

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-1.13	-16.33	≤7.28	Pass
6	2437	1.63	-13.57	≤7.28	Pass
11	2462	-1.64	-16.84	≤7.28	Pass

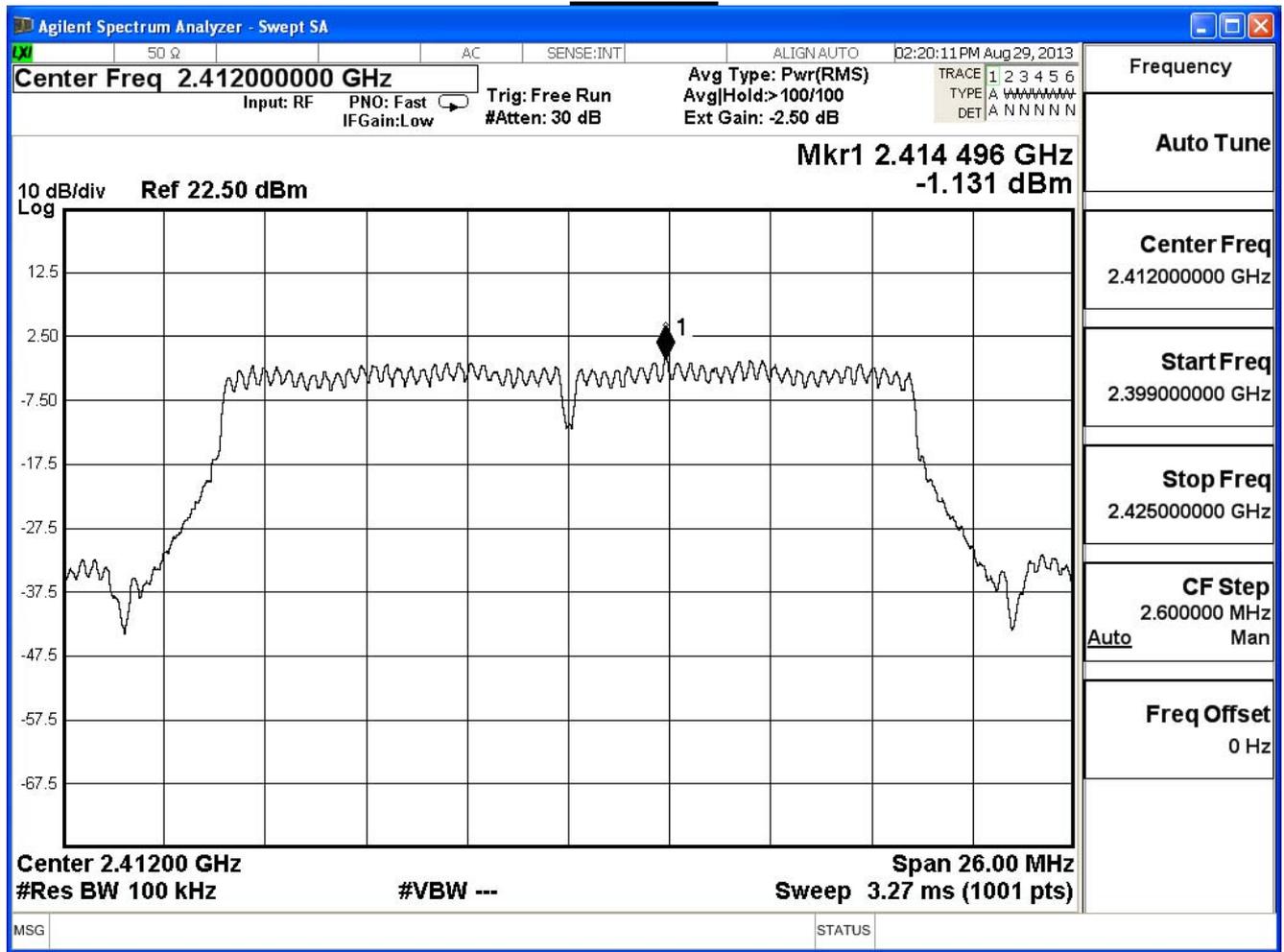
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

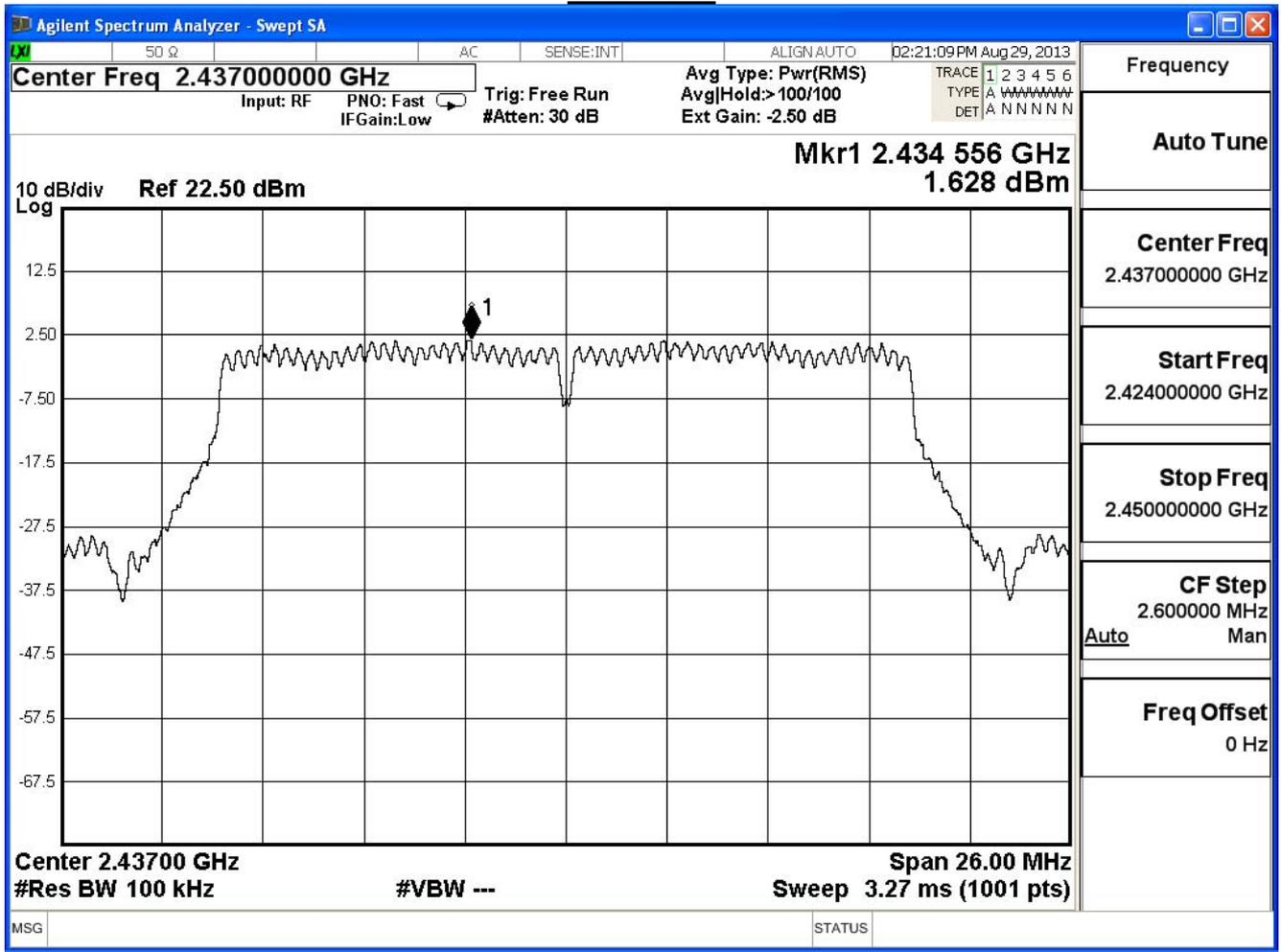
Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi

Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

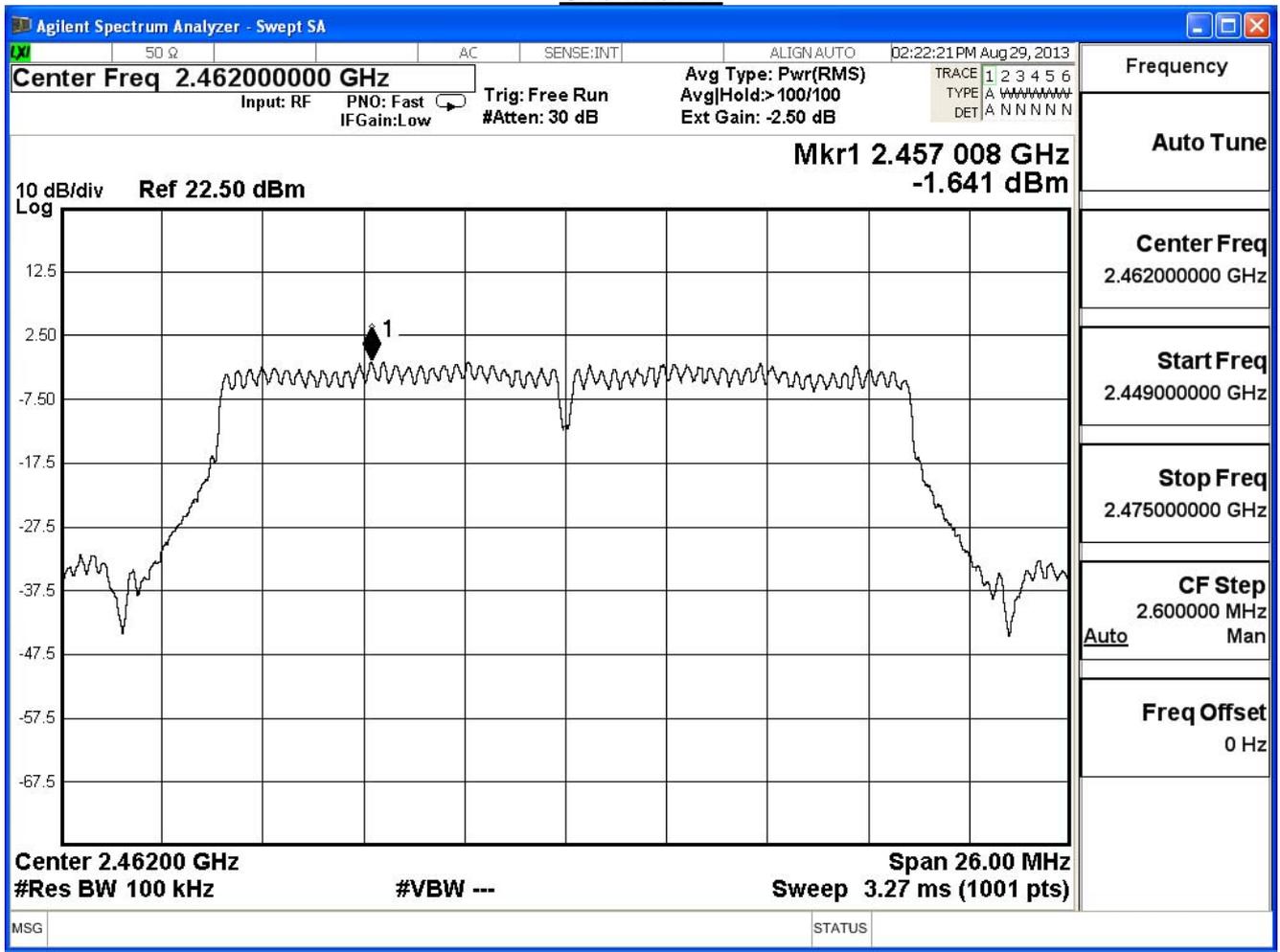
Channel 1



Channel 6



Channel 11



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-1.53	-16.73	≤7.28	Pass
6	2437	1.52	-13.68	≤7.28	Pass
11	2462	-1.69	-16.89	≤7.28	Pass

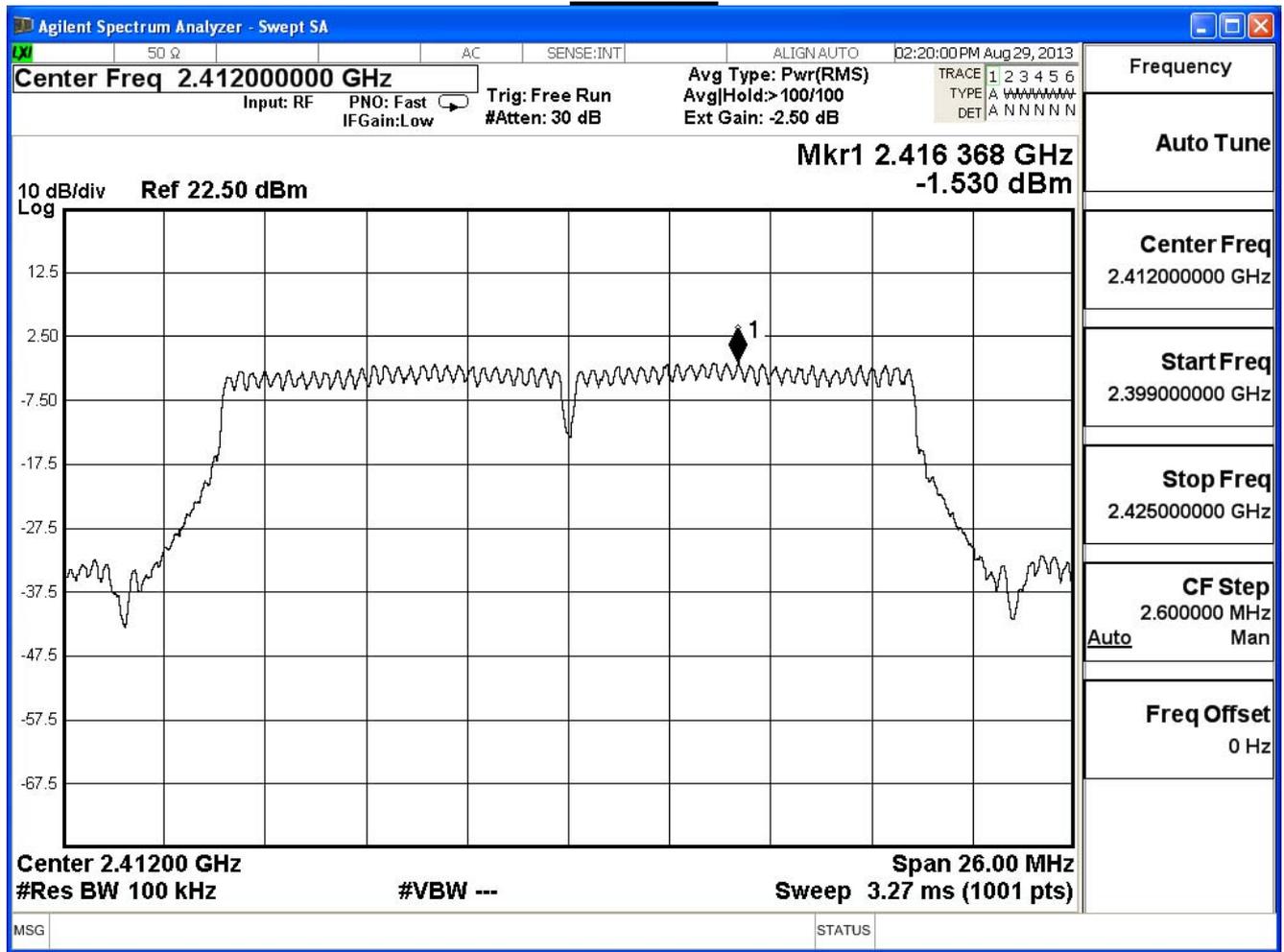
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

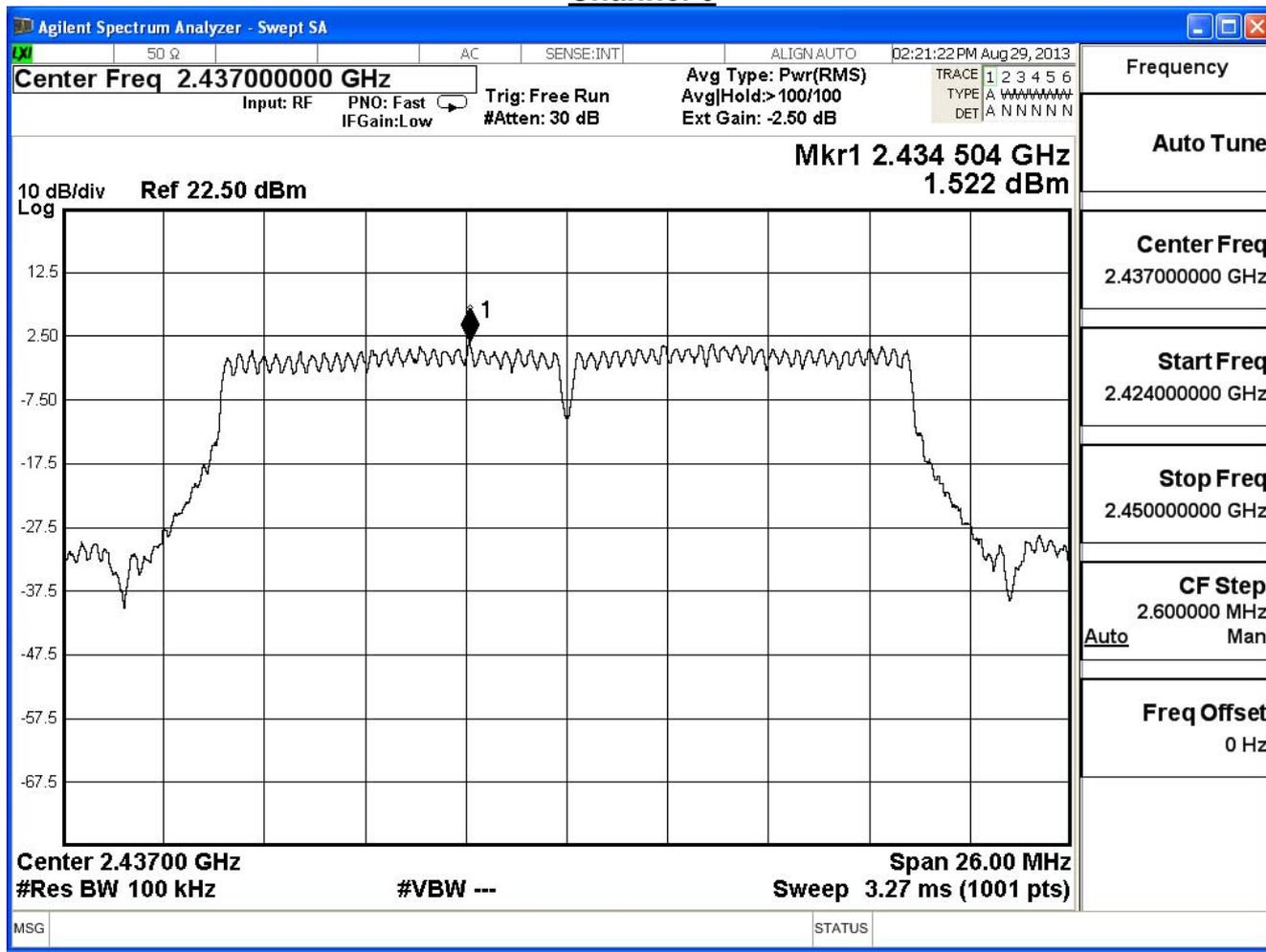
Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi

Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

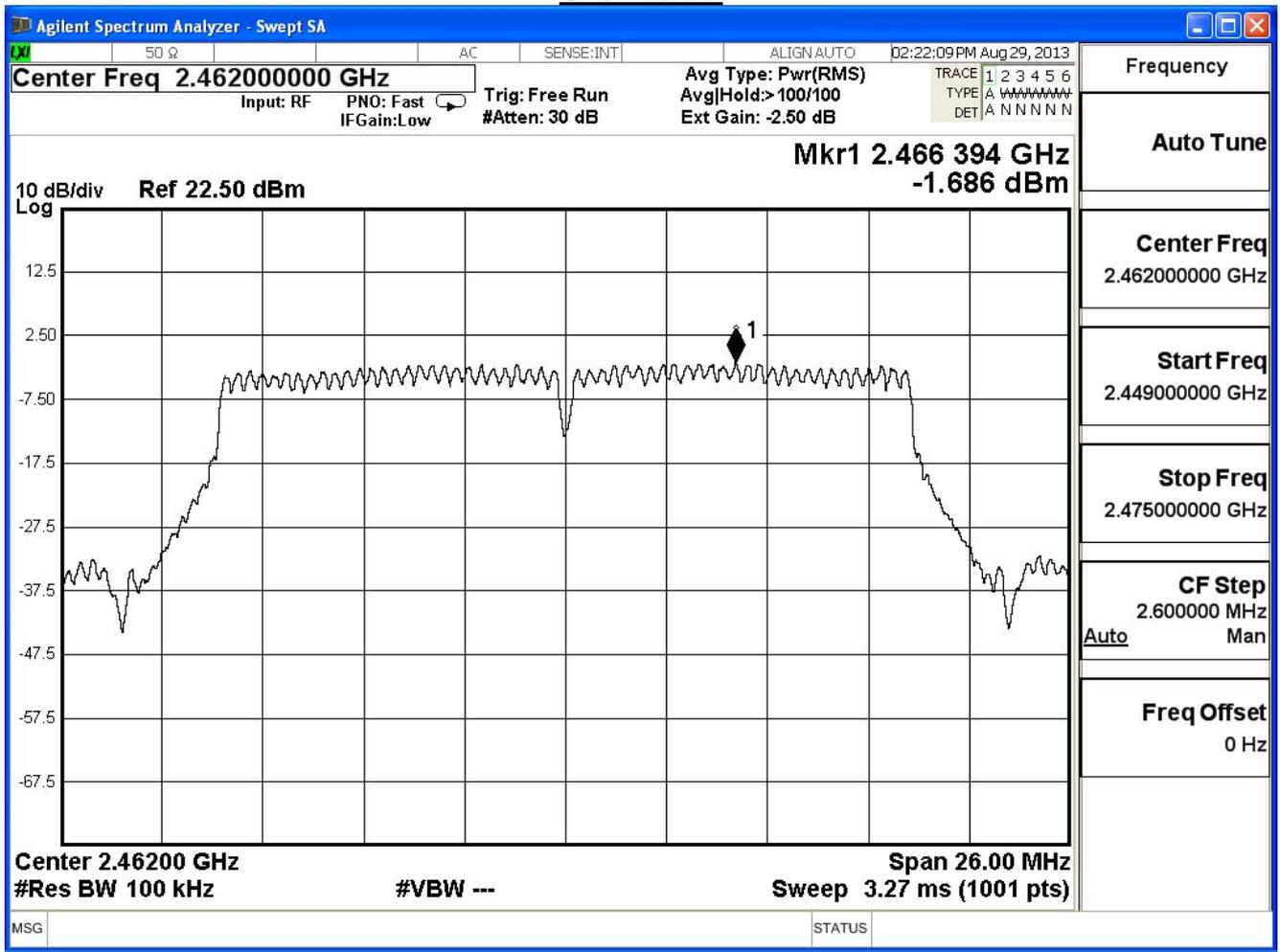
Channel 1



Channel 6



Channel 11



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-13.52	≤ 7.28	Pass
6	2437	-10.61	≤ 7.28	Pass
11	2462	-13.85	≤ 7.28	Pass

Note:

Total Gain = $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(2) + 3.71\text{dBi} = 6.72\text{dBi}$

Limit = $8\text{dBm} - (6.72\text{dBi} - 6\text{dB}) = 7.28\text{dBm}$

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Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-4.58	-19.78	≤ 7.28	Pass
6	2437	-5.61	-20.81	≤ 7.28	Pass
9	2452	-9.83	-25.03	≤ 7.28	Pass

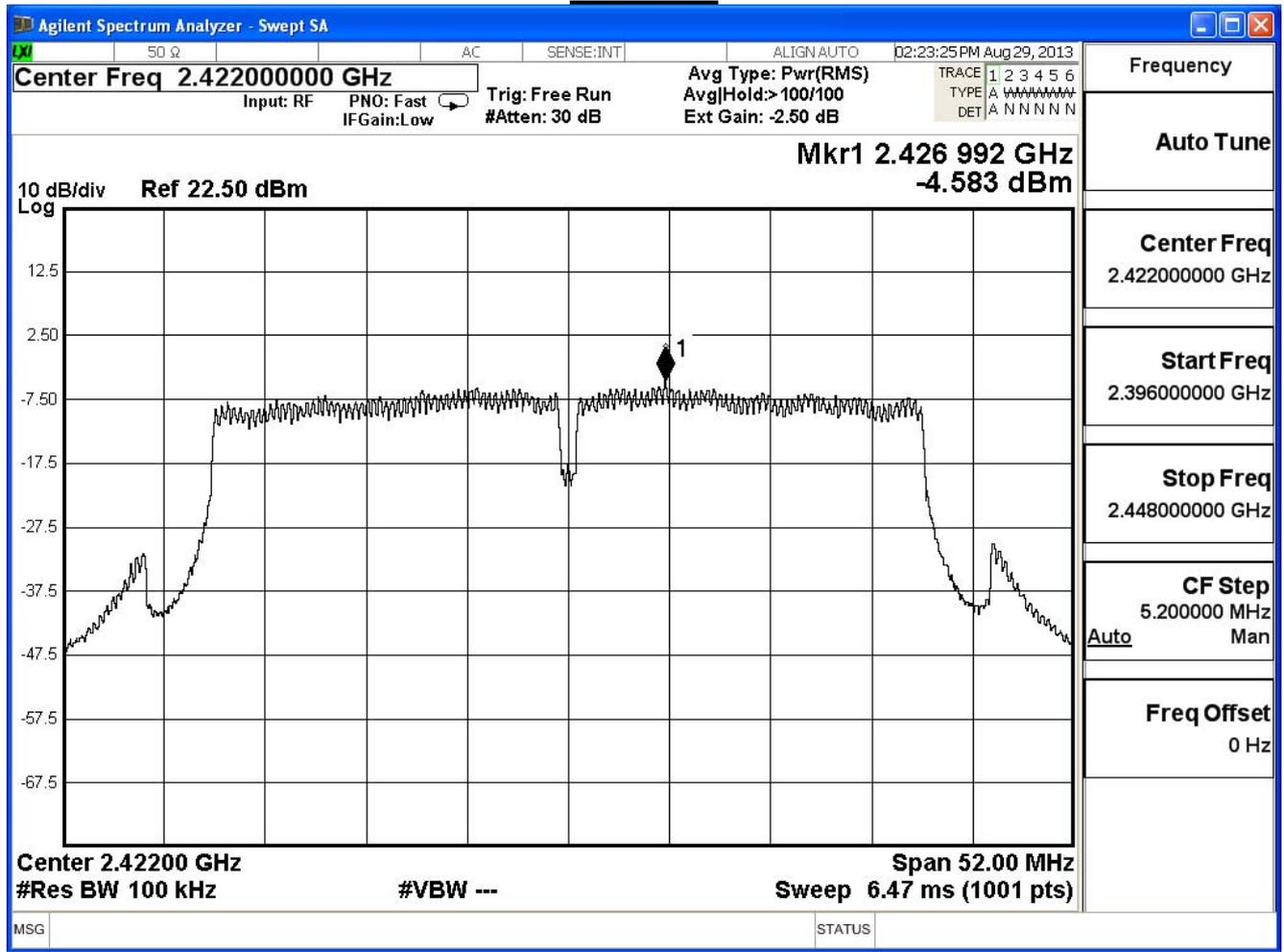
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

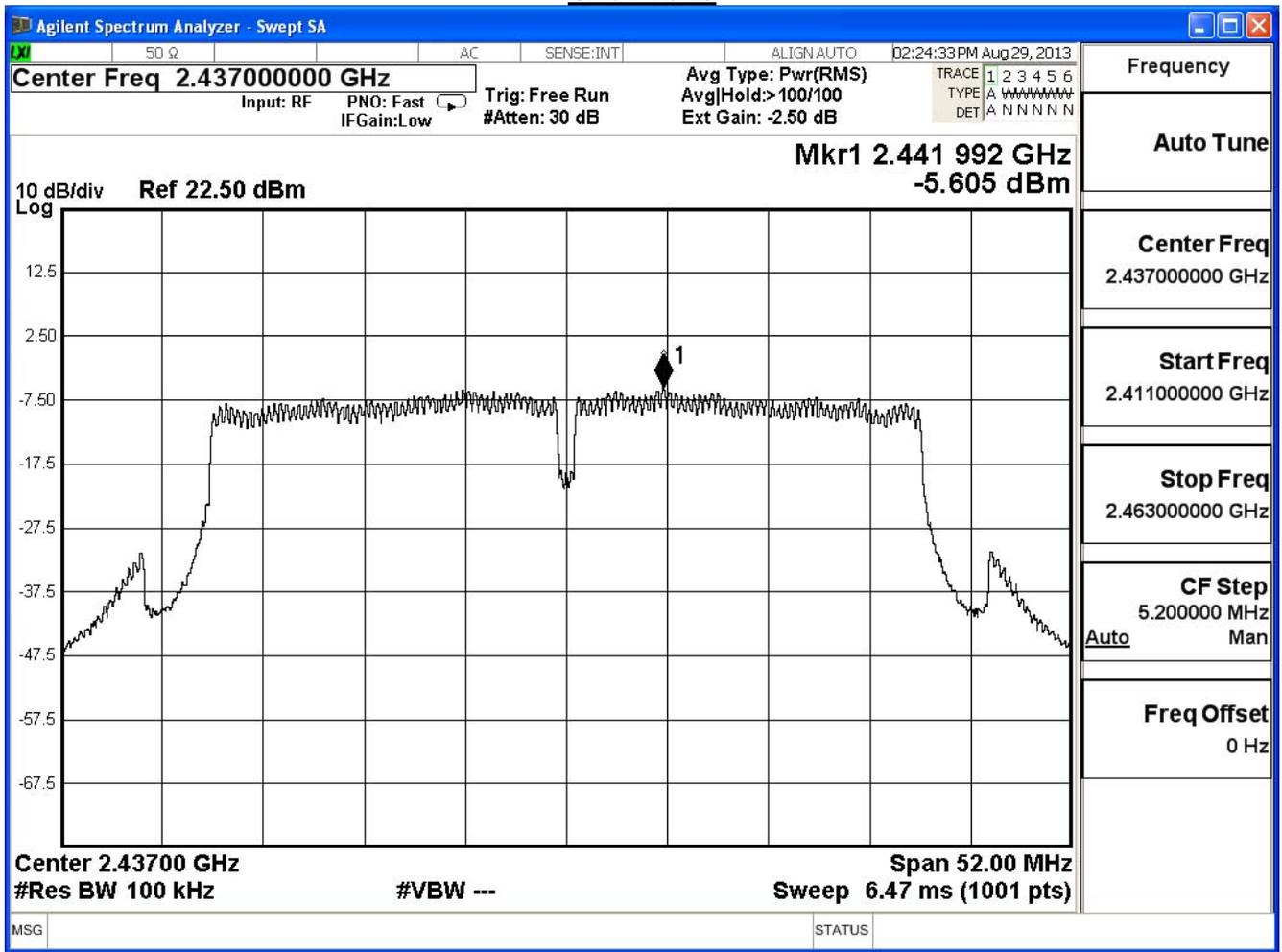
Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi

Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

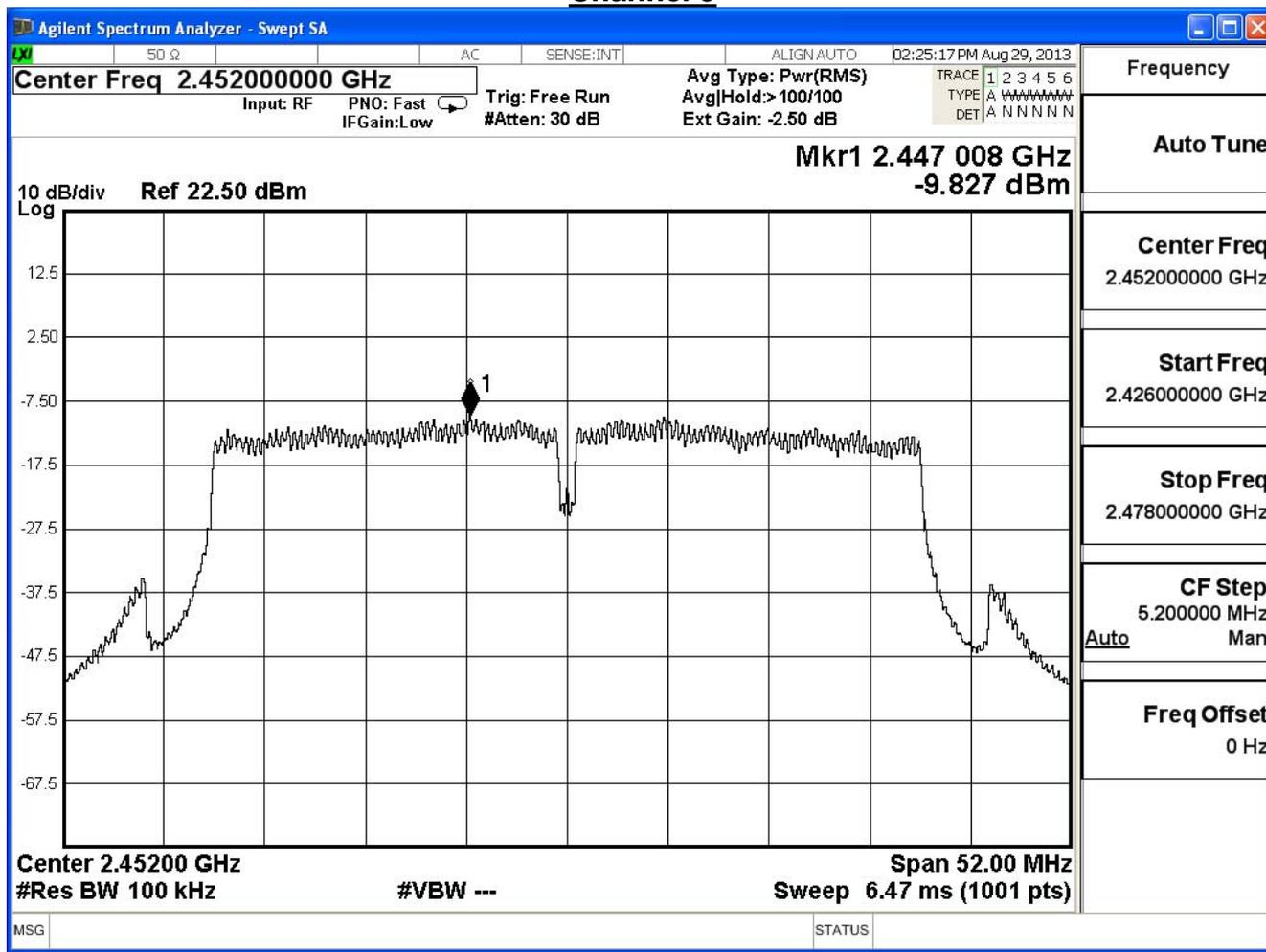
Channel 3



Channel 6



Channel 9



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-5.61	-20.81	≤ 7.28	Pass
6	2437	-5.69	-20.89	≤ 7.28	Pass
9	2452	-8.47	-23.67	≤ 7.28	Pass

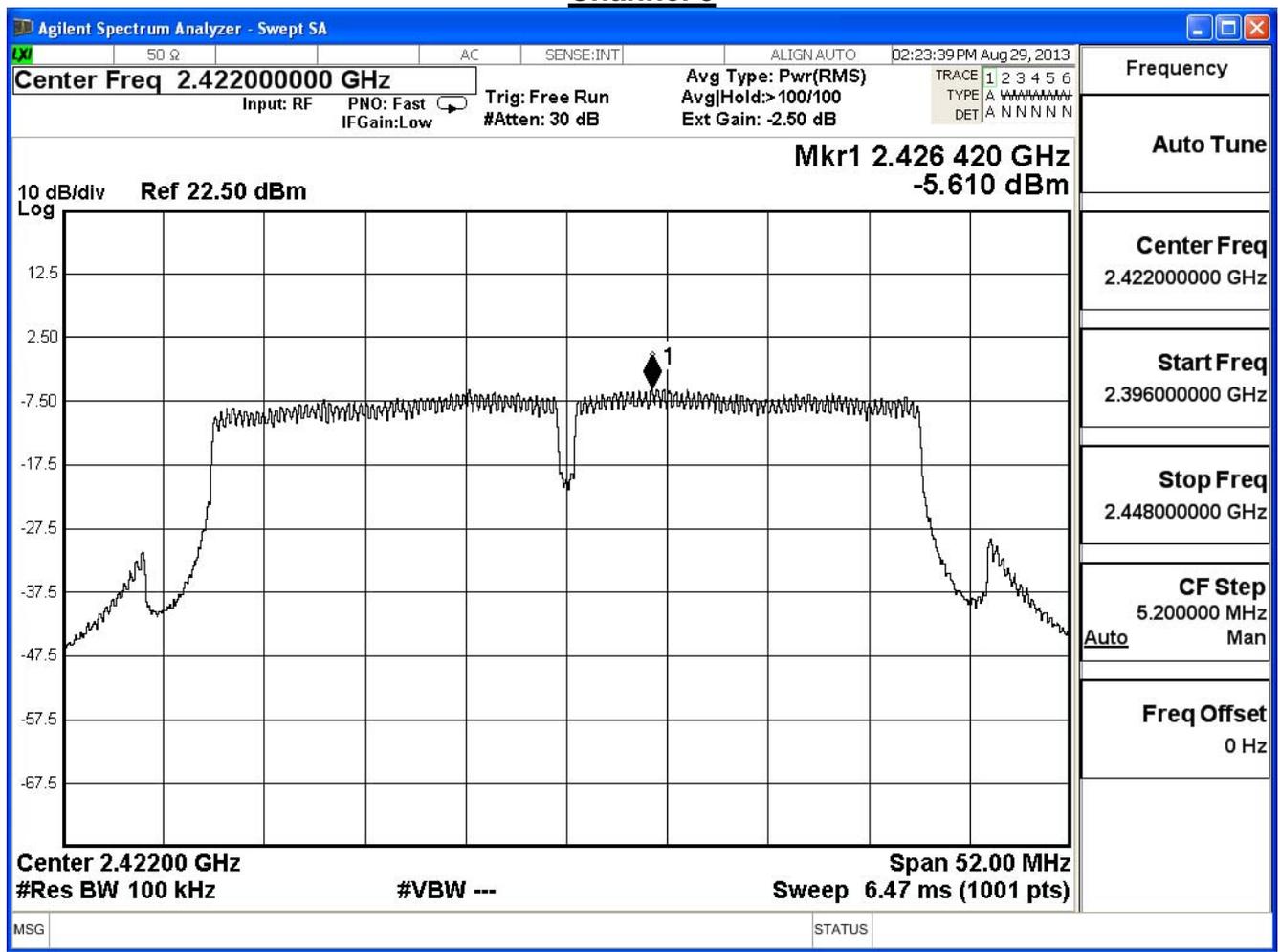
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

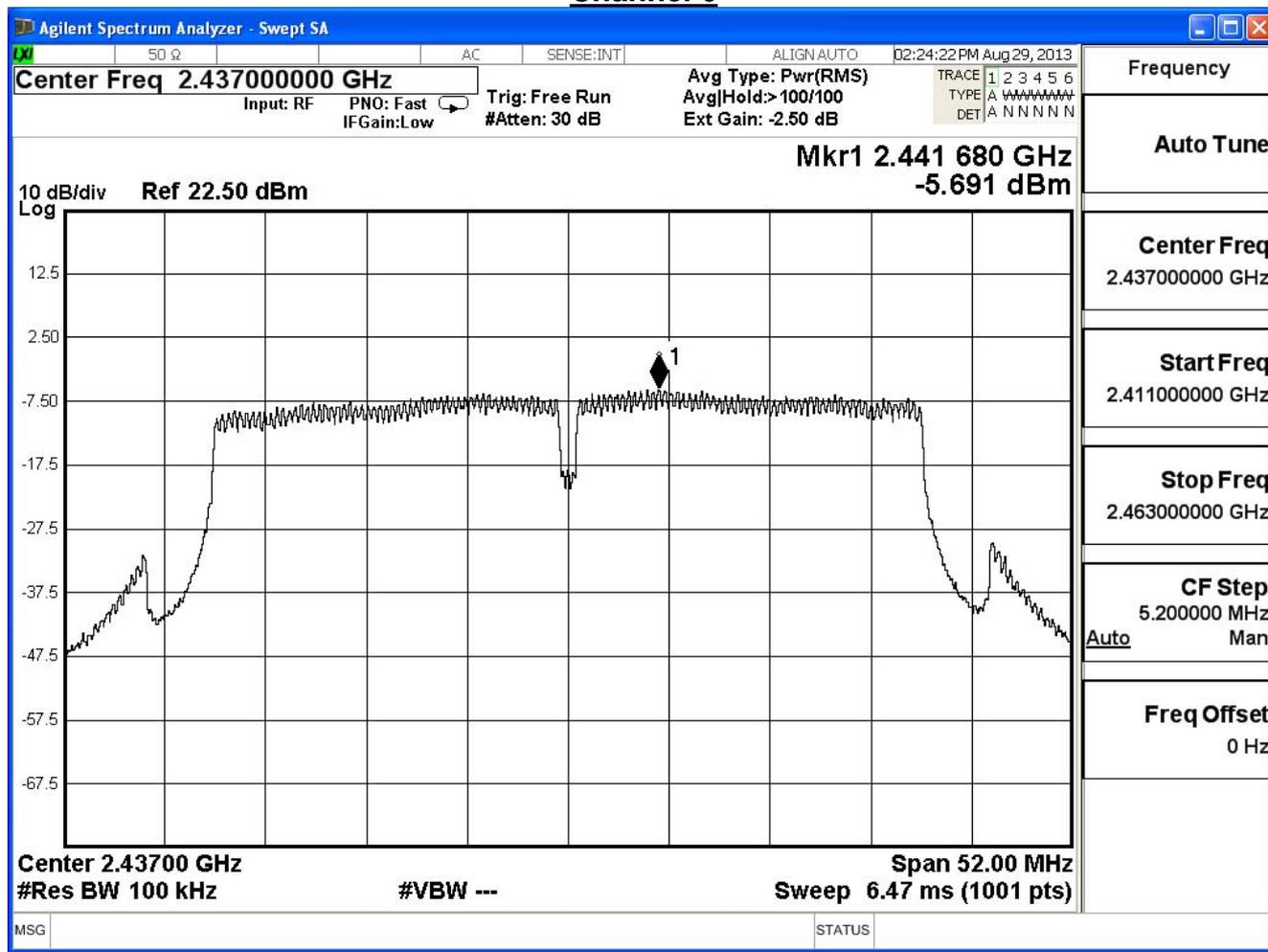
Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi

Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

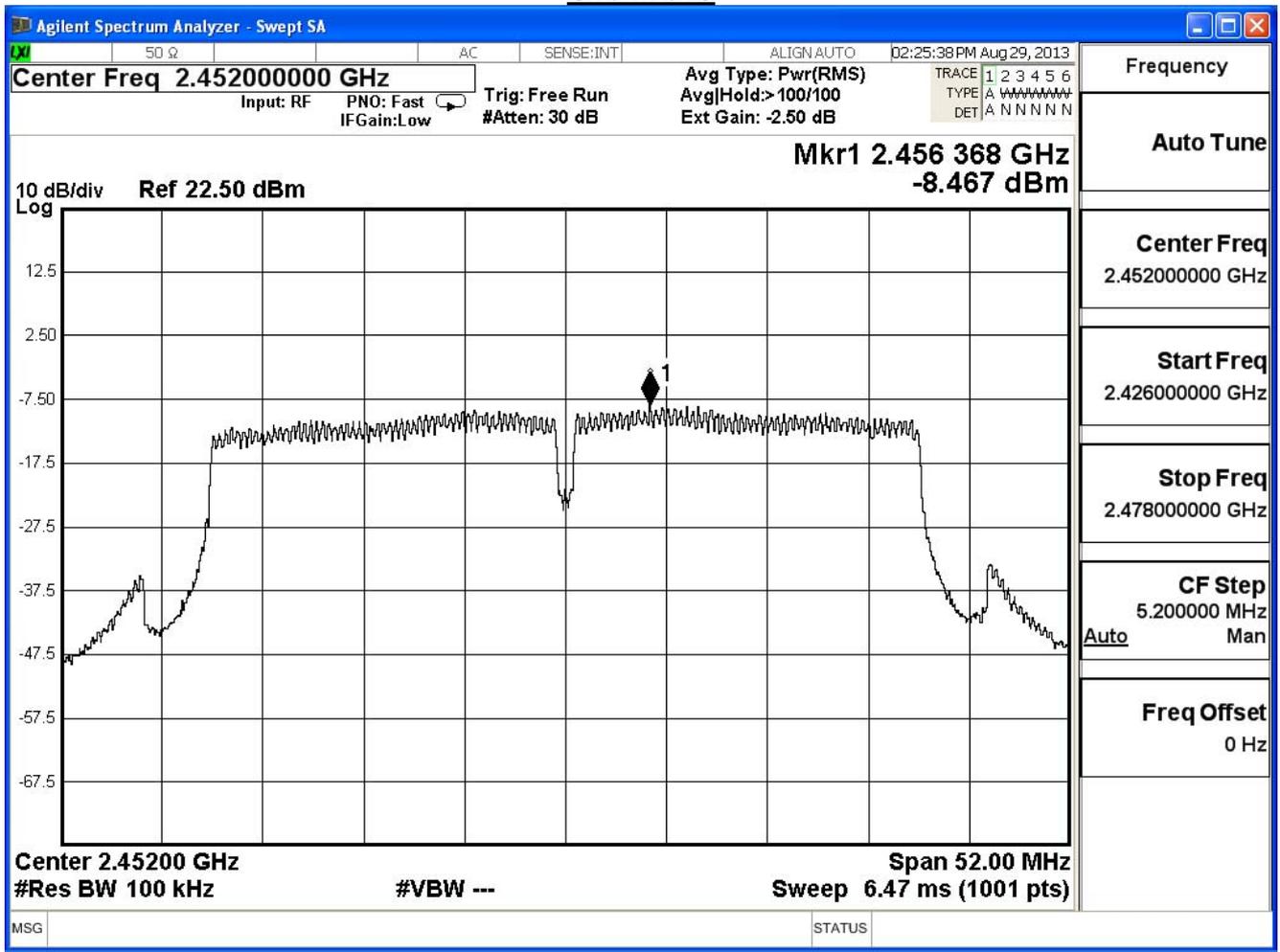
Channel 3



Channel 6



Channel 9



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-17.26	≤7.28	Pass
6	2437	-17.84	≤7.28	Pass
9	2452	-21.28	≤7.28	Pass

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi

Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11a(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	3.84	-11.36	≤ 7.20	Pass
157	5785	4.23	-10.97	≤ 7.20	Pass
165	5825	4.16	-11.04	≤ 7.20	Pass

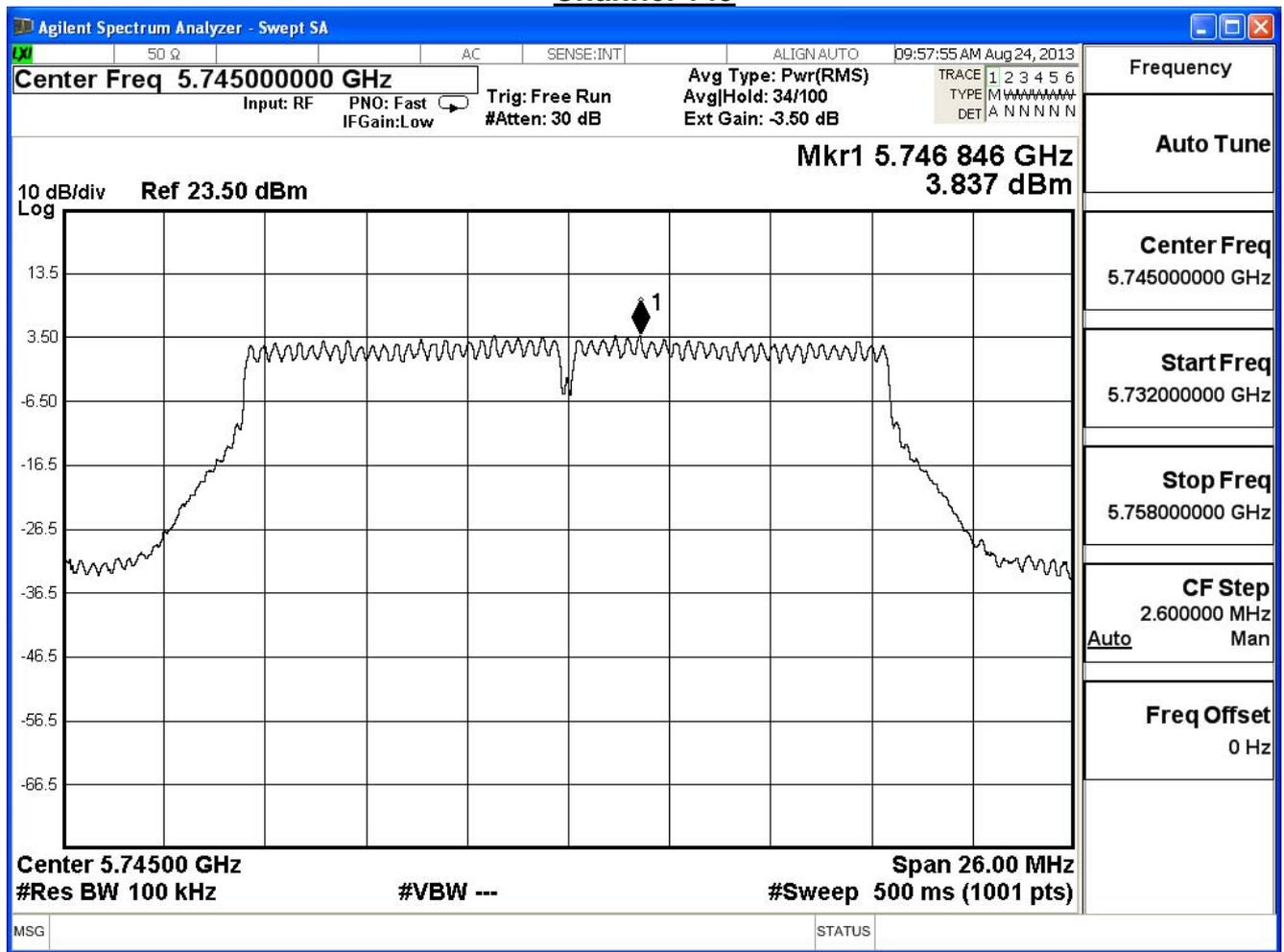
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 149



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11a(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	4.17	-11.03	≤ 7.20	Pass
157	5785	4.52	-10.68	≤ 7.20	Pass
165	5825	4.66	-10.54	≤ 7.20	Pass

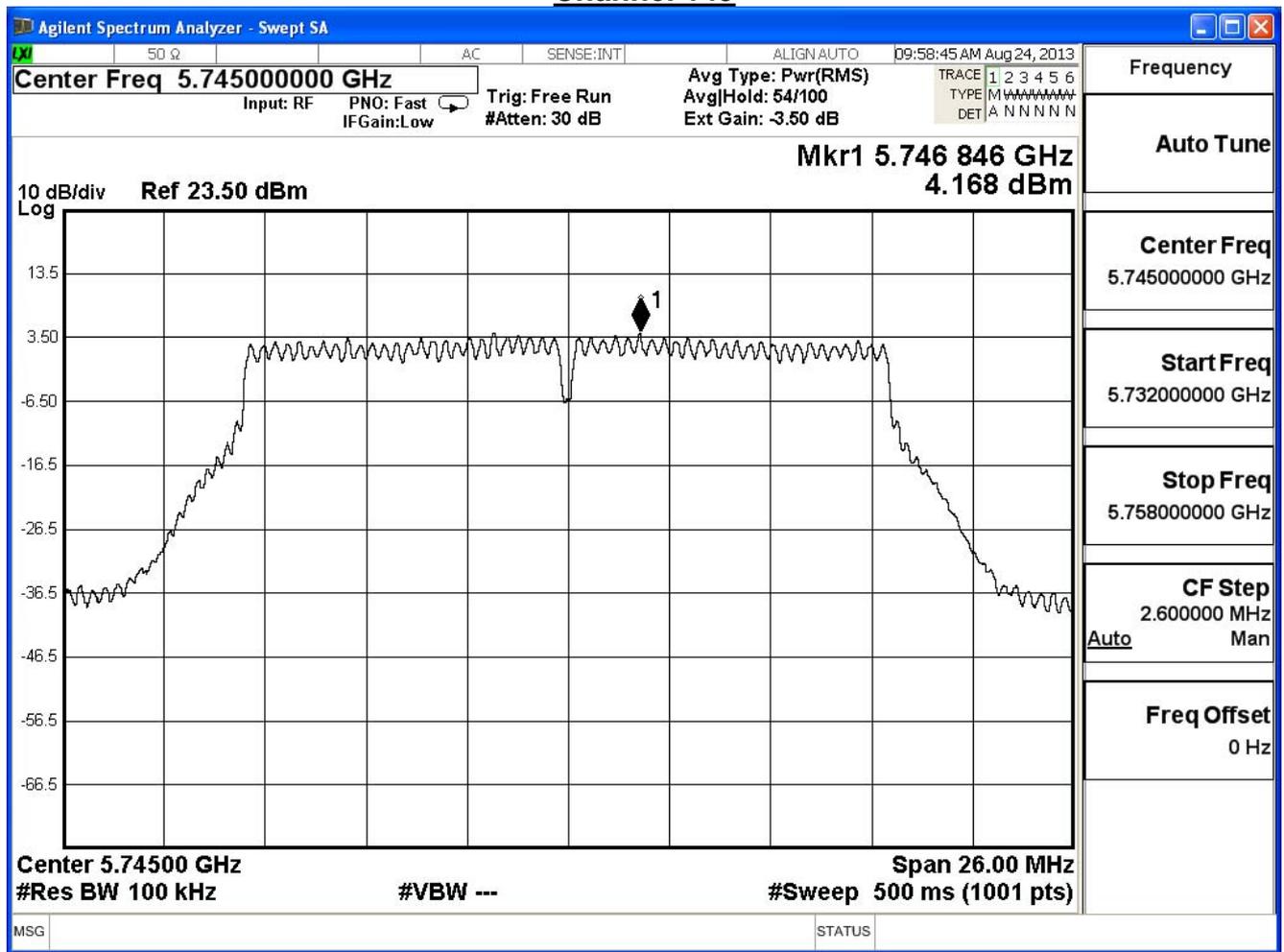
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 149



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11a(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	-8.18	≤7.20	Pass
157	5785	-7.81	≤7.20	Pass
165	5825	-7.77	≤7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

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IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	3.58	-11.62	≤ 7.20	Pass
157	5785	4.20	-11.01	≤ 7.20	Pass
165	5825	4.07	-11.13	≤ 7.20	Pass

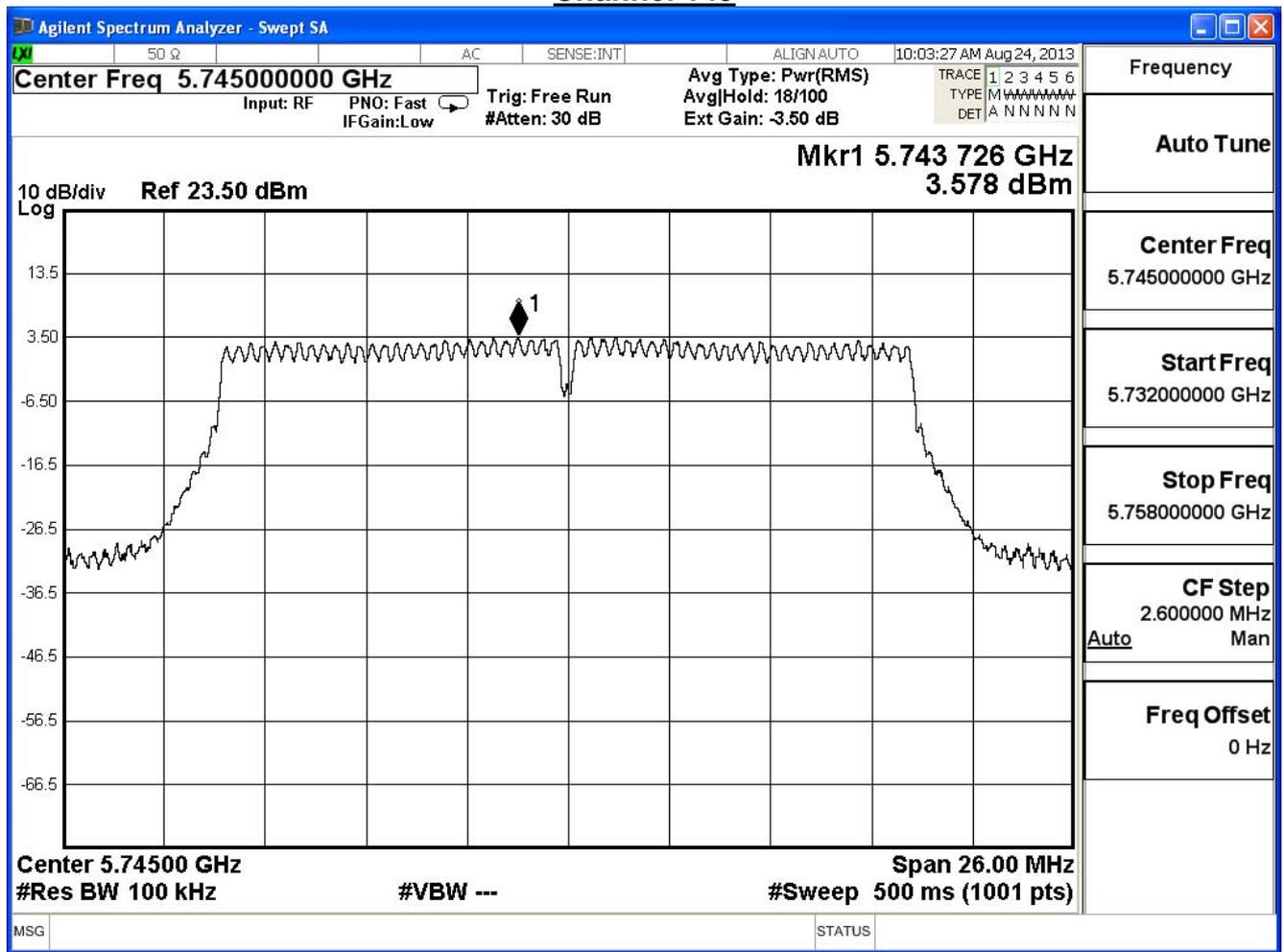
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 149



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	4.01	-11.20	≤7.20	Pass
157	5785	4.06	-11.14	≤7.20	Pass
165	5825	3.95	-11.25	≤7.20	Pass

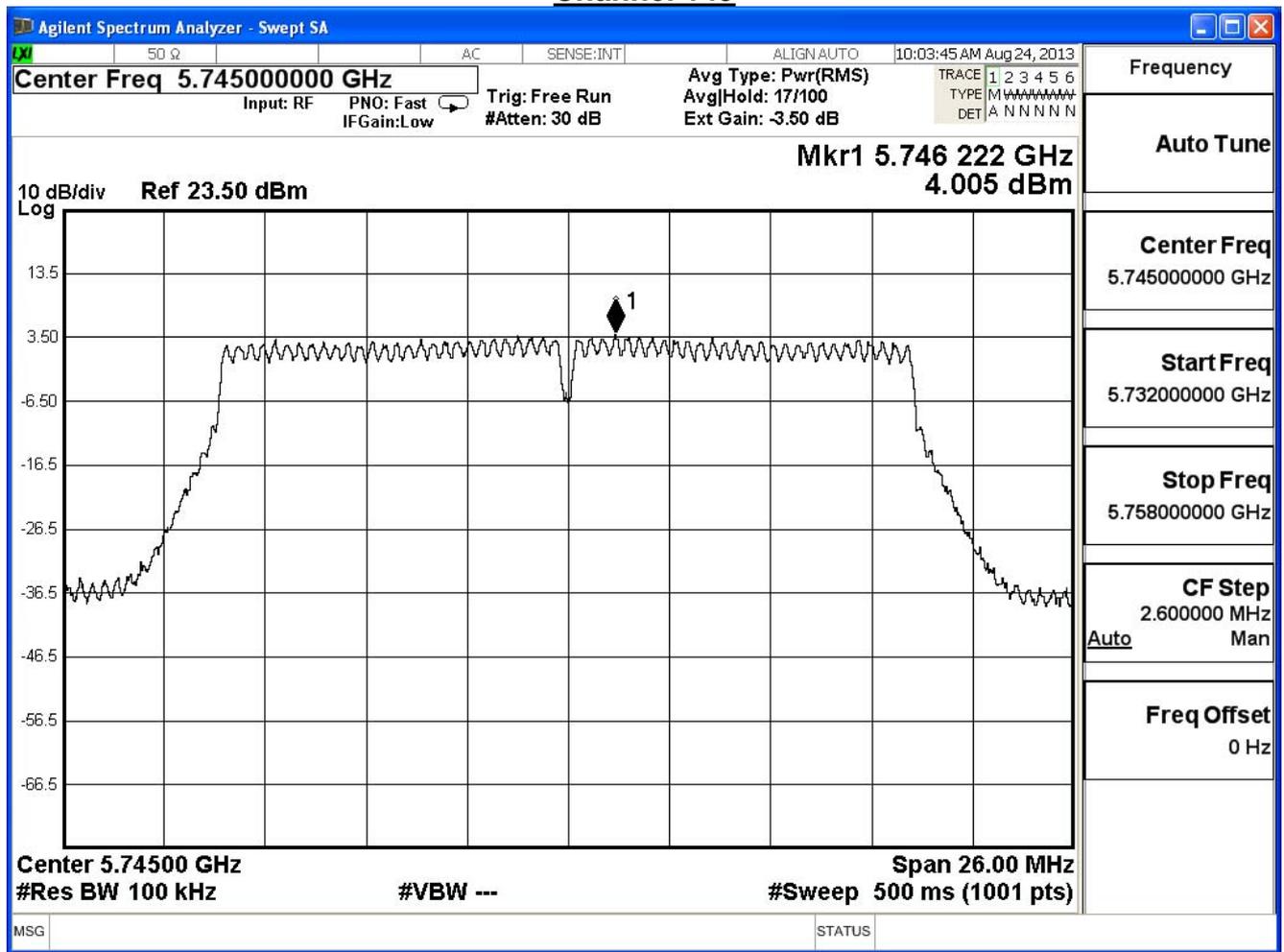
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 149



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-8.39	≤ 7.20	Pass
157	5785	-8.06	≤ 7.20	Pass
165	5825	-8.18	≤ 7.20	Pass

Note:

Total Gain = $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(2) + 3.79\text{dBi} = 6.80\text{dBi}$

Limit = $8\text{dBm} - (6.80\text{dBi} - 6\text{dB}) = 7.20\text{dBm}$

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	0.56	-14.64	≤7.20	Pass
159	5795	1.32	-13.88	≤7.20	Pass

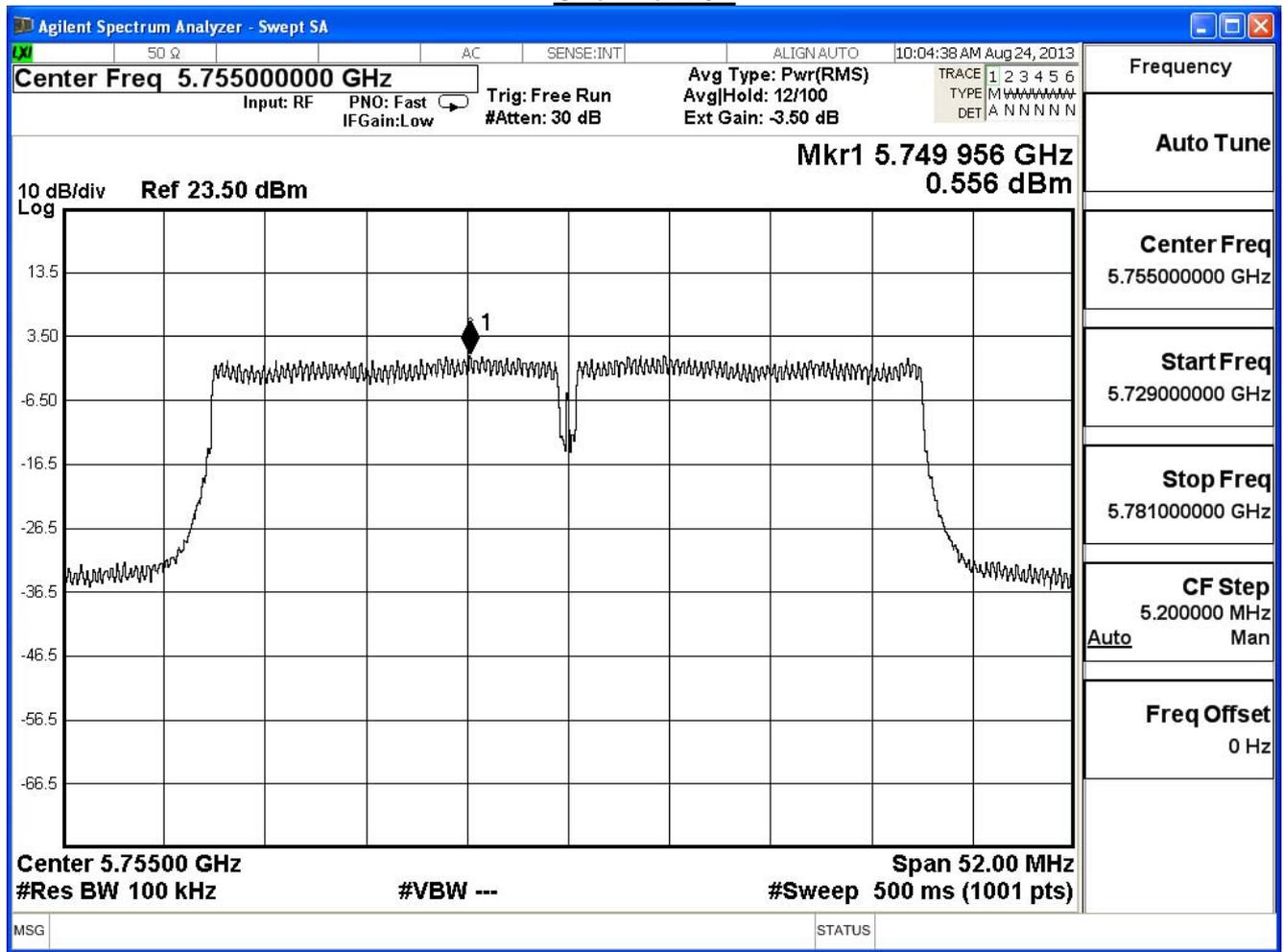
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 151



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	1.81	-13.29	≤ 7.20	Pass
159	5795	1.38	-13.82	≤ 7.20	Pass

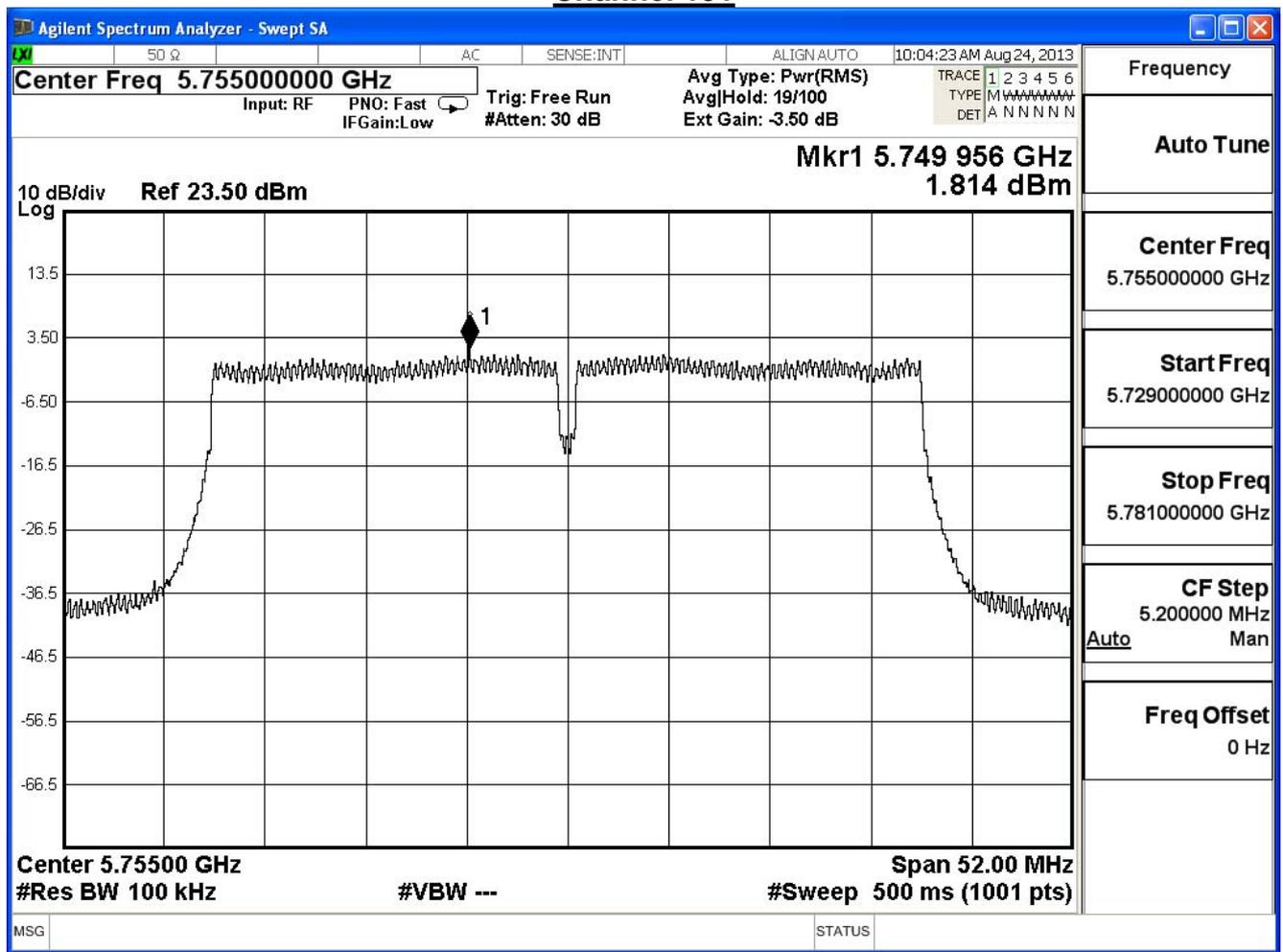
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 151



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-10.90	≤ 7.20	Pass
159	5795	-10.84	≤ 7.20	Pass

Note:

Total Gain = $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(2) + 3.79\text{dBi} = 6.80\text{dBi}$

Limit = $8\text{dBm} - (6.80\text{dBi} - 6\text{dB}) = 7.20\text{dBm}$

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	-2.77	-17.97	≤7.20	Pass

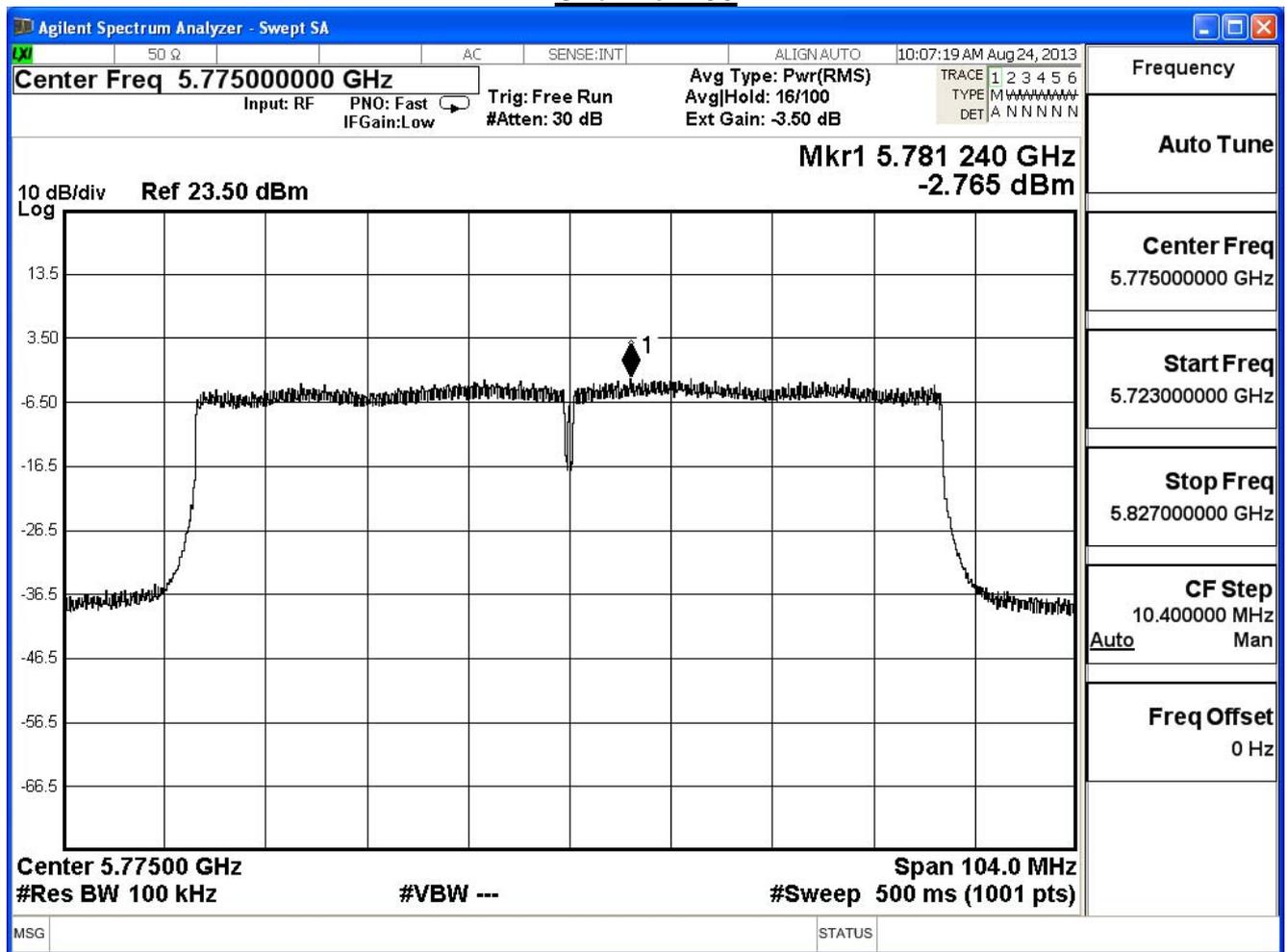
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 155



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	-2.24	-17.44	≤7.20	Pass

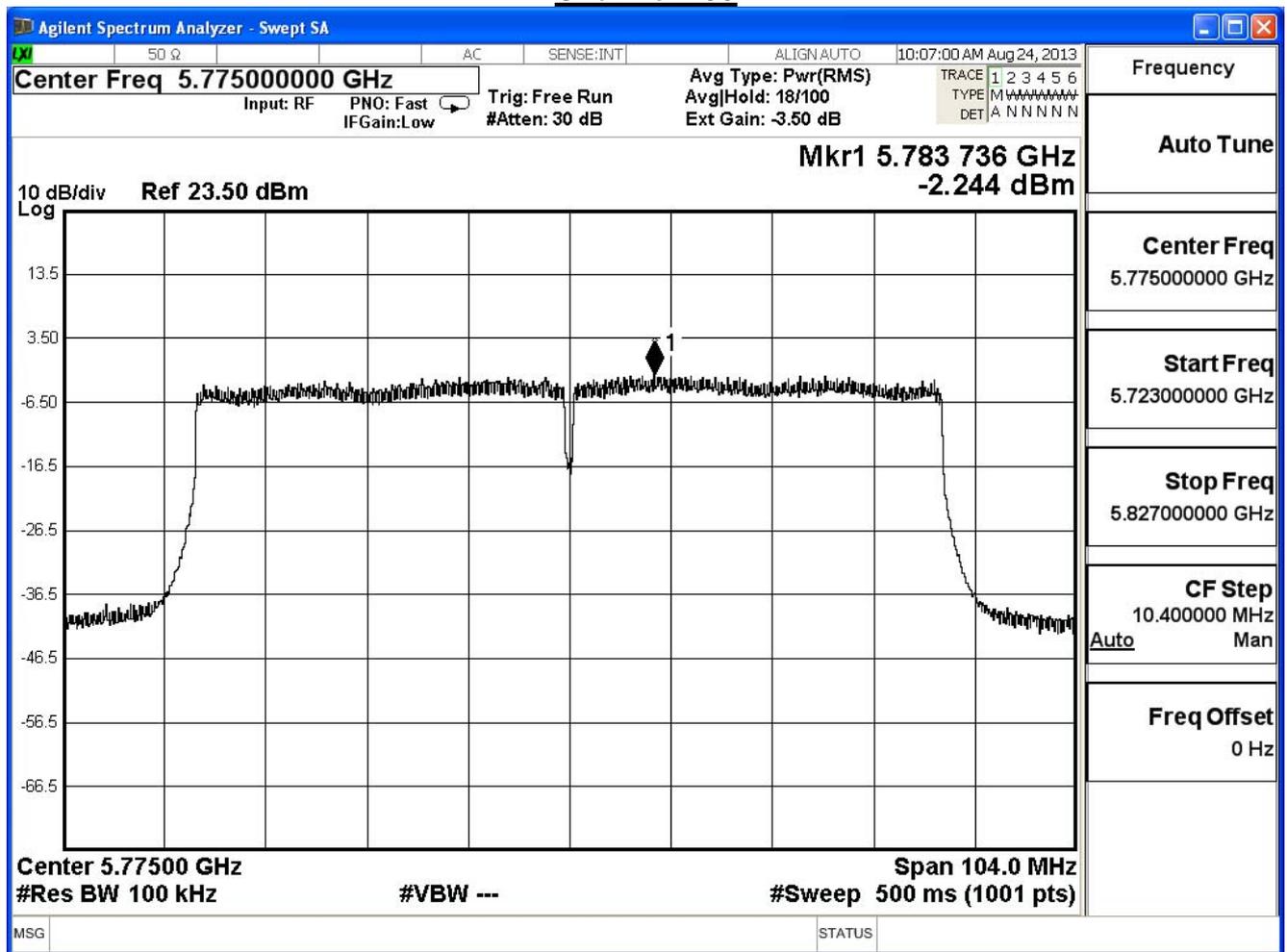
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 155



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)_Adapter: EXA1206UH_LAN1		
Date of Test	2013/08/29	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-14.69	≤ 7.20	Pass

Note:

Total Gain = $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(2) + 3.79\text{dBi} = 6.80\text{dBi}$

Limit = $8\text{dBm} - (6.80\text{dBi} - 6\text{dB}) = 7.20\text{dBm}$

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 7: Transmit (Beamforming mode) Adapter:EXA1206UH_LAN1		
Date of Test	2013/02/25	Test Site	SR7

IEEE 802.11a					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	8.201	-6.999	≤ 7.20	Pass
157	5785	9.144	-6.056	≤ 7.20	Pass
165	5825	8.711	-6.489	≤ 7.20	Pass

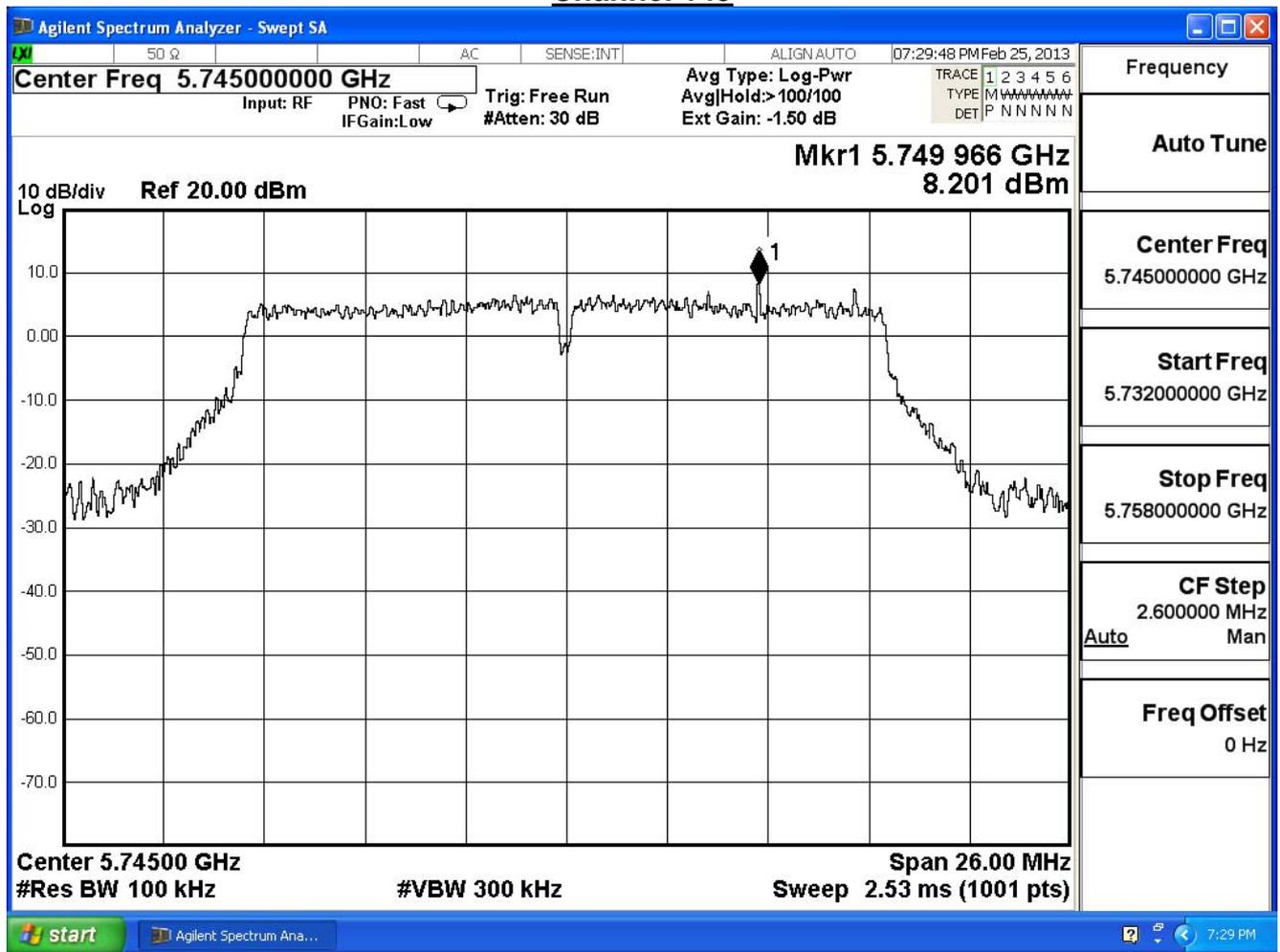
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

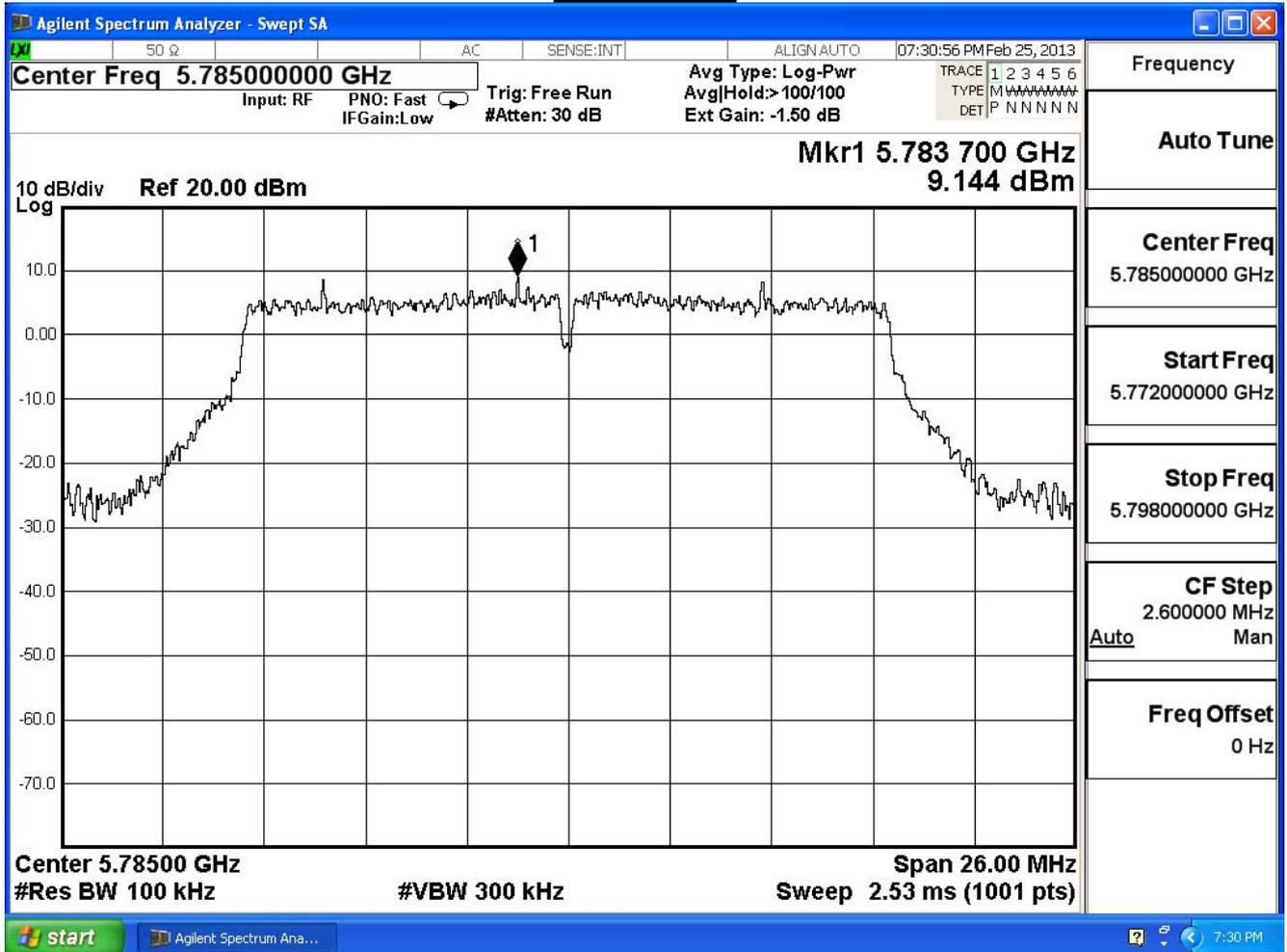
Total Gain = Beamforming Gain + Max Gain = 6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

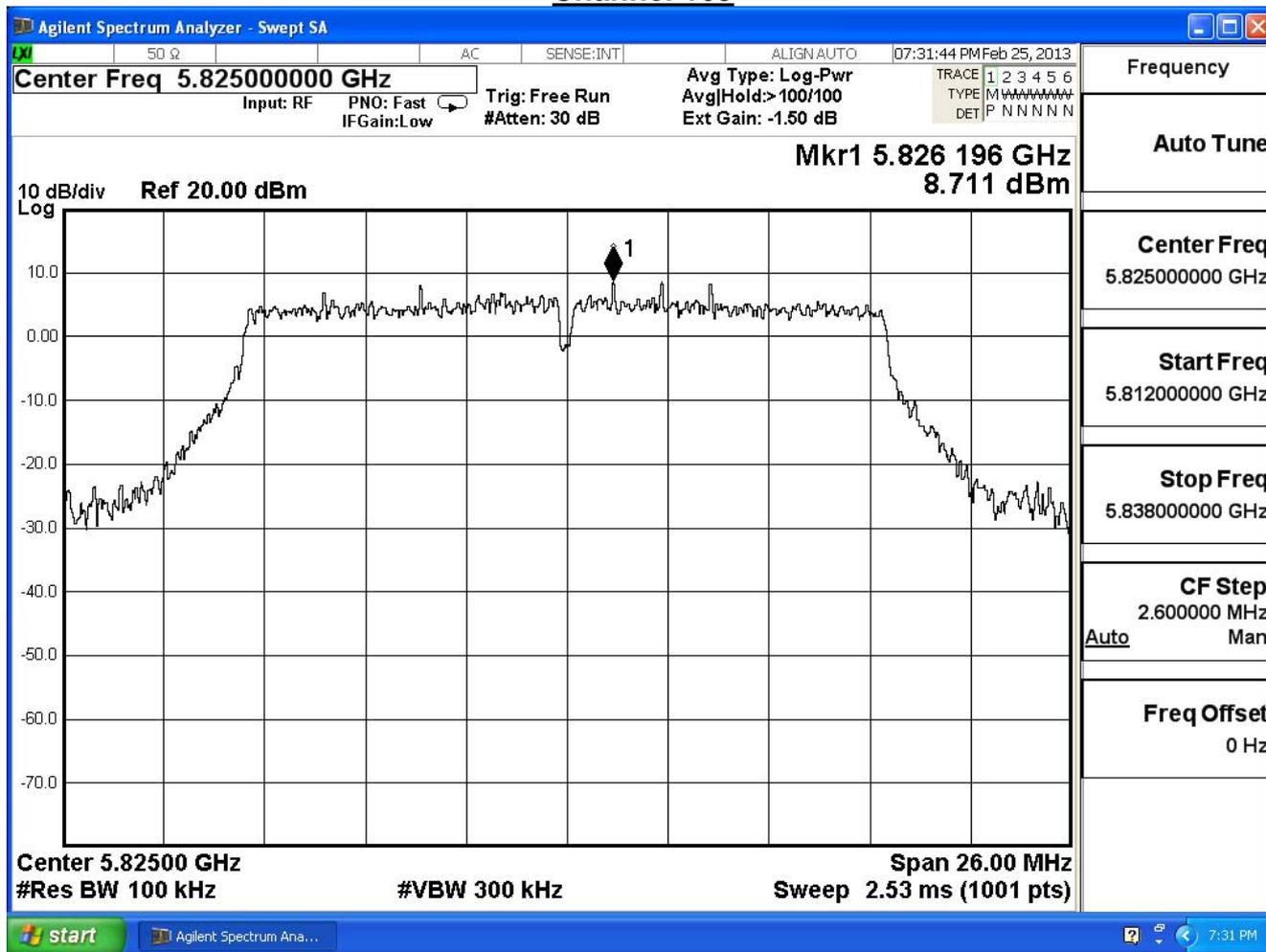
Channel 149



Channel 157



Channel 165



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 7: Transmit (Beamforming mode) Adapter:EXA1206UH_LAN1		
Date of Test	2013/02/25	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	9.010	-6.190	≤ 7.20	Pass
157	5785	9.631	-5.569	≤ 7.20	Pass
165	5825	9.529	-5.671	≤ 7.20	Pass

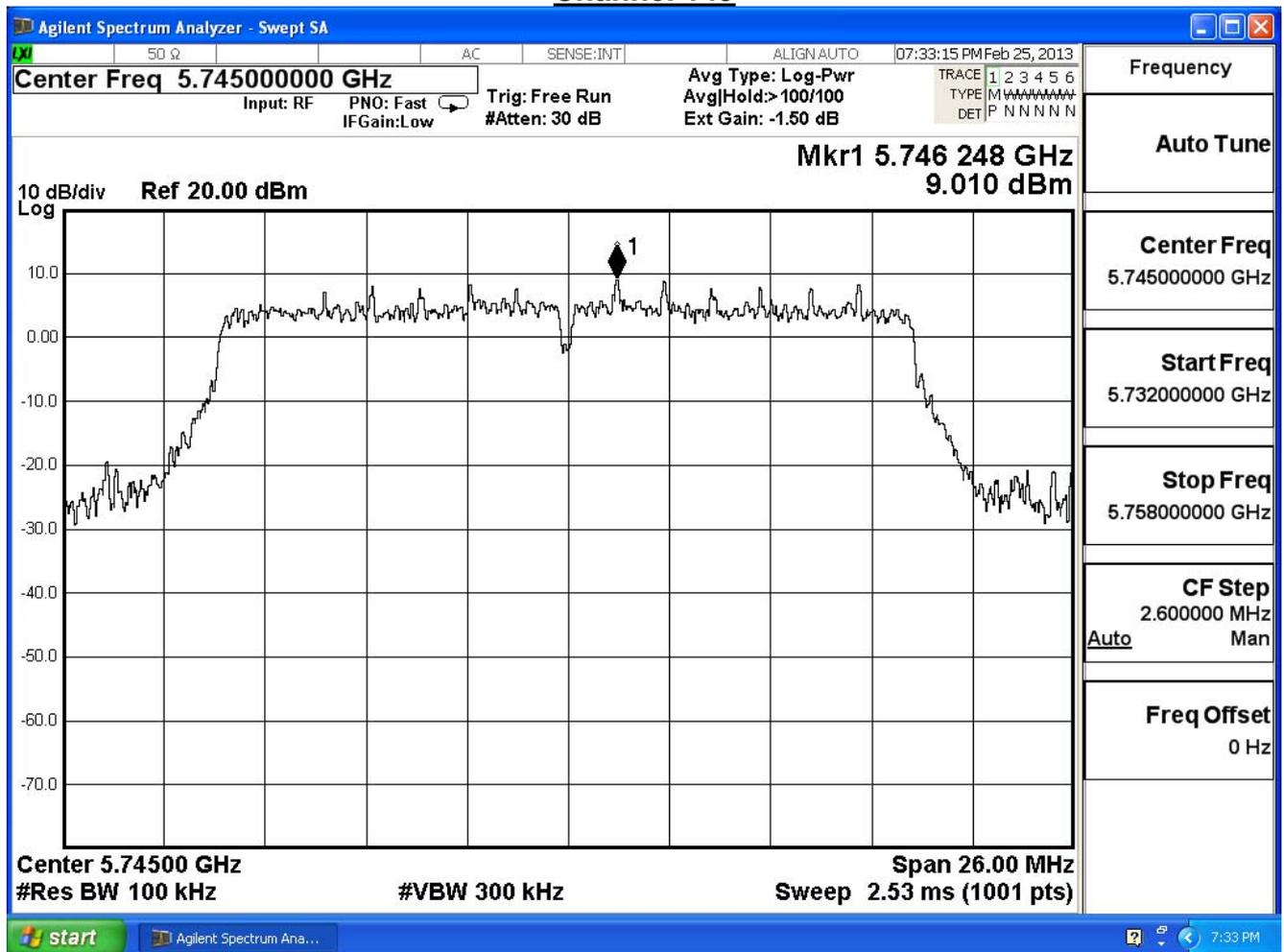
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

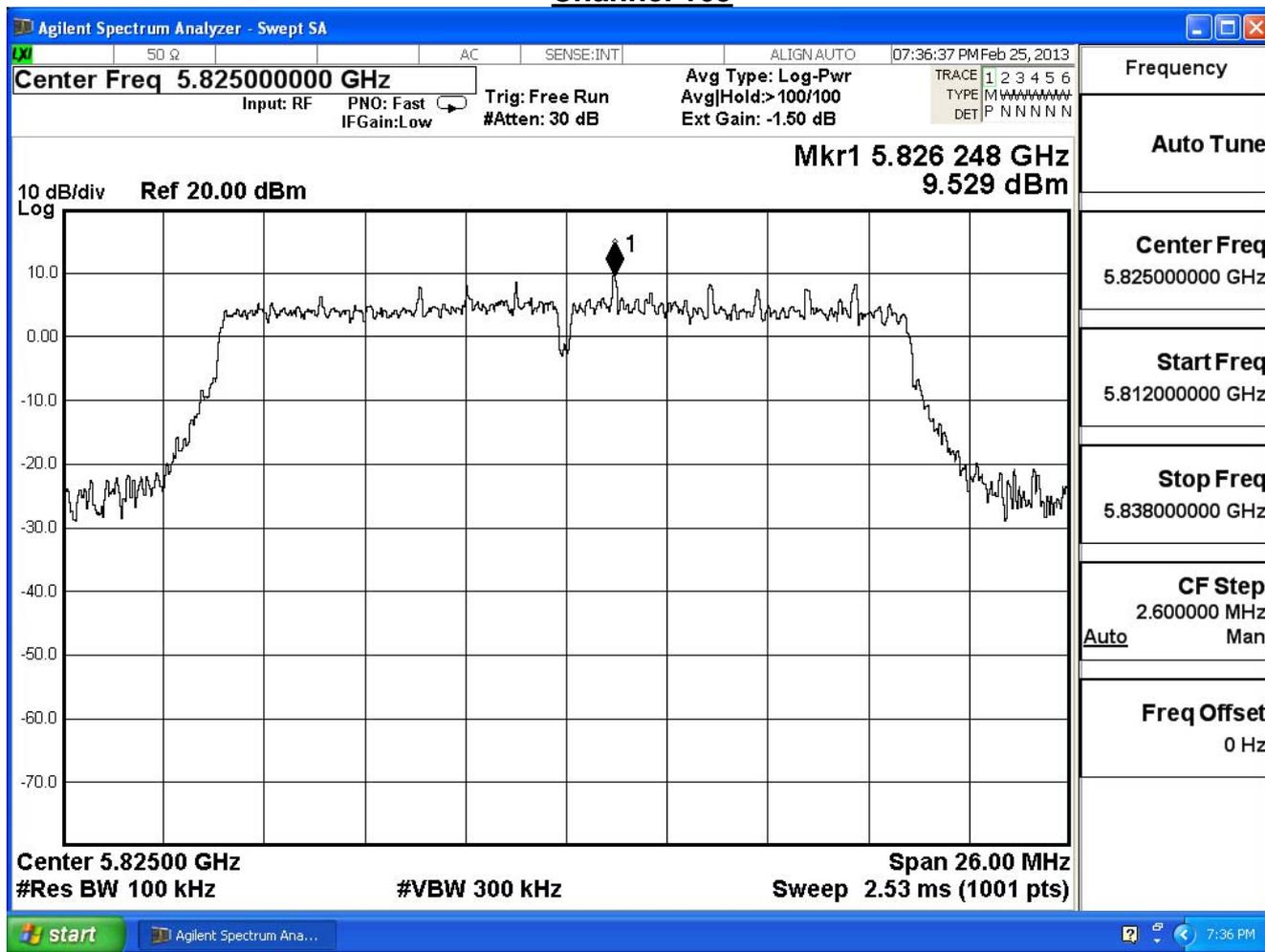
Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 149



Channel 165



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 7: Transmit (Beamforming mode) Adapter:EXA1206UH_LAN1		
Date of Test	2013/02/25	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	8.247	-6.953	≤ 7.20	Pass
157	5785	8.927	-6.273	≤ 7.20	Pass
165	5825	8.388	-6.812	≤ 7.20	Pass

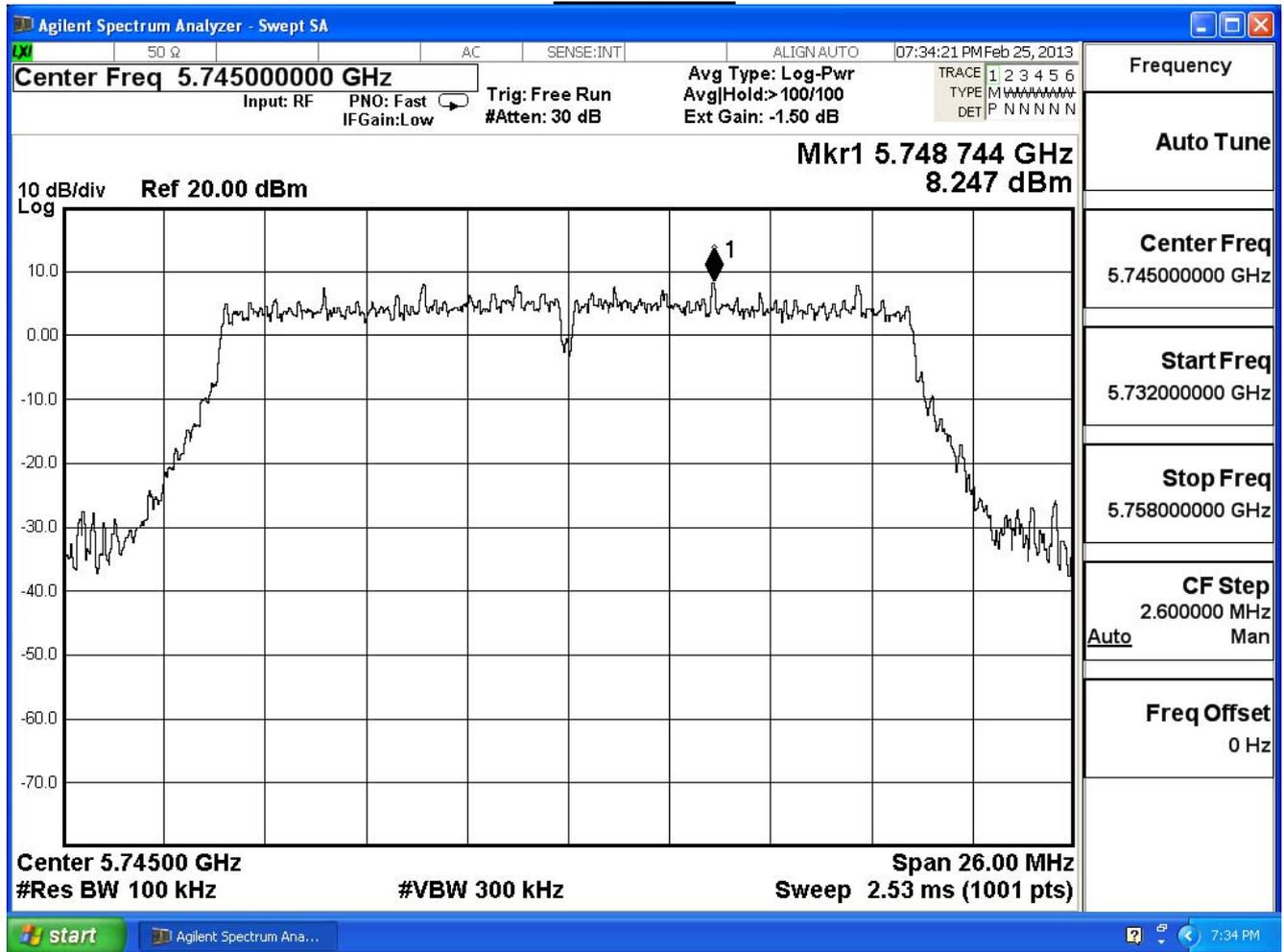
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

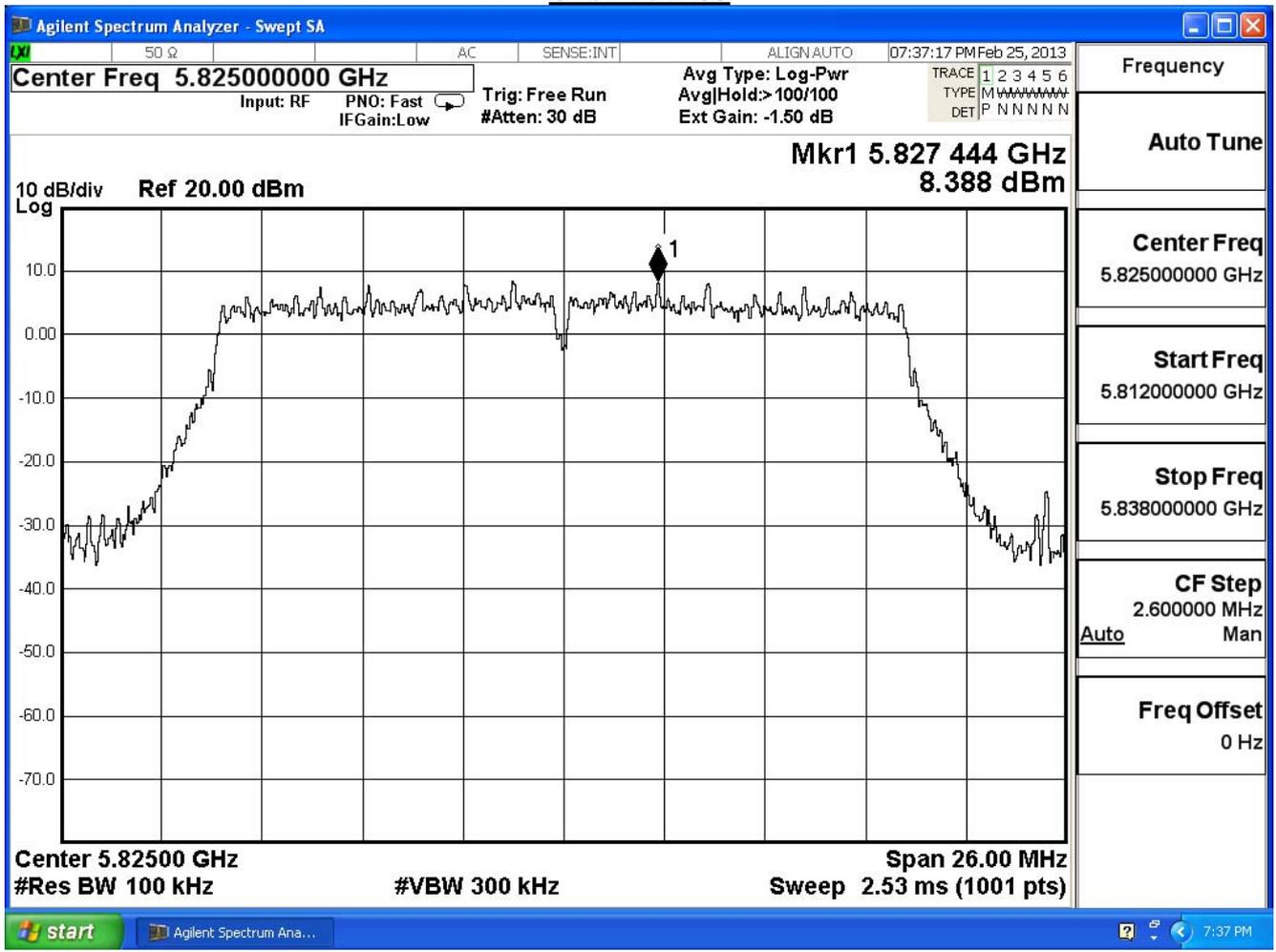
Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 149



Channel 165



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 7: Transmit (Beamforming mode) Adapter:EXA1206UH_LAN1		
Date of Test	2013/02/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.54	≤ 7.20	Pass
157	5785	-2.90	≤ 7.20	Pass
165	5825	-3.19	≤ 7.20	Pass

Note:

Total Gain = $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(2) + 3.79\text{dBi} = 6.80\text{dBi}$

Limit = $8\text{dBm} - (6.80\text{dBi} - 6\text{dB}) = 7.20\text{dBm}$

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 7: Transmit (Beamforming mode) Adapter:EXA1206UH_LAN1		
Date of Test	2013/02/25	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	5.704	-9.496	≤ 7.20	Pass
159	5795	6.009	-9.191	≤ 7.20	Pass

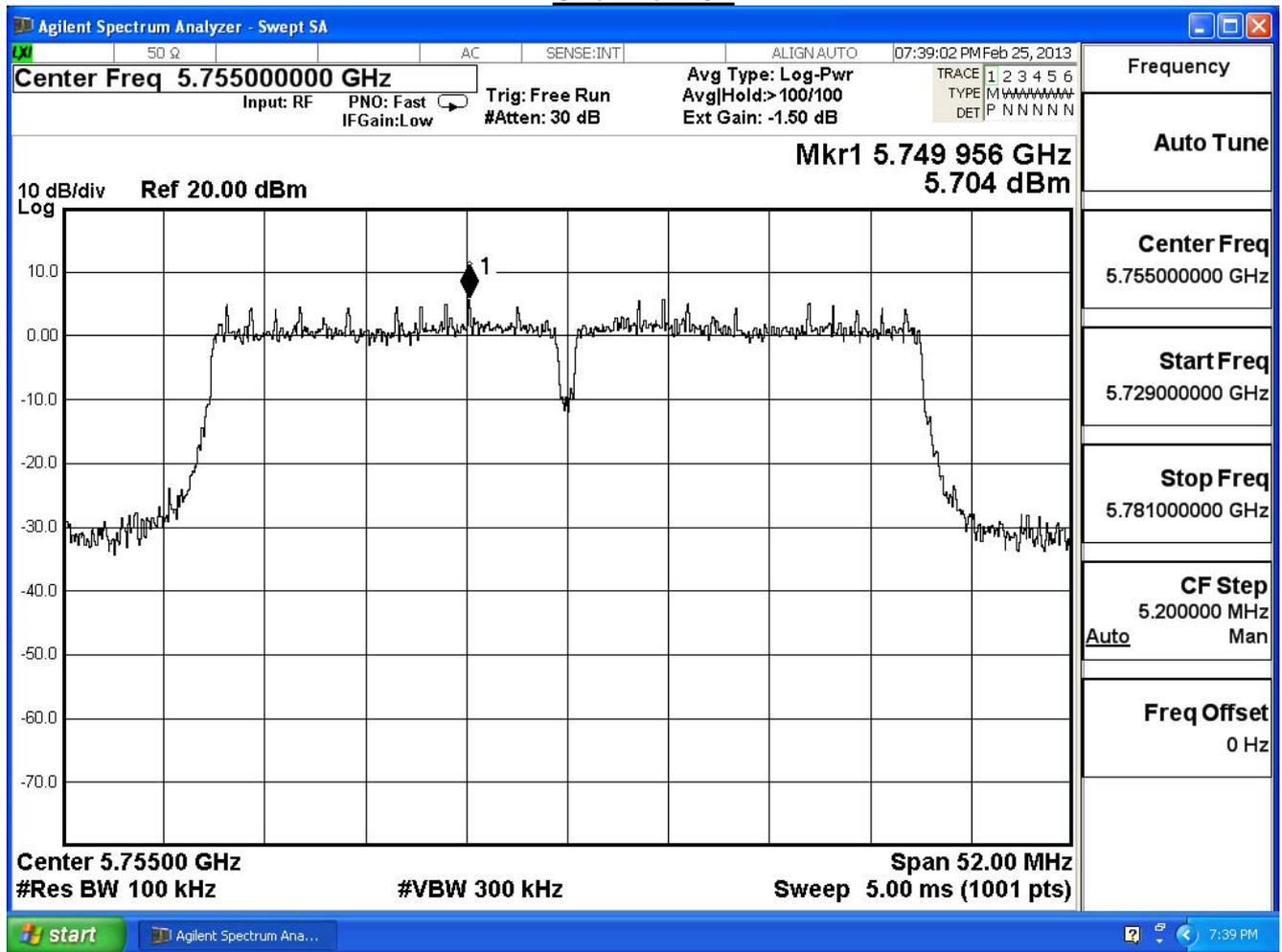
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

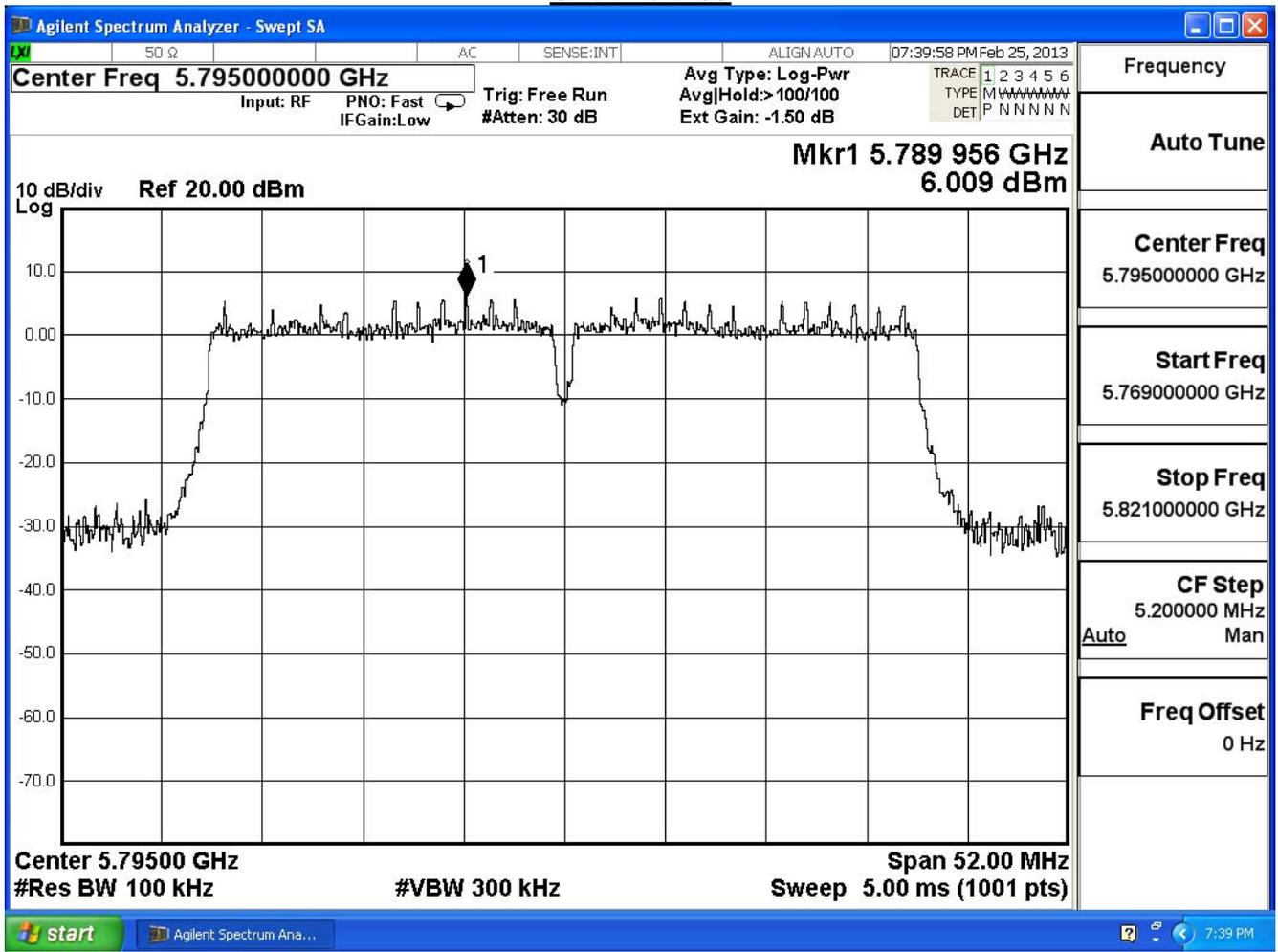
Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 151



Channel 159



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 7: Transmit (Beamforming mode)_Adapter:EXA1206UH_LAN1		
Date of Test	2013/02/25	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	5.805	-9.395	≤ 7.20	Pass
159	5795	5.702	-9.498	≤ 7.20	Pass

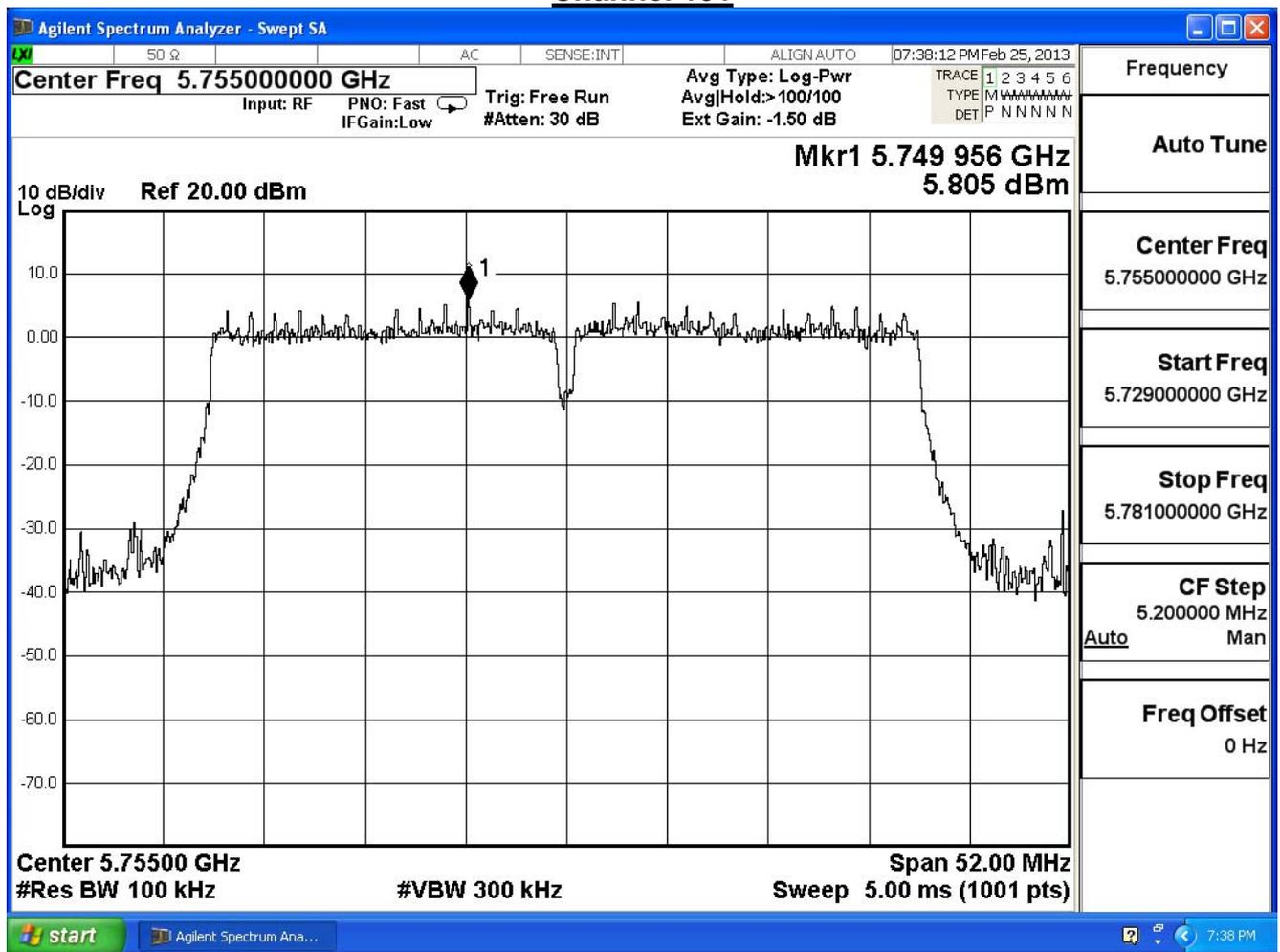
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

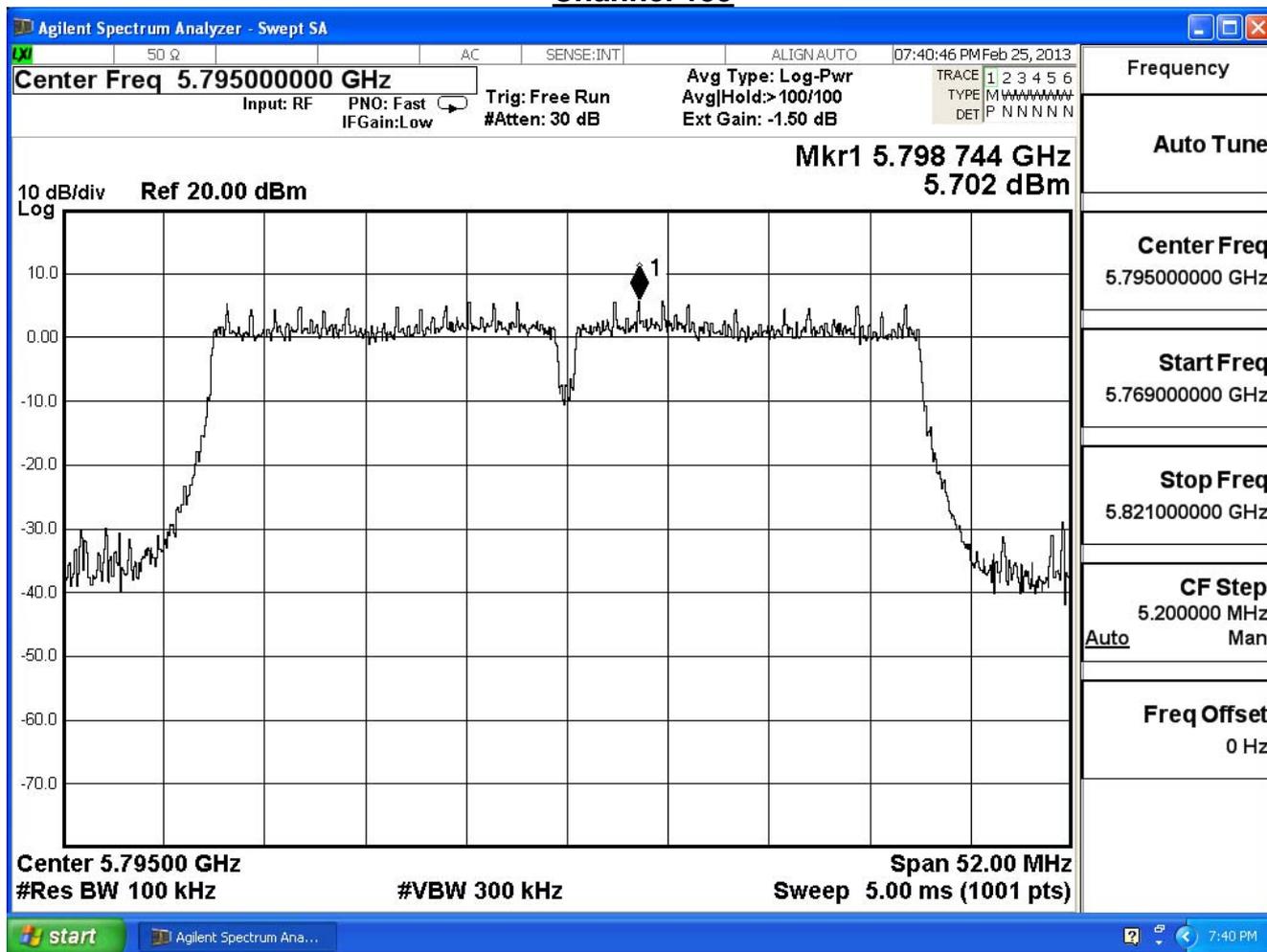
Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 151



Channel 159



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 7: Transmit (Beamforming mode) Adapter:EXA1206UH_LAN1		
Date of Test	2013/02/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-6.43	≤ 7.20	Pass
159	5795	-6.33	≤ 7.20	Pass

Note:

Total Gain = $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(2) + 3.79\text{dBi} = 6.80\text{dBi}$

Limit = $8\text{dBm} - (6.80\text{dBi} - 6\text{dB}) = 7.20\text{dBm}$

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 7: Transmit (Beamforming mode) Adapter:EXA1206UH_LAN1		
Date of Test	2013/02/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	2.876	-12.324	≤7.20	Pass

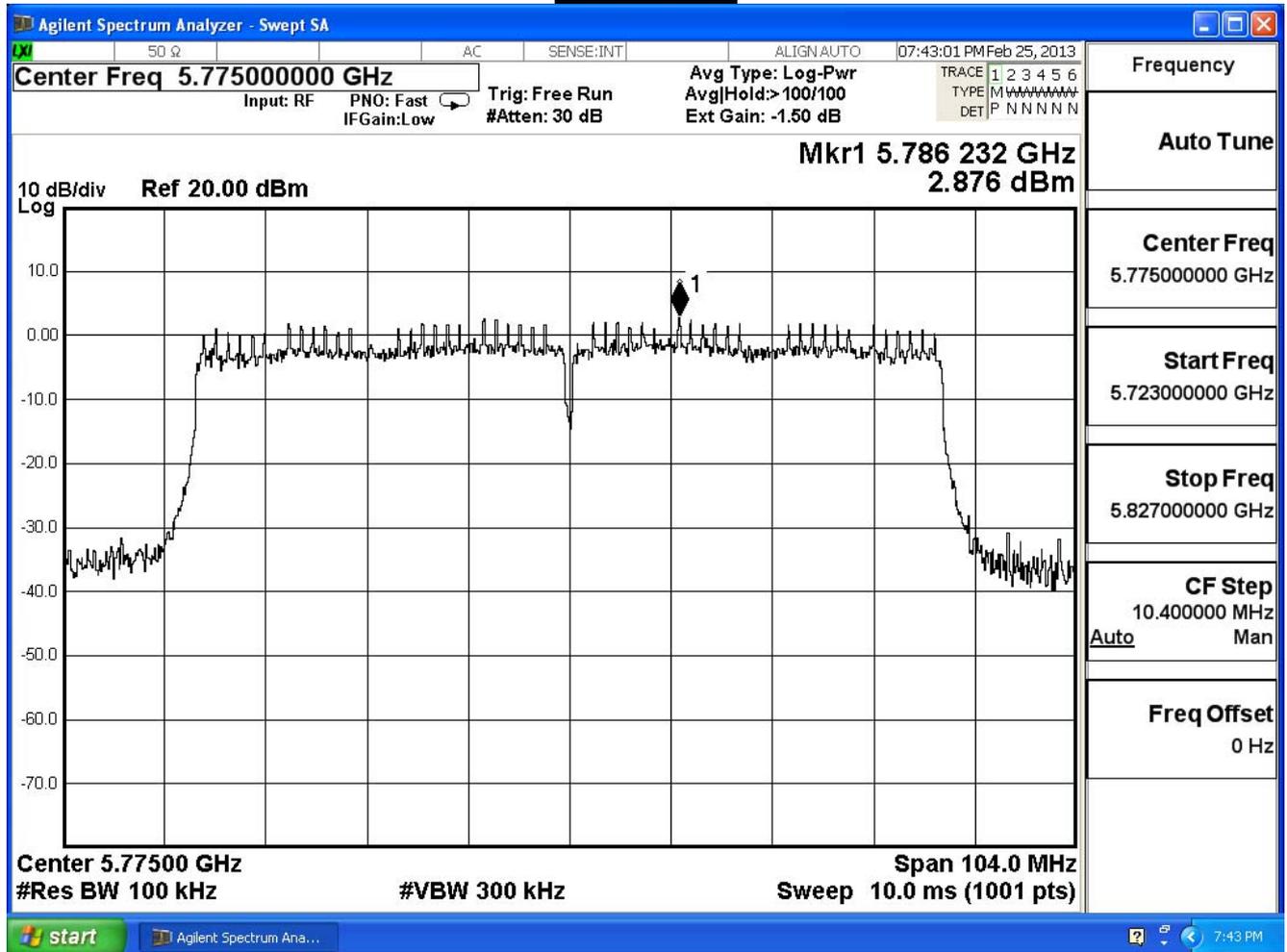
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 155



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 7: Transmit (Beamforming mode) Adapter:EXA1206UH_LAN1		
Date of Test	2013/02/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	2.775	-12.425	≤7.20	Pass

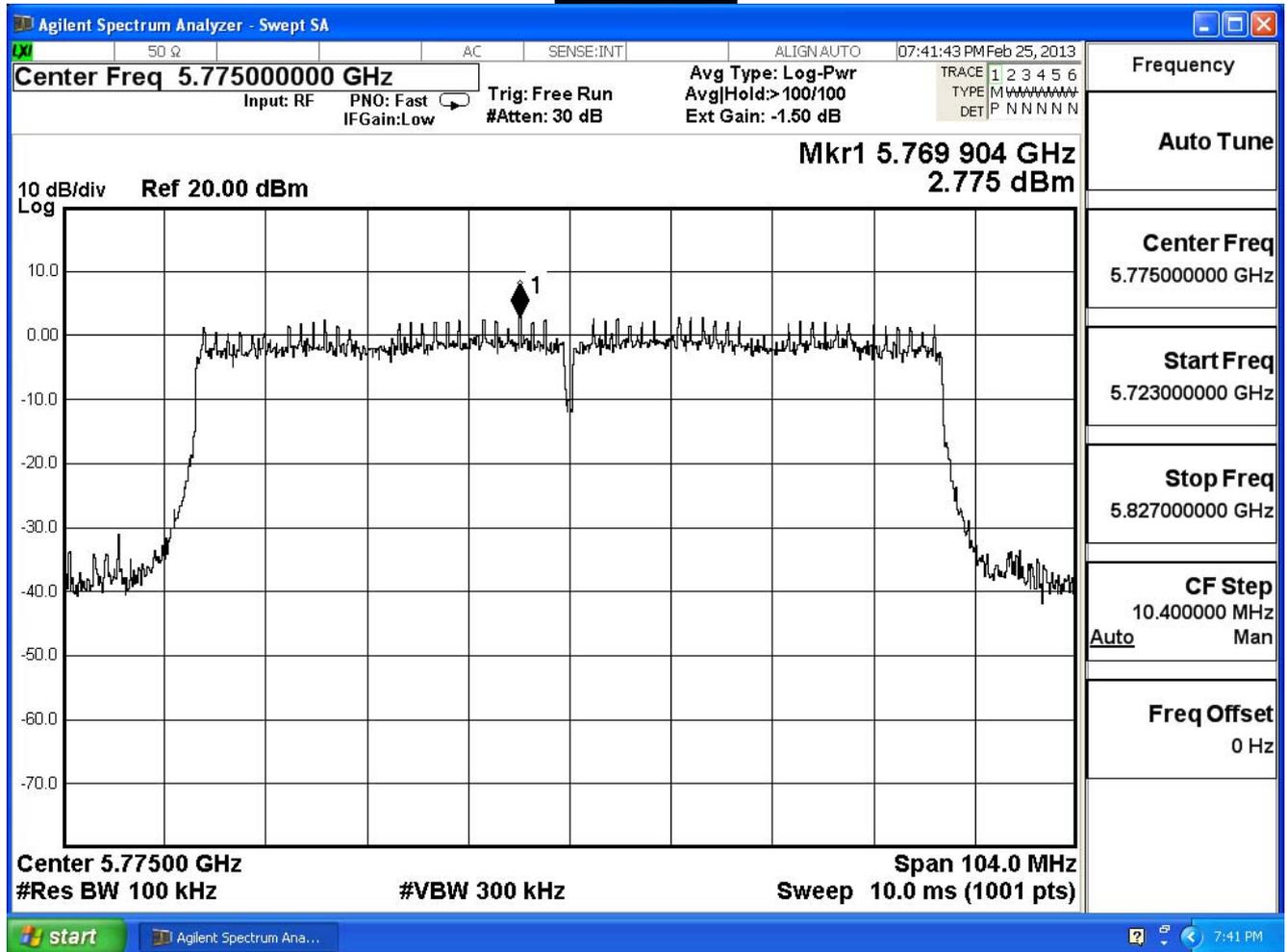
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

Note:

Total Gain = 10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi

Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 155



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 7: Transmit (Beamforming mode) Adapter:EXA1206UH_LAN1		
Date of Test	2013/02/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-9.36	≤ 7.20	Pass

Note:

Total Gain = $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(2) + 3.79\text{dBi} = 6.80\text{dBi}$

Limit = $8\text{dBm} - (6.80\text{dBi} - 6\text{dB}) = 7.20\text{dBm}$