

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 802.11n 20MHz (ANT 0) , power index: ch1:56, ch6:91 ,ch11:58

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	18.18	≤ 29.32	Pass
6	2437	23.27	≤ 29.32	Pass
11	2462	17.05	≤ 29.32	Pass

The worst emission of data rate is 19.5 Mbps.

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	
1	2412	18.18	--	--	--	--	--	--	--	29.32dBm
6	2437	23.27	23.15	22.95	22.84	22.71	22.59	22.47	22.36	29.32dBm
11	2462	17.05	--	--	--	--	--	--	--	29.32dBm

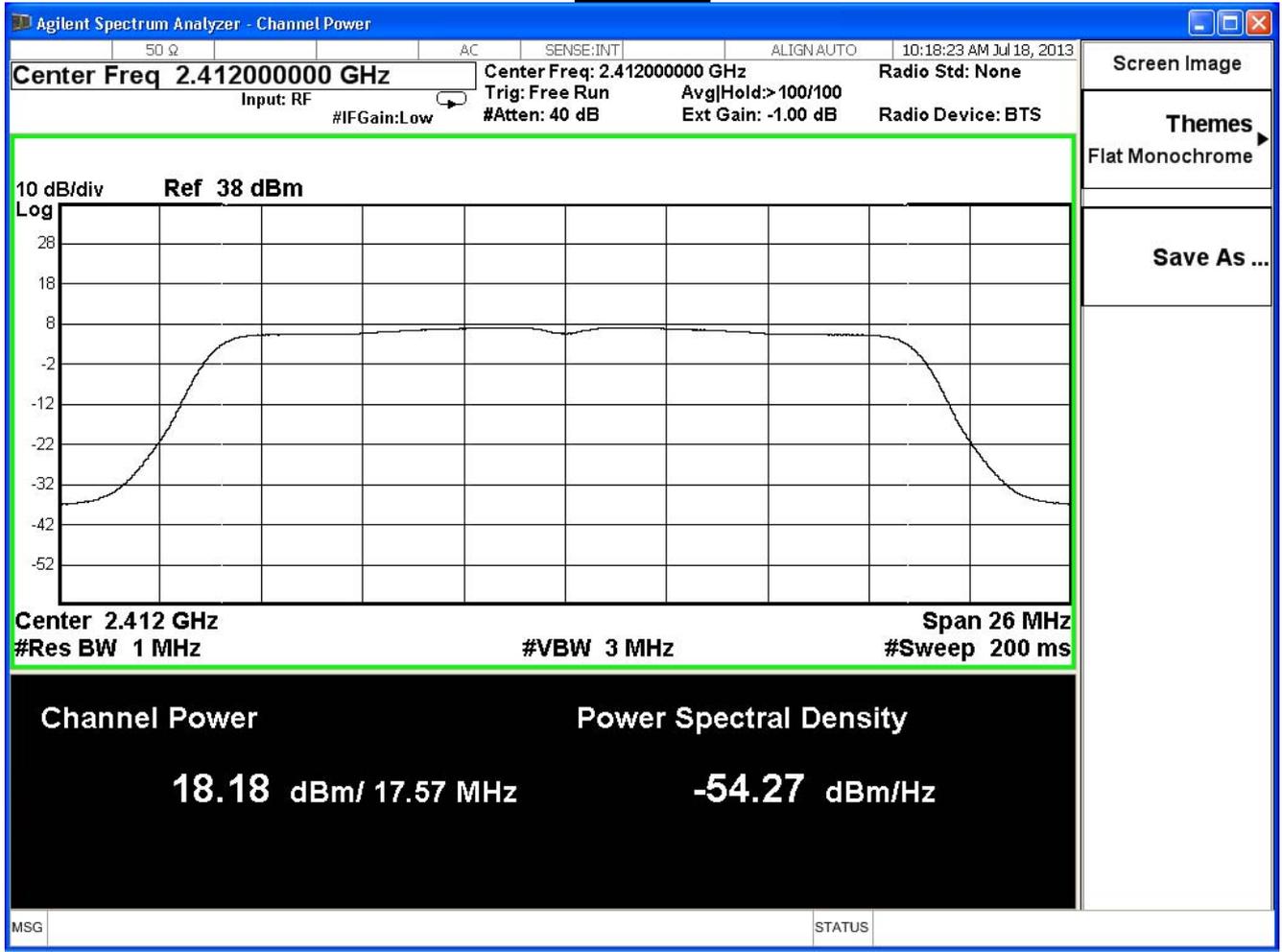
Note:

Measure Level =Reading value + cable loss

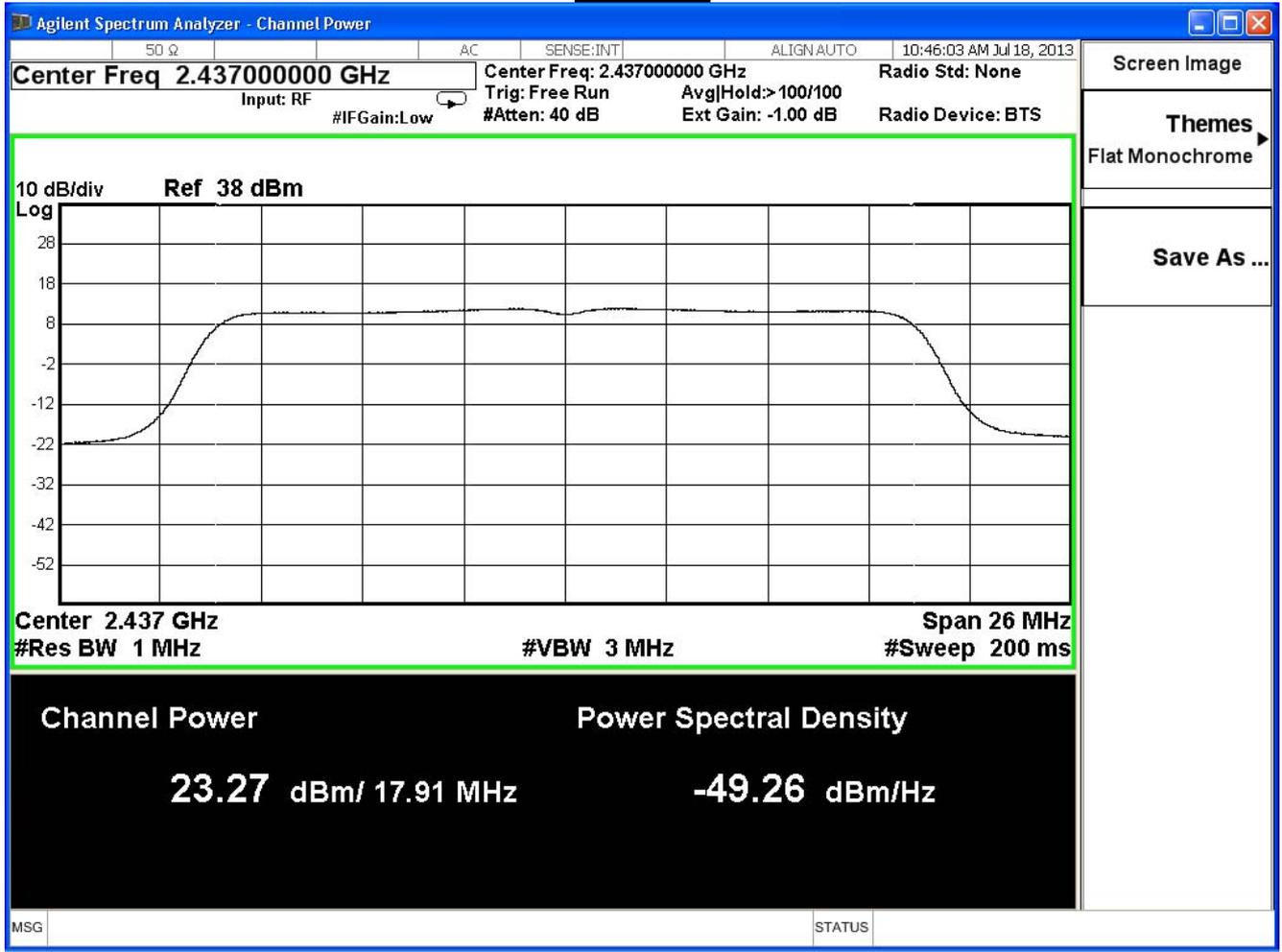
Directional Gain=10log(Ant N)+max Gain = 10log(3)+1.91dBi =6.68dBi

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

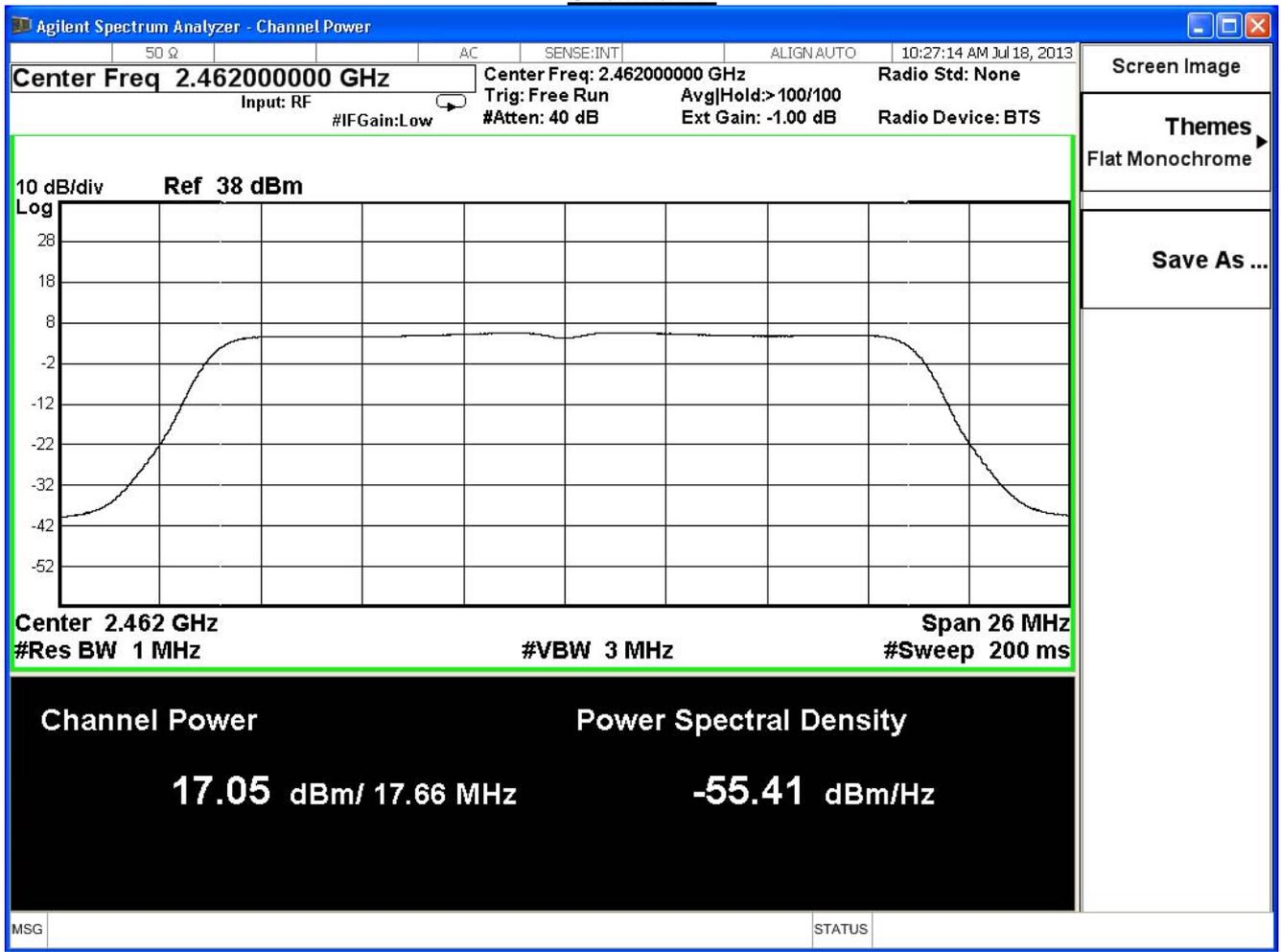
Channel 1



Channel 6



Channel 11



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 802.11n 20MHz (ANT 1) , power index: ch1:56, ch6:91 ,ch11:58

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	17.03	≤ 29.32	Pass
6	2437	21.32	≤ 29.32	Pass
11	2462	17.02	≤ 29.32	Pass

The worst emission of data rate is 19.5 Mbps.

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	
1	2412	17.03	--	--	--	--	--	--	--	29.32dBm
6	2437	21.32	21.31	21.30	21.29	21.28	21.27	21.26	21.25	29.32dBm
11	2462	17.02	--	--	--	--	--	--	--	29.32dBm

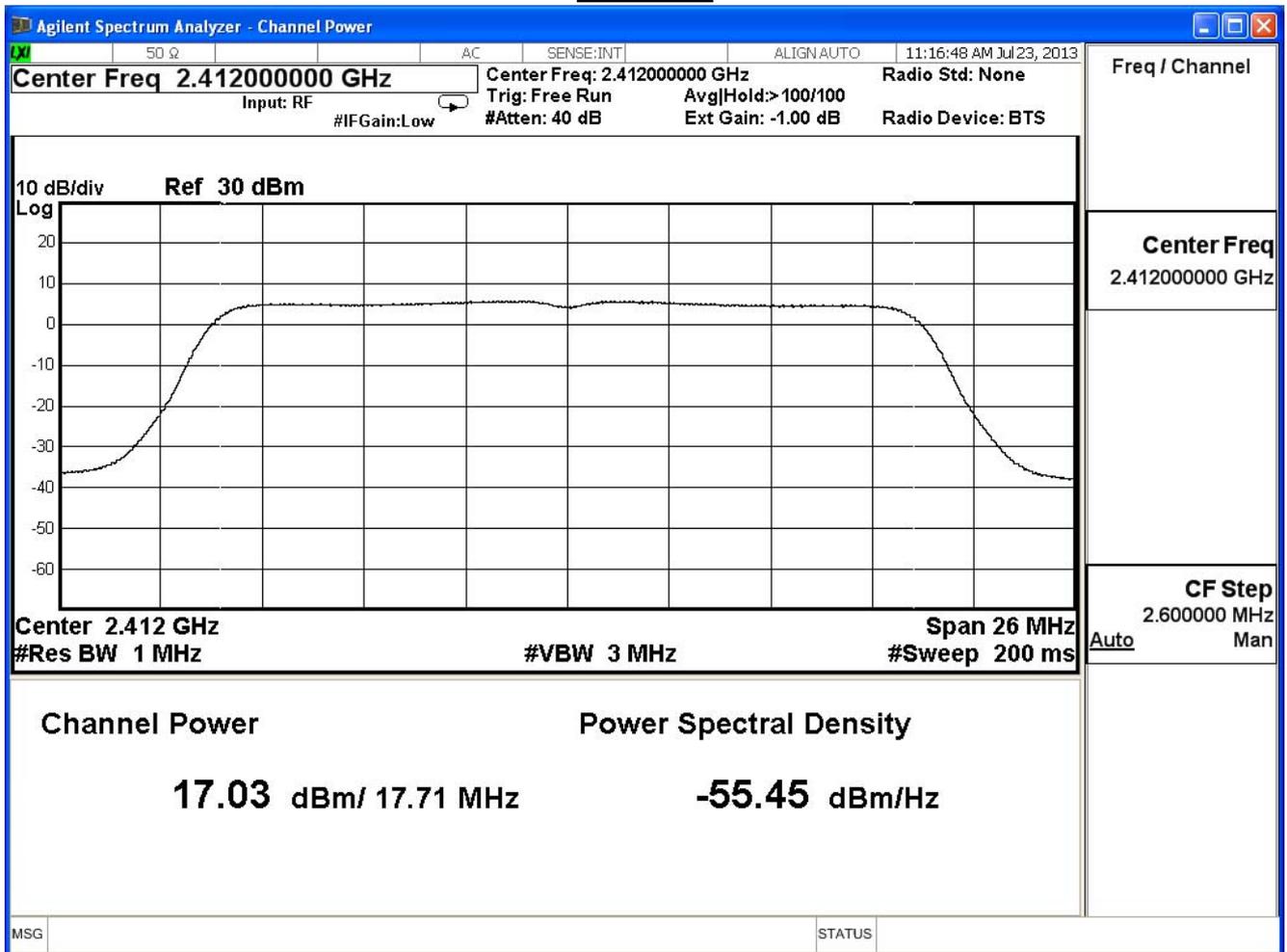
Note:

Measure Level =Reading value + cable loss

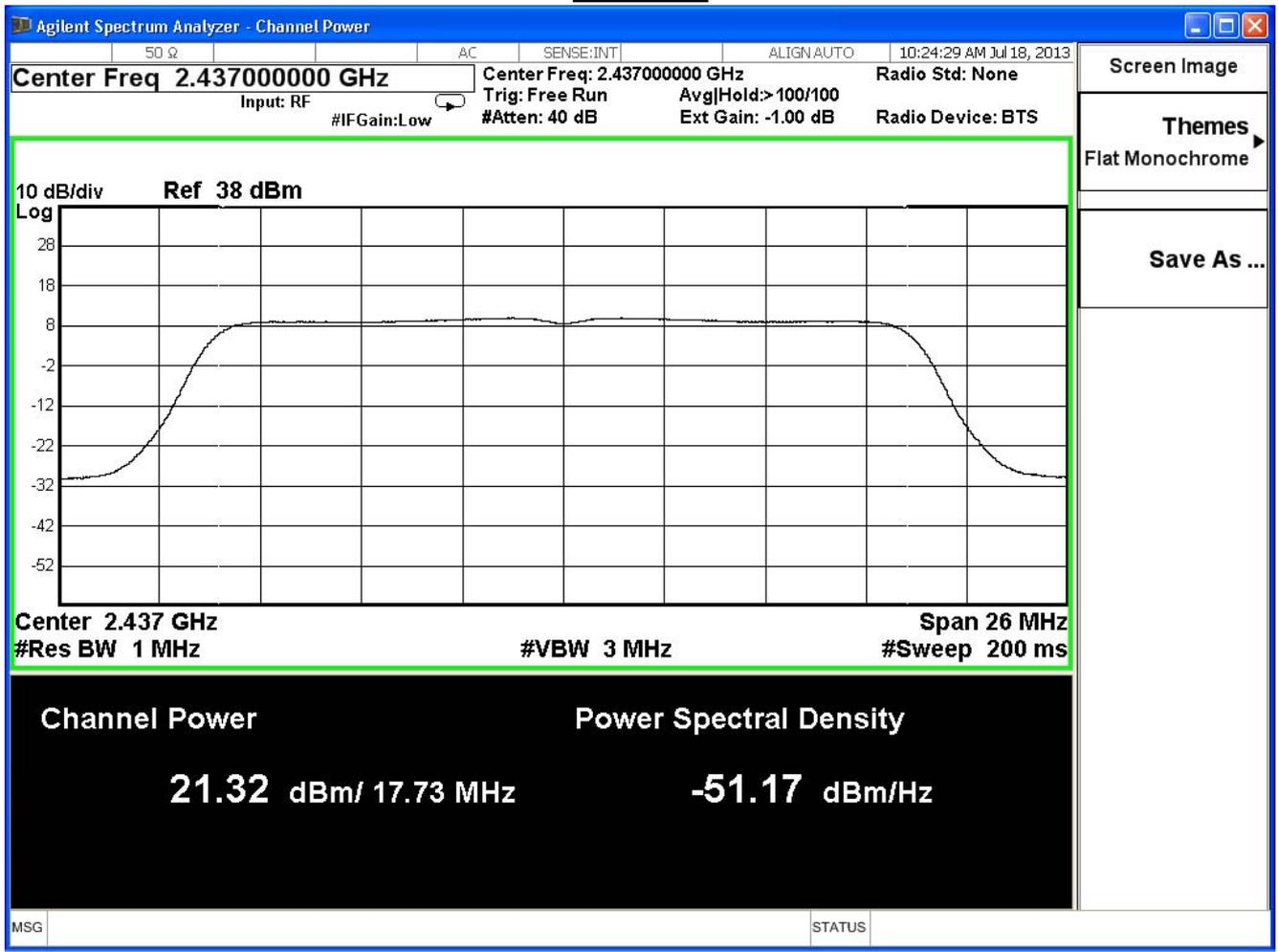
Directional Gain=10log(Ant N)+max Gain = 10log(3)+1.91dBi =6.68dBi

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

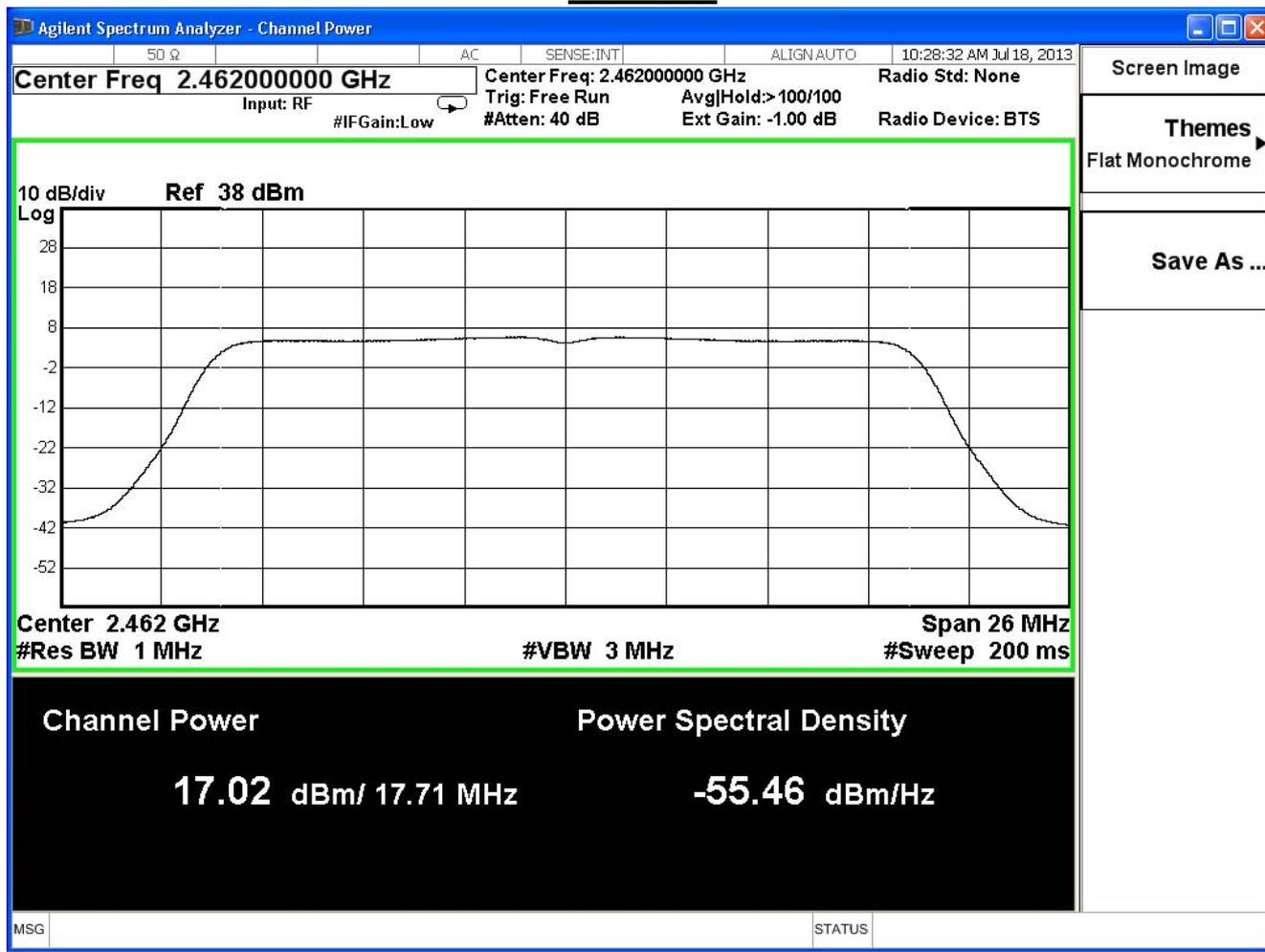
## Channel 1



**Channel 6**



Channel 11



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 802.11n 20MHz (ANT 2) , power index: ch1:56, ch6:91 ,ch11:58

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	17.38	≤ 29.32	Pass
6	2437	22.41	≤ 29.32	Pass
11	2462	16.64	≤ 29.32	Pass

The worst emission of data rate is 19.5 Mbps.

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	
1	2412	17.38	--	--	--	--	--	--	--	29.32dBm
6	2437	22.41	22.31	22.18	22.08	21.95	21.83	21.71	21.59	29.32dBm
11	2462	16.64	--	--	--	--	--	--	--	29.32dBm

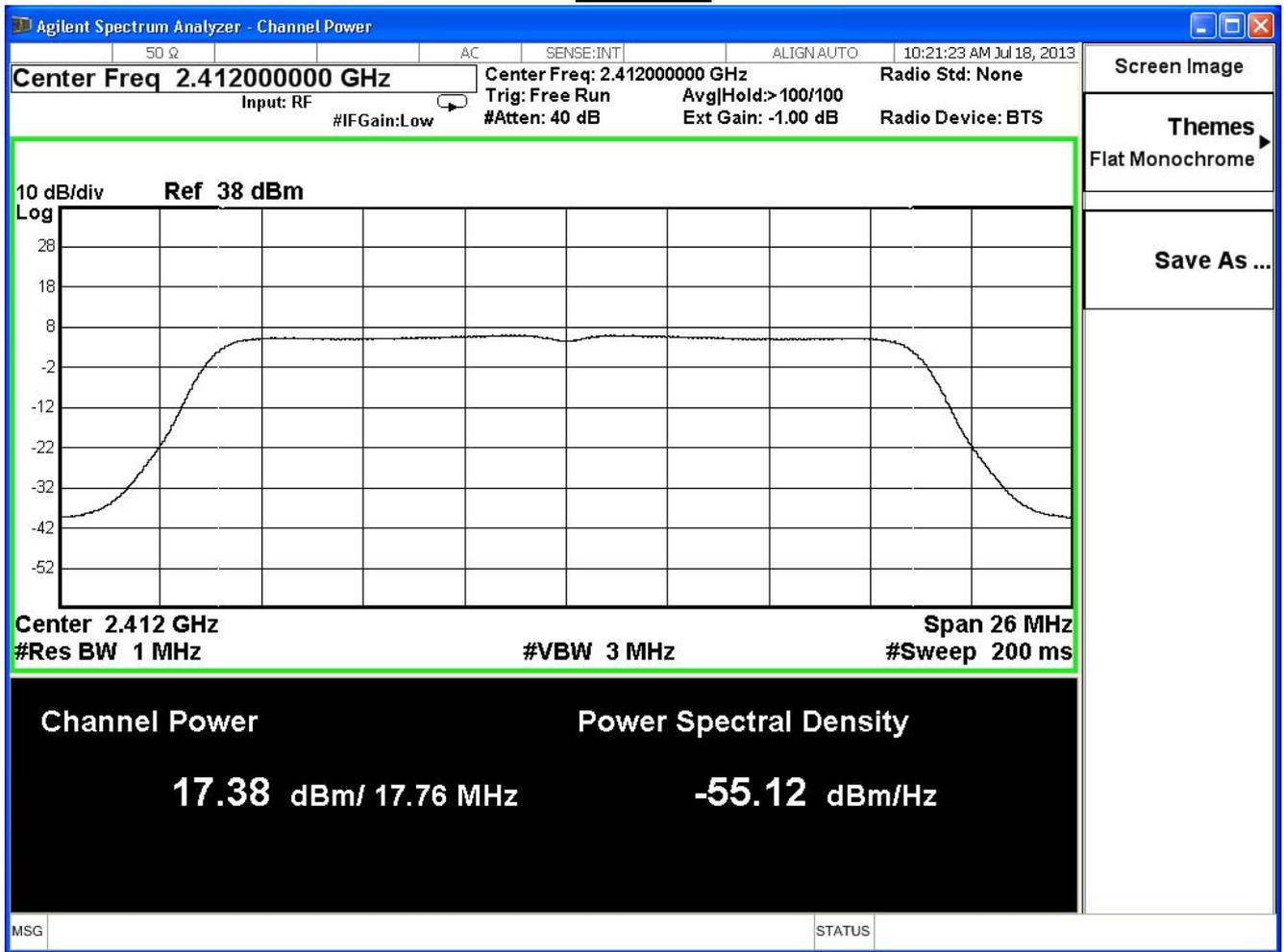
Note:

Measure Level =Reading value + cable loss

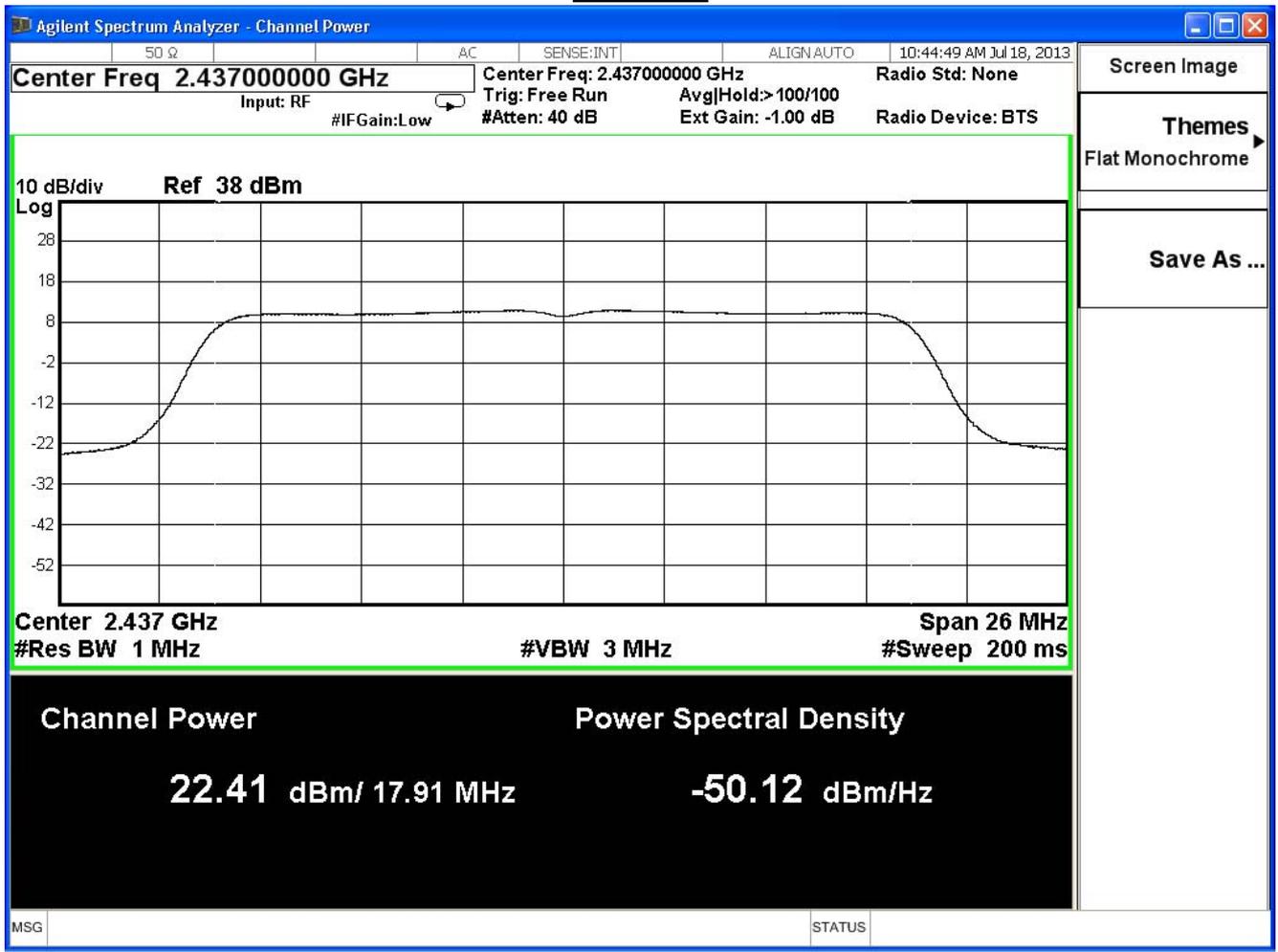
Directional Gain=10log(Ant N)+max Gain = 10log(3)+1.91dBi =6.68dBi

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

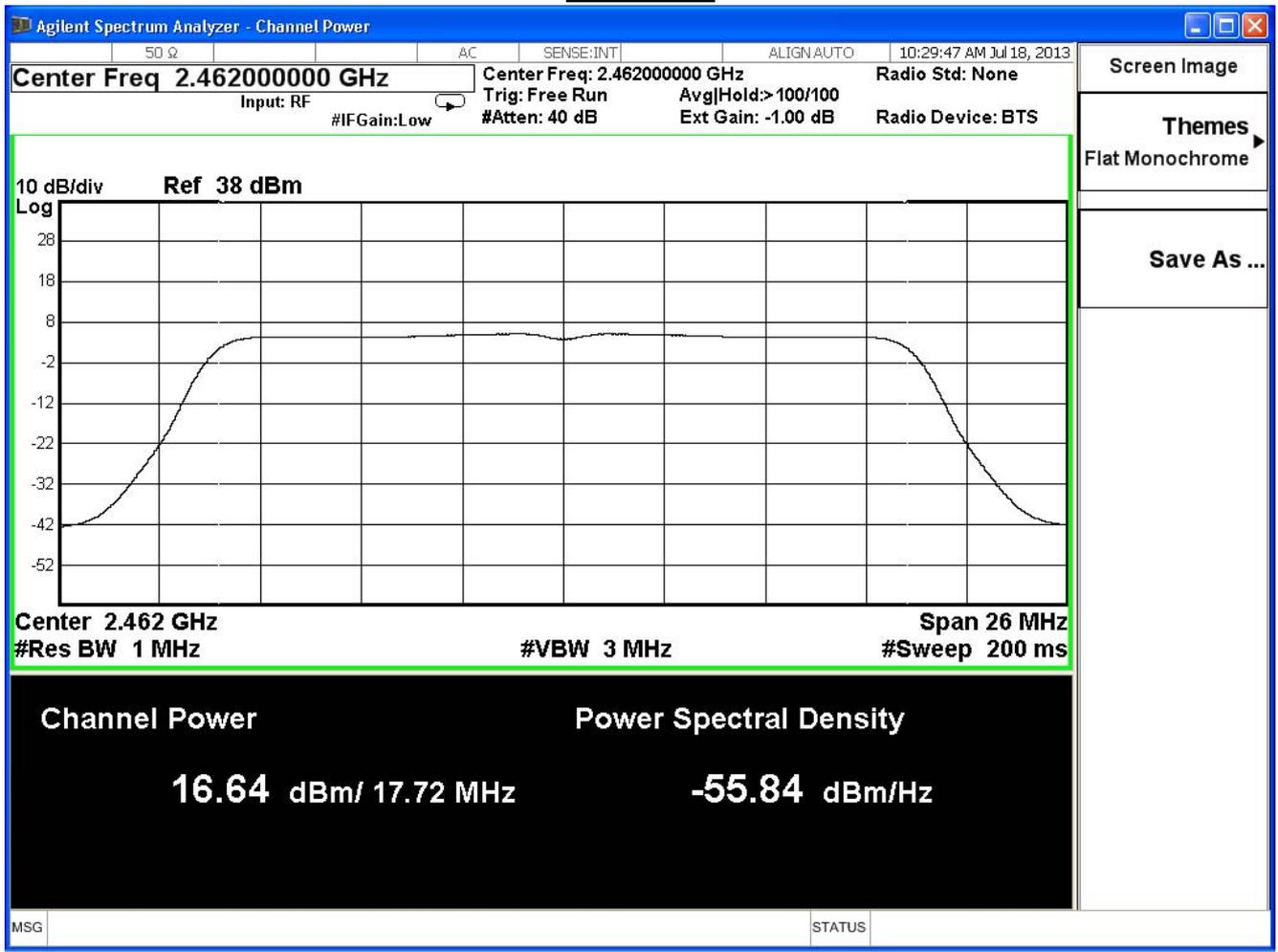
Channel 1



**Channel 6**



Channel 11



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 802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.33	≤ 29.32	Pass
6	2437	27.18	≤ 29.32	Pass
11	2462	21.68	≤ 29.32	Pass

The worst emission of data rate is 19.5 Mbps.

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	
1	2412	22.33	--	--	--	--	--	--	--	29.32dBm
6	2437	27.18	27.04	26.89	26.78	26.66	26.54	26.38	26.27	29.32dBm
11	2462	21.68	--	--	--	--	--	--	--	29.32dBm

Note:

Measure Level = Reading value + cable loss

Directional Gain =  $10\log(\text{Ant N}) + \text{max Gain} = 10\log(3) + 1.91\text{dBi} = 6.68\text{dBi}$

Required Limit =  $30\text{dBm} - (6.68\text{dBi} - 6\text{dB}) = 30\text{dBm} - 0.68\text{dB} = 29.32\text{dBm}$

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

IEEE802.11n 40MHz (ANT 0) , power index: ch3:55, ch6:96 ,ch9:53

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	17.58	≤ 29.32	Pass
6	2437	22.90	≤ 29.32	Pass
9	2452	14.60	≤ 29.32	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	
3	2422	17.58	--	--	--	--	--	--	--	29.32dBm
6	2437	22.90	22.70	22.48	22.38	22.18	21.94	21.81	21.57	29.32dBm
9	2452	14.6	--	--	--	--	--	--	--	29.32dBm

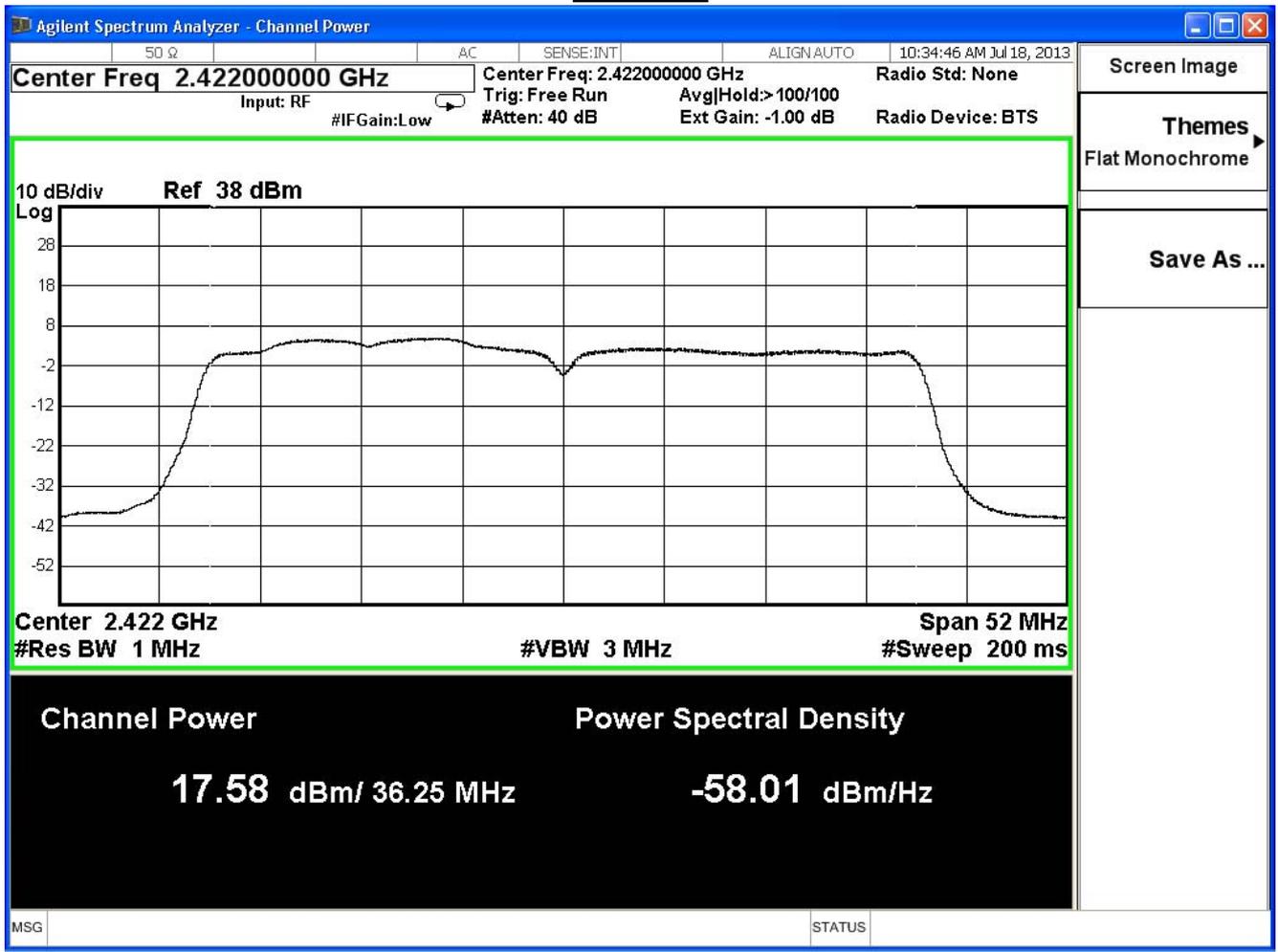
Note:

Measure Level =Reading value + cable loss

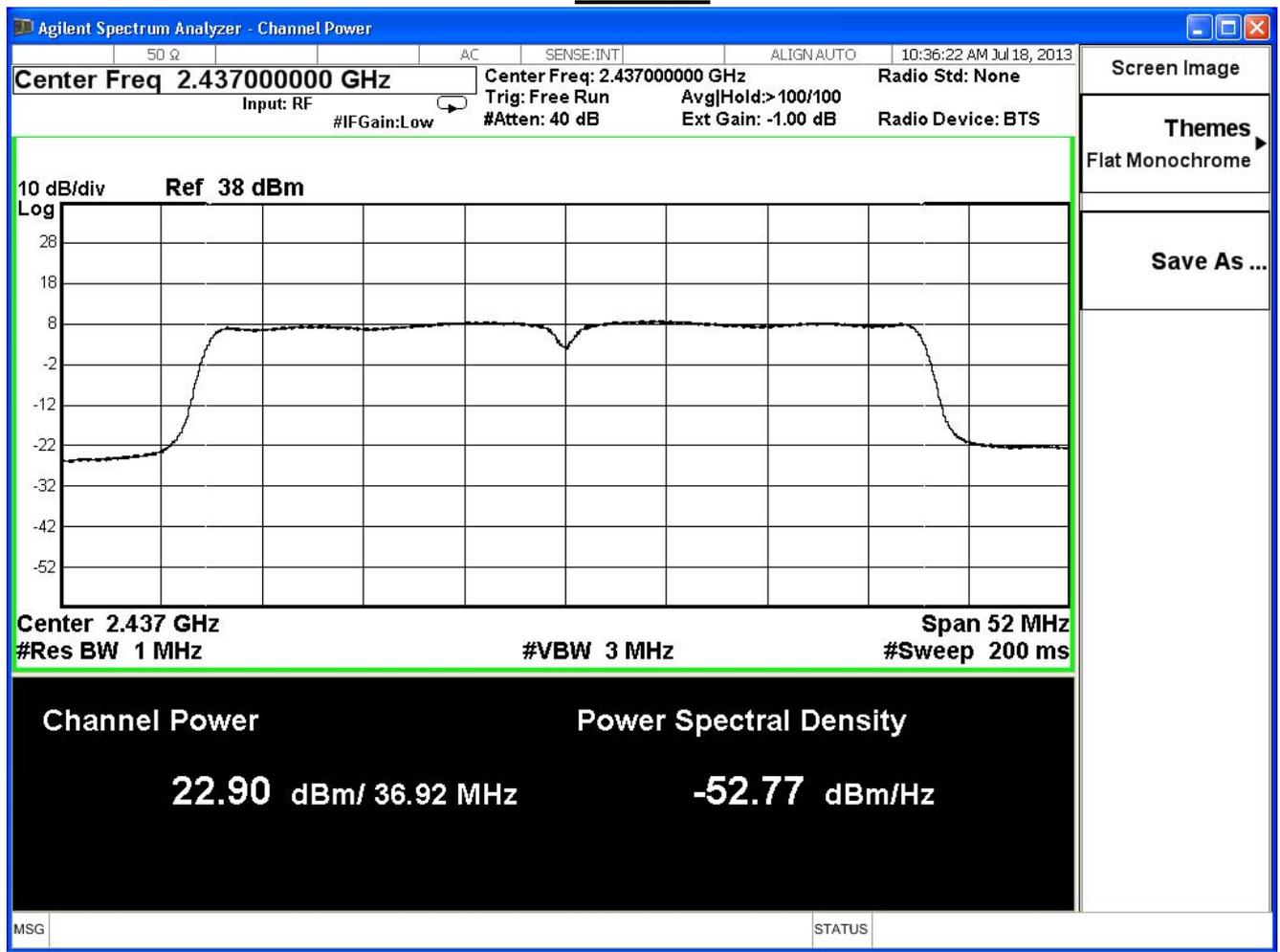
Directional Gain=10log(Ant N)+max Gain = 10log(3)+1.91dBi =6.68dBi

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

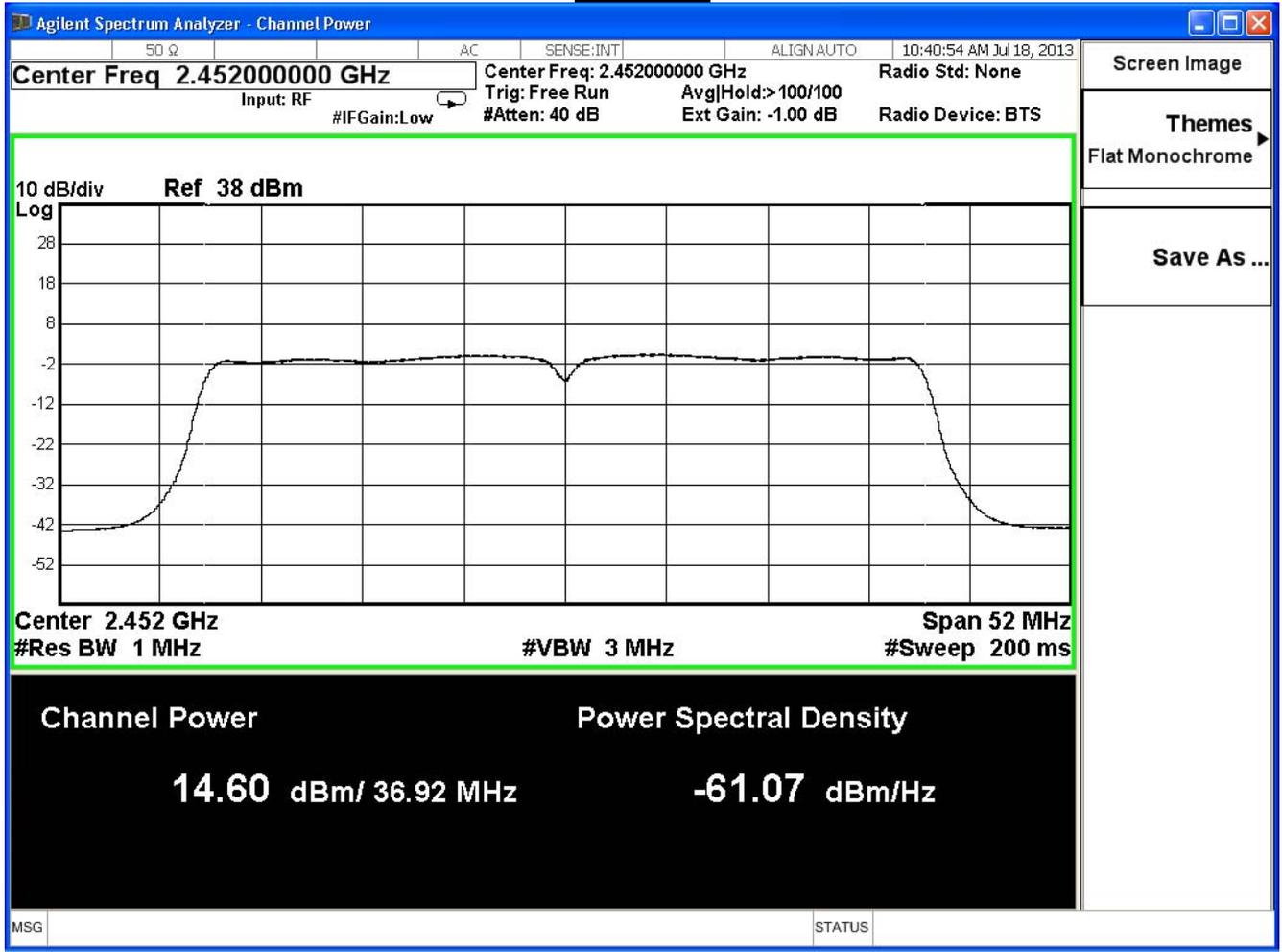
**Channel 3**



**Channel 6**



Channel 9



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

IEEE802.11n 40MHz (ANT 1) , power index: ch3:55, ch6:96 ,ch9:53

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	15.42	≤ 29.32	Pass
6	2437	21.86	≤ 29.32	Pass
9	2452	14.34	≤ 29.32	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	
3	2422	15.42	--	--	--	--	--	--	--	29.32dBm
6	2437	21.86	21.76	21.66	21.40	21.30	21.06	20.94	20.70	29.32dBm
9	2452	14.34	--	--	--	--	--	--	--	29.32dBm

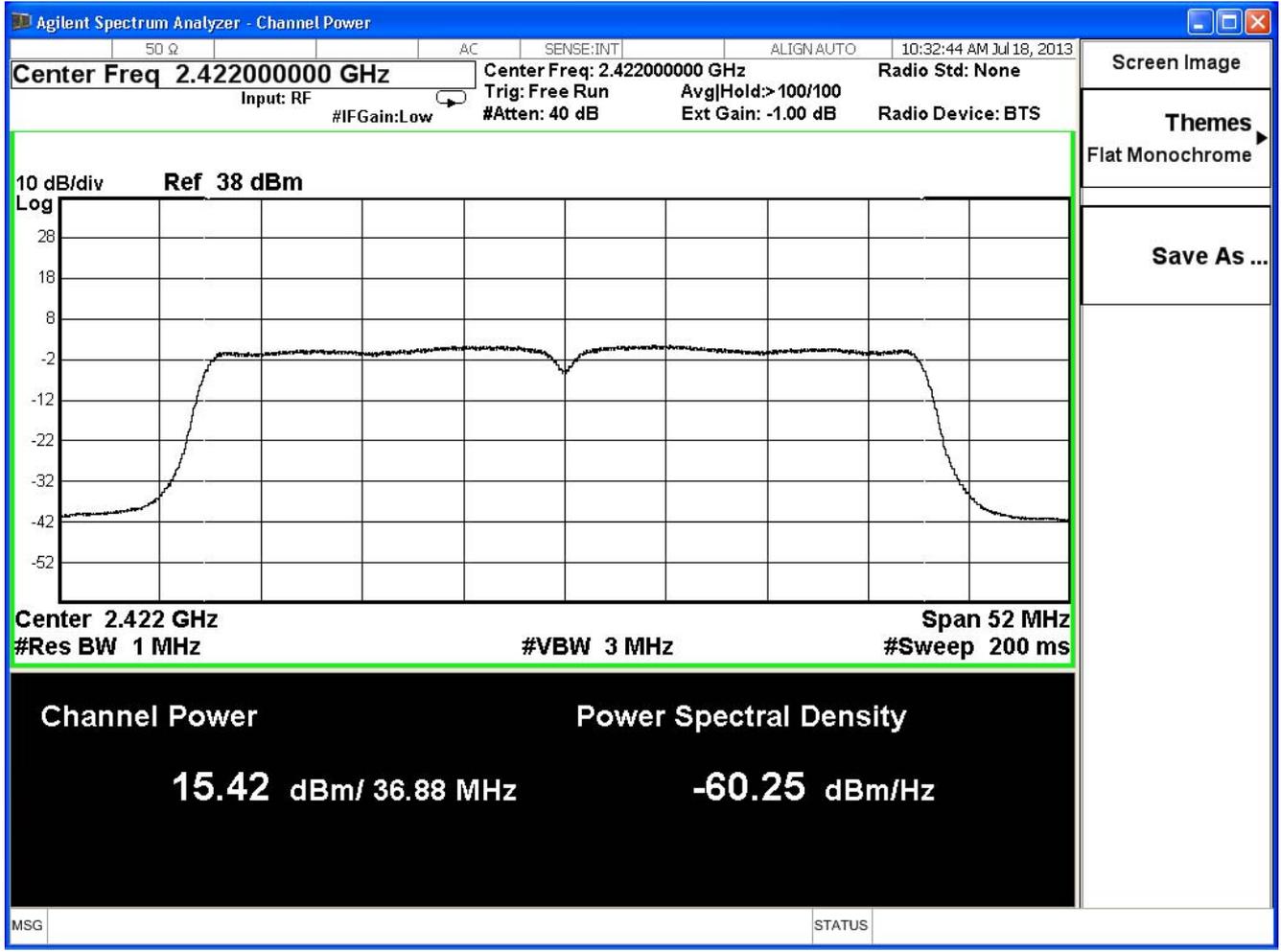
Note:

Measure Level =Reading value + cable loss

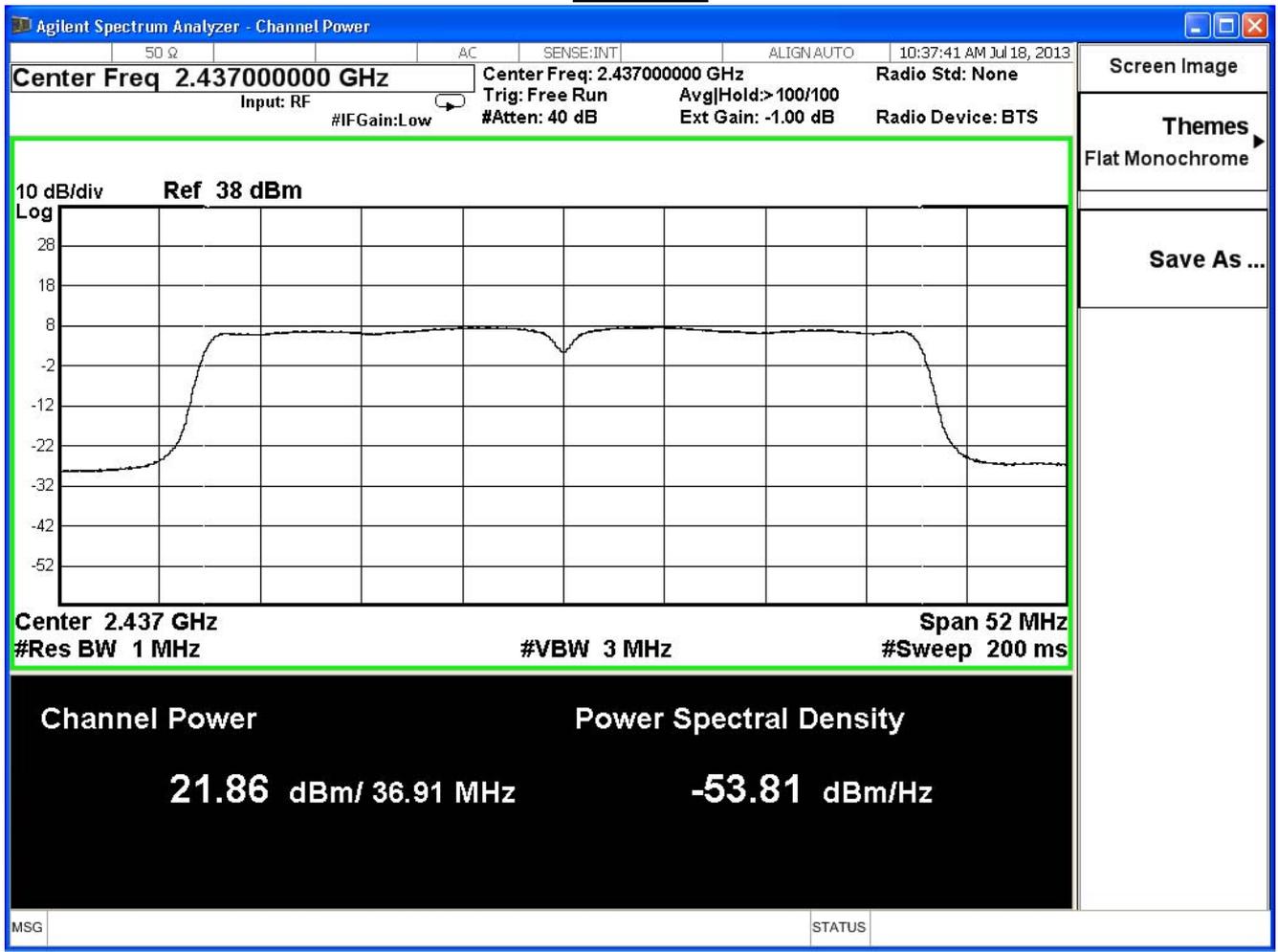
Directional Gain=10log(Ant N)+max Gain = 10log(3)+1.91dBi =6.68dBi

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

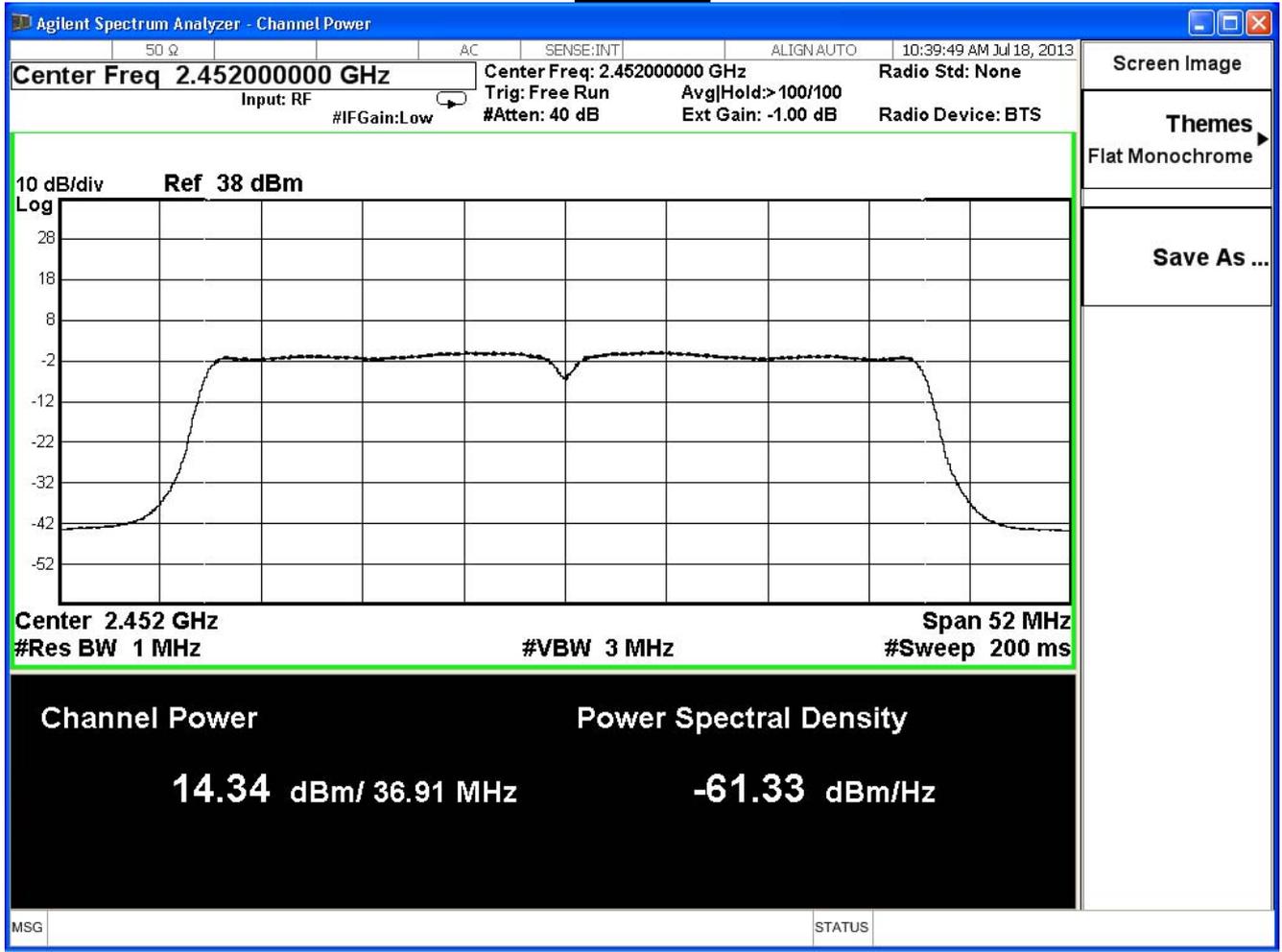
Channel 3



**Channel 6**



Channel 9



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

IEEE802.11n 40MHz (ANT 2) , power index: ch3:55, ch6:96 ,ch9:53

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	16.83	≤ 29.32	Pass
6	2437	21.75	≤ 29.32	Pass
9	2452	14.06	≤ 29.32	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	
3	2422	16.83	--	--	--	--	--	--	--	29.32dBm
6	2437	21.75	21.55	21.44	21.34	21.22	20.98	20.74	20.62	29.32dBm
9	2452	14.06	--	--	--	--	--	--	--	29.32dBm

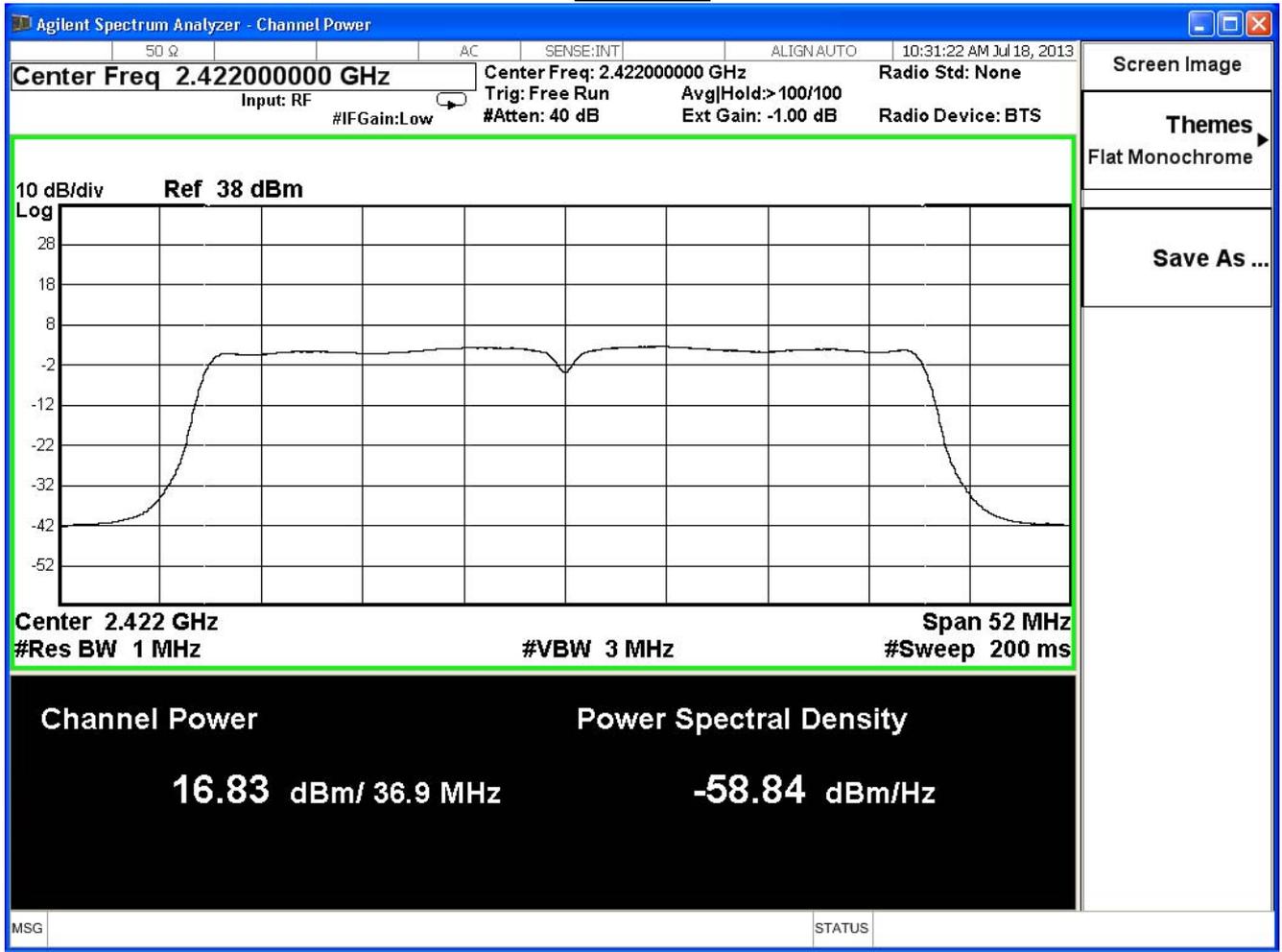
Note:

Measure Level =Reading value + cable loss

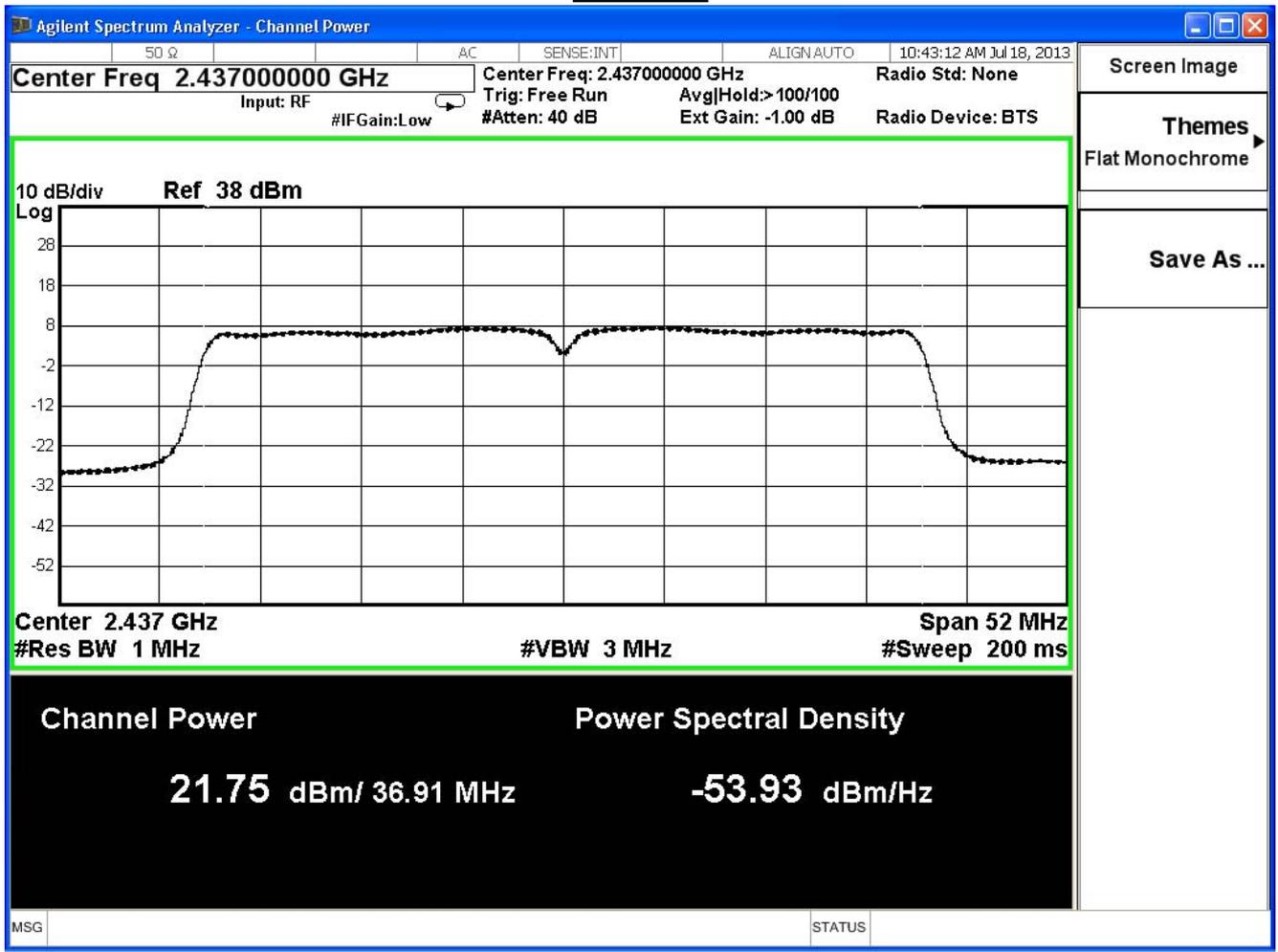
Directional Gain=10log(Ant N)+max Gain = 10log(3)+1.91dBi =6.68dBi

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

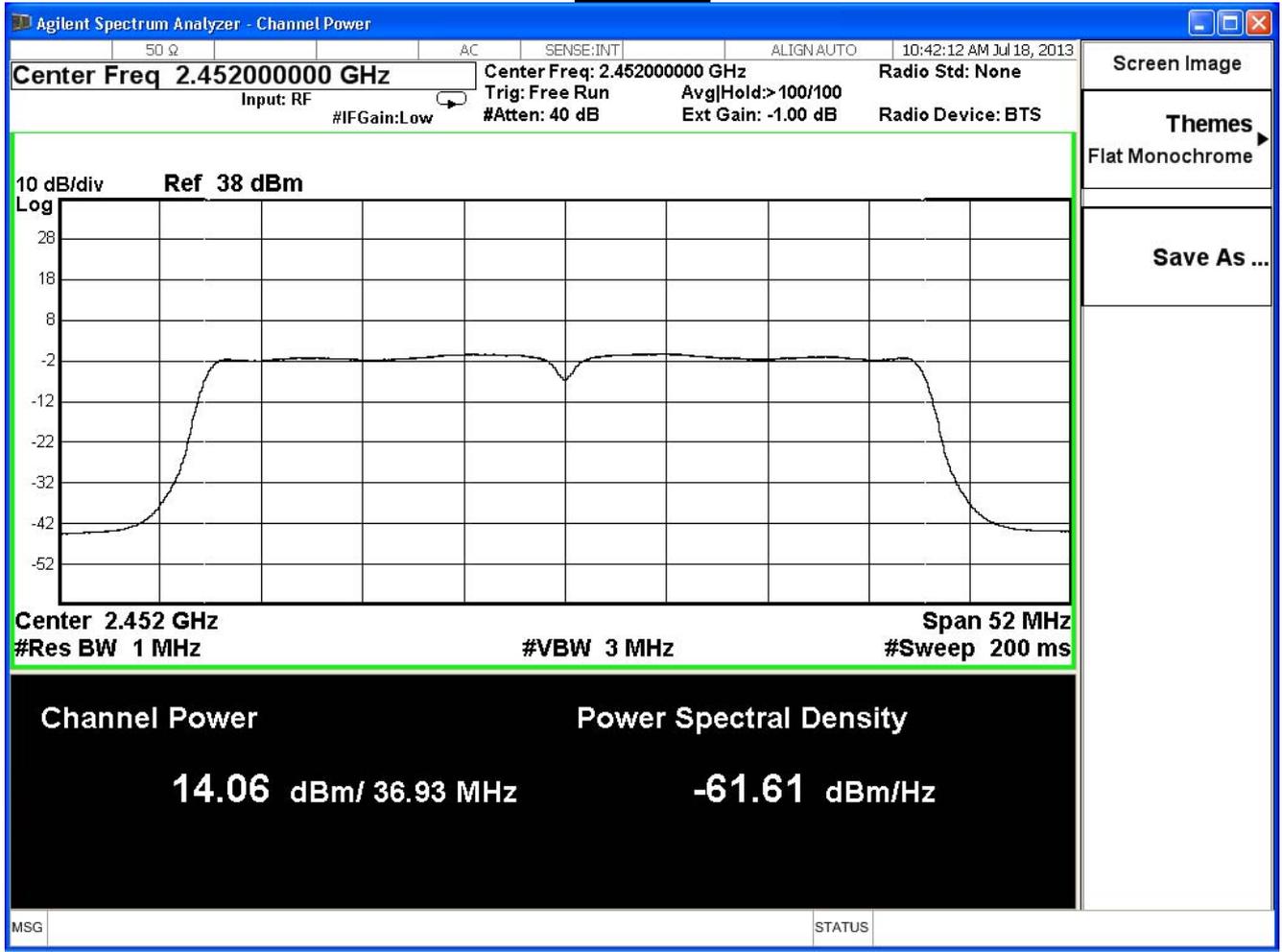
Channel 3



**Channel 6**



Channel 9



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

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	21.47	≤ 29.32	Pass
6	2437	26.97	≤ 29.32	Pass
9	2452	19.11	≤ 29.32	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	
3	2422	21.47	--	--	--	--	--	--	--	29.32dBm
6	2437	26.97	26.80	26.65	26.50	26.36	26.12	25.96	25.76	29.32dBm
9	2452	19.11	--	--	--	--	--	--	--	29.32dBm

Note:

Measure Level =Reading value + cable loss

Directional Gain=10log(Ant N)+max Gain = 10log(3)+1.91dBi =6.68dBi

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

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

IEEE802.11a (ANT 0) ,1TX mode (SISO),Power index : ch.149:104 , ch:157:104 , ch:165:104

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	25.87	≤27.19	Pass
157	5785	26.02	≤27.19	Pass
165	5825	25.77	≤27.19	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	25.87	--	--	--	--	--	--	27.19dBm
157	5785	26.02	25.90	25.80	25.69	25.45	25.33	25.19	27.19dBm
165	5825	25.77	--	--	--	--	--	--	27.19dBm

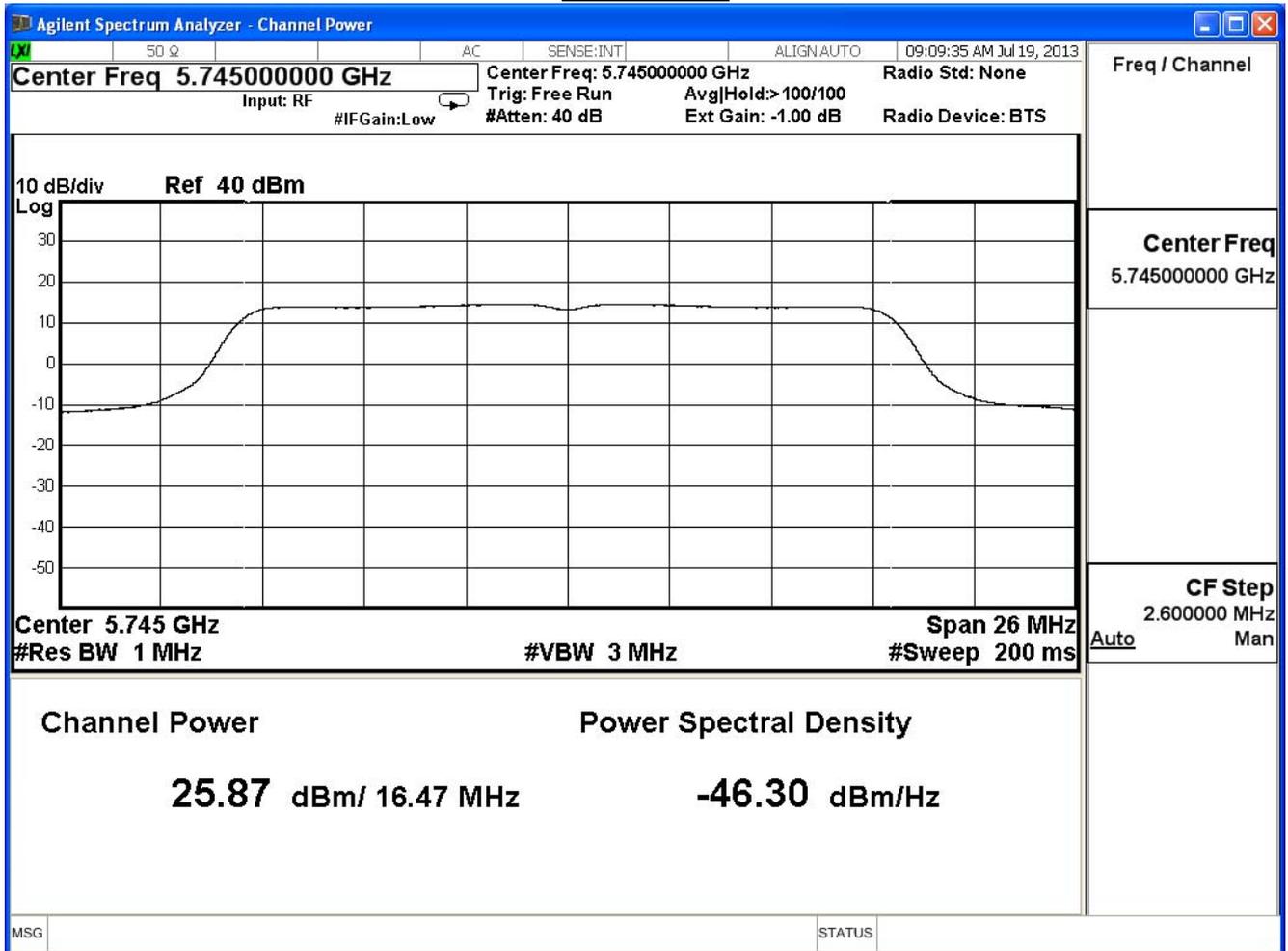
Note:

Measure Level =Reading value + cable loss

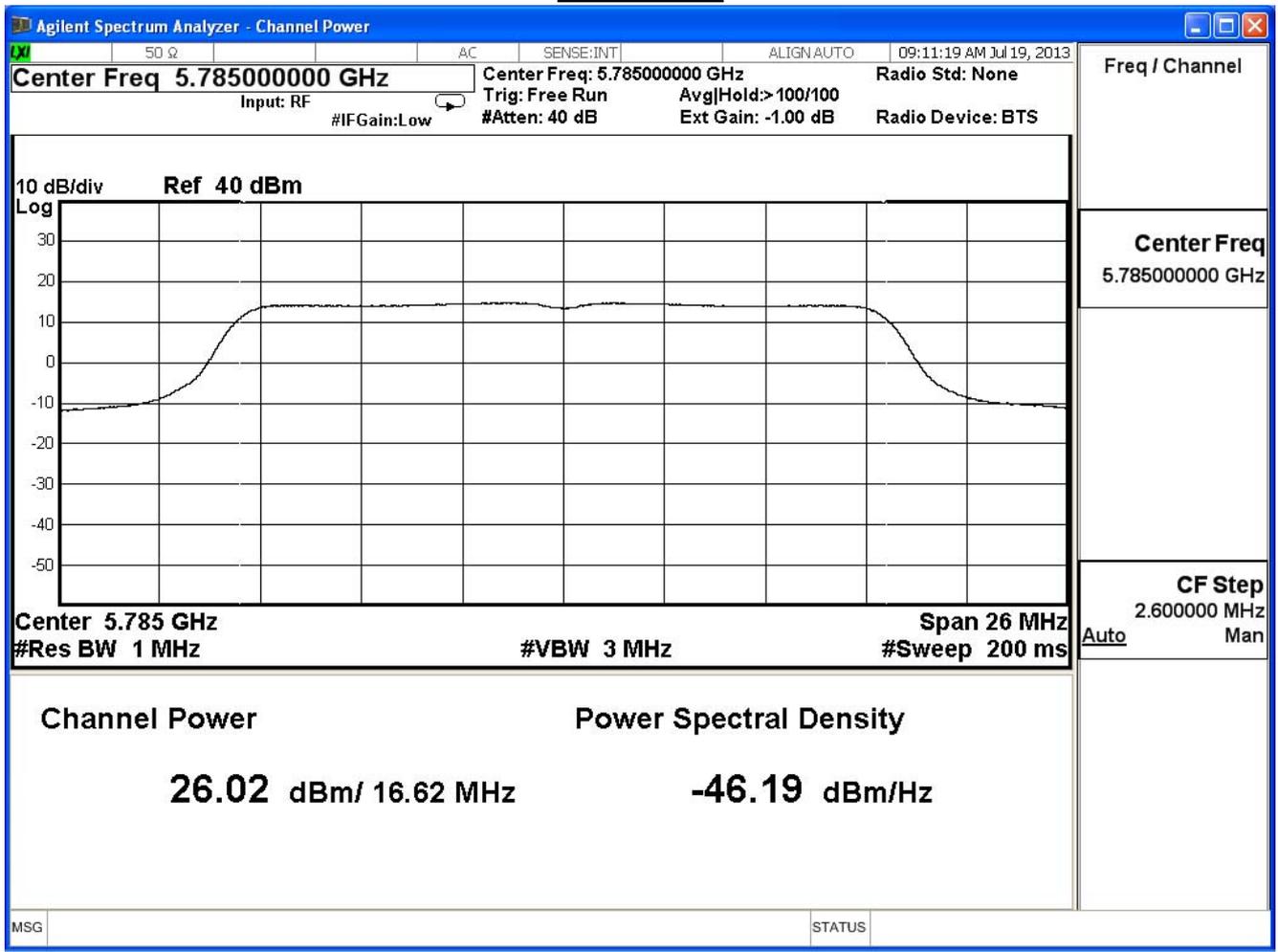
Directional Gain=Beamforming Gain + Max Gain = 4.77dB + 404dBi = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

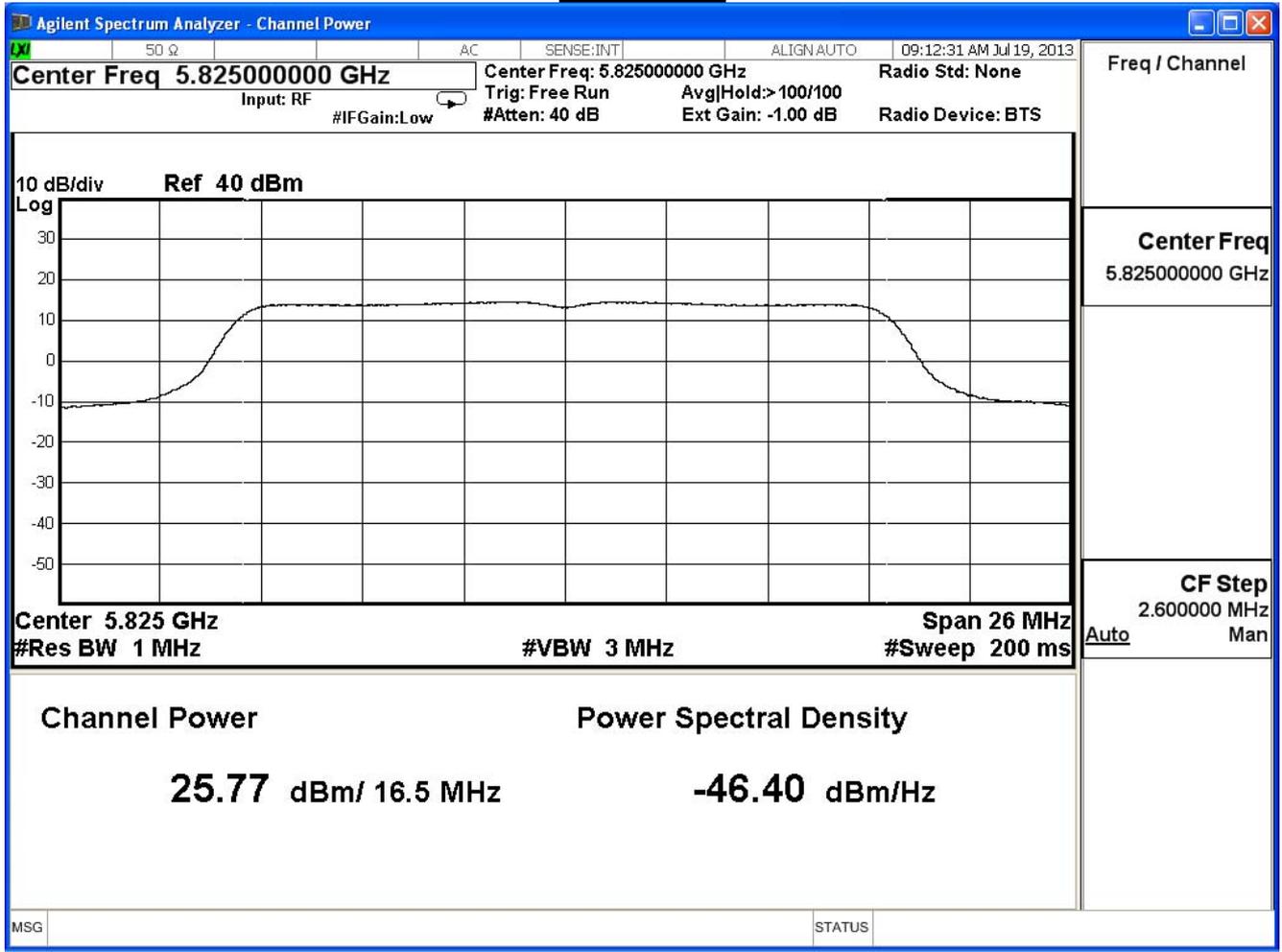
Channel 149



**Channel 157**



Channel 165



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

IEEE802.11 n 20MHz (ANT 0) Power index : ch:149:92 , ch:157:92 , ch:165:92

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	22.13	≤27.19	Pass
157	5785	22.04	≤27.19	Pass
165	5825	21.84	≤27.19	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	22.13	--	--	--	--	--	--	--	27.09dBm
157	5785	22.04	21.82	21.62	21.42	21.18	21.06	20.91	20.67	27.19dBm
165	5825	21.84	--	--	--	--	--	--	--	27.19dBm

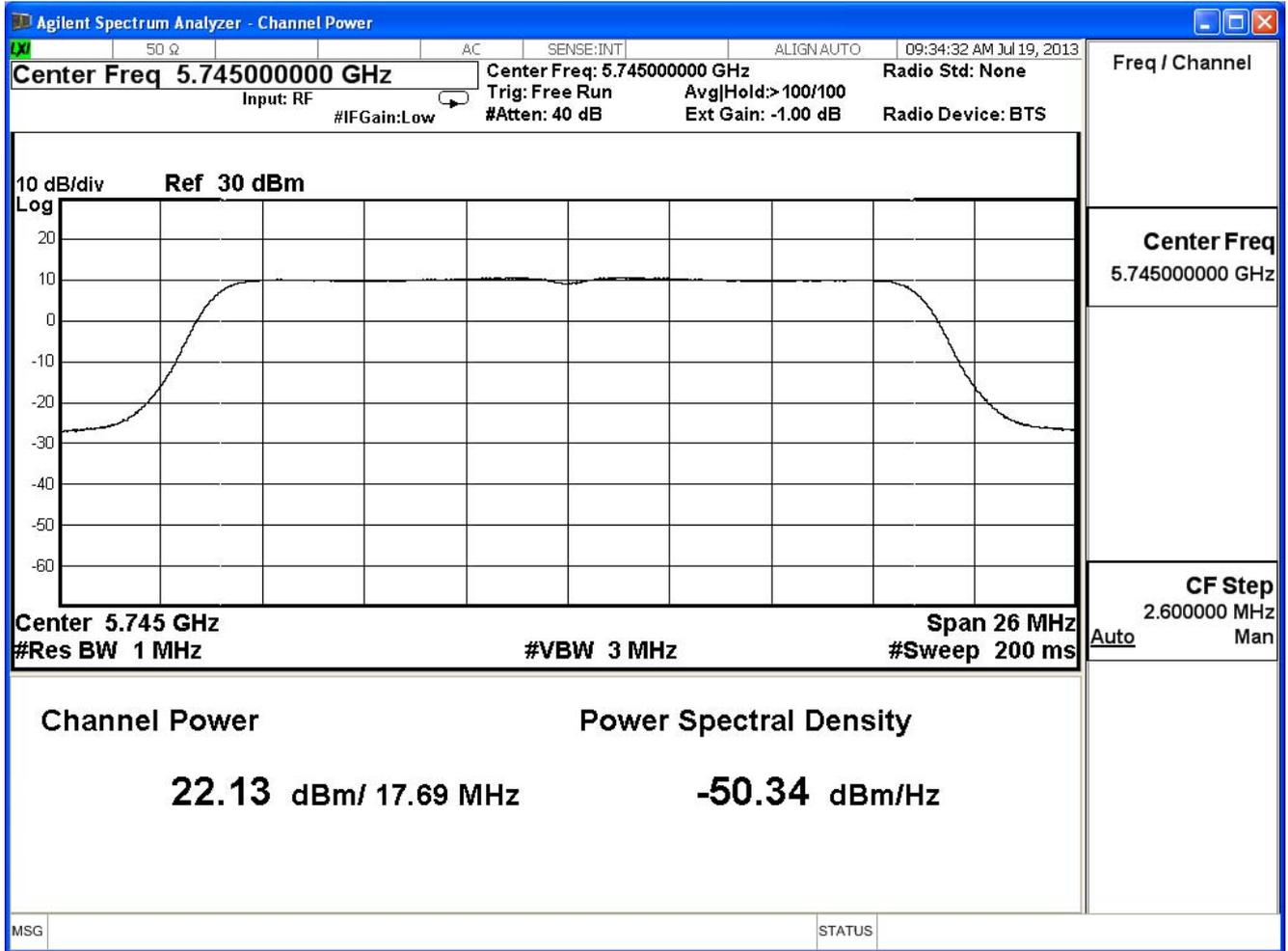
Note:

Measure Level =Reading value + cable loss

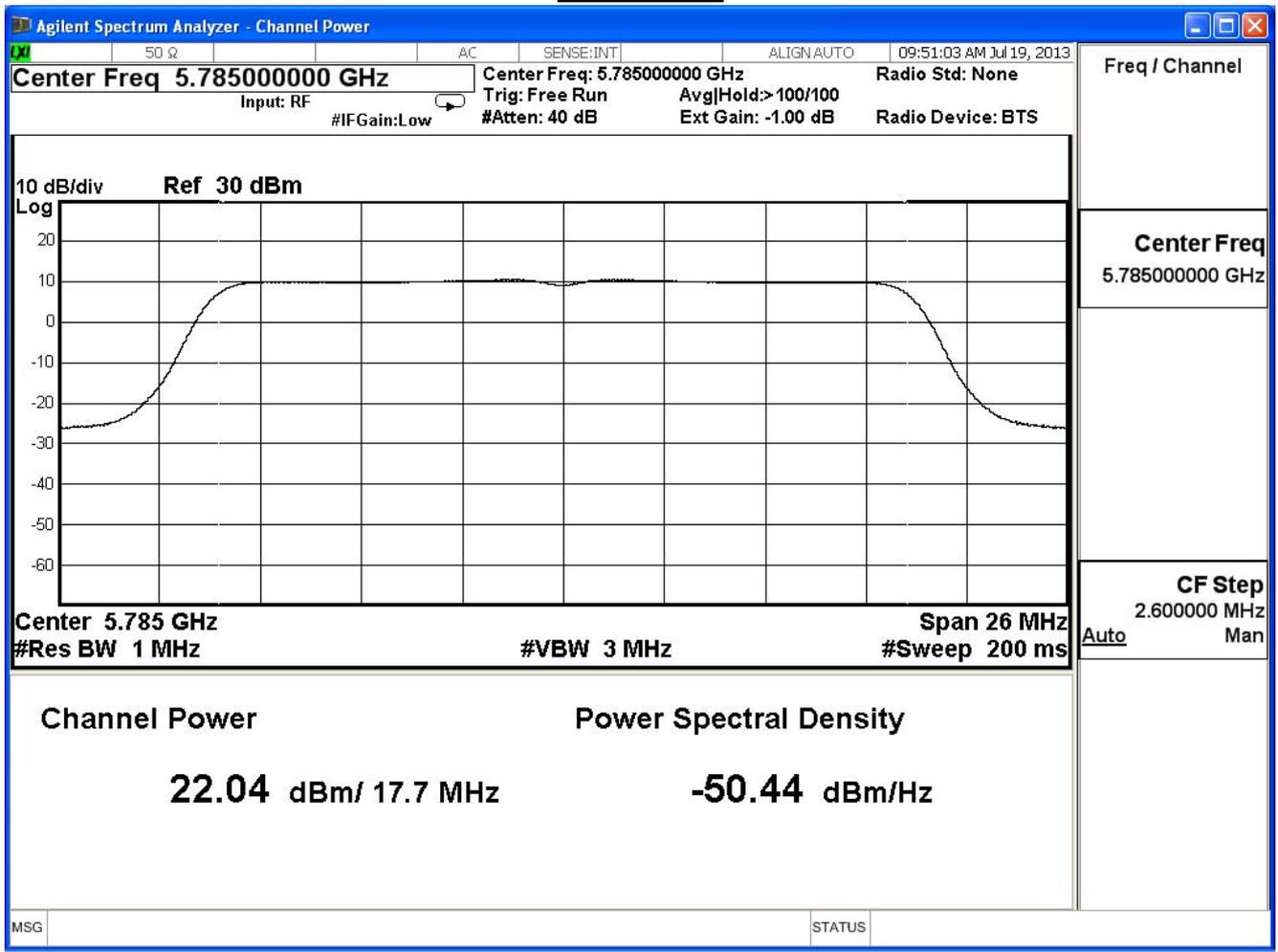
Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

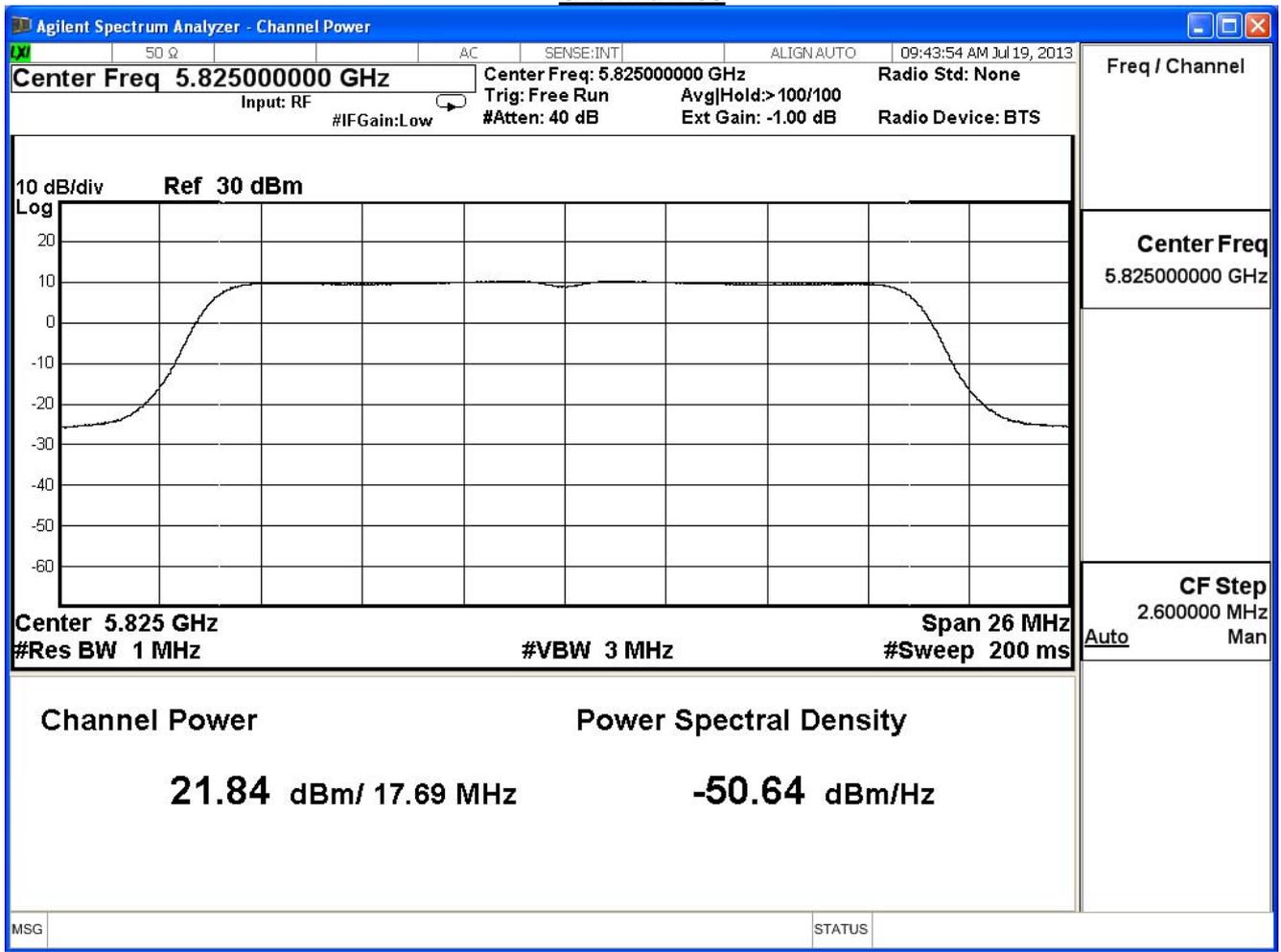
Channel 149



**Channel 157**



Channel 165



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

IEEE802.11 n 20MHz (ANT 1) Power index : ch.149:92 , ch:157:92 , ch:165:92

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	21.59	≤27.19	Pass
157	5785	21.81	≤27.19	Pass
165	5825	21.80	≤27.19	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	21.59	--	--	--	--	--	--	--	27.19dBm
157	5785	21.81	21.74	21.72	21.72	21.71	21.66	21.64	20.61	27.19dBm
165	5825	21.80	--	--	--	--	--	--	--	27.19dBm

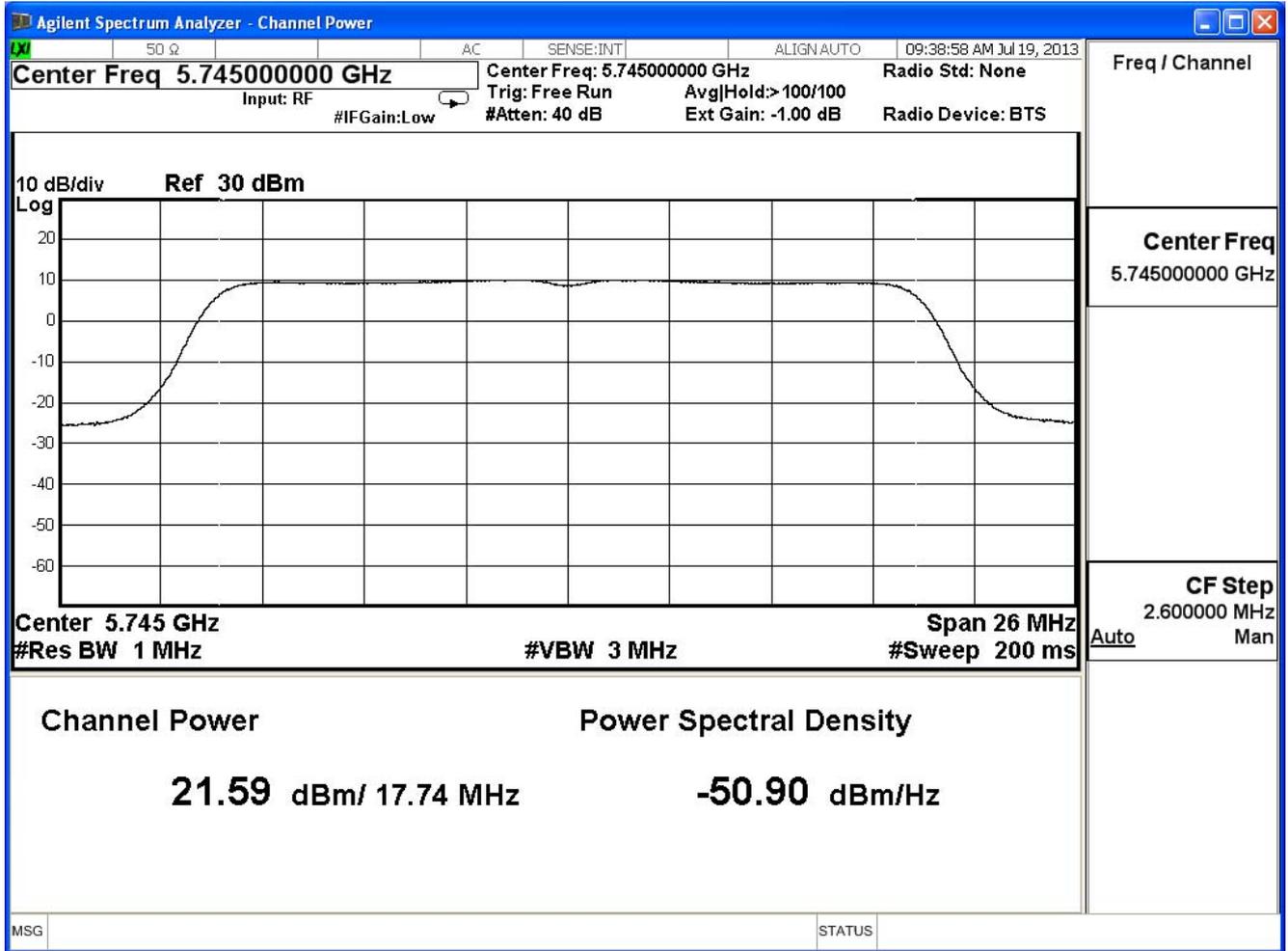
Note:

Measure Level =Reading value + cable loss

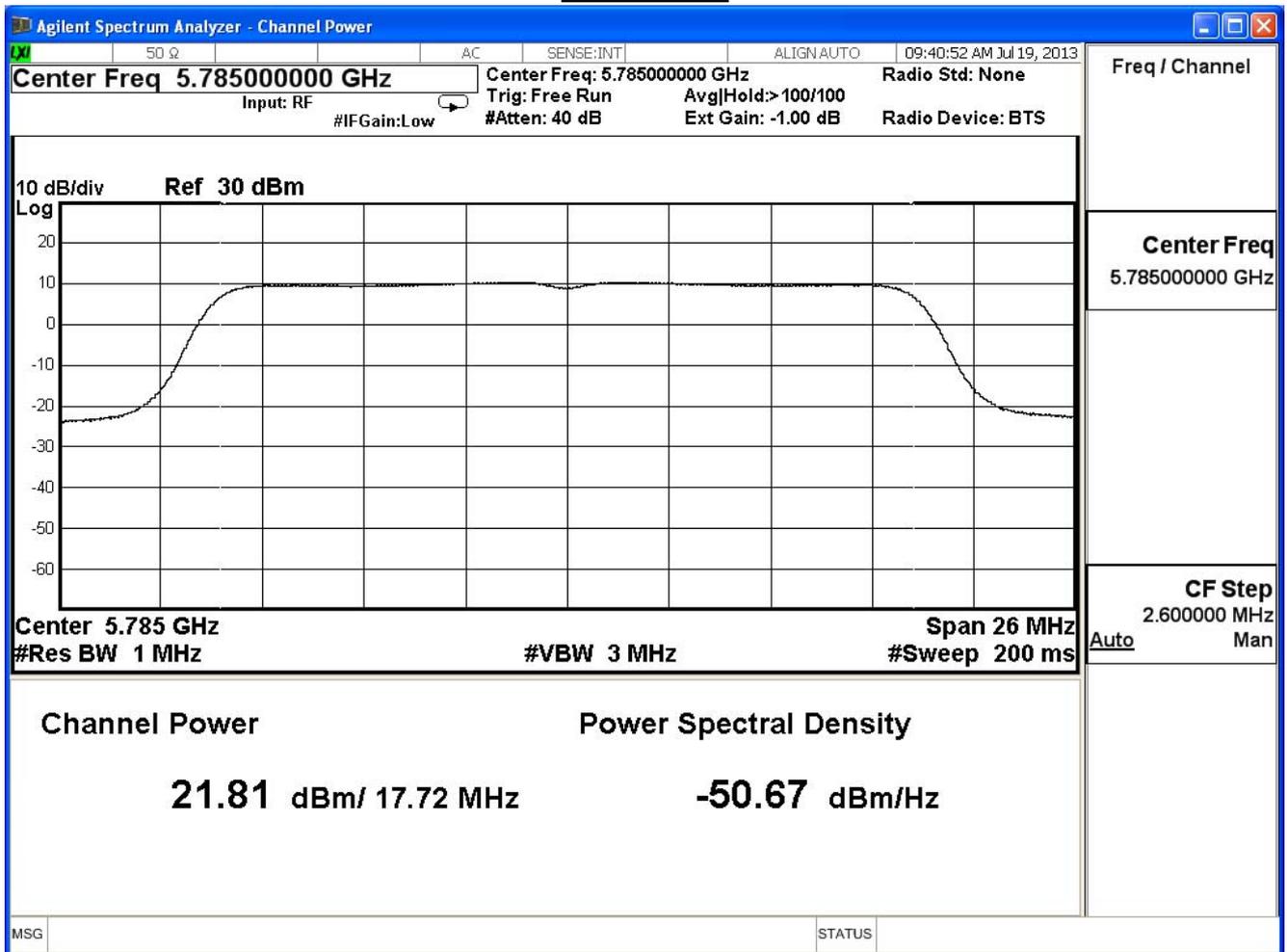
Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

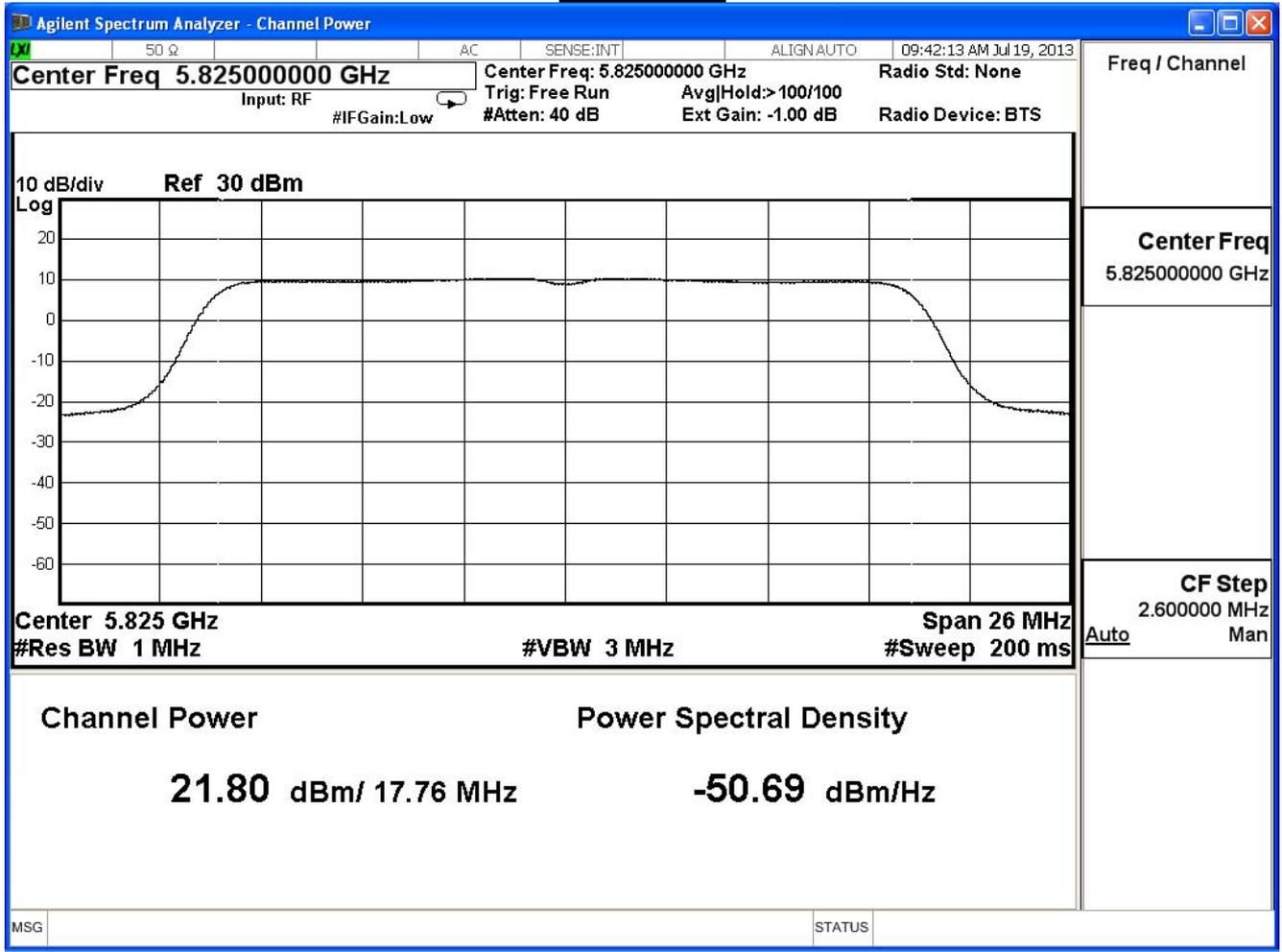
Channel 149



**Channel 157**



Channel 165



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

IEEE802.11 n 20MHz (ANT 2) Power index : ch:149:92 , ch:157:92 , ch:165:92

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	21.94	≤27.19	Pass
157	5785	22.17	≤27.19	Pass
165	5825	21.94	≤27.19	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	21.94	--	--	--	--	--	--	--	27.19dBm
157	5785	22.17	21.97	21.87	21.75	21.65	21.41	21.29	21.17	27.19dBm
165	5825	21.94	--	--	--	--	--	--	--	27.19dBm

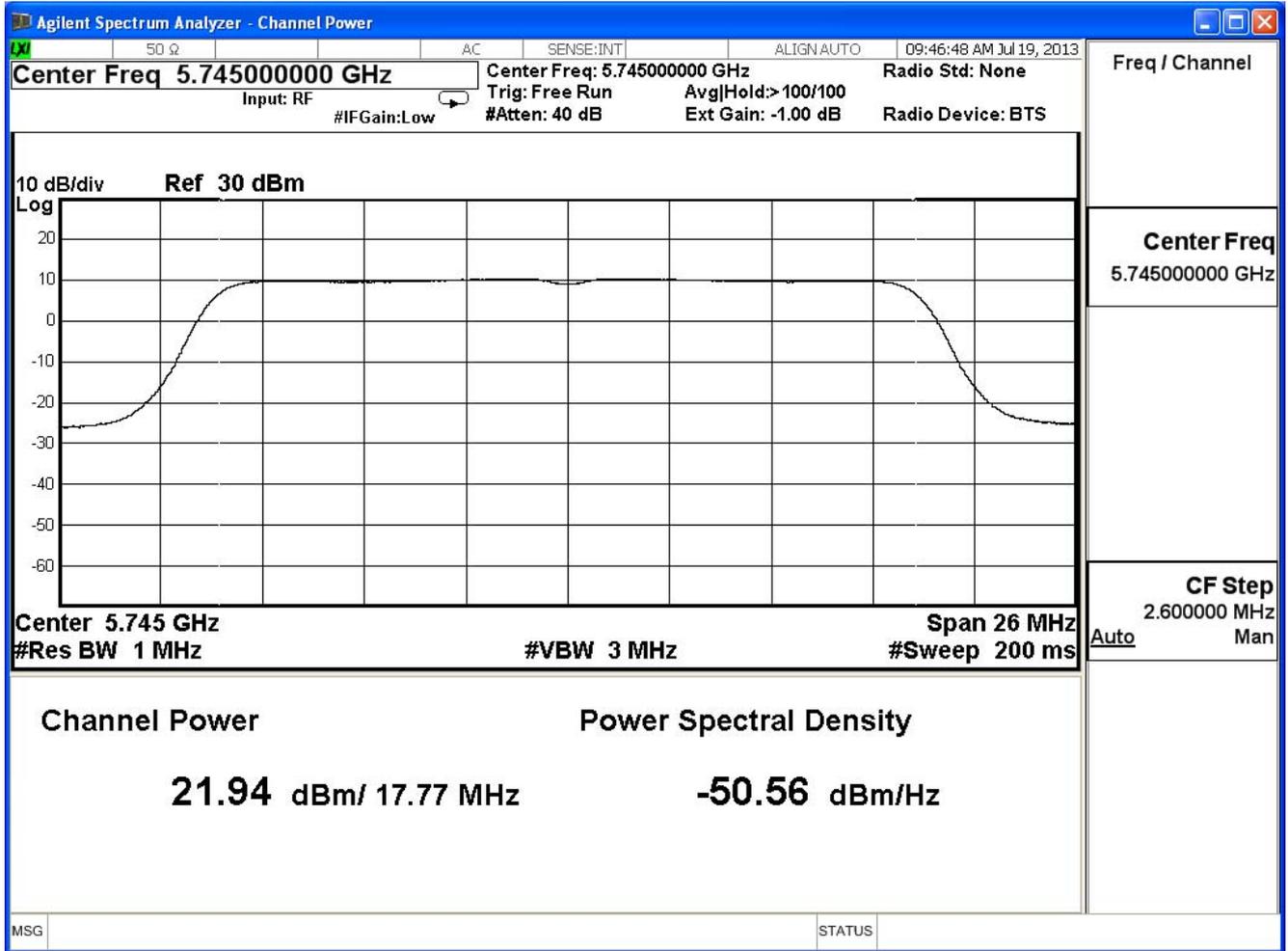
Note:

Measure Level =Reading value + cable loss

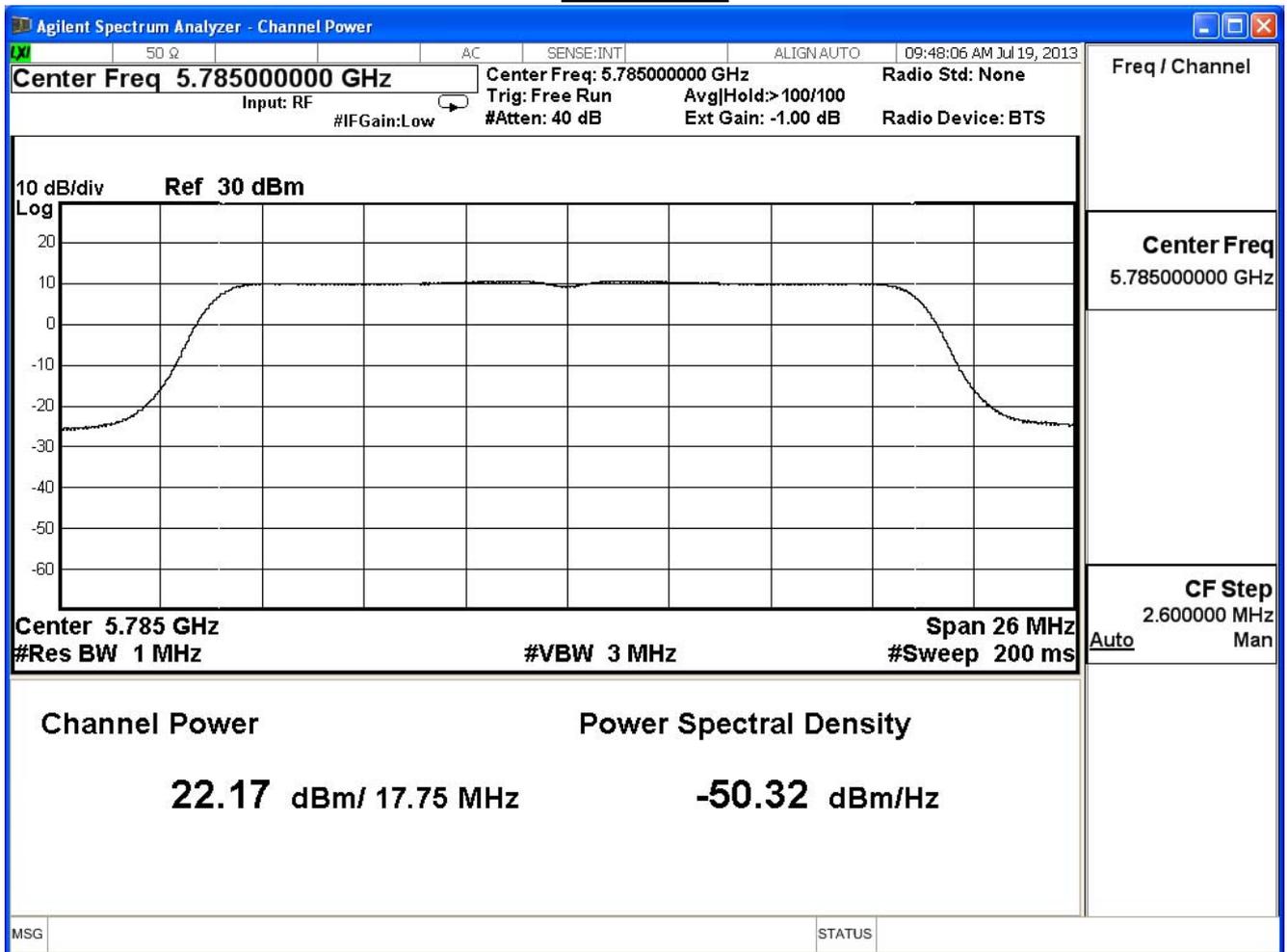
Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

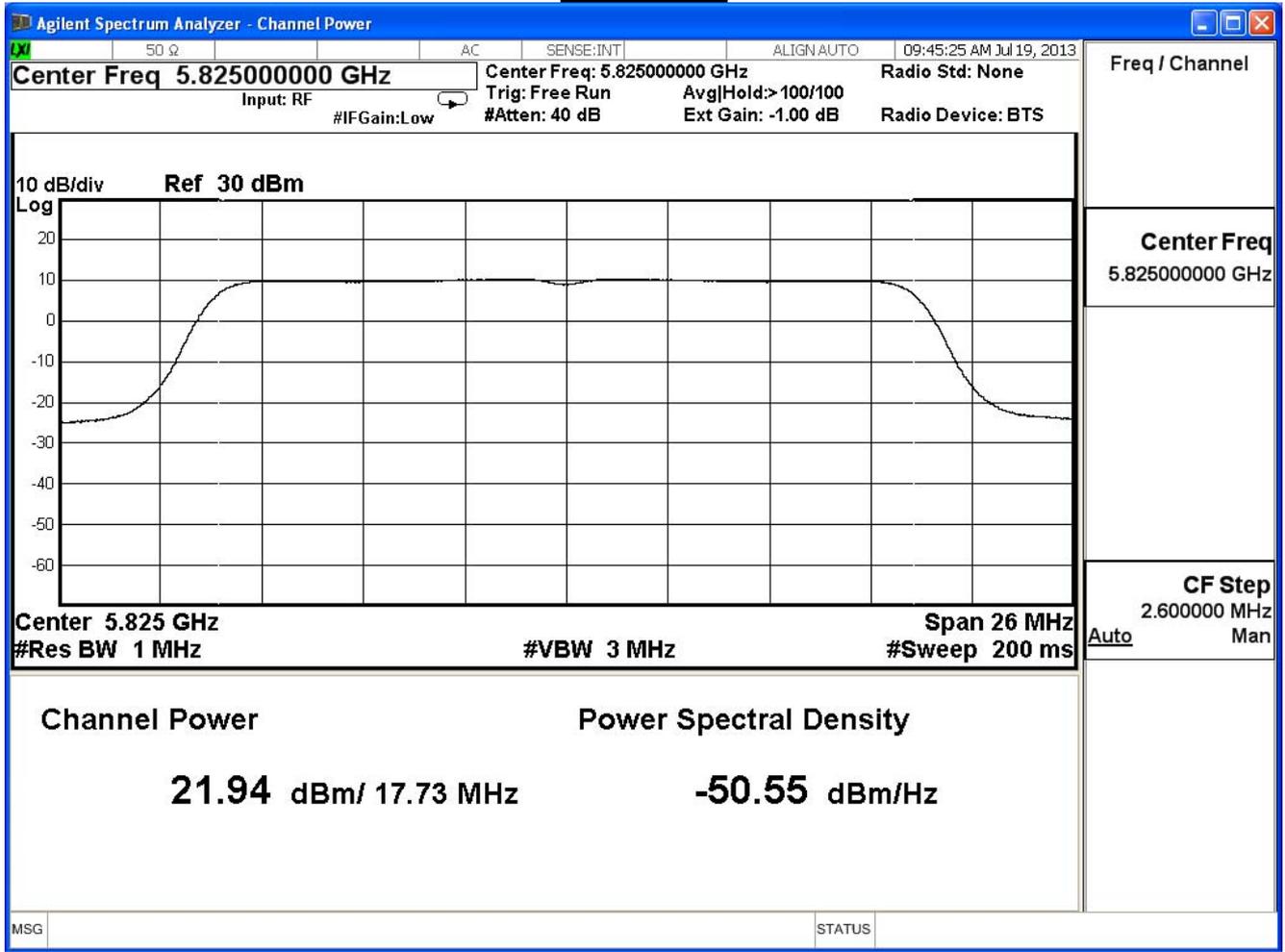
Channel 149



**Channel 157**



Channel 165



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

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	26.66	≤27.19	Pass
157	5785	26.78	≤27.19	Pass
165	5825	26.63	≤27.19	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	26.84	--	--	--	--	--	--	--	27.19dBm
157	5785	26.85	26.68	26.54	26.37	26.19	25.98	25.85	25.66	27.19dBm
165	5825	26.64	--	--	--	--	--	--	--	27.19dBm

Note:

Measure Level =Reading value + cable loss

Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

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

IEEE802.11 n 40MHz (ANT 0) Power index : ch.151:92 , ch:159:92

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	22.04	≤27.19	Pass
159	5795	22.11	≤27.19	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	22.04	--	--	--	--	--	--	--	27.19dBm
159	5795	22.11	22.01	21.91	21.71	21.51	21.39	21.15	20.91	27.19dBm

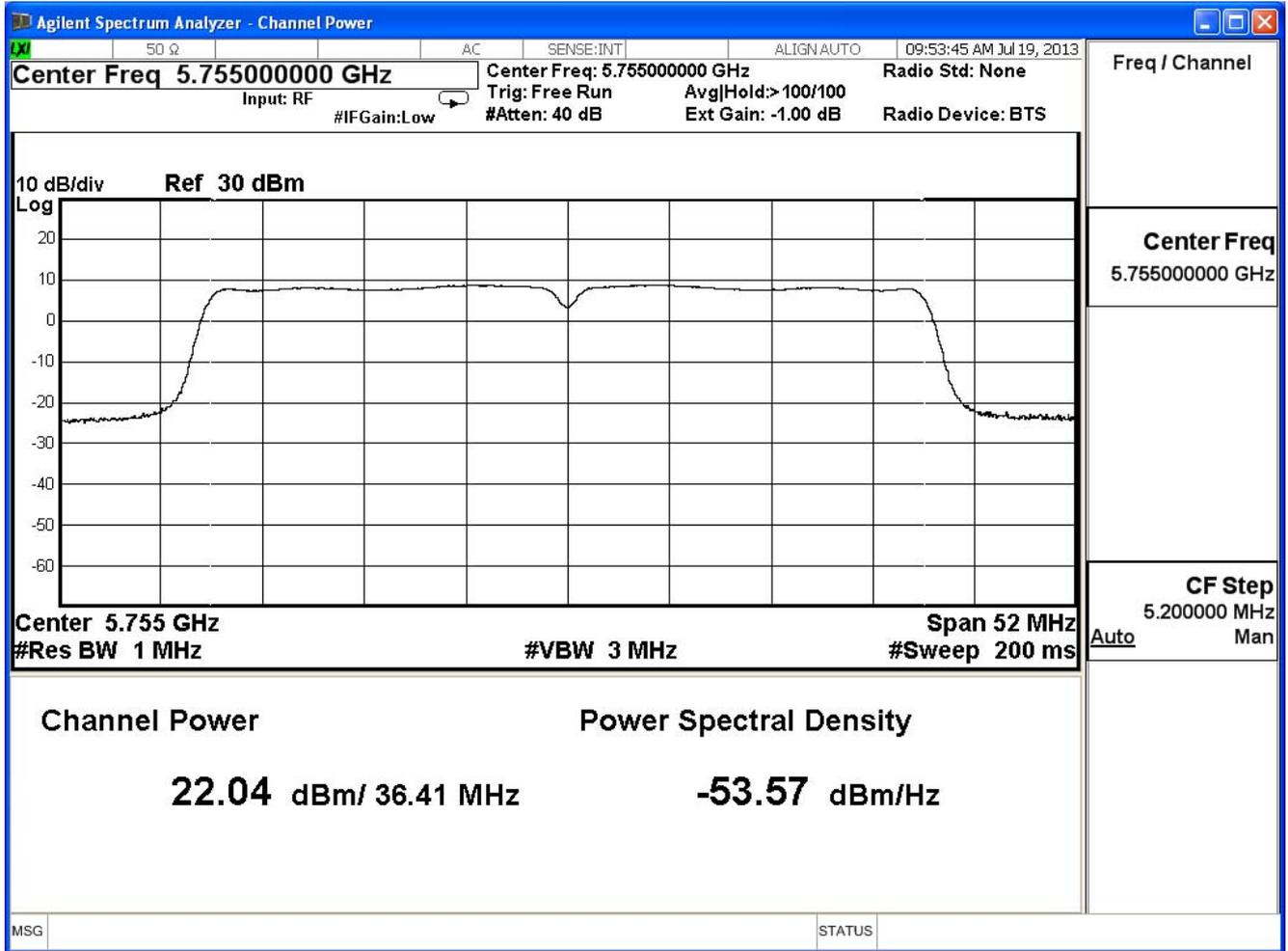
Note:

Measure Level =Reading value + cable loss

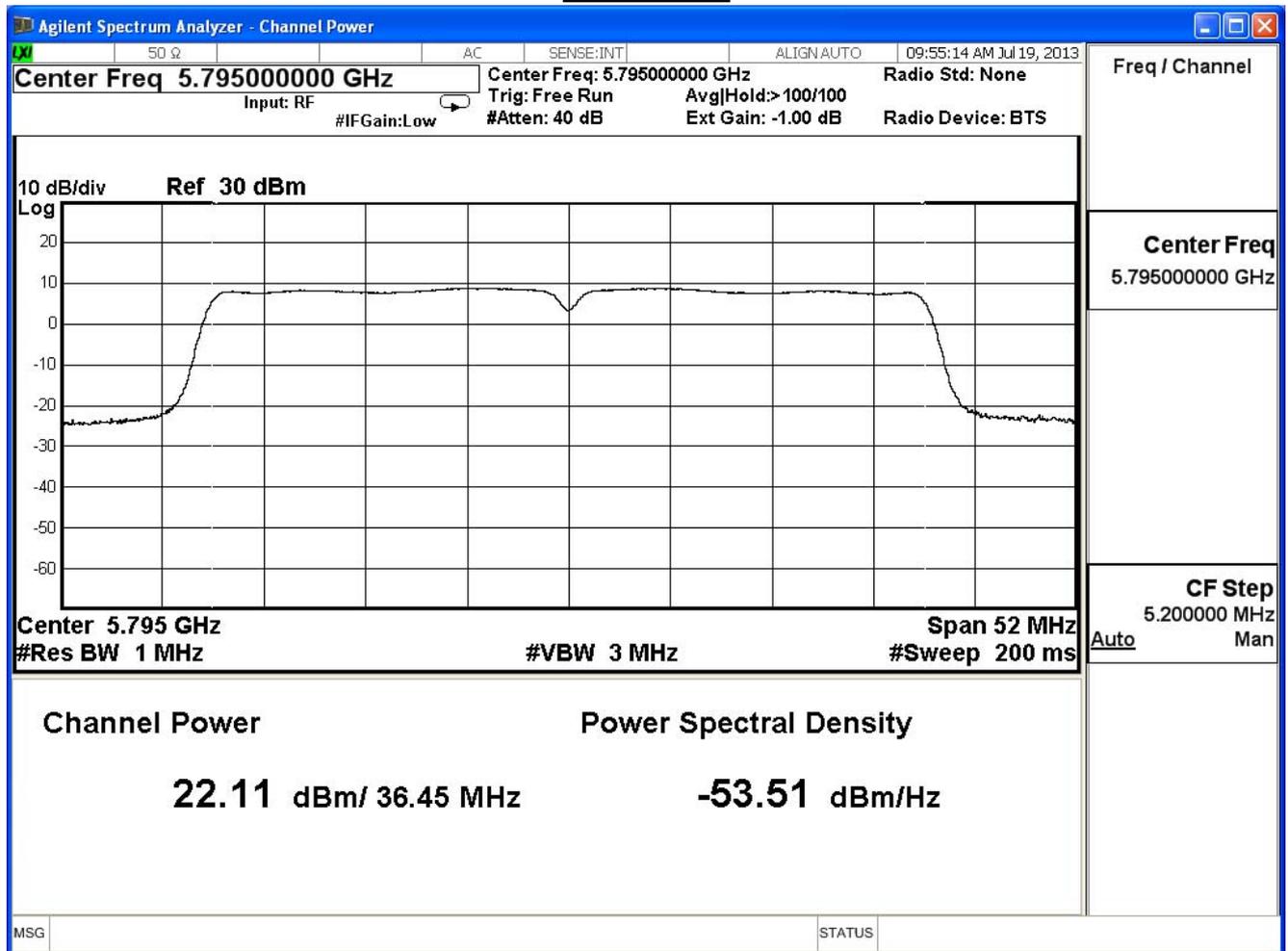
Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

Channel 151



**Channel 159**



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

IEEE802.11 n 40MHz (ANT 1) Power index : ch.151:92 , ch:159:92

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	21.86	≤27.19	Pass
159	5795	21.99	≤27.19	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	21.86	--	--	--	--	--	--	--	27.19dBm
159	5795	21.99	21.89	21.79	21.69	21.59	21.35	21.11	20.87	27.19dBm

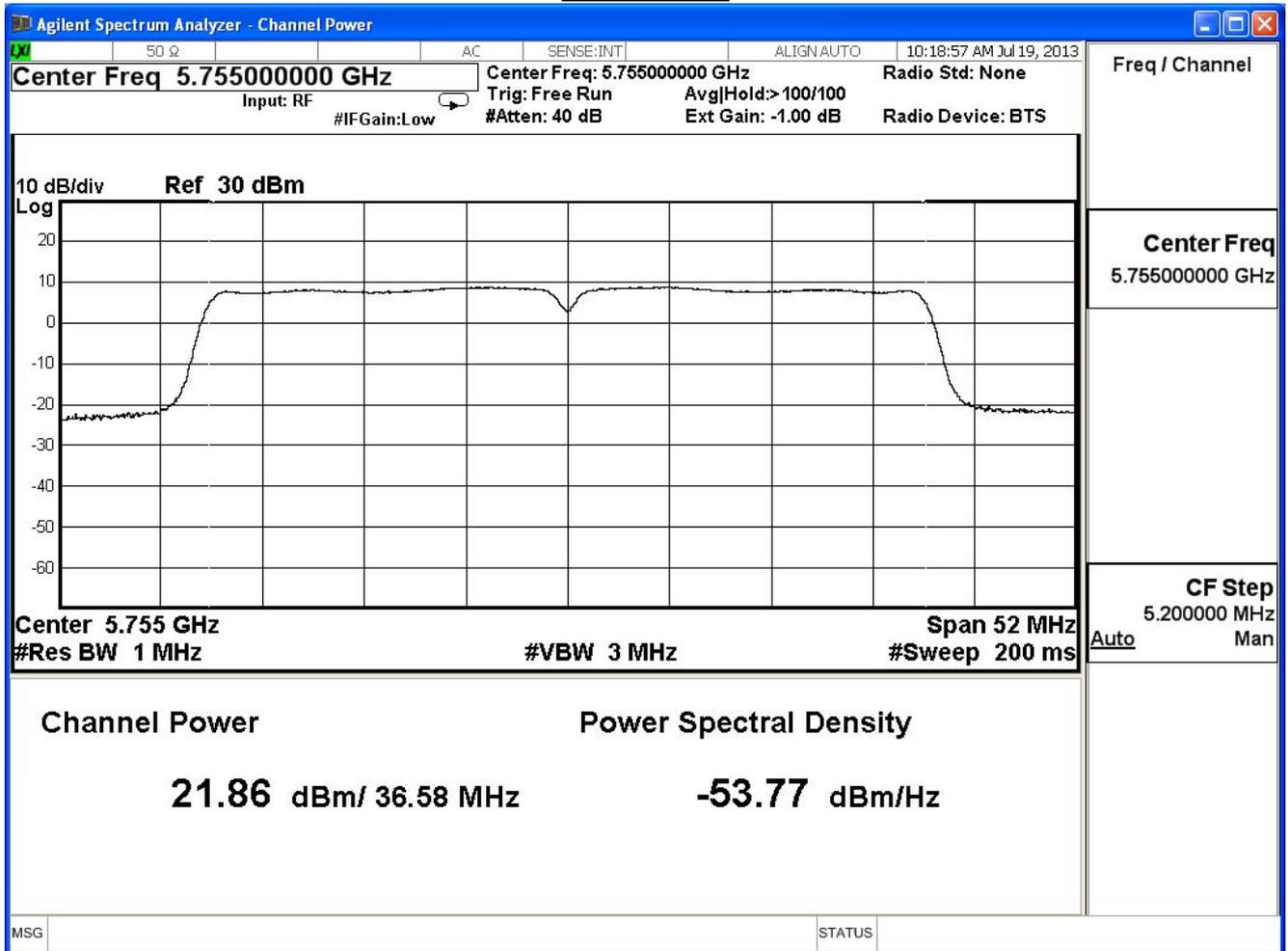
Note:

Measure Level =Reading value + cable loss

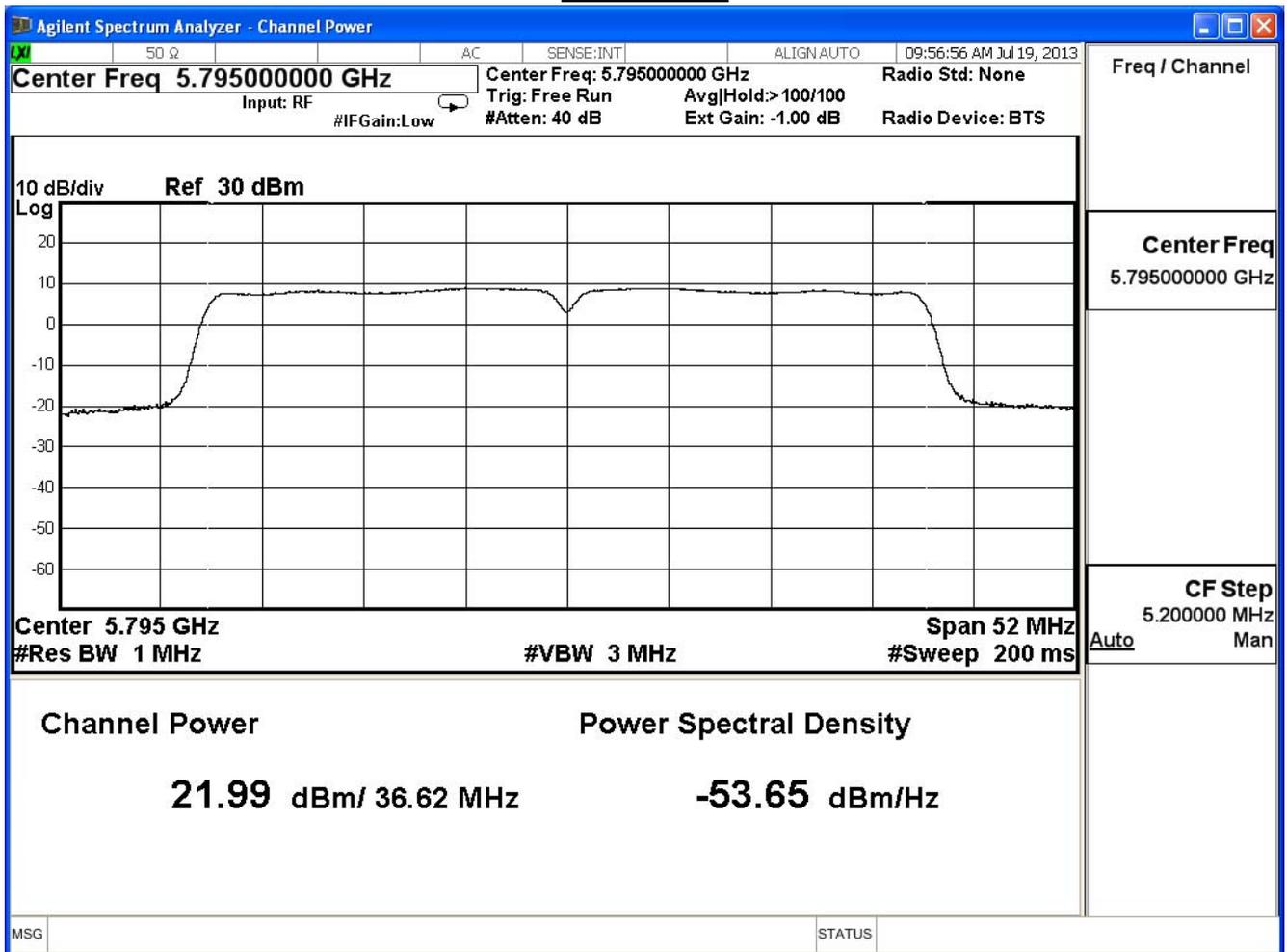
Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

Channel 151



**Channel 159**



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

IEEE802.11 n 40MHz (ANT 2) Power index : ch.151:92 , ch:159:92

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	21.71	≤27.19	Pass
159	5795	21.91	≤27.19	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	21.71	--	--	--	--	--	--	--	27.19dBm

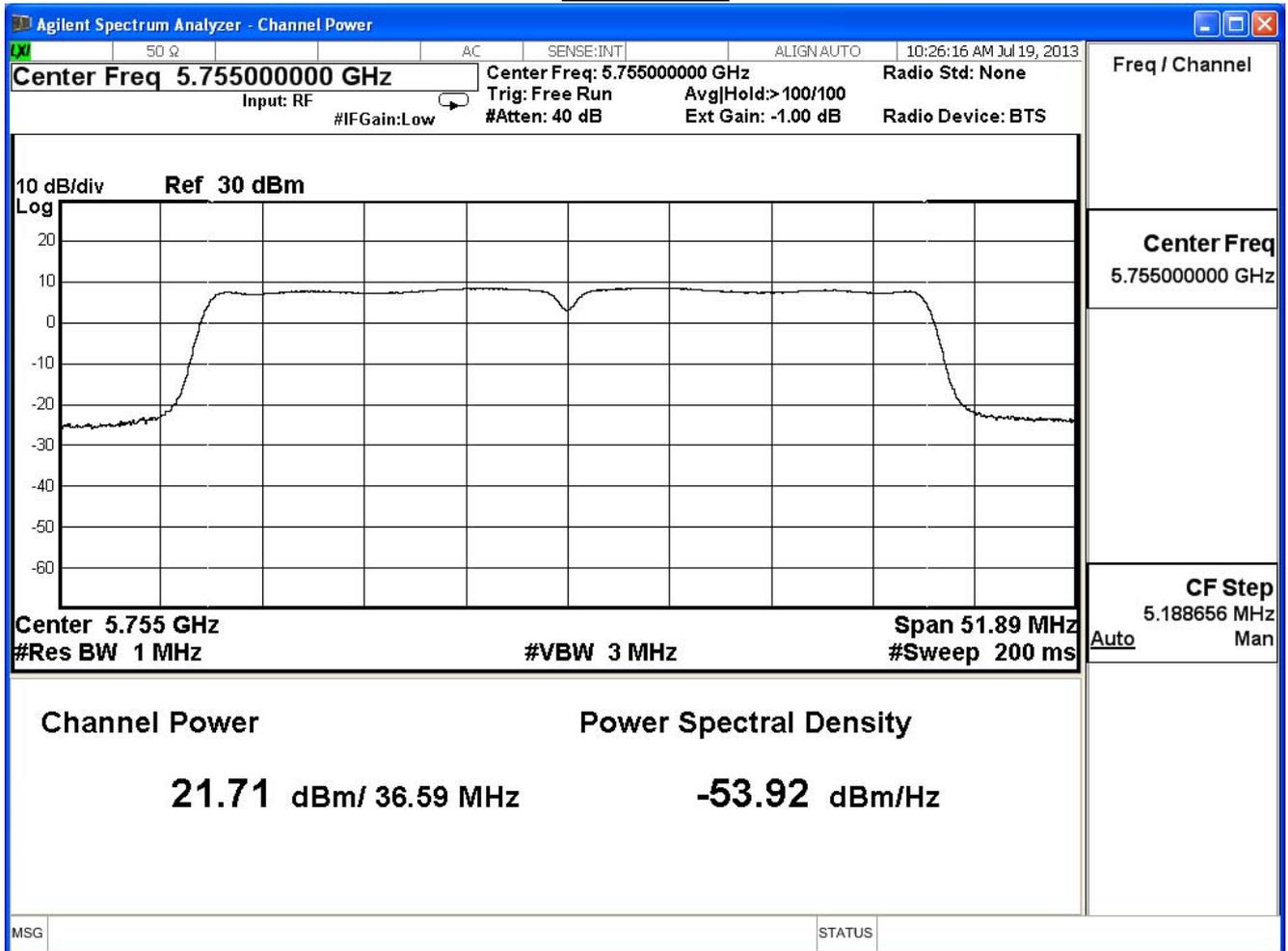
Note:

Measure Level =Reading value + cable loss

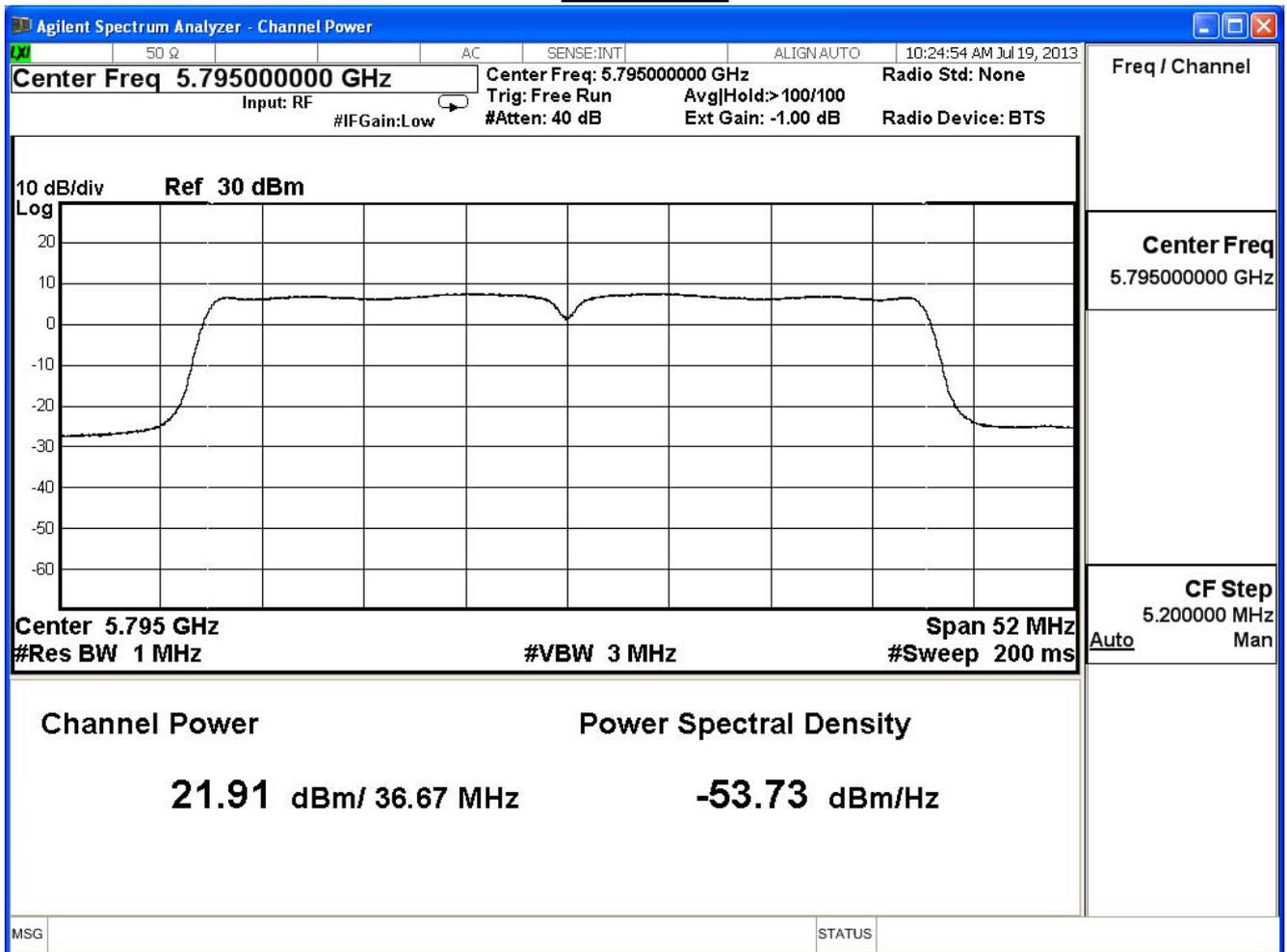
Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

## Channel 151



**Channel 159**



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

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	26.64	≤27.19	Pass
159	5795	26.78	≤27.19	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	26.64	--	--	--	--	--	--	--	27.19dBm
159	5795	26.78	26.64	26.54	26.38	26.21	26.05	25.81	25.57	27.19dBm

Note:

Measure Level =Reading value + cable loss

Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

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

IEEE802.11ac 80MHz (ANT 0) Power index : ch.155:92

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	21.68	≤27.19	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	21.48	21.28	21.08	20.98	20.88	20.76	20.52	20.40	20.28

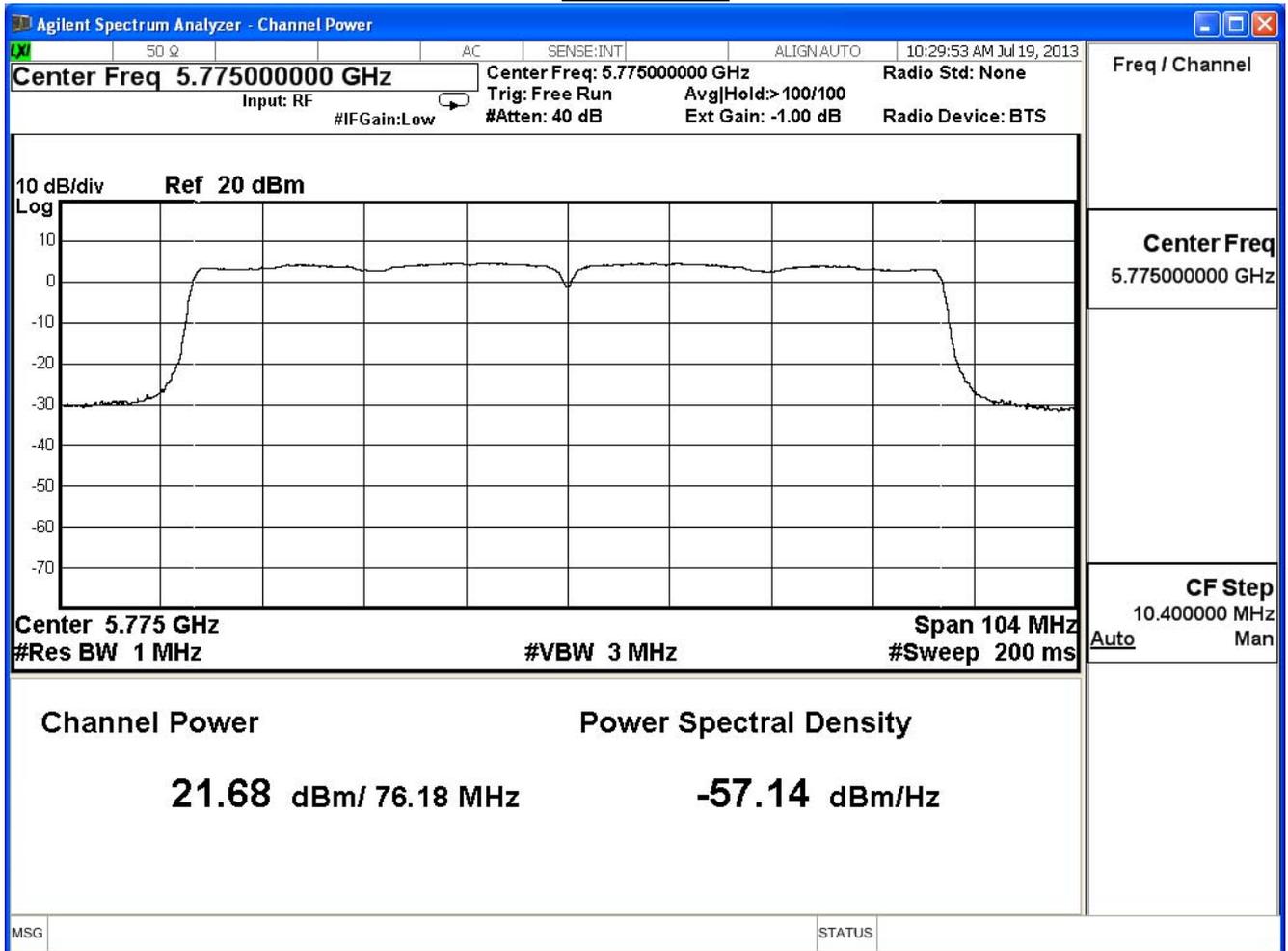
Note:

Measure Level =Reading value + cable loss

Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

Channel 155



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

IEEE802.11ac 80MHz (ANT 1) Power index : ch.155:92

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	21.62	≤27.19	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	21.62	21.52	21.42	21.32	21.22	21.02	20.90	20.66	20.42	20.18

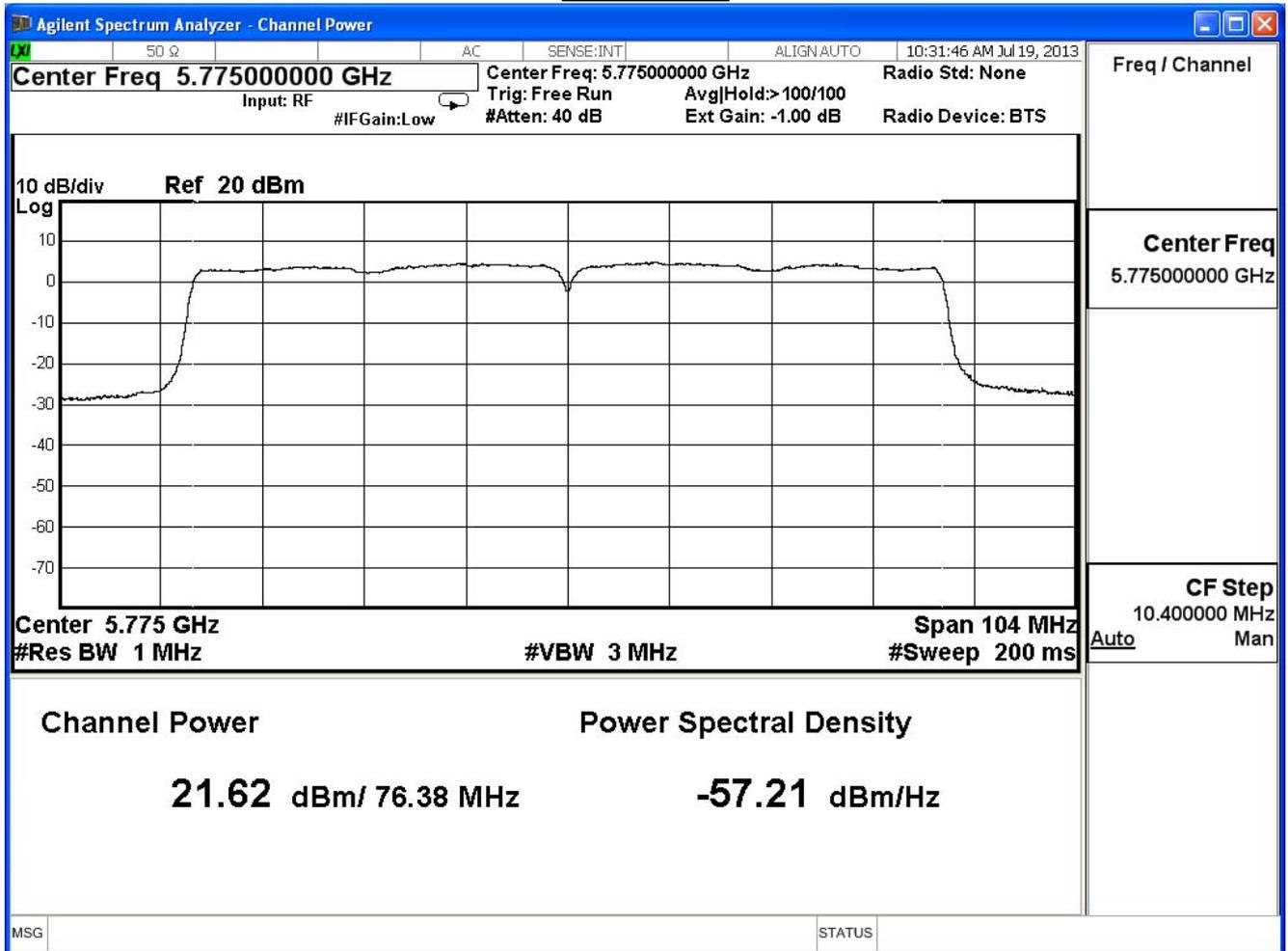
Note:

Measure Level =Reading value + cable loss

Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

Channel 155



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

IEEE802.11ac 80MHz (ANT 2) Power index : ch.155:92

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	22.19	≤27.19	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	22.19	21.99	21.79	21.59	21.49	21.39	21.27	21.03	20.79	20.67

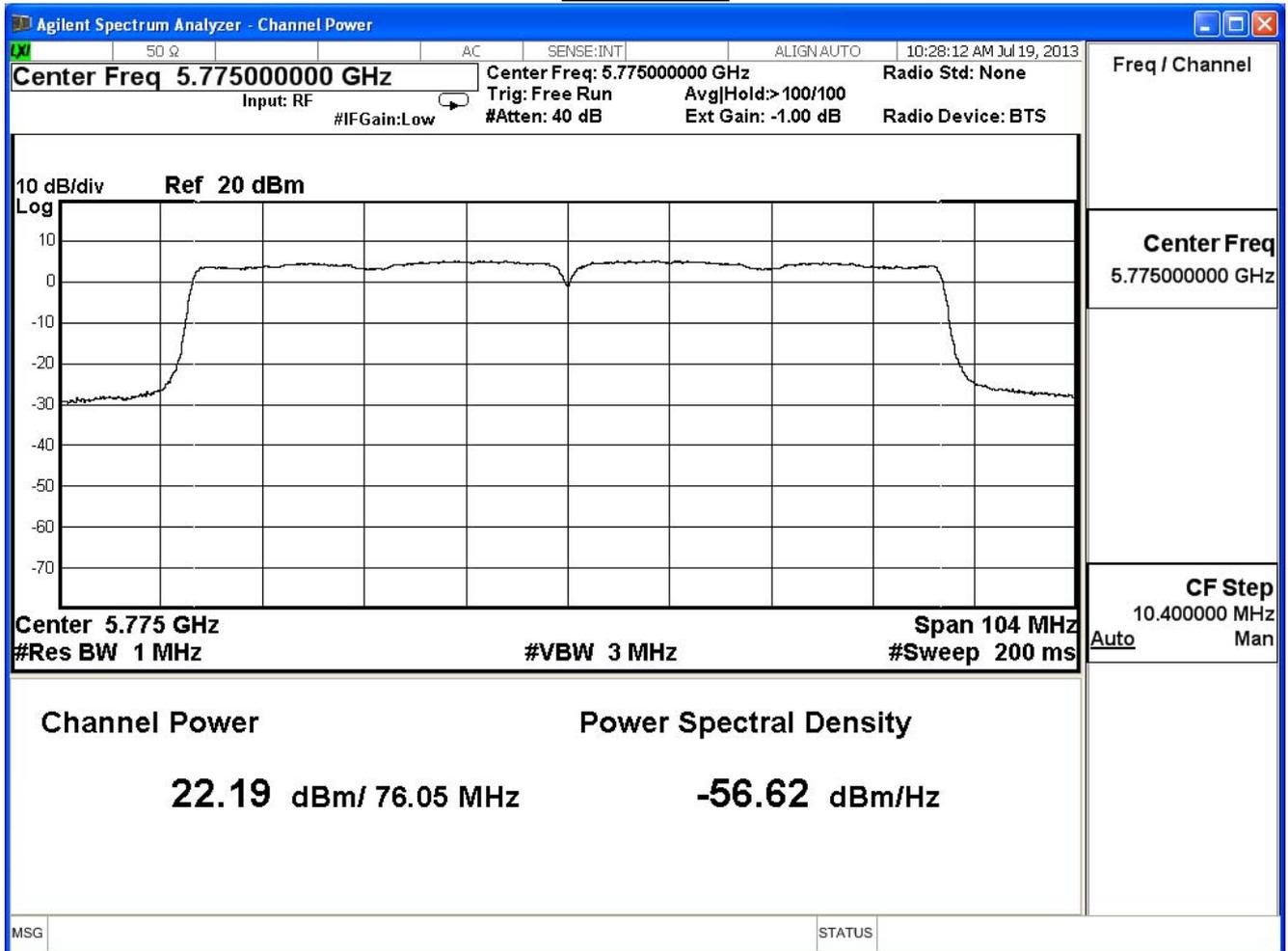
Note:

Measure Level =Reading value + cable loss

Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm

Channel 155



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

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	26.61	≤27.19	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	26.61	26.44	26.27	26.11	26.01	25.87	25.75	25.51	25.31	25.15

Note:

Measure Level =Reading value + cable loss

Directional Gain=10log(3) + Max Gain = 8.81dBi

Required Limit=30dBm-(8.81dBi-6dB)=30dBm-2.81dB=27.19dBm