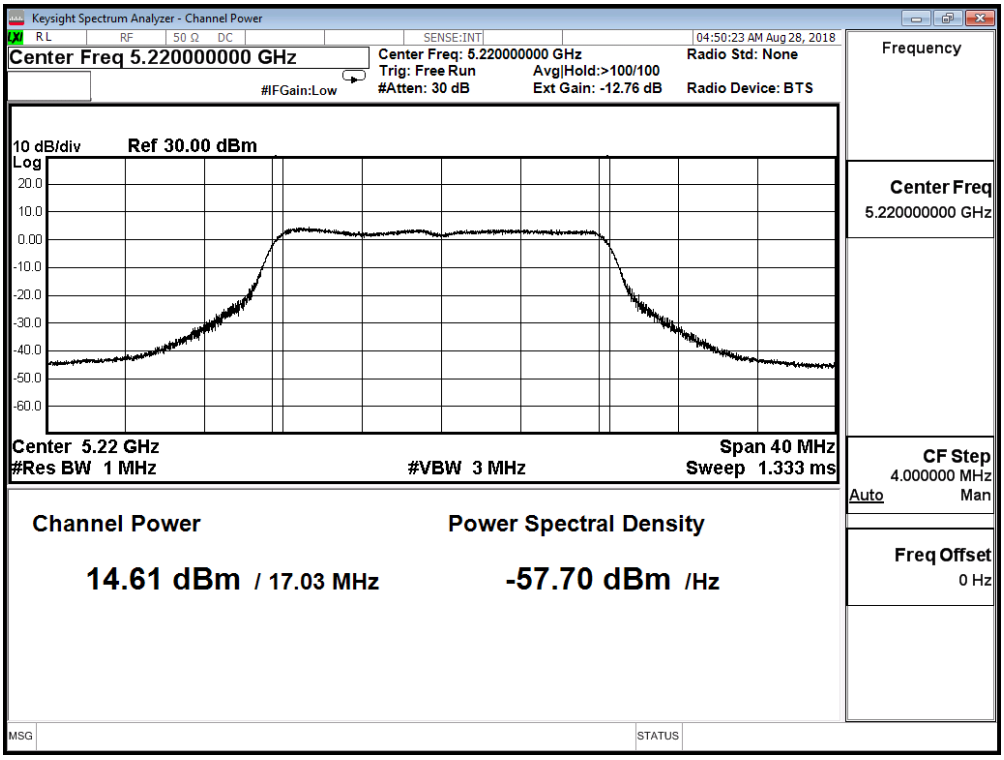
The worst emission of data rate is 6 Mbps.

Maximum conducted output power (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
36	5180	14.190	--	--	--	--	--	--	≦30
44	5220	14.610	14.470	14.330	14.180	14.050	13.920	13.780	
48	5240	14.740	--	--	--	--	--	--	

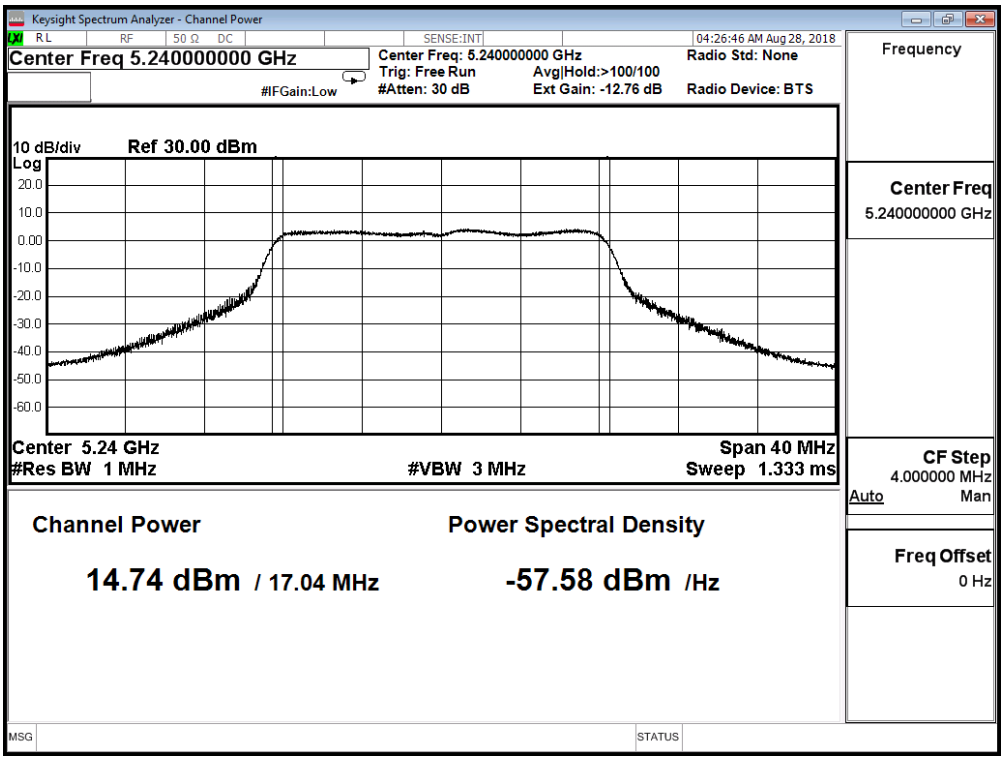
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

IEEE 802.11a (ANT 0+1+2+3+4+5+6+8)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	23.065	≦30
44	5220	23.473	≦30
48	5240	23.360	≦30

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

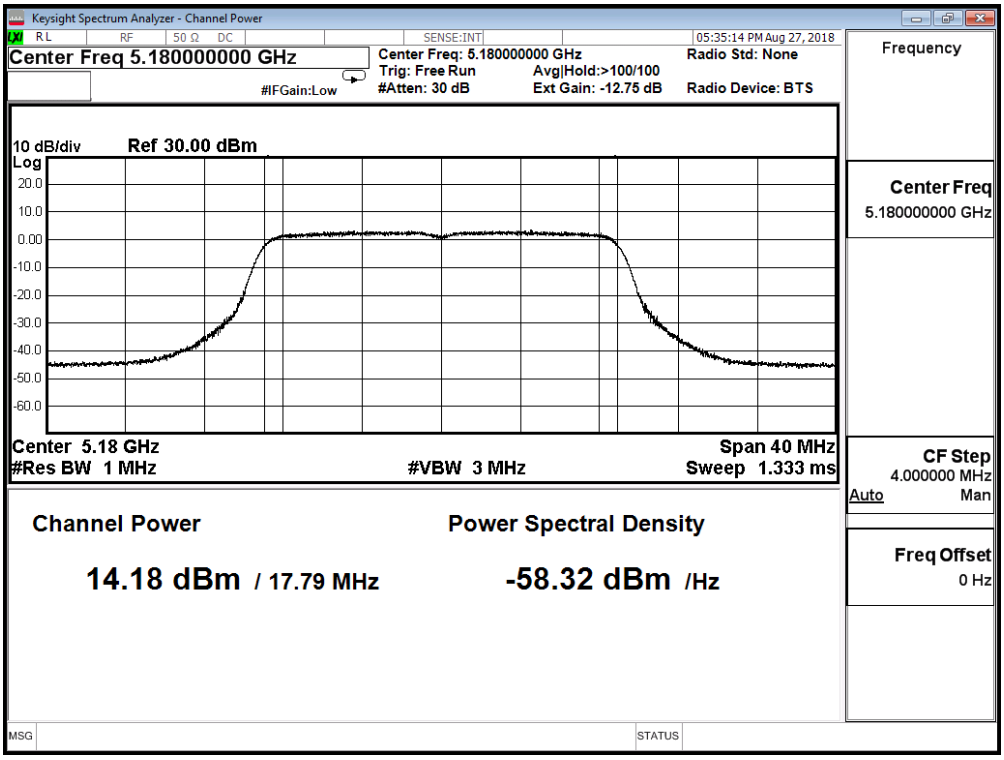
IEEE 802.11ac(20MHz)(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.180	≦30
44	5220	14.230	≦30
48	5240	14.470	≦30

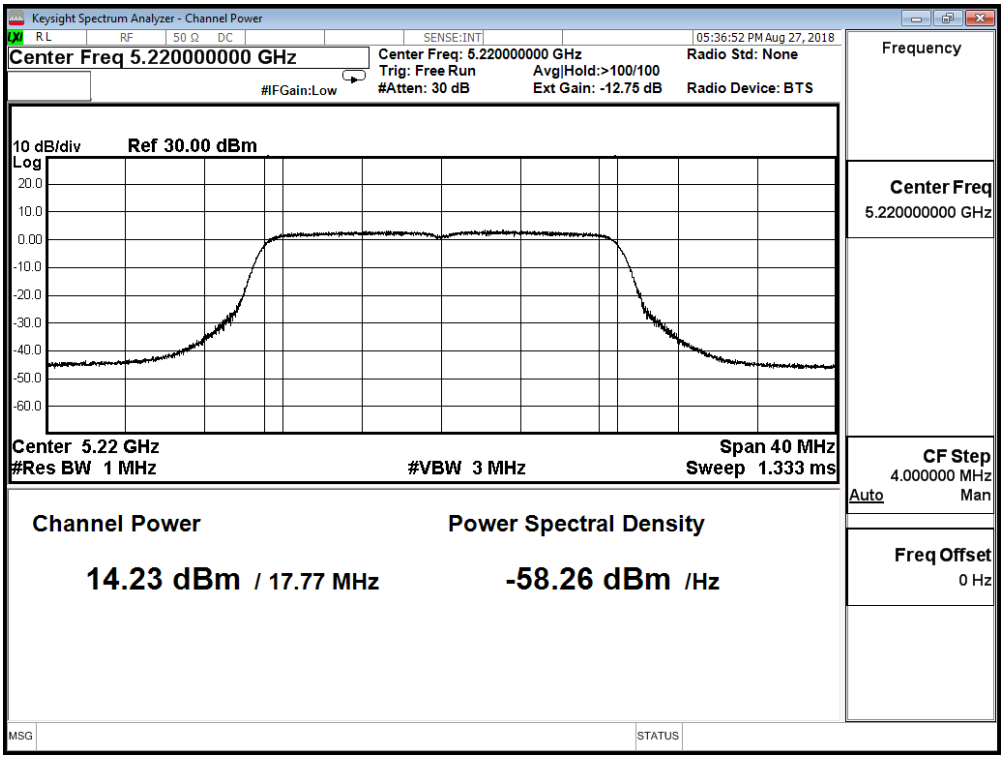
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
36	5180	14.180	--	--	--	--	--	--	--	--	--	≦30
44	5220	14.230	14.100	13.960	13.820	13.690	13.550	13.420	13.290	13.150	13.010	
48	5240	14.470	--	--	--	--	--	--	--	--	--	

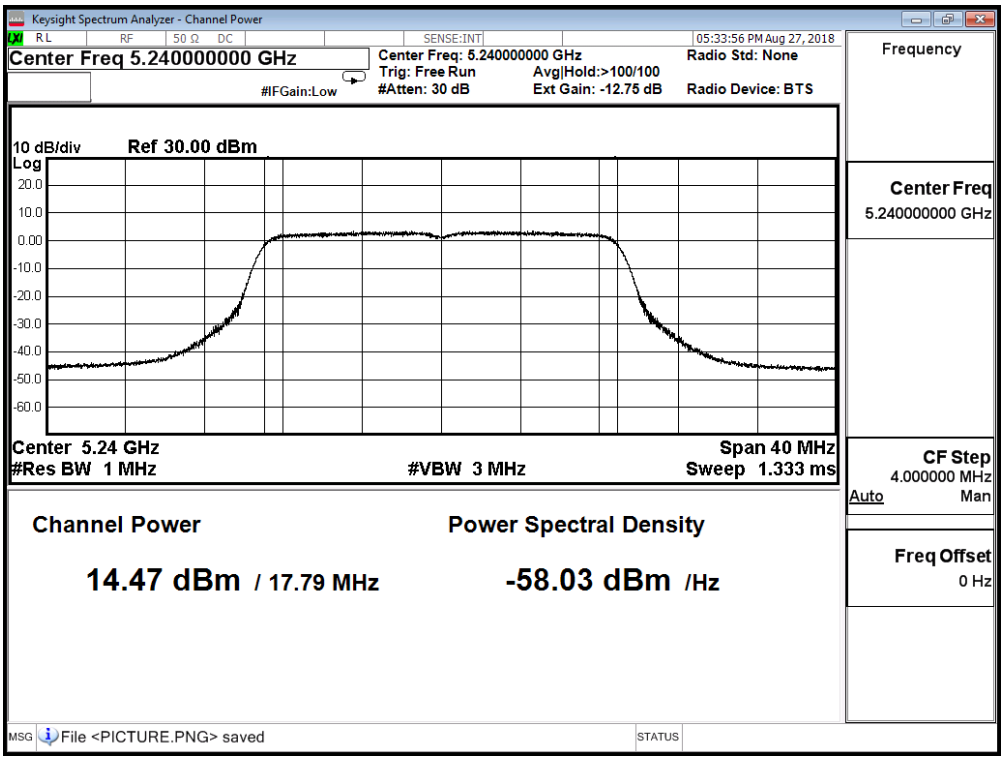
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

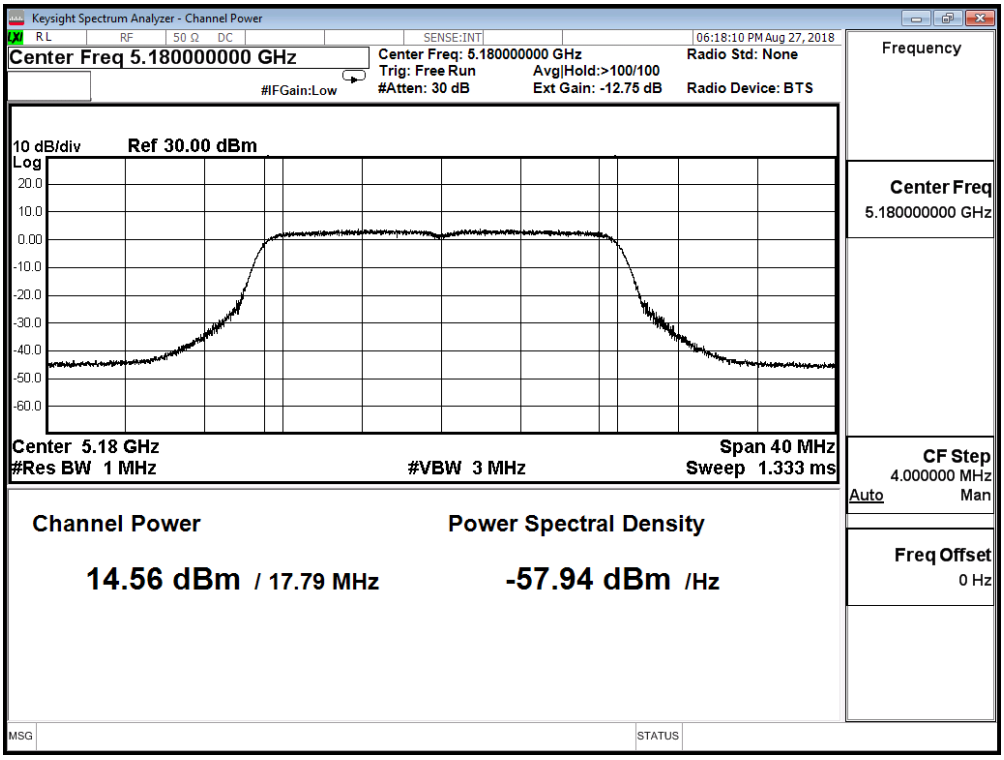
IEEE 802.11ac(20MHz)(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.560	≦30
44	5220	13.500	≦30
48	5240	13.640	≦30

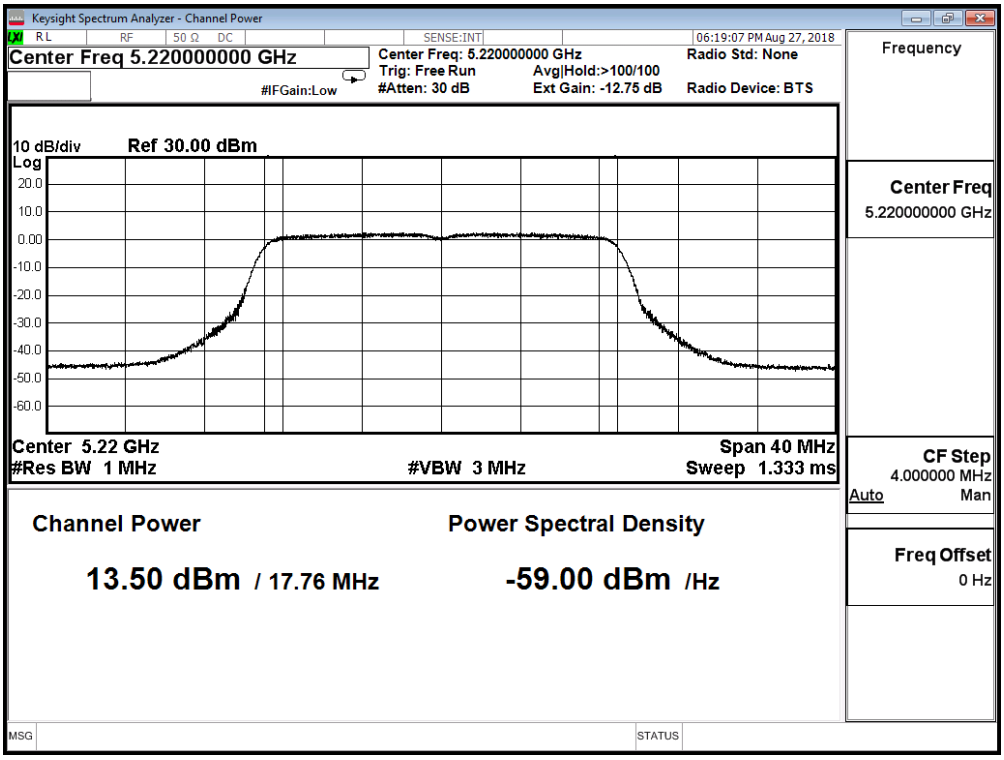
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
36	5180	14.560	--	--	--	--	--	--	--	--	--	≦30
44	5220	13.500	13.370	13.230	13.090	12.940	12.800	12.650	12.510	12.360	12.220	
48	5240	13.640	--	--	--	--	--	--	--	--	--	

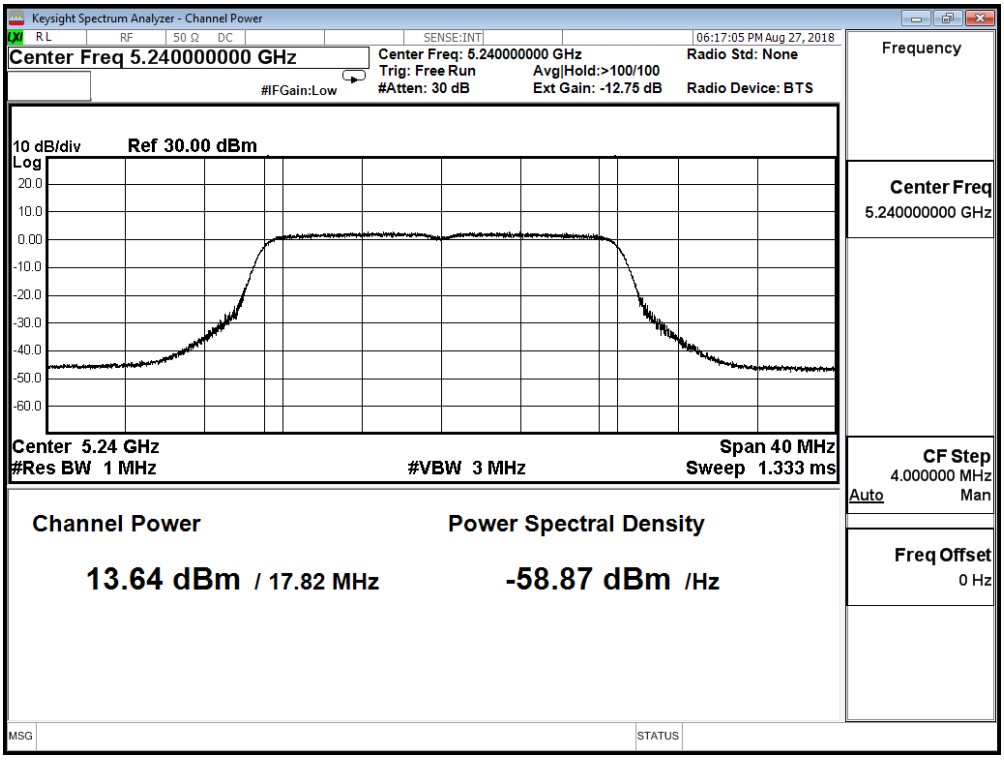
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

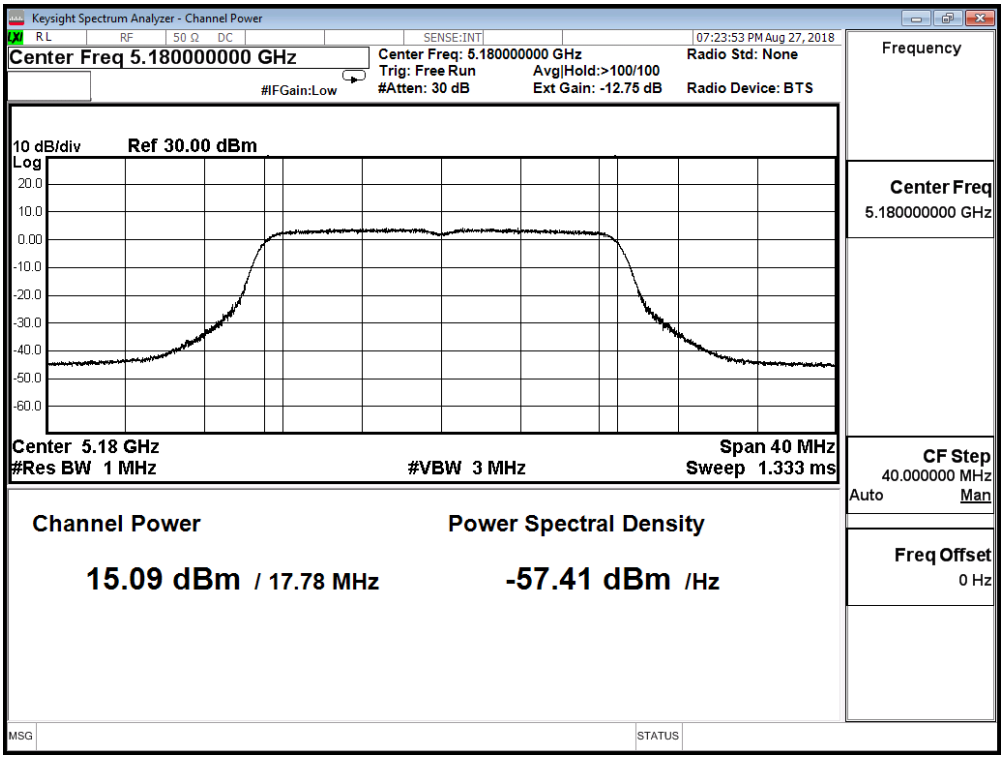
IEEE 802.11ac(20MHz)(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	15.090	≦30
44	5220	14.840	≦30
48	5240	14.840	≦30

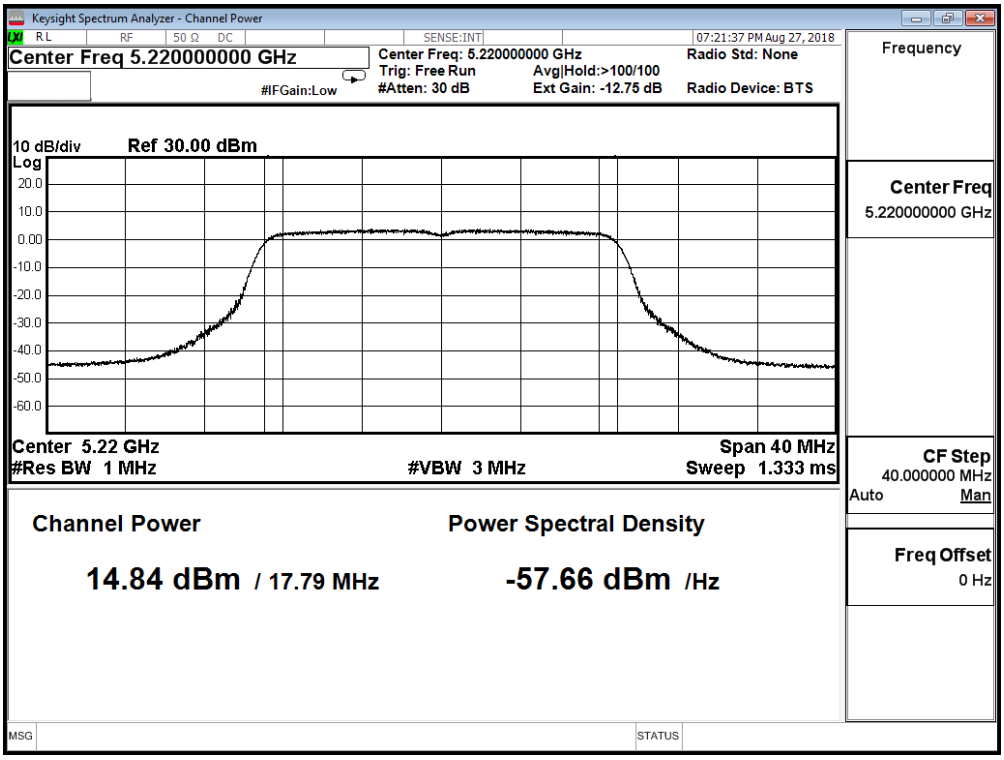
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
36	5180	15.090	--	--	--	--	--	--	--	--	--	≦30
44	5220	14.840	14.700	14.570	14.430	14.280	14.150	14.000	13.850	13.710	13.560	
48	5240	14.840	--	--	--	--	--	--	--	--	--	

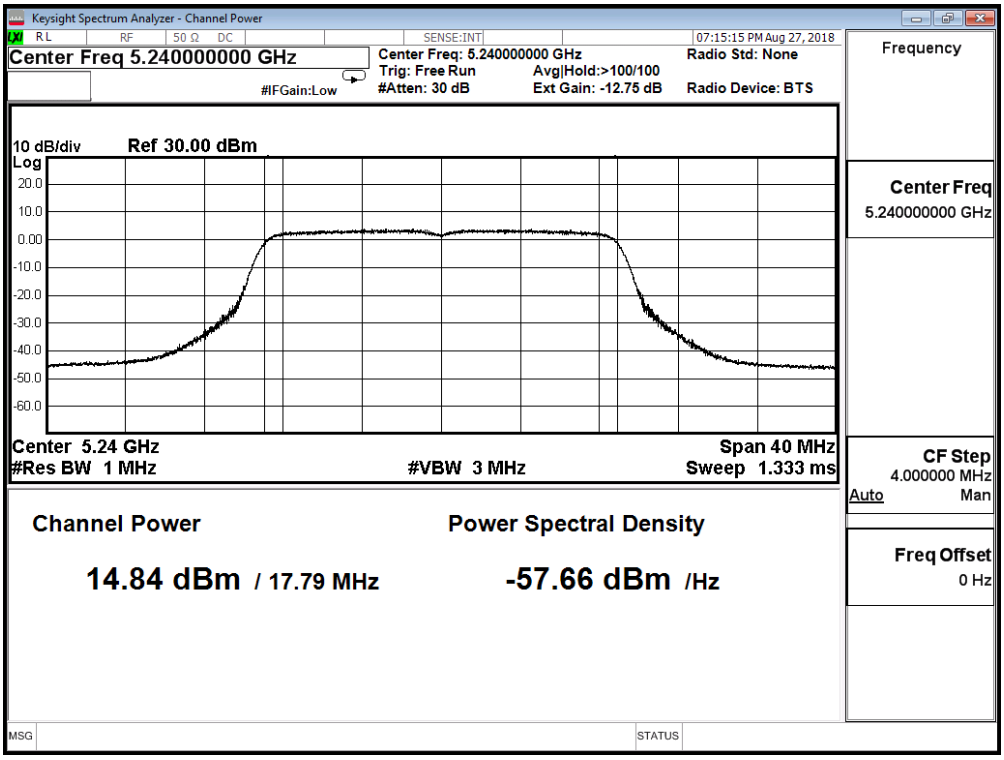
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

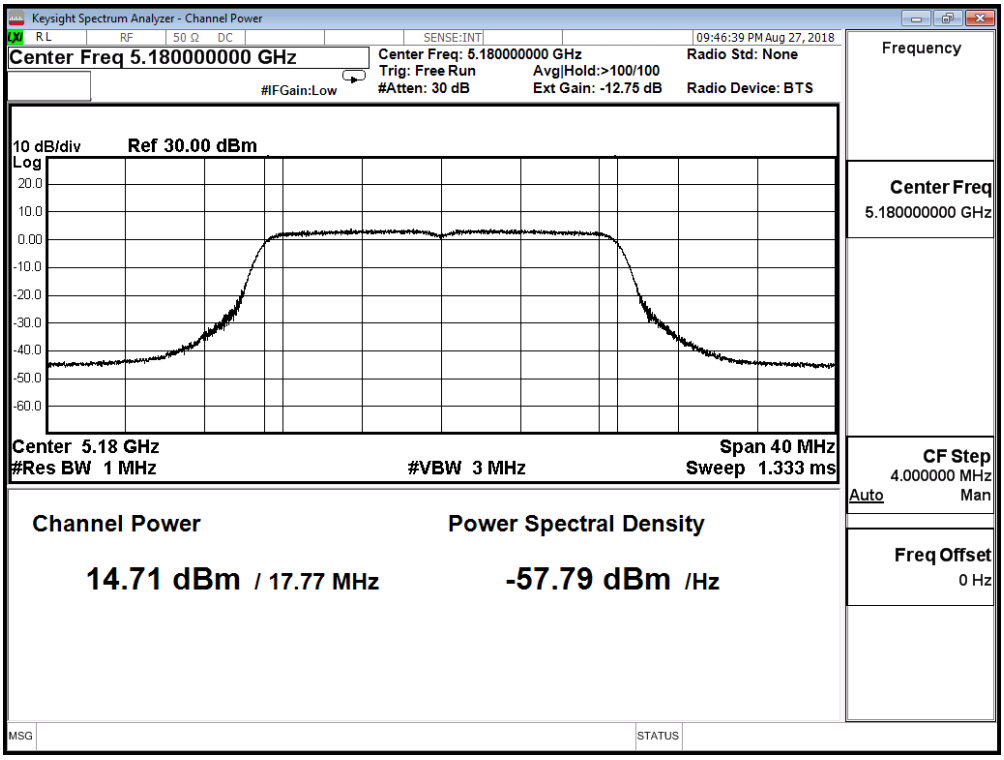
IEEE 802.11ac(20MHz)(ANT 3)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.710	≦30
44	5220	13.260	≦30
48	5240	14.080	≦30

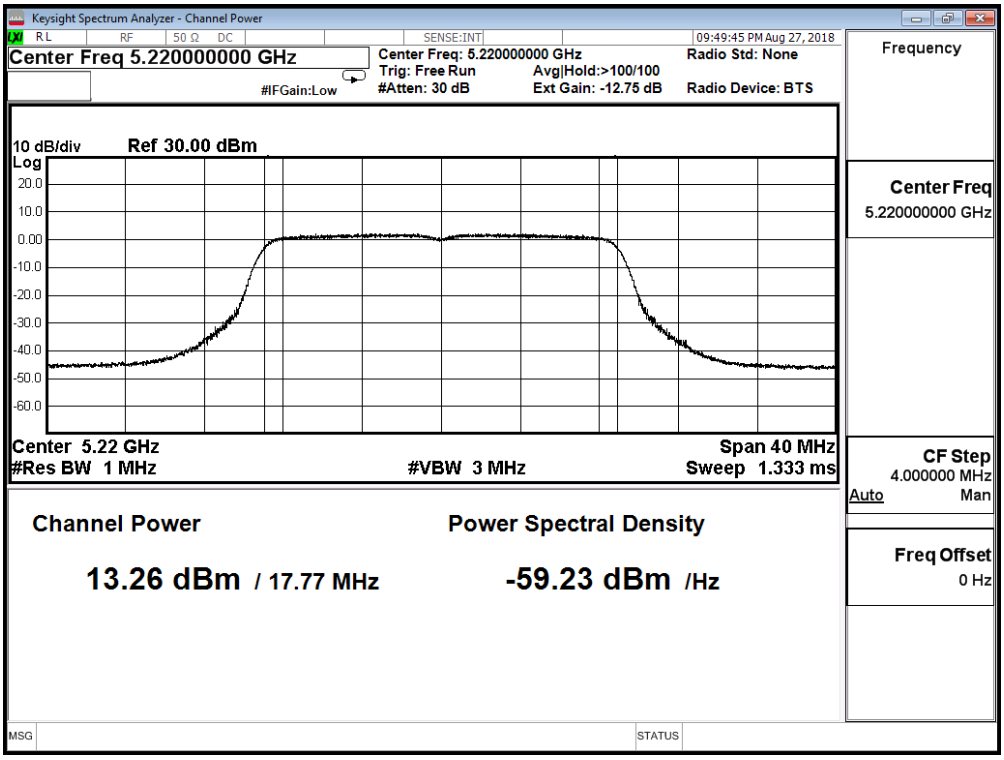
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
36	5180	14.710	--	--	--	--	--	--	--	--	--	≦30
44	5220	13.260	13.130	12.990	12.850	12.710	12.580	12.440	12.310	12.170	12.020	
48	5240	14.080	--	--	--	--	--	--	--	--	--	

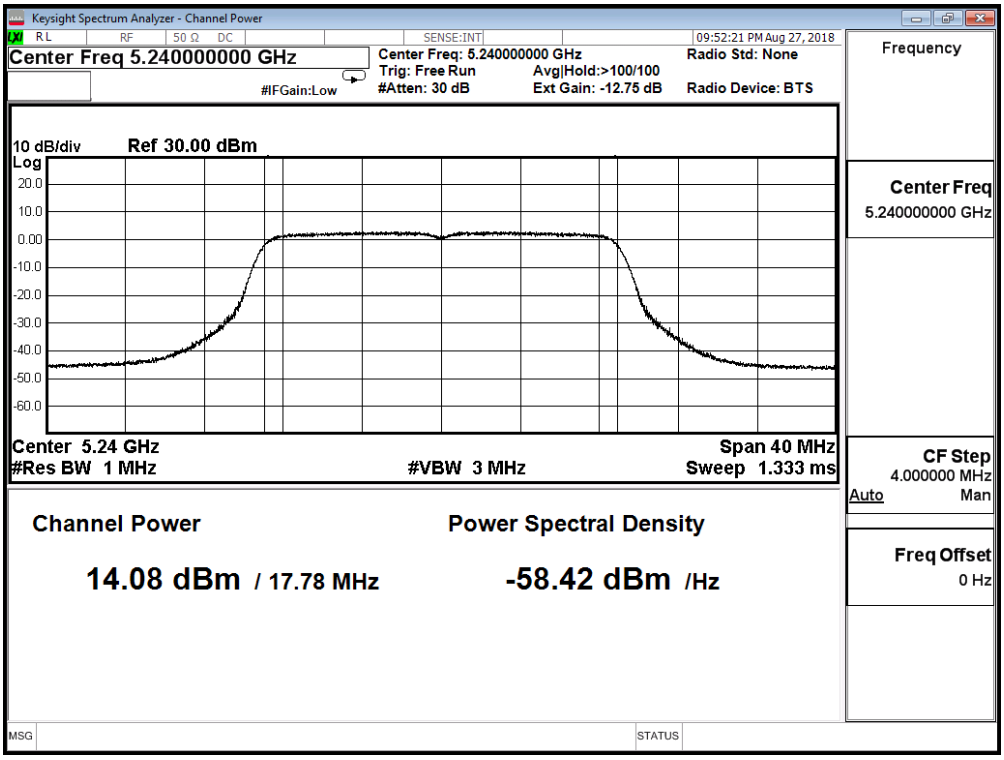
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

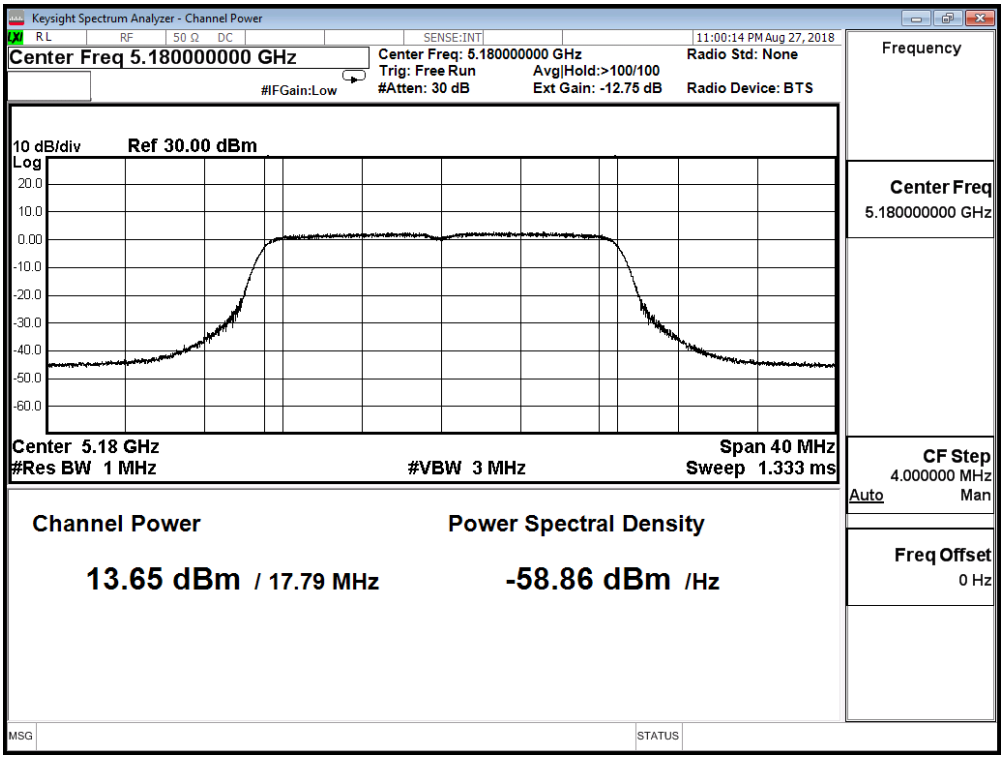
IEEE 802.11ac(20MHz)(ANT 4)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	13.650	≦30
44	5220	13.910	≦30
48	5240	13.110	≦30

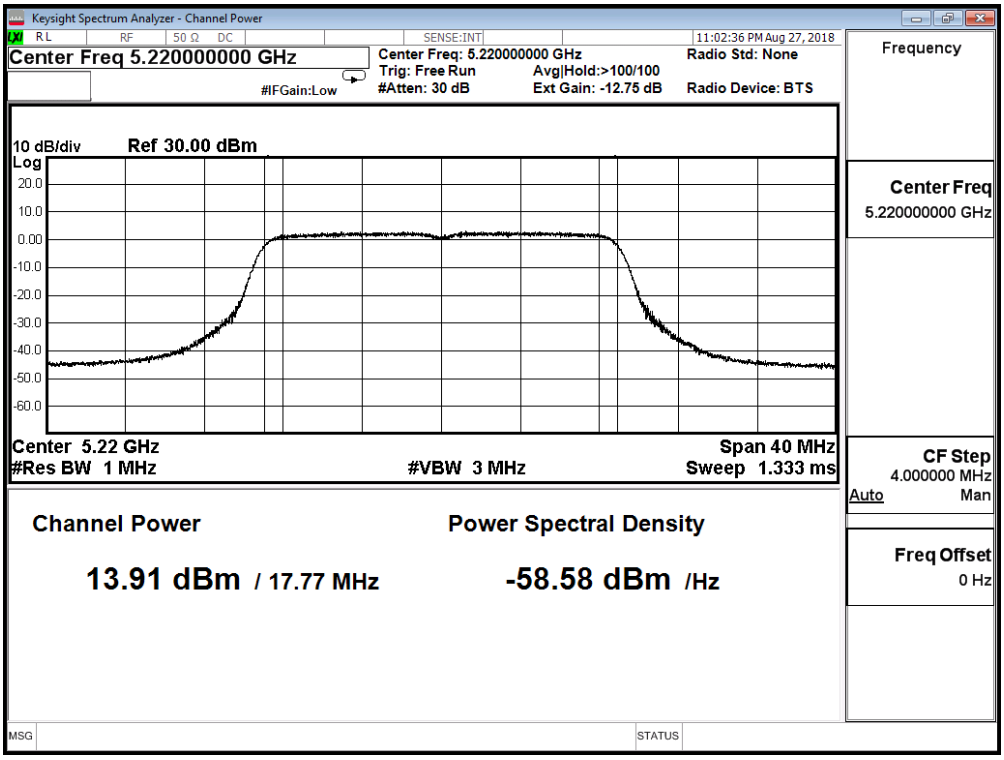
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
36	5180	13.650	--	--	--	--	--	--	--	--	--	≦30
44	5220	13.910	13.780	13.640	13.510	13.360	13.210	13.060	12.910	12.760	12.620	
48	5240	13.110	--	--	--	--	--	--	--	--	--	

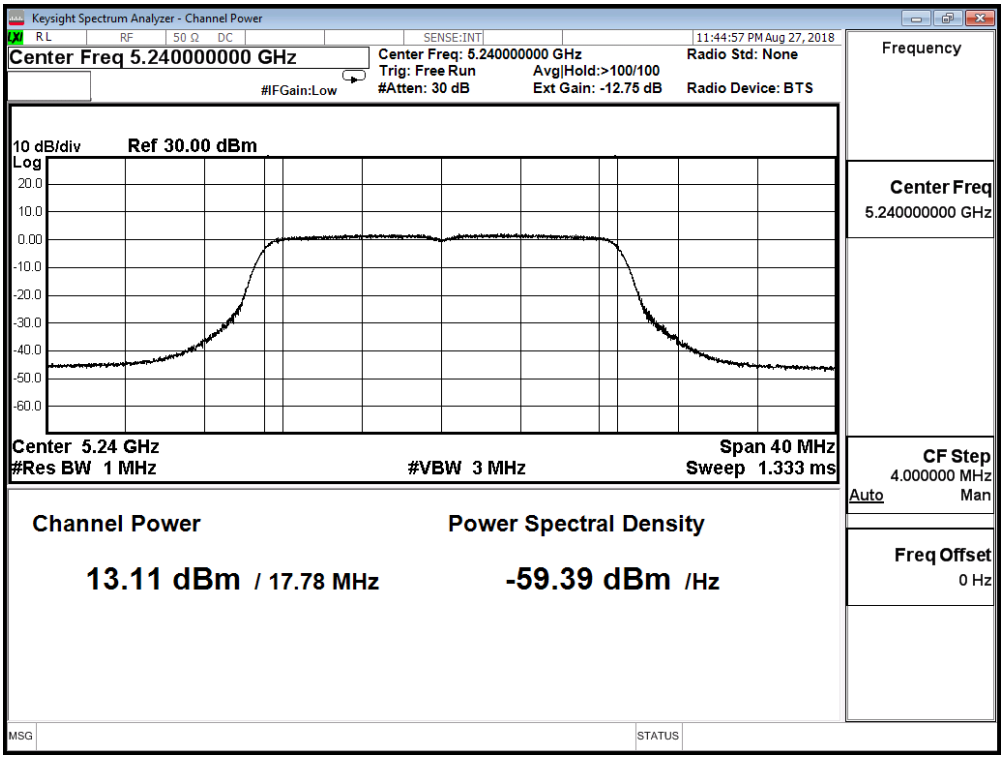
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

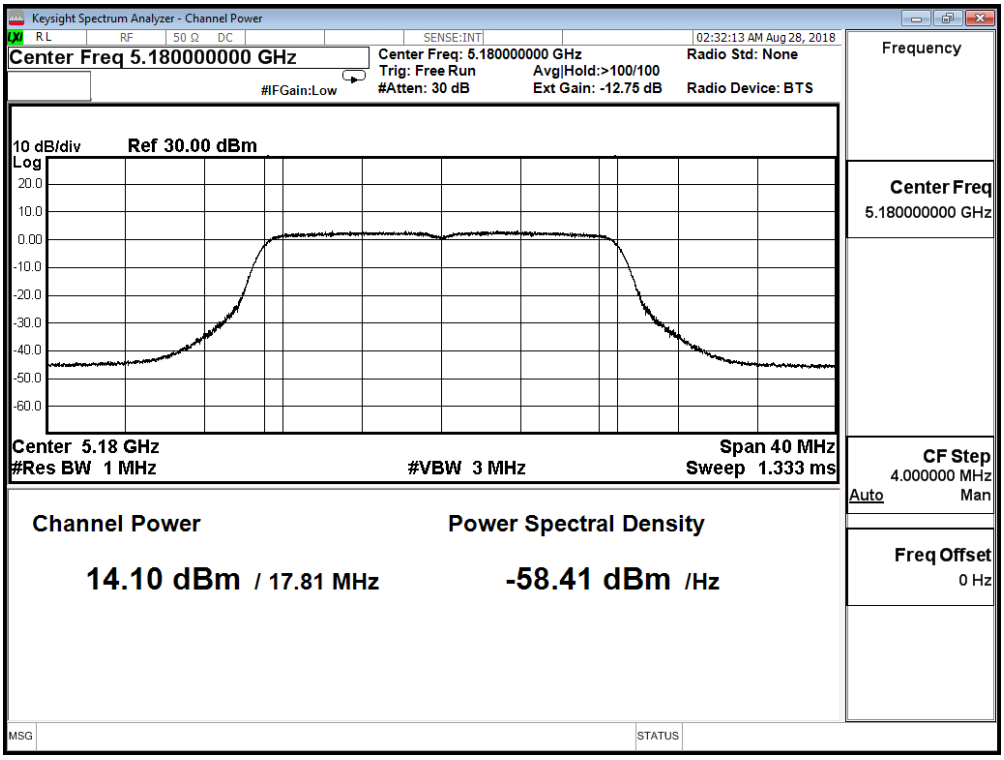
IEEE 802.11ac(20MHz)(ANT 5)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.100	≦30
44	5220	14.950	≦30
48	5240	15.390	≦30

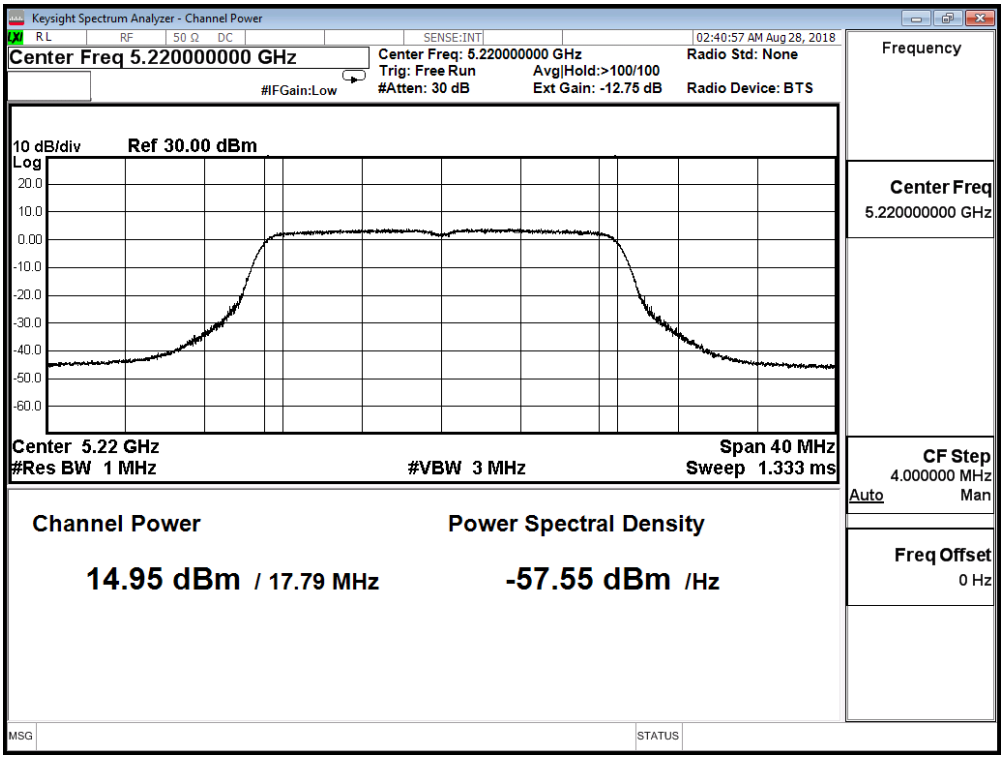
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
36	5180	14.100	--	--	--	--	--	--	--	--	--	≦30
44	5220	14.950	14.820	14.690	14.540	14.400	14.250	14.100	13.960	13.810	13.670	
48	5240	15.390	--	--	--	--	--	--	--	--	--	

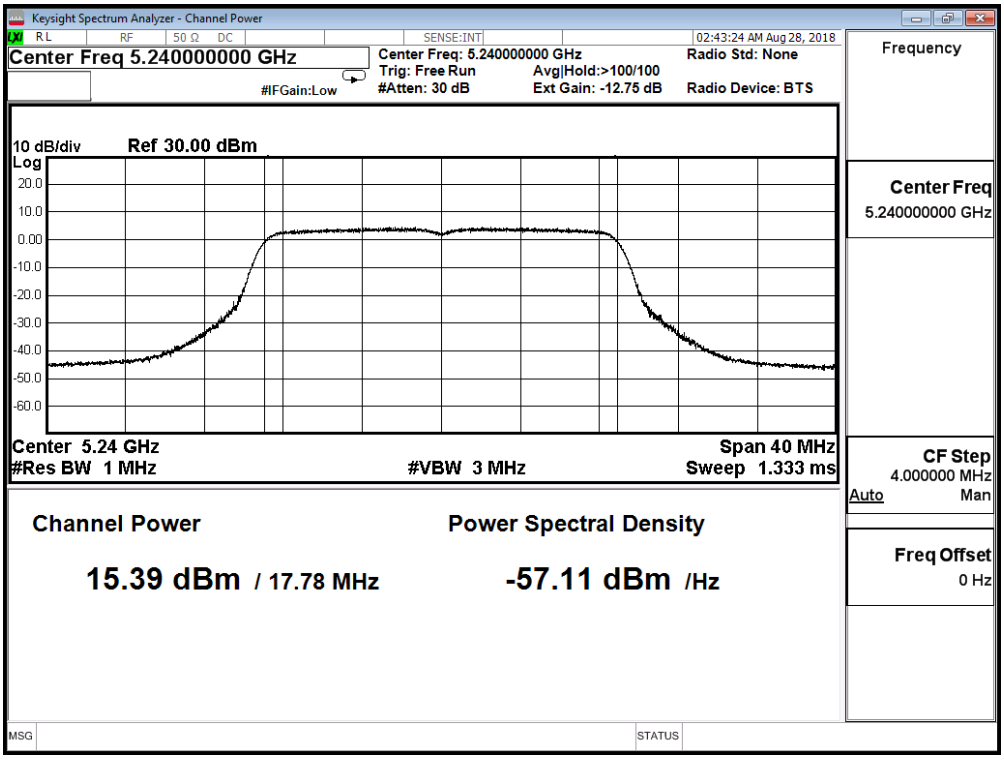
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

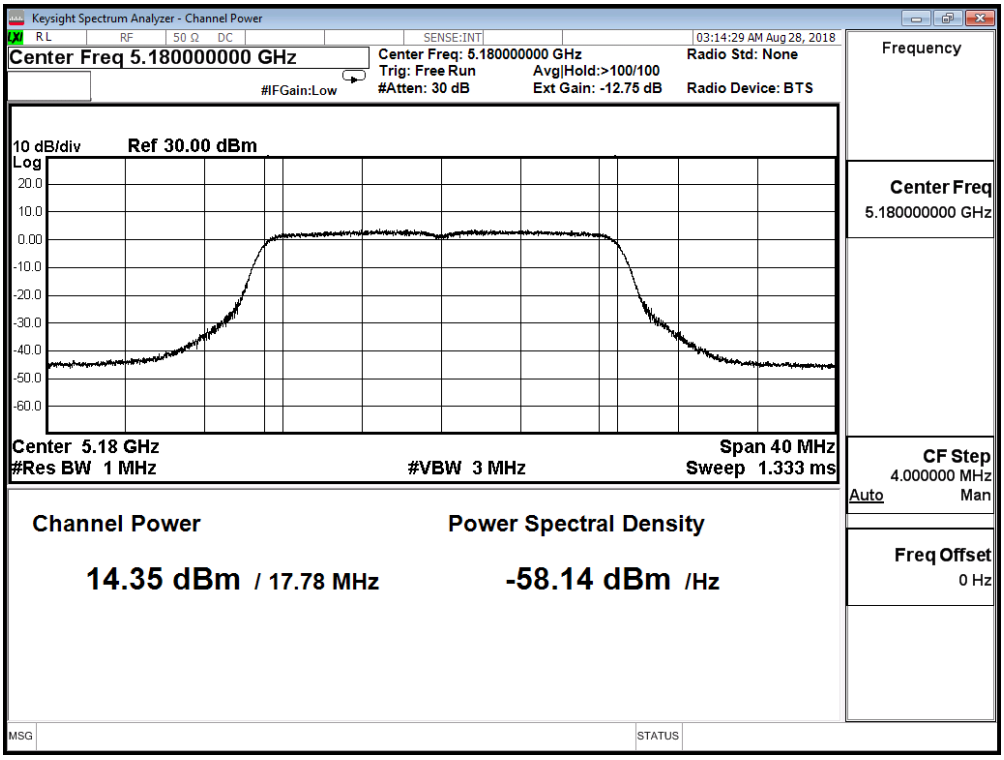
IEEE 802.11ac(20MHz)(ANT 6)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.350	≦30
44	5220	14.390	≦30
48	5240	14.330	≦30

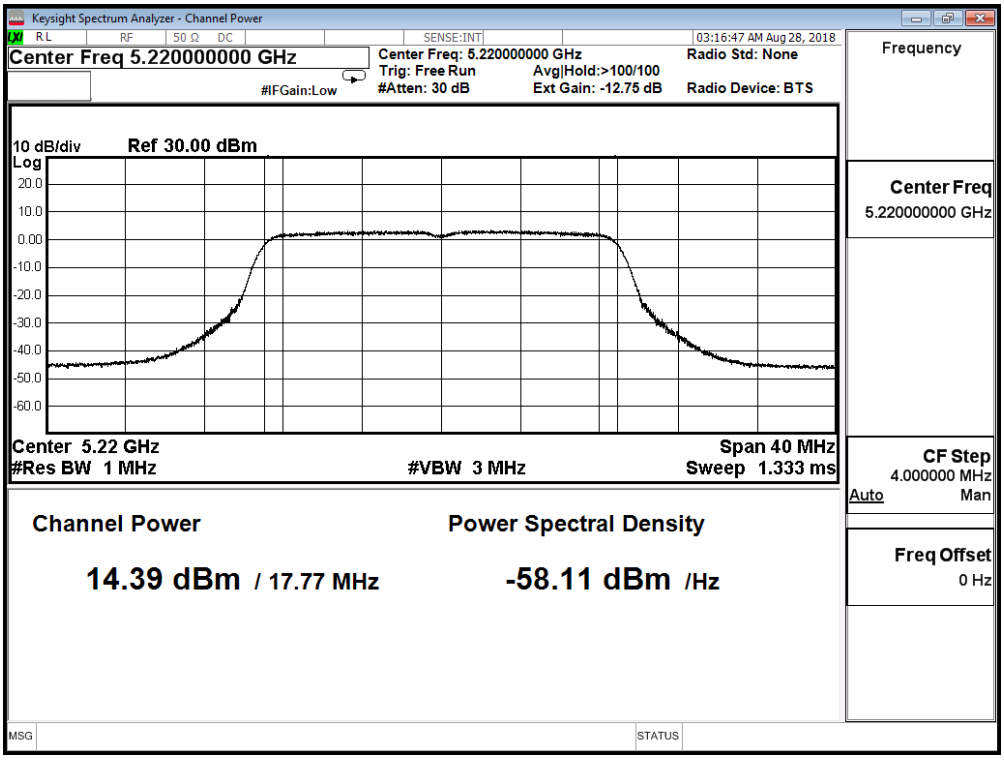
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
36	5180	14.350	--	--	--	--	--	--	--	--	--	≦30
44	5220	14.390	14.250	14.110	13.960	13.820	13.670	13.530	13.380	13.240	13.100	
48	5240	14.330	--	--	--	--	--	--	--	--	--	

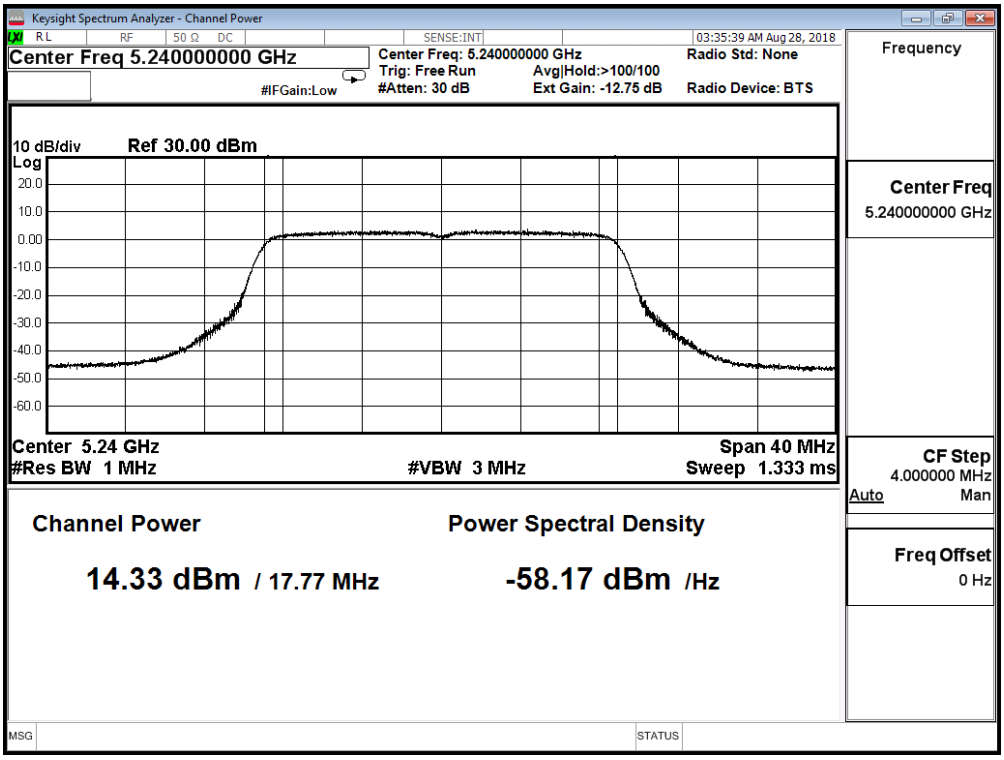
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

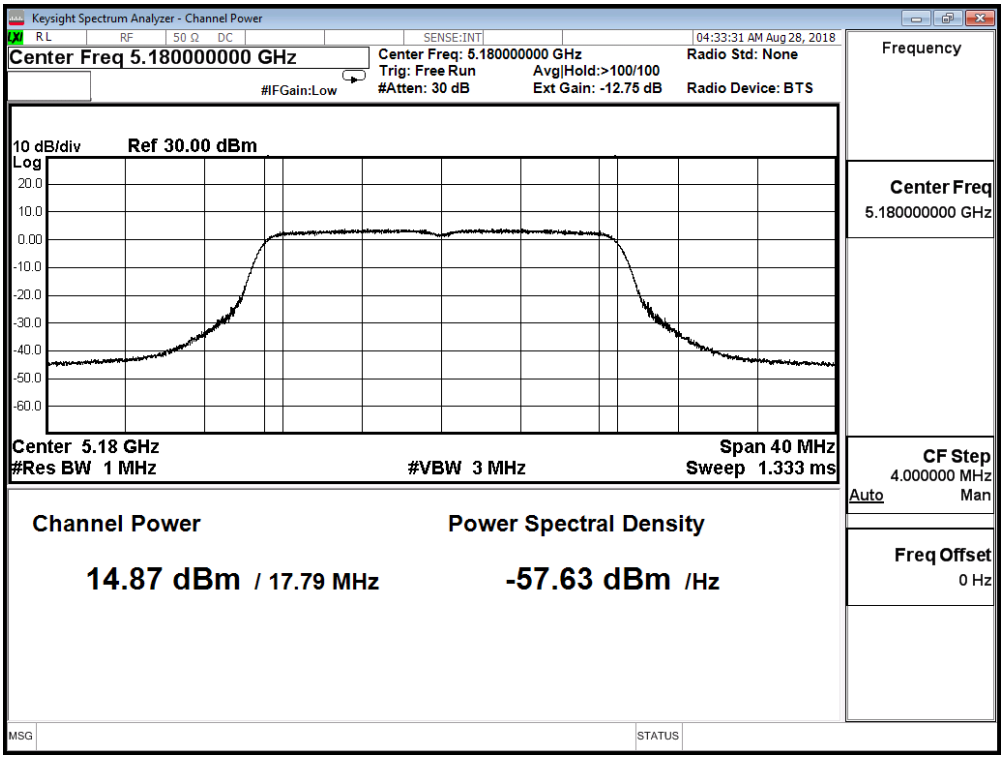
IEEE 802.11ac(20MHz)(ANT 8)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.870	≦30
44	5220	14.710	≦30
48	5240	14.340	≦30

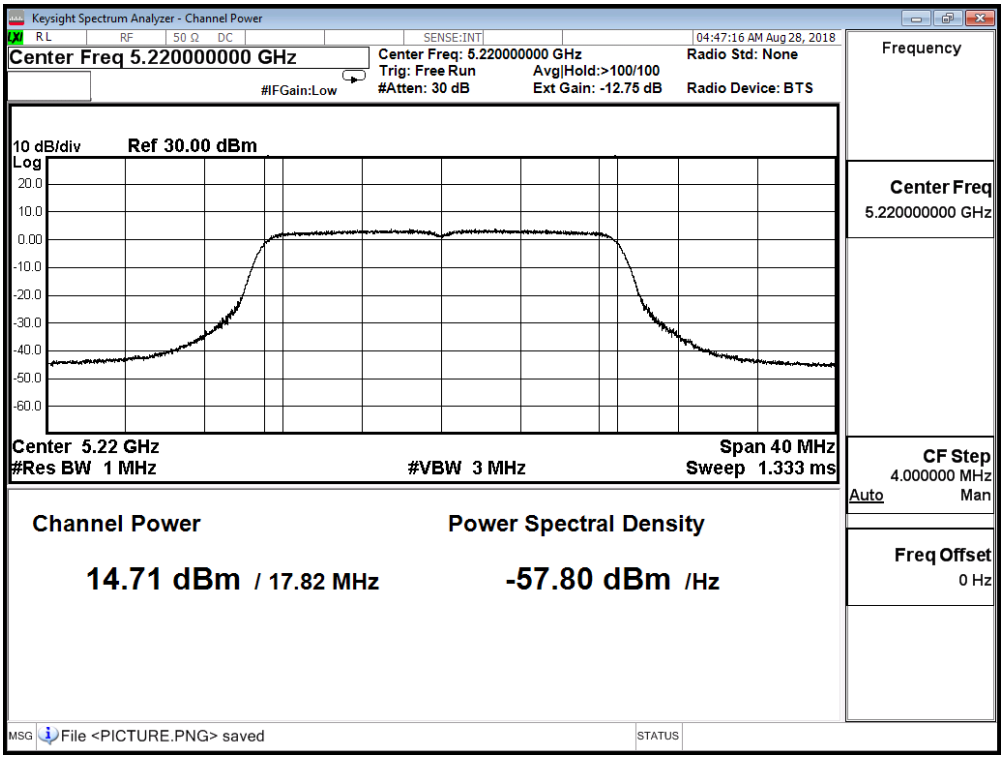
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
36	5180	14.870	--	--	--	--	--	--	--	--	--	≦30
44	5220	14.710	14.560	14.420	14.290	14.150	14.010	13.870	13.720	13.590	13.450	
48	5240	14.340	--	--	--	--	--	--	--	--	--	

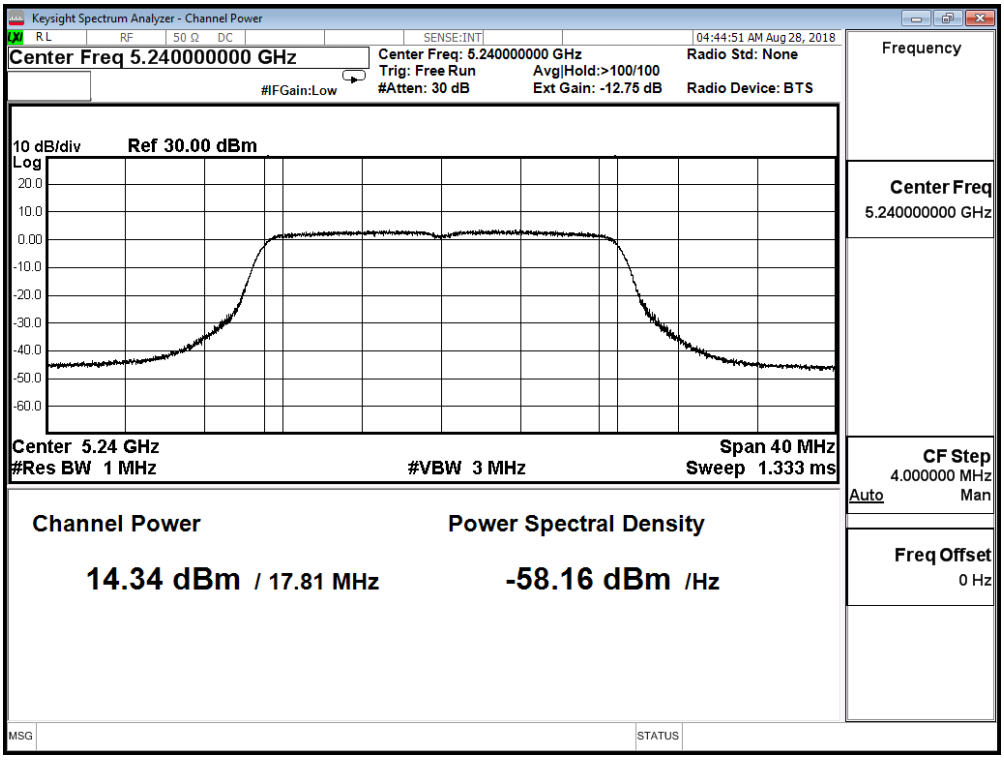
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

IEEE 802.11ac(20MHz)(ANT 0+1+2+3+4+5+6+8)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	23.491	≦30
44	5220	23.293	≦30
48	5240	23.355	≦30

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

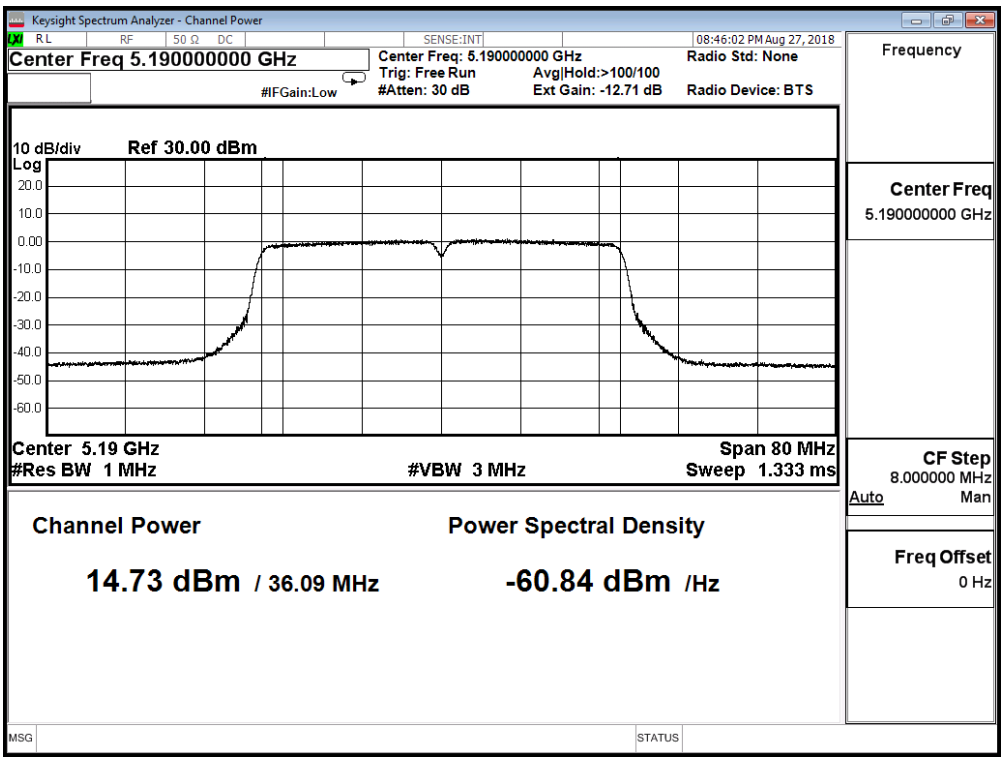
IEEE 802.11ac(40MHz)(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
38	5190	14.730	≦30
46	5230	17.190	≦30

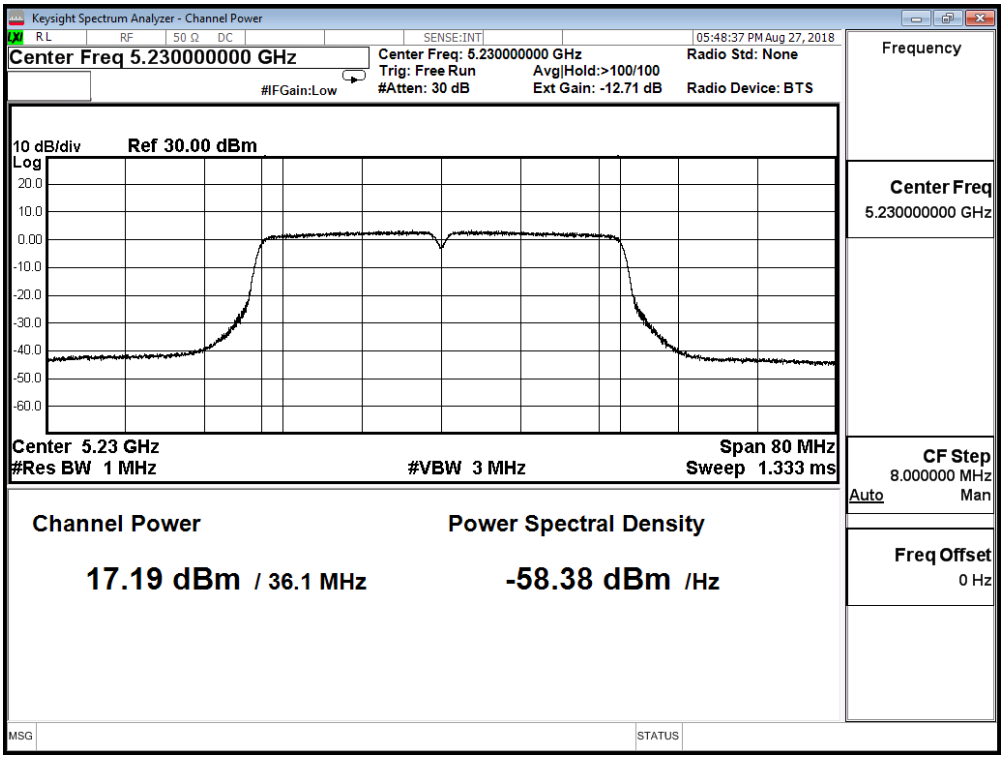
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
38	5190	14.730	--	--	--	--	--	--	--	--	--	≦30
46	5230	17.190	17.060	16.910	16.770	16.640	16.490	16.350	16.220	16.090	15.960	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
05:48:37 PM Aug 27, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
17.19 dBm / 36.1 MHz
Power Spectral Density
-58.38 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

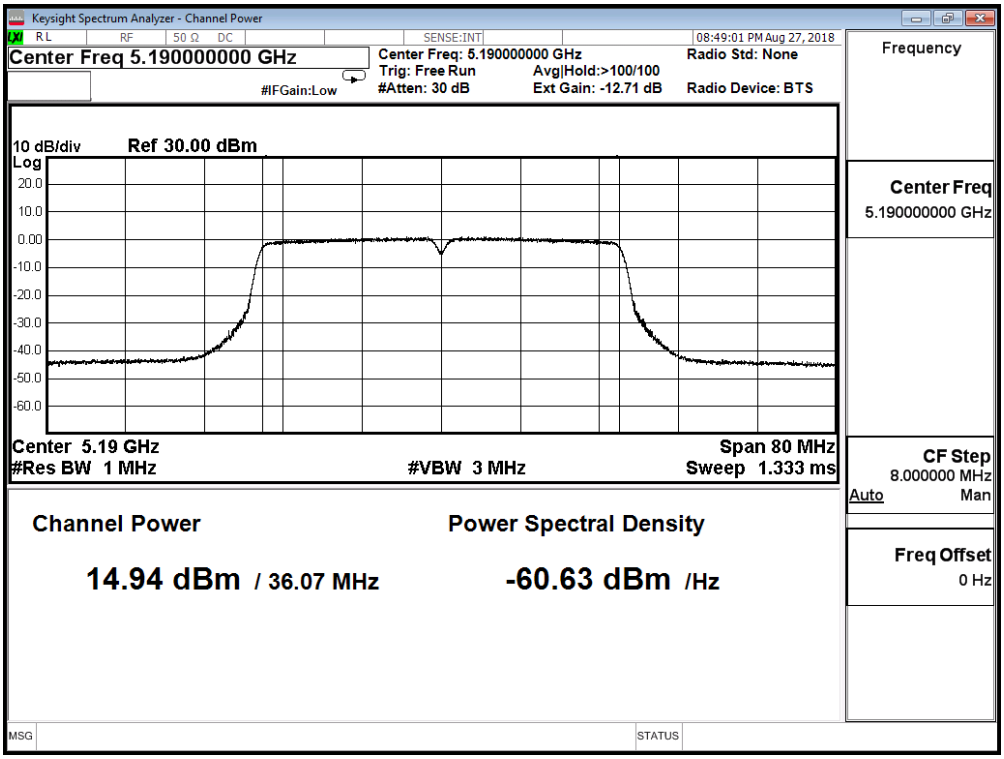
IEEE 802.11ac(40MHz)(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	14.940	≦30
46	5230	17.020	≦30

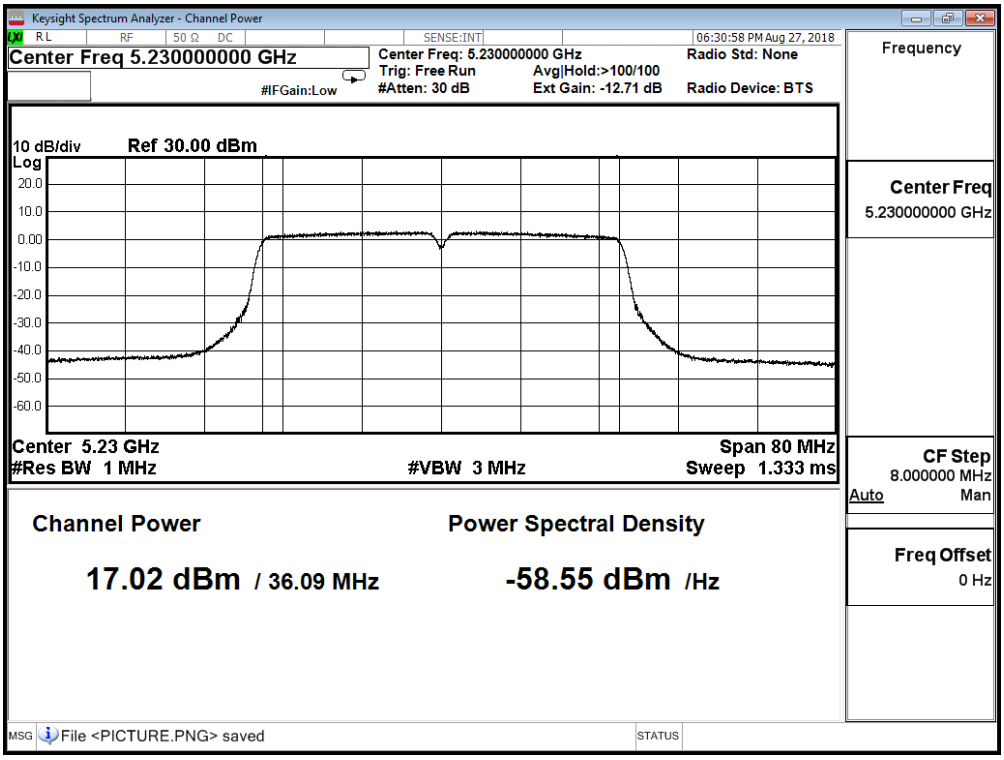
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
38	5190	14.940	--	--	--	--	--	--	--	--	--	≦30
46	5230	17.020	16.880	16.730	16.580	16.440	16.300	16.170	16.040	15.890	15.760	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
06:30:58 PM Aug 27, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
17.02 dBm / 36.09 MHz
Power Spectral Density
-58.55 dBm /Hz
Freq Offset
0 Hz
MSG
File <PICTURE.PNG> saved
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

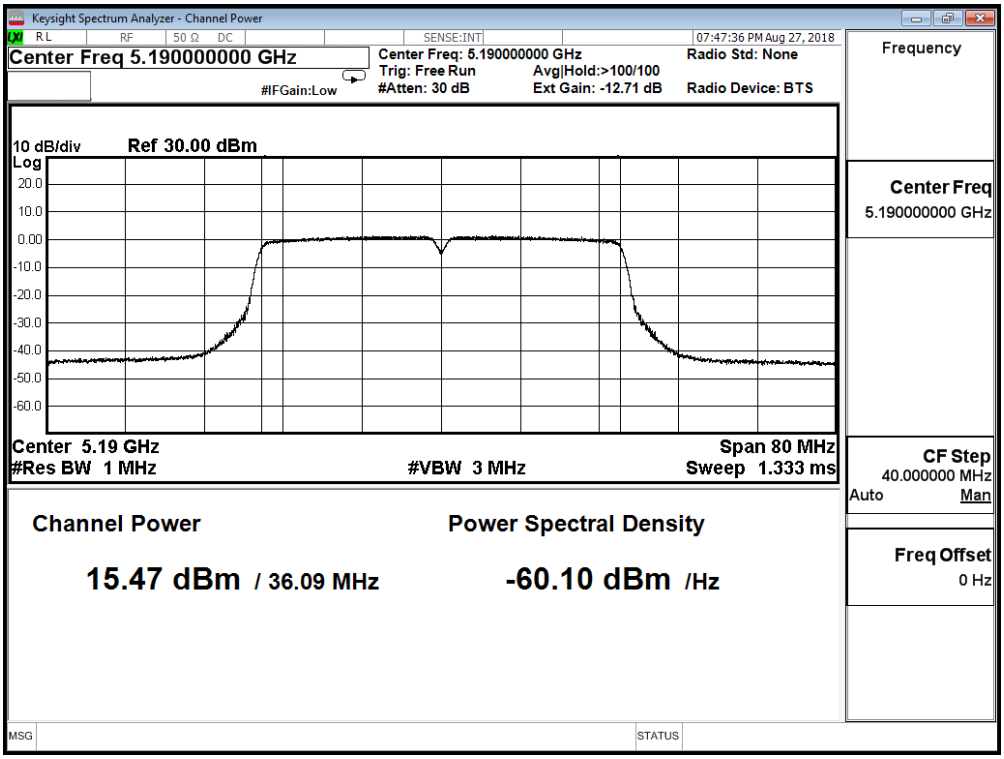
IEEE 802.11ac(40MHz)(ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	15.470	≦30
46	5230	18.070	≦30

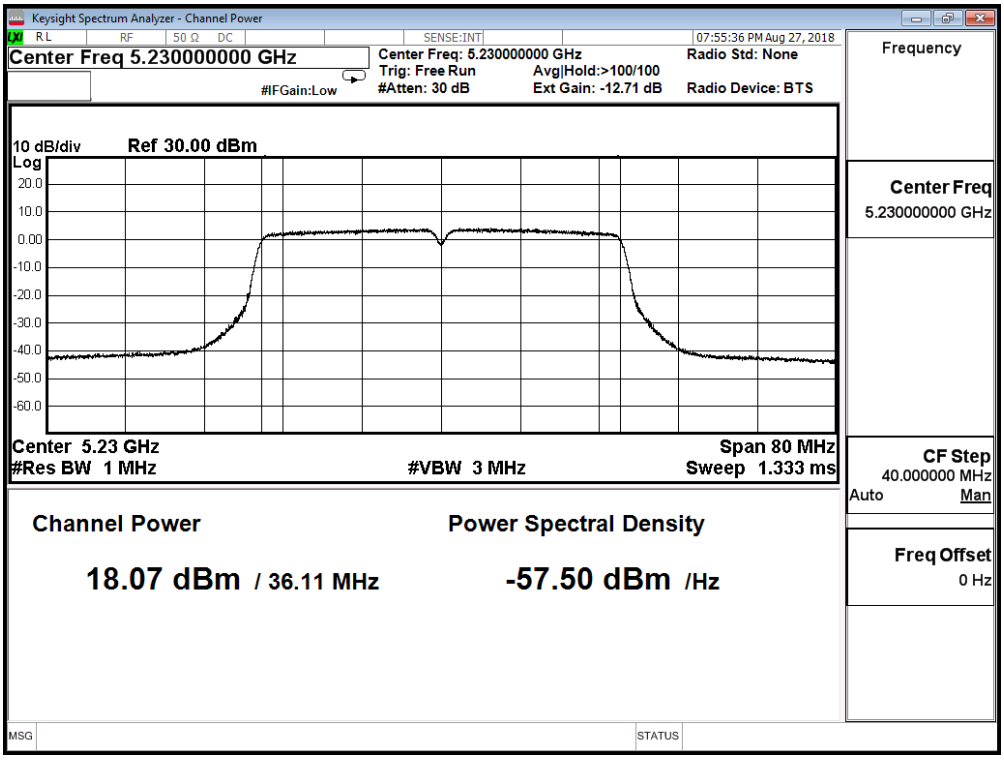
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
38	5190	15.470	--	--	--	--	--	--	--	--	--	≦30
46	5230	18.070	17.930	17.800	17.660	17.520	17.370	17.230	17.080	16.950	16.810	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
07:55:36 PM Aug 27, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
40.000000 MHz
Auto
Man
Channel Power
18.07 dBm / 36.11 MHz
Power Spectral Density
-57.50 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

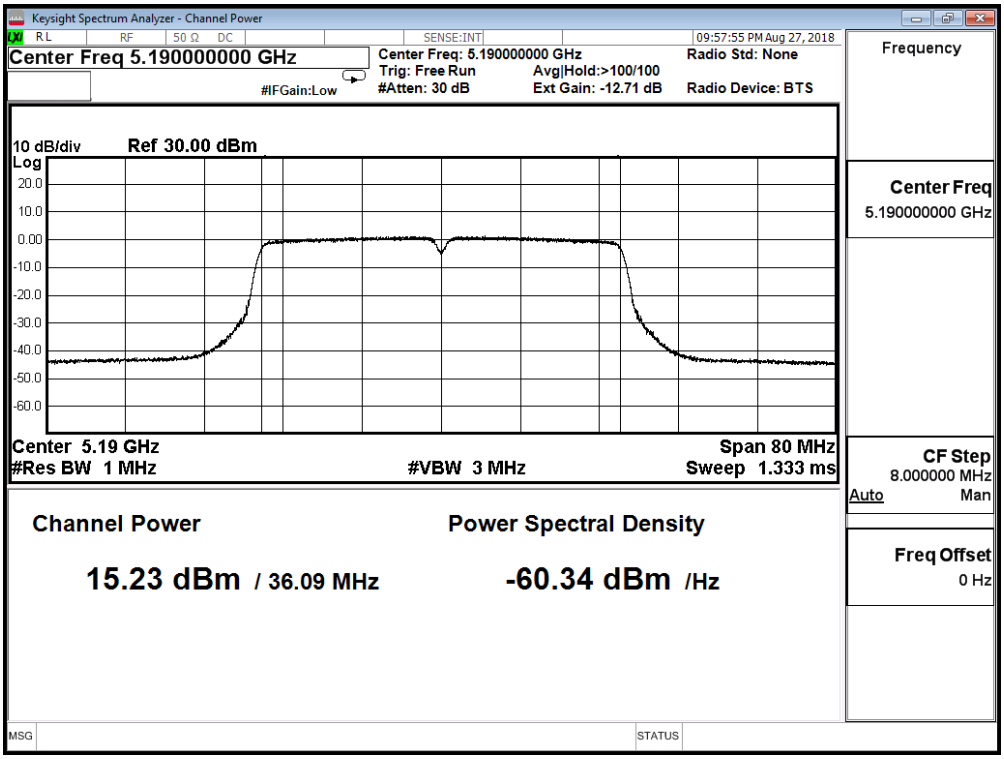
IEEE 802.11ac(40MHz)(ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	15.230	≦30
46	5230	16.860	≦30

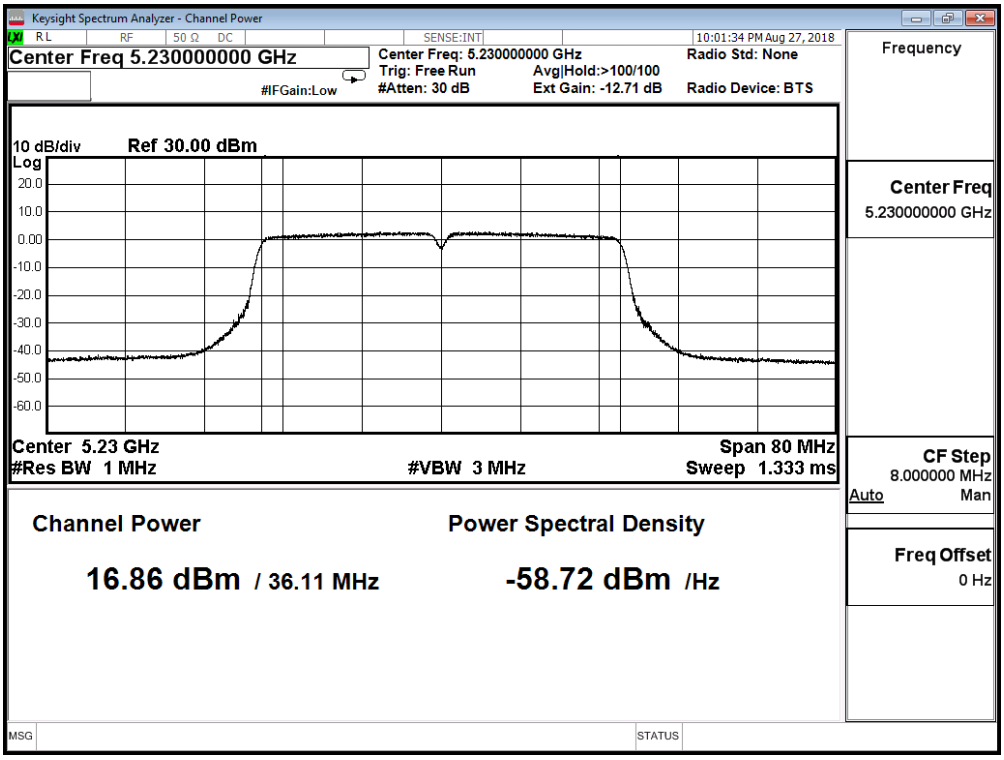
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
38	5190	15.230	--	--	--	--	--	--	--	--	--	≦30
46	5230	16.860	16.720	16.580	16.440	16.290	16.140	15.990	15.850	15.720	15.580	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
10:01:34 PM Aug 27, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
16.86 dBm / 36.11 MHz
Power Spectral Density
-58.72 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

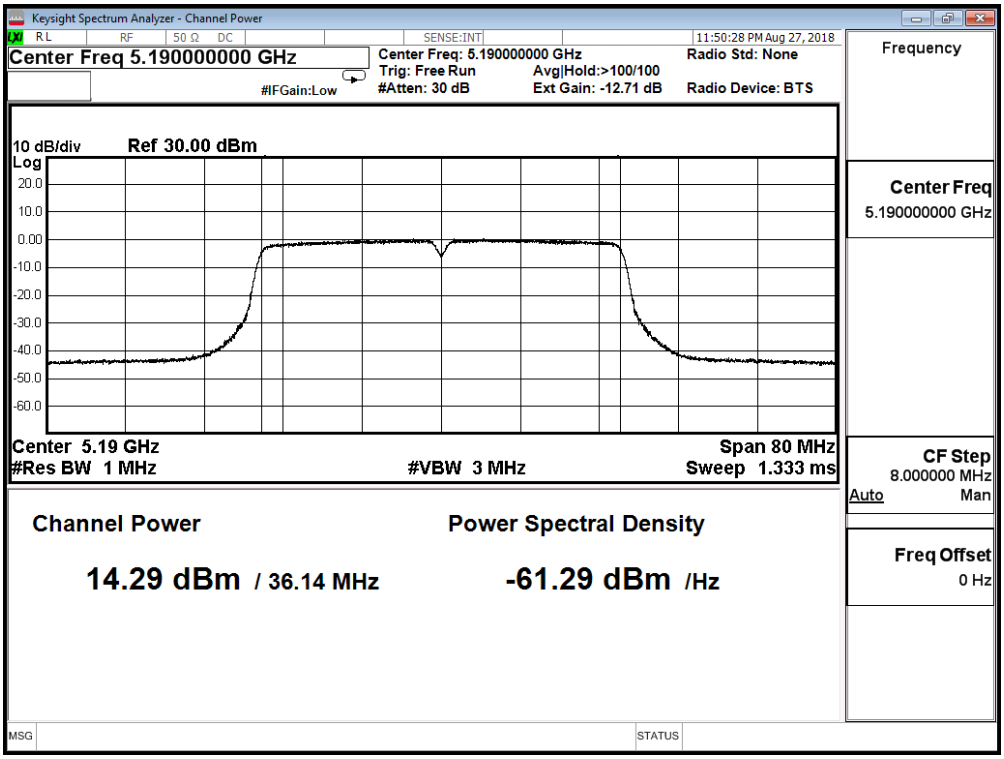
IEEE 802.11ac(40MHz)(ANT 4)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	14.290	≦30
46	5230	16.630	≦30

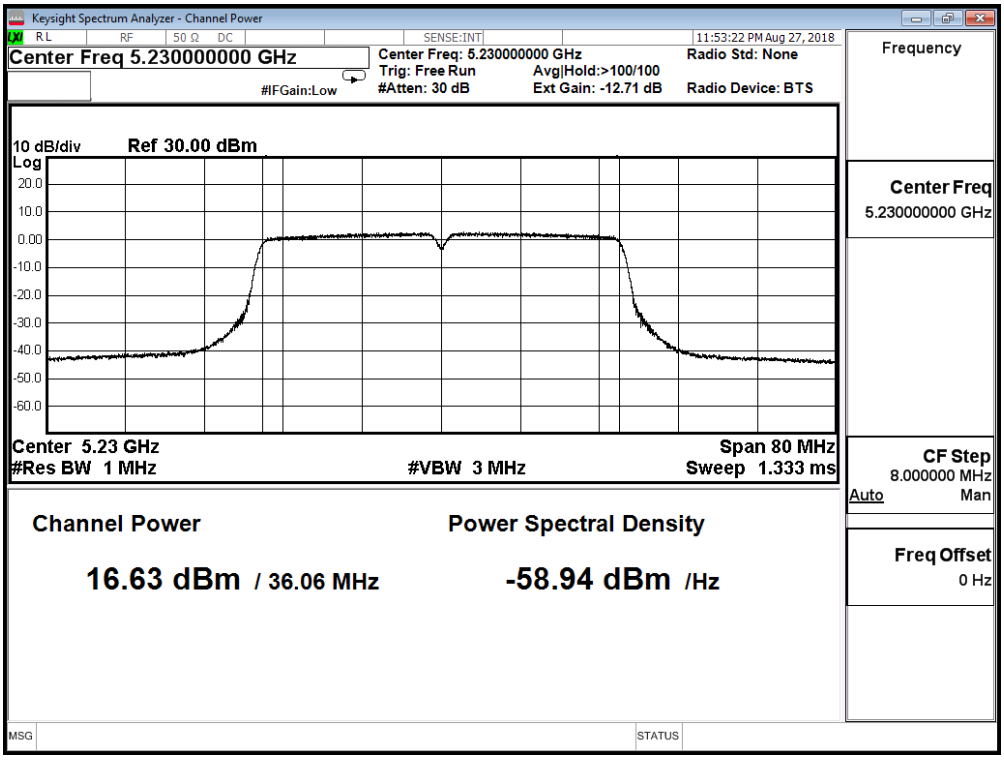
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
38	5190	14.290	--	--	--	--	--	--	--	--	--	≦30
46	5230	16.630	16.490	16.350	16.200	16.060	15.920	15.780	15.640	15.500	15.360	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
11:53:22 PM Aug 27, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
16.63 dBm / 36.06 MHz
Power Spectral Density
-58.94 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

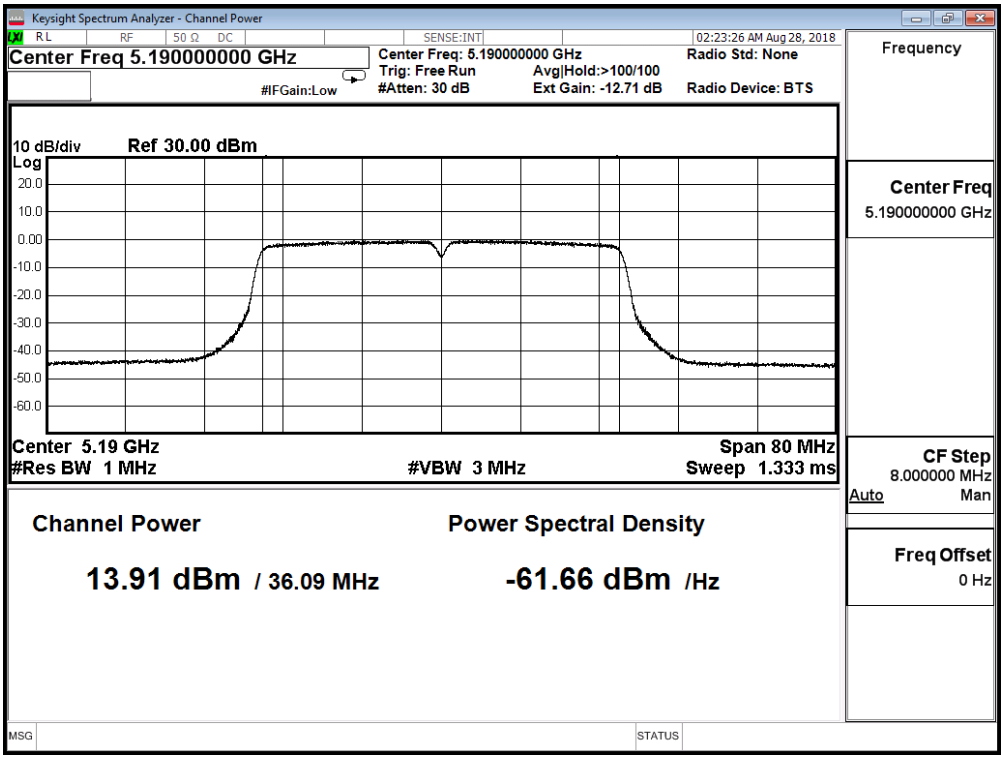
IEEE 802.11ac(40MHz)(ANT 5)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	13.910	≦30
46	5230	16.710	≦30

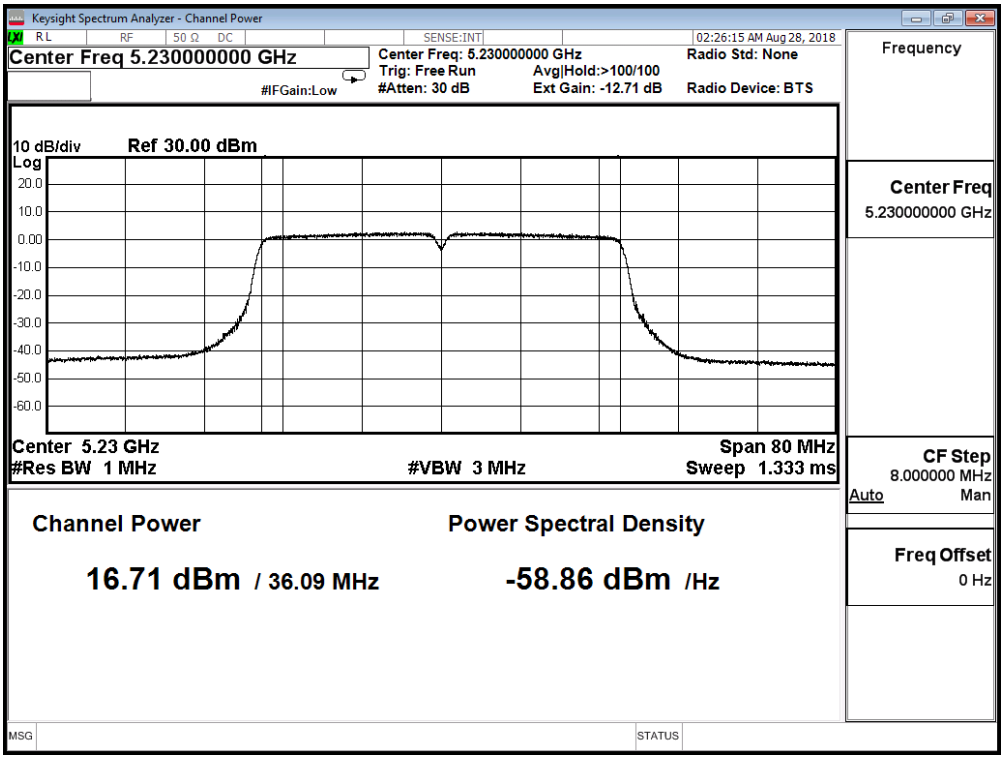
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
38	5190	13.910	--	--	--	--	--	--	--	--	--	≦30
46	5230	16.710	16.570	16.430	16.300	16.160	16.010	15.870	15.720	15.590	15.440	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
02:26:15 AM Aug 28, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
16.71 dBm / 36.09 MHz
Power Spectral Density
-58.86 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

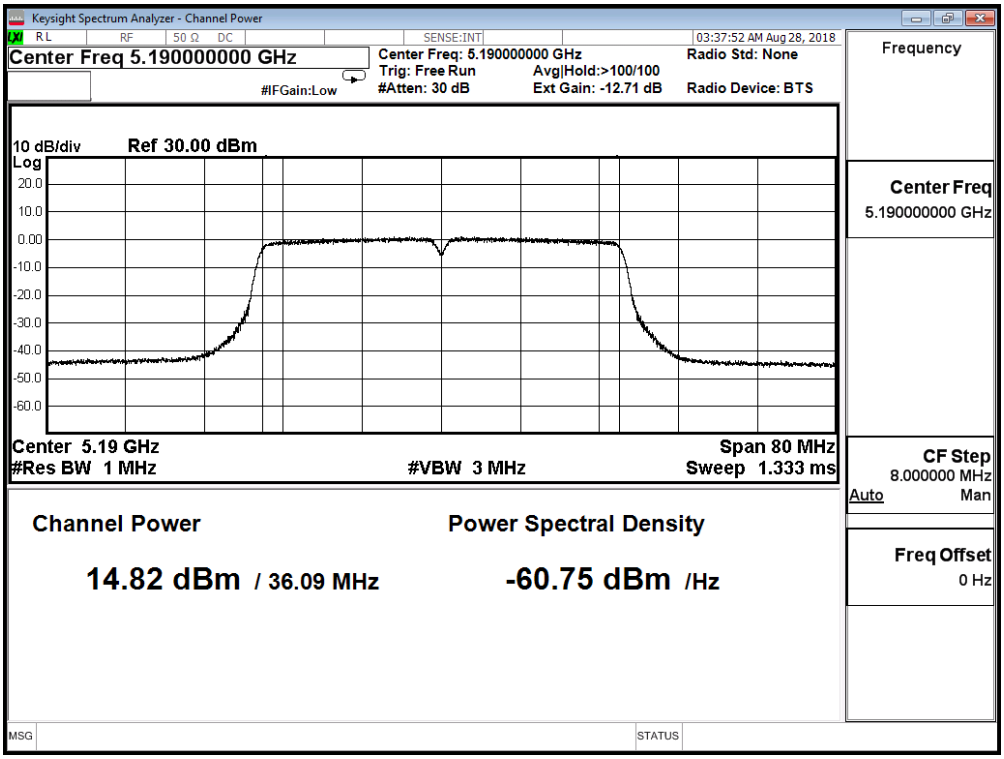
IEEE 802.11ac(40MHz)(ANT 6)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	14.820	≦30
46	5230	17.160	≦30

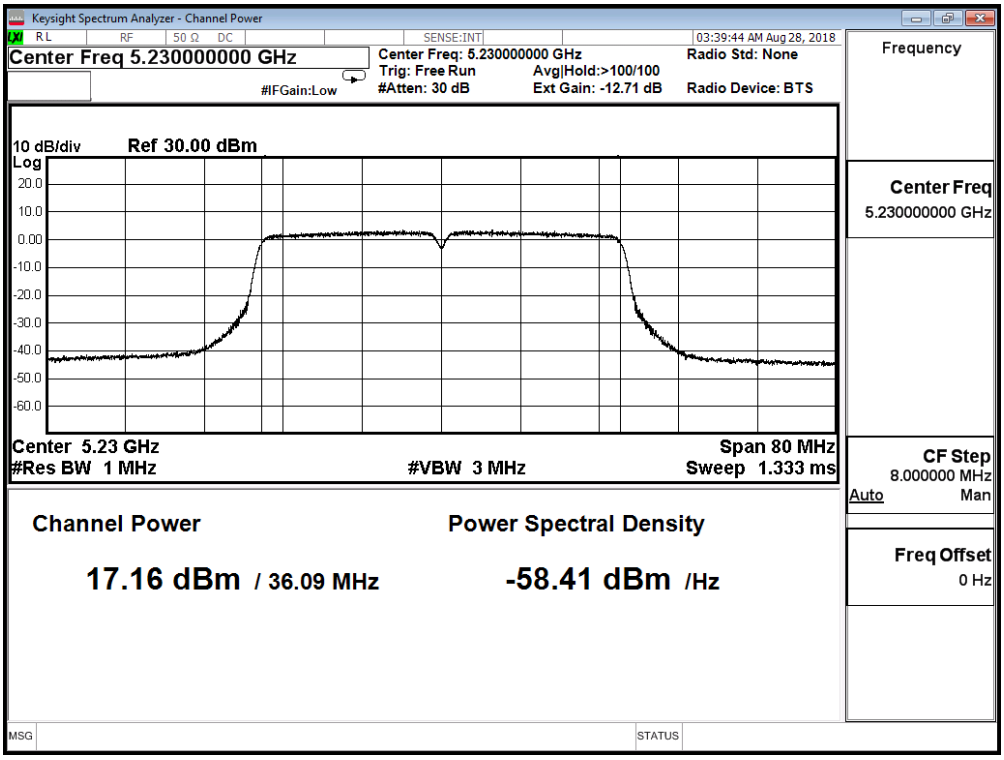
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
38	5190	14.820	--	--	--	--	--	--	--	--	--	≦30
46	5230	17.160	17.010	16.860	16.720	16.570	16.430	16.290	16.160	16.020	15.880	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
03:39:44 AM Aug 28, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
17.16 dBm / 36.09 MHz
Power Spectral Density
-58.41 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

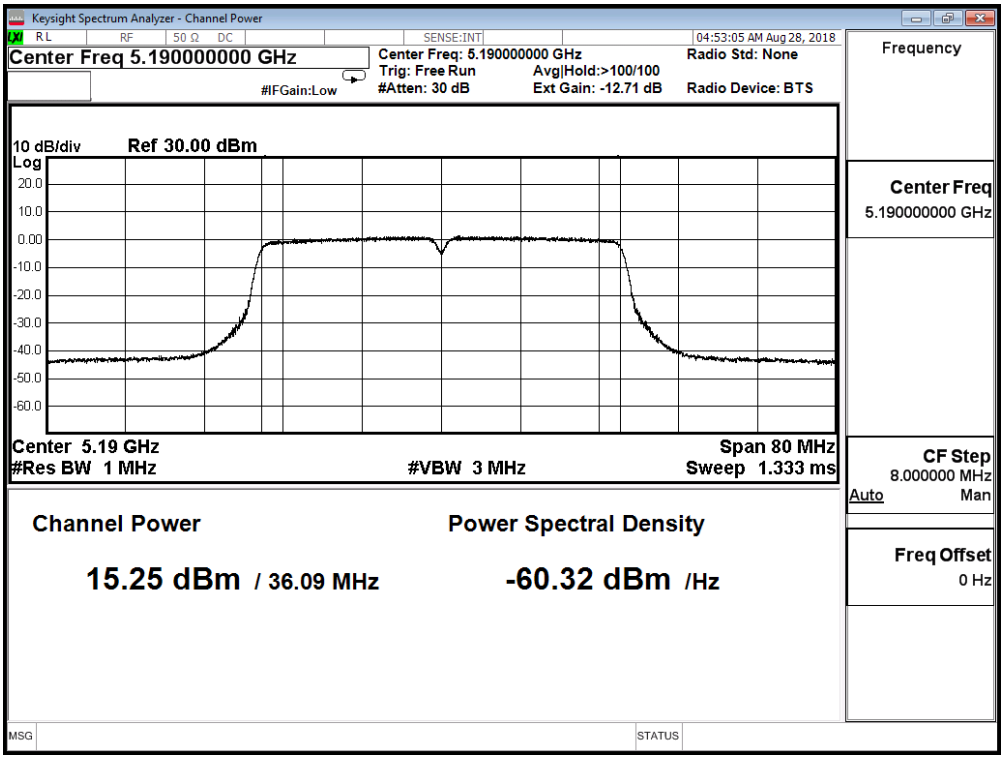
IEEE 802.11ac(40MHz)(ANT 8)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	15.250	≦30
46	5230	18.180	≦30

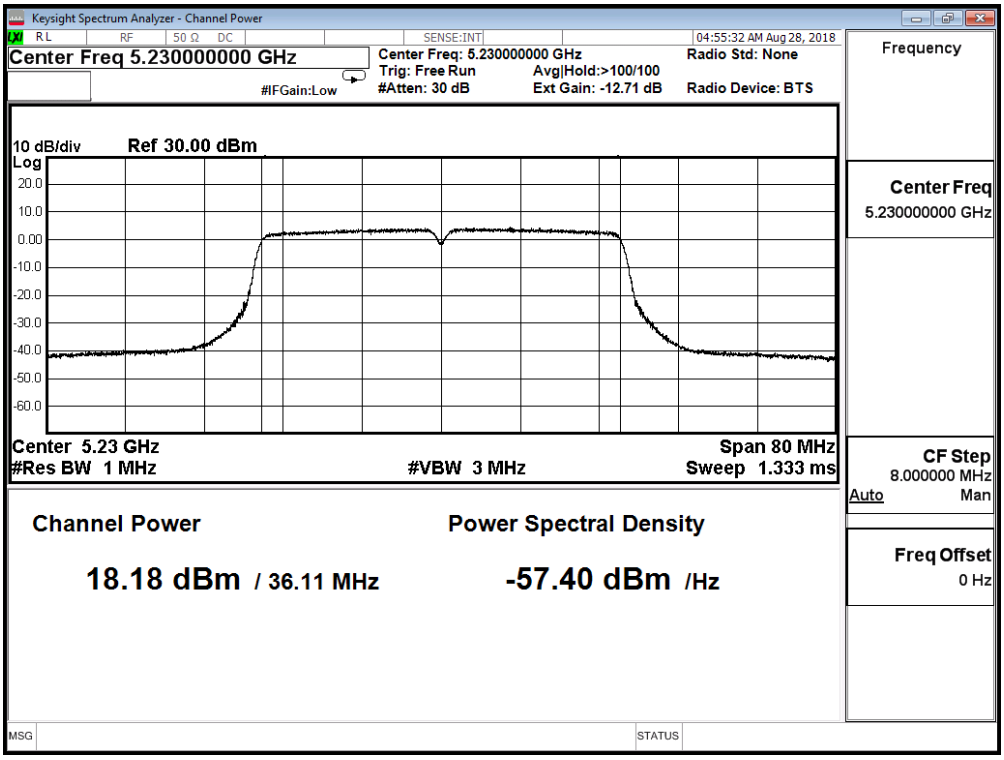
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
38	5190	15.250	--	--	--	--	--	--	--	--	--	≦30
46	5230	18.180	18.080	17.930	17.650	17.330	17.020	16.570	16.320	15.770	14.960	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
04:55:32 AM Aug 28, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
18.18 dBm / 36.11 MHz
Power Spectral Density
-57.40 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	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	23.888	≦30
46	5230	26.294	≦30

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

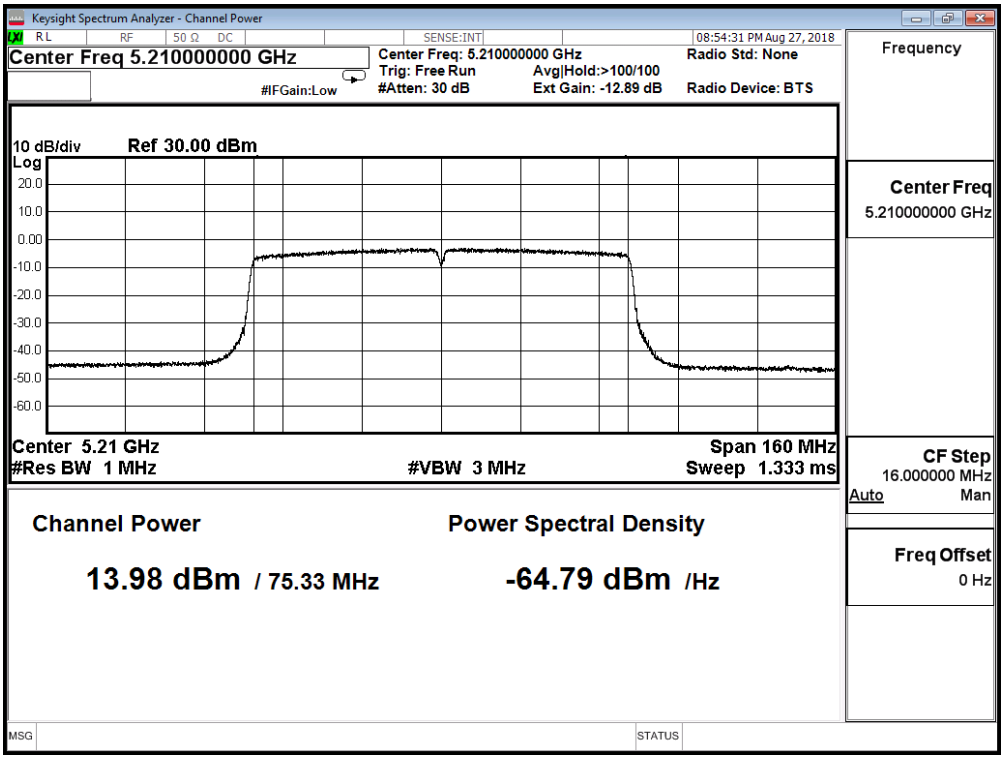
IEEE 802.11ac(80MHz)(ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	13.980	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
42	5210	13.980	13.850	13.710	13.570	13.430	13.300	13.160	13.030	12.880	12.730	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

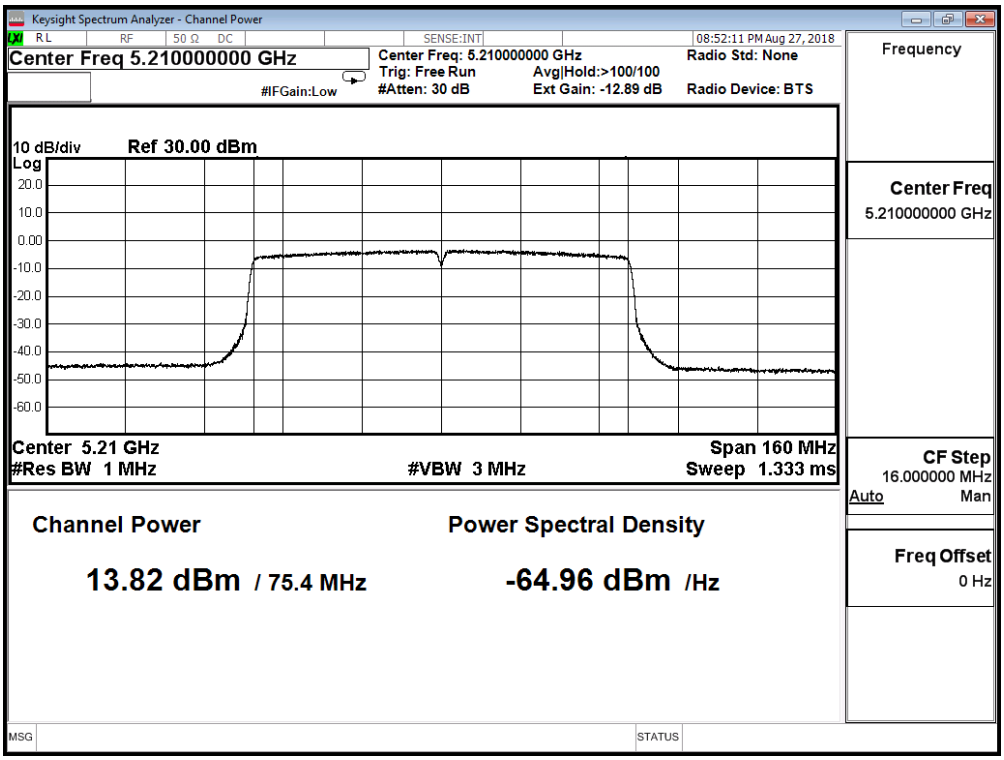
IEEE 802.11ac(80MHz)(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	13.820	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
42	5210	13.820	13.680	13.530	13.390	13.250	13.080	12.940	12.790	12.650	12.520	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

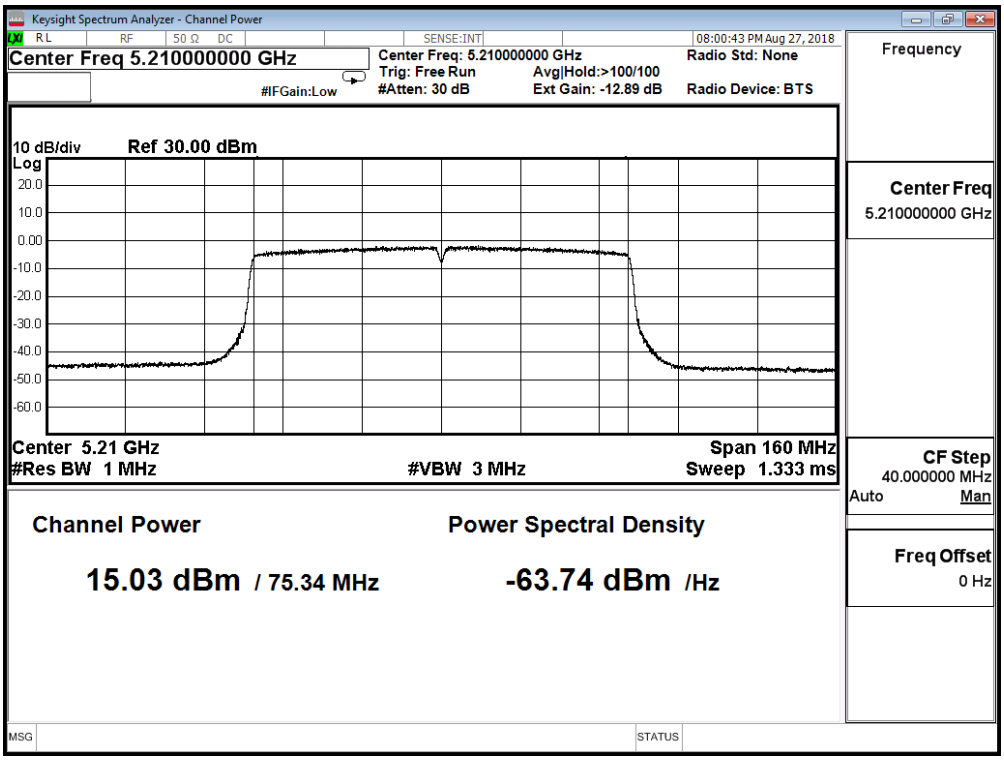
IEEE 802.11ac(80MHz)(ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	15.030	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
42	5210	15.030	14.900	14.770	14.630	14.440	14.300	14.170	13.990	13.840	13.690	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

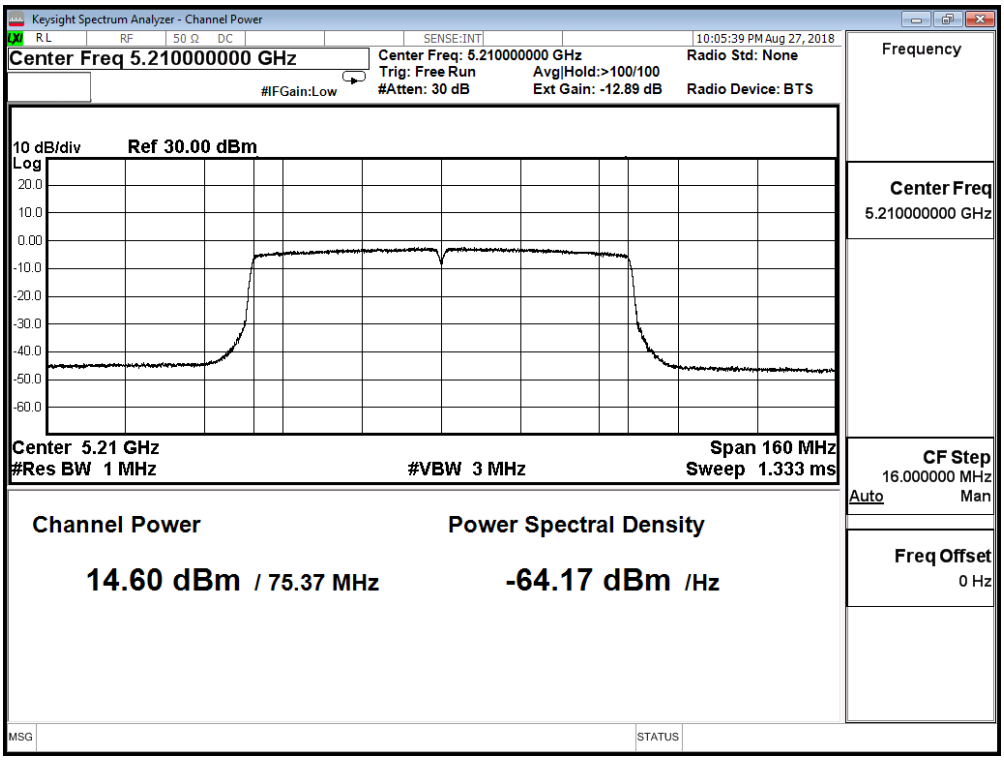
IEEE 802.11ac(80MHz)(ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	14.600	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
42	5210	14.600	14.460	14.320	14.190	14.040	13.910	13.760	13.630	13.490	13.350	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

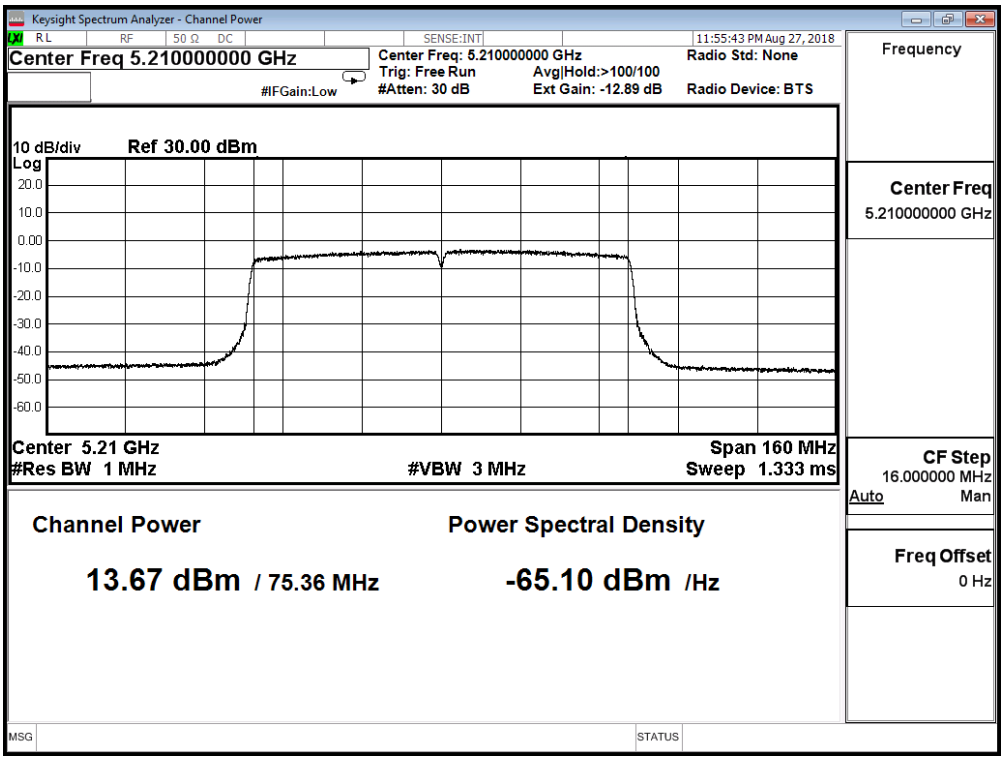
IEEE 802.11ac(80MHz)(ANT 4)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	13.670	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
42	5210	13.670	13.530	13.400	13.250	13.110	12.970	12.820	12.680	12.540	12.410	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

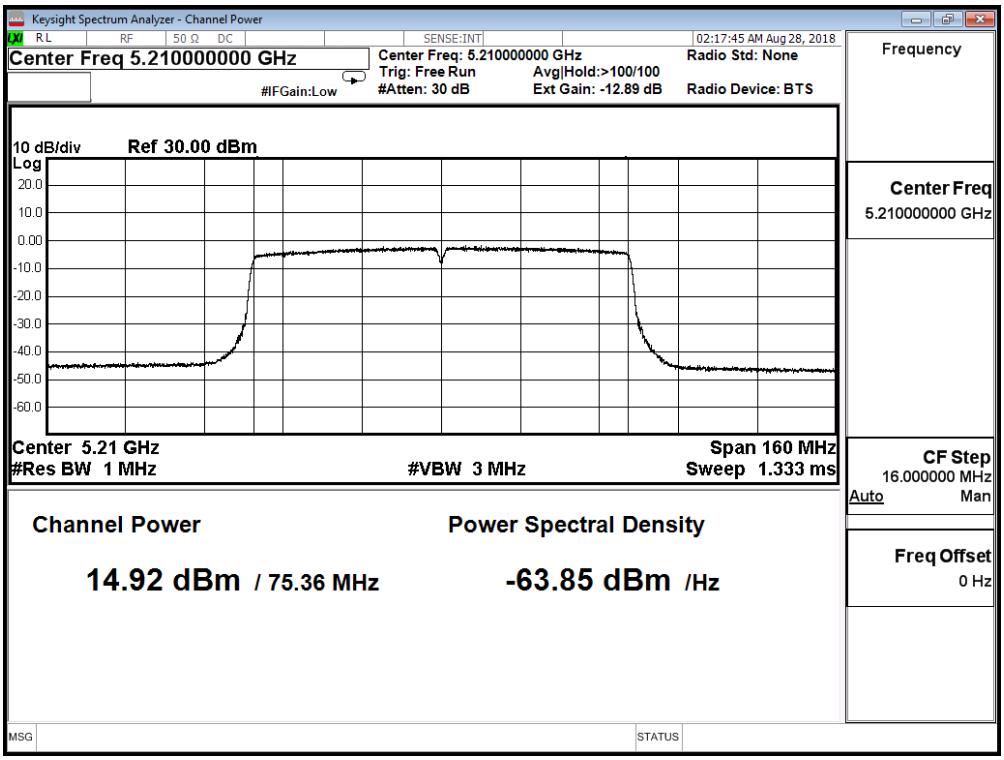
IEEE 802.11ac(80MHz)(ANT 5)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	14.920	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
42	5210	14.920	14.780	14.640	14.510	14.370	14.210	14.070	13.960	13.810	13.690	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

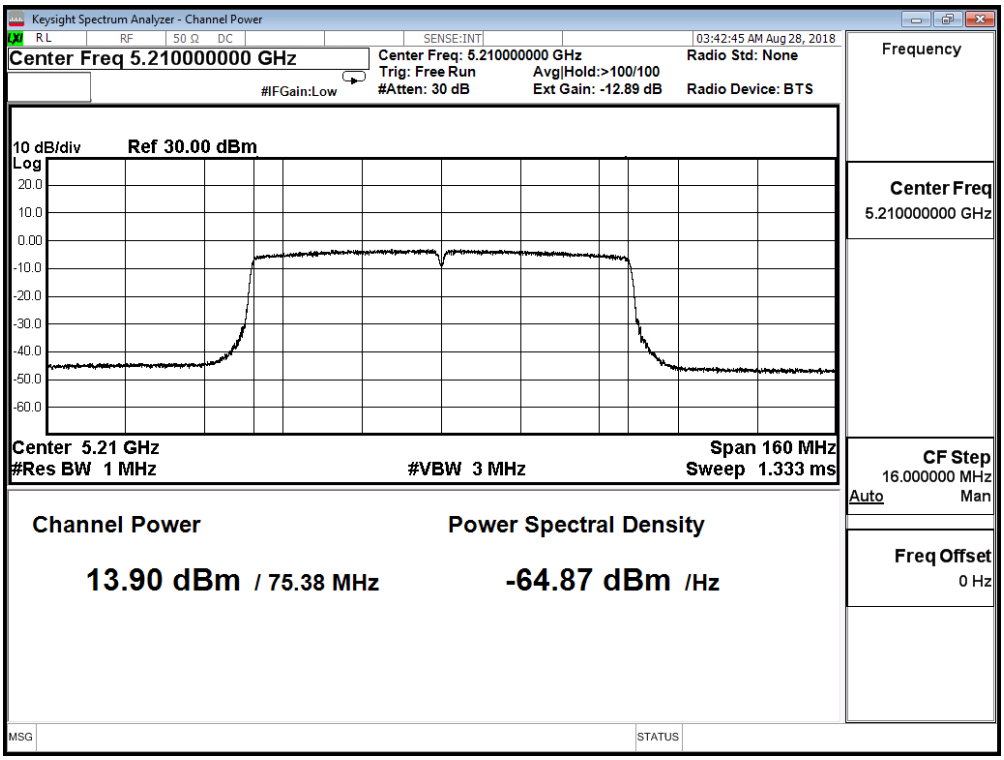
IEEE 802.11ac(80MHz)(ANT 6)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	13.900	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
42	5210	13.900	13.770	13.620	13.470	13.320	13.190	13.060	12.920	12.770	12.630	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

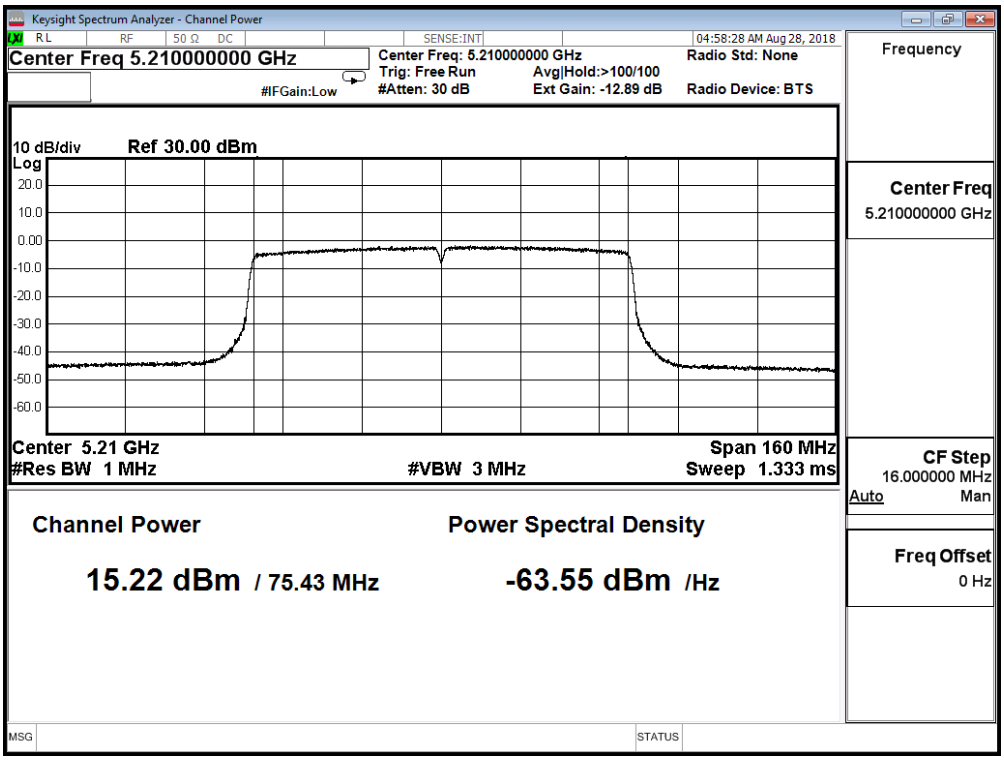
IEEE 802.11ac(80MHz)(ANT 8)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	15.220	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
42	5210	15.220	15.070	14.920	14.770	14.620	14.480	14.350	14.220	14.090	13.950	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	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	23.462	≦30

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

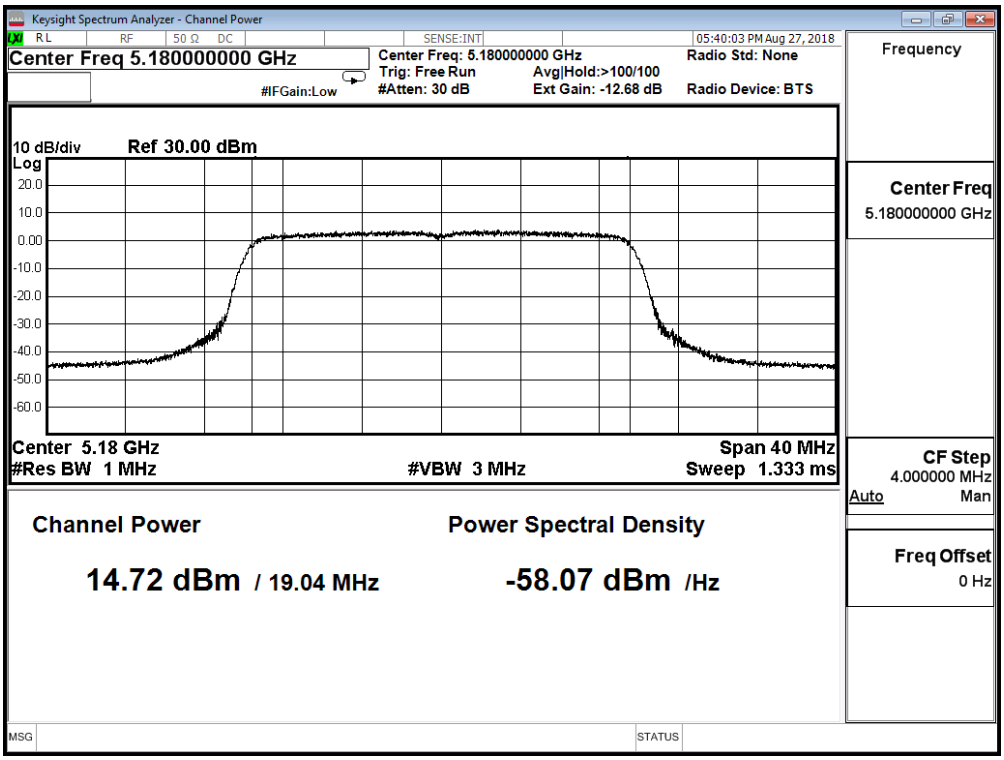
IEEE 802.11ax(20MHz)(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.720	≦30
44	5220	14.940	≦30
48	5240	15.090	≦30

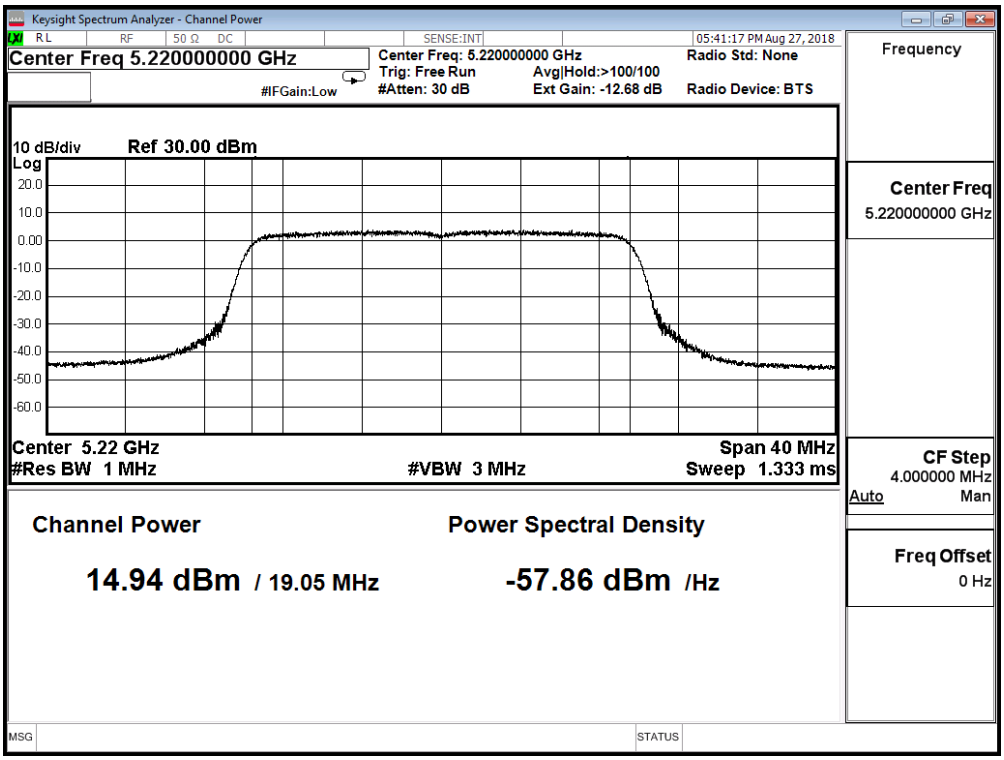
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
36	5180	14.720	--	--	--	--	--	--	--	--	--	--	--	≦30
44	5220	14.940	14.800	14.660	14.530	14.380	14.240	14.090	13.950	13.810	13.670	13.540	13.390	
48	5240	15.090	--	--	--	--	--	--	--	--	--	--	--	

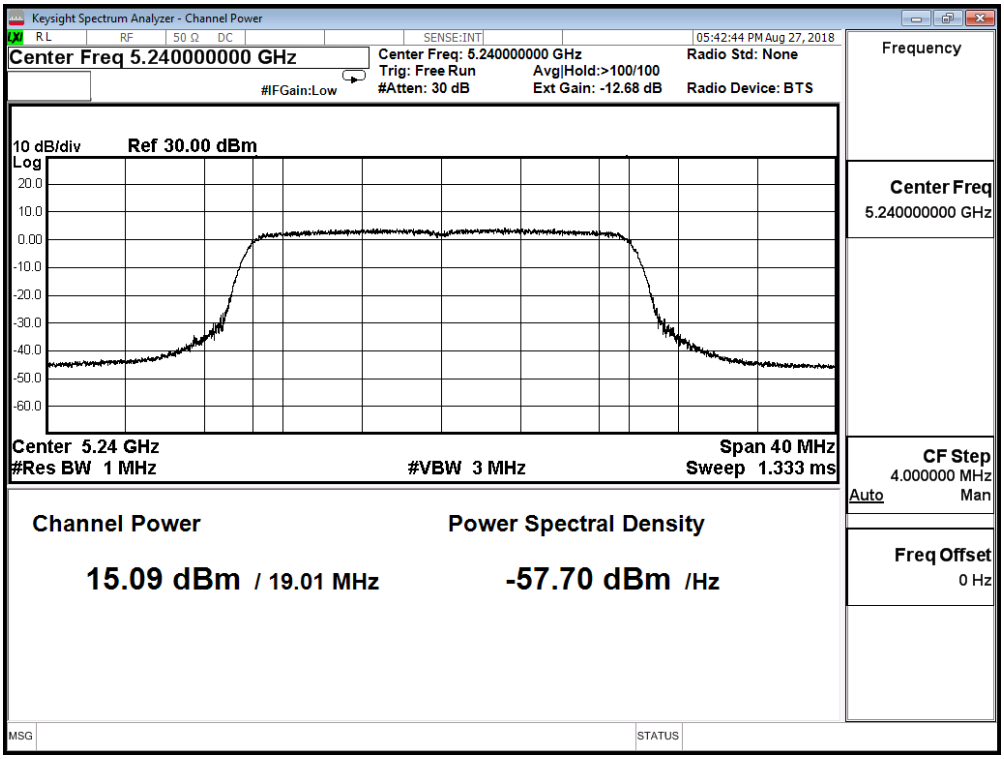
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

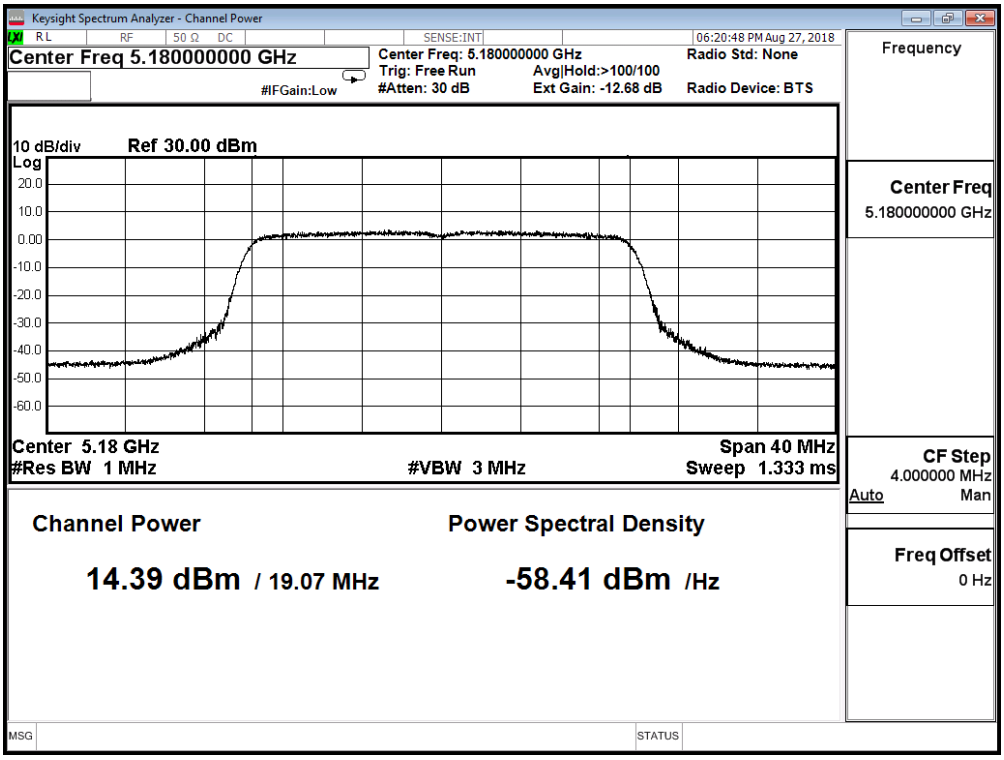
IEEE 802.11ax(20MHz)(ANT1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.390	≦30
44	5220	13.750	≦30
48	5240	14.010	≦30

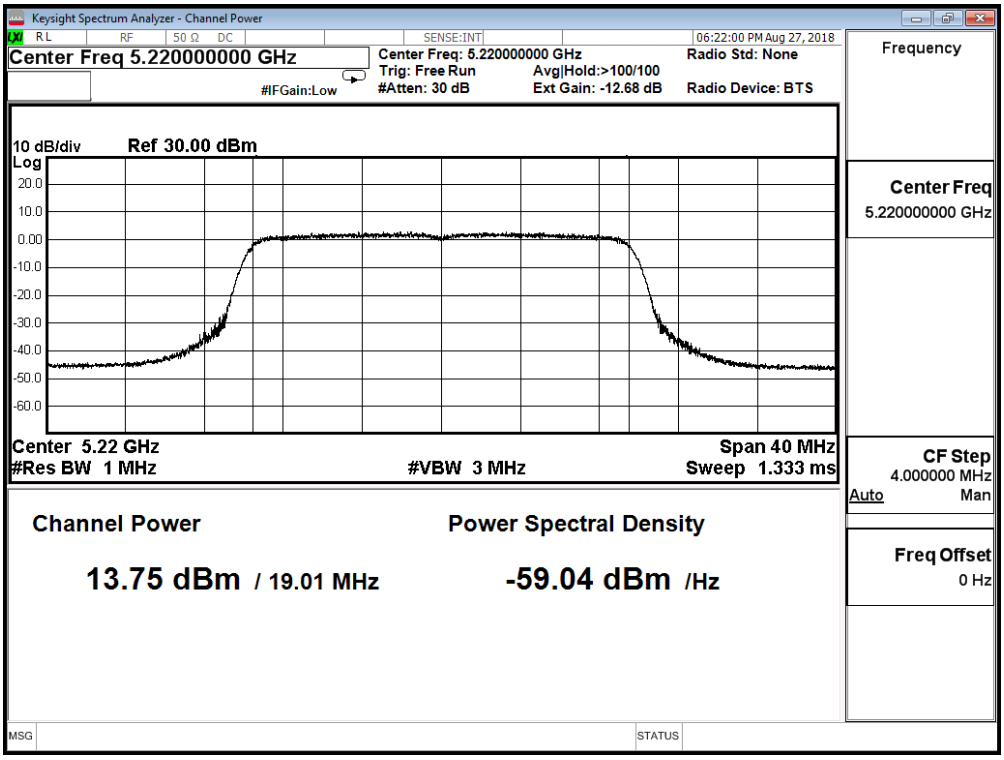
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
36	5180	14.390	--	--	--	--	--	--	--	--	--	--	--	≦30
44	5220	13.750	13.610	13.480	13.340	13.200	13.070	12.930	12.780	12.650	12.500	12.350	12.210	
48	5240	14.010	--	--	--	--	--	--	--	--	--	--	--	

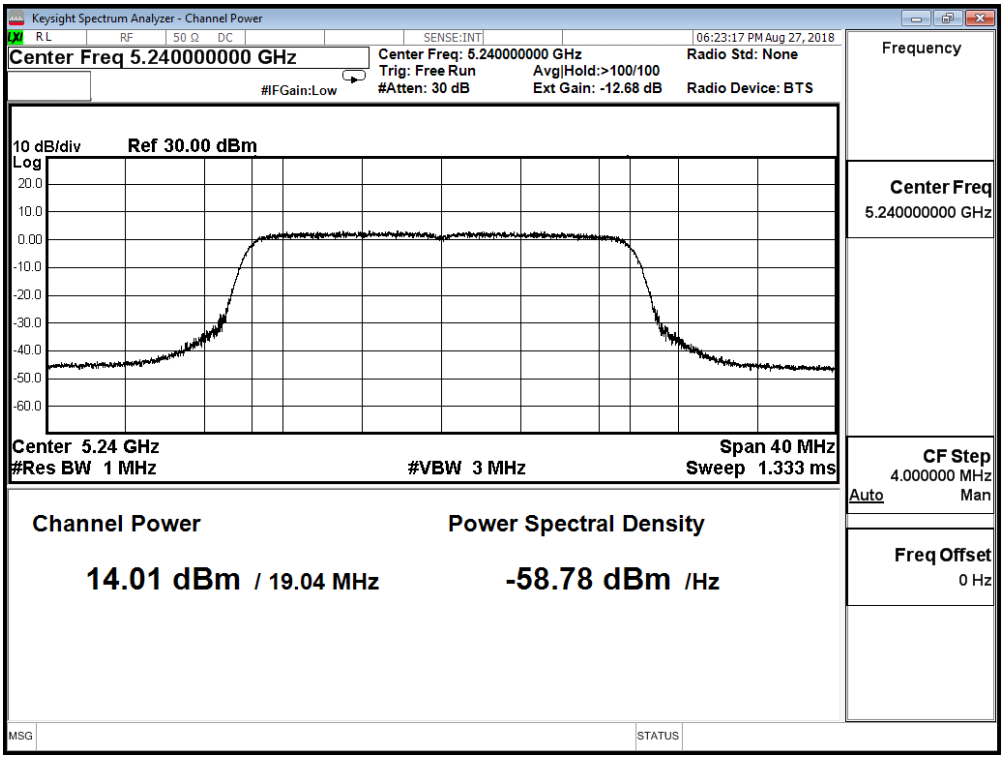
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

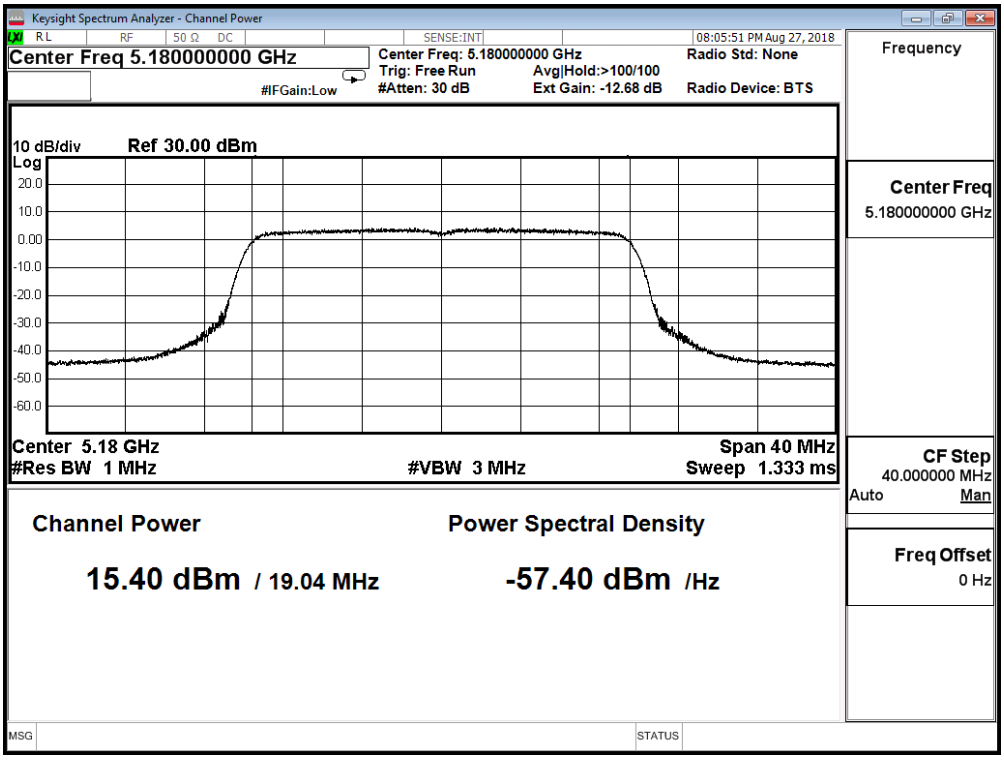
IEEE 802.11ax(20MHz)(ANT2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	15.400	≦30
44	5220	15.300	≦30
48	5240	15.230	≦30

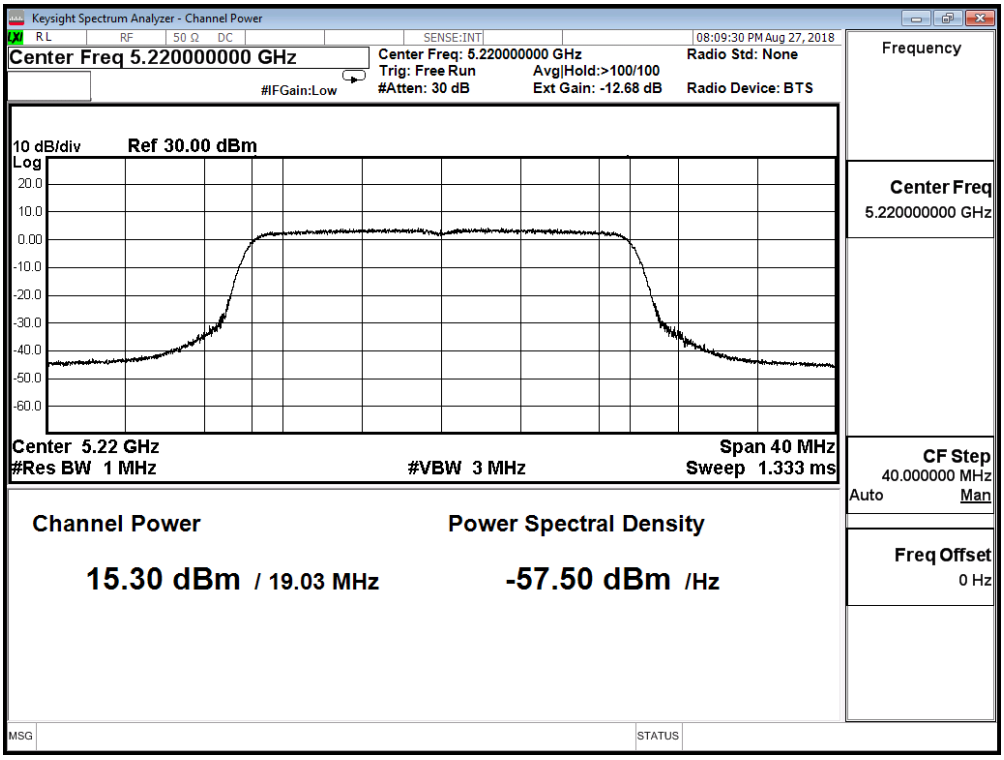
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
36	5180	15.400	--	--	--	--	--	--	--	--	--	--	--	≦30
44	5220	15.300	15.170	15.030	14.890	14.750	14.610	14.460	14.330	14.180	14.050	13.910	13.770	
48	5240	15.230	--	--	--	--	--	--	--	--	--	--	--	

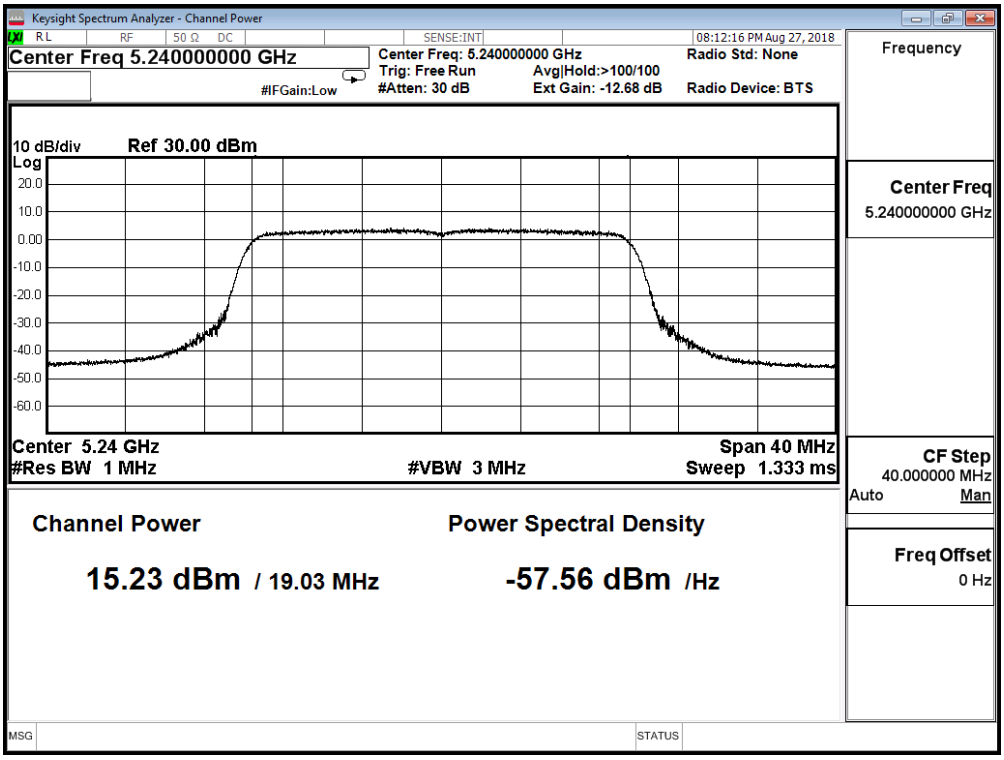
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

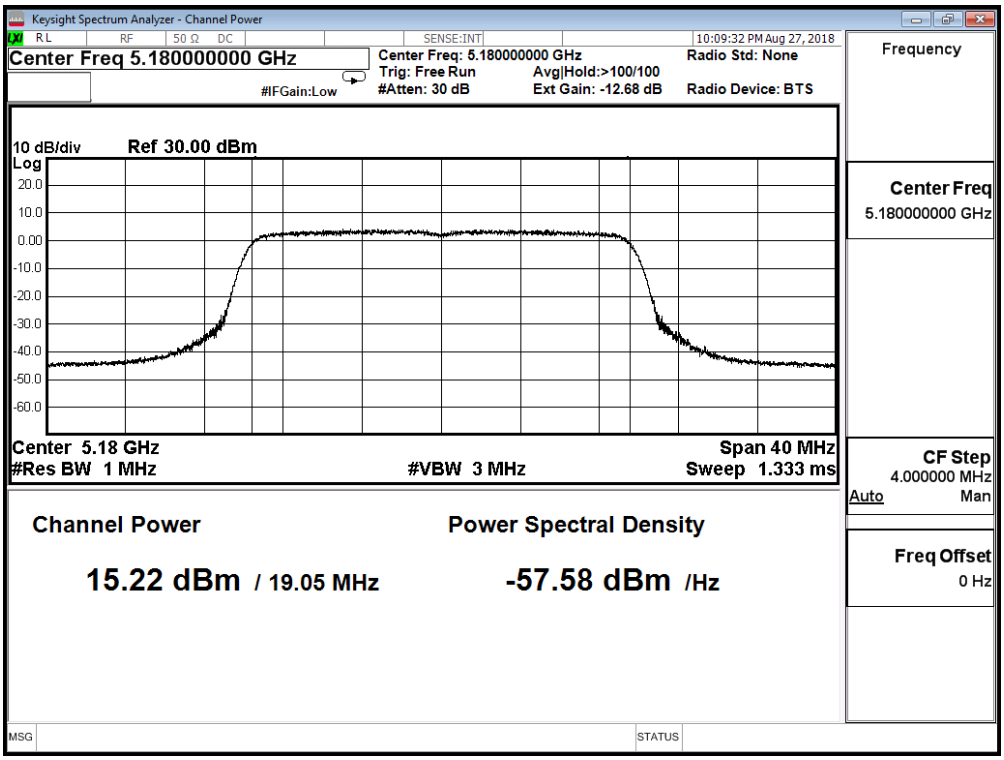
IEEE 802.11ax(20MHz)(ANT3)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	15.220	≦30
44	5220	14.690	≦30
48	5240	14.260	≦30

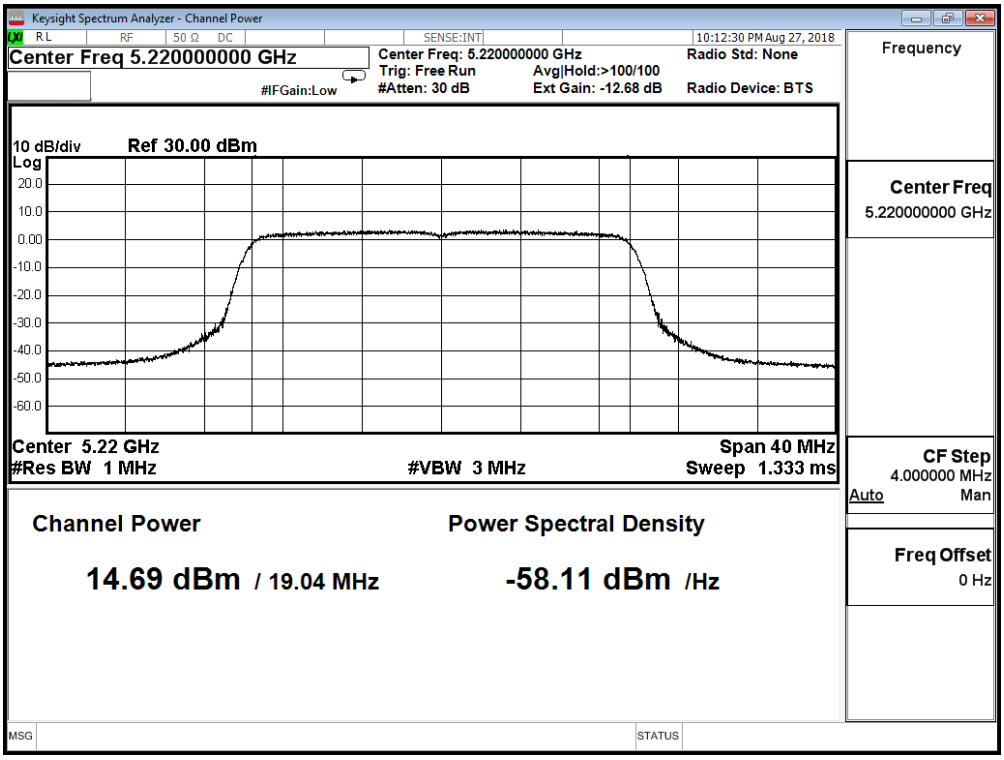
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
36	5180	15.220	--	--	--	--	--	--	--	--	--	--	--	≦30
44	5220	14.690	14.530	14.210	13.880	13.450	13.210	12.480	12.020	11.880	11.620	11.010	10.890	
48	5240	14.260	--	--	--	--	--	--	--	--	--	--	--	

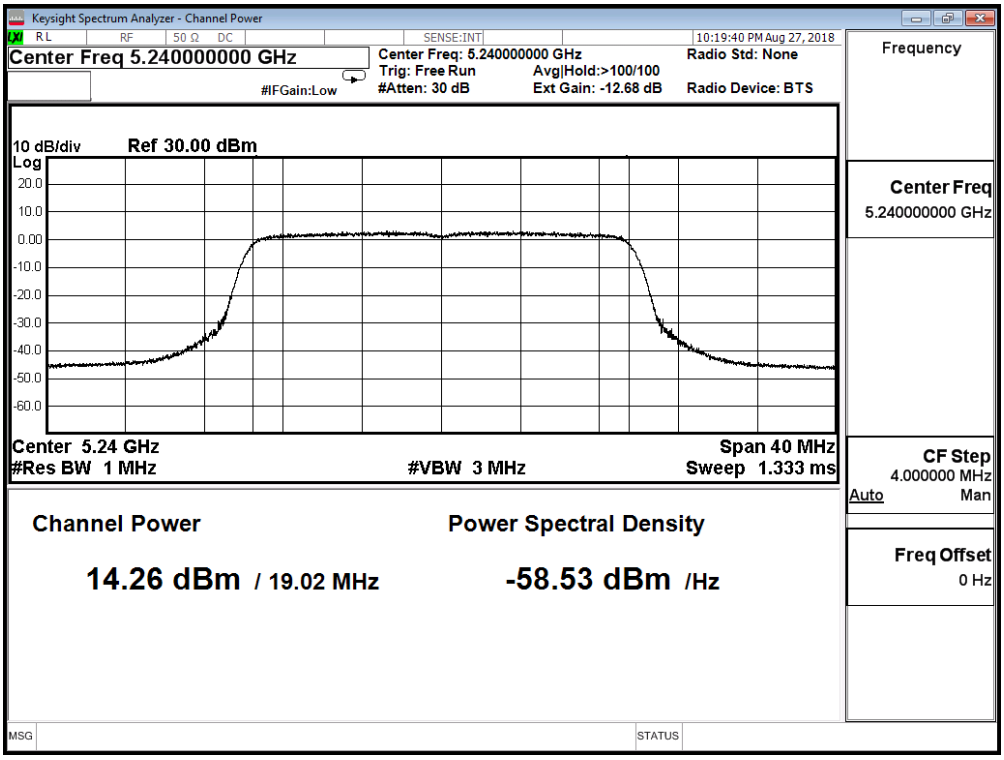
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

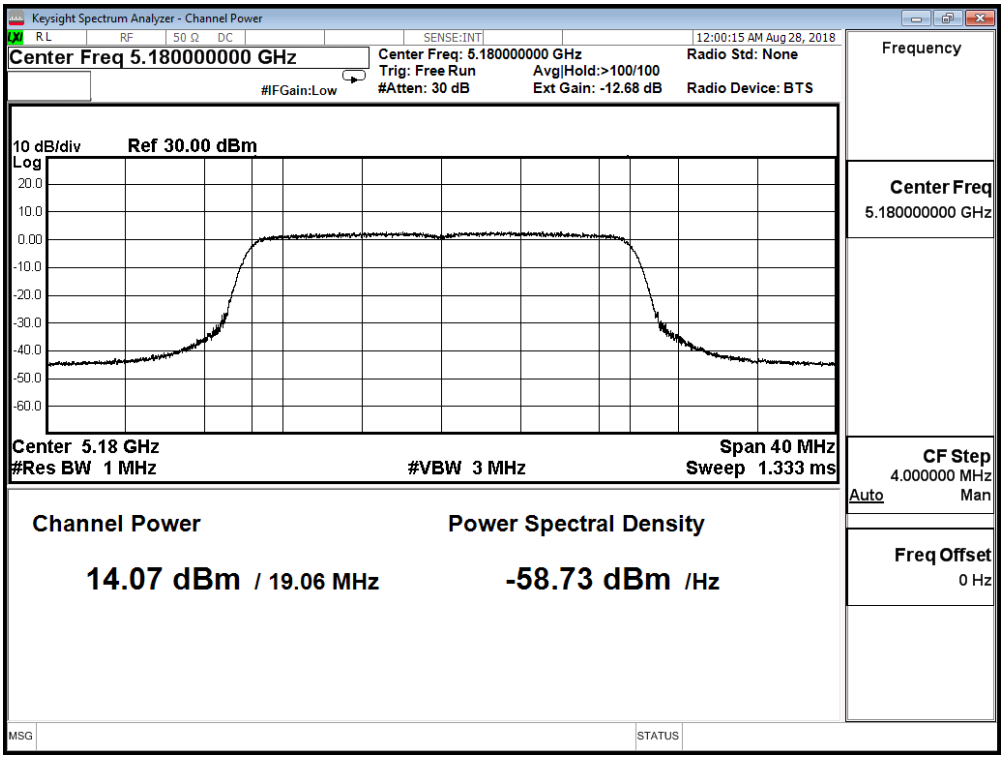
IEEE 802.11ax(20MHz)(ANT4)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.070	≦30
44	5220	14.500	≦30
48	5240	14.510	≦30

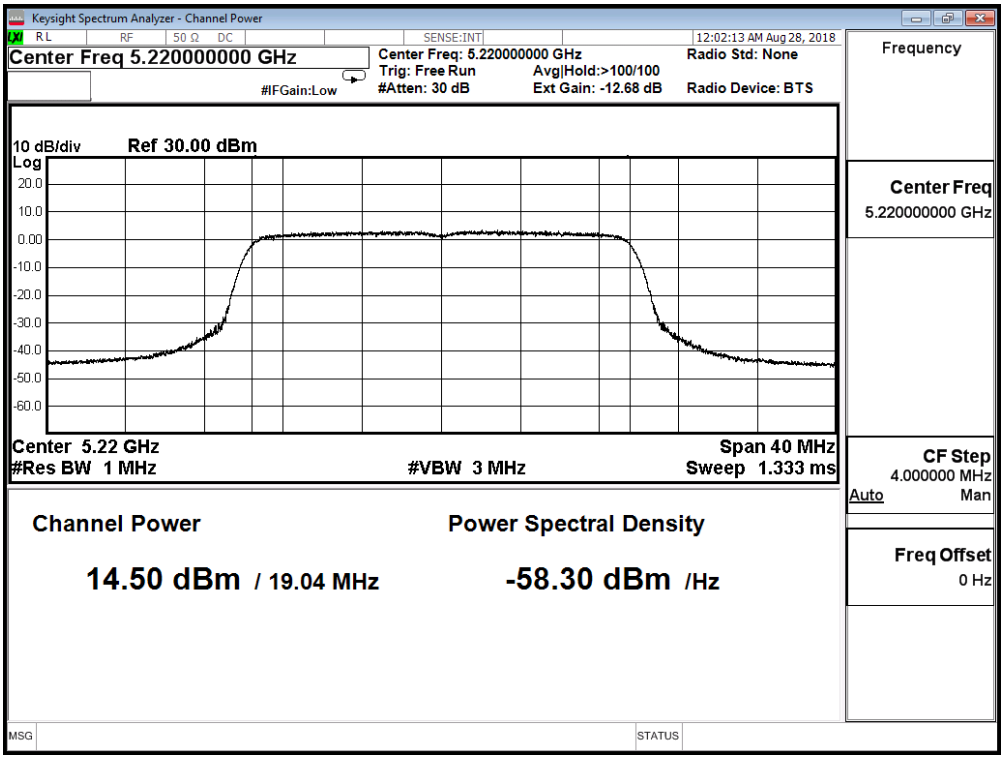
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
36	5180	14.070	--	--	--	--	--	--	--	--	--	--	--	≦30
44	5220	14.500	14.360	14.220	14.070	13.940	13.790	13.640	13.510	13.370	13.230	13.080	12.940	
48	5240	14.510	--	--	--	--	--	--	--	--	--	--	--	

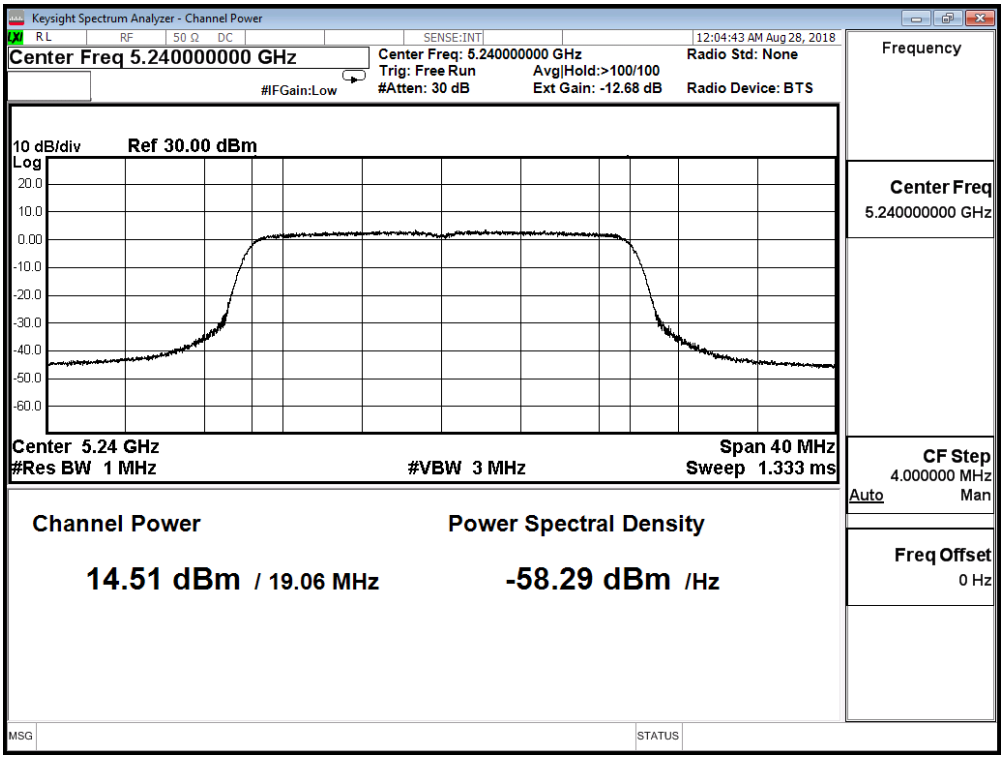
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

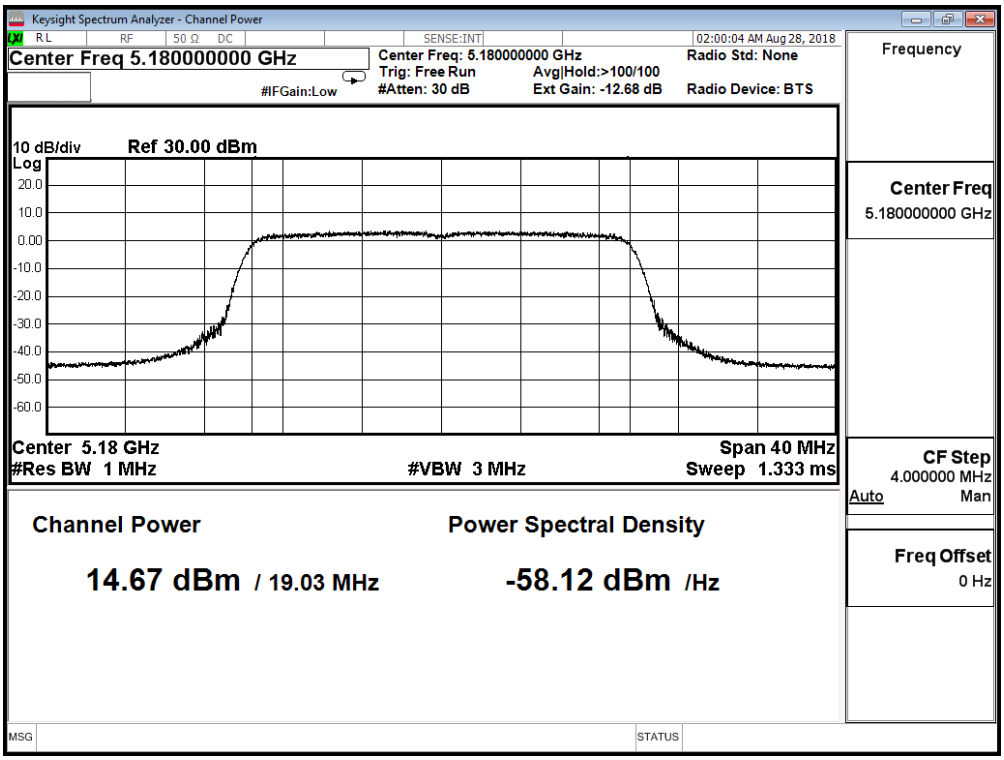
IEEE 802.11ax(20MHz)(ANT5)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.670	≦30
44	5220	13.890	≦30
48	5240	14.100	≦30

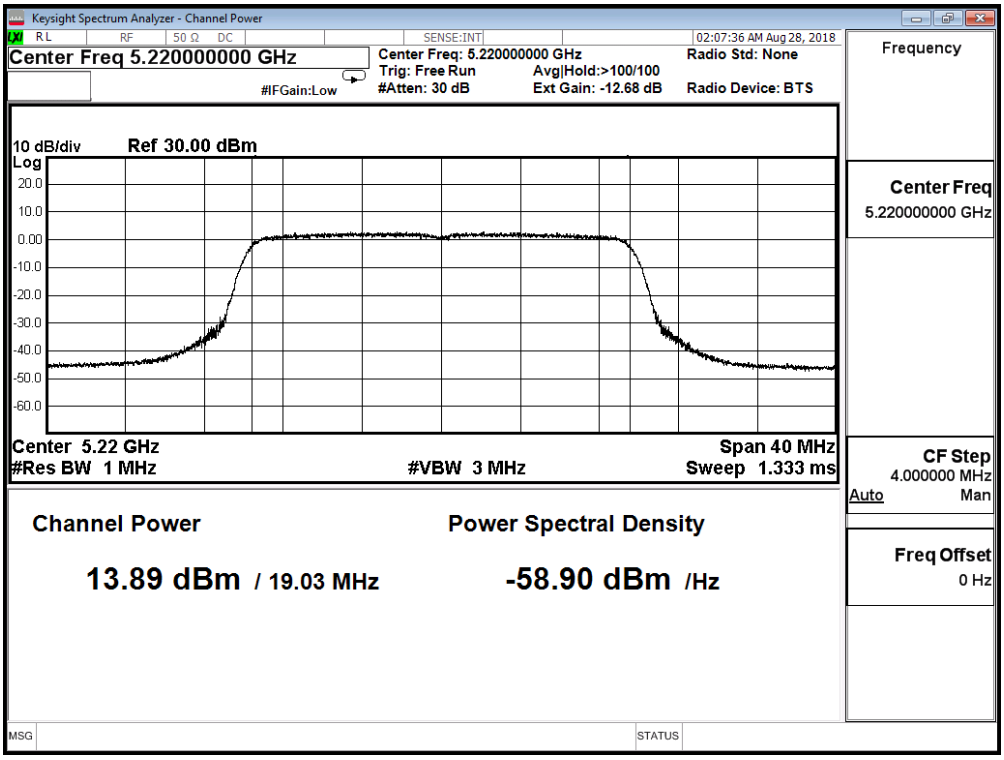
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
36	5180	14.670	--	--	--	--	--	--	--	--	--	--	--	≦30
44	5220	13.890	13.670	13.530	13.380	13.240	13.100	12.960	12.820	12.690	12.560	12.410	11.280	
48	5240	14.100	--	--	--	--	--	--	--	--	--	--	--	

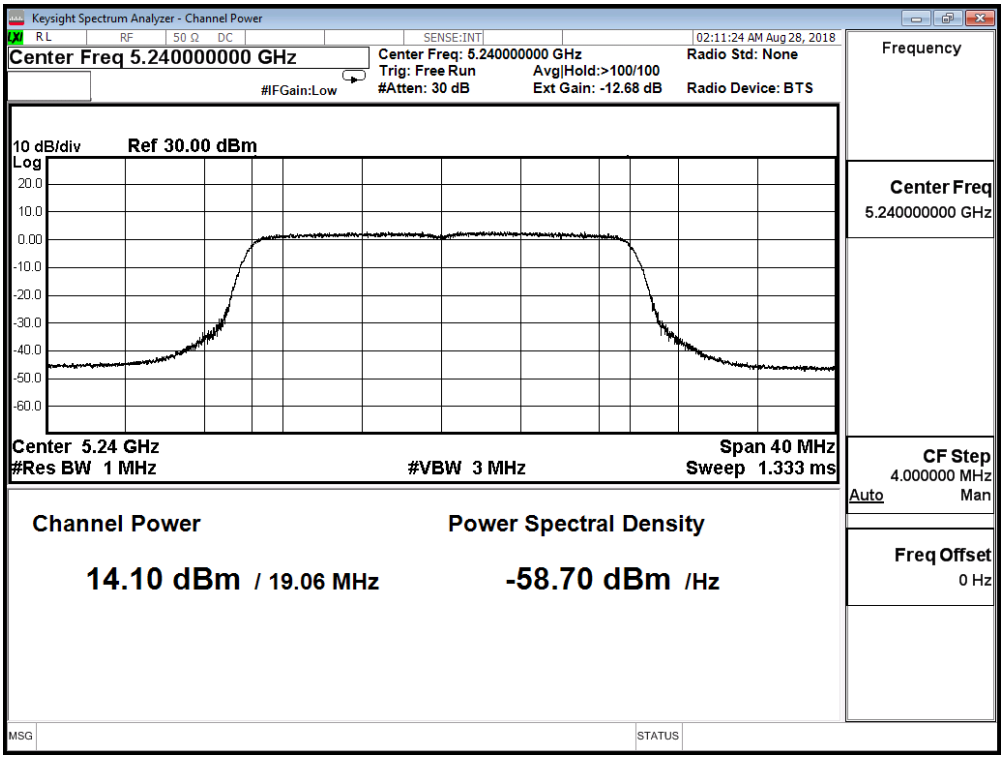
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

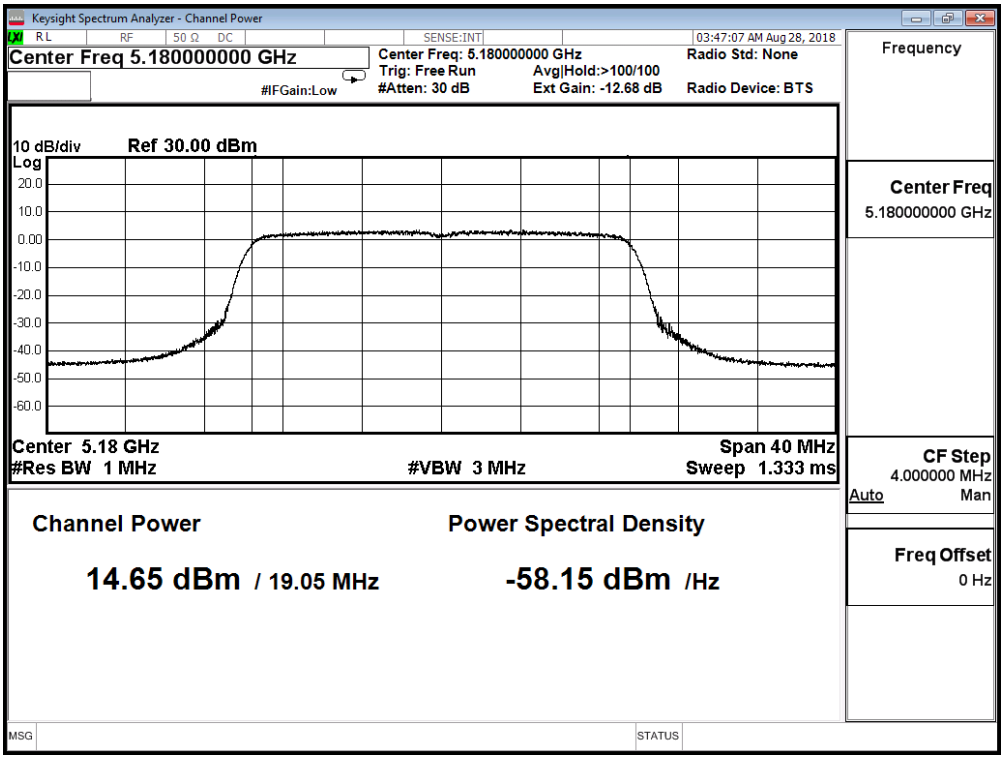
IEEE 802.11ax(20MHz)(ANT6)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.650	≦30
44	5220	14.590	≦30
48	5240	14.600	≦30

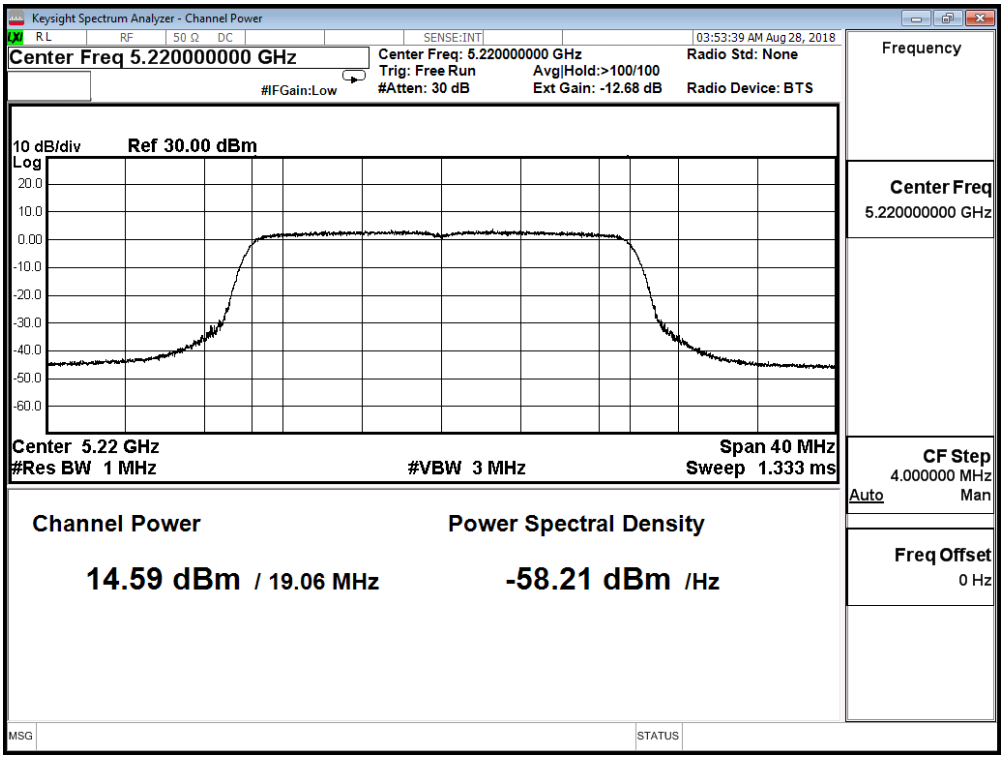
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
36	5180	14.650	--	--	--	--	--	--	--	--	--	--	--	≦30
44	5220	14.590	14.450	14.310	14.180	14.040	13.900	13.770	13.630	13.490	13.350	13.220	13.080	
48	5240	14.600	--	--	--	--	--	--	--	--	--	--	--	

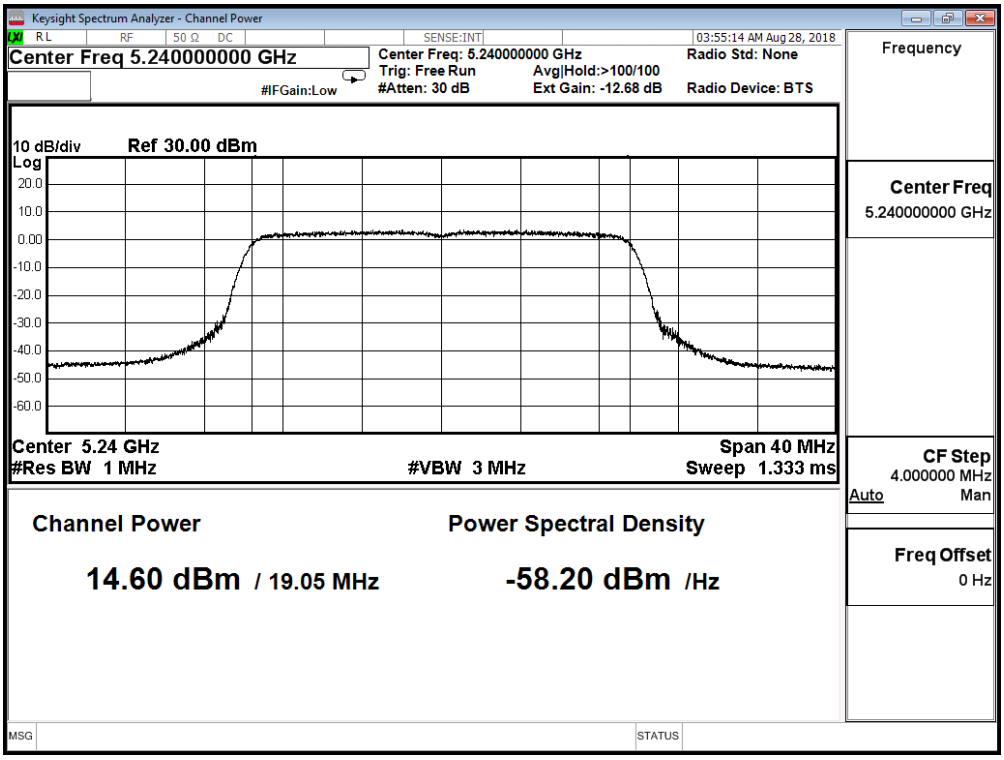
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

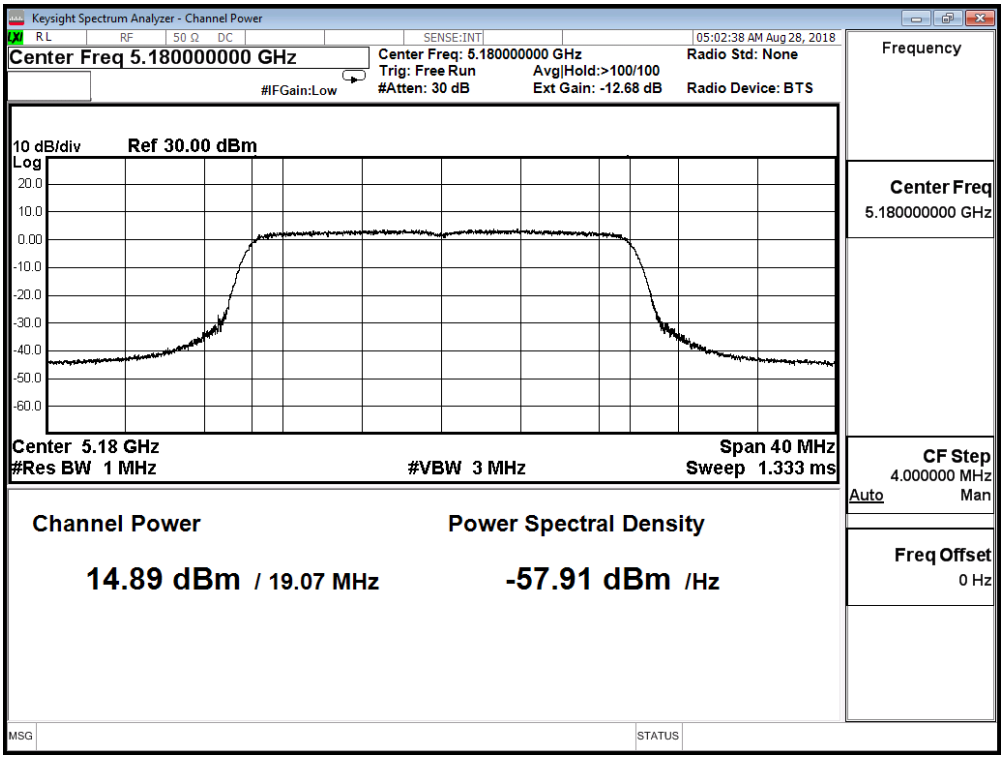
IEEE 802.11ax(20MHz)(ANT8)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	14.890	≦30
44	5220	14.760	≦30
48	5240	14.310	≦30

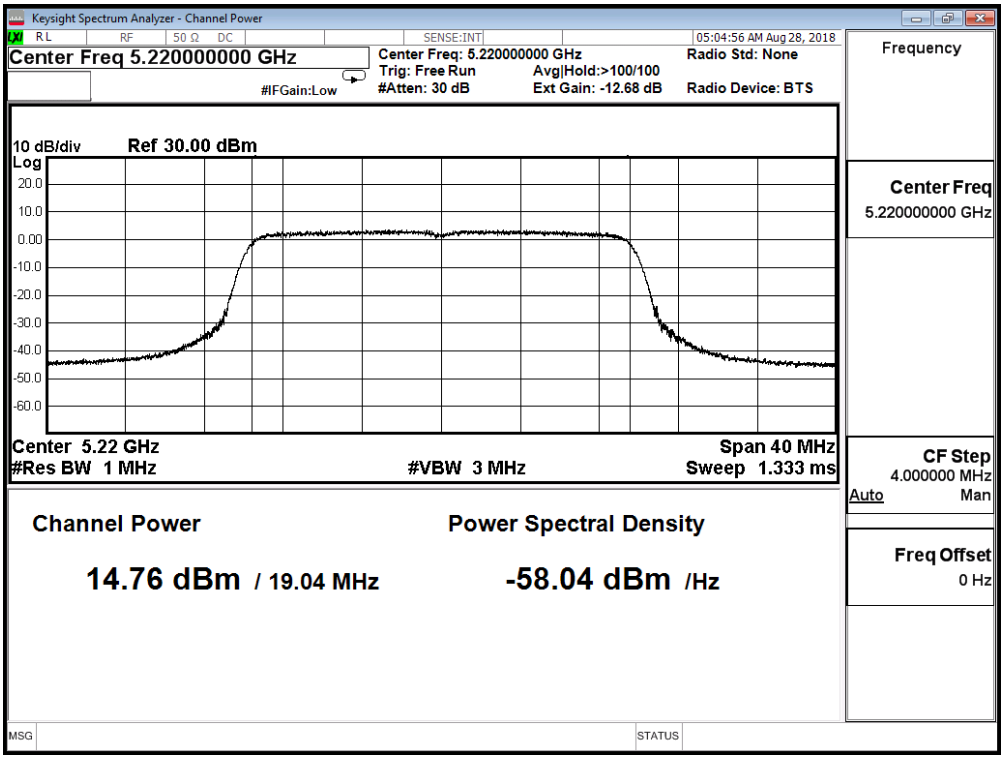
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
36	5180	14.890	--	--	--	--	--	--	--	--	--	--	--	≦30
44	5220	14.760	14.620	14.480	14.340	14.200	14.070	13.930	13.780	13.650	13.510	13.370	13.230	
48	5240	14.310	--	--	--	--	--	--	--	--	--	--	--	

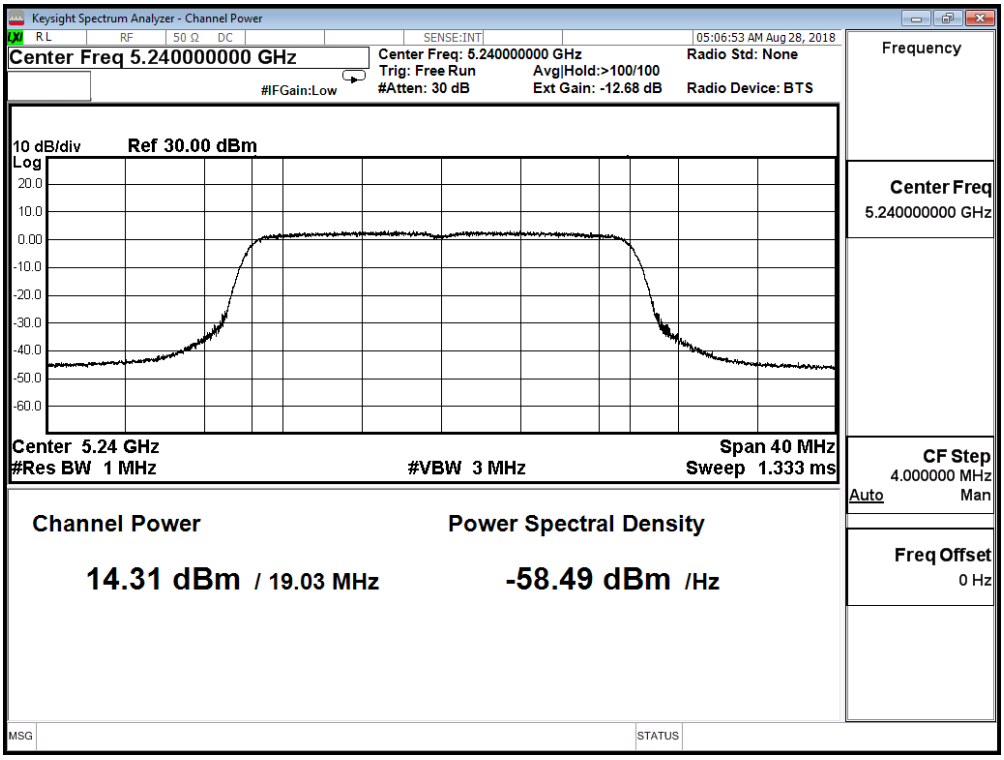
Channel 36



Channel 44



Channel 48



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

IEEE 802.11ax(20MHz) (ANT 0+1+2+3+4+5+6+8)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
36	5180	23.800	≦30
44	5220	23.610	≦30
48	5240	23.565	≦30

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

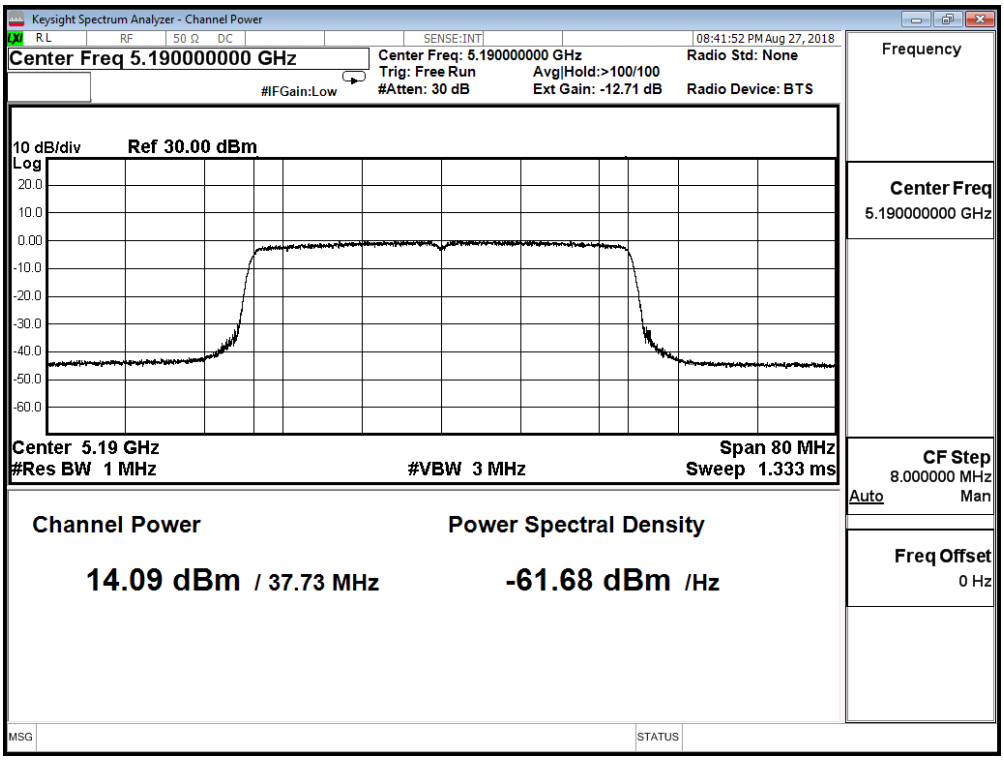
IEEE 802.11ax(40MHz)(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)
38	5190	14.090	≦30
46	5230	16.770	≦30

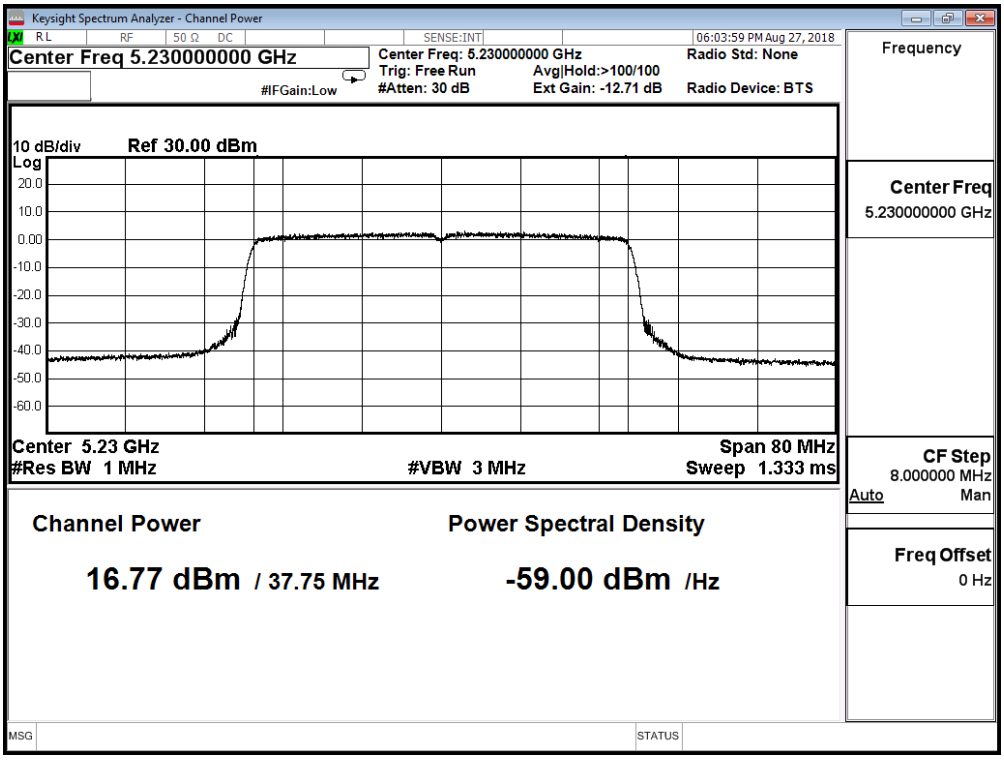
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
38	5190	14.090	--	--	--	--	--	--	--	--	--	--	--	≦30
46	5230	16.770	16.630	16.490	16.360	16.210	16.060	15.920	15.780	15.630	15.490	15.350	15.200	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
06:03:59 PM Aug 27, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
16.77 dBm / 37.75 MHz
Power Spectral Density
-59.00 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

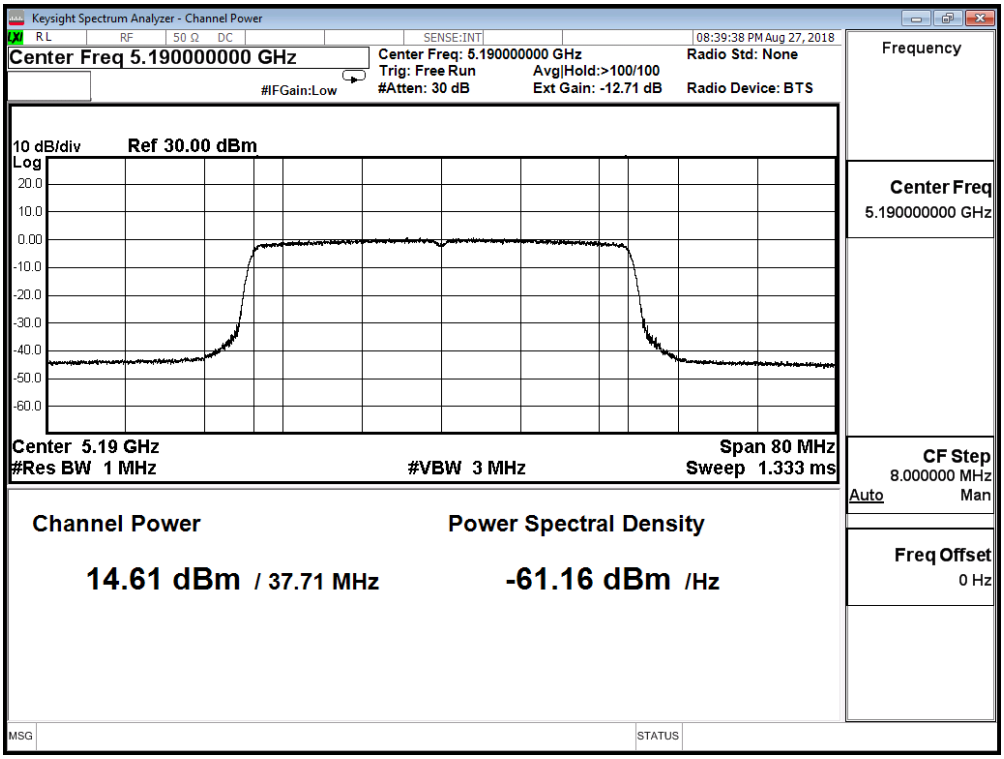
IEEE 802.11ax(40MHz)(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	14.610	≦30
46	5230	17.450	≦30

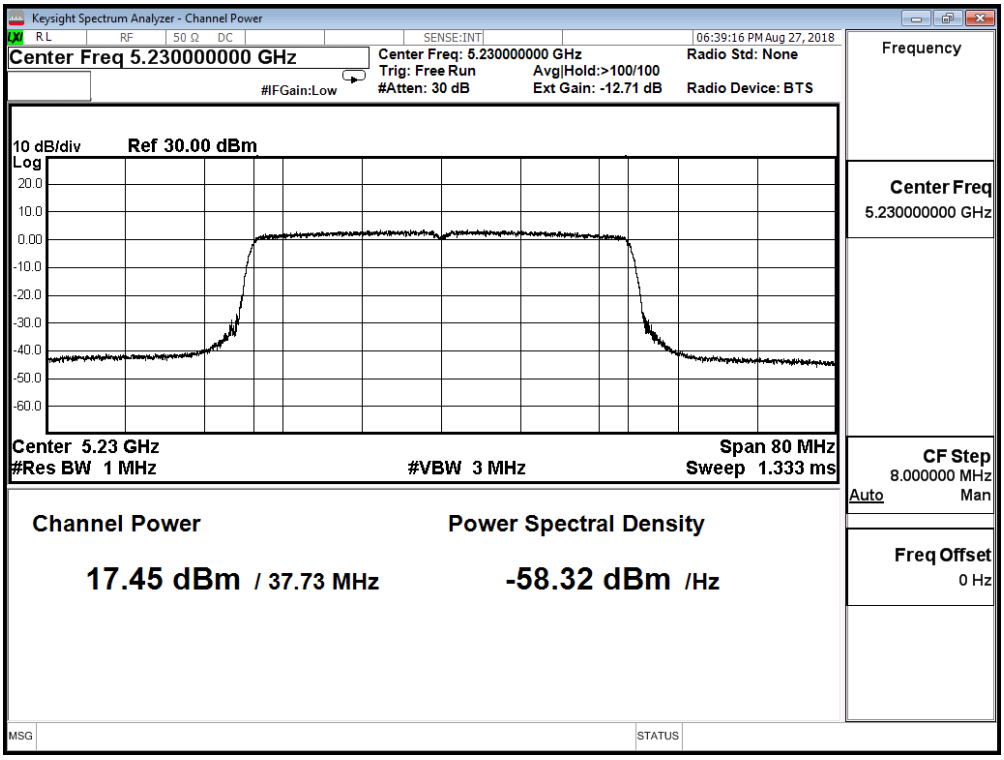
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
38	5190	14.610	--	--	--	--	--	--	--	--	--	--	--	≦30
46	5230	17.450	17.320	17.180	17.040	16.890	16.750	16.610	16.470	16.320	16.180	16.050	15.900	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
06:39:16 PM Aug 27, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
17.45 dBm / 37.73 MHz
Power Spectral Density
-58.32 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

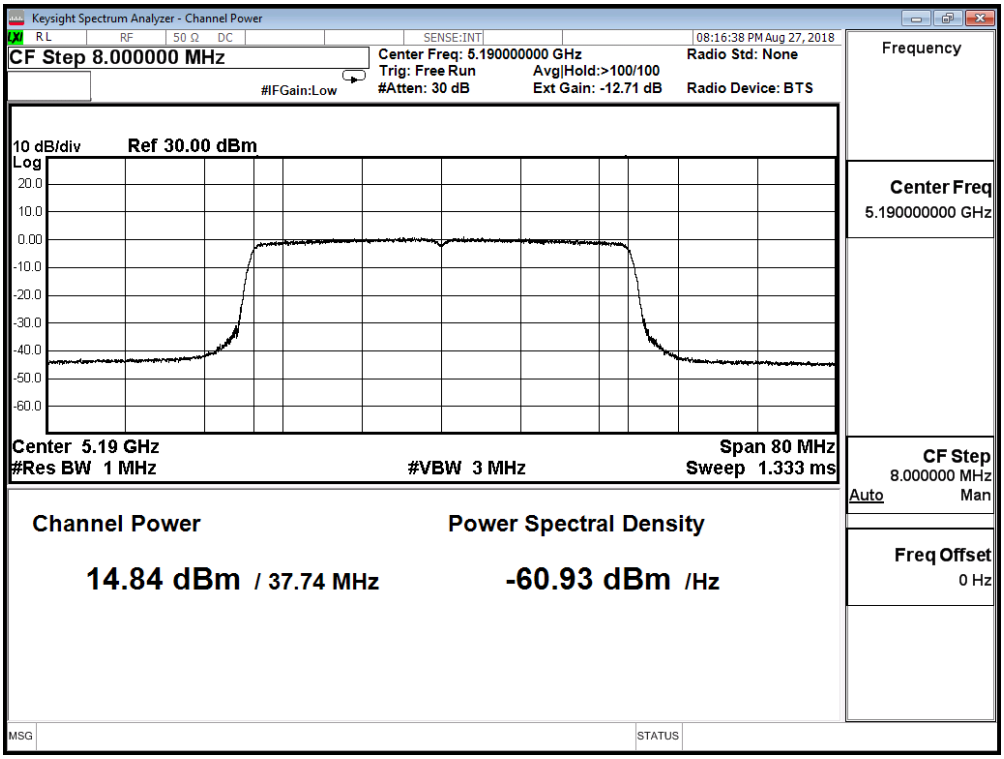
IEEE 802.11ax(40MHz)(ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	14.840	≦30
46	5230	17.970	≦30

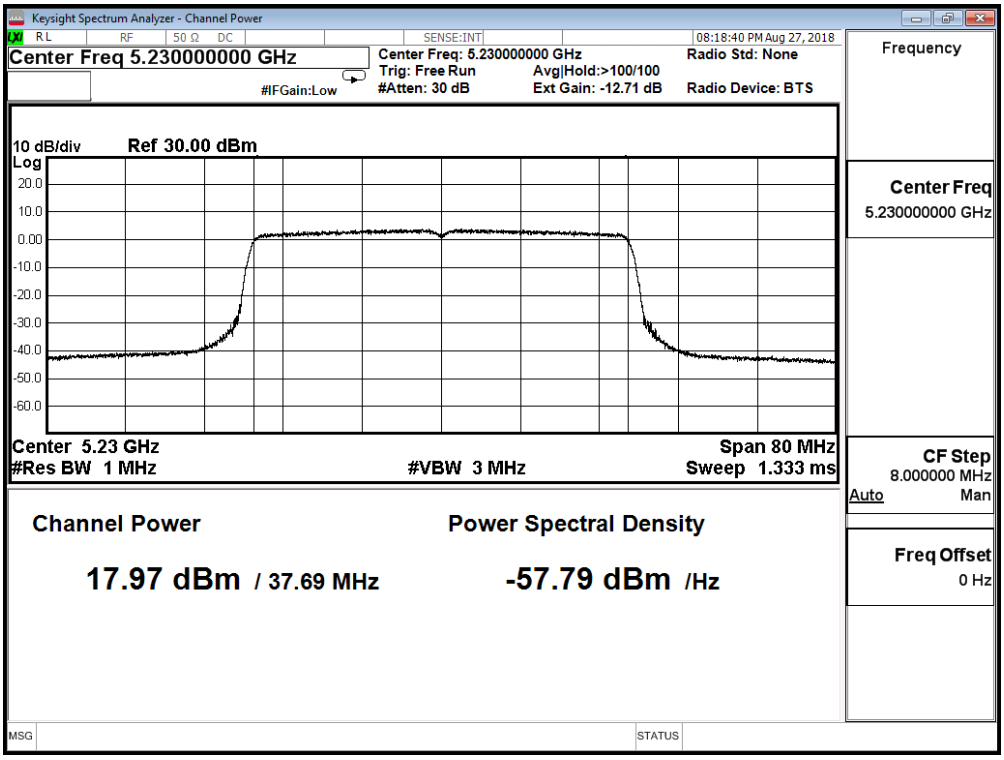
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
38	5190	14.840	--	--	--	--	--	--	--	--	--	--	--	≦30
46	5230	17.970	17.840	17.690	17.540	17.400	17.270	17.130	16.980	16.850	16.710	16.580	16.430	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
08:18:40 PM Aug 27, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
17.97 dBm / 37.69 MHz
Power Spectral Density
-57.79 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

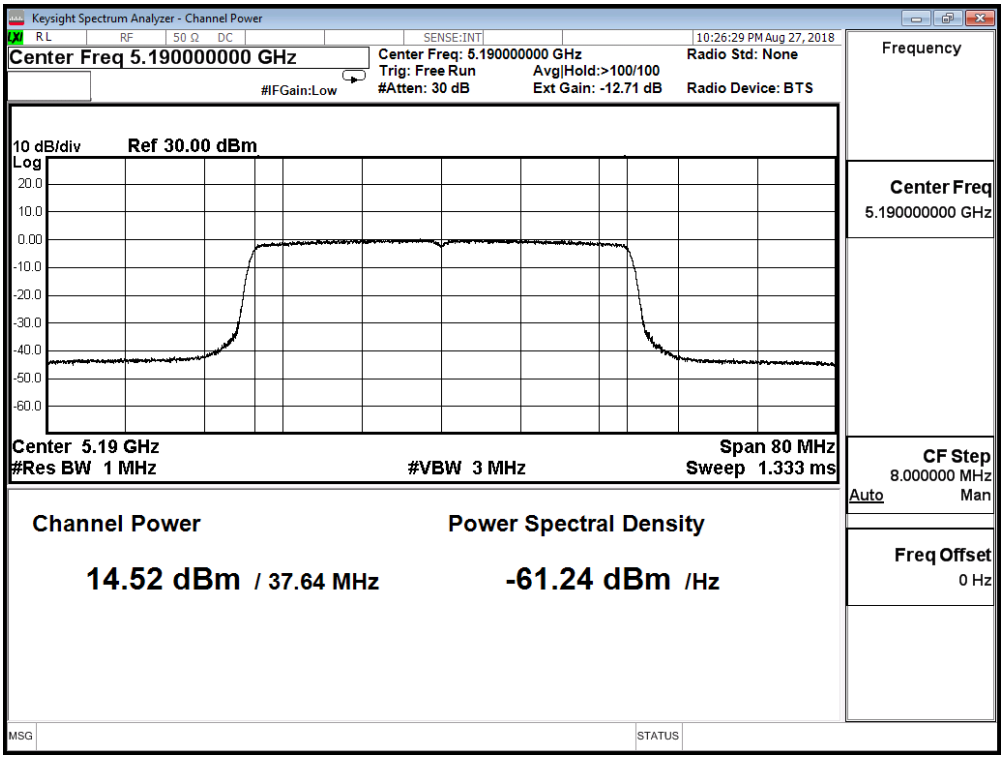
IEEE 802.11ax(40MHz)(ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	14.520	≦30
46	5230	17.350	≦30

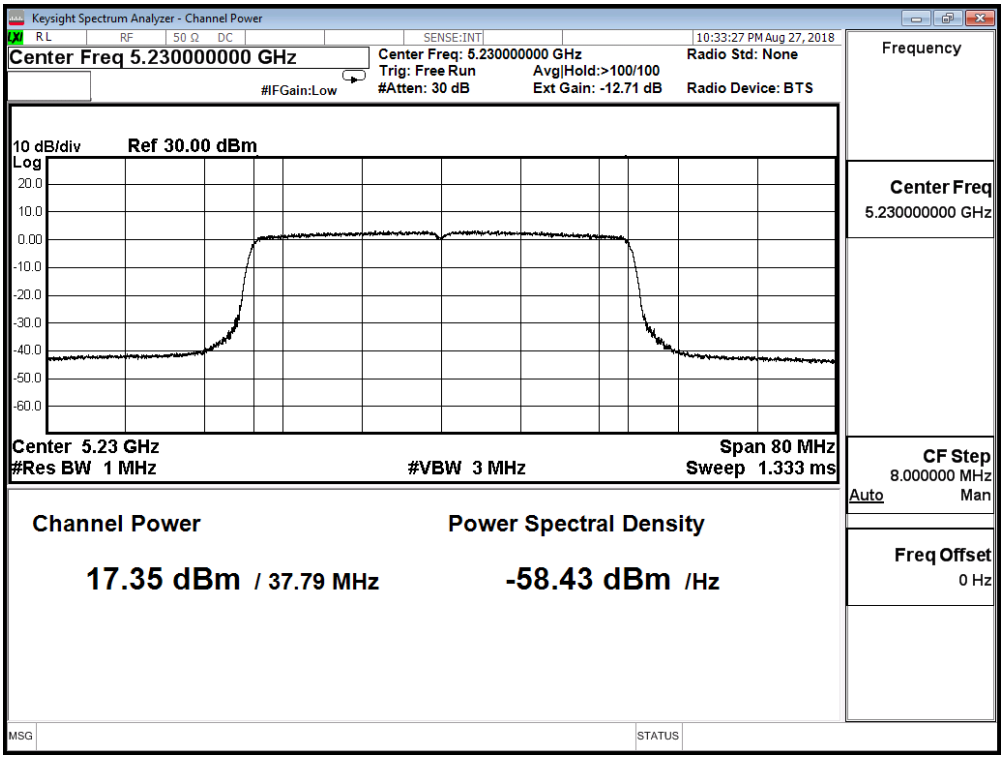
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
38	5190	14.520	--	--	--	--	--	--	--	--	--	--	--	≦30
46	5230	17.350	17.210	17.060	16.930	16.780	16.650	16.520	16.390	16.250	16.120	15.970	15.820	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
10:33:27 PM Aug 27, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
17.35 dBm / 37.79 MHz
Power Spectral Density
-58.43 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

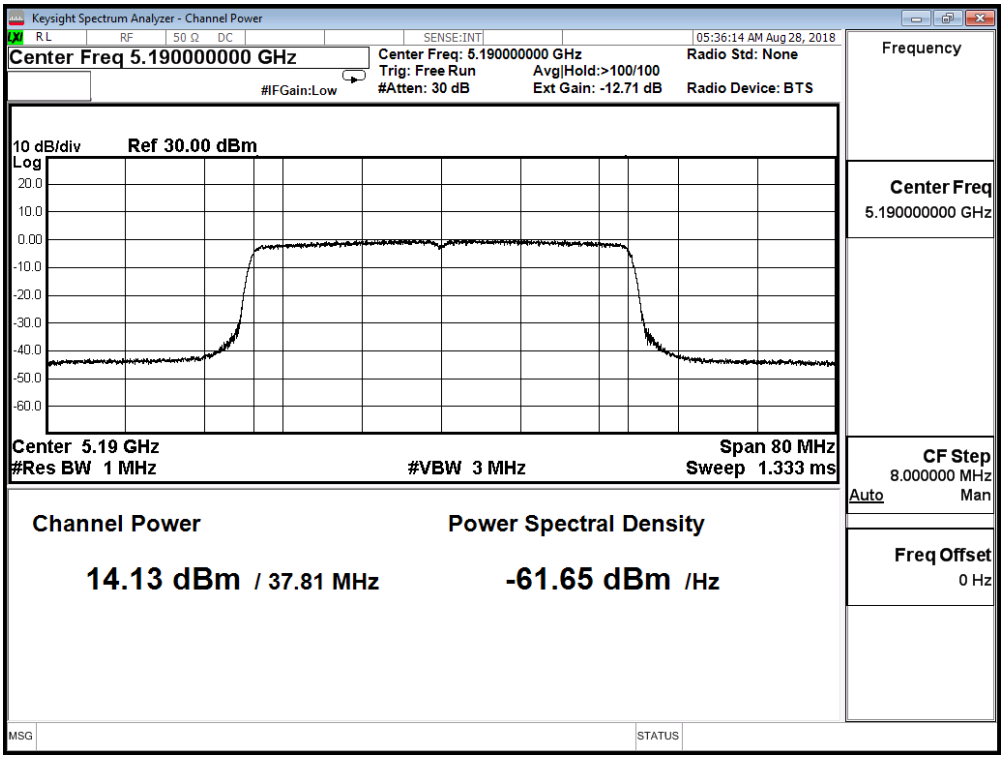
IEEE 802.11ax(40MHz)(ANT 4)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	14.130	≦30
46	5230	16.870	≦30

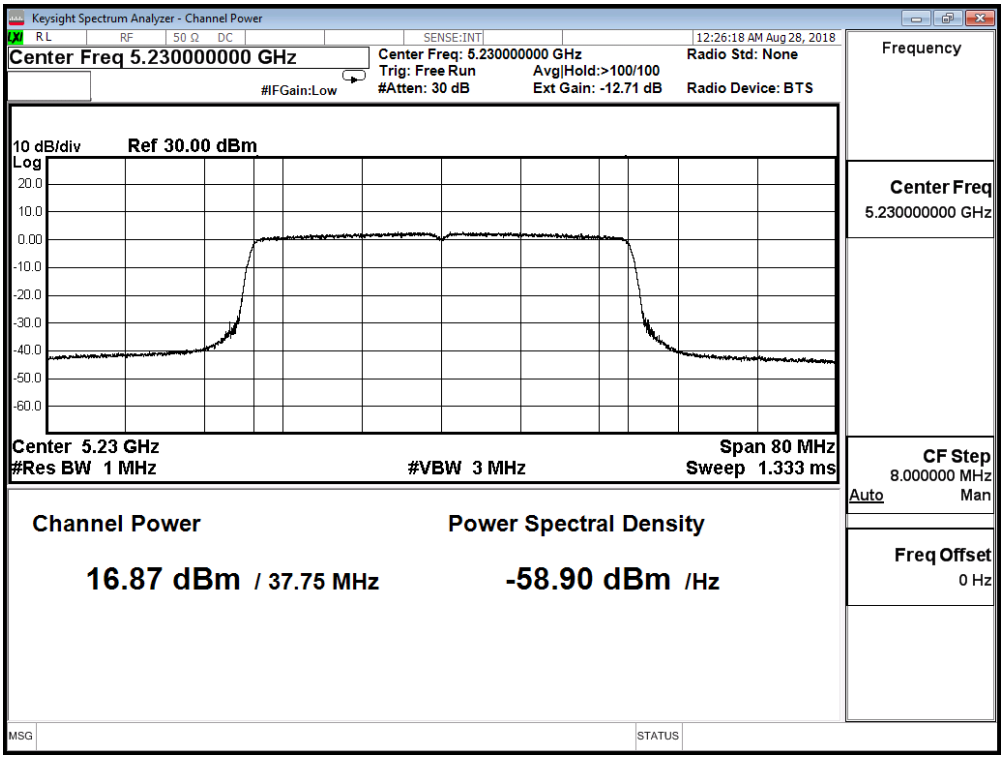
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
38	5190	14.130	--	--	--	--	--	--	--	--	--	--	--	≦30
46	5230	16.870	16.740	16.590	16.450	16.310	16.180	16.040	15.910	15.770	15.630	15.490	15.350	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
12:26:18 AM Aug 28, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
16.87 dBm / 37.75 MHz
Power Spectral Density
-58.90 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

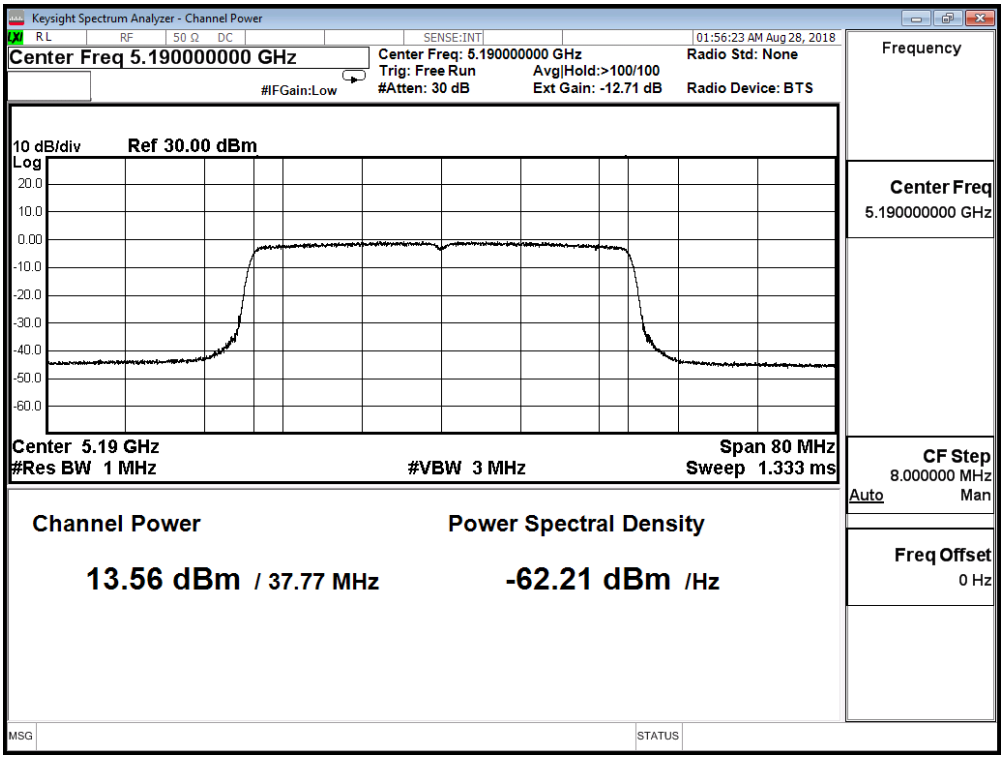
IEEE 802.11ax(40MHz)(ANT 5)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	13.560	≦30
46	5230	16.820	≦30

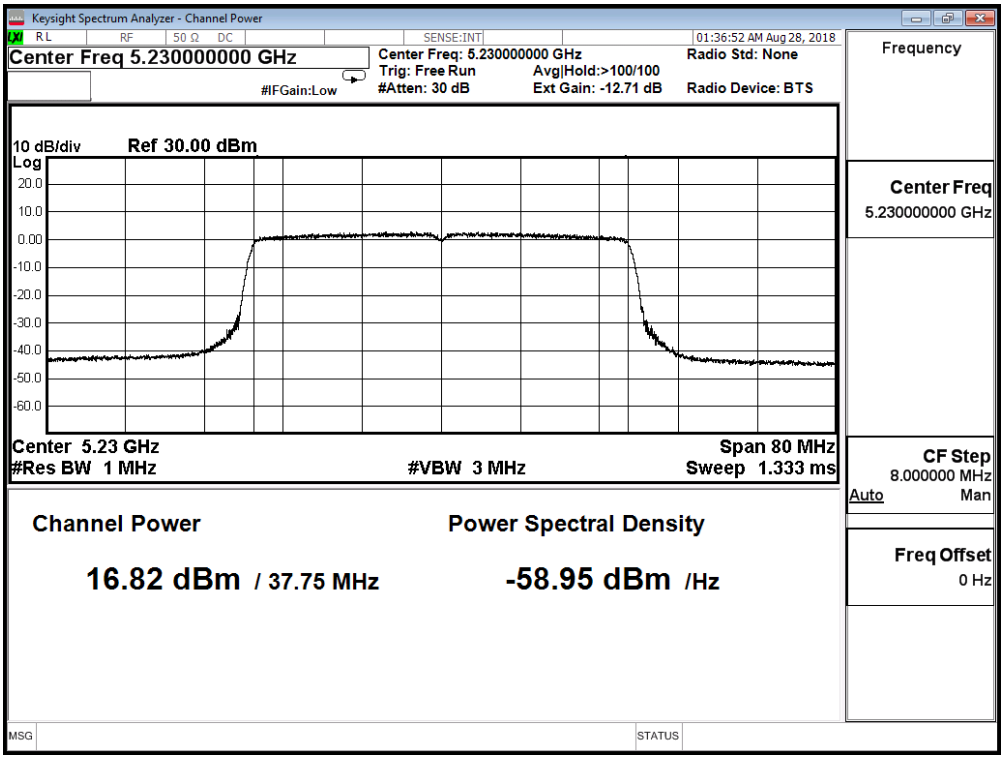
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
38	5190	13.560	--	--	--	--	--	--	--	--	--	--	--	≦30
46	5230	16.820	16.670	16.530	16.400	16.260	16.110	15.970	15.830	15.700	15.560	15.410	15.280	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
01:36:52 AM Aug 28, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
16.82 dBm / 37.75 MHz
Power Spectral Density
-58.95 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

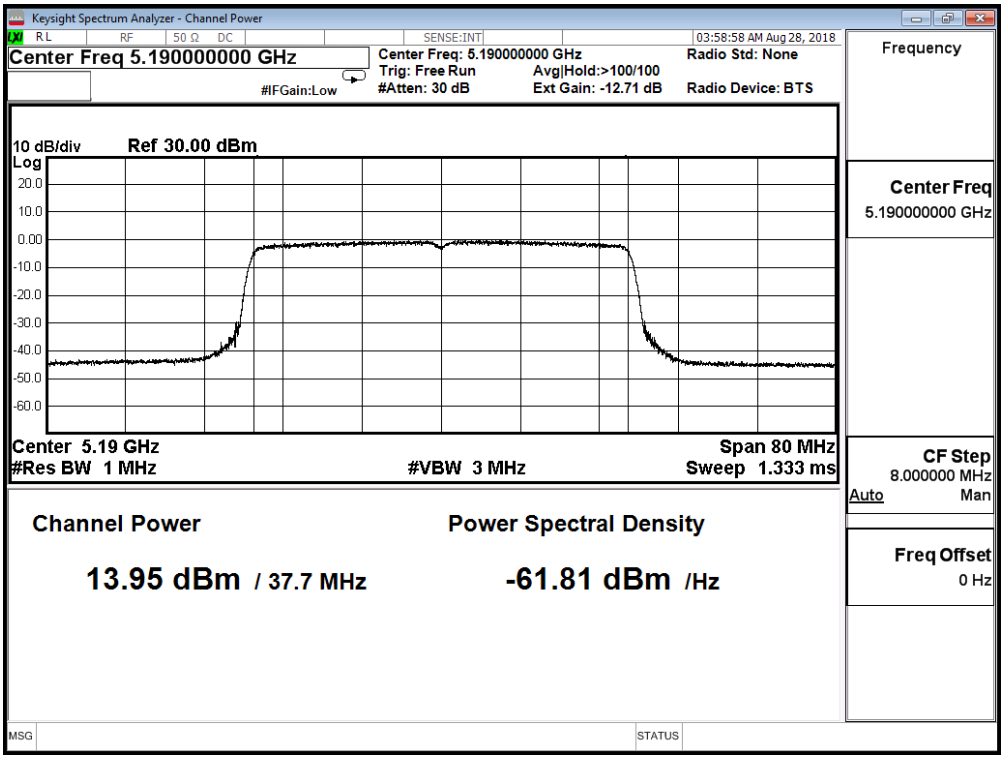
IEEE 802.11ax(40MHz)(ANT 6)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	13.950	≦30
46	5230	16.900	≦30

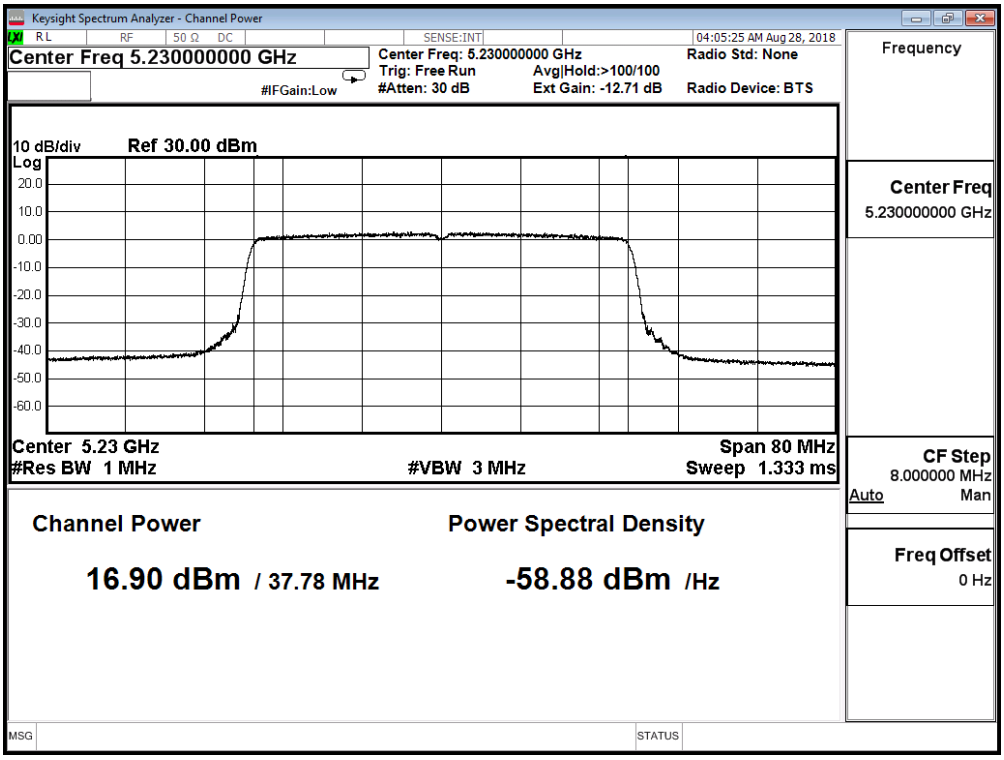
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
38	5190	13.950	--	--	--	--	--	--	--	--	--	--	--	≦30
46	5230	16.900	16.760	16.620	16.480	16.350	16.210	16.070	15.920	15.770	15.630	15.490	15.350	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
04:05:25 AM Aug 28, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
16.90 dBm / 37.78 MHz
Power Spectral Density
-58.88 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

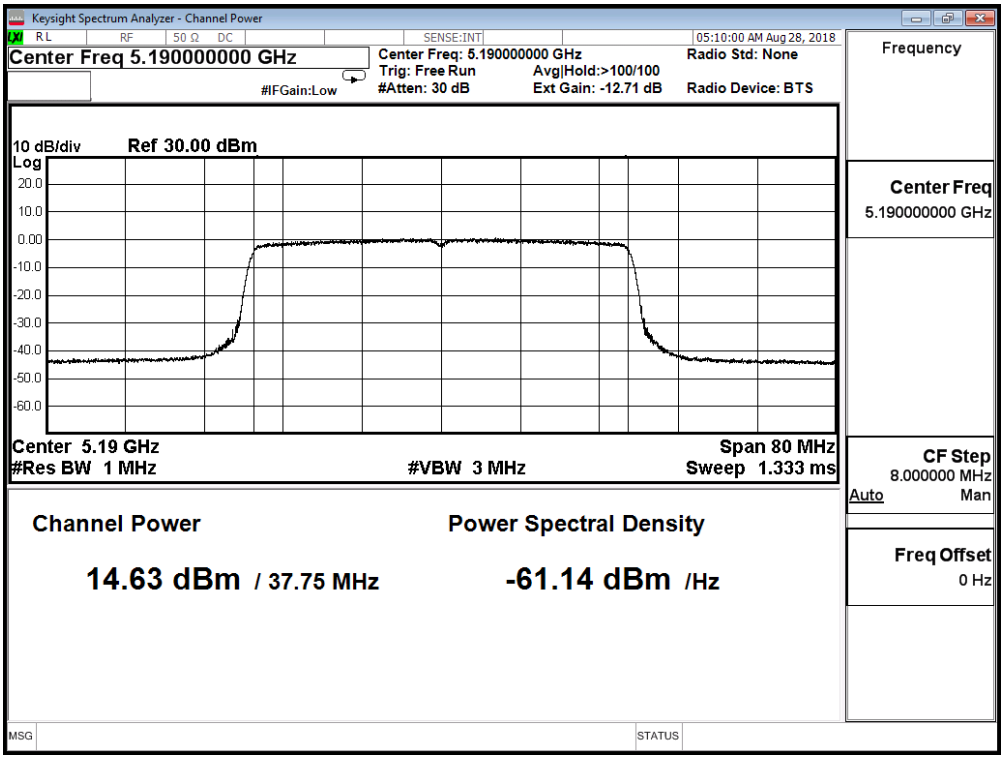
IEEE 802.11ax(40MHz)(ANT 8)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	14.630	≦30
46	5230	17.240	≦30

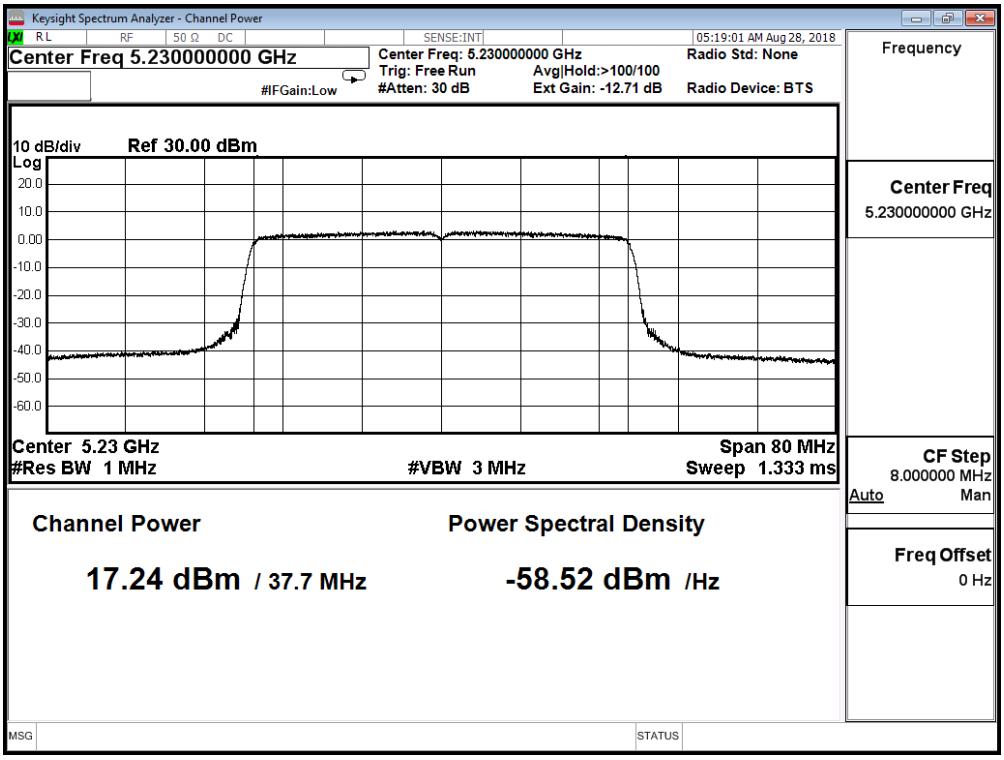
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
38	5190	14.630	--	--	--	--	--	--	--	--	--	--	--	≦30
46	5230	17.240	17.100	16.960	16.820	16.680	16.550	16.400	16.250	16.100	15.960	15.810	15.670	

Channel 38



Channel 46


Keysight Spectrum Analyzer - Channel Power
RL
RF
50 Ω DC
SENSE:INT
05:19:01 AM Aug 28, 2018
Center Freq 5.230000000 GHz
#IFGain:Low
Center Freq: 5.230000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -12.71 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
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Channel Power
17.24 dBm / 37.7 MHz
Power Spectral Density
-58.52 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

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

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
38	5190	23.340	≦30
46	5230	26.220	≦30

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

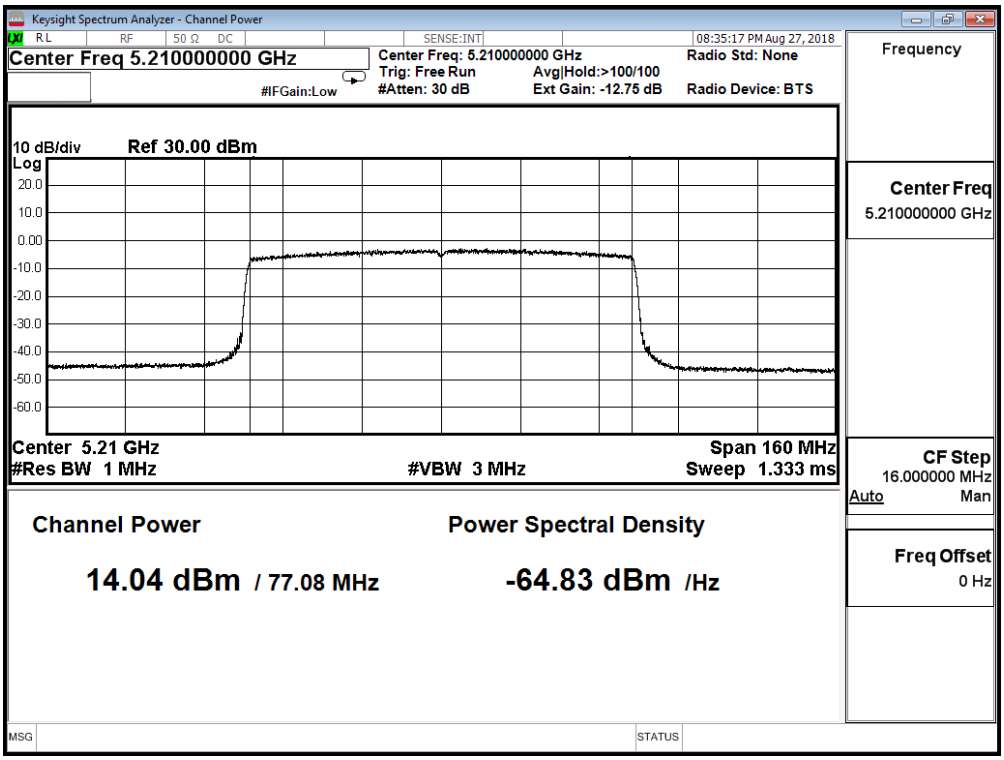
IEEE 802.11ax(80MHz)(ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	14.040	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
42	5210	14.040	13.900	13.770	13.630	13.480	13.340	13.190	13.050	12.910	12.770	12.640	12.510	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

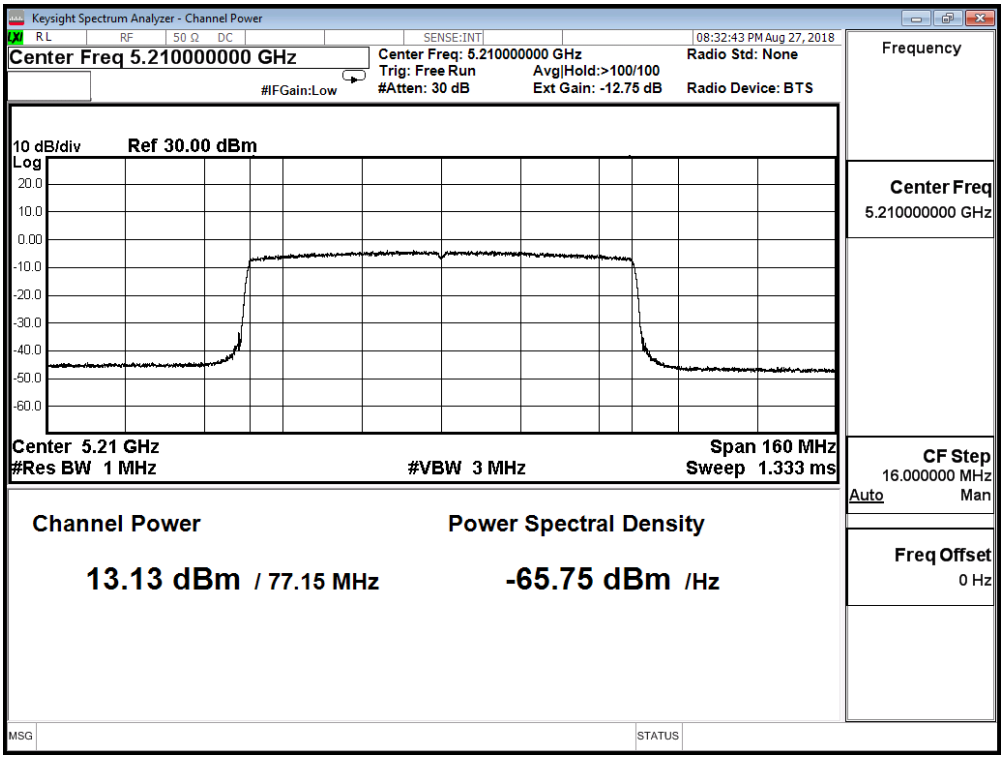
IEEE 802.11ax(80MHz)(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	13.130	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
42	5210	13.130	12.990	12.850	12.710	12.570	12.440	12.290	12.150	12.010	11.860	11.730	11.600	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

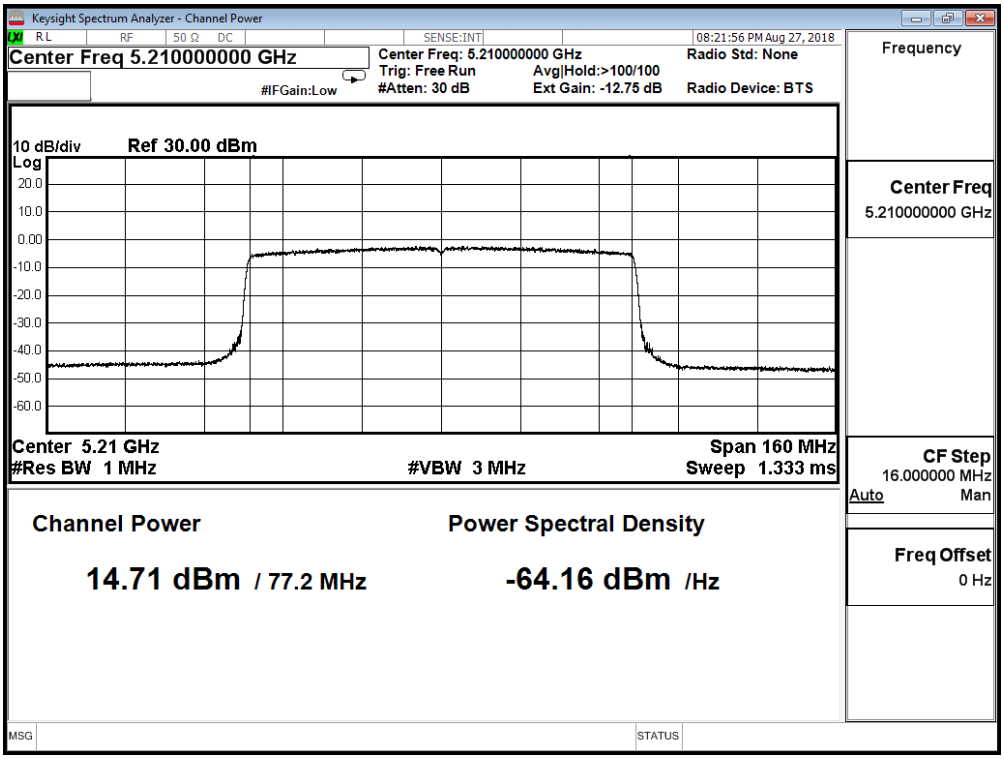
IEEE 802.11ax(80MHz)(ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	14.710	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
42	5210	14.710	14.570	14.420	14.280	14.140	14.000	13.860	13.730	13.590	13.450	13.320	13.170	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

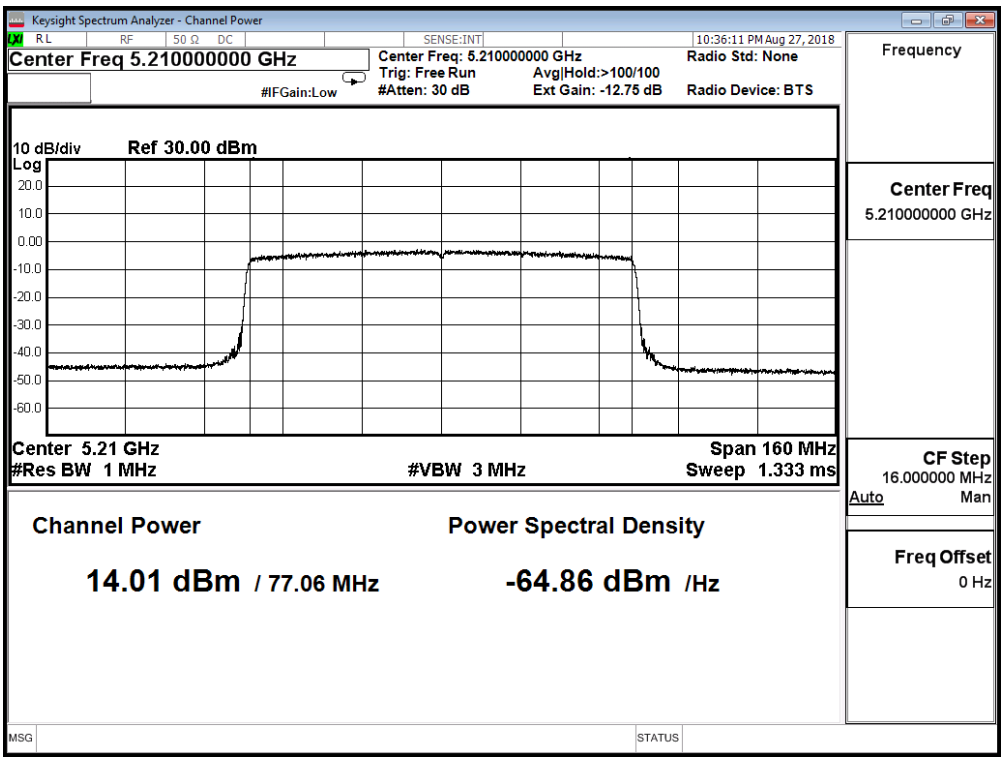
IEEE 802.11ax(80MHz)(ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	14.010	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
42	5210	14.010	13.880	13.750	13.620	13.480	13.330	13.200	13.050	12.920	12.780	12.640	12.490	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

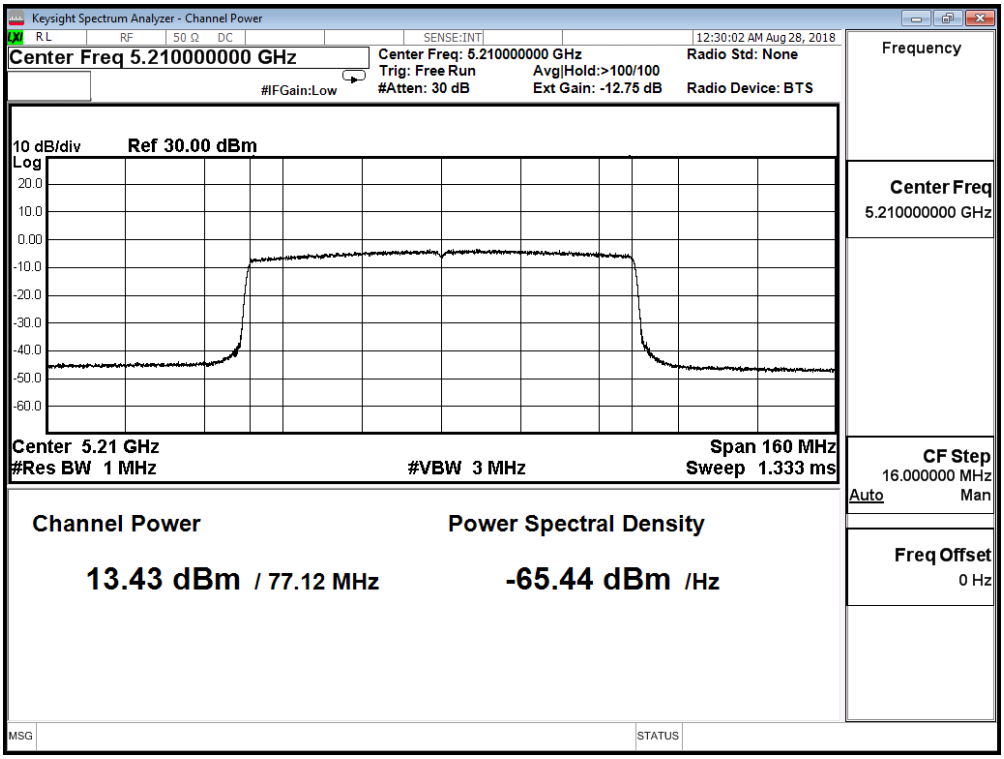
IEEE 802.11ax(80MHz)(ANT 4)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	13.430	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
42	5210	13.430	13.300	13.150	13.020	12.880	12.740	12.600	12.470	12.330	12.200	12.060	11.920	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

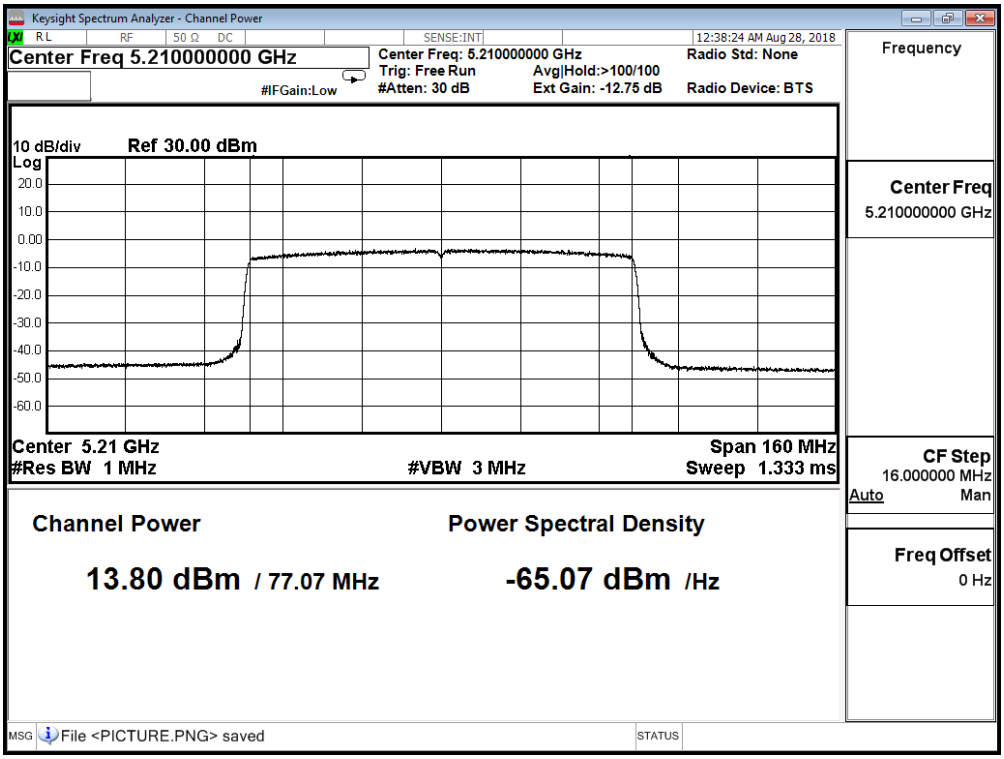
IEEE 802.11ax(80MHz)(ANT 5)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	13.800	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
42	5210	13.800	13.650	13.510	13.380	13.240	13.090	12.950	12.810	12.670	12.530	12.390	12.260	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

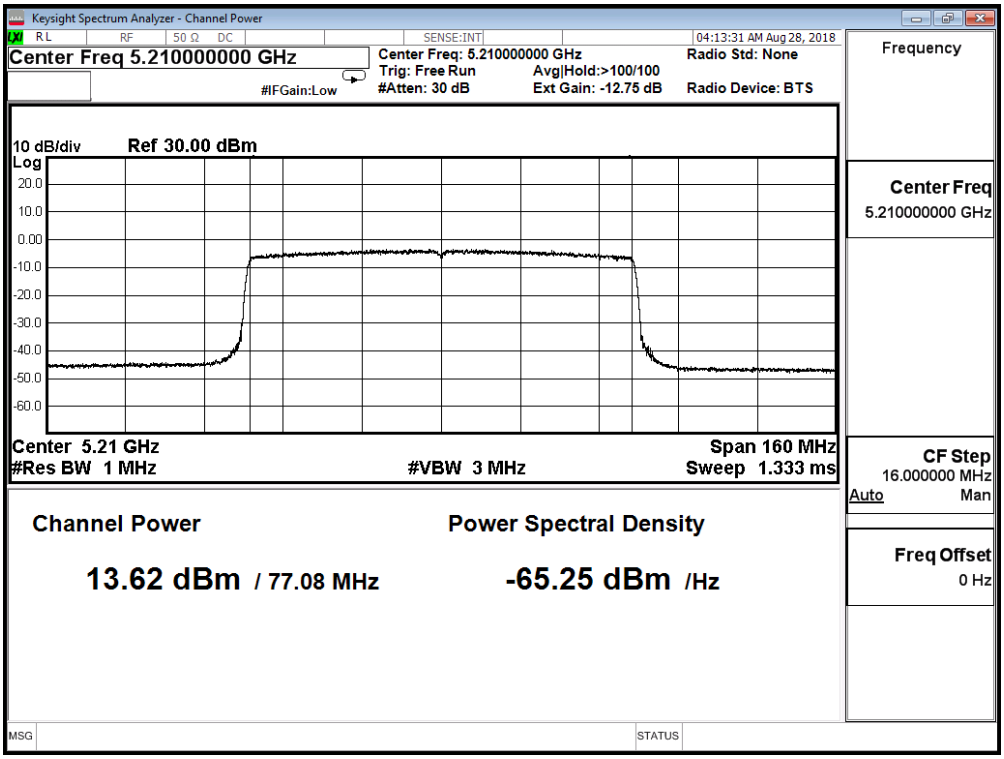
IEEE 802.11ax(80MHz)(ANT 6)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	13.620	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
42	5210	13.620	13.470	13.320	13.180	13.030	12.890	12.750	12.620	12.490	12.340	12.200	12.070	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/28	Test Site	SR10-H

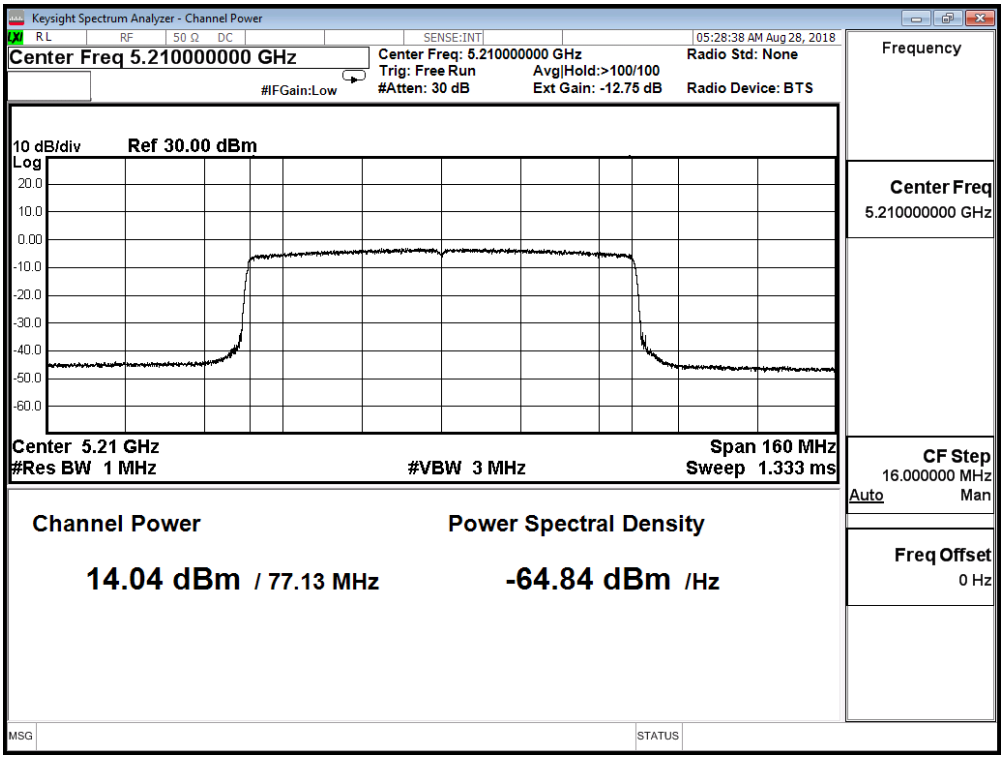
IEEE 802.11ax(80MHz)(ANT 8)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	14.040	≦30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index												Required Limit
		0	1	2	3	4	5	6	7	8	9	10	11	
42	5210	14.040	13.910	13.780	13.640	13.510	13.370	13.230	13.100	12.960	12.820	12.680	12.530	≦30

Channel 42



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

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

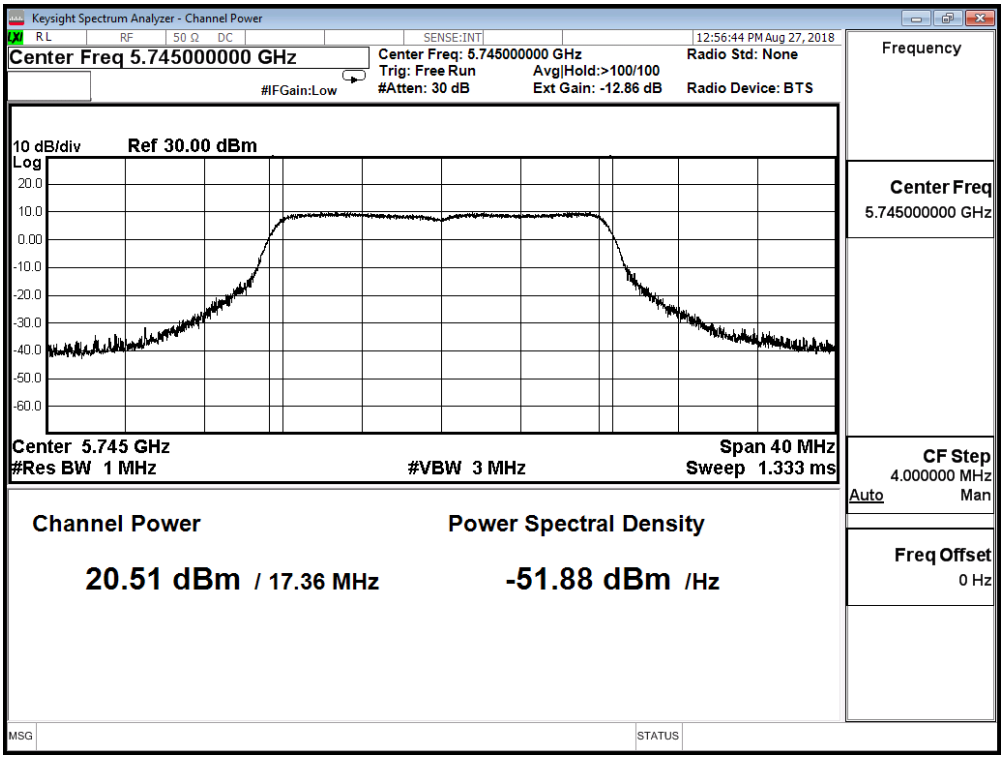
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
42	5210	22.901	≦30

Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

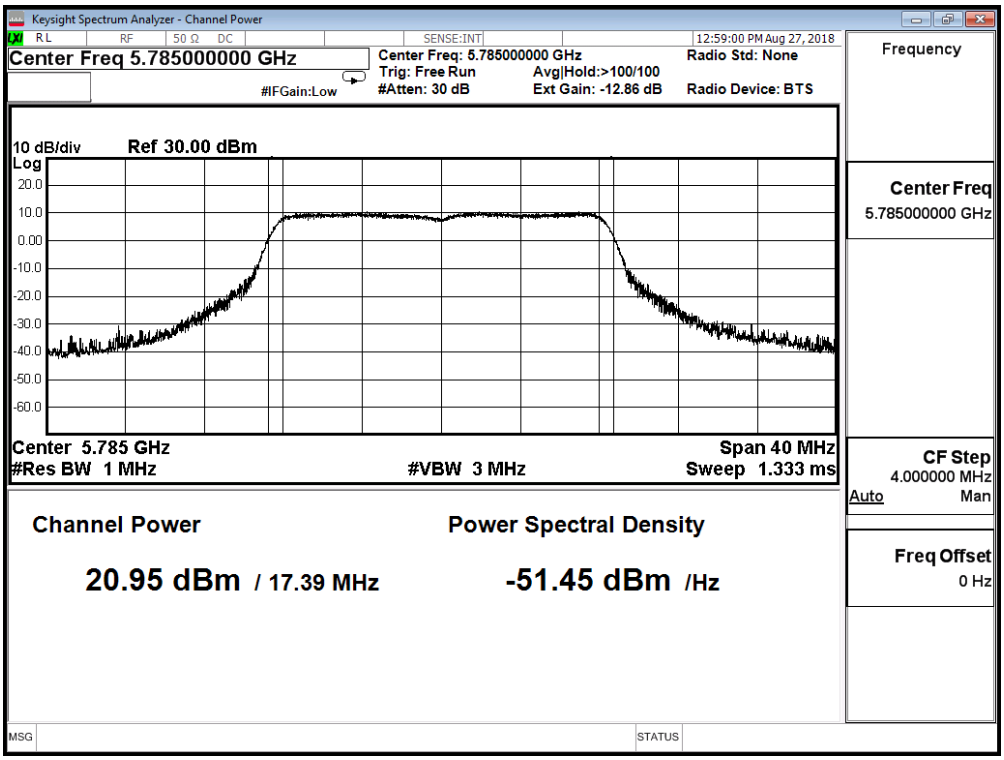
IEEE 802.11a(ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	20.510	≦30
157	5785	20.950	≦30
165	5825	20.030	≦30

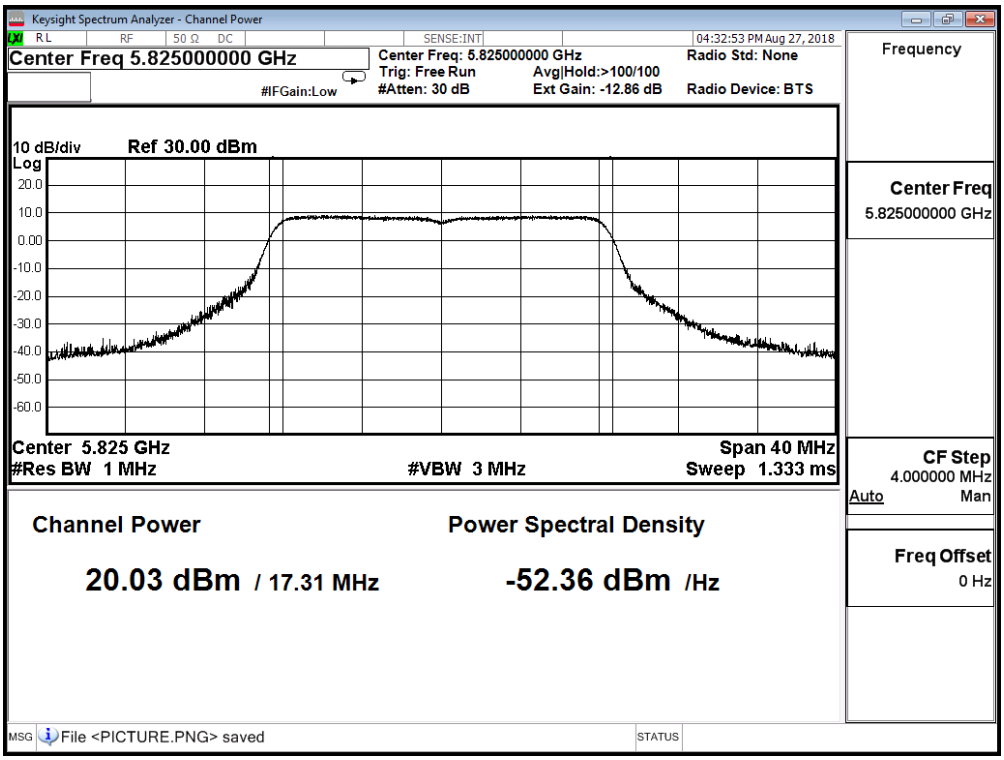
Channel 149



Channel 157



Channel 165

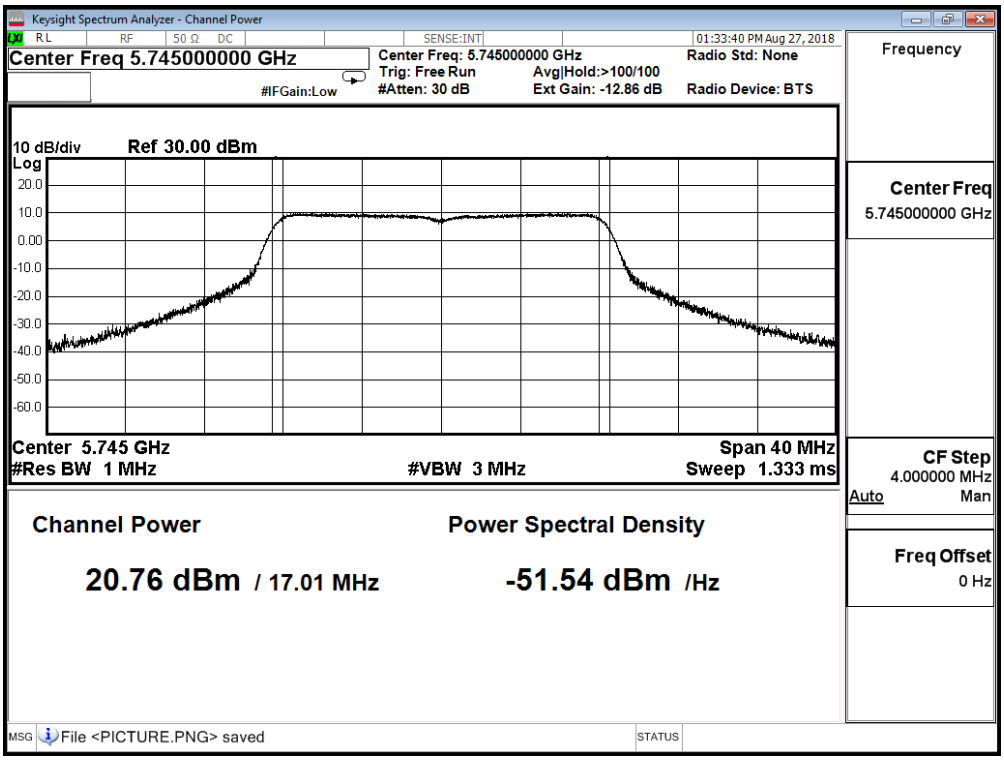


Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

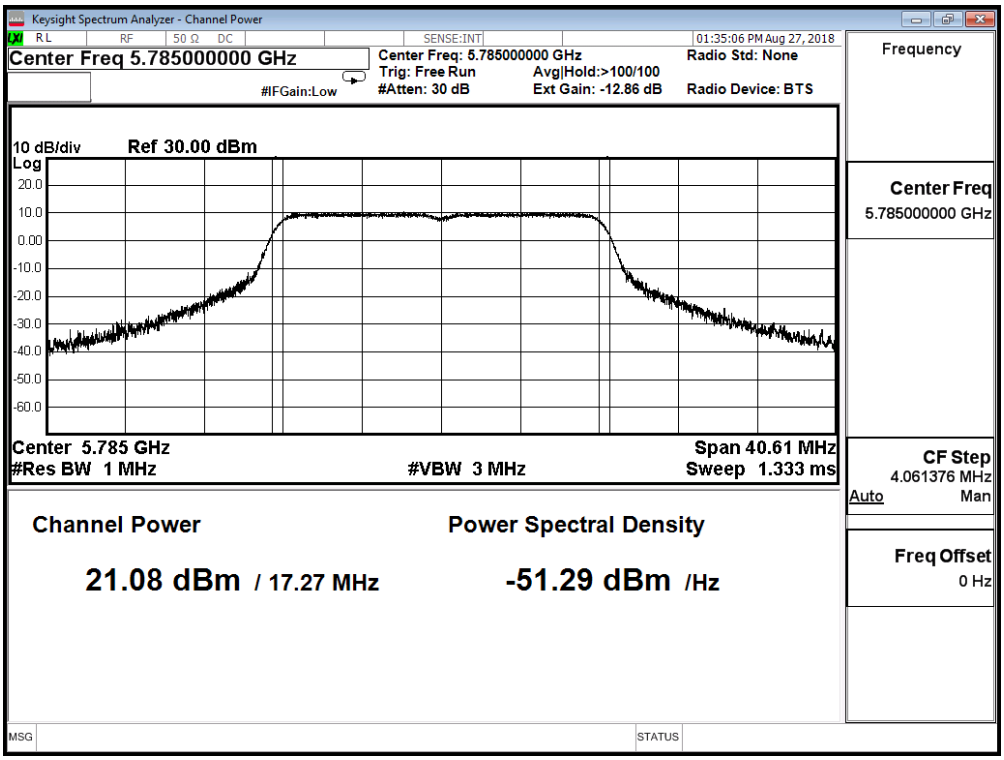
IEEE 802.11a(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	20.760	≦30
157	5785	21.080	≦30
165	5825	20.690	≦30

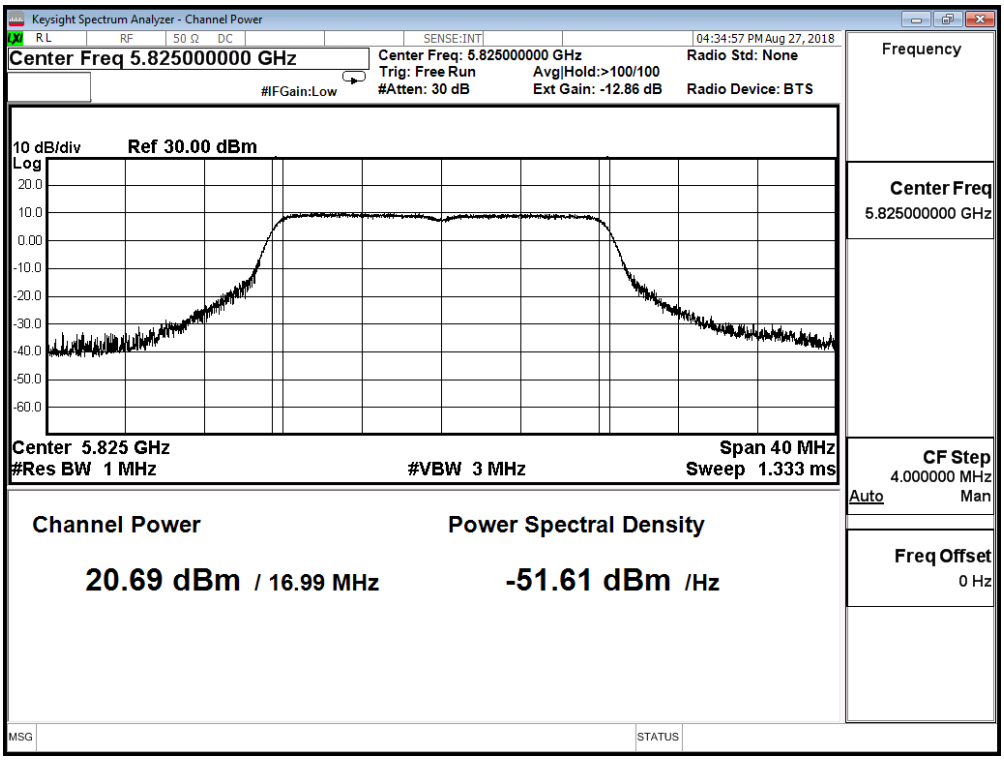
Channel 149



Channel 157



Channel 165

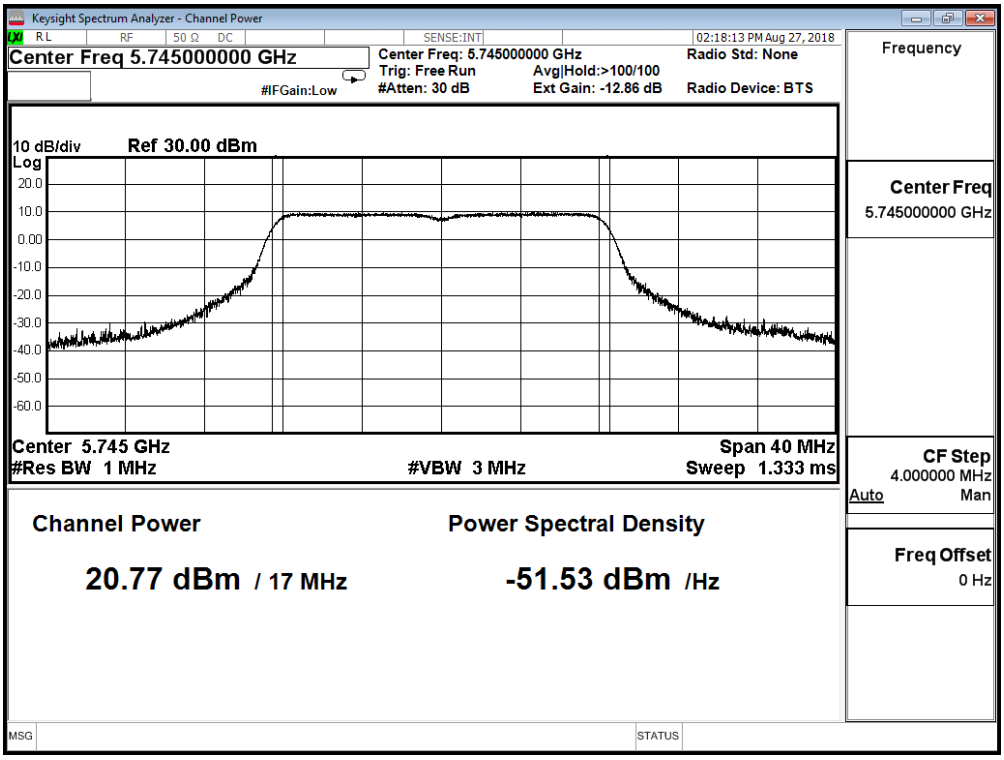


Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

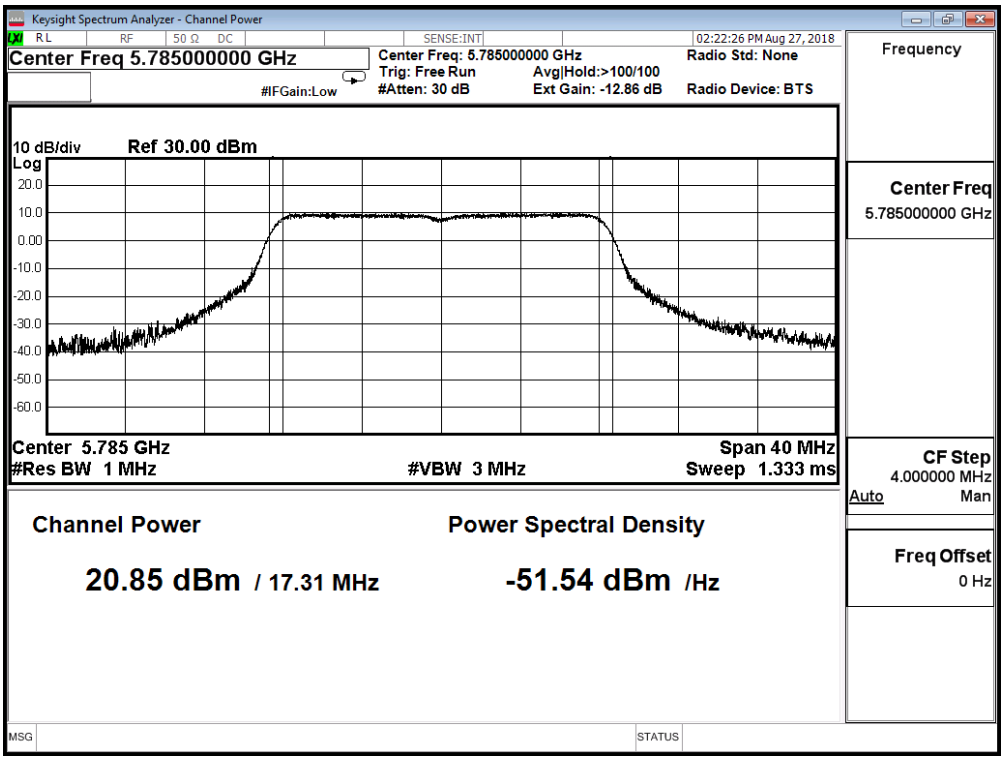
IEEE 802.11a(ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	20.770	≦30
157	5785	20.850	≦30
165	5825	20.670	≦30

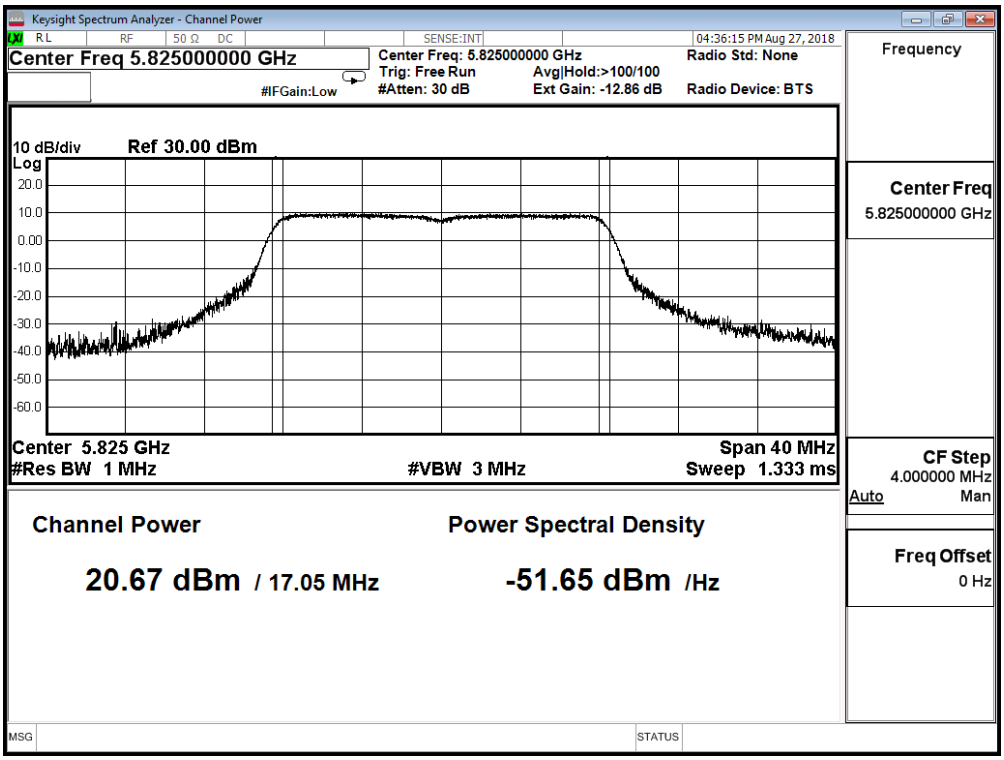
Channel 149



Channel 157



Channel 165

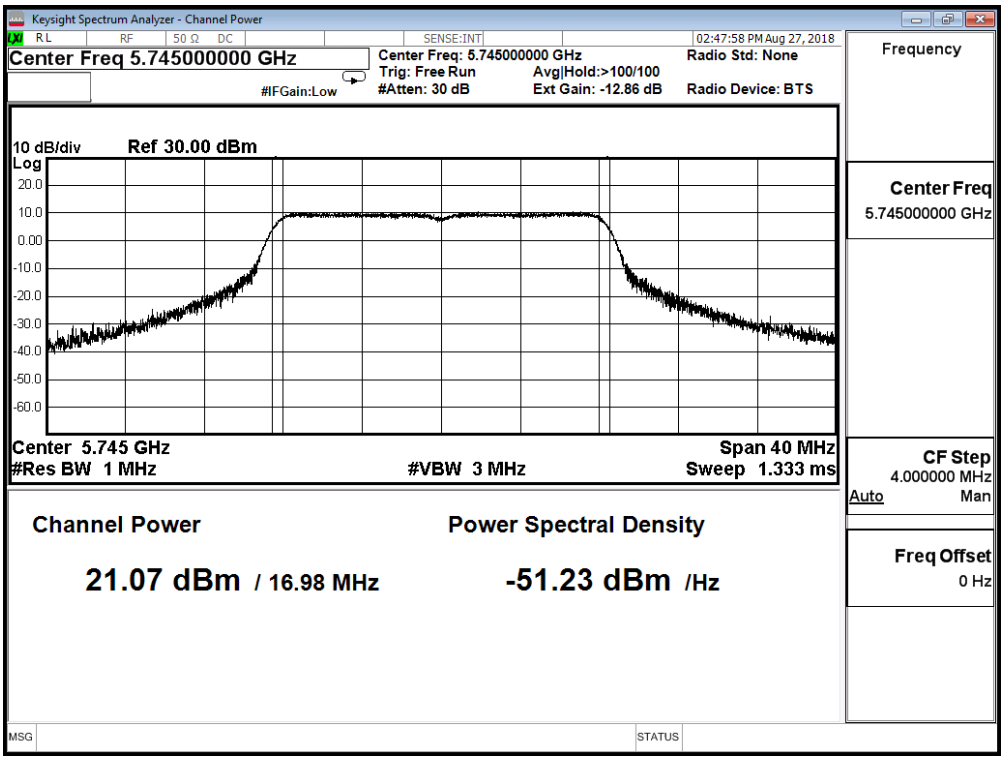


Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/27	Test Site	SR10-H

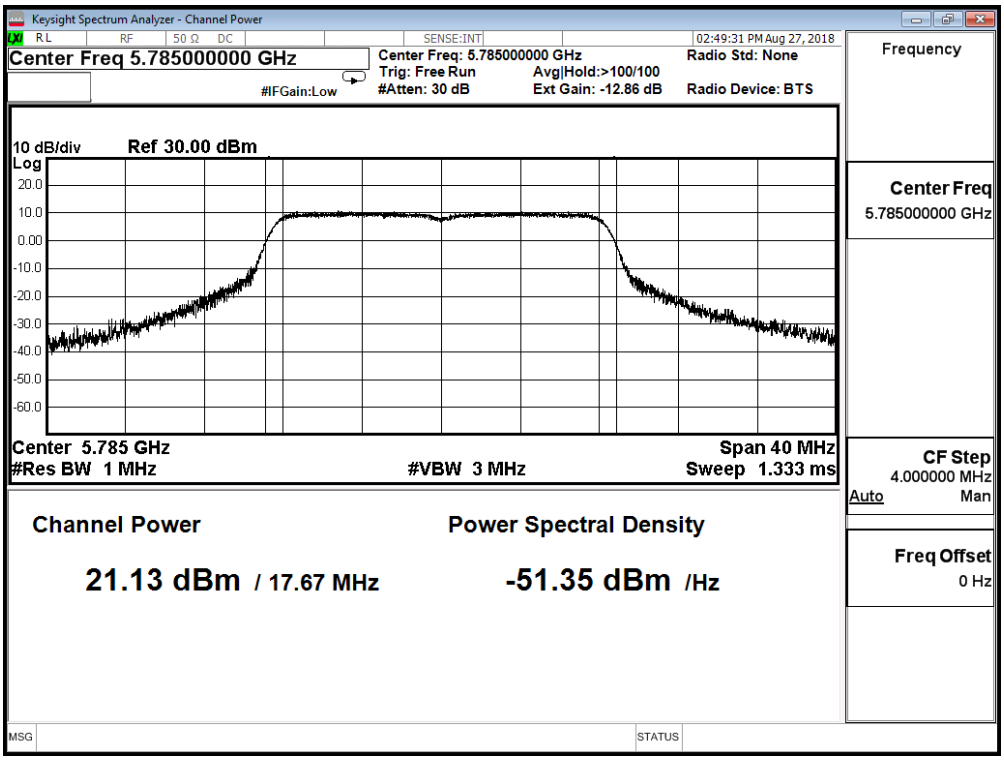
IEEE 802.11a(ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	21.070	≦30
157	5785	21.130	≦30
165	5825	21.190	≦30

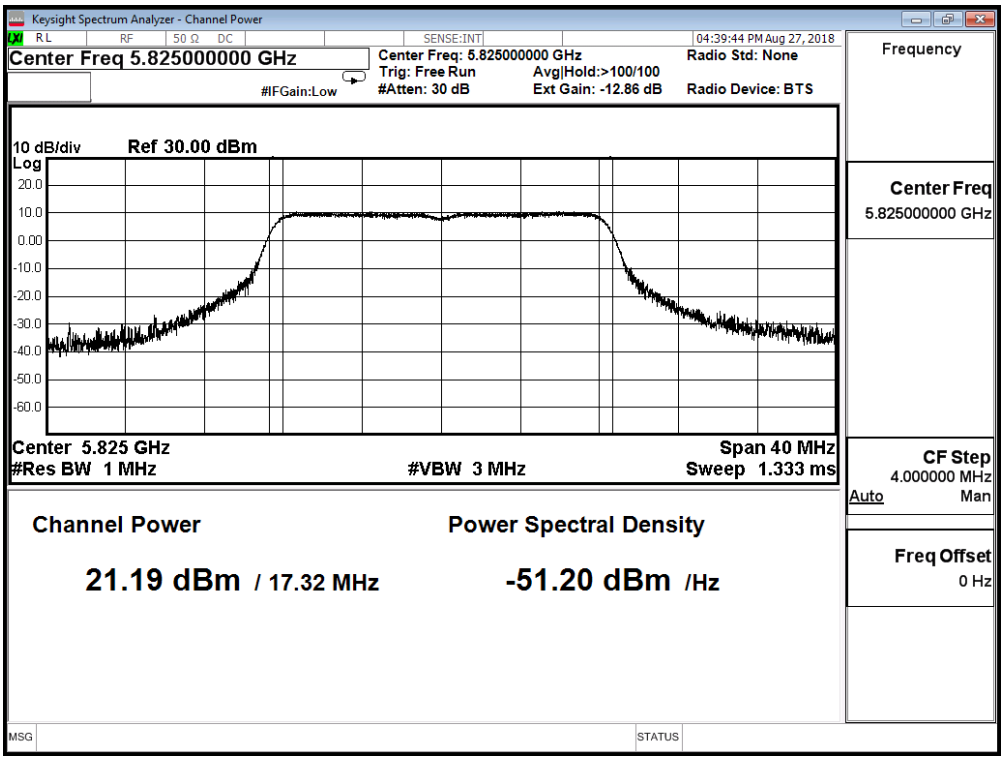
Channel 149



Channel 157



Channel 165

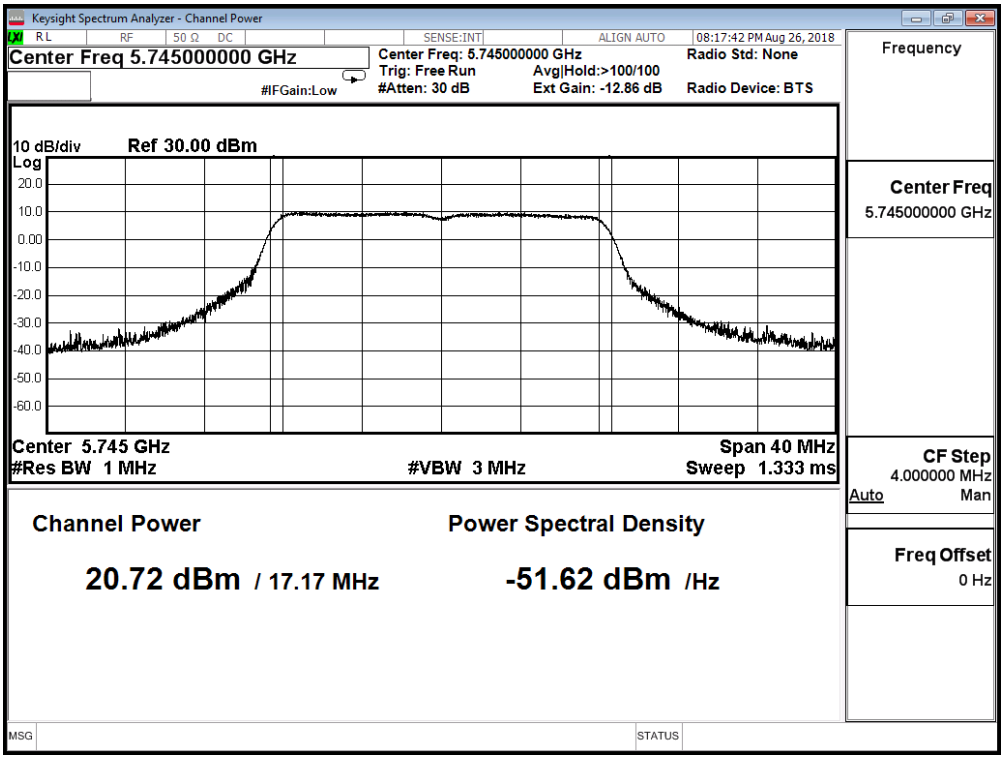


Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/26	Test Site	SR10-H

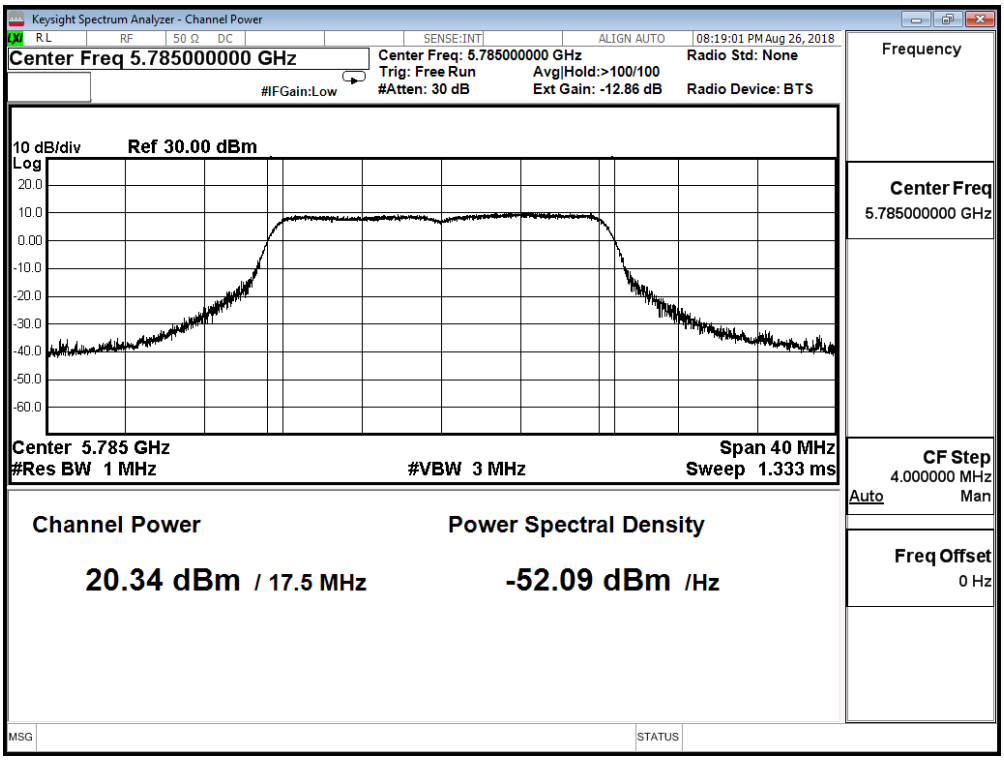
IEEE 802.11a(ANT 4)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	20.720	≦30
157	5785	20.340	≦30
165	5825	20.540	≦30

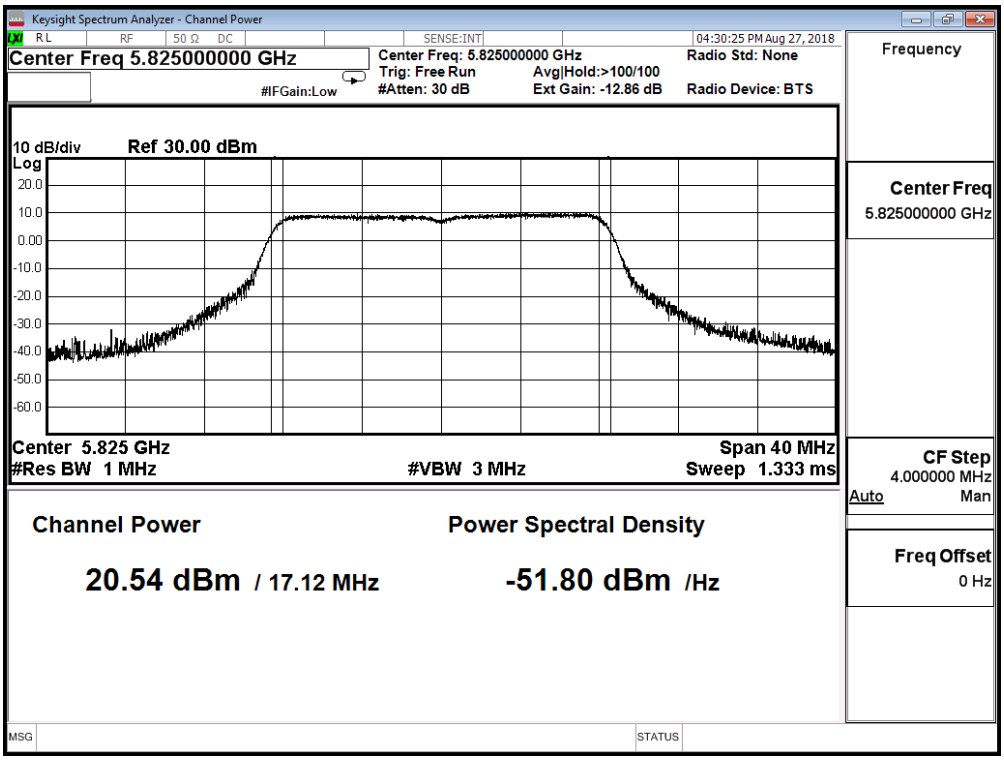
Channel 149



Channel 157



Channel 165

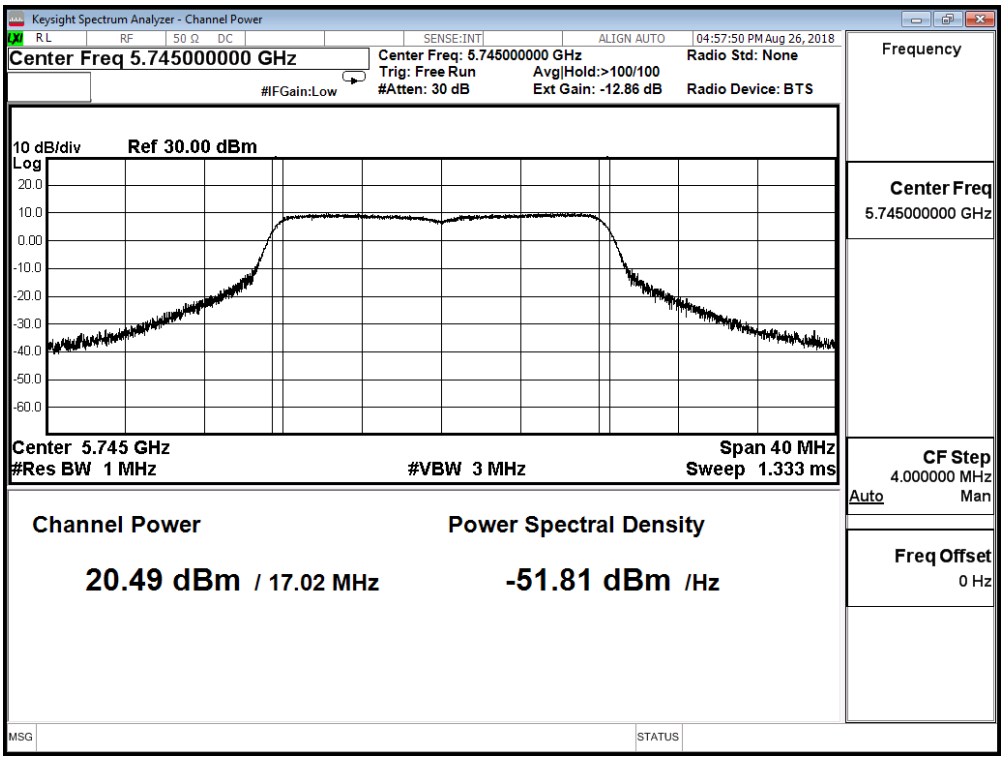


Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/26	Test Site	SR10-H

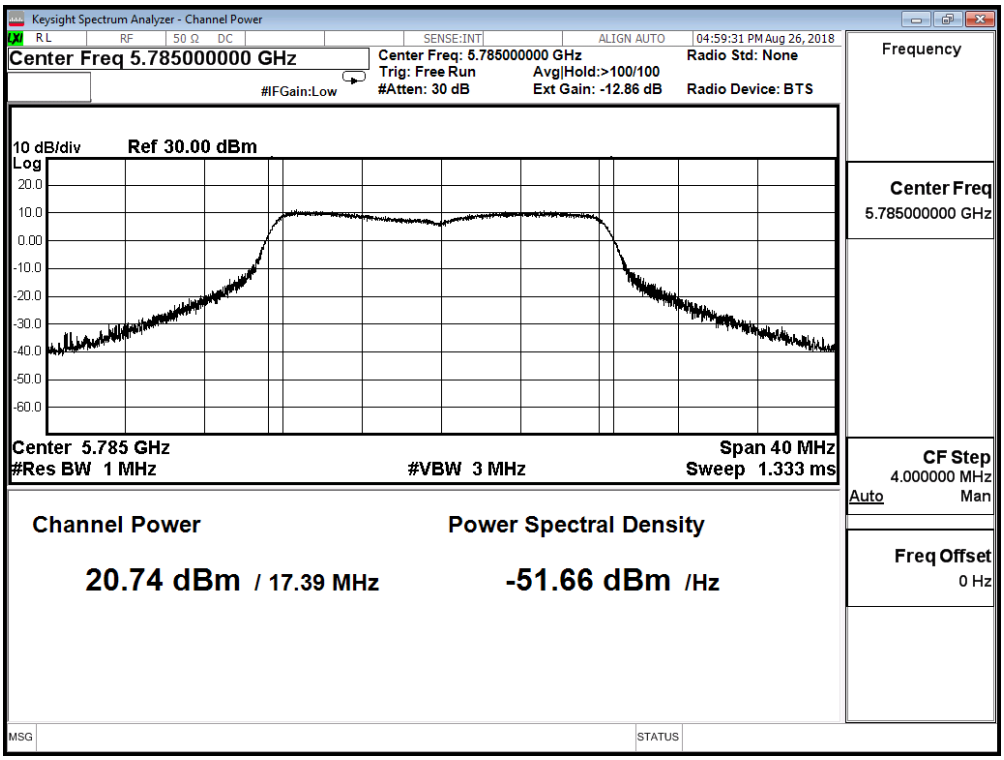
IEEE 802.11a(ANT 5)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	20.490	≦30
157	5785	20.740	≦30
165	5825	20.520	≦30

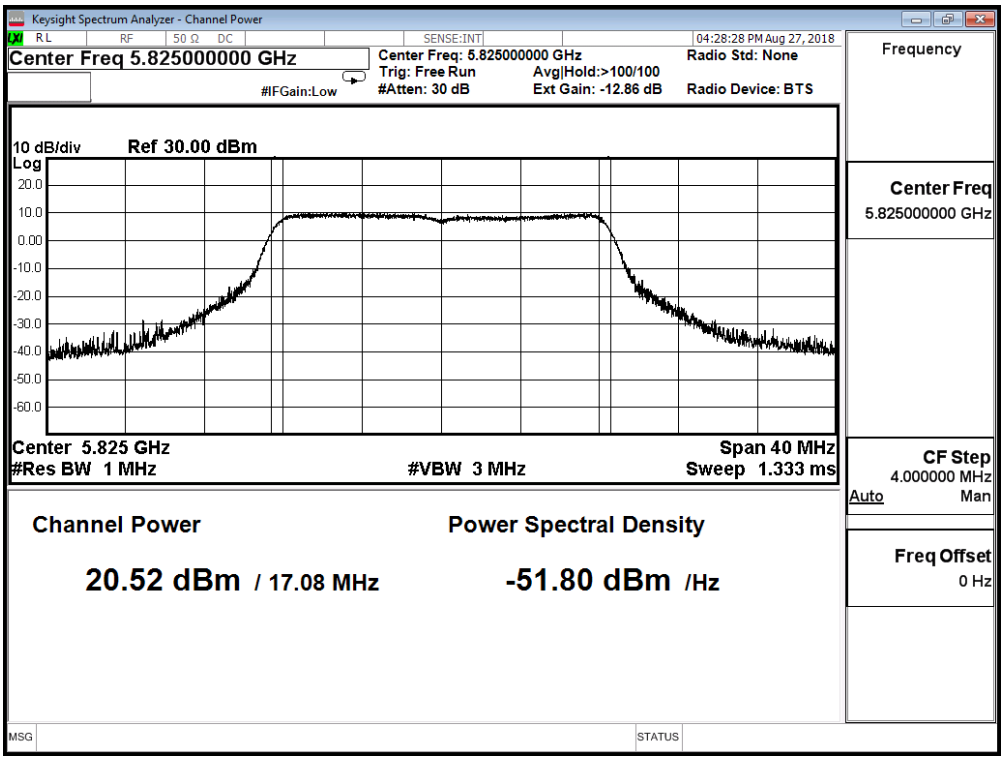
Channel 149



Channel 157



Channel 165

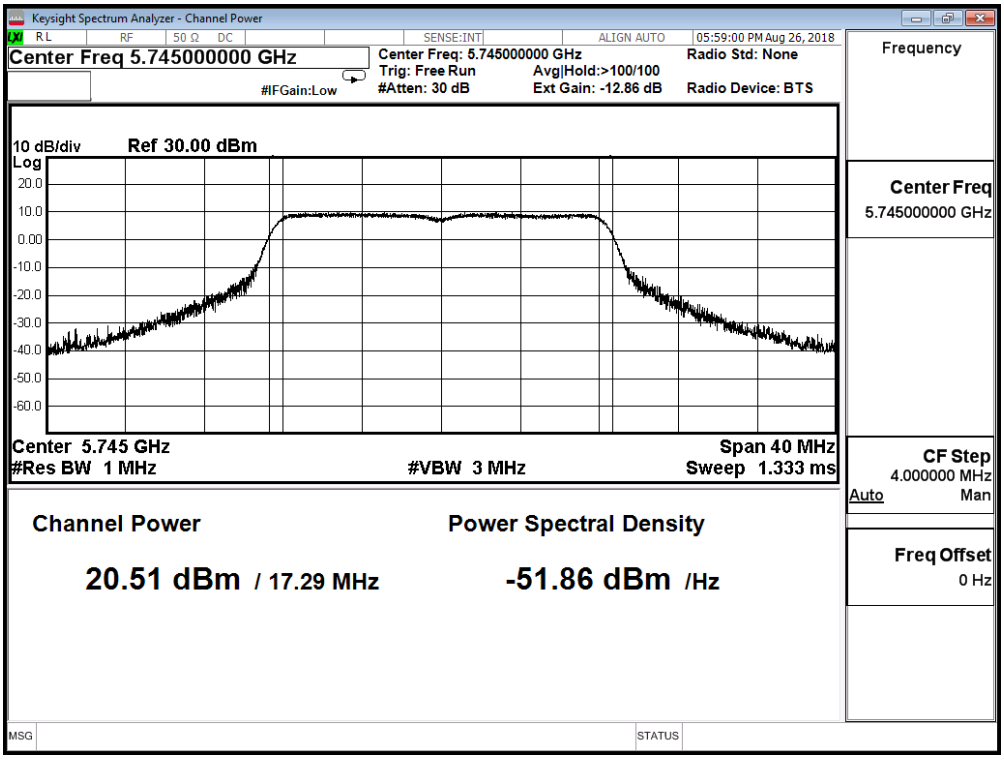


Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/26	Test Site	SR10-H

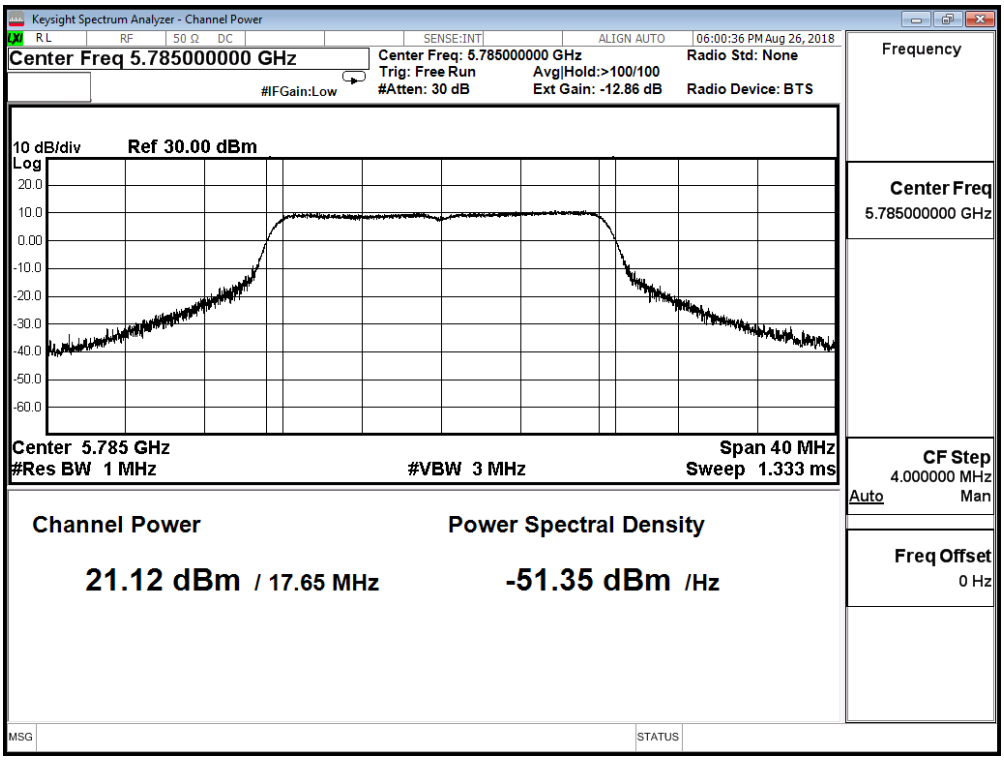
IEEE 802.11a(ANT 6)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	20.510	≦30
157	5785	21.120	≦30
165	5825	20.410	≦30

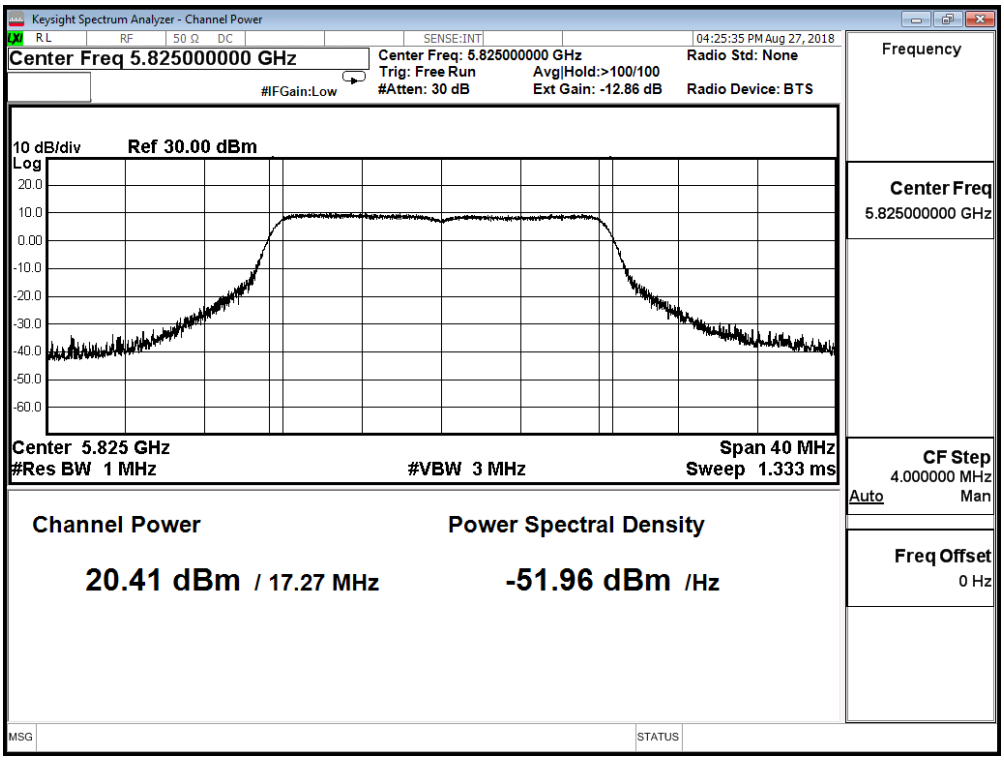
Channel 149



Channel 157



Channel 165

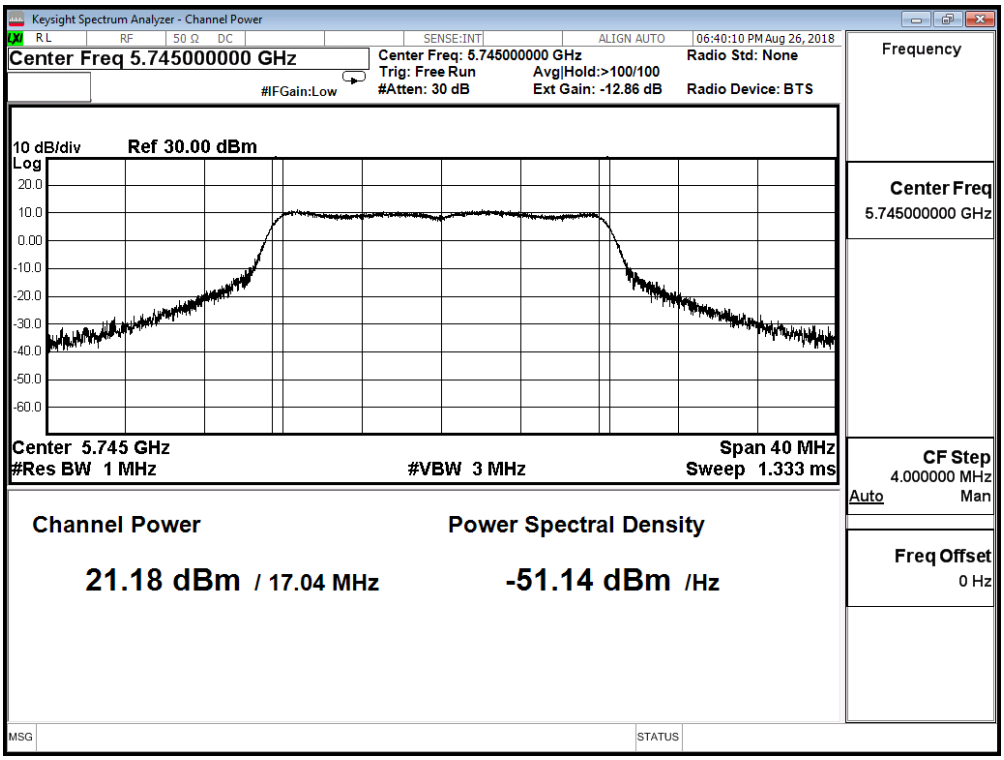


Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/26	Test Site	SR10-H

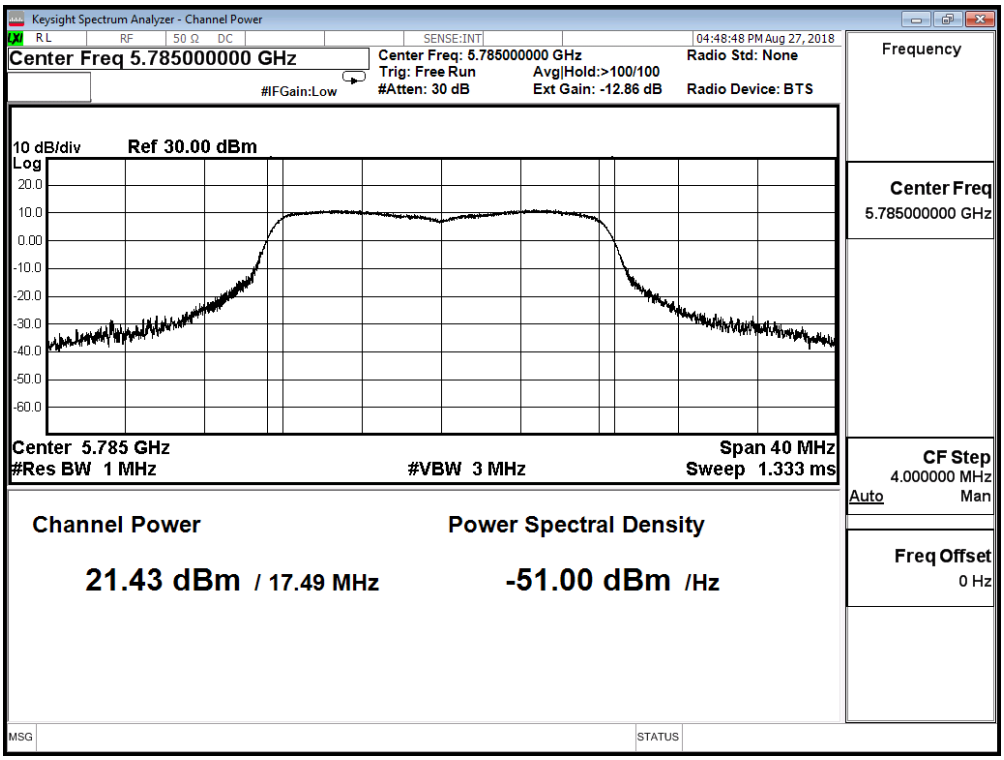
IEEE 802.11a(ANT 8)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	21.180	≦30
157	5785	21.430	≦30
165	5825	21.190	≦30

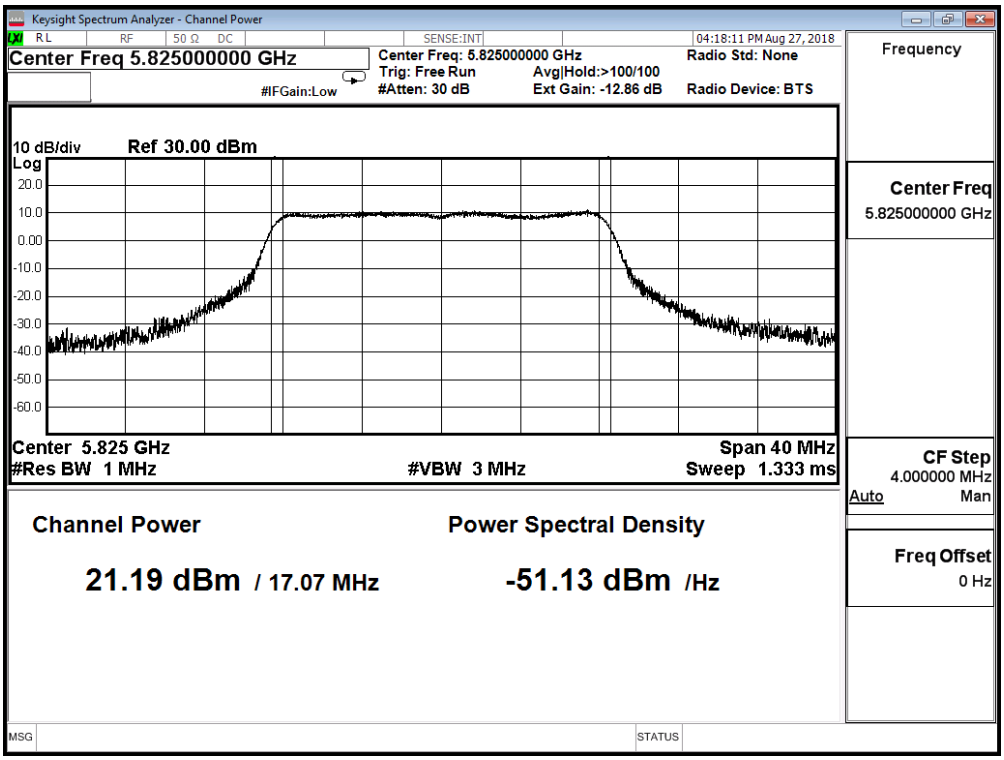
Channel 149



Channel 157



Channel 165



Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Maximum conducted output power		
Test Mode	Mode 1:TX_CDD_ADP-65DW Y		
Date of Test	2018/08/26	Test Site	SR10-H

IEEE 802.11a(ANT 0+1+2+3+4+5+6+8)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	29.789	≦30
157	5785	29.996	≦30
165	5825	29.701	≦30