

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

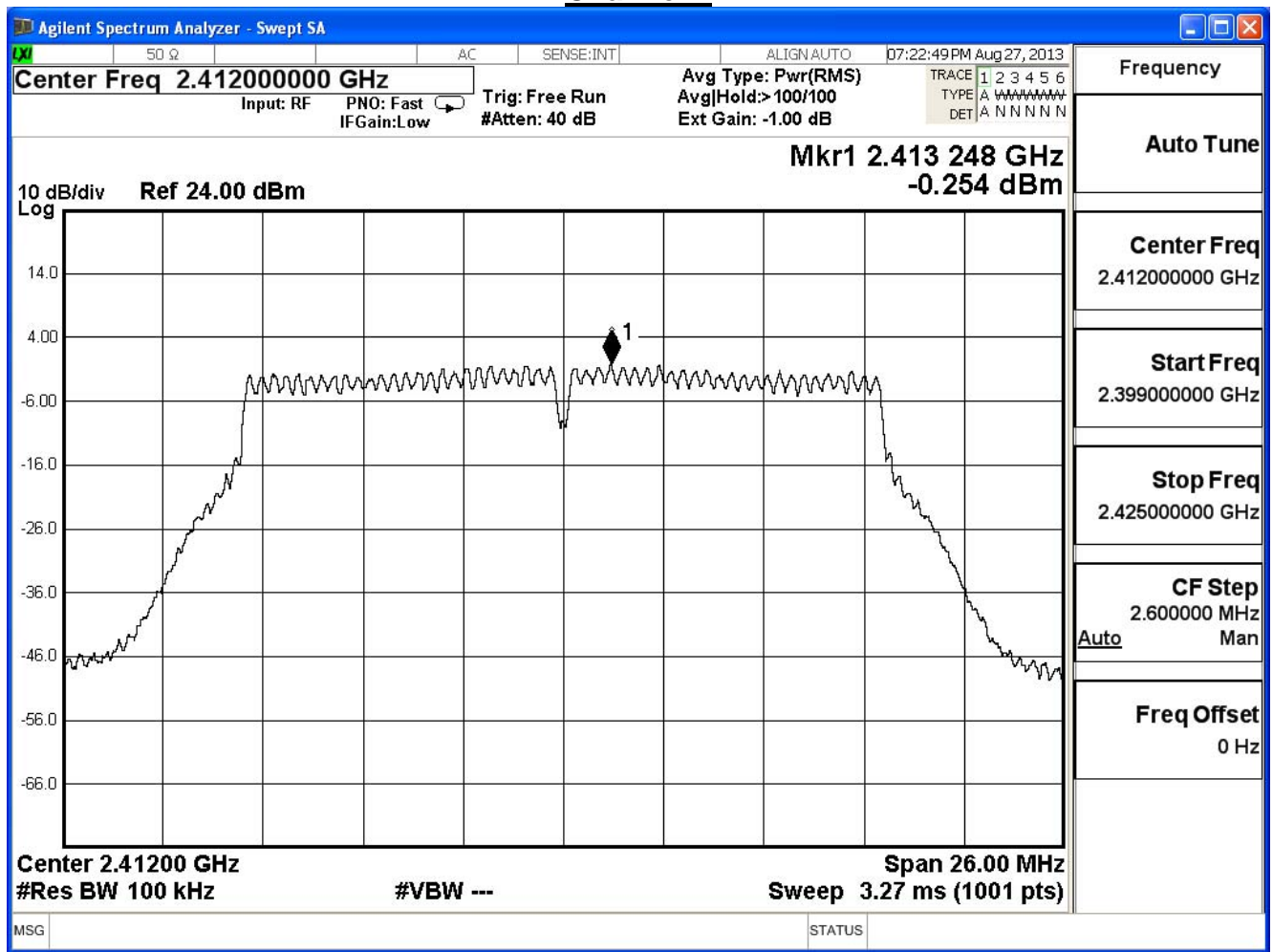
IEEE 802.11g (ANT1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
1	2412	-0.25	-15.45	≤ 7.32	Pass
6	2437	4.54	-10.66	≤ 7.32	Pass
11	2462	1.56	-13.64	≤ 7.32	Pass

Note:

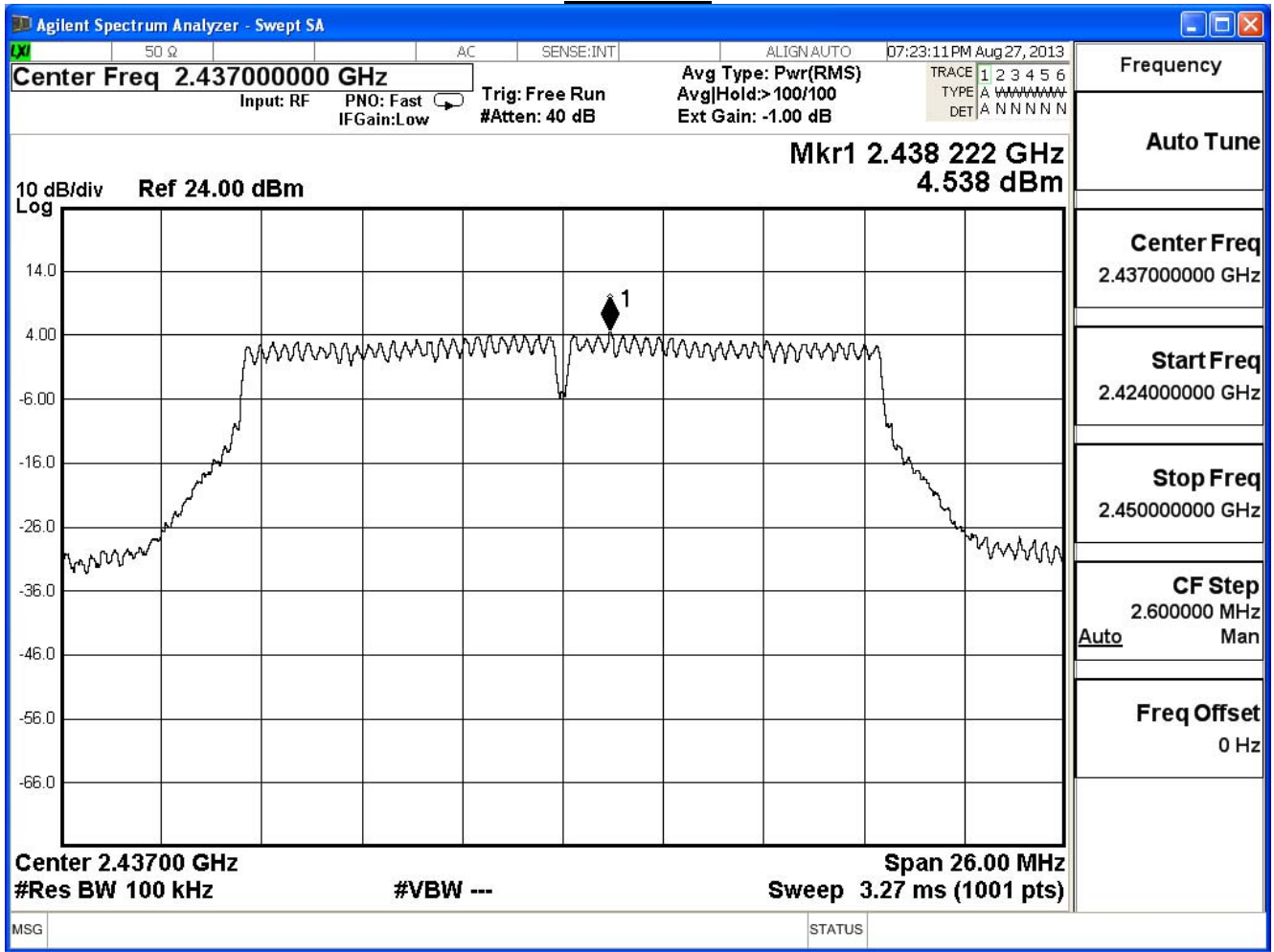
Total Gain :  $10\log(3) + \text{max Gain} = 6.68$

Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

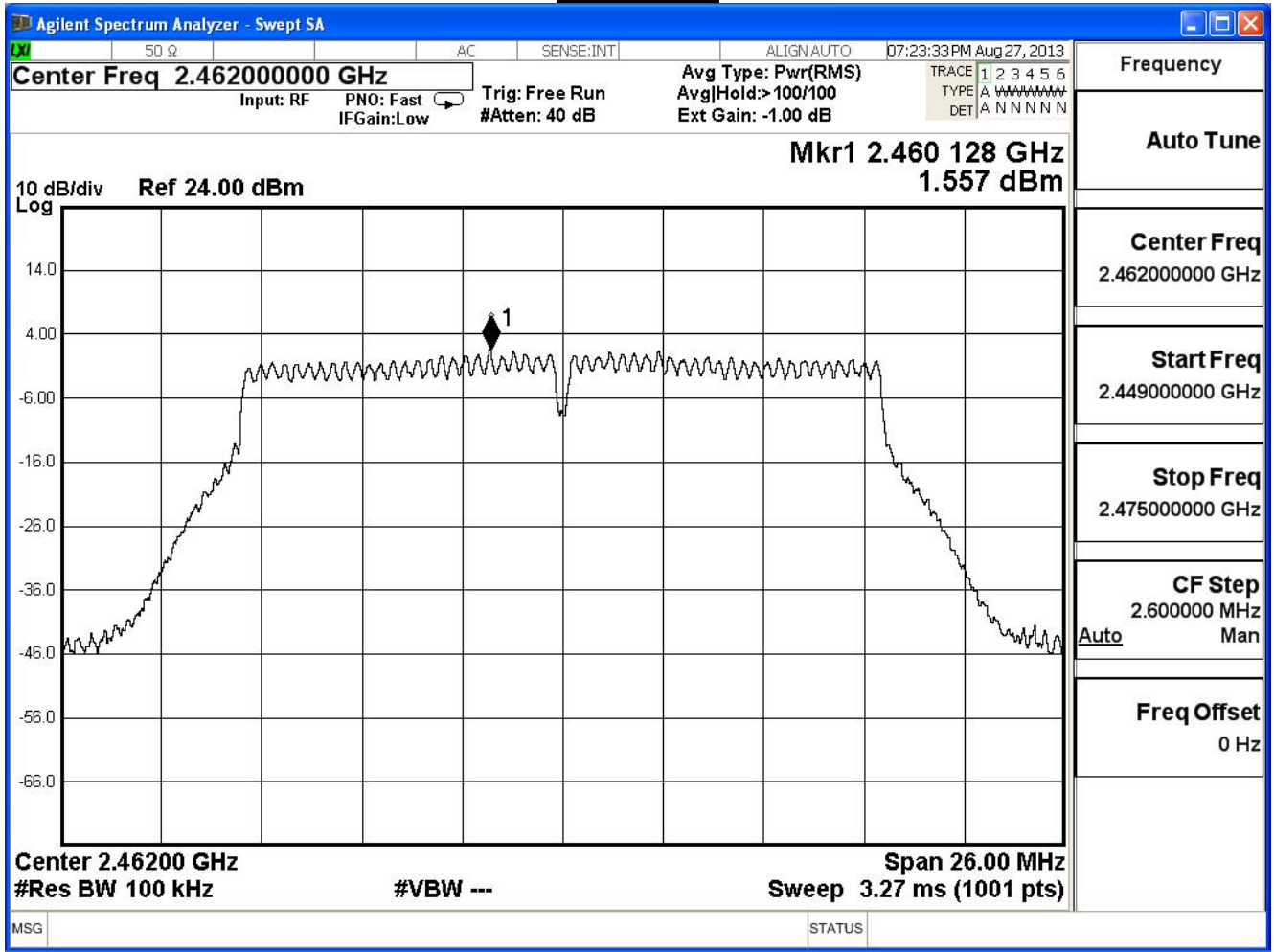
### Channel 1



Channel 6



Channel 11



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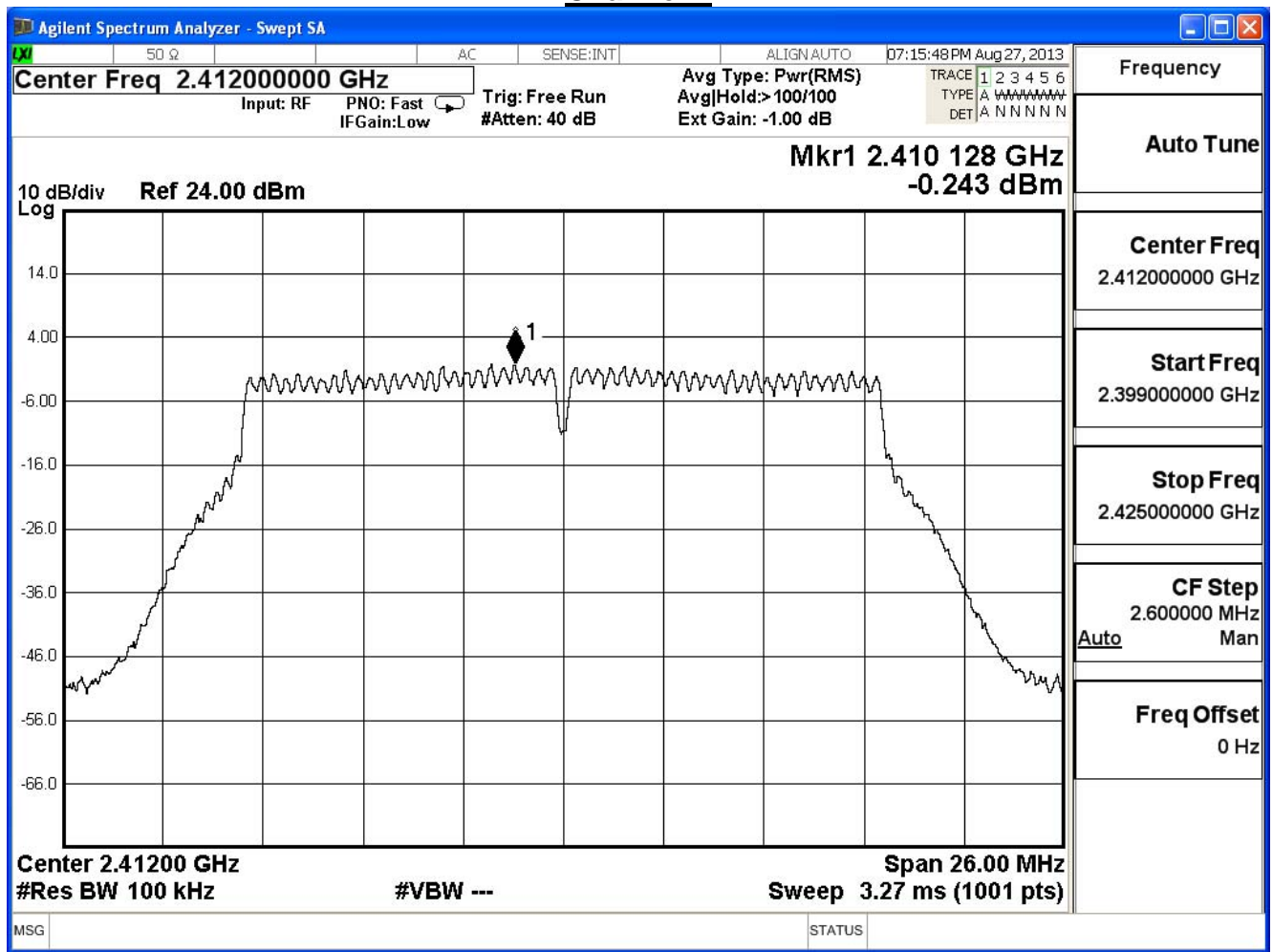
IEEE 802.11g (ANT2)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
1	2412	-0.24	-15.44	≤ 7.32	Pass
6	2437	4.46	-10.74	≤ 7.32	Pass
11	2462	-1.45	-16.65	≤ 7.32	Pass

Note:

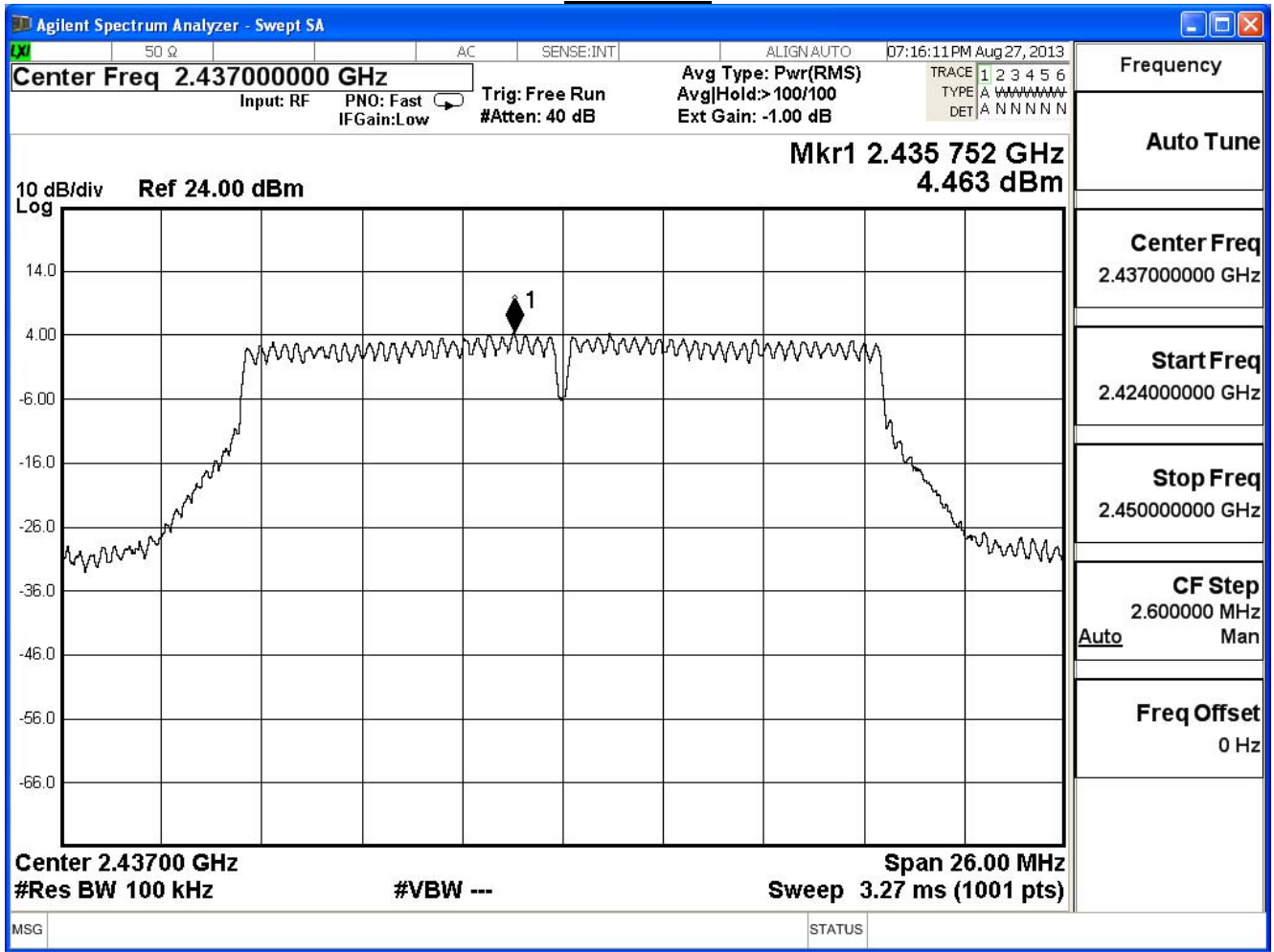
Total Gain :  $10\log(3) + \text{max Gain} = 6.68$

Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

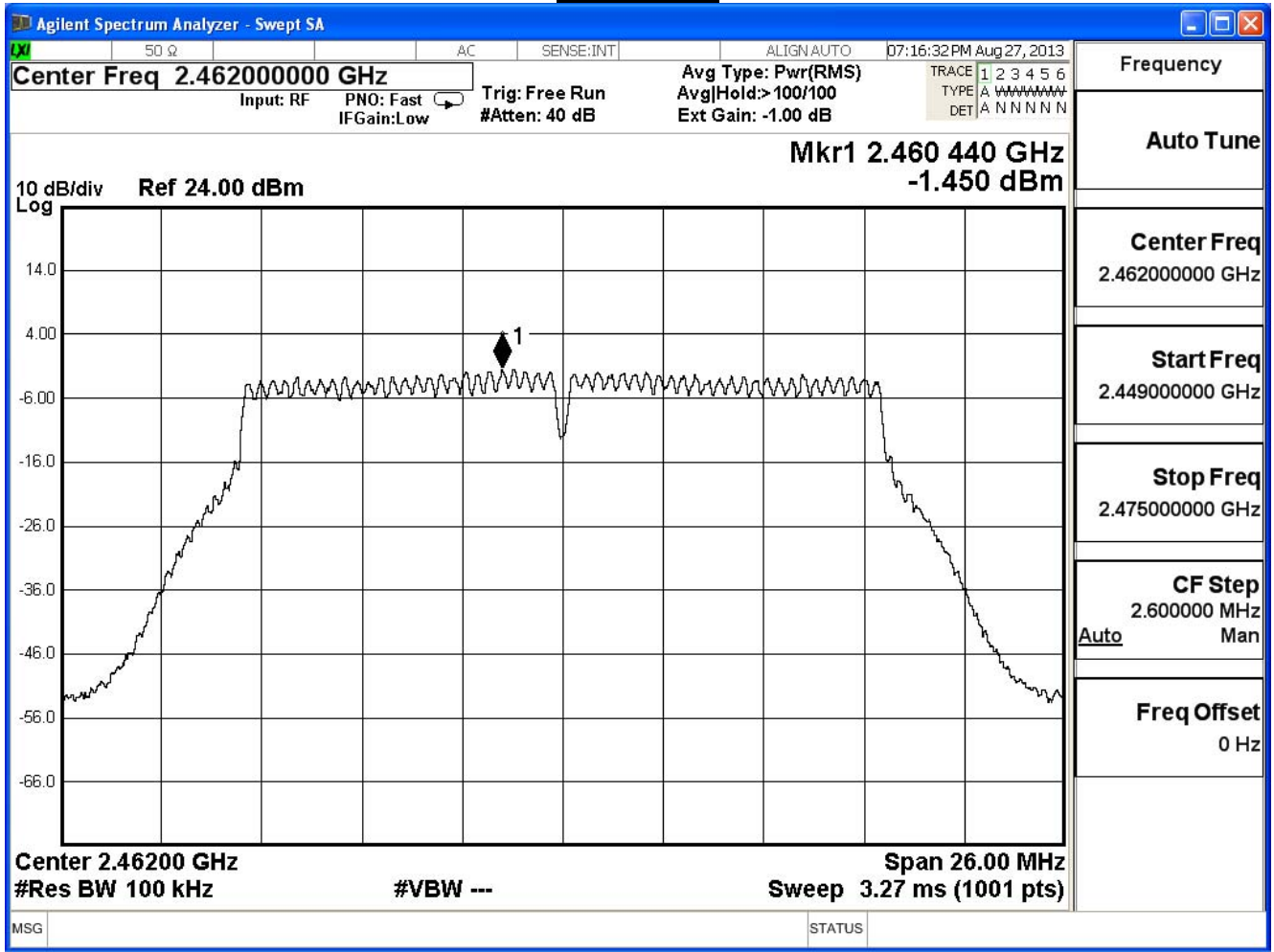
### Channel 1



Channel 6



Channel 11



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IEEE 802.11g (ANT0+1+2)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-10.67	≤7.32	Pass
6	2437	-5.62	≤7.32	Pass
11	2462	-9.61	≤7.32	Pass

Note:

Total Gain :  $10\log(3)+\max \text{ Gain} = 6.68$

Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

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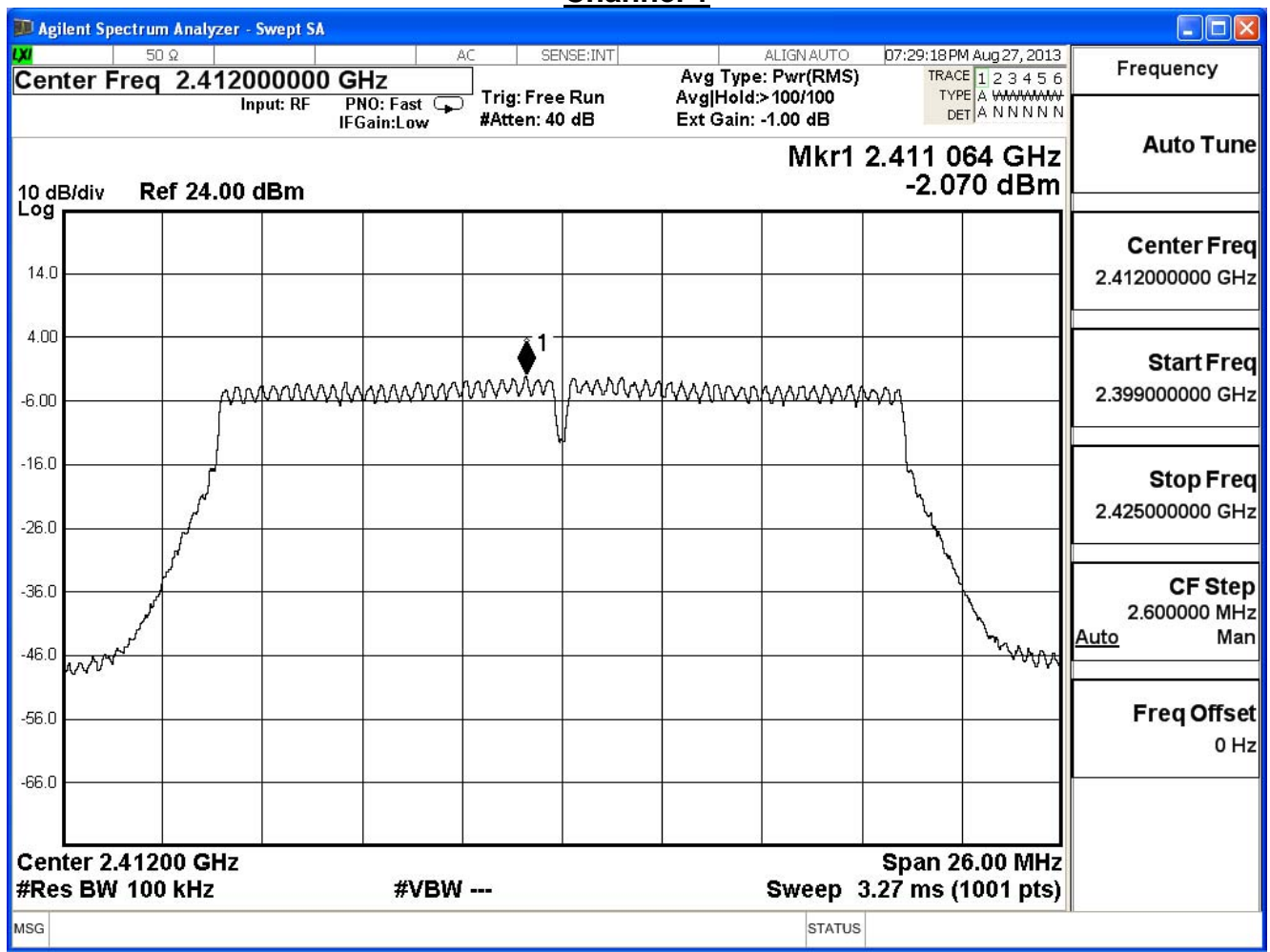
IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-2.07	-17.27	≤7.32	Pass
6	2437	3.73	-11.47	≤7.32	Pass
11	2462	-2.28	-17.48	≤7.32	Pass

Note:

Total Gain :  $10\log(3) + \text{max Gain} = 6.68$

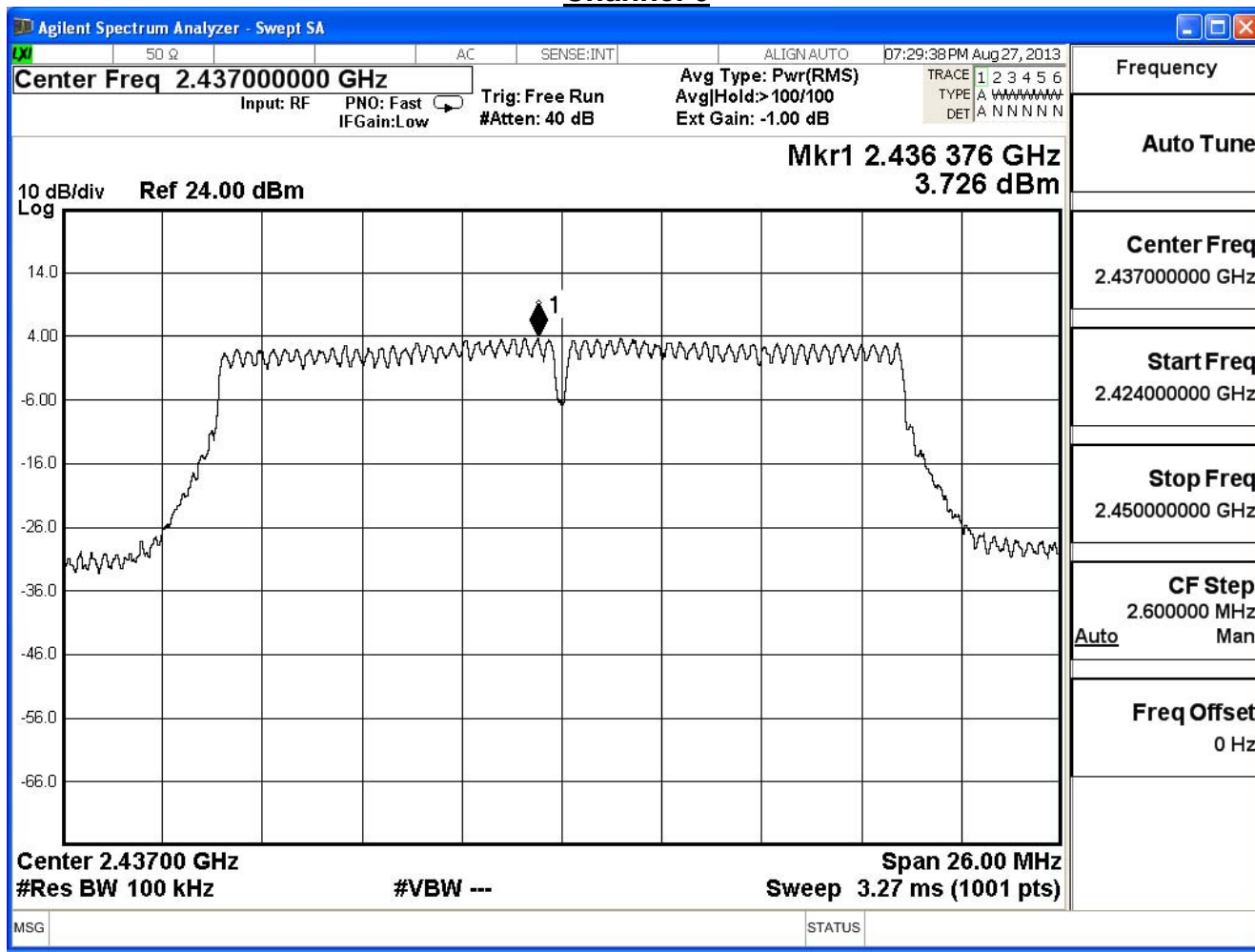
Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

### Channel 1

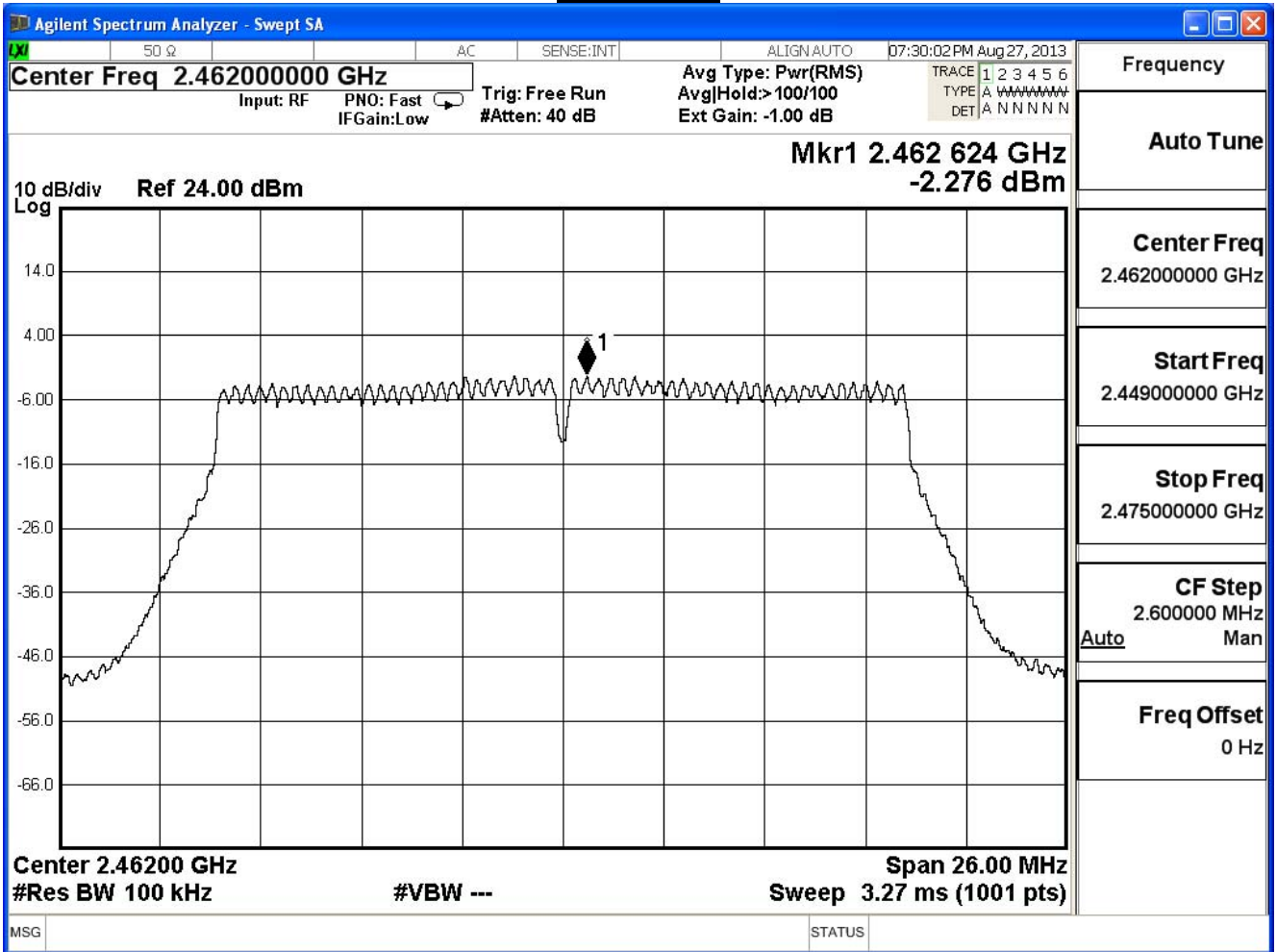




Channel 6



Channel 11



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IEEE802.11n\_20MHz\_(ANT 1)

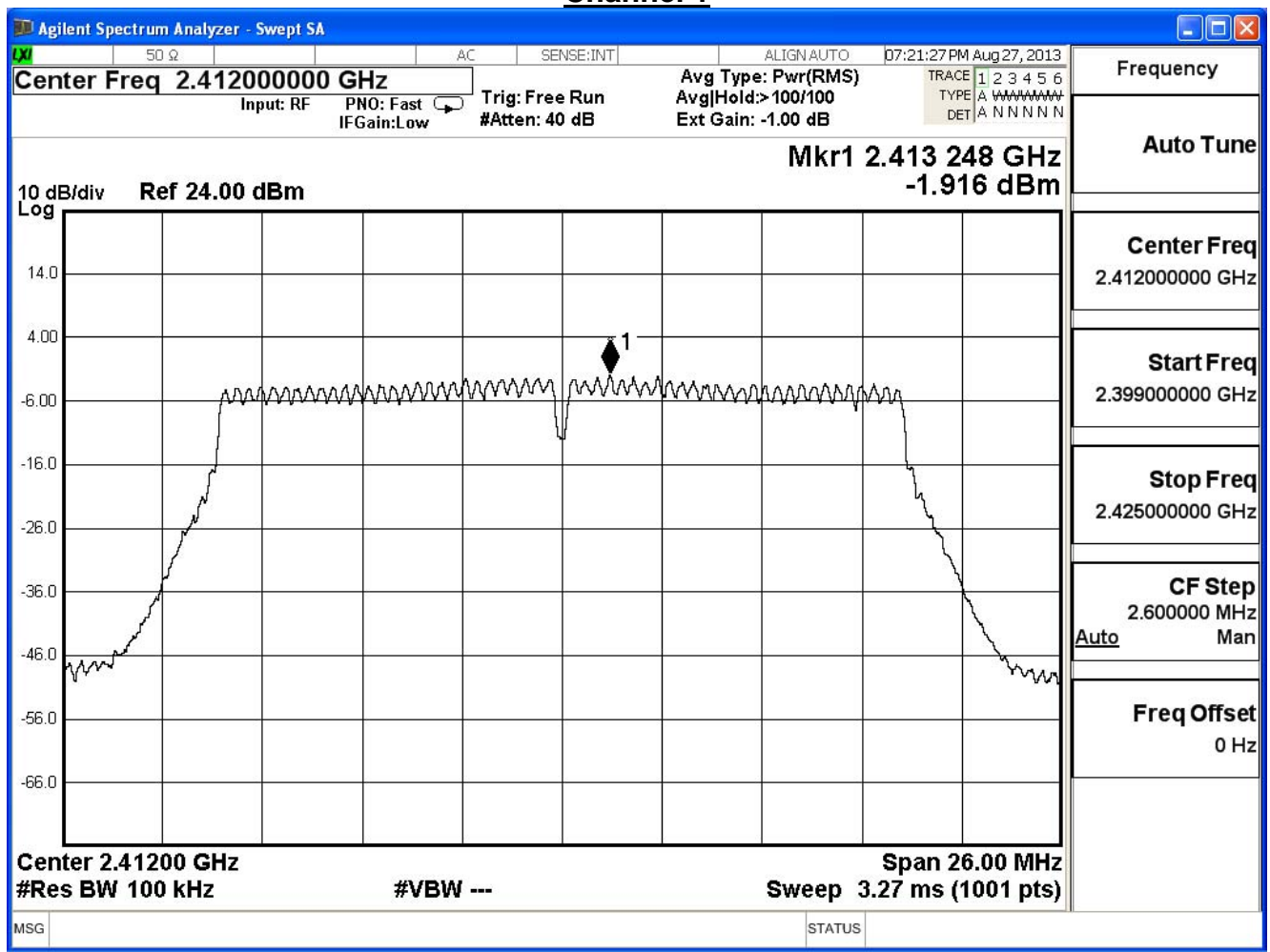
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
1	2412	-1.92	-17.12	≤ 7.32	Pass
6	2437	3.04	-12.16	≤ 7.32	Pass
11	2462	-2.50	-17.70	≤ 7.32	Pass

Note:

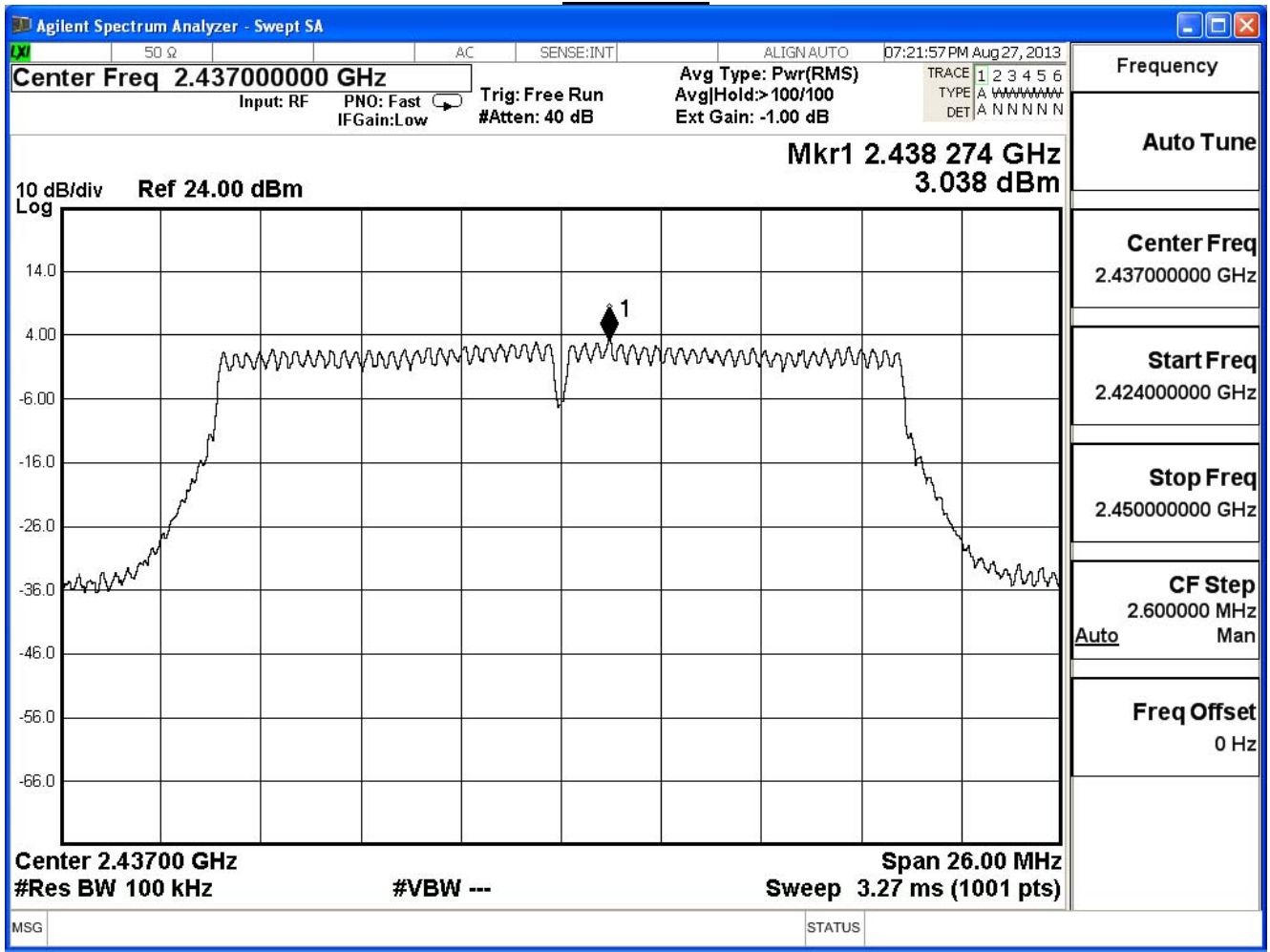
Total Gain :  $10\log(3) + \text{max Gain} = 6.68$

Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

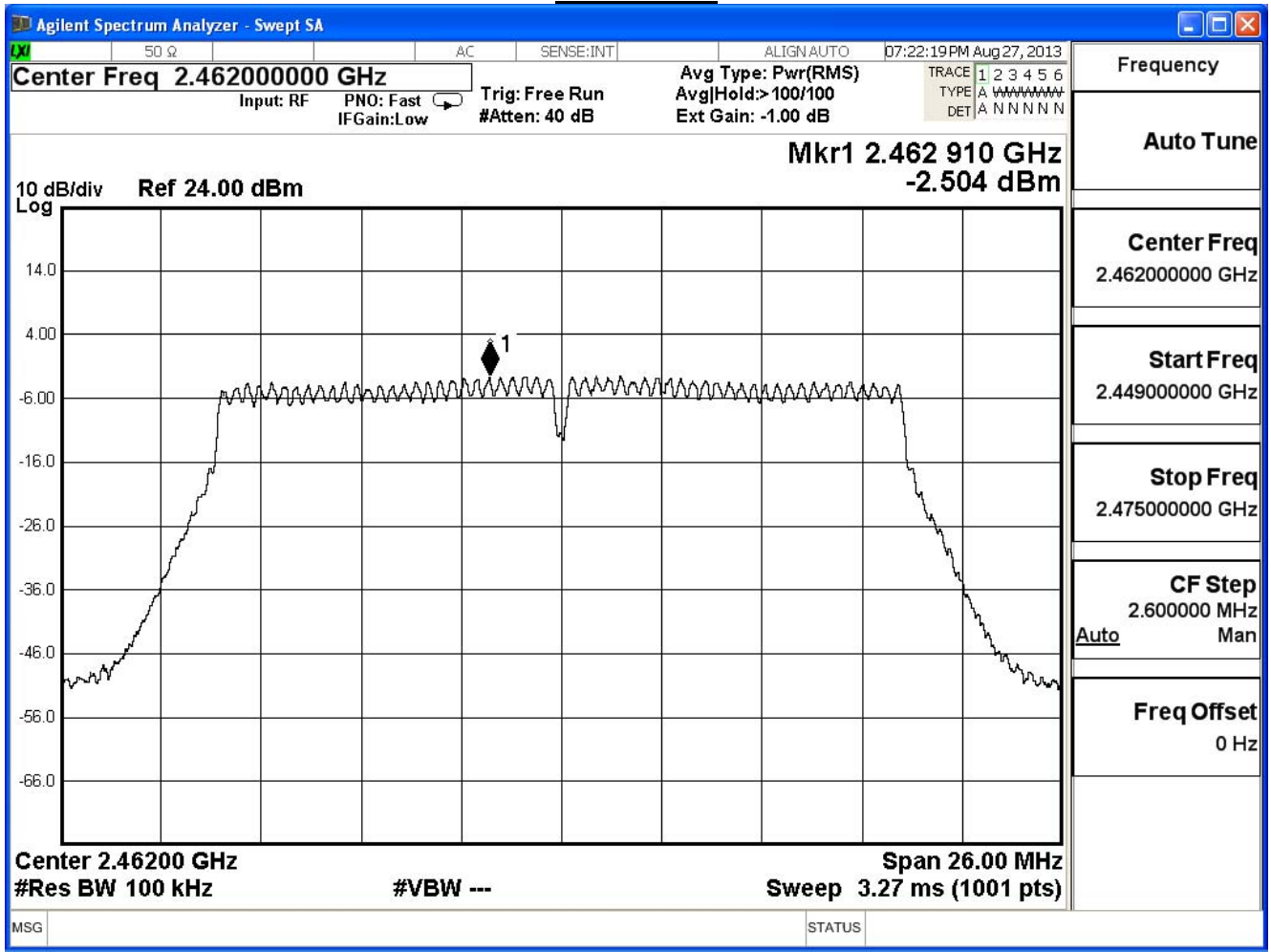
### Channel 1



Channel 6



Channel 11



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IEEE802.11n\_20MHz\_(ANT 2)

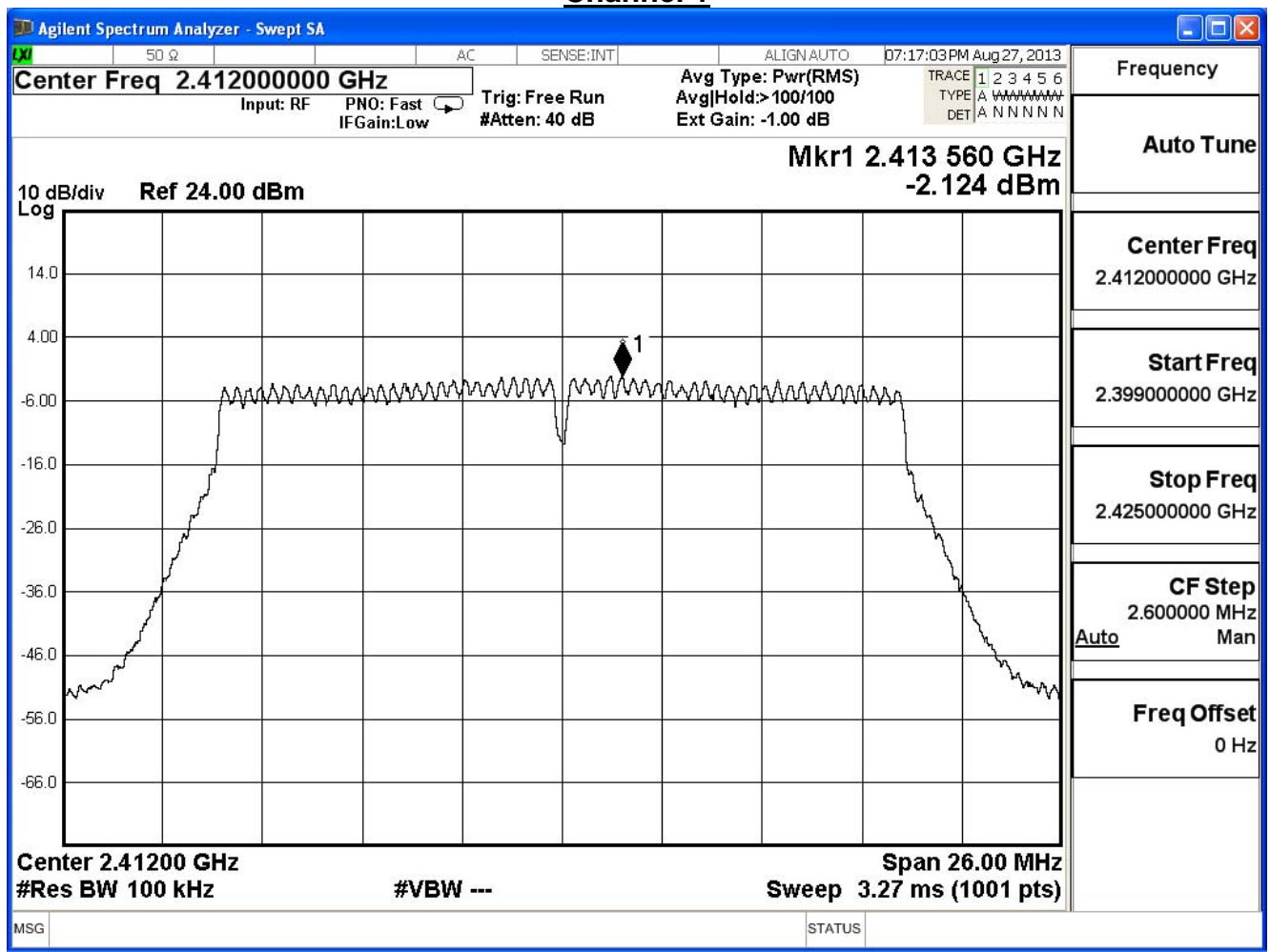
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
1	2412	-2.12	-17.32	≤ 7.32	Pass
6	2437	2.87	-12.33	≤ 7.32	Pass
11	2462	-2.67	-17.87	≤ 7.32	Pass

Note:

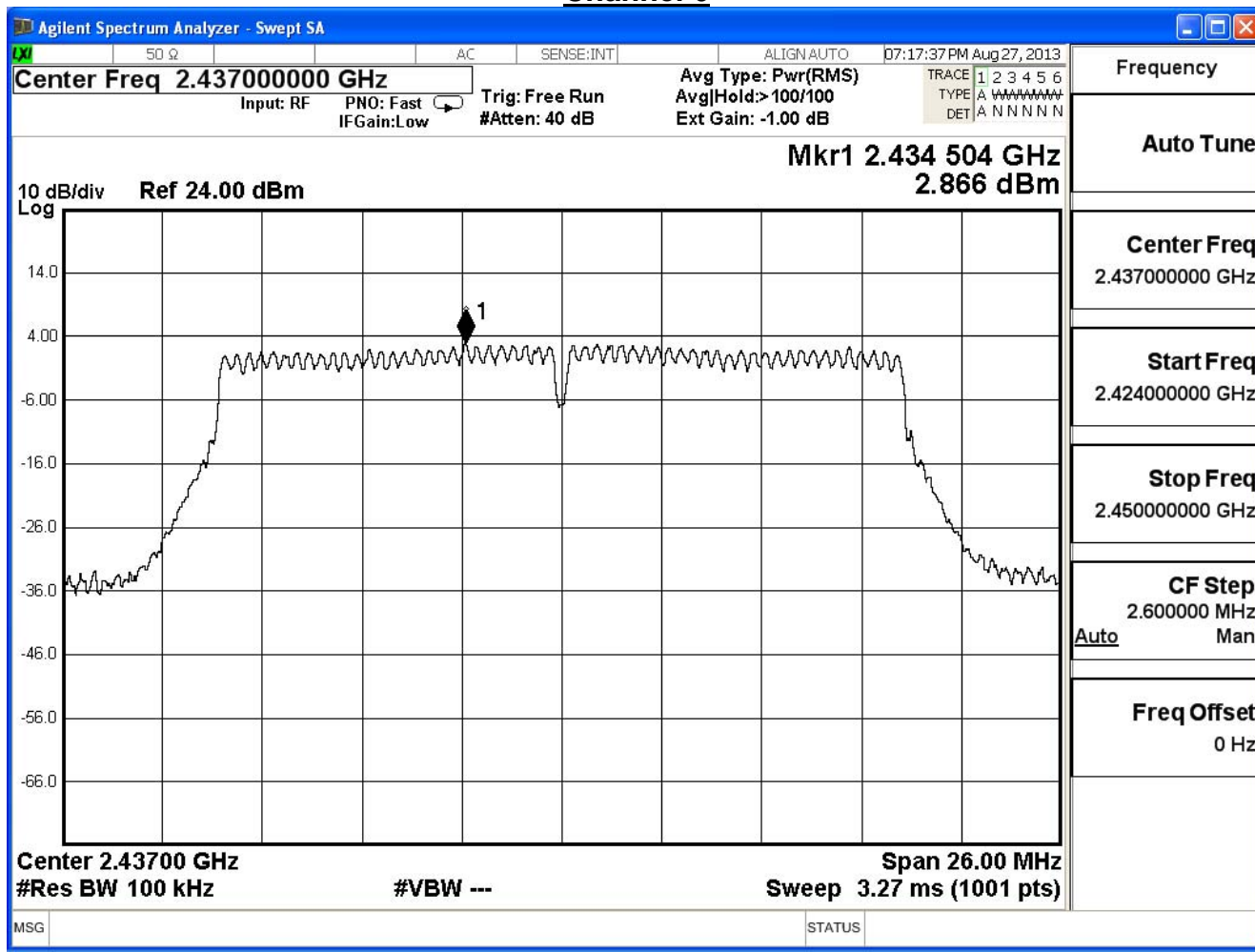
Total Gain :  $10\log(3) + \text{max Gain} = 6.68$

Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

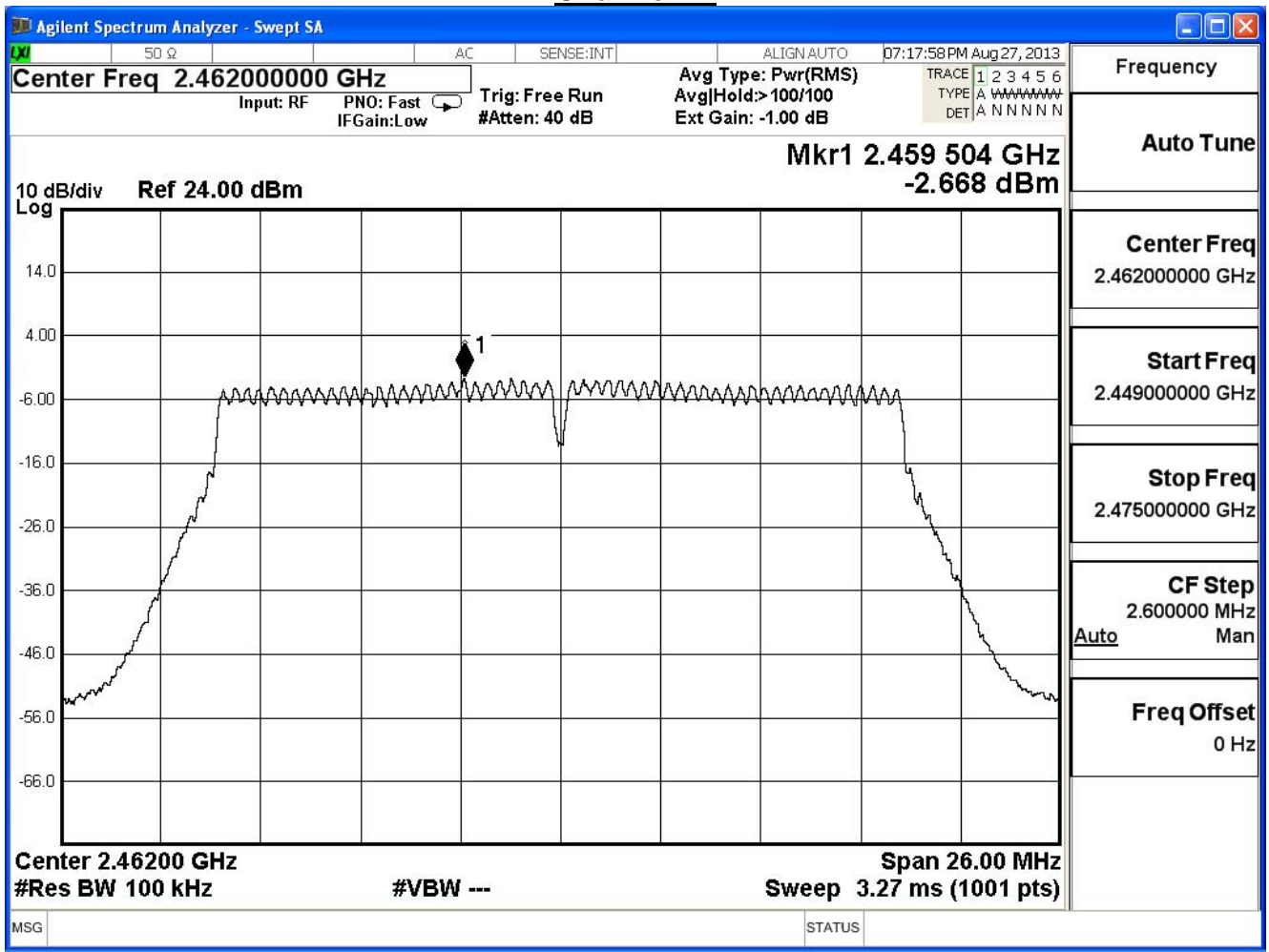
### Channel 1



Channel 6



Channel 11





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IEEE802.11n 20MHz (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-12.46	$\leq 7.32$	Pass
6	2437	-7.20	$\leq 7.32$	Pass
11	2462	-12.91	$\leq 7.32$	Pass

Note:

Total Gain :  $10\log(3)+\text{max Gain} = 6.68$

Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

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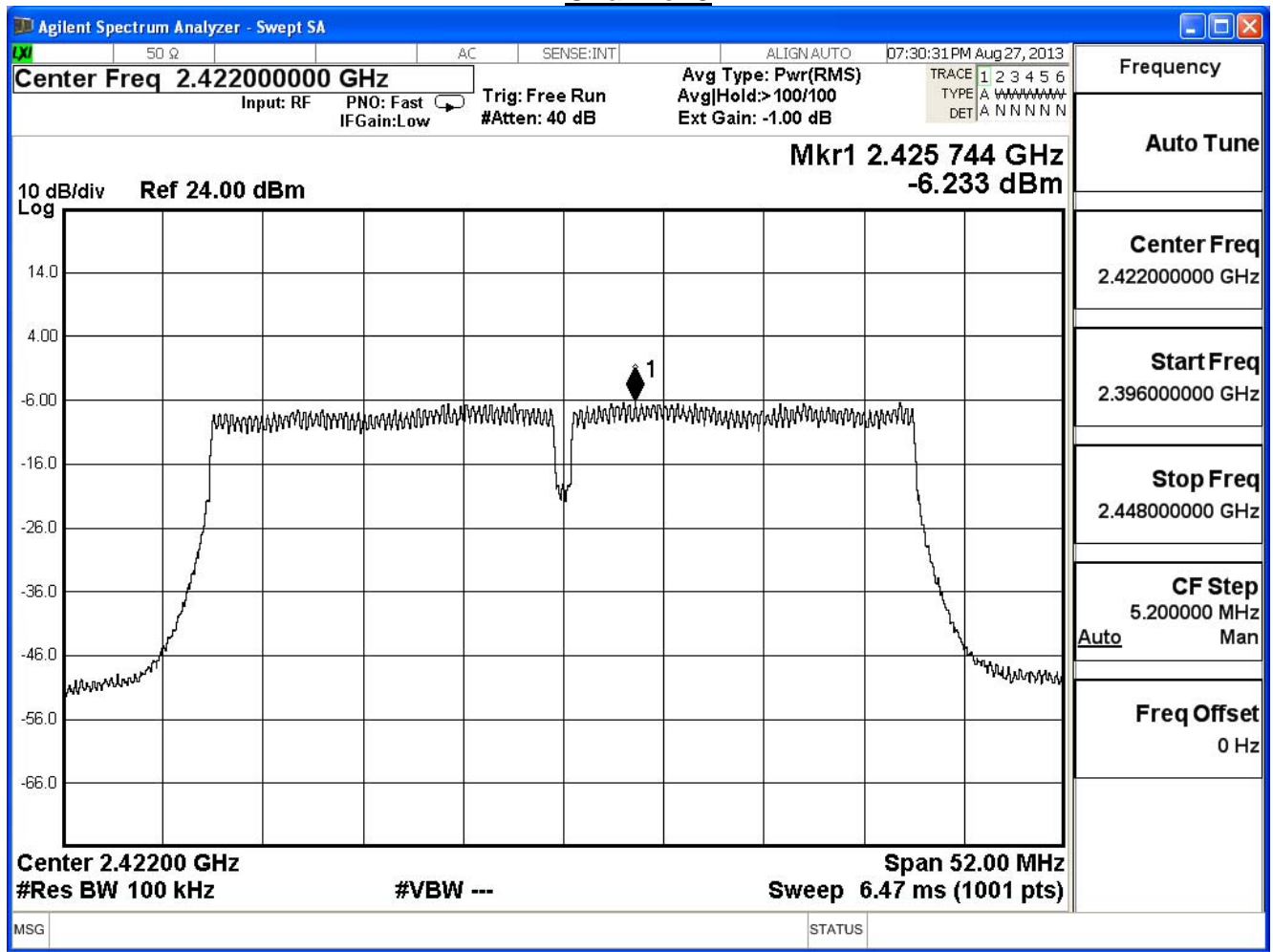
IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
3	2422	-6.23	-21.43	≤ 7.32	Pass
6	2437	-3.89	-19.09	≤ 7.32	Pass
9	2452	-6.92	-22.12	≤ 7.32	Pass

Note:

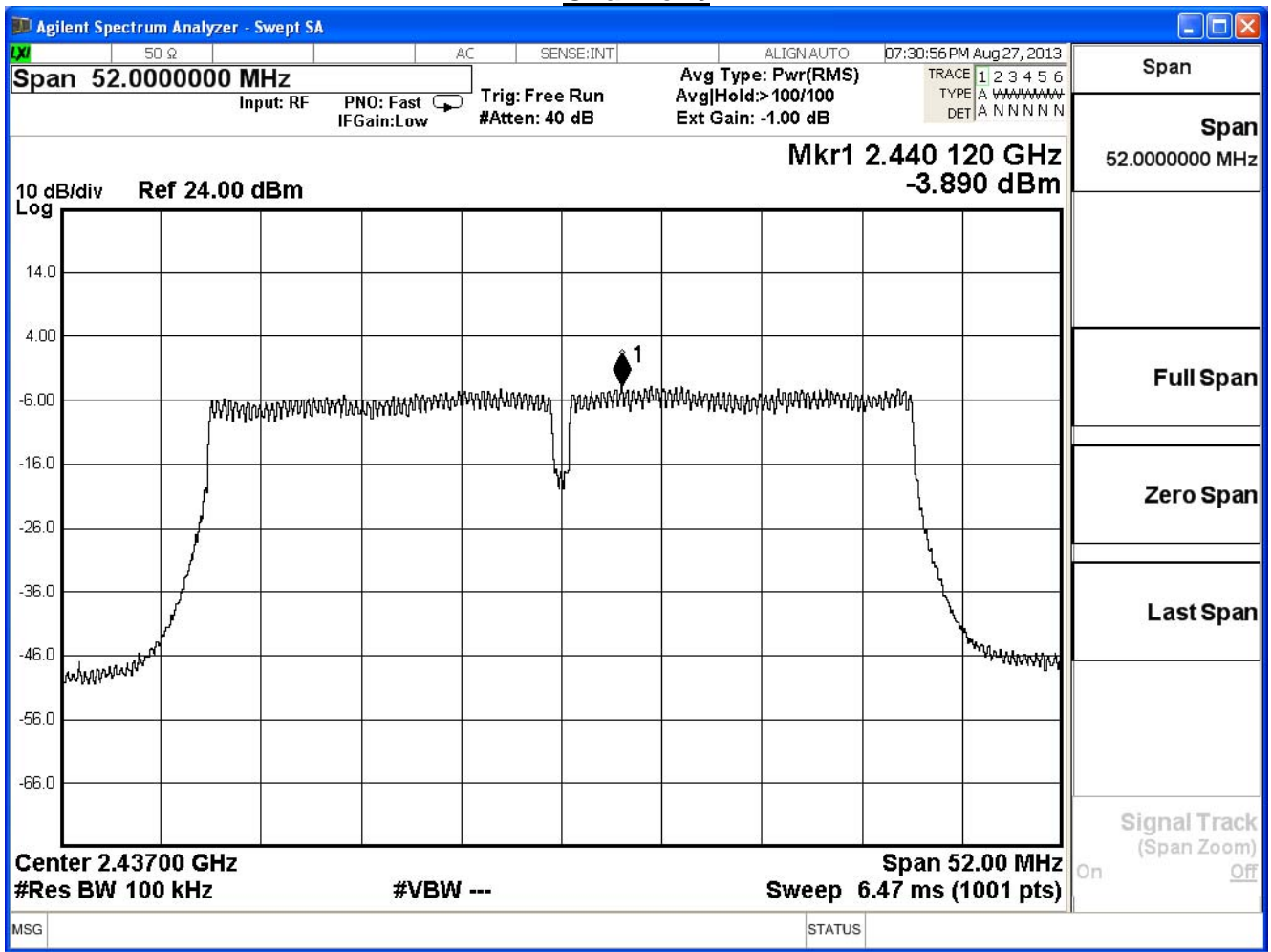
Total Gain :  $10\log(3)+\text{max Gain} = 6.68$

Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

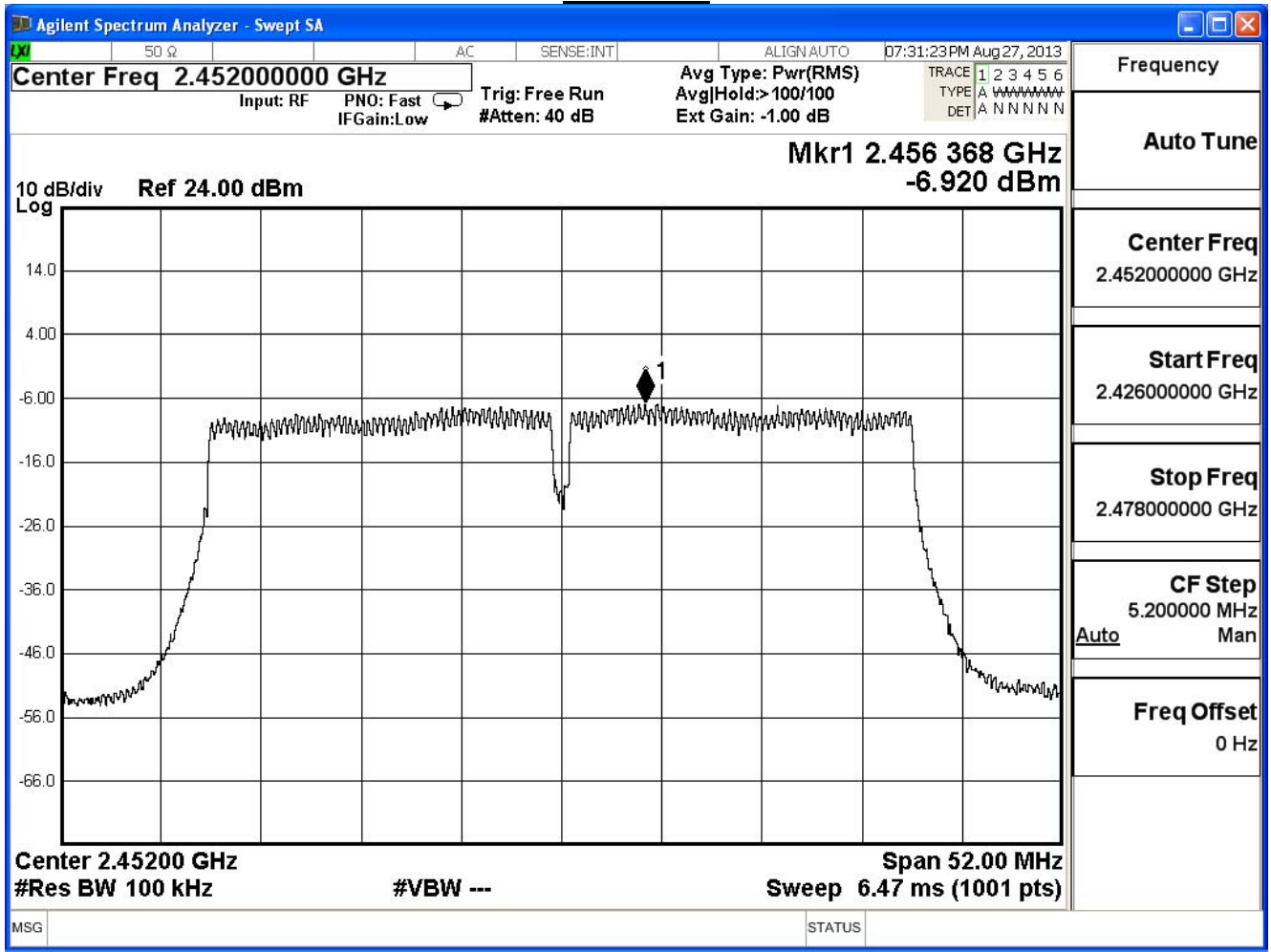
### Channel 3



Channel 6



Channel 9



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

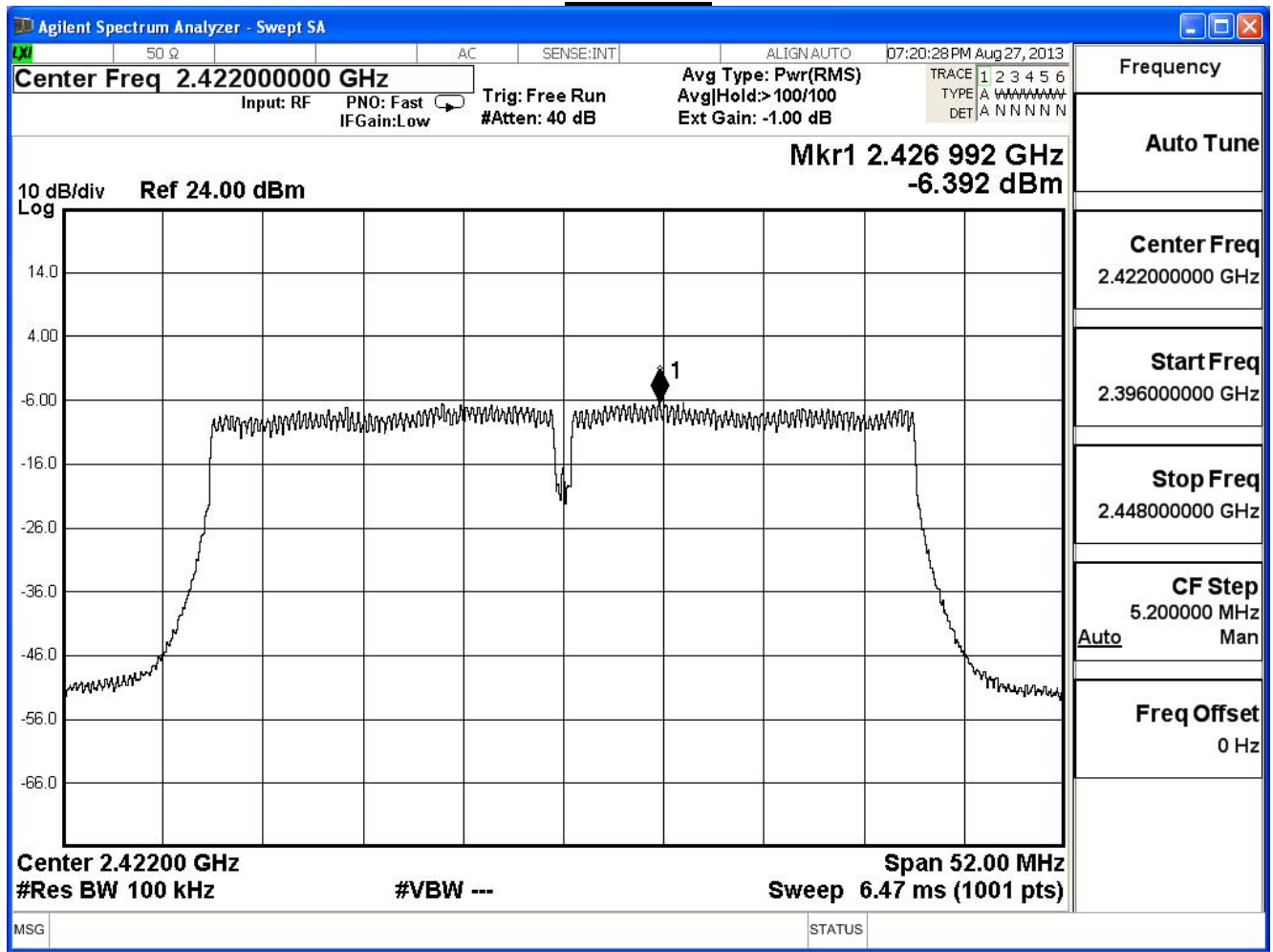
IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-6.39	-21.59	≤7.32	Pass
6	2437	-3.76	-18.96	≤7.32	Pass
9	2452	-6.72	-21.92	≤7.32	Pass

Note:

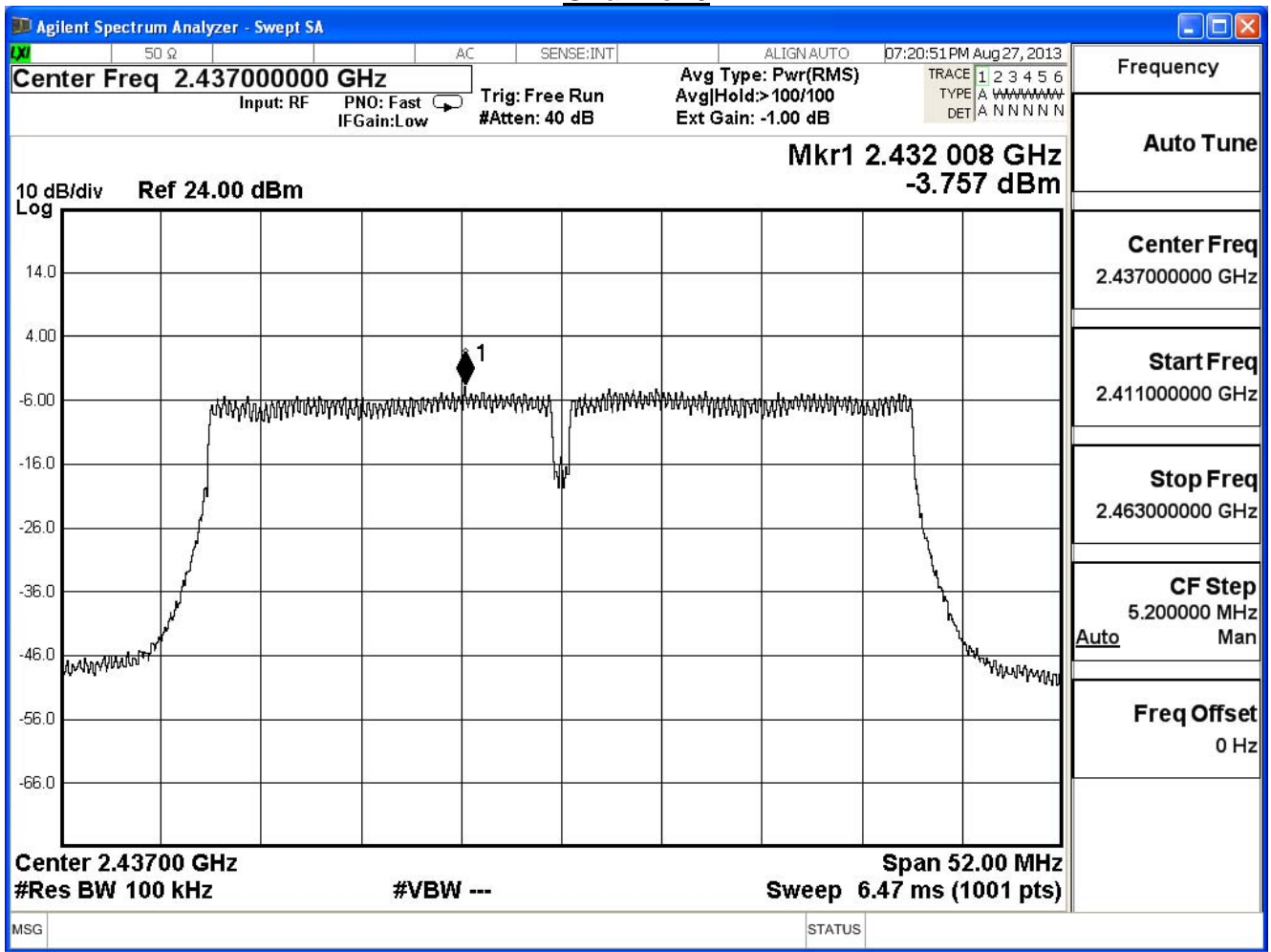
Total Gain :  $10\log(3) + \text{max Gain} = 6.68$

Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

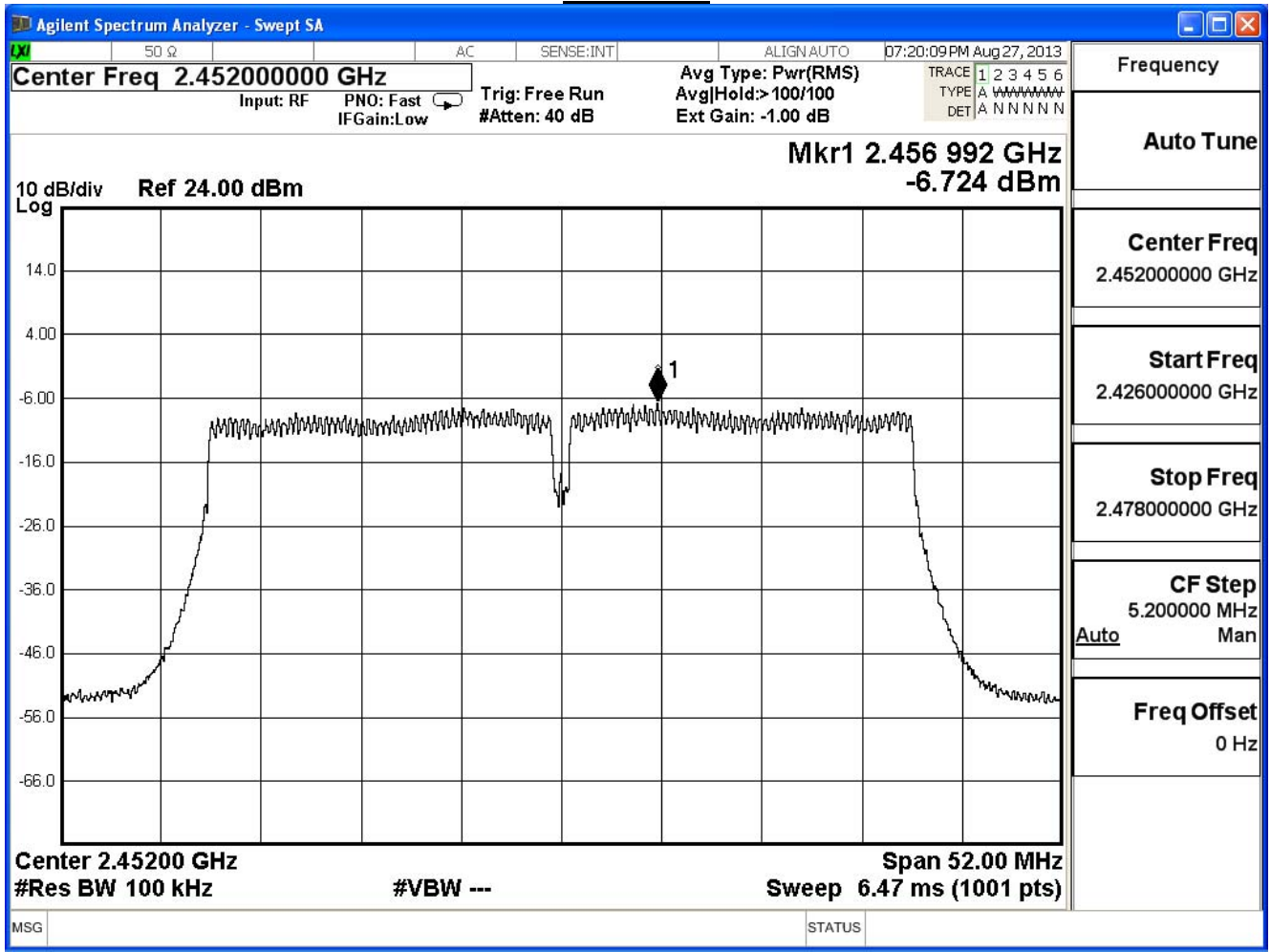
### Channel 3



Channel 6



Channel 9



Product	Wireless-AC1900 Dual Band Gigabit Router		
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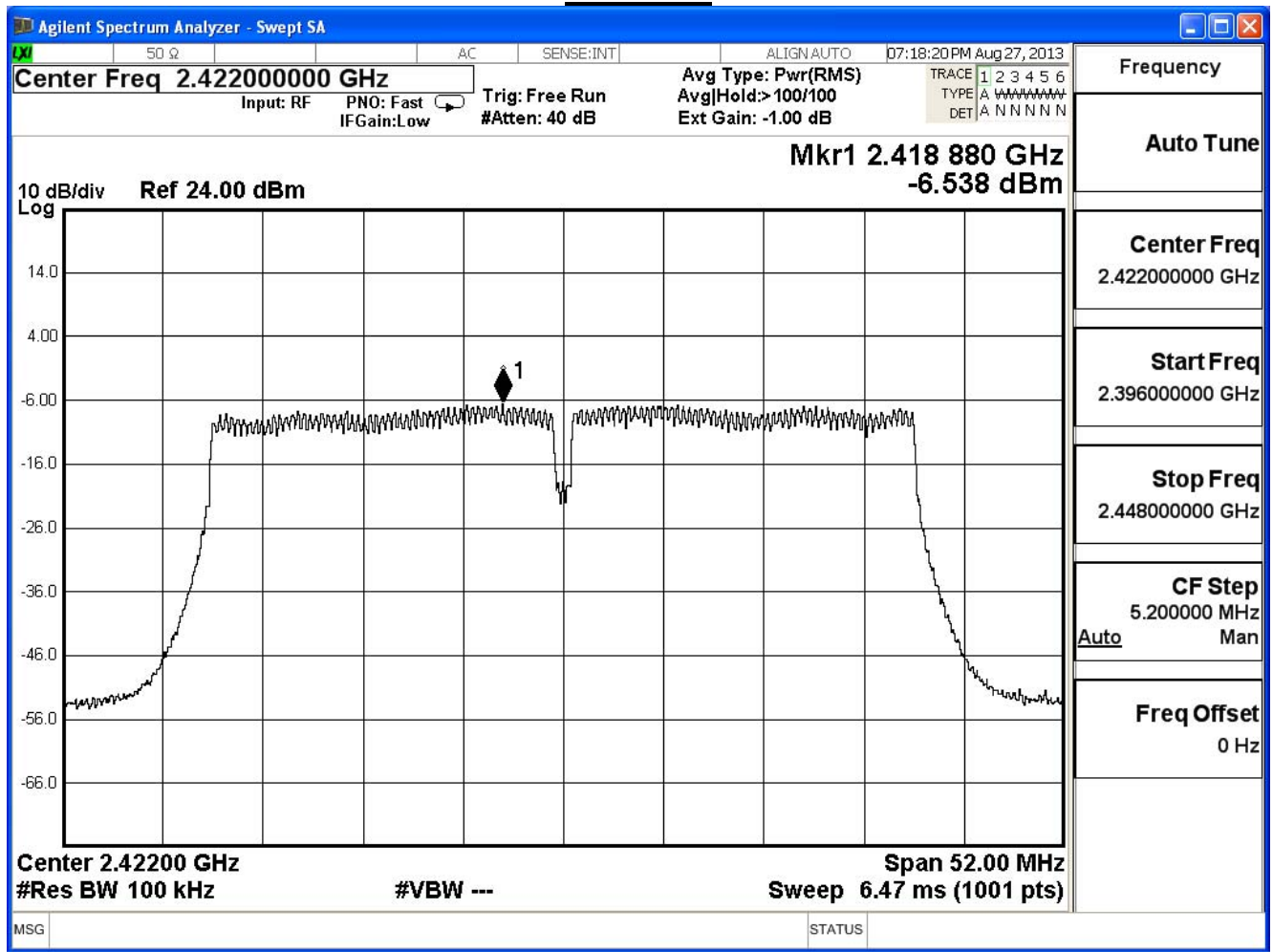
IEEE 802.11n_40MHz (ANT 2)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-6.54	-21.74	≤7.32	Pass
6	2437	-4.07	-19.27	≤7.32	Pass
9	2452	-7.22	-22.42	≤7.32	Pass

Note:

Total Gain :  $10\log(3)+\text{max Gain} = 6.68$

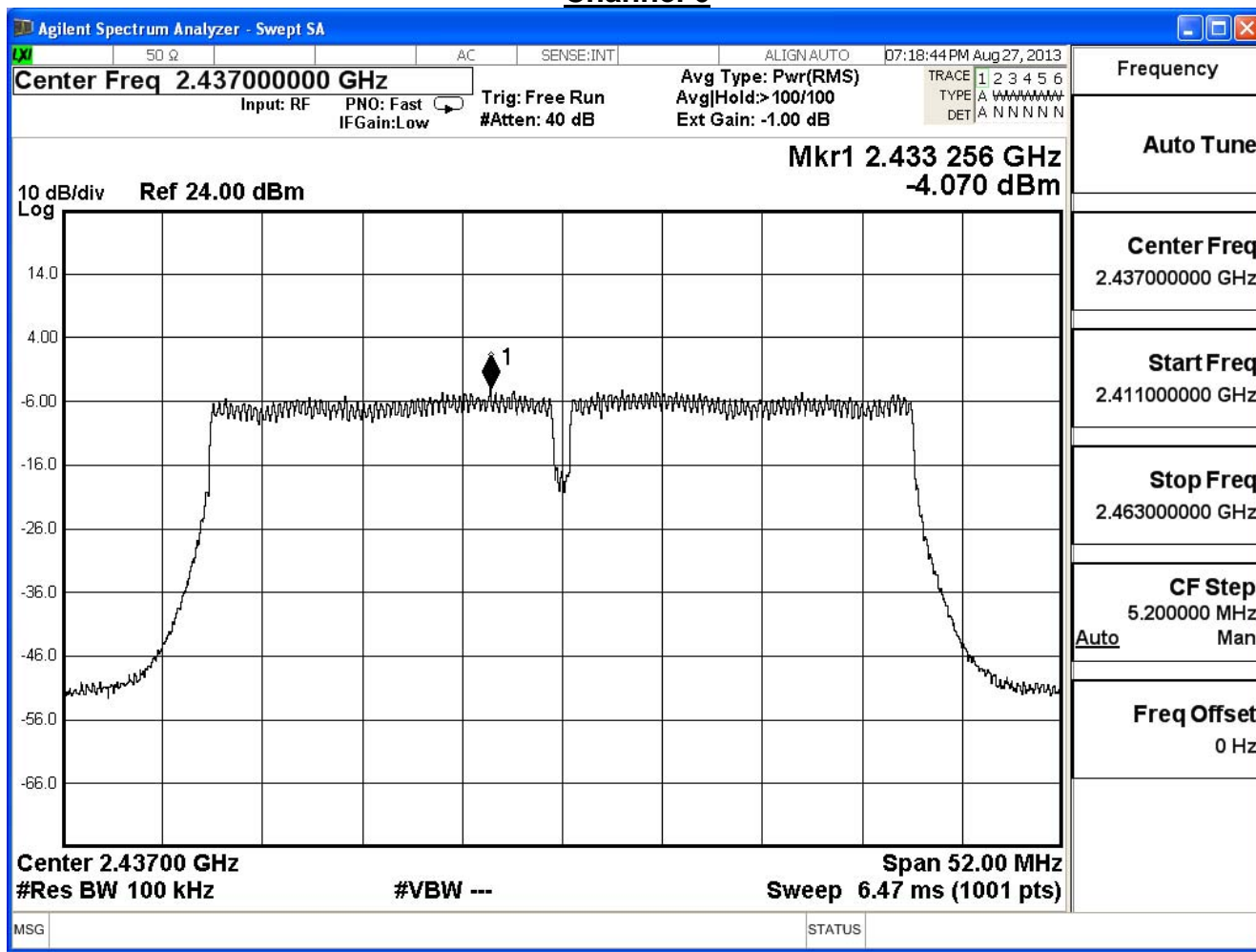
Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

### Channel 3

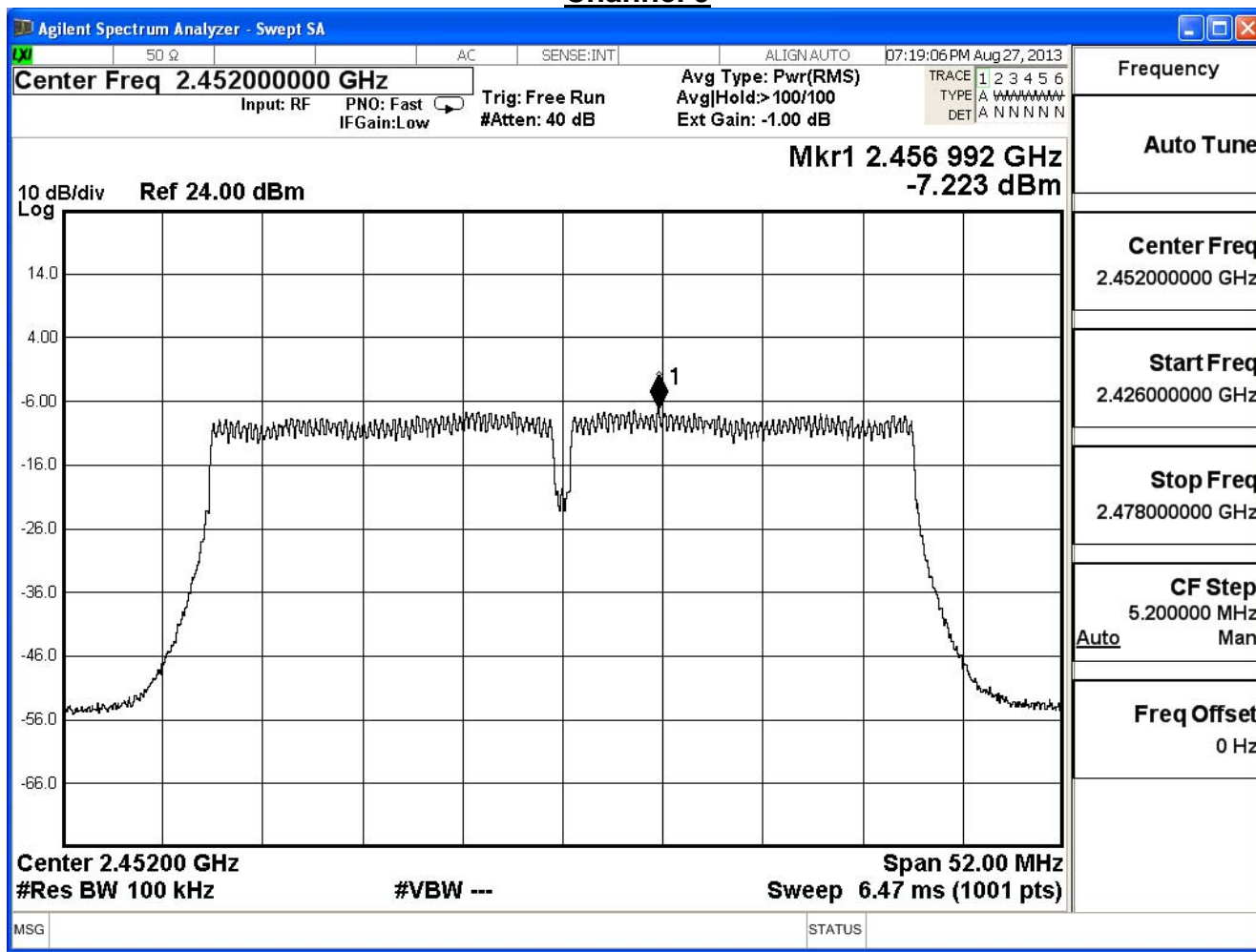




Channel 6



## Channel 9



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Test Mode	Mode 1: Transmit (CDD Mode)_Adapter: EXA1206UH		
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IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-16.81	$\leq 7.32$	Pass
6	2437	-14.33	$\leq 7.32$	Pass
9	2452	-17.38	$\leq 7.32$	Pass

Note:

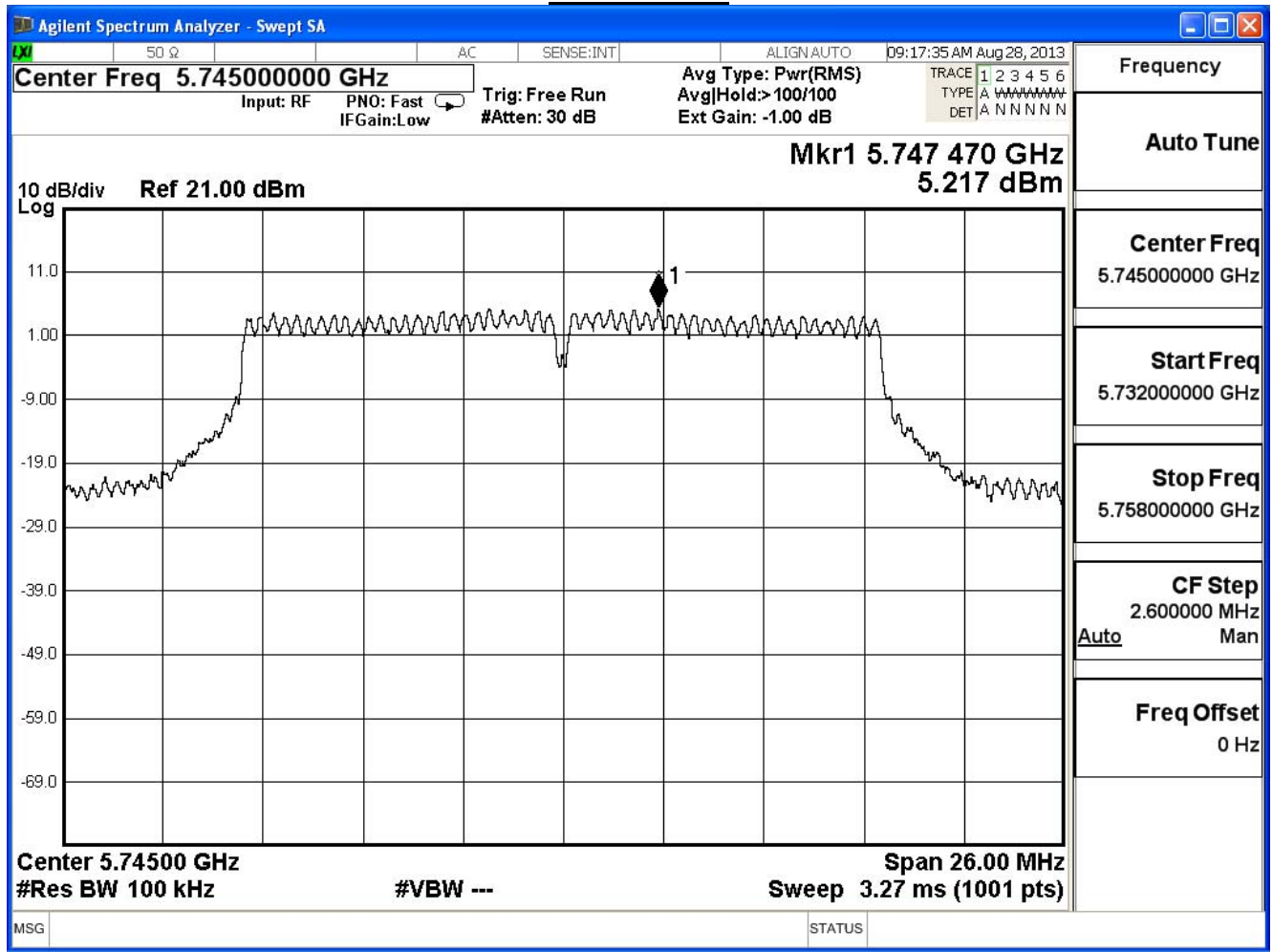
Total Gain :  $10\log(3)+\max \text{ Gain} = 6.68$

Required Limit =  $8\text{dBm} - (6.68 - 6\text{dBi}) = 7.32$

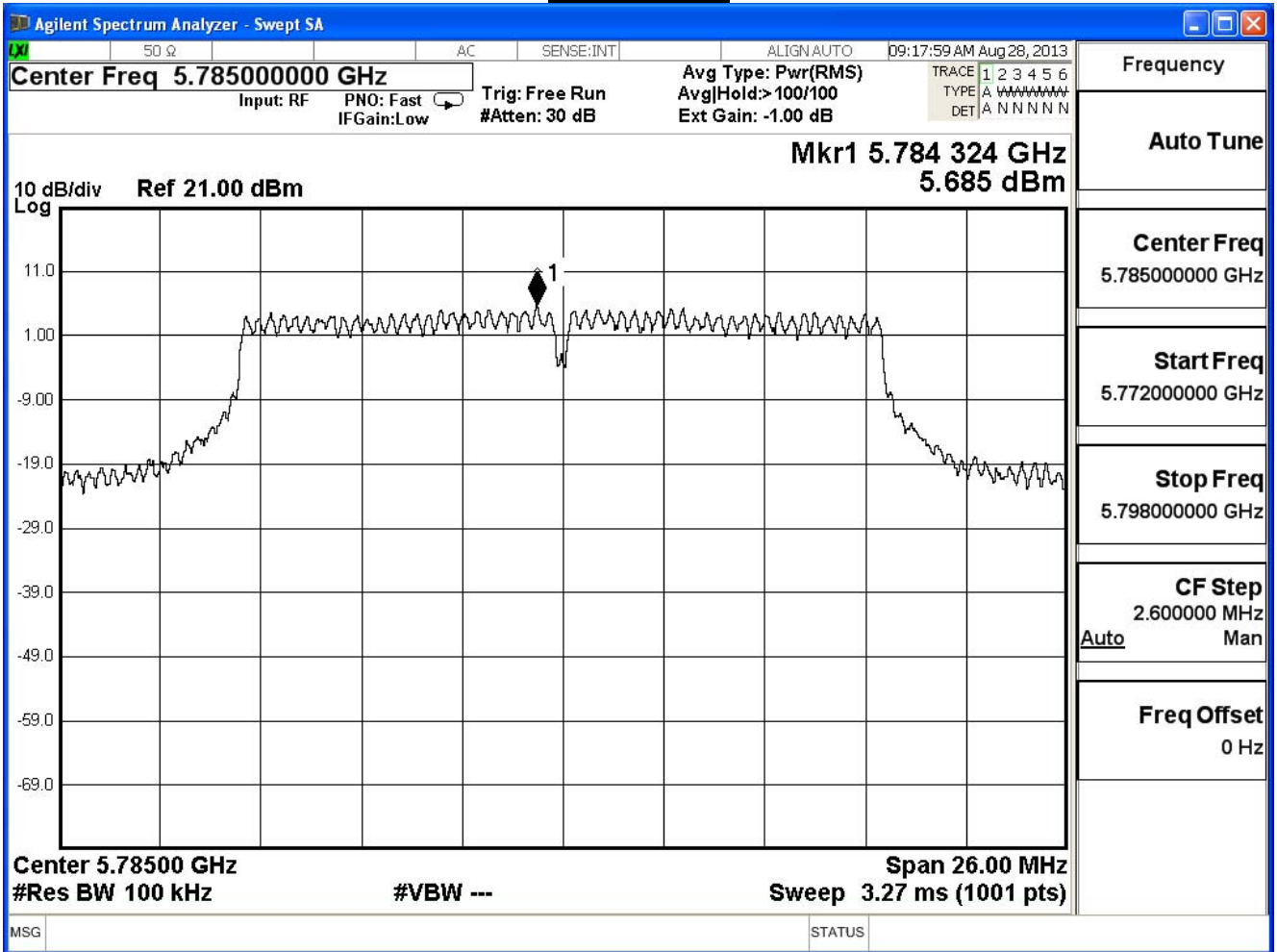
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IEEE 802.11a (ANT0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	5.22	-9.98	≤ 8	Pass
157	5785	5.69	-9.52	≤ 8	Pass
165	5825	5.28	-9.92	≤ 8	Pass

### Channel 149



Channel 157



Channel 165

