Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11a (ANT 0) , power index: ch149:102, ch157:104, ch165:104

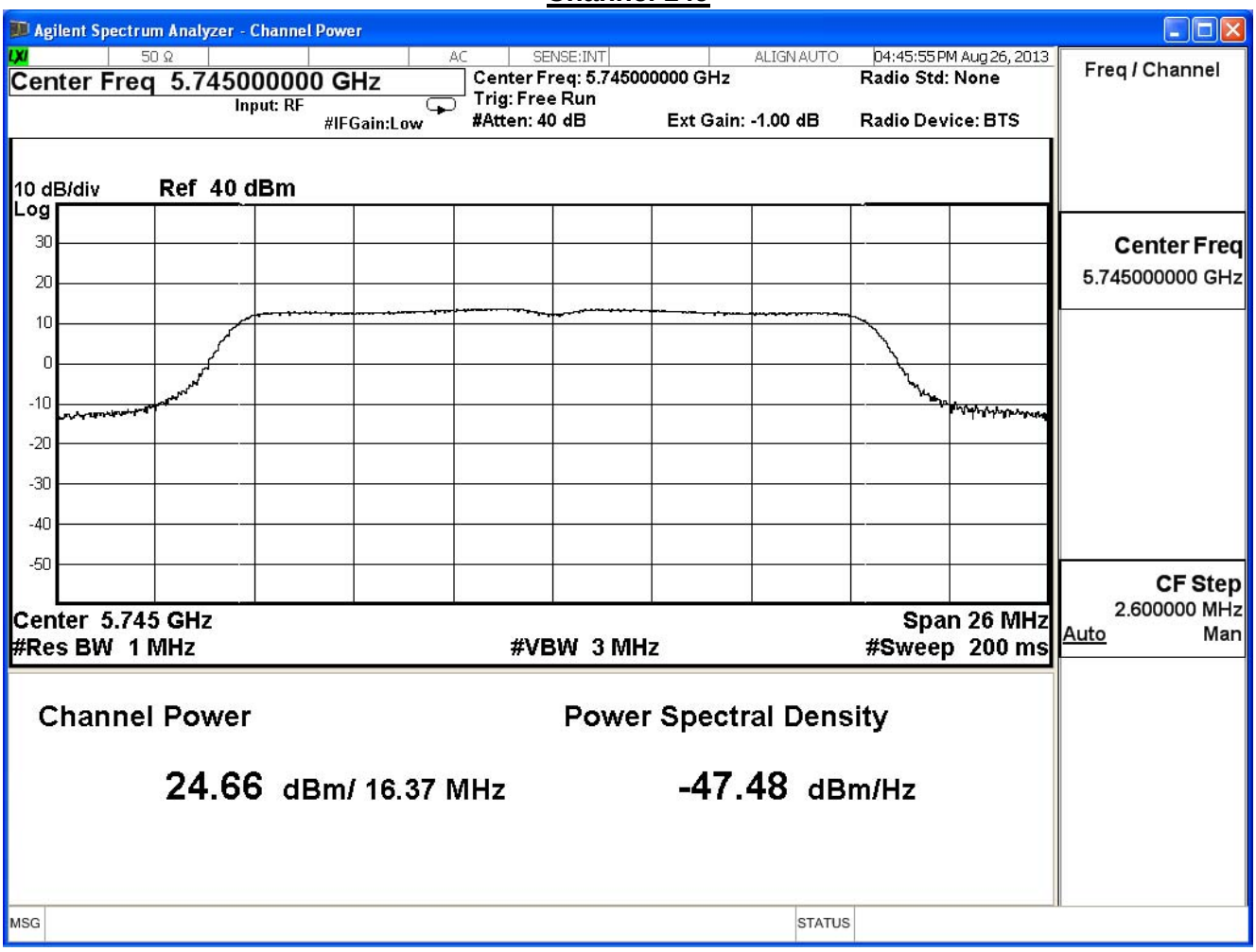
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.66	≦30	Pass
157	5785	25.07	≦30	Pass
165	5825	24.99	≦30	Pass

The worst emission of data rate is 6Mbps

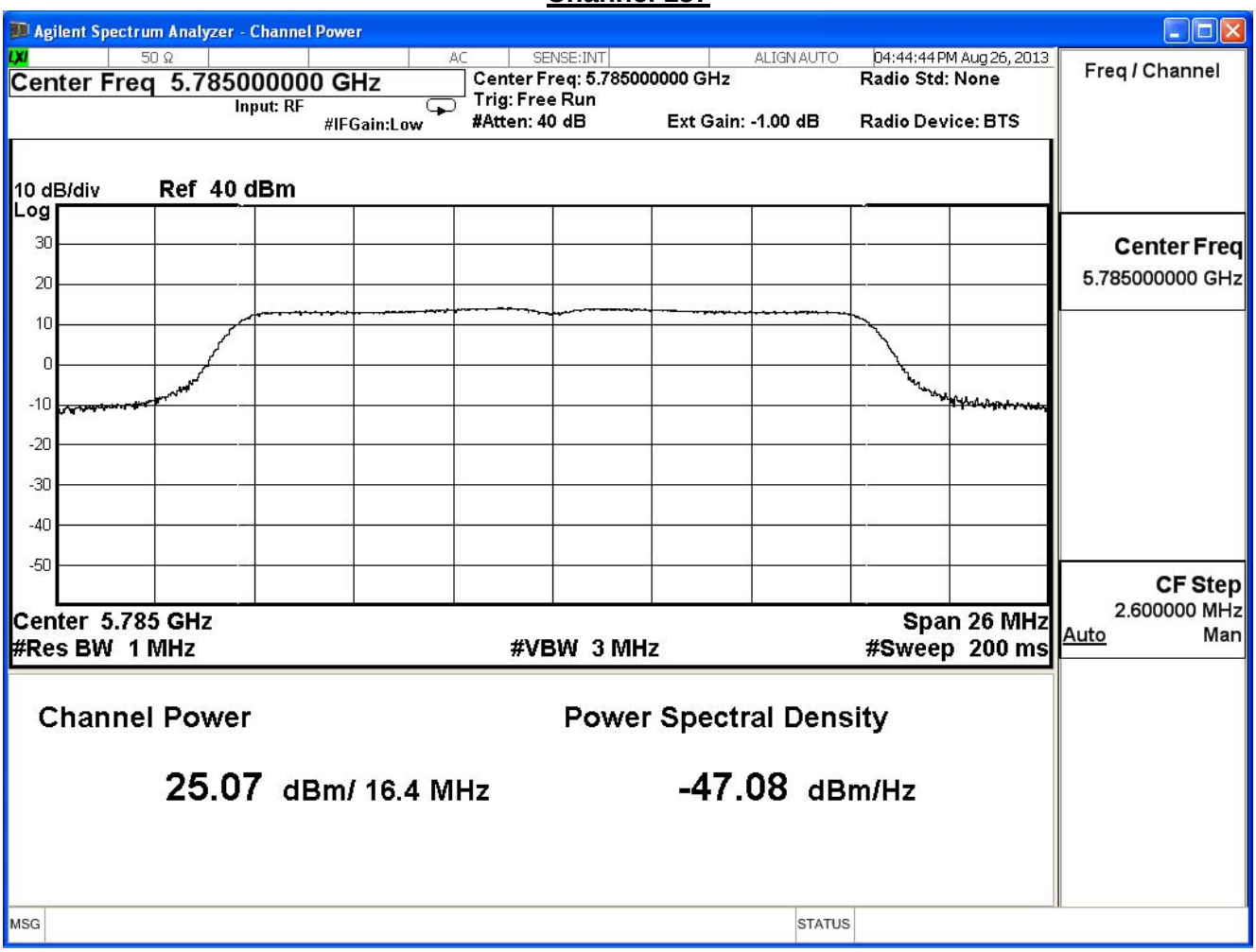
Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
149	5745	24.66	--	--	--	--	--	--	30dBm
157	5785	25.07	24.83	24.63	24.41	24.17	23.93	23.65	30dBm
165	5825	24.99	--	--	--	--	--	--	30dBm

Note: Measure Level =Reading value + cable loss

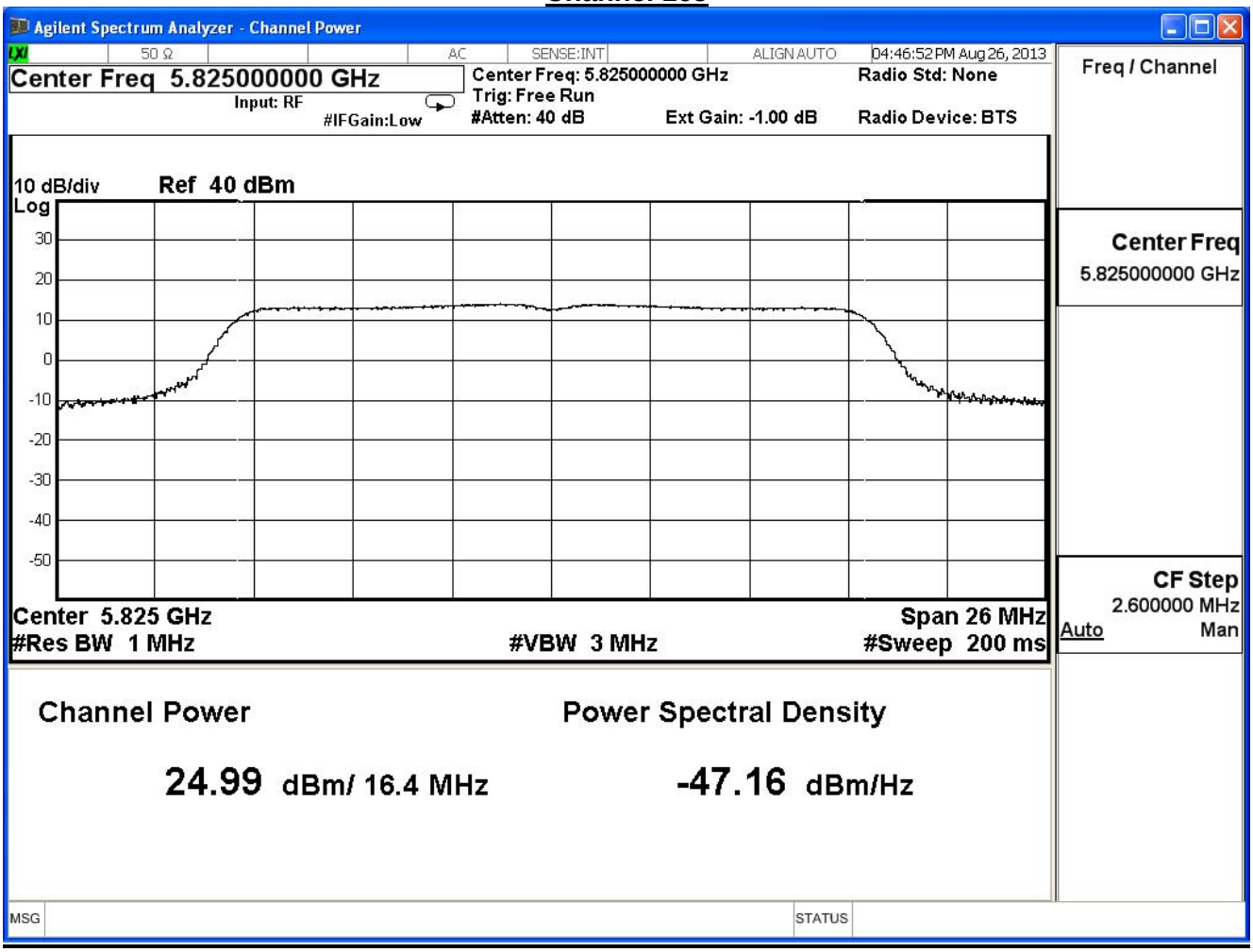
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:45:55 PM Aug 26, 2013
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.66 dBm/ 16.37 MHz
Power Spectral Density
-47.48 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:44:44 PM Aug 26, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
25.07 dBm/ 16.4 MHz
Power Spectral Density
-47.08 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:46:52 PM Aug 26, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.99 dBm/ 16.4 MHz
Power Spectral Density
-47.16 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11a (ANT 1) , power index: ch149:102, ch157:104, ch165:104

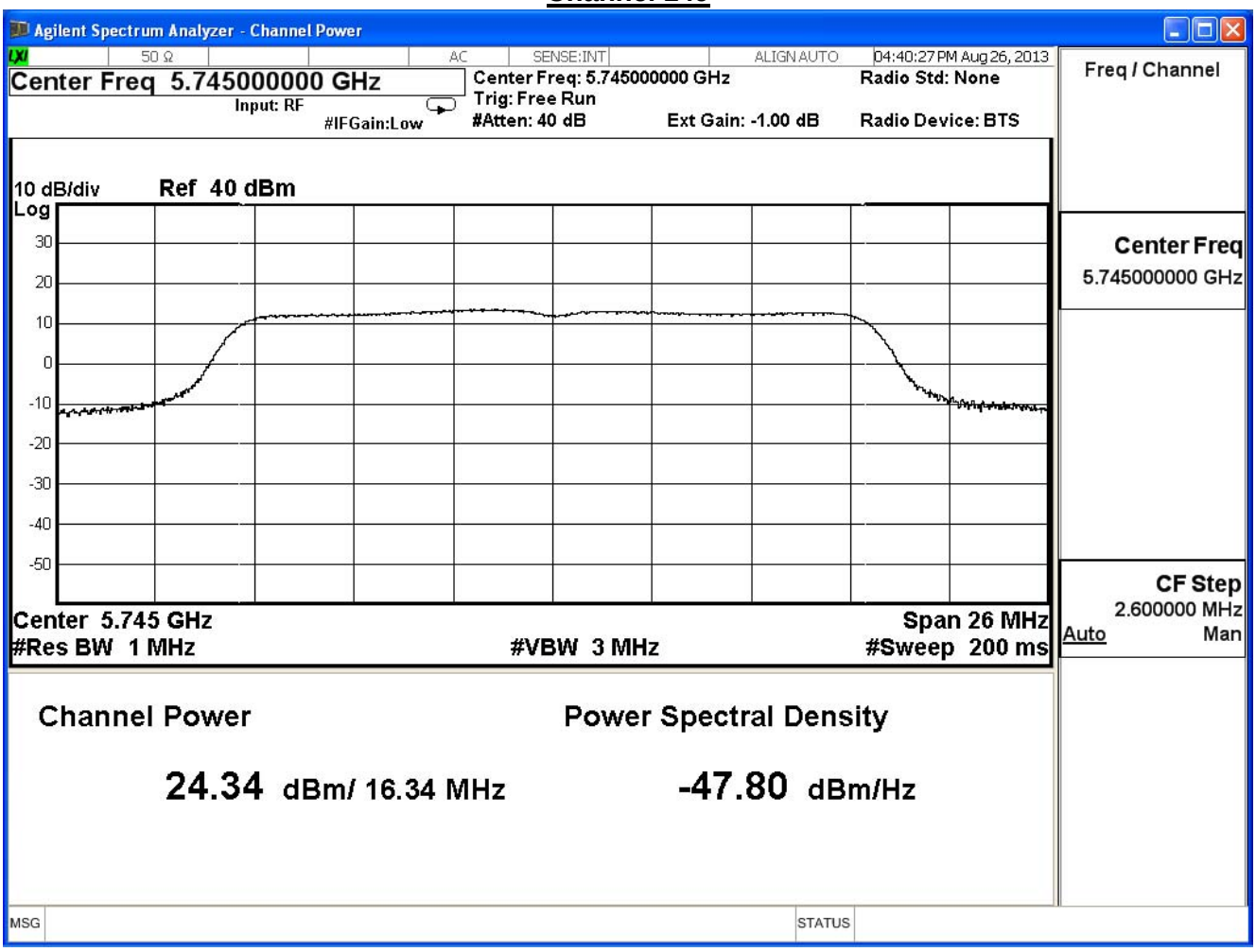
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.34	≦30	Pass
157	5785	24.92	≦30	Pass
165	5825	24.66	≦30	Pass

The worst emission of data rate is 6Mbps

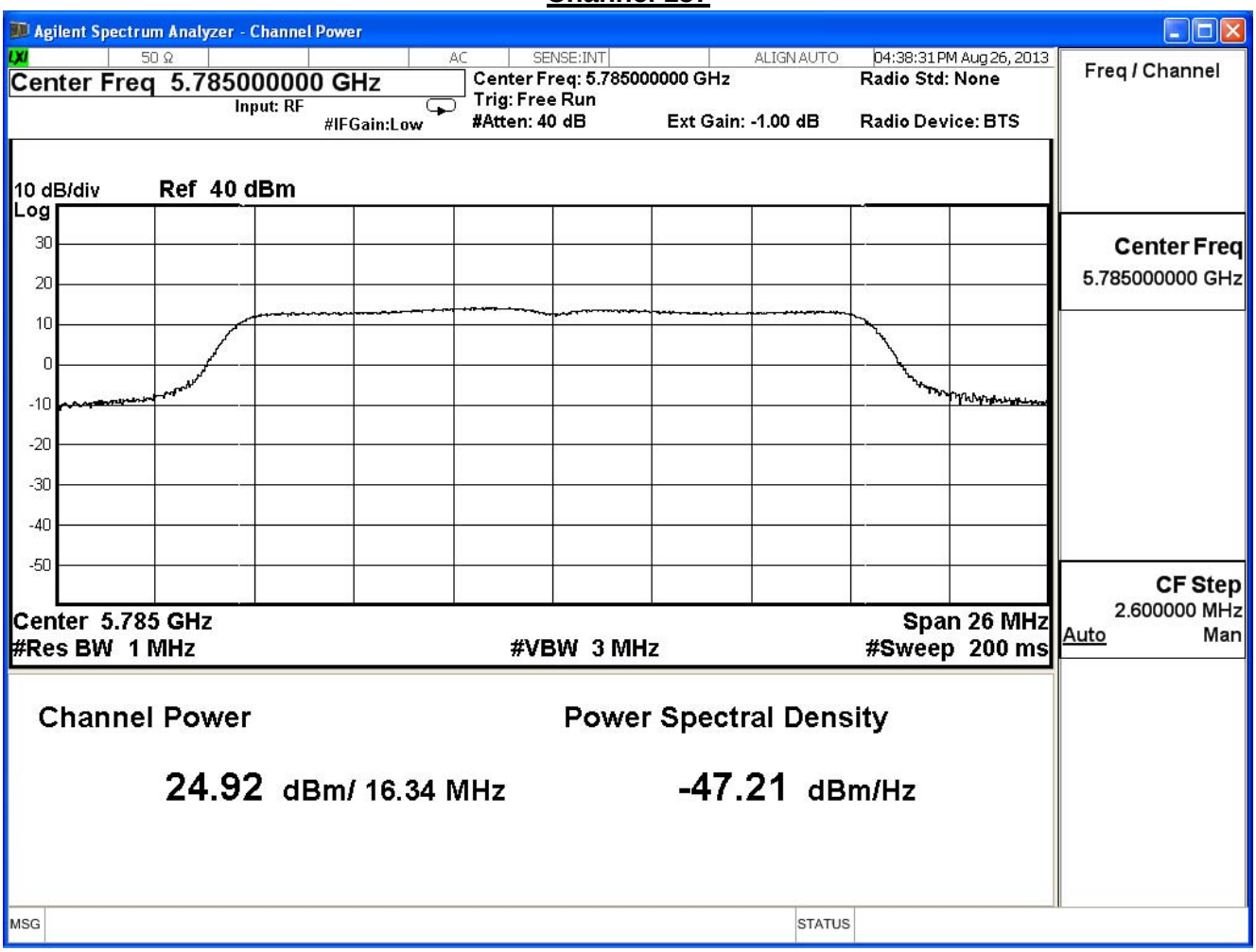
Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
149	5745	24.66	--	--	--	--	--	--	30dBm
157	5785	25.07	24.83	24.63	24.41	24.17	23.93	23.65	30dBm
165	5825	24.99	--	--	--	--	--	--	30dBm

Note: Measure Level =Reading value + cable loss

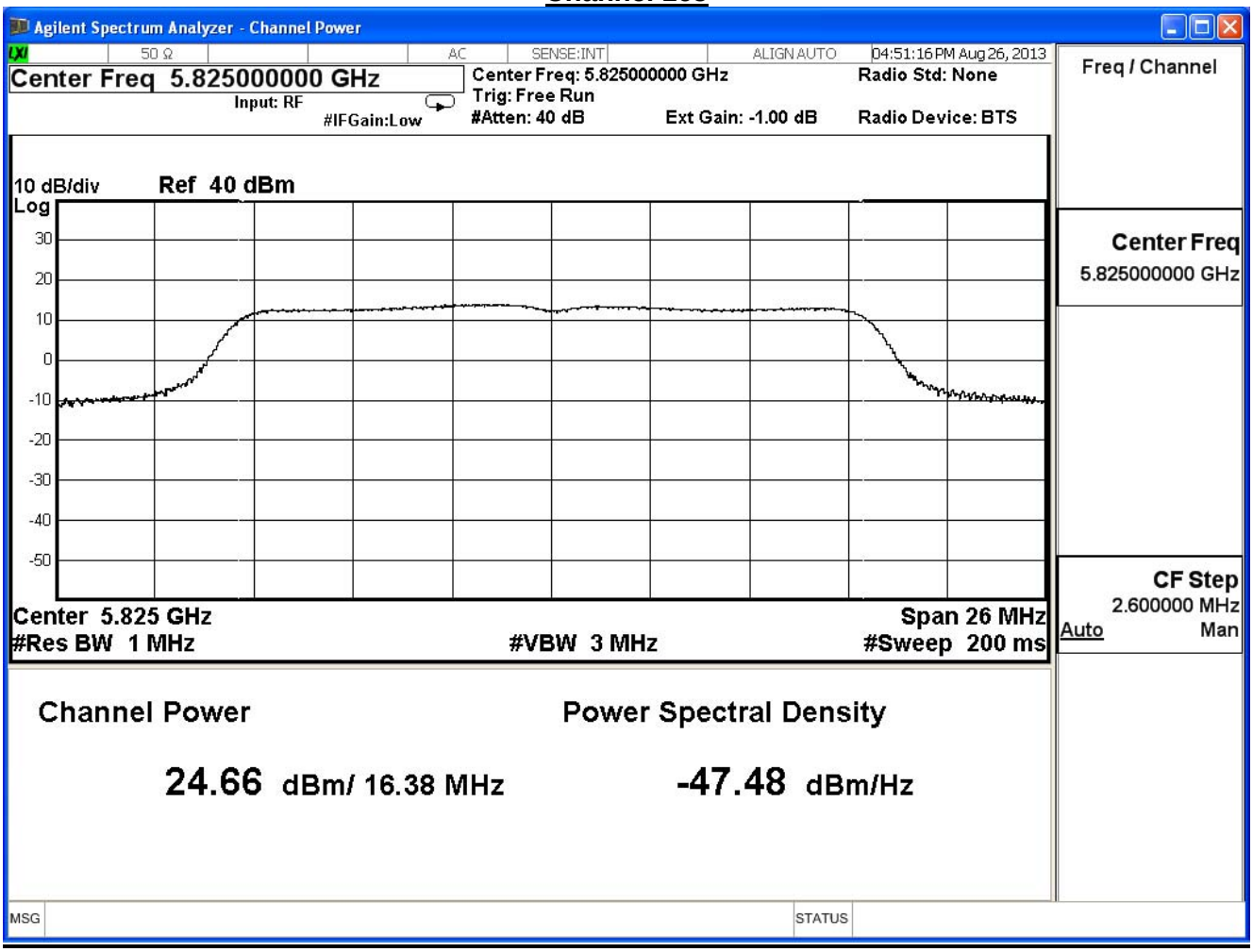
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:40:27 PM Aug 26, 2013
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.34 dBm/ 16.34 MHz
Power Spectral Density
-47.80 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:38:31 PM Aug 26, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.92 dBm/ 16.34 MHz
Power Spectral Density
-47.21 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:51:16 PM Aug 26, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.66 dBm/ 16.38 MHz
Power Spectral Density
-47.48 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11a (ANT 2) , power index: ch149:102, ch157:104, ch165:104

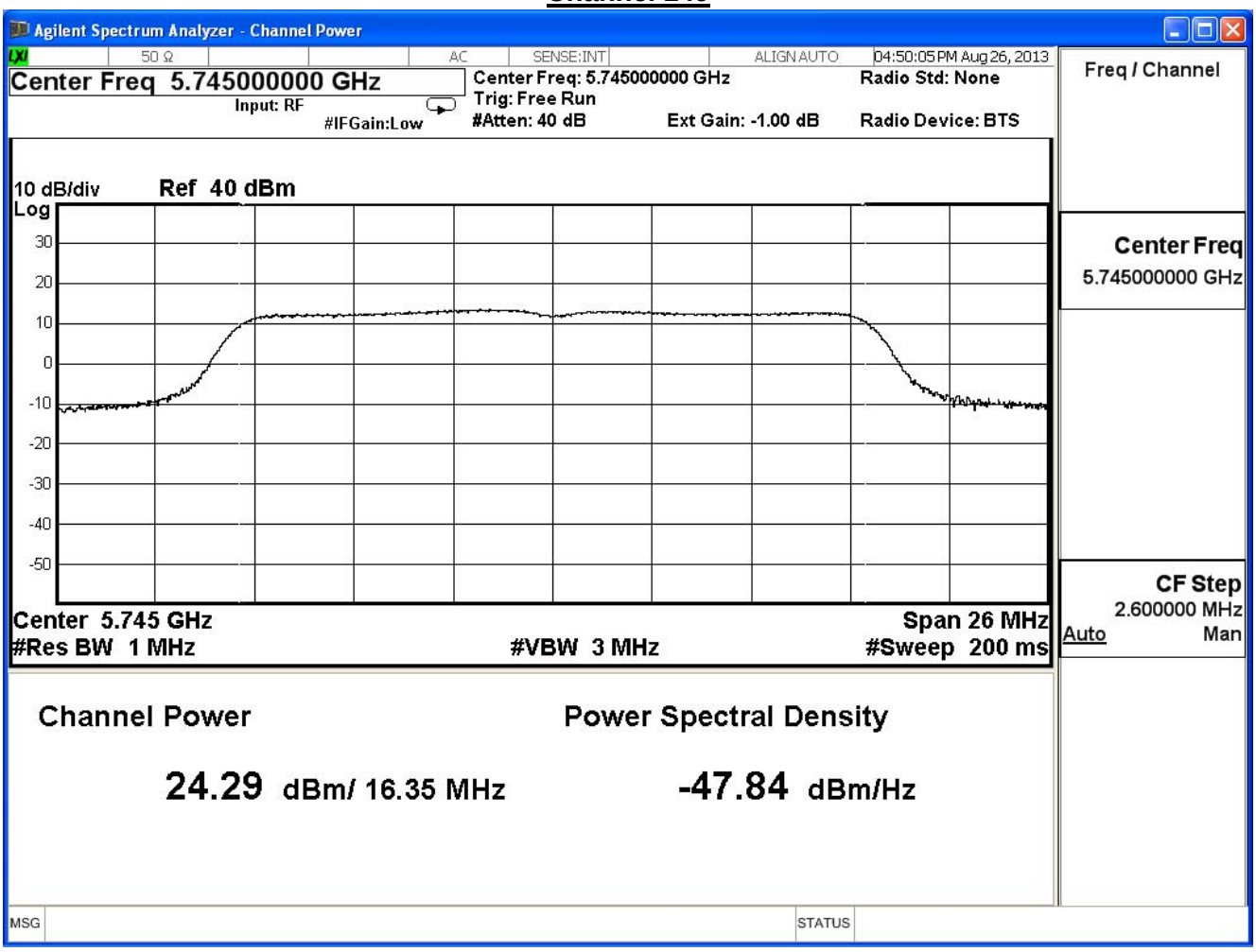
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.29	≦30	Pass
157	5785	24.87	≦30	Pass
165	5825	24.75	≦30	Pass

The worst emission of data rate is 6Mbps

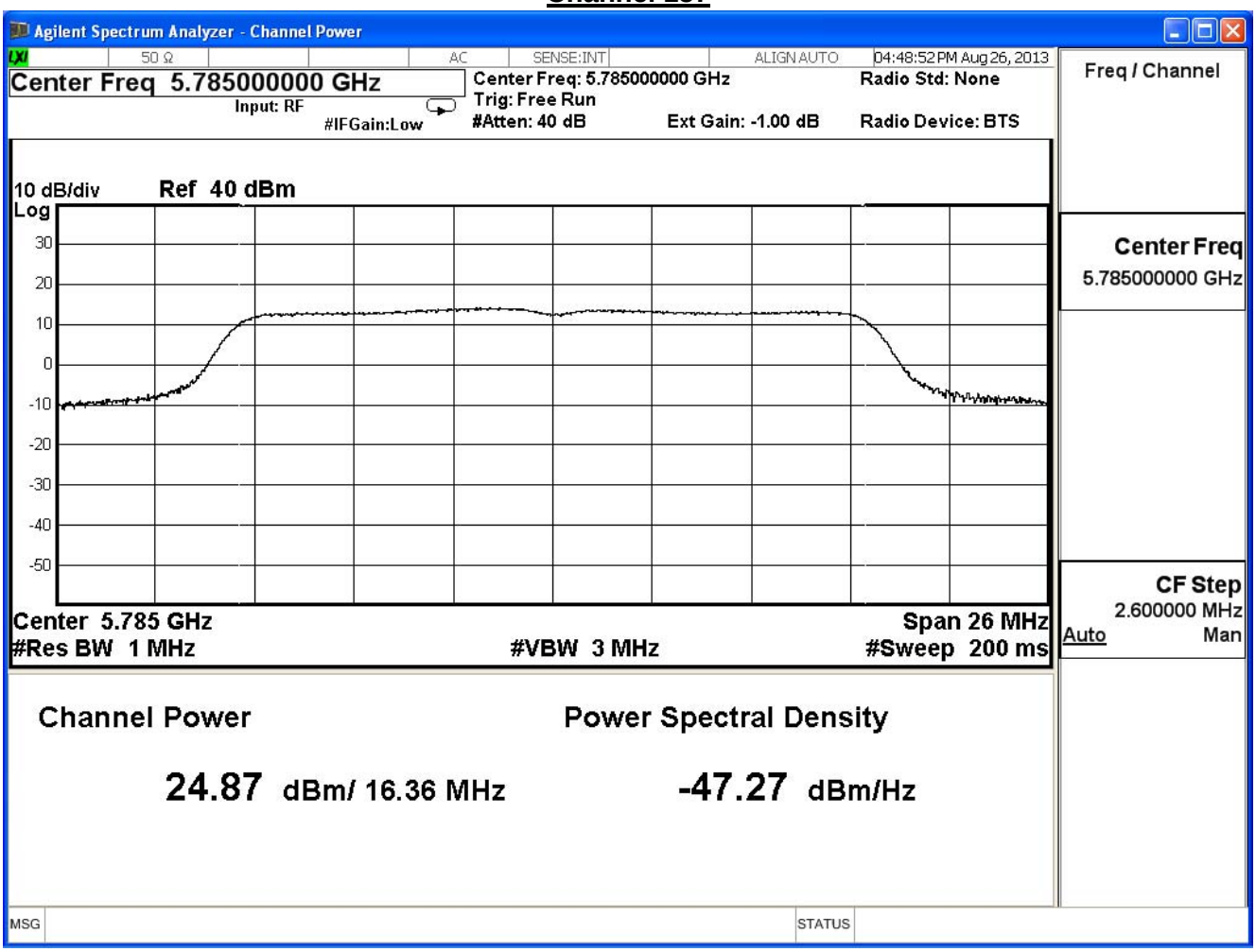
Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
149	5745	24.29	--	--	--	--	--	--	30dBm
157	5785	24.87	24.63	24.43	24.32	24.08	23.84	23.70	30dBm
165	5825	24.75	--	--	--	--	--	--	30dBm

Note: Measure Level =Reading value + cable loss

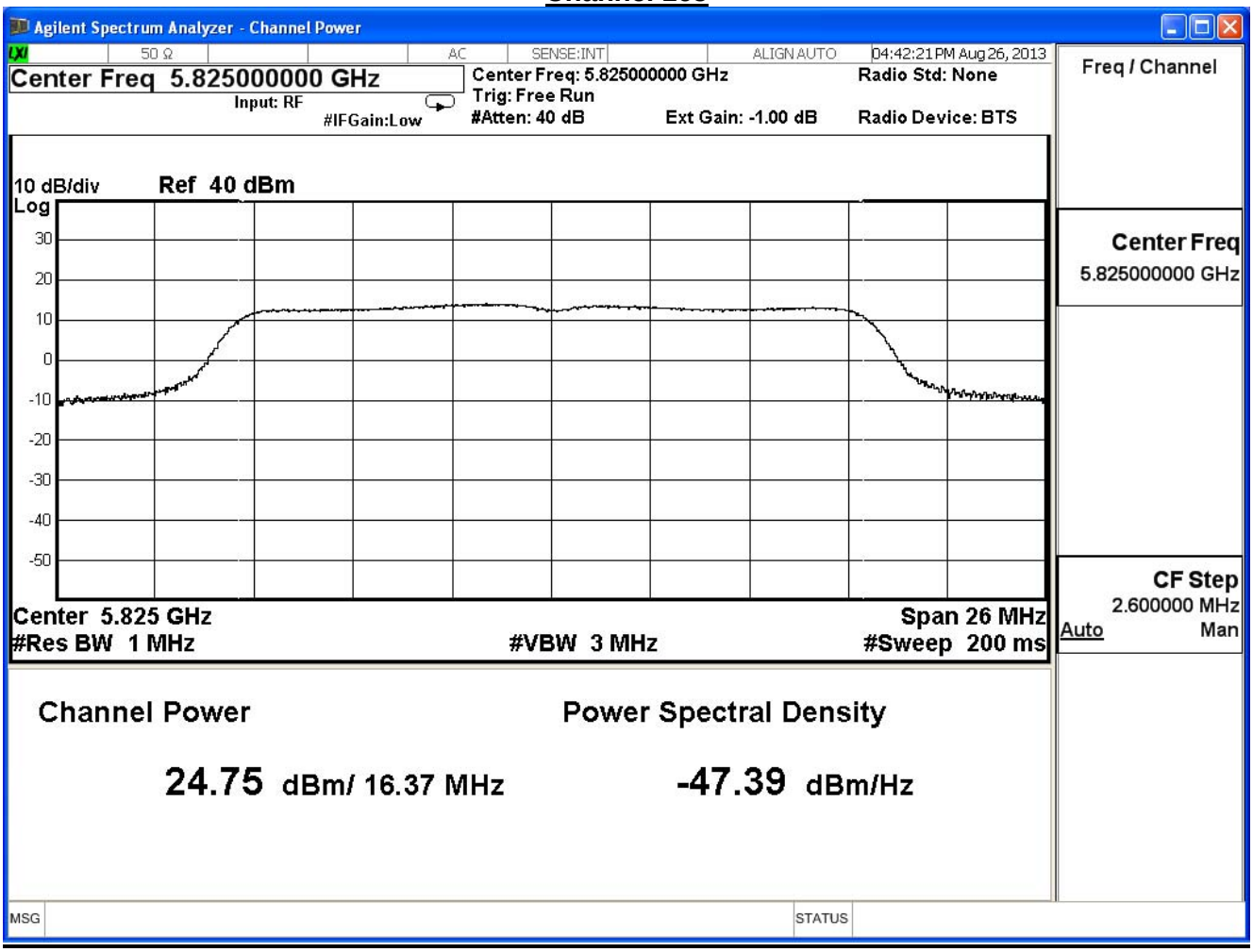
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:50:05 PM Aug 26, 2013
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.29 dBm/ 16.35 MHz
Power Spectral Density
-47.84 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:48:52 PM Aug 26, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.87 dBm/ 16.36 MHz
Power Spectral Density
-47.27 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:42:21 PM Aug 26, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.75 dBm/ 16.37 MHz
Power Spectral Density
-47.39 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11a (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	29.20	≦30	Pass
157	5785	29.73	≦30	Pass
165	5825	29.57	≦30	Pass

The worst emission of data rate is 6Mbps

Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
149	5745	29.20	--	--	--	--	--	--	30dBm
157	5785	29.73	29.54	29.34	29.15	28.91	28.67	28.44	30dBm
165	5825	29.57	--	--	--	--	--	--	30dBm

Note: Measure Level =Reading value + cable loss

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11 n 20MHz (ANT 0) , power index: ch149:100, ch157:104, ch165:104

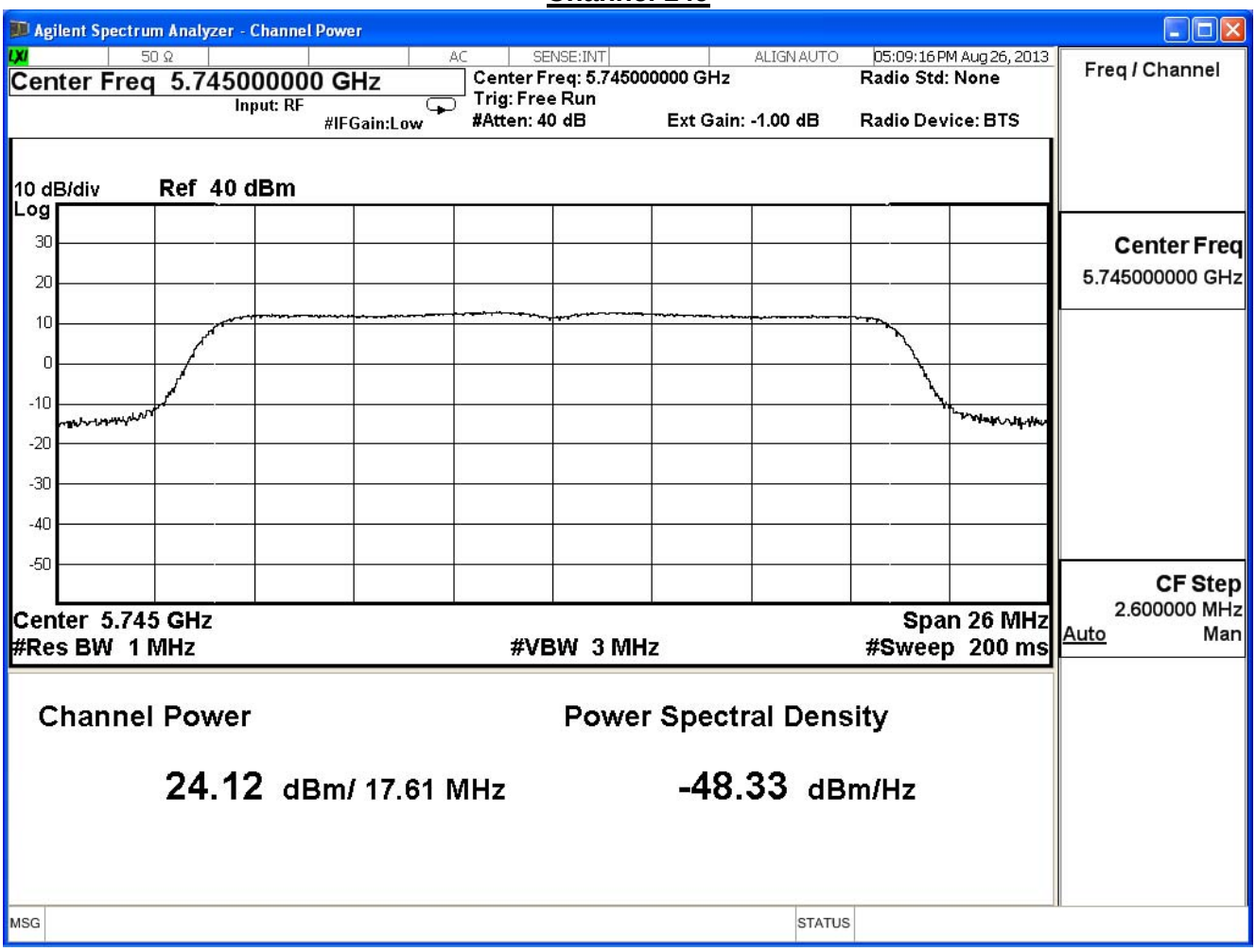
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.12	≦30	Pass
157	5785	24.95	≦30	Pass
165	5825	24.98	≦30	Pass

The worst emission of data rate is 19.5Mbps

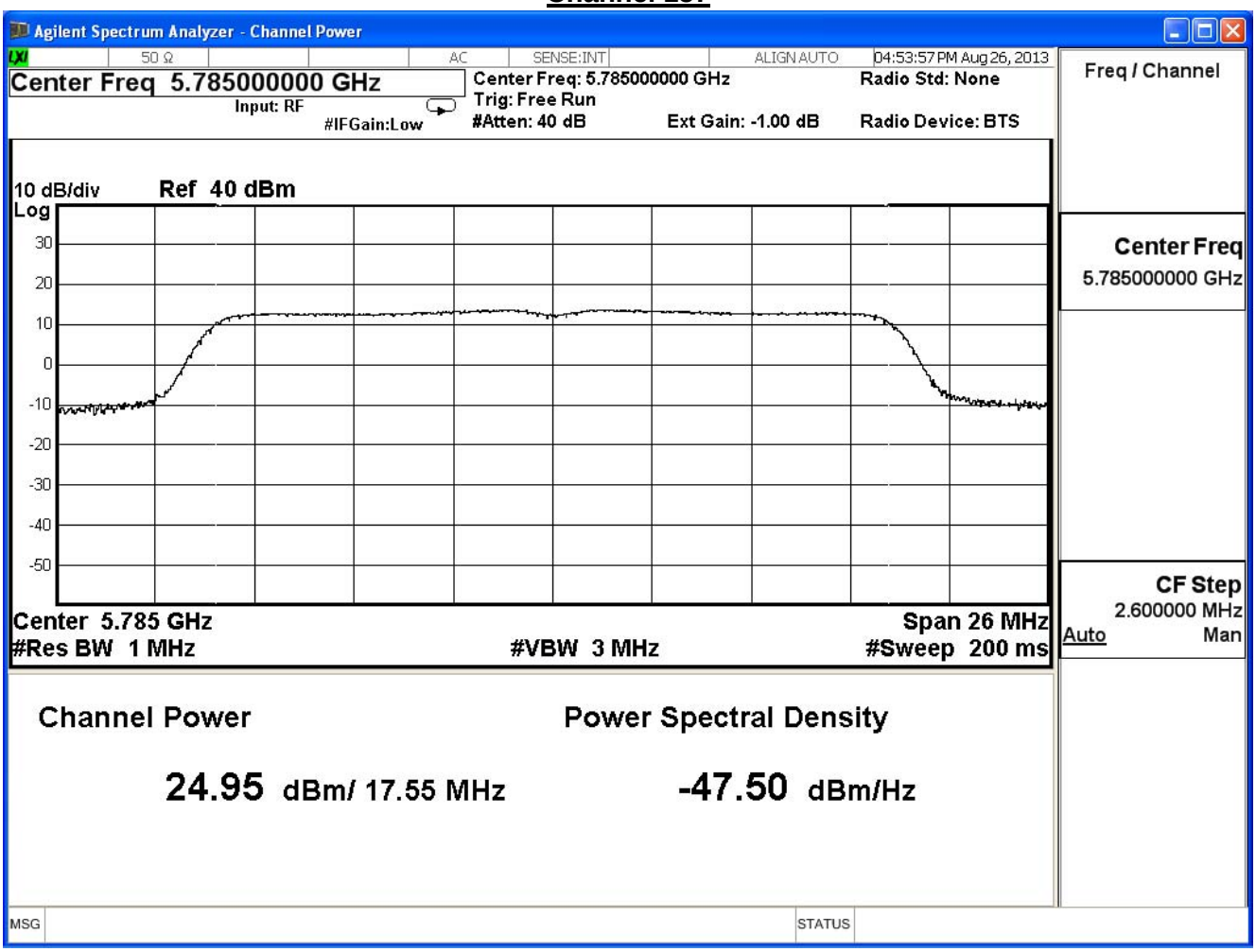
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	24.13	--	--	--	--	--	--	--	30dBm
157	5785	24.95	24.84	24.64	24.44	24.32	24.08	23.93	23.69	30dBm
165	5825	24.98	--	--	--	--	--	--	--	30dBm

Note: Measure Level =Reading value + cable loss

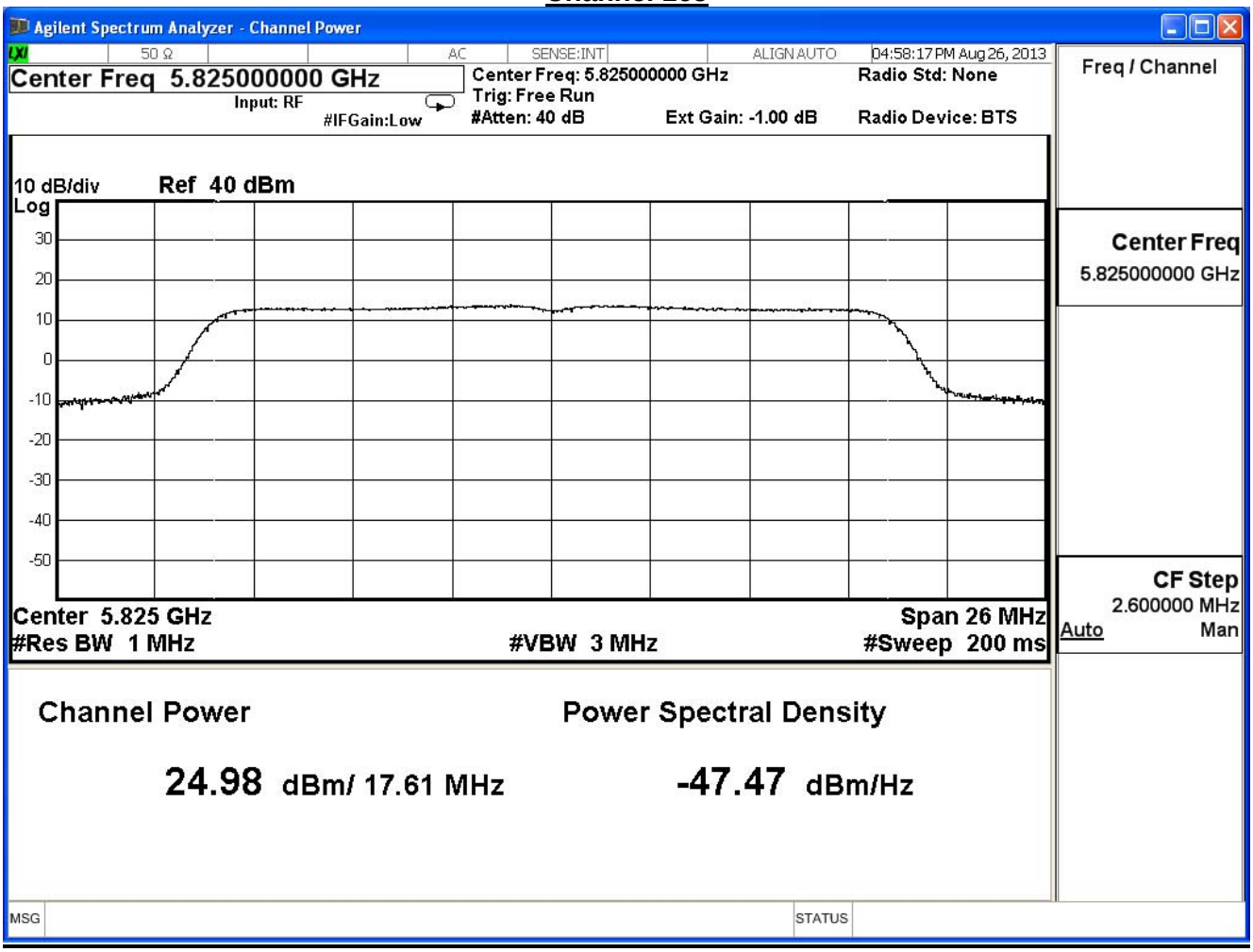
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:09:16 PM Aug 26, 2013
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.12 dBm/ 17.61 MHz
Power Spectral Density
-48.33 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:53:57 PM Aug 26, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.95 dBm/ 17.55 MHz
Power Spectral Density
-47.50 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:58:17 PM Aug 26, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.98 dBm/ 17.61 MHz
Power Spectral Density
-47.47 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11 n 20MHz (ANT 1) , power index: ch149:100, ch157:104, ch165:104

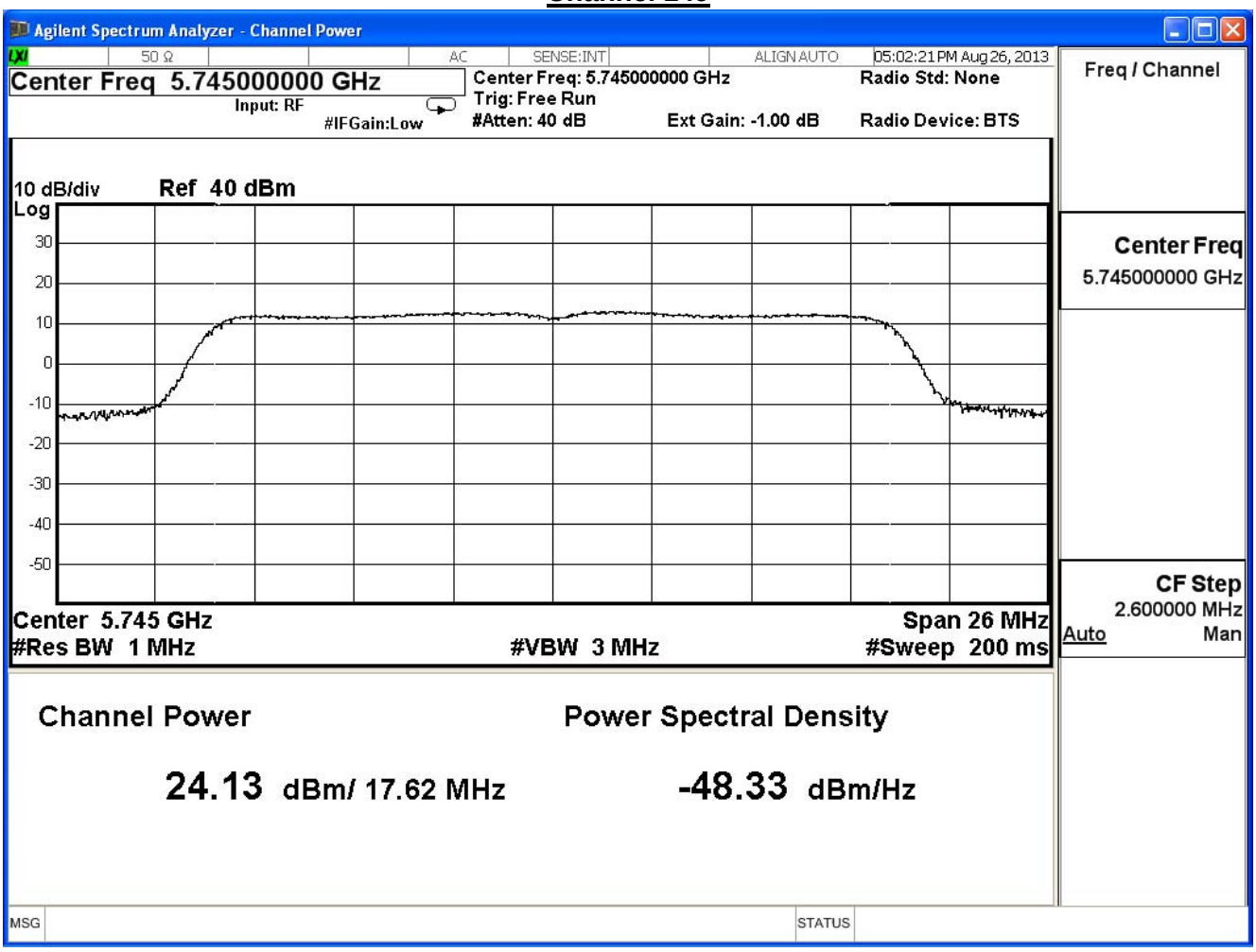
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.13	≦30	Pass
157	5785	25.16	≦30	Pass
165	5825	25.05	≦30	Pass

The worst emission of data rate is 19.5Mbps

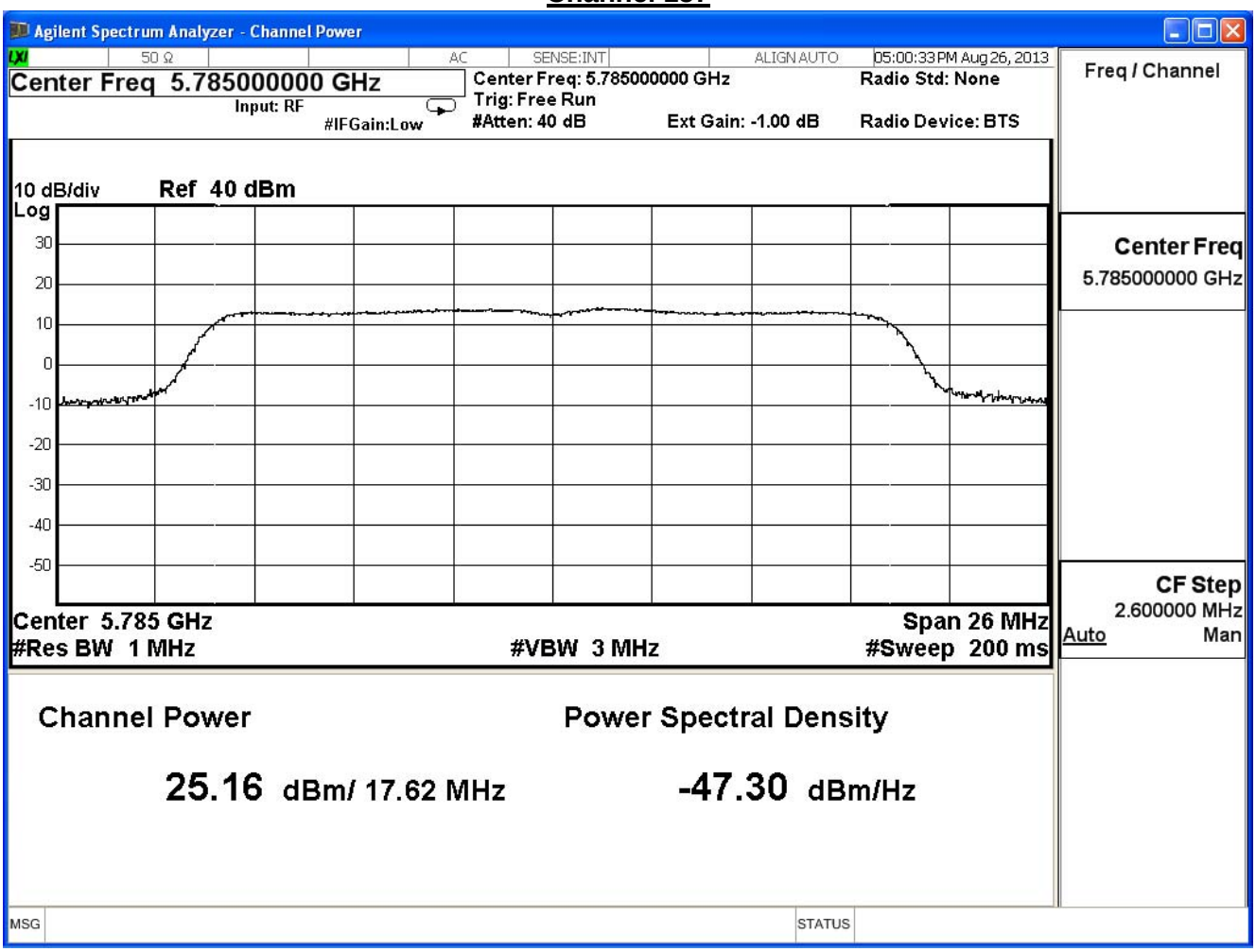
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	24.13	--	--	--	--	--	--	--	30dBm
157	5785	25.16	25.06	24.94	24.74	24.54	24.28	24.16	23.92	30dBm
165	5825	25.05	--	--	--	--	--	--	--	30dBm

Note: Measure Level =Reading value + cable loss

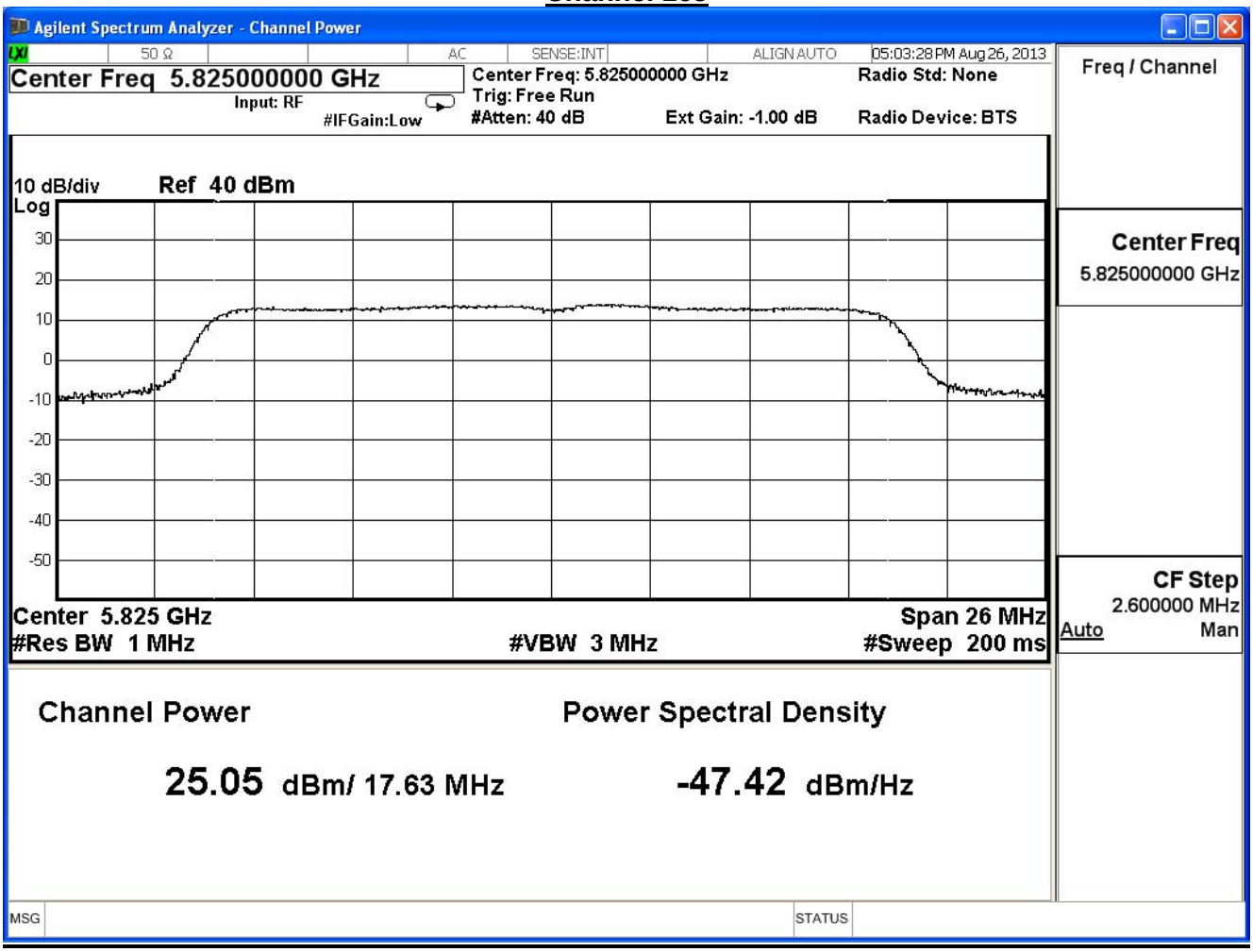
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:02:21 PM Aug 26, 2013
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.13 dBm/ 17.62 MHz
Power Spectral Density
-48.33 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:00:33 PM Aug 26, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
25.16 dBm/ 17.62 MHz
Power Spectral Density
-47.30 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:03:28 PM Aug 26, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
25.05 dBm/ 17.63 MHz
Power Spectral Density
-47.42 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11 n 20MHz (ANT 2) , power index: ch149:100, ch157:104, ch165:104

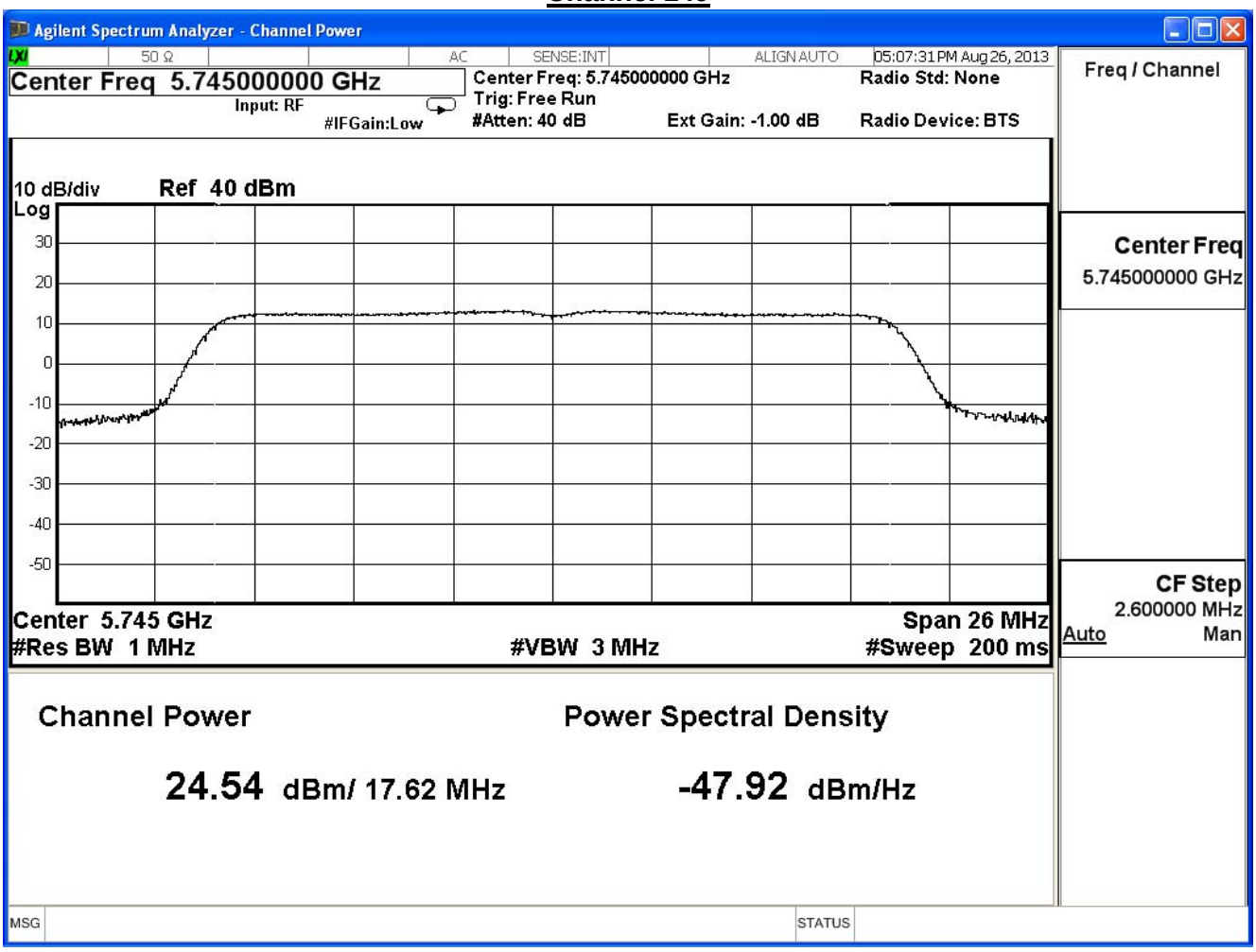
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.54	≦30	Pass
157	5785	25.01	≦30	Pass
165	5825	24.76	≦30	Pass

The worst emission of data rate is 19.5Mbps

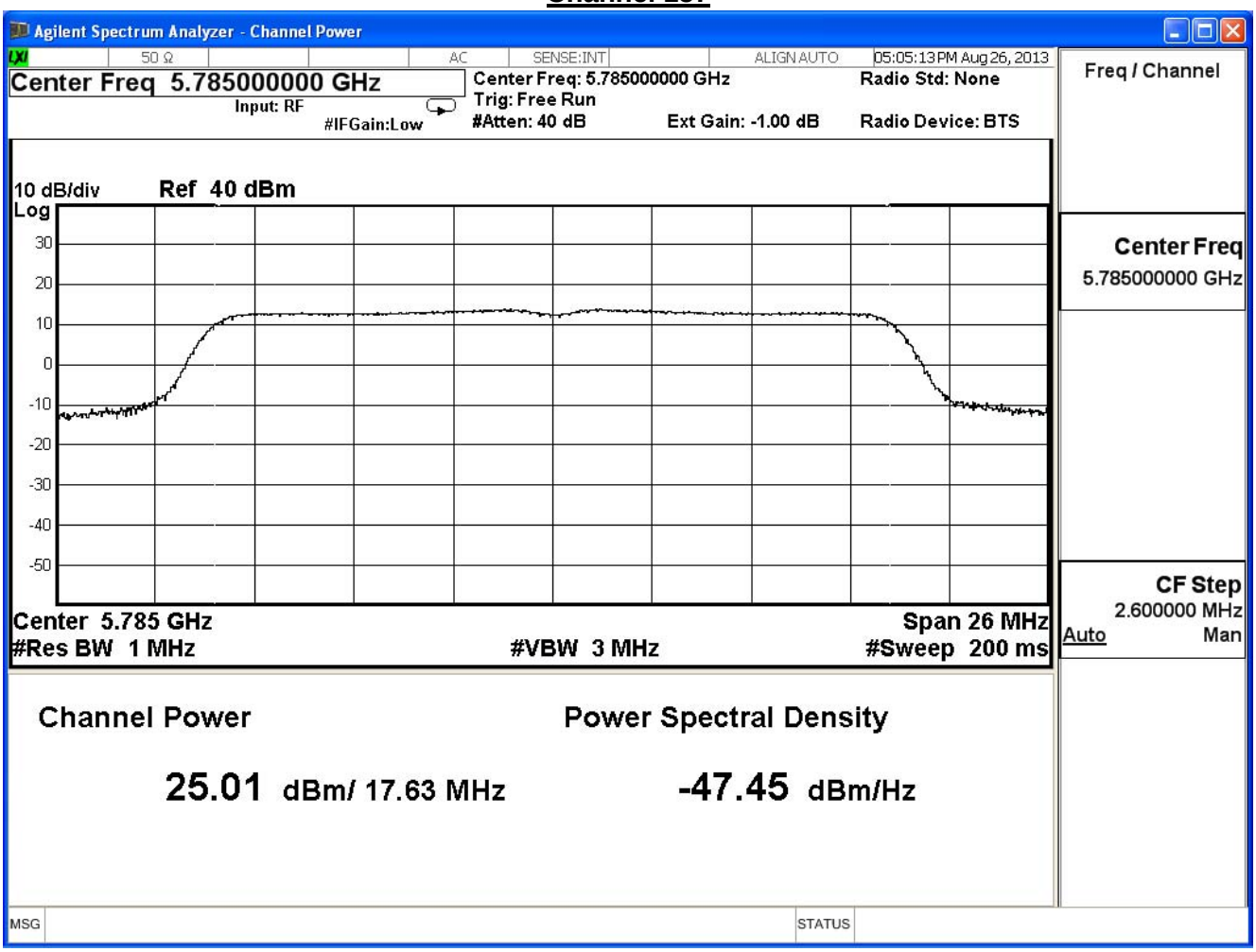
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	24.54	--	--	--	--	--	--	--	30dBm
157	5785	25.01	24.81	24.61	24.49	24.39	24.27	24.03	23.91	30dBm
165	5825	24.76	--	--	--	--	--	--	--	30dBm

Note: Measure Level =Reading value + cable loss

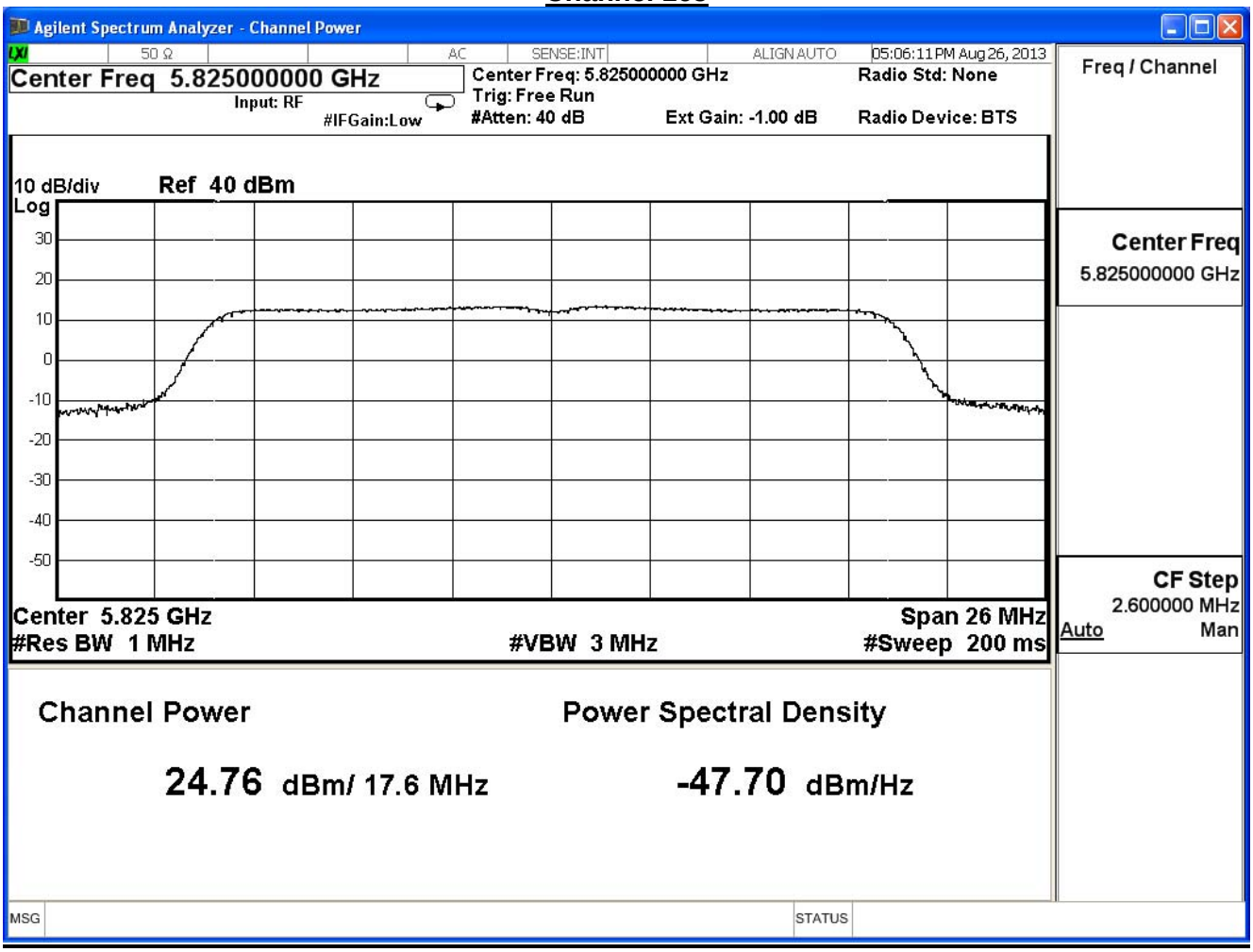
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:07:31 PM Aug 26, 2013
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.745000000 GHz
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.54 dBm/ 17.62 MHz
Power Spectral Density
-47.92 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:05:13 PM Aug 26, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
25.01 dBm/ 17.63 MHz
Power Spectral Density
-47.45 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:06:11 PM Aug 26, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
CF Step
2.600000 MHz
Auto
Man
Channel Power
24.76 dBm/ 17.6 MHz
Power Spectral Density
-47.70 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	29.04	≦30	Pass
157	5785	29.81	≦30	Pass
165	5825	29.70	≦30	Pass

The worst emission of data rate is 19.5Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	29.04	--	--	--	--	--	--	--	30dBm
157	5785	29.81	29.68	29.50	29.33	29.19	28.98	28.81	28.61	30dBm
165	5825	29.70	--	--	--	--	--	--	--	30dBm

Note: Measure Level =Reading value + cable loss

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11 n 40MHz (ANT 0) , power index: ch151:96, ch159:100

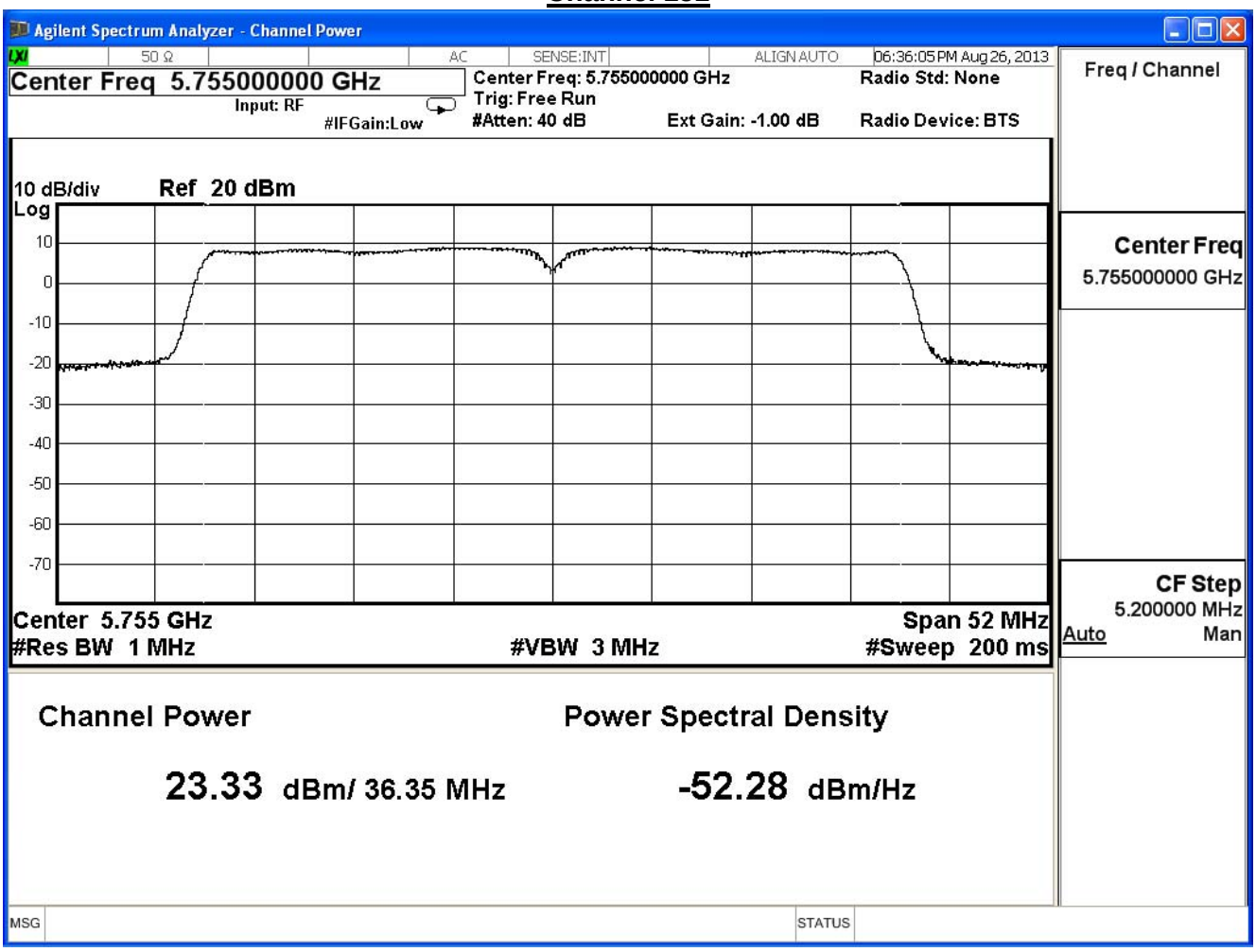
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	23.33	≦30	Pass
159	5795	24.61	≦30	Pass

The worst emission of data rate is 40.5Mbps

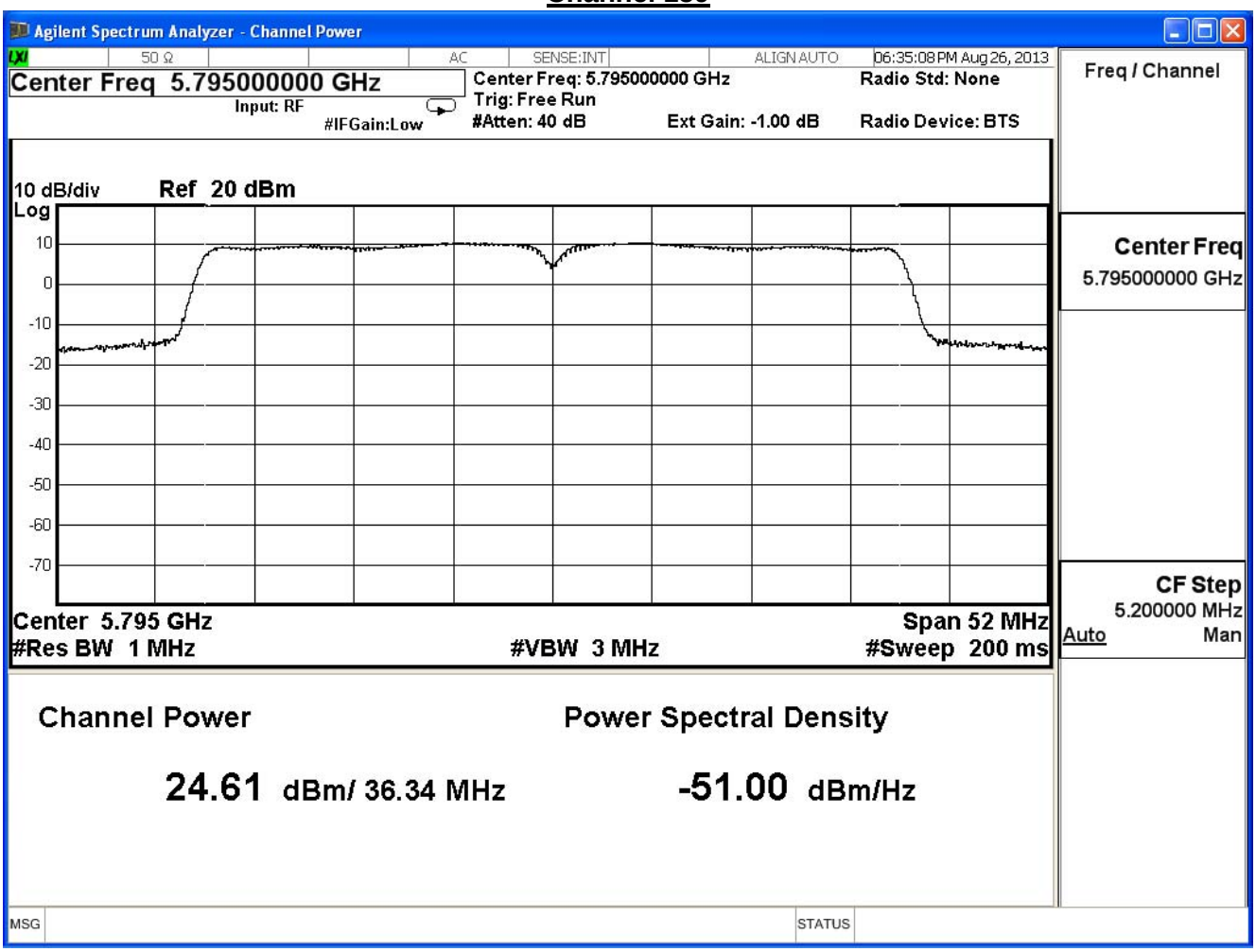
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	23.33	--	--	--	--	--	--	--	30dBm
159	5795	24.61	24.41	24.31	24.21	24.01	23.77	23.65	23.41	30dBm

Note: Measure Level =Reading value + cable loss

Channel 151


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:36:05 PM Aug 26, 2013
Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
5.755000000 GHz
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
CF Step
5.200000 MHz
Auto
Man
Channel Power
23.33 dBm/ 36.35 MHz
Power Spectral Density
-52.28 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:35:08 PM Aug 26, 2013
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
5.795000000 GHz
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
CF Step
5.200000 MHz
Auto
Man
Channel Power
24.61 dBm/ 36.34 MHz
Power Spectral Density
-51.00 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11 n 40MHz (ANT 1) , power index: ch151:96, ch159:100

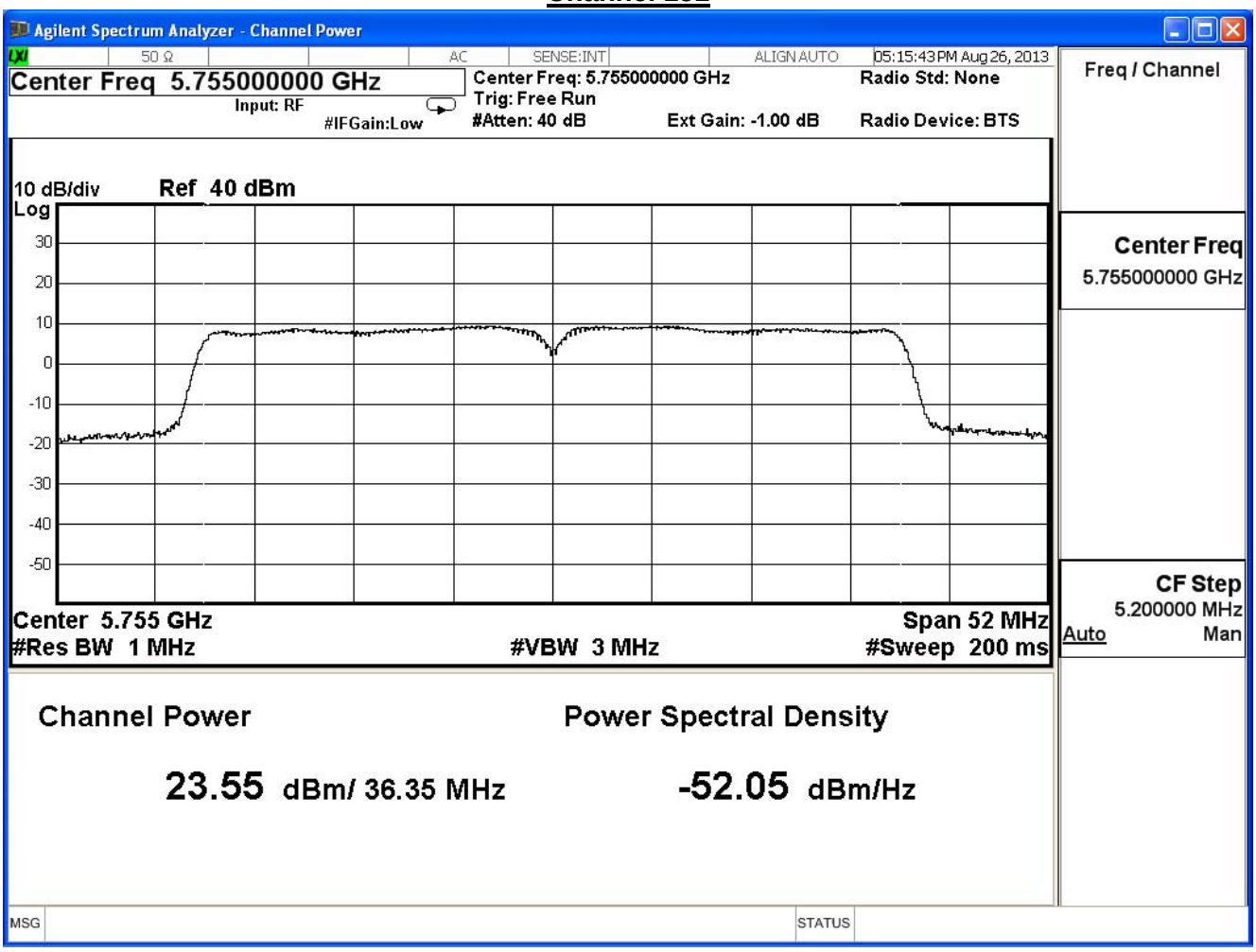
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	23.55	≦30	Pass
159	5795	24.55	≦30	Pass

The worst emission of data rate is 40.5Mbps

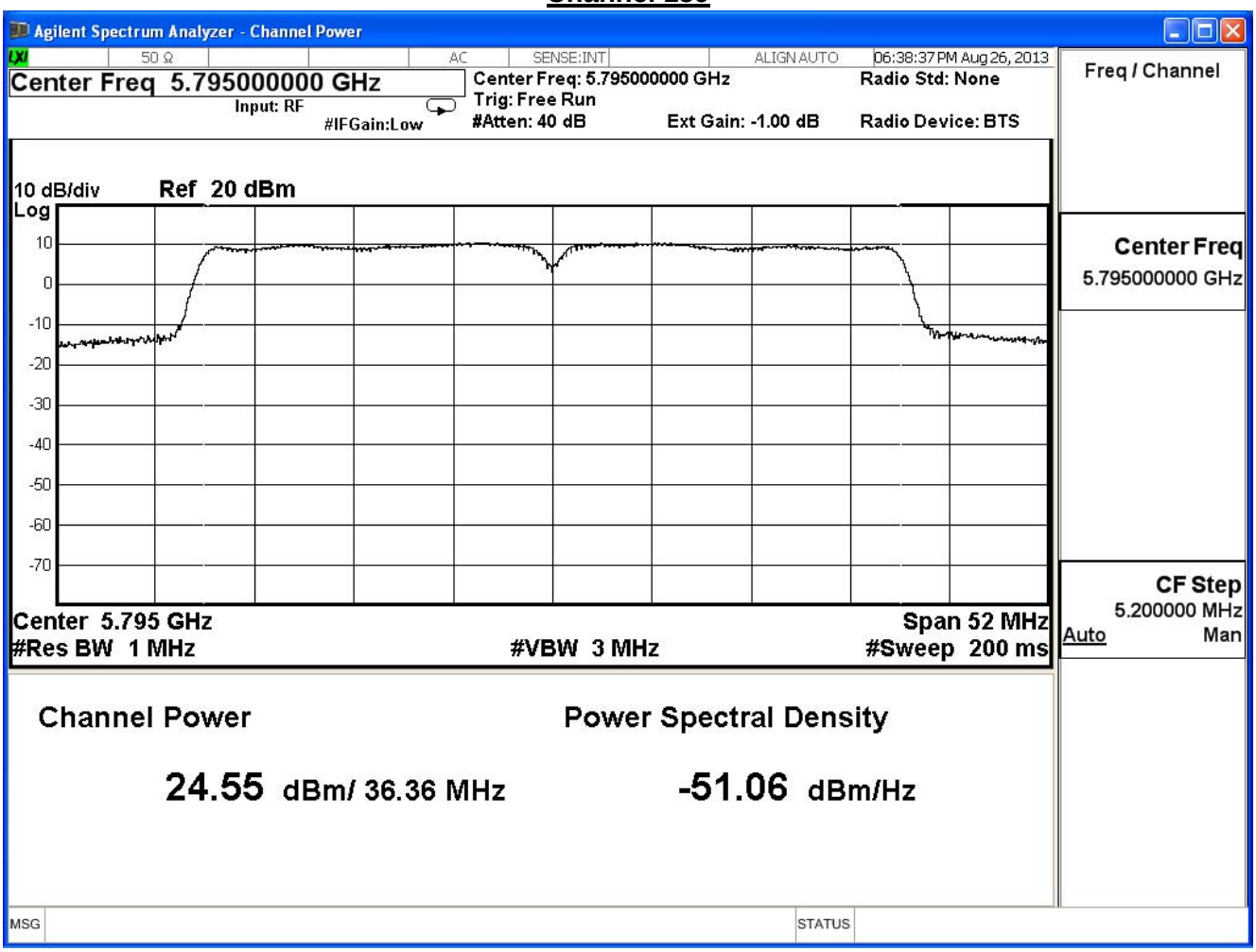
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	23.55	--	--	--	--	--	--	--	30dBm
159	5795	24.55	24.35	24.15	23.95	23.85	23.73	23.49	23.37	30dBm

Note: Measure Level =Reading value + cable loss

Channel 151


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:15:43 PM Aug 26, 2013
Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.755000000 GHz
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
CF Step
5.200000 MHz
Auto
Man
Channel Power
23.55 dBm/ 36.35 MHz
Power Spectral Density
-52.05 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:38:37 PM Aug 26, 2013
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
5.795000000 GHz
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
CF Step
5.200000 MHz
Auto
Man
Channel Power
24.55 dBm/ 36.36 MHz
Power Spectral Density
-51.06 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11 n 40MHz (ANT 2) , power index: ch151:96, ch159:100

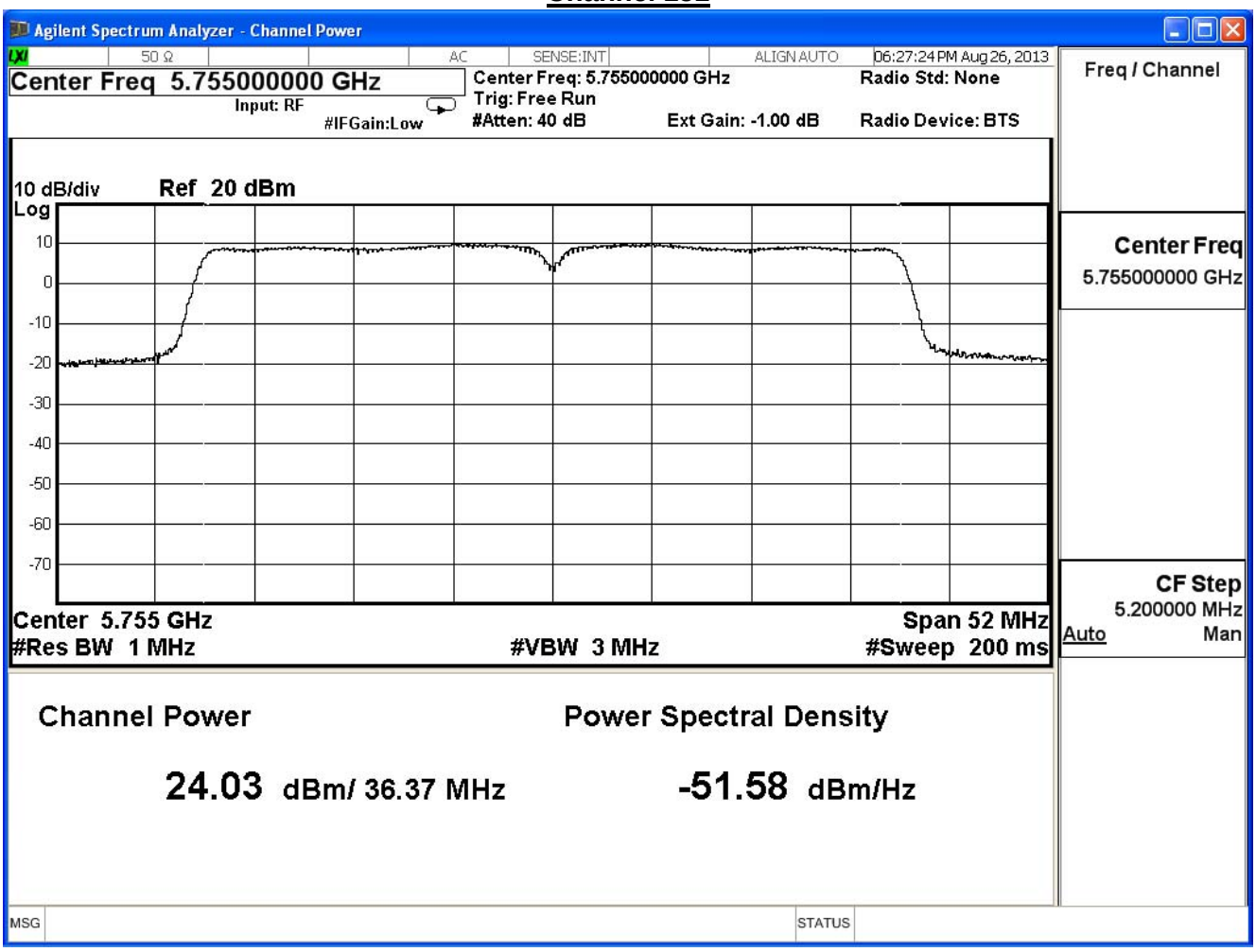
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	24.03	≦30	Pass
159	5795	25.06	≦30	Pass

The worst emission of data rate is 40.5Mbps

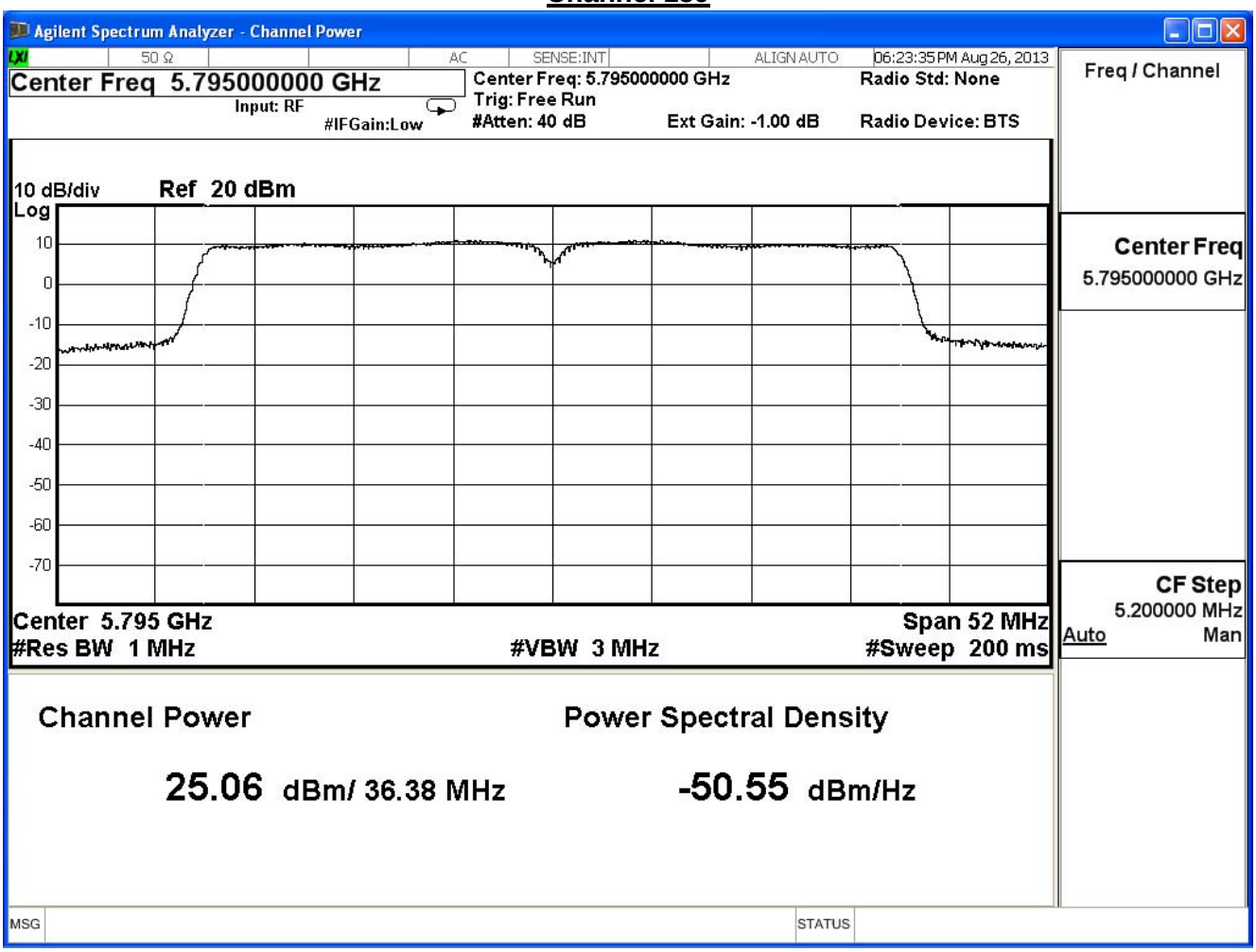
Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	24.03	--	--	--	--	--	--	--	30dBm
159	5795	25.06	24.96	24.76	24.66	24.56	24.44	24.32	24.20	30dBm

Note: Measure Level =Reading value + cable loss

Channel 151


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:27:24 PM Aug 26, 2013
Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
5.755000000 GHz
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
CF Step
5.200000 MHz
Auto
Man
Channel Power
24.03 dBm/ 36.37 MHz
Power Spectral Density
-51.58 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:23:35 PM Aug 26, 2013
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
5.795000000 GHz
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
CF Step
5.200000 MHz
Auto
Man
Channel Power
25.06 dBm/ 36.38 MHz
Power Spectral Density
-50.55 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11n 40MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	28.42	≦30	Pass
159	5795	29.52	≦30	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	28.42	--	--	--	--	--	--	--	30dBm
159	5795	29.52	29.35	29.19	29.05	28.92	28.76	28.61	28.45	30dBm

Note: Measure Level =Reading value + cable loss

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11ac 80MHz (ANT 0) , power index: ch155:96

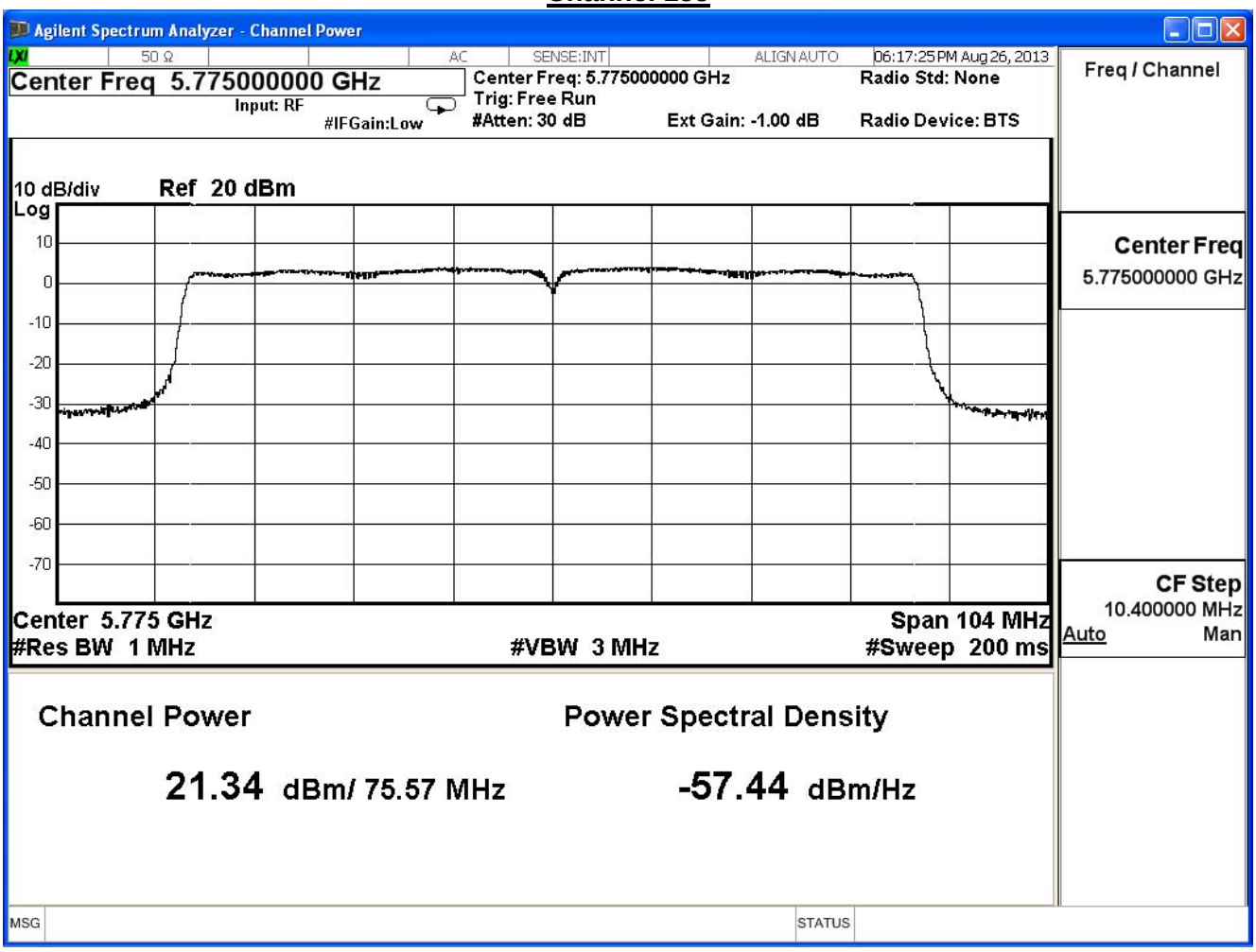
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	21.34	≦30	Pass

The worst emission of data rate is 87.9Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170
155	5775	21.34	21.14	20.94	20.84	20.74	20.54	20.42	20.18	19.94	19.82

Note: Measure Level =Reading value + cable loss

Channel 155


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:17:25 PM Aug 26, 2013
Center Freq 5.775000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.775000000 GHz
Trig: Free Run
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
5.775000000 GHz
Center 5.775 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 104 MHz
#Sweep 200 ms
CF Step
10.400000 MHz
Auto
Man
Channel Power
21.34 dBm/ 75.57 MHz
Power Spectral Density
-57.44 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11ac 80MHz (ANT 1) , power index: ch155:96

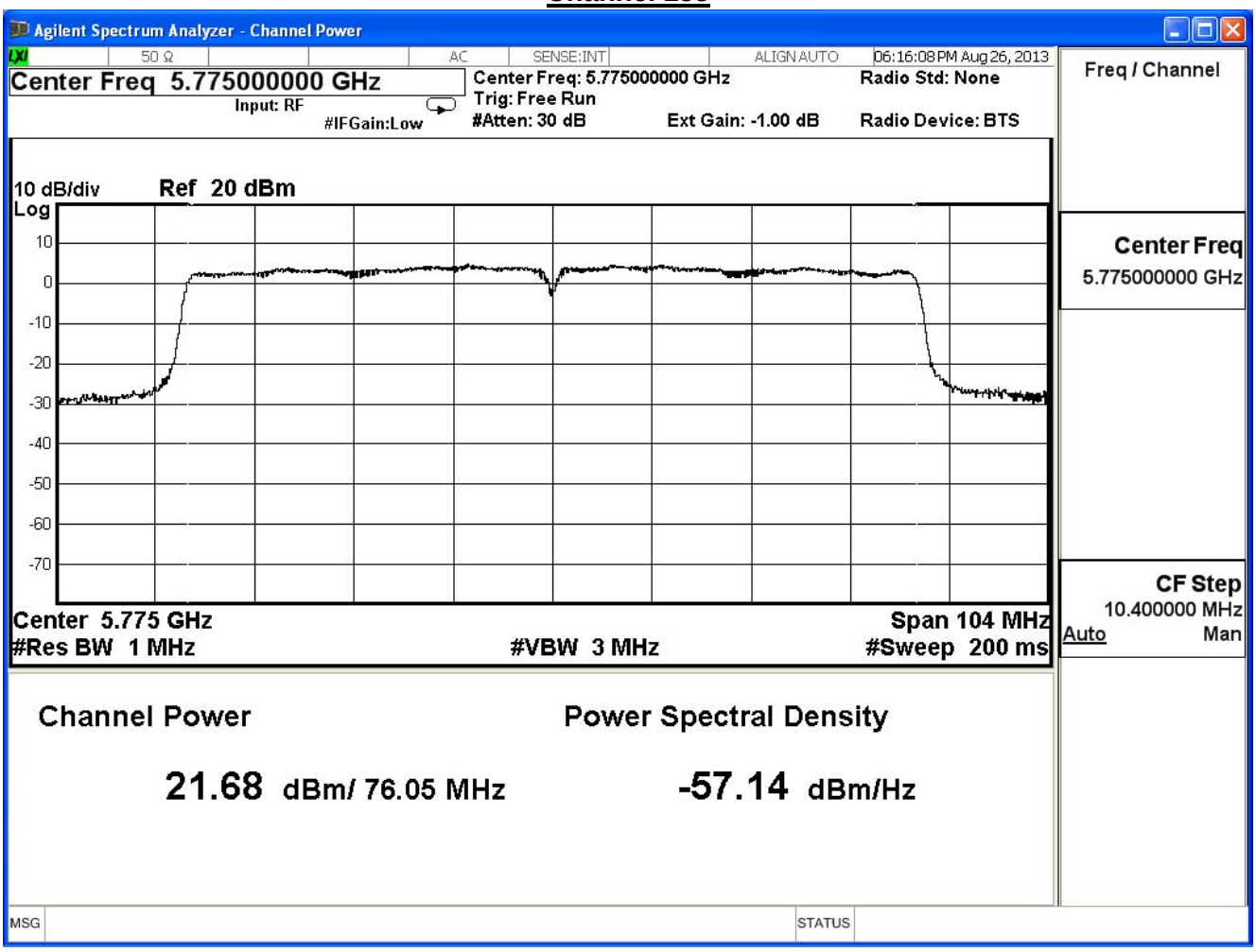
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	21.68	≦30	Pass

The worst emission of data rate is 87.9Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170
155	5775	21.68	21.58	21.38	21.28	21.08	20.98	20.86	20.62	20.50	20.38

Note: Measure Level =Reading value + cable loss

Channel 155


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:16:08 PM Aug 26, 2013
Center Freq 5.775000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.775000000 GHz
Trig: Free Run
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
5.775000000 GHz
CF Step
10.400000 MHz
Auto
Man
Center 5.775 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 104 MHz
#Sweep 200 ms
Channel Power
21.68 dBm/ 76.05 MHz
Power Spectral Density
-57.14 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11ac 80MHz (ANT 2) , power index: ch155:96

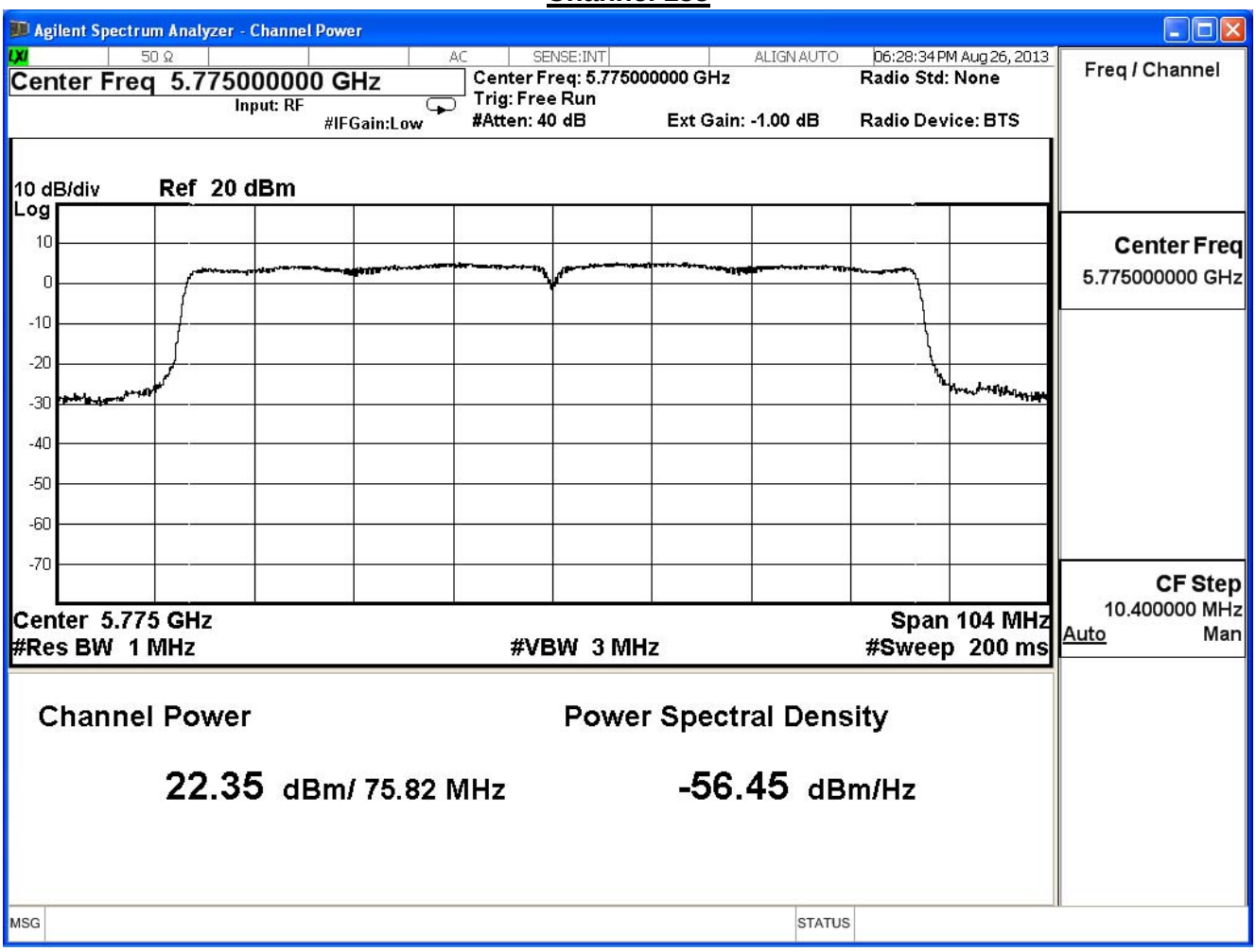
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	22.35	≦30	Pass

The worst emission of data rate is 87.9Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170
155	5775	22.35	22.25	22.05	21.95	21.85	21.65	21.41	21.29	21.05	20.81

Note: Measure Level =Reading value + cable loss

Channel 155


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
06:28:34 PM Aug 26, 2013
Center Freq 5.775000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.775000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
5.775000000 GHz
Center 5.775 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 104 MHz
#Sweep 200 ms
CF Step
10.400000 MHz
Auto
Man
Channel Power
22.35 dBm/ 75.82 MHz
Power Spectral Density
-56.45 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
Date of Test	2013/08/28	Test Site	SR7

IEEE802.11ac 80MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	26.58	≦30	Pass

The worst emission of data rate is 87.9Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170
155	5775	26.58	26.45	26.25	26.15	26.02	25.85	25.69	25.49	25.29	25.13

Note: Measure Level =Reading value + cable loss

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming Mode)_Adapter: EXA1206UH		
Date of Test	2013/07/19	Test Site	SR7

IEEE 802.11b, 1TX mode (SISO), power index: ch1:92, ch6:92 ,ch11:89				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.73	≦29.32	Pass
6	2437	22.77	≦29.32	Pass
11	2462	21.89	≦29.32	Pass

The worst emission of data rate is 1Mbps.

Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412	22.73	--	--	--	29.32dBm
6	2437	22.77	22.57	22.33	22.22	29.32dBm
11	2462	21.89	--	--	--	29.32dBm

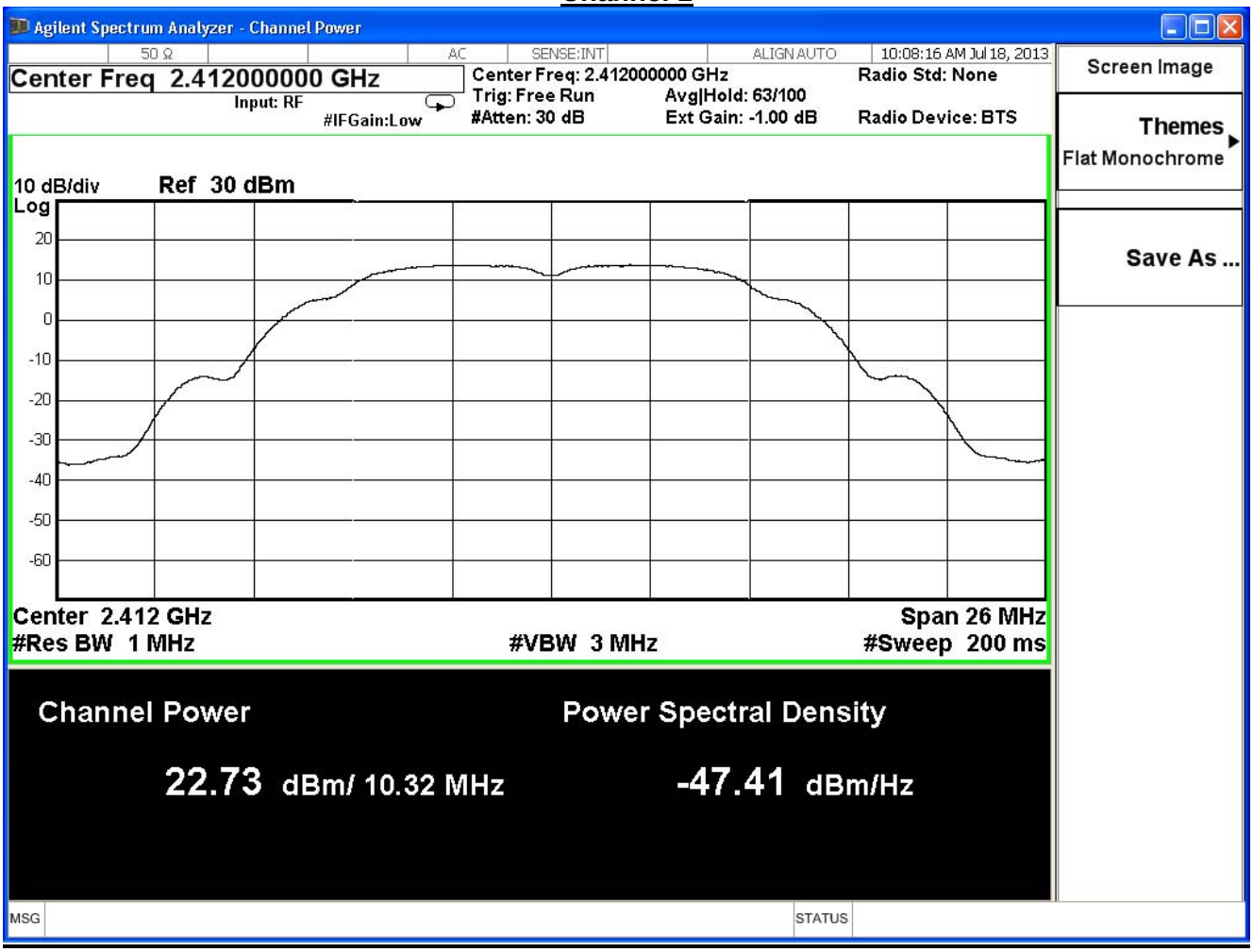
Note:

Measure Level =Reading value + cable loss

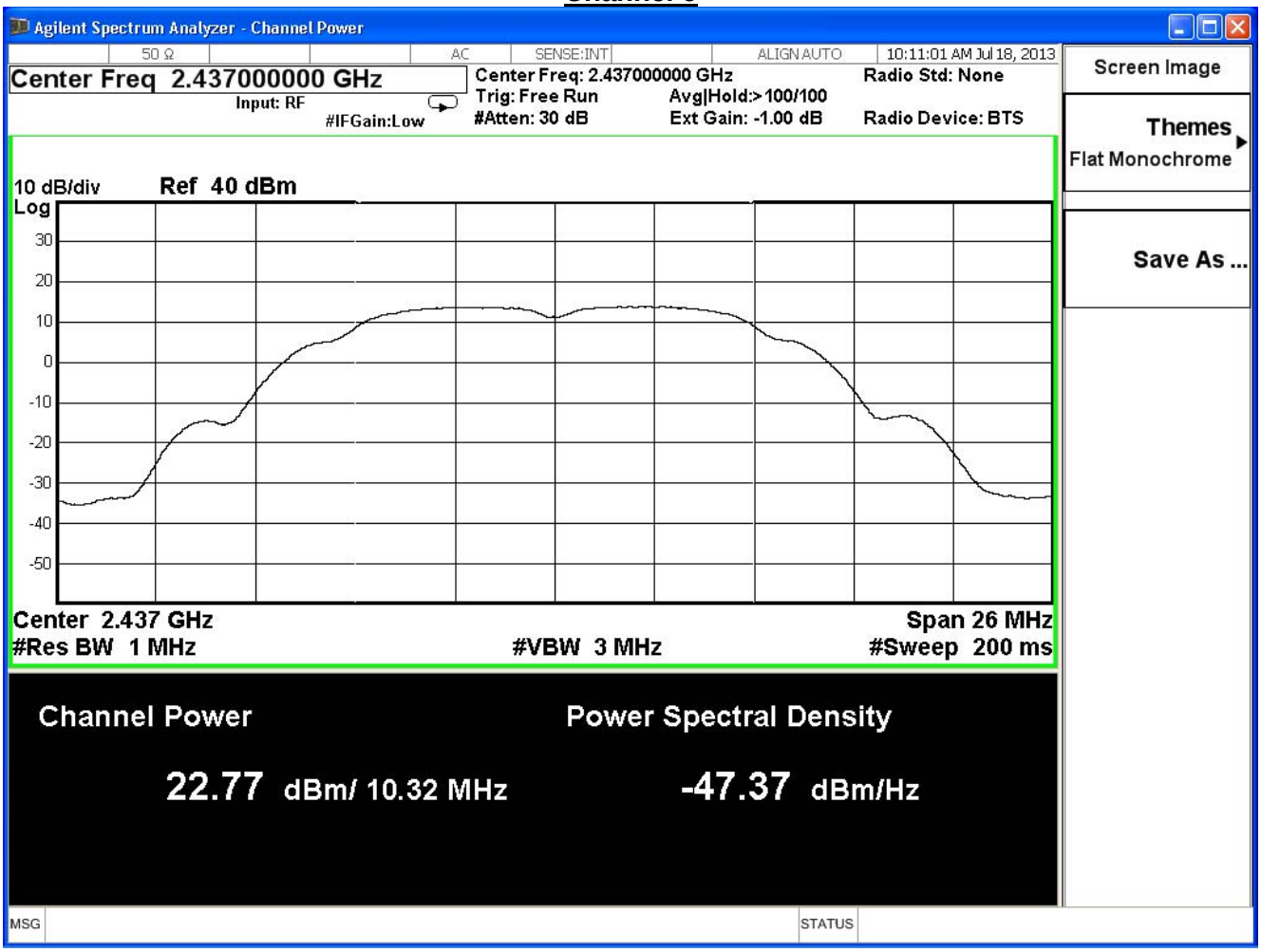
Directional Gain=Beamforming Gain + Max Gain = 4.77dB + 1.91dBi = 6.68dBi

Required Limit=30dBm-(6.68dBi-6dB)=30dBm-0.68dB=29.32dBm

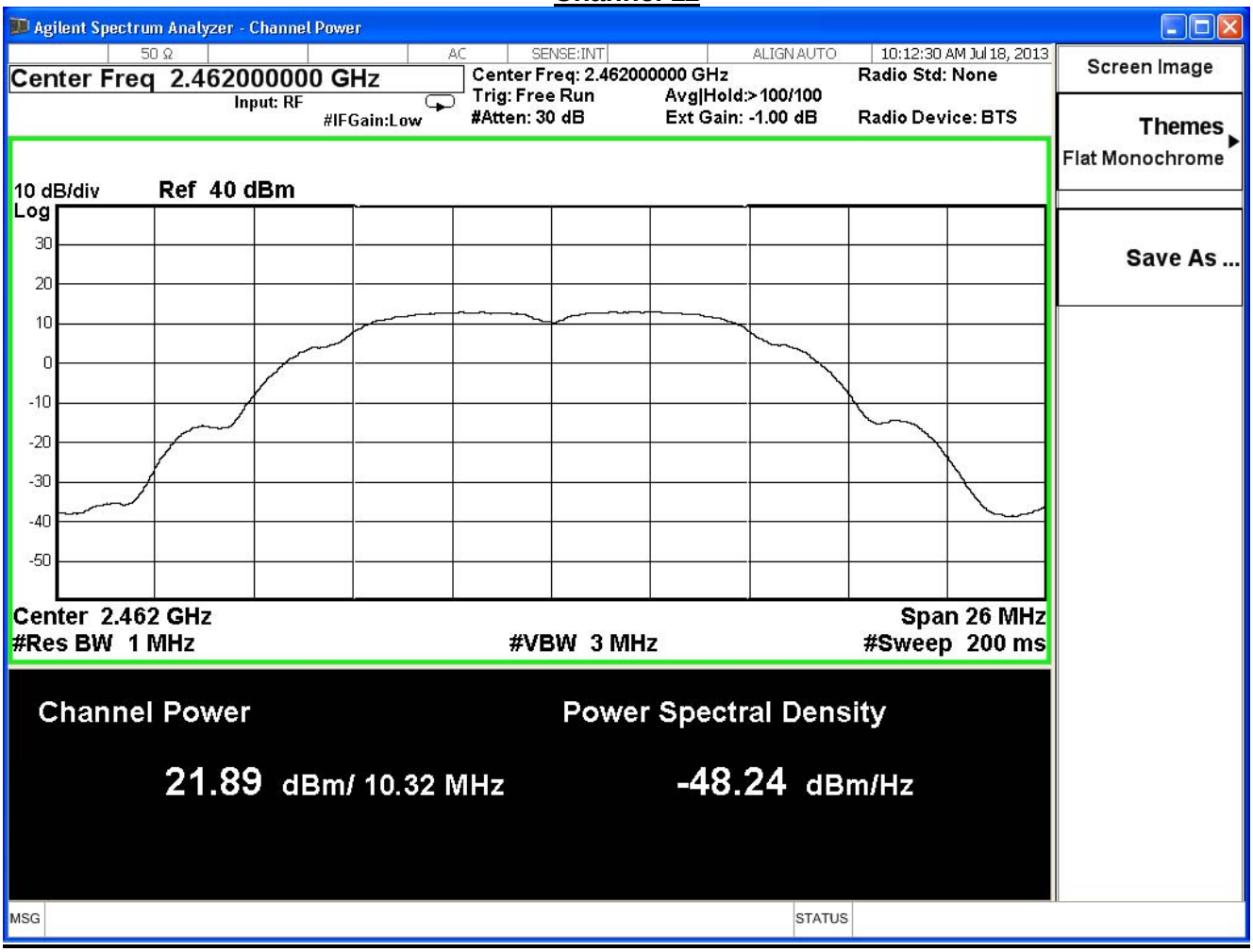
Channel 1


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:08:16 AM Jul 18, 2013
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 63/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
22.73 dBm/ 10.32 MHz
Power Spectral Density
-47.41 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:11:01 AM Jul 18, 2013
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
22.77 dBm/ 10.32 MHz
Power Spectral Density
-47.37 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:12:30 AM Jul 18, 2013
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
21.89 dBm/ 10.32 MHz
Power Spectral Density
-48.24 dBm/Hz
MSG
STATUS

Product	Wireless-AC1900 Dual Band Gigabit Router		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming Mode)_Adapter: EXA1206UH		
Date of Test	2013/07/19	Test Site	SR7

IEEE 802.11g, 1TX mode (SISO), power index: ch1:80, ch6:100 ,ch11:72

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	19.88	≦29.32	Pass
6	2437	25.02	≦29.32	Pass
11	2462	18.35	≦29.32	Pass

The worst emission of data rate is 6Mbps.

Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	19.88	--	--	--	--	--	--	29.32 dBm
6	2437	25.02	24.82	24.71	24.58	24.46	24.35	24.23	29.32 dBm
11	2462	18.35	--	--	--	--	--	--	29.32 dBm

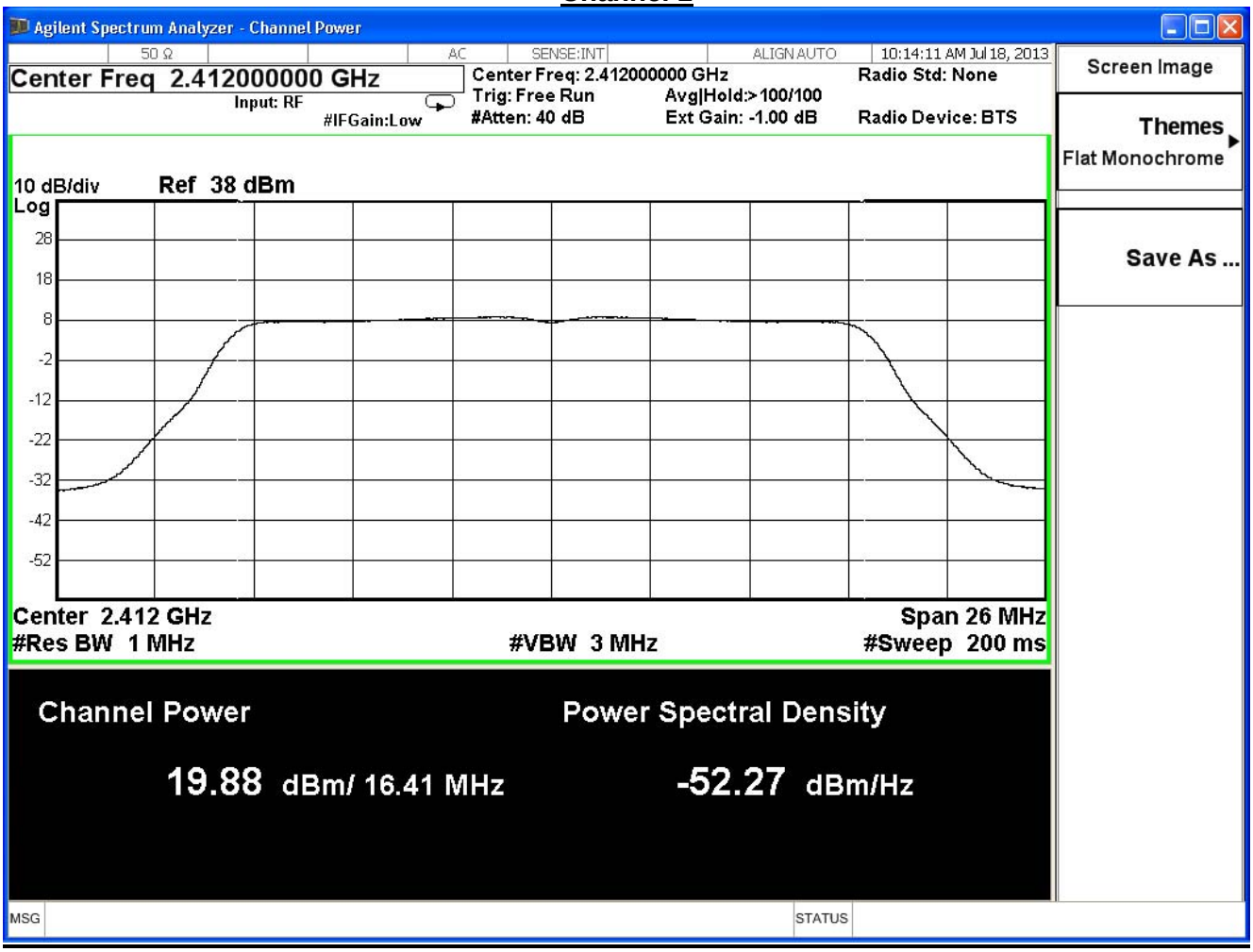
Note:

Measure Level =Reading value + cable loss

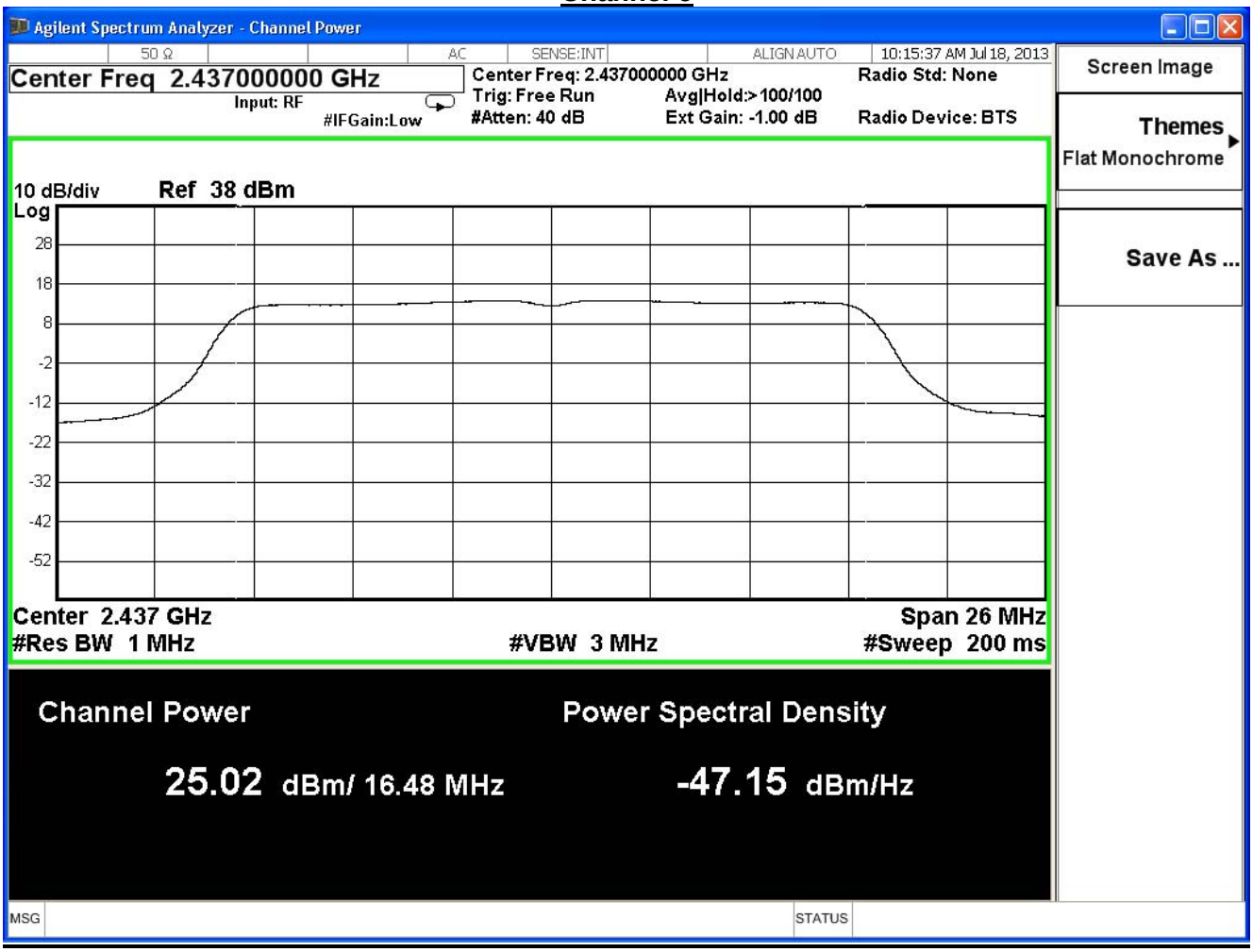
Directional Gain=Beamforming Gain + Max Gain = 4.77dB + 1.91dBi = 6.68dBi

Required Limit=30dBm-(6.68dBi-6dB)=30dBm-0.68dB=29.32dBm

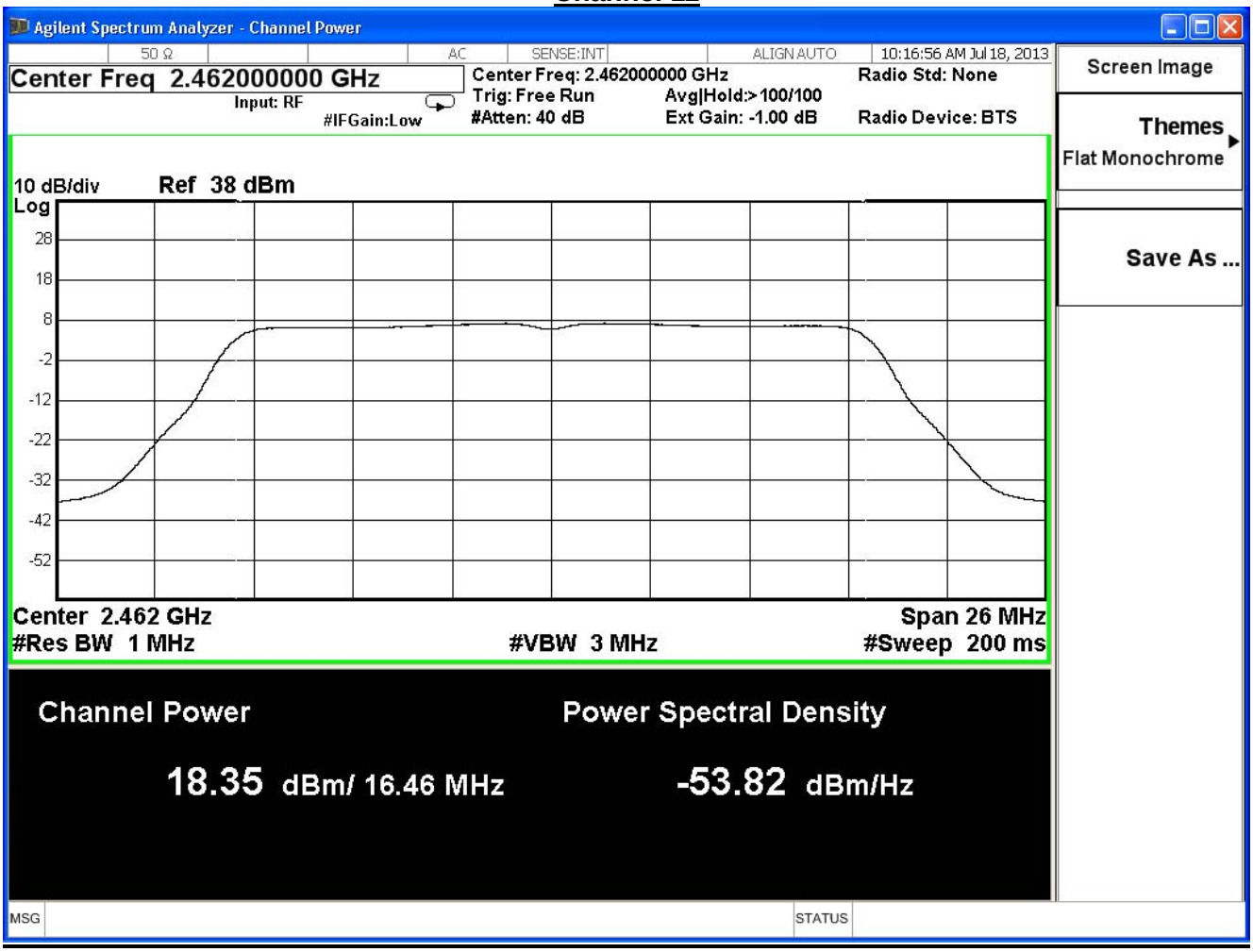
Channel 1


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:14:11 AM Jul 18, 2013
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 38 dBm
28
18
8
-2
-12
-22
-32
-42
-52
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
19.88 dBm/ 16.41 MHz
Power Spectral Density
-52.27 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:15:37 AM Jul 18, 2013
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 38 dBm
28
18
8
-2
-12
-22
-32
-42
-52
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
25.02 dBm/ 16.48 MHz
Power Spectral Density
-47.15 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:16:56 AM Jul 18, 2013
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 38 dBm
28
18
8
-2
-12
-22
-32
-42
-52
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
18.35 dBm/ 16.46 MHz
Power Spectral Density
-53.82 dBm/Hz
MSG
STATUS