

8. Occupied Bandwidth

8.1. Test Equipment

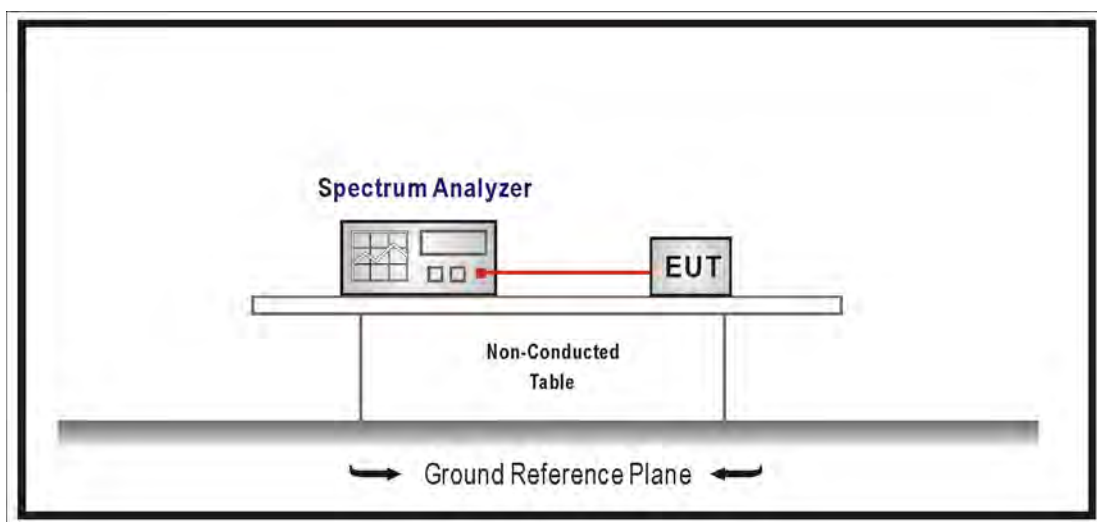
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

8.2. Test Setup



8.3. Test Procedures

The EUT was setup according to ANSI C63.10; tested according to DTS test procedure of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1-5% of the OBW, Set the VBW $\geq 3 \times$ RBW, Sweep Time=Auto.

8.4. Limits

NA

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

8.6. Uncertainty

The measurement uncertainty is defined as $\pm 150\text{Hz}$

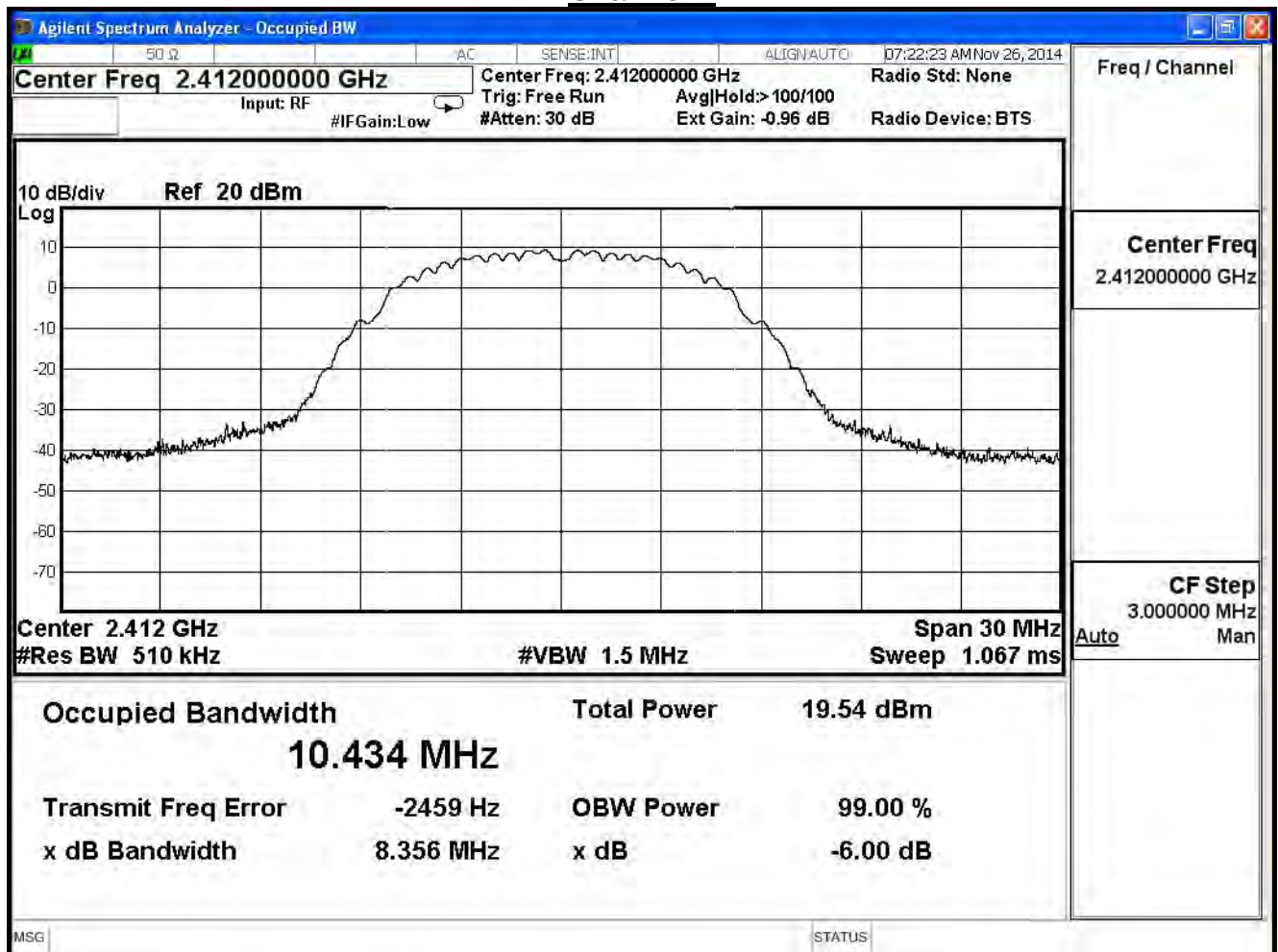
8.7. Test Result

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

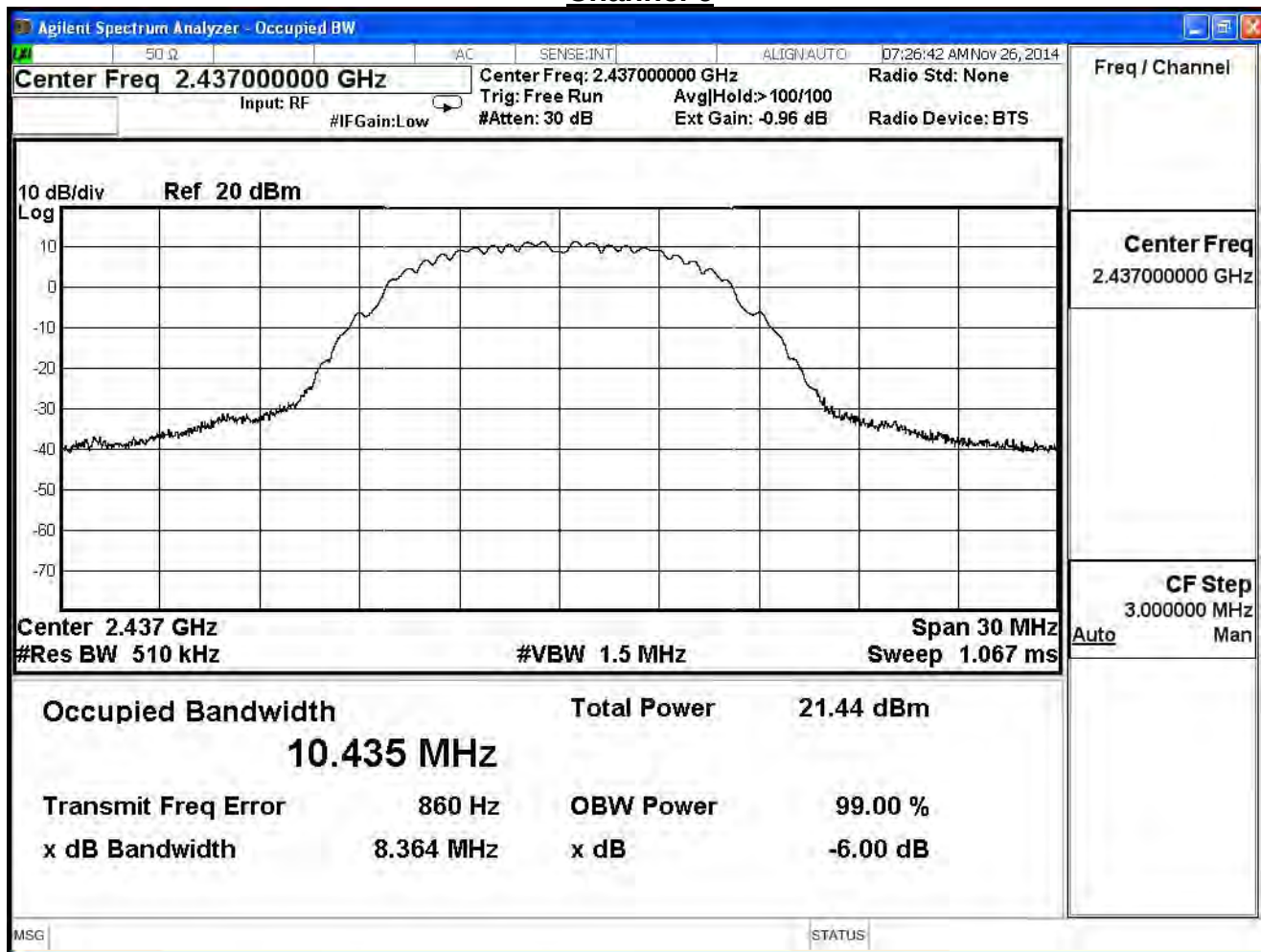
802.11 b (ANT 0)

Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	10.434	--	Pass
6	2437	10.435	--	Pass
11	2462	10.445	--	Pass

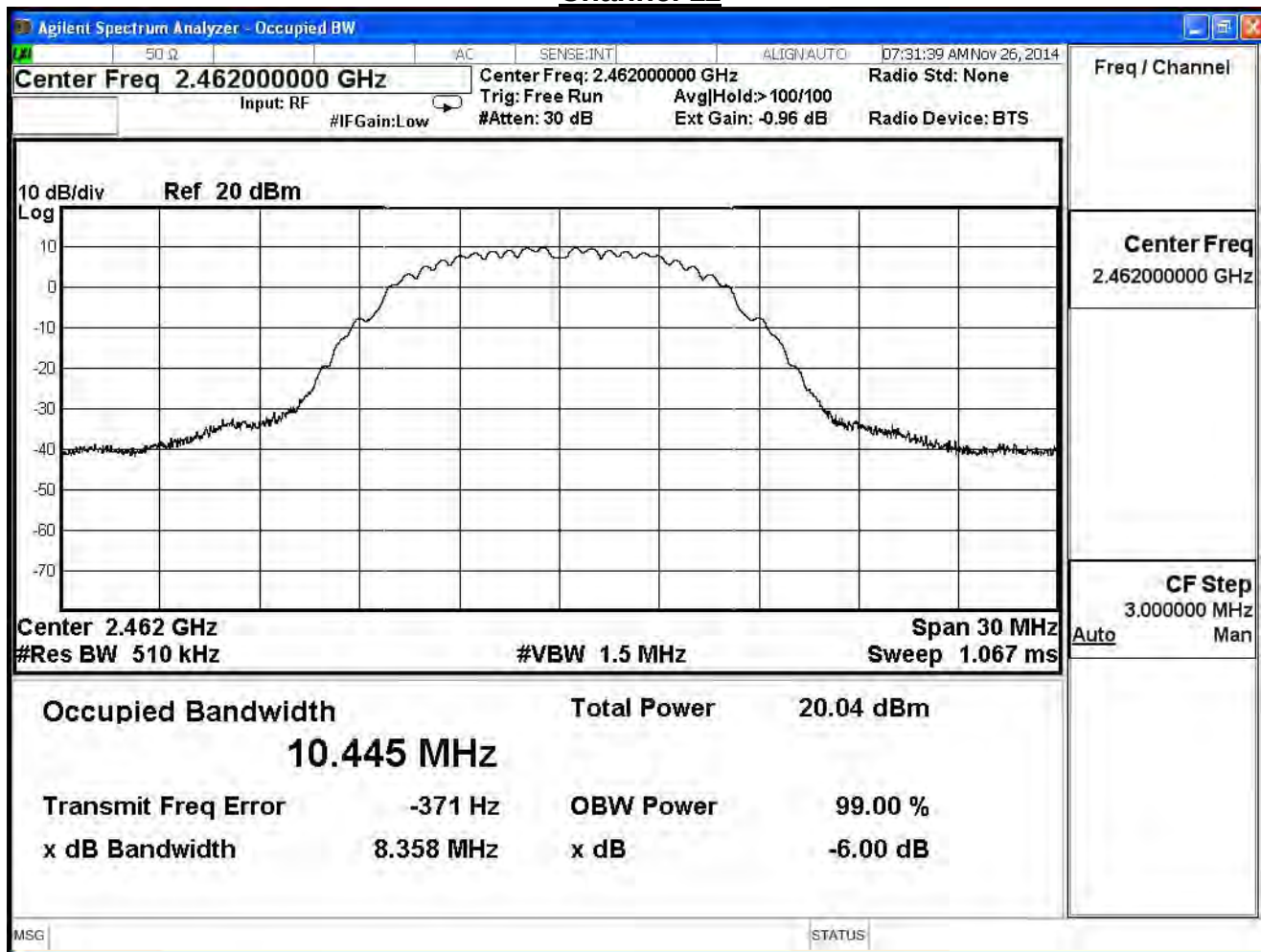
Channel 1



Channel 6



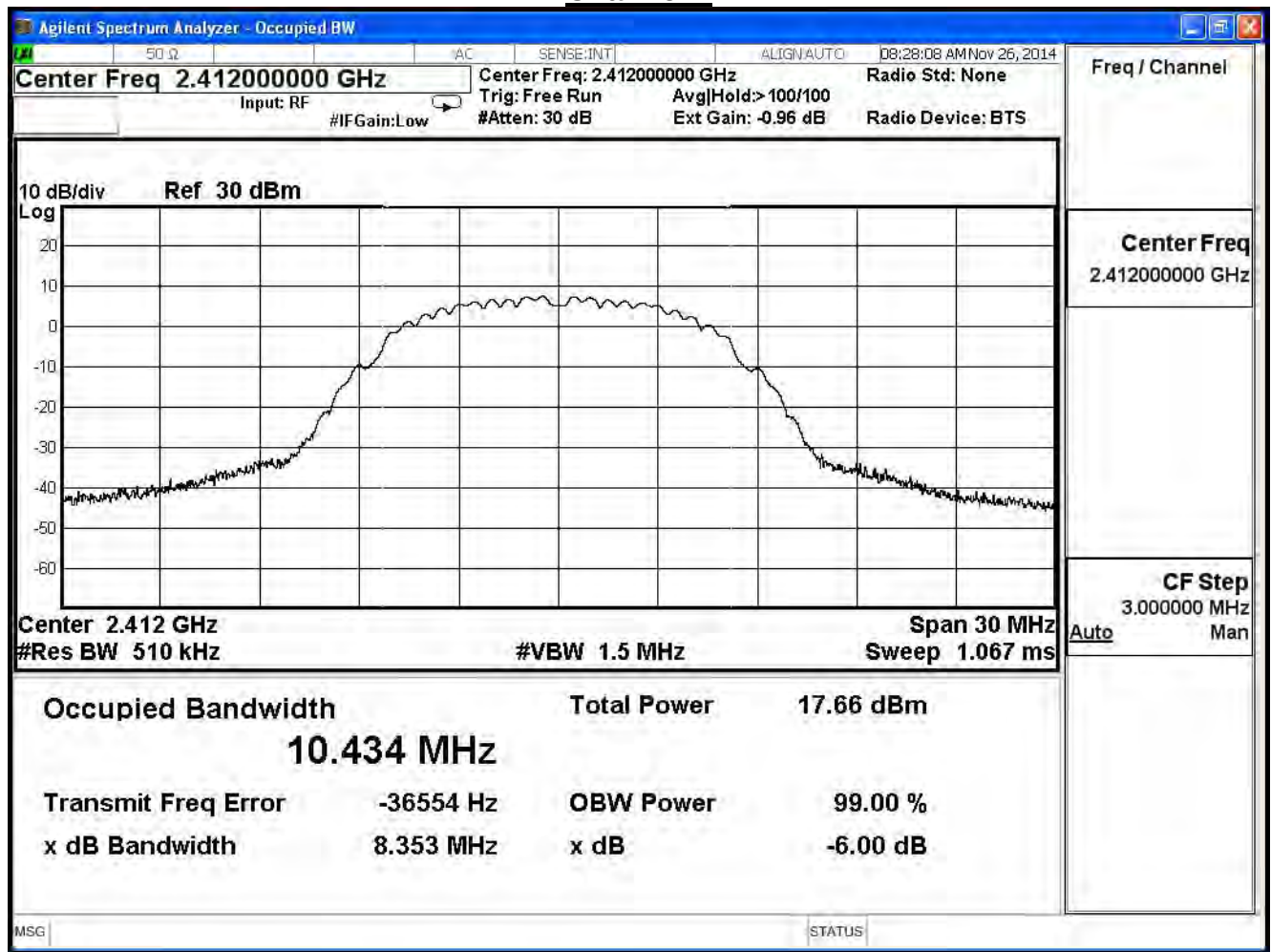
Channel 11



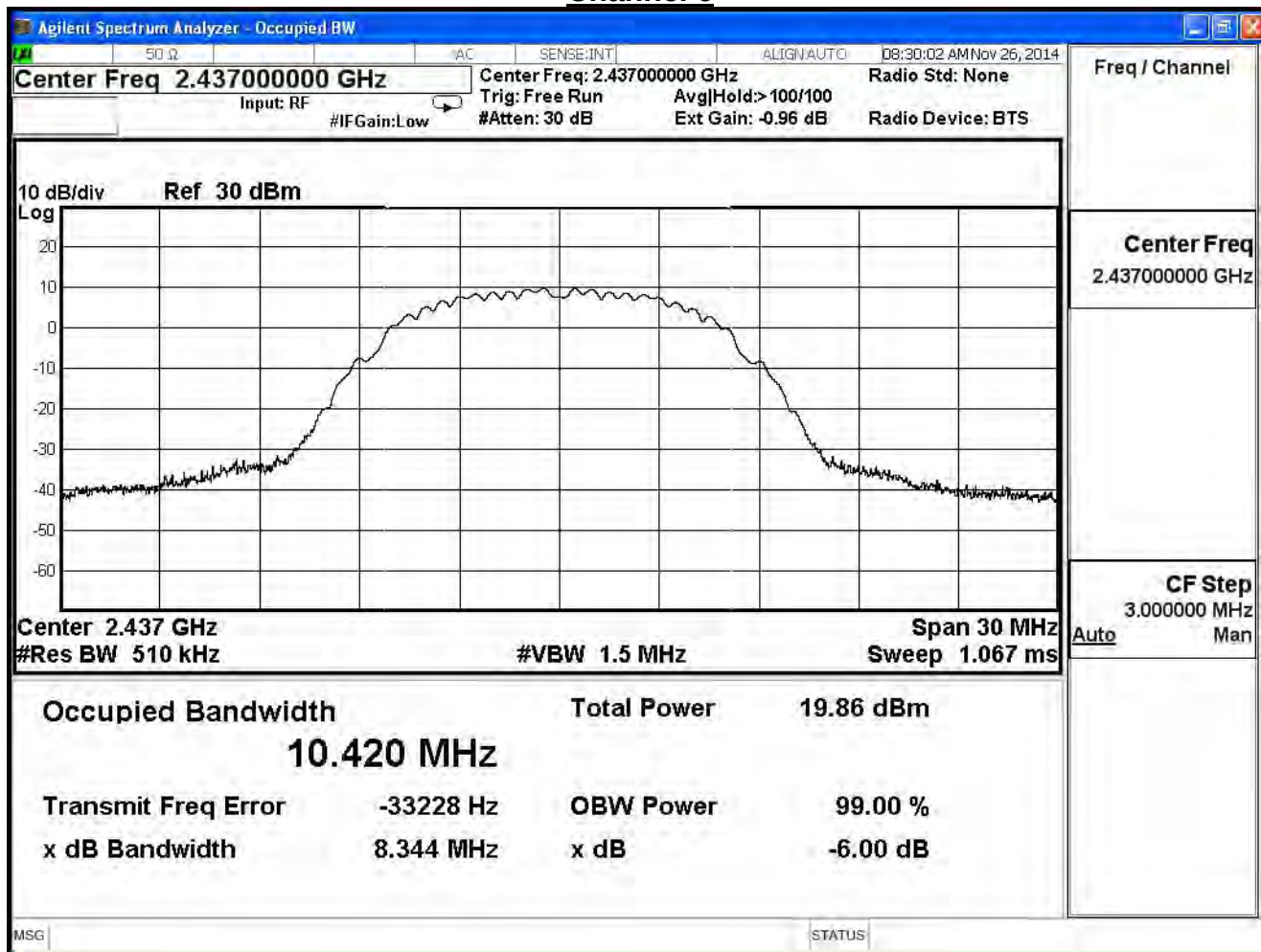
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

802.11 b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	10.434	--	Pass
6	2437	10.420	--	Pass
11	2462	10.421	--	Pass

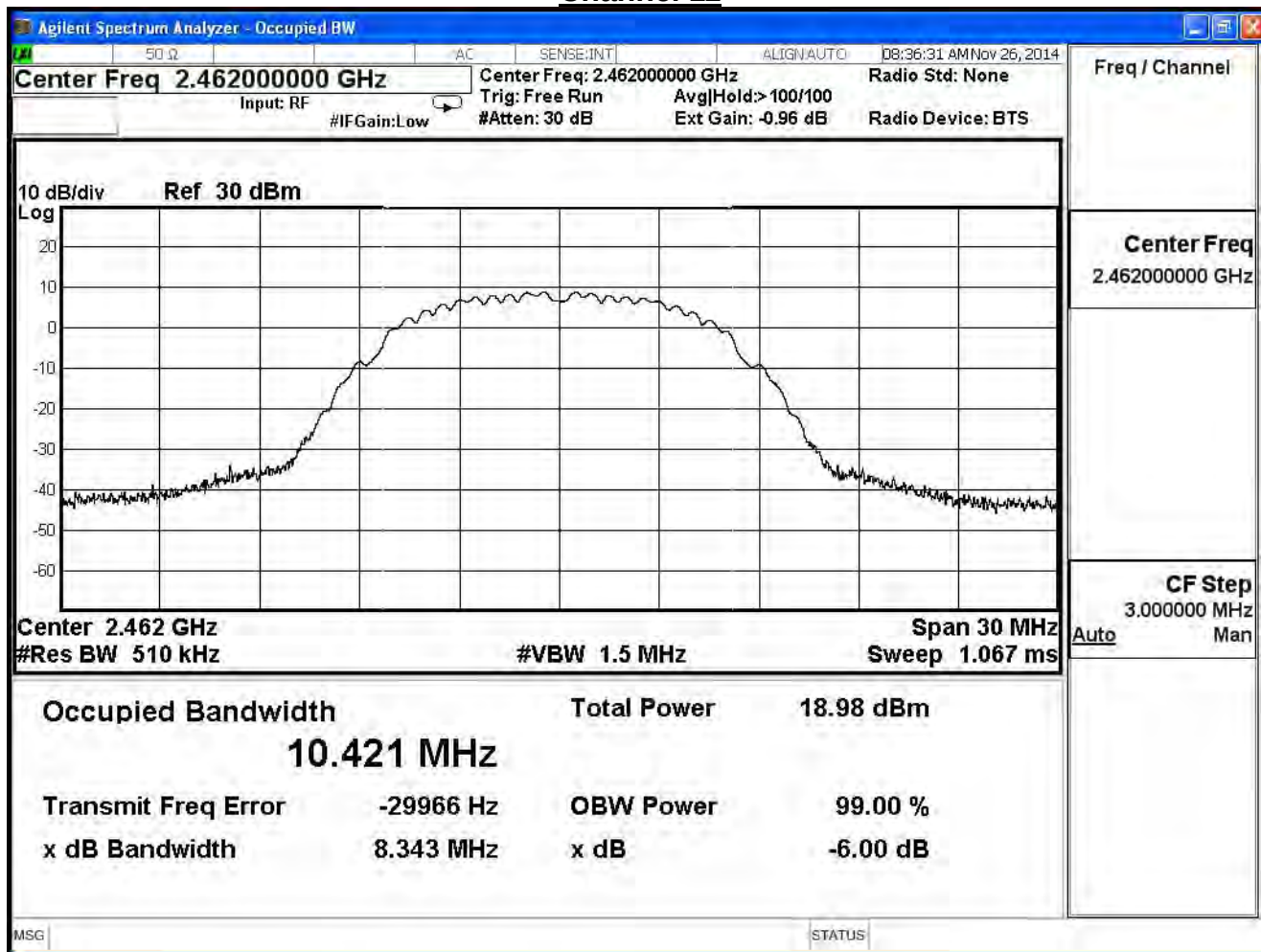
Channel 1



Channel 6



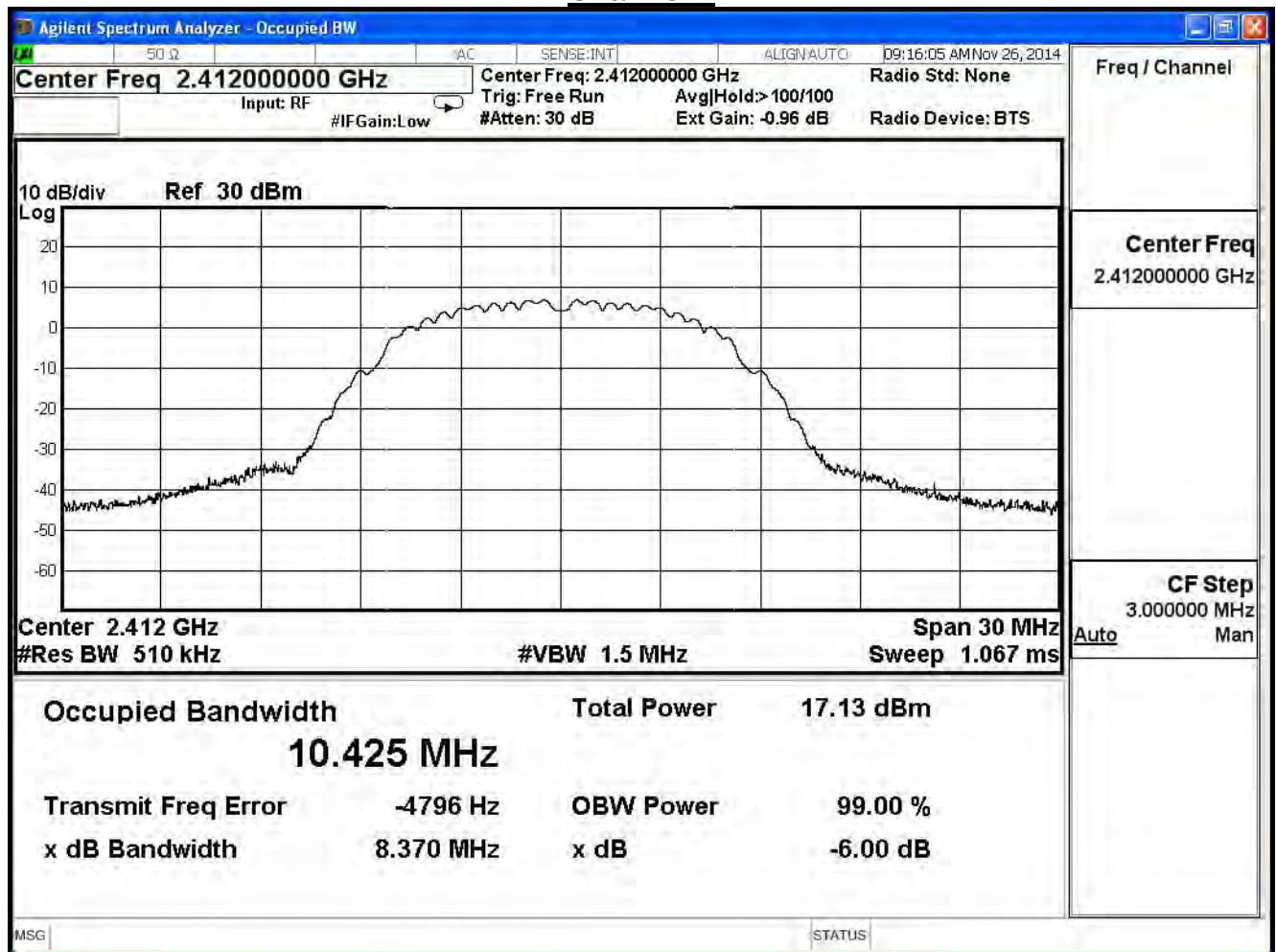
Channel 11



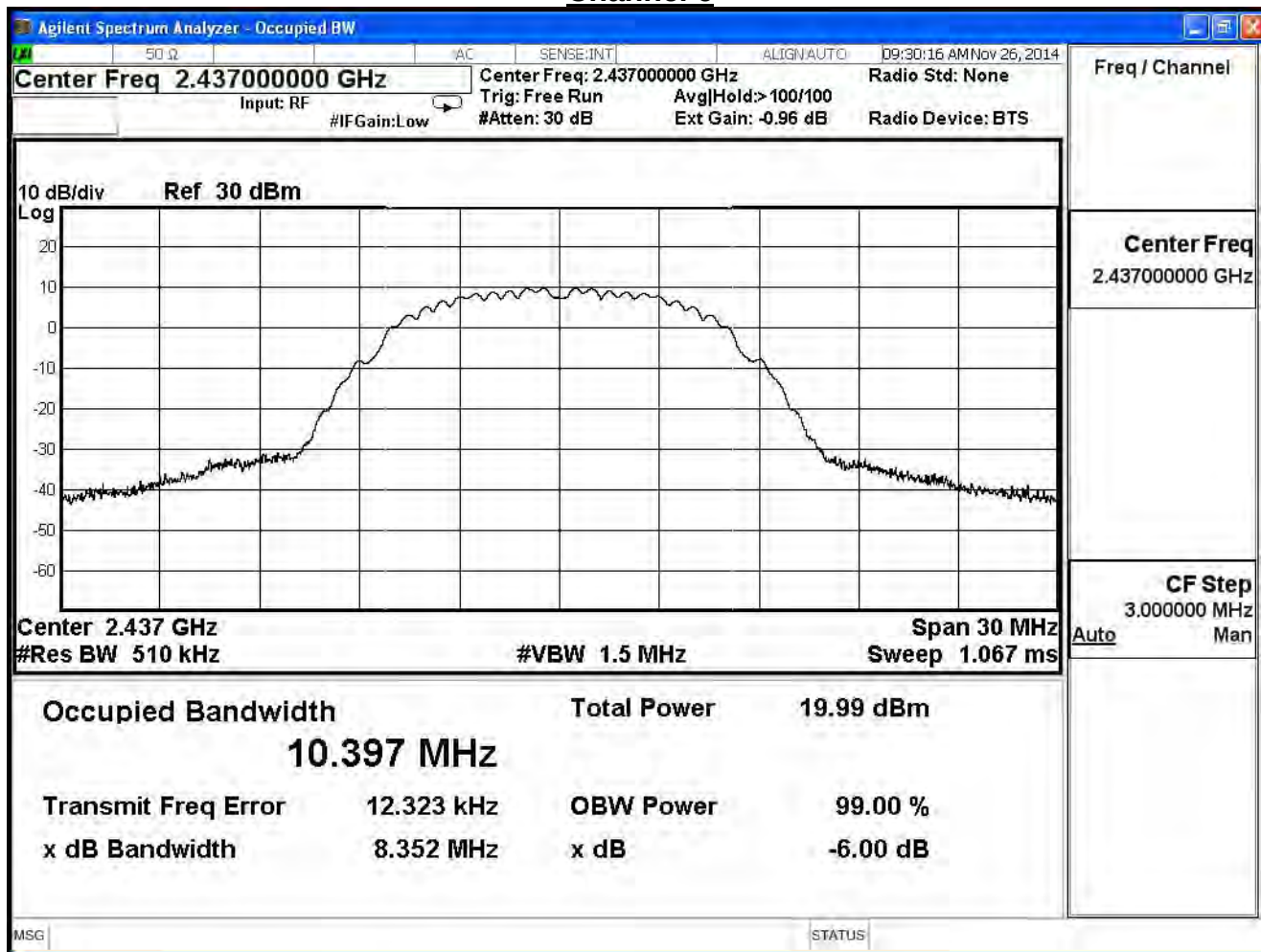
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

802.11 b (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	10.425	--	Pass
6	2437	10.397	--	Pass
11	2462	10.407	--	Pass

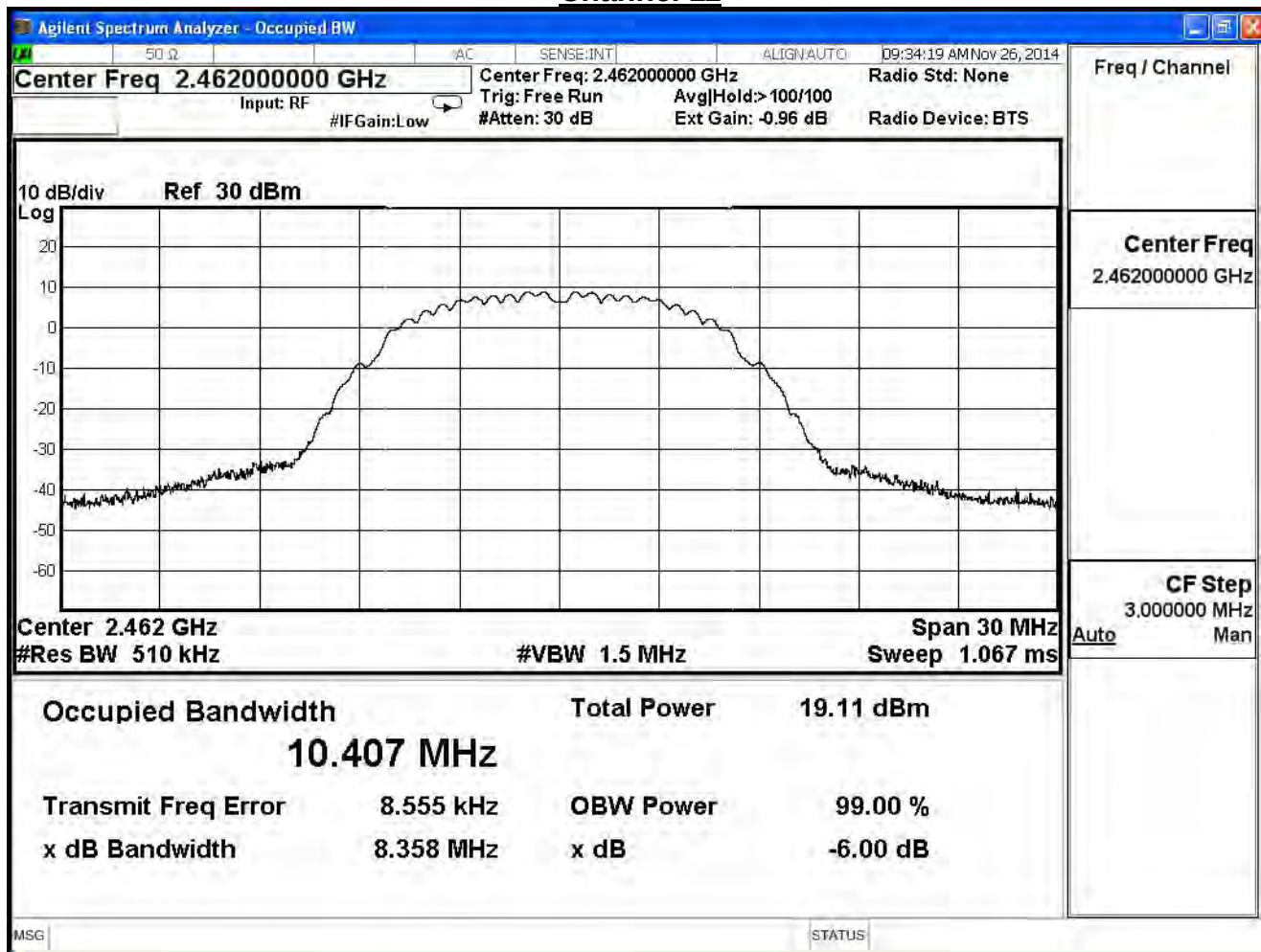
Channel 1



Channel 6



Channel 11

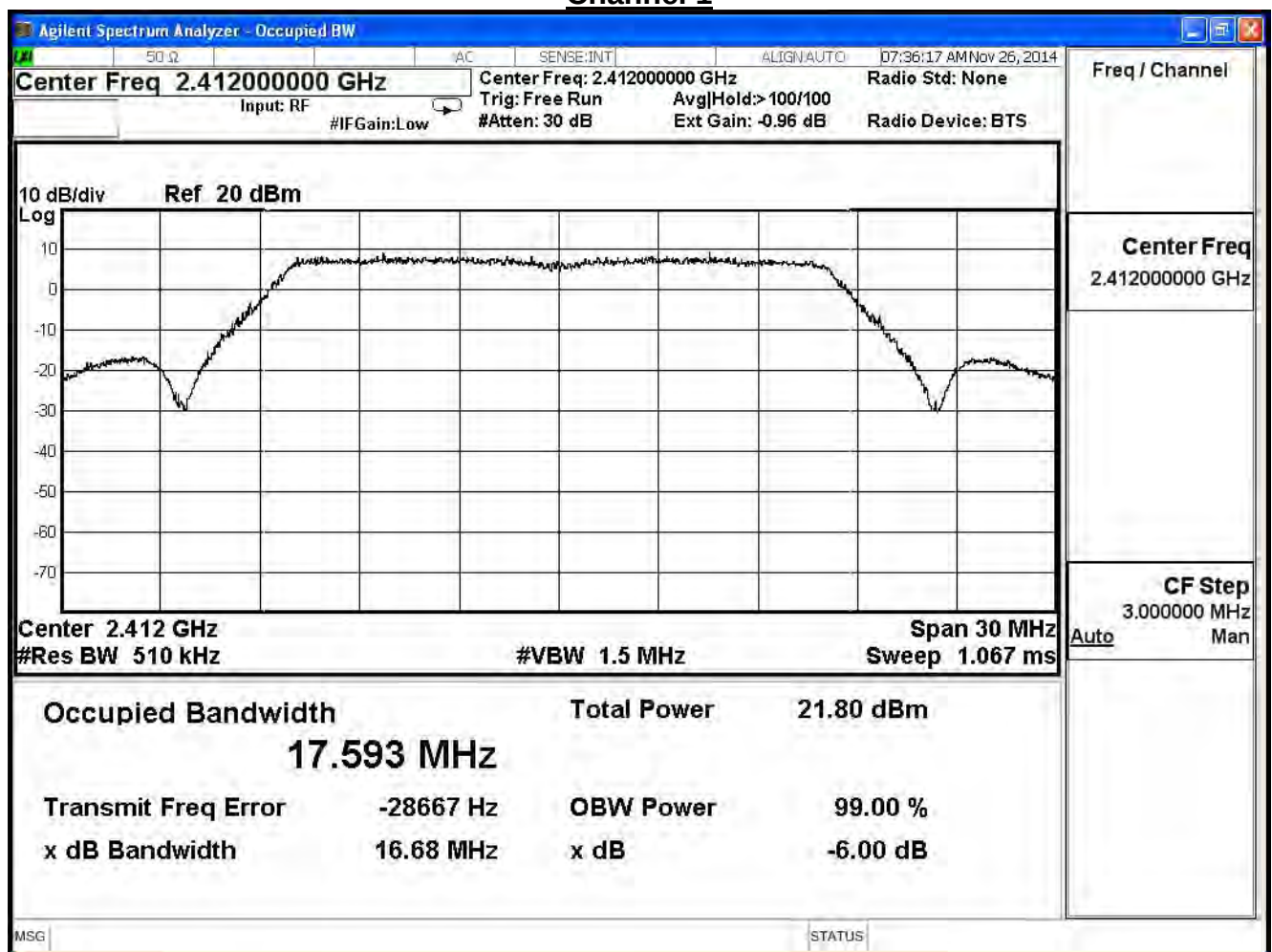


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

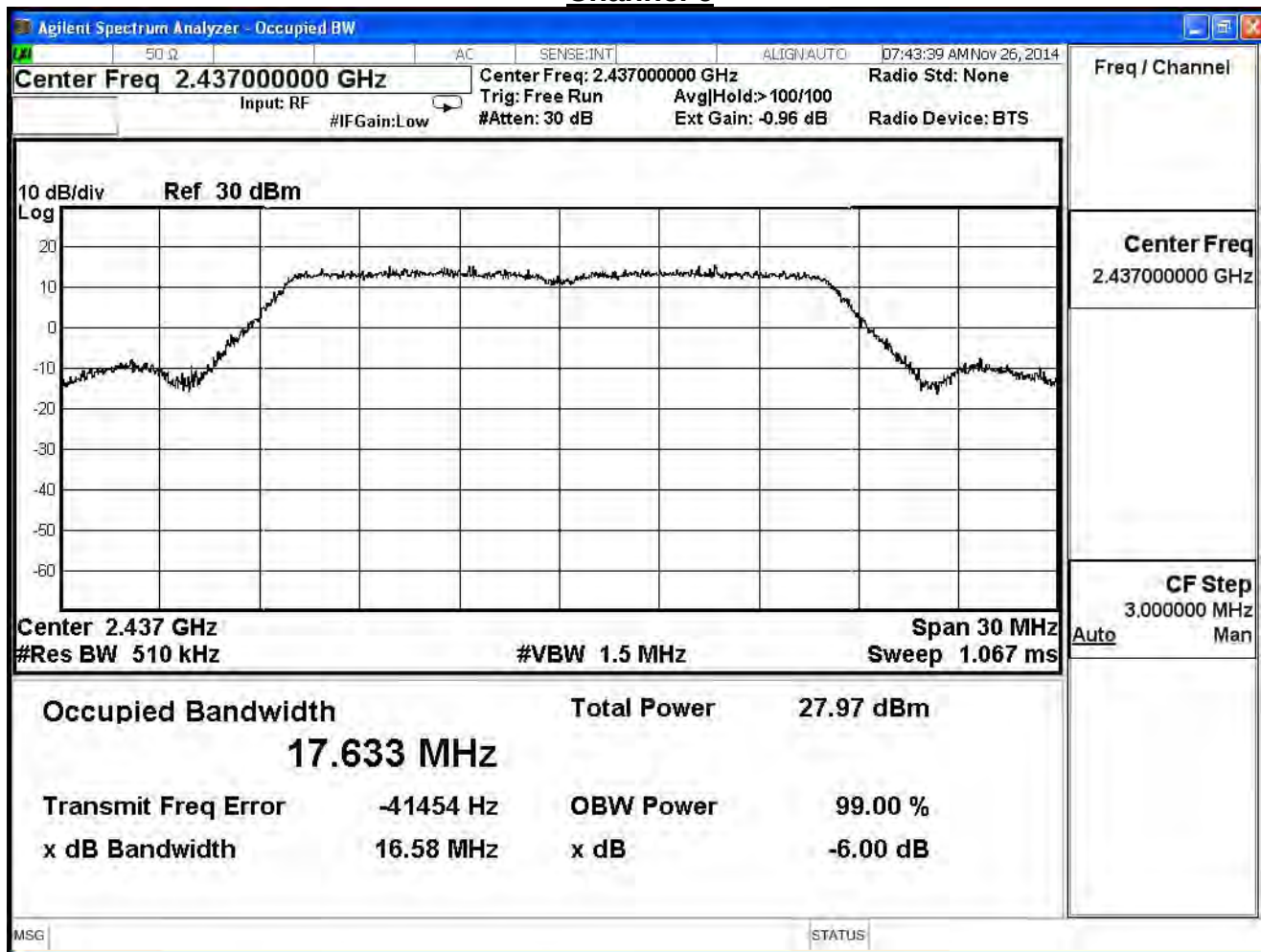
IEEE 802.11g (ANT 0)

Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	17.593	--	Pass
6	2437	17.633	--	Pass
11	2462	17.578	--	Pass

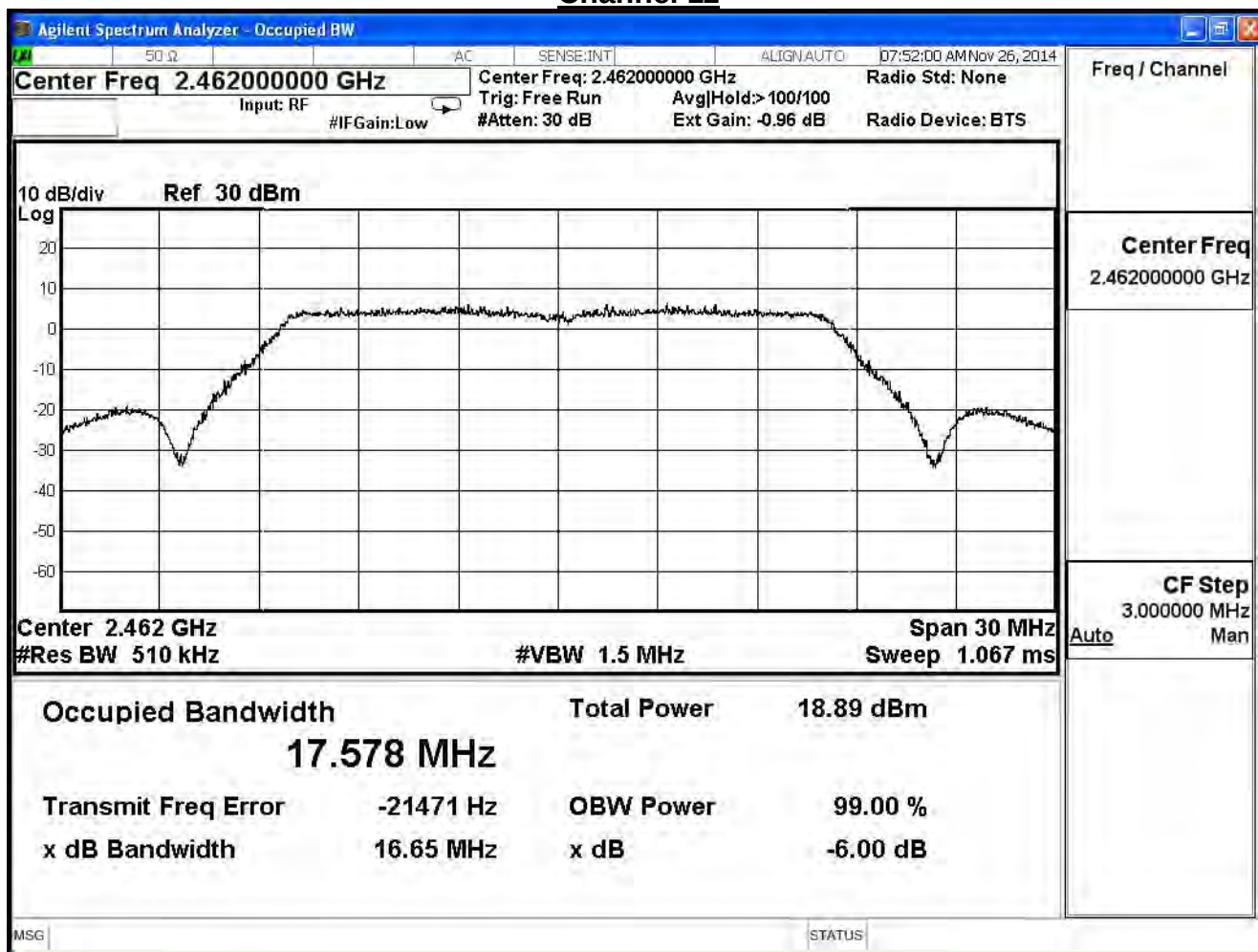
Channel 1



Channel 6



Channel 11

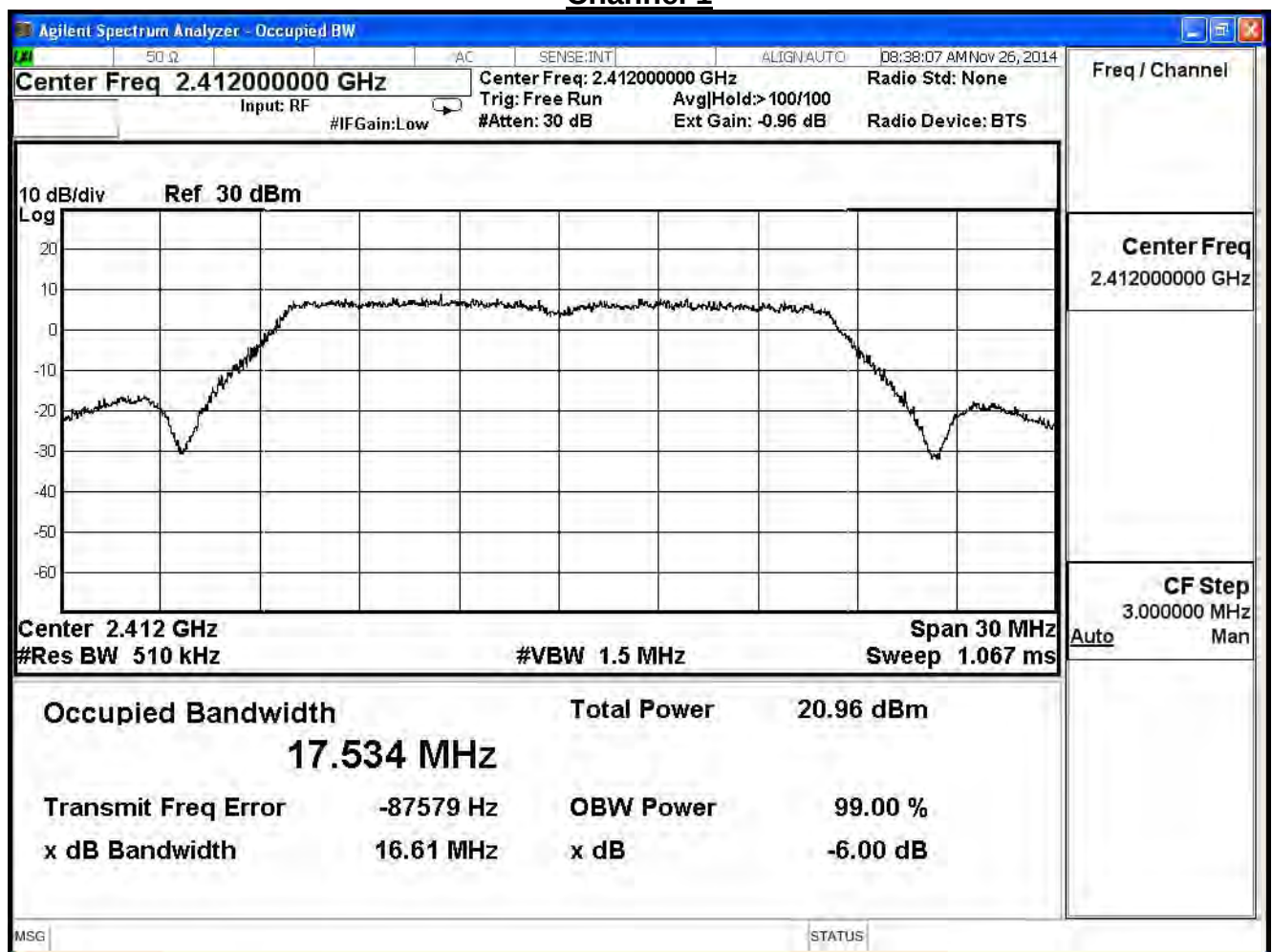


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

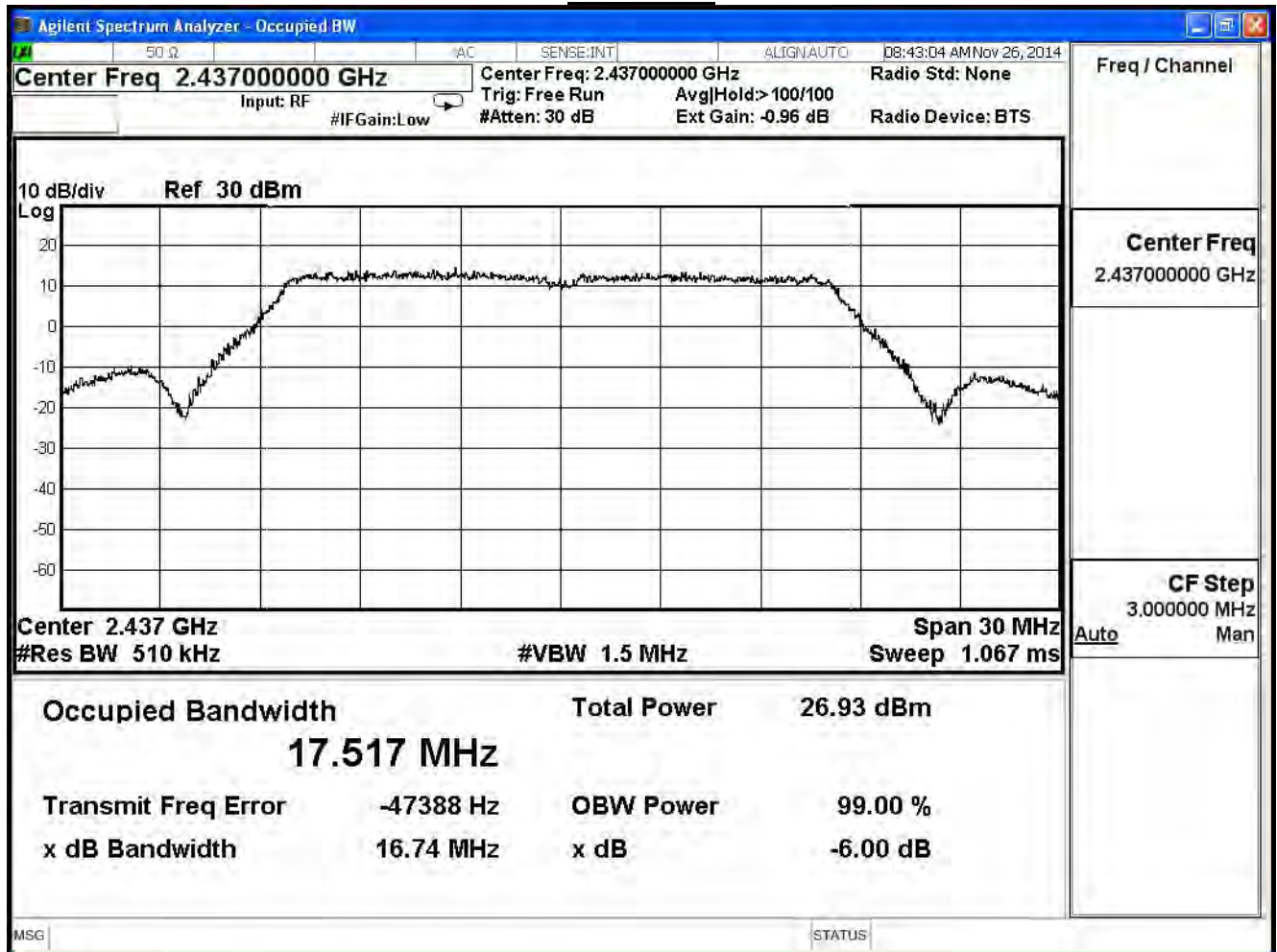
IEEE 802.11g (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.534	--	Pass
6	2437	17.517	--	Pass
11	2462	17.515	--	Pass

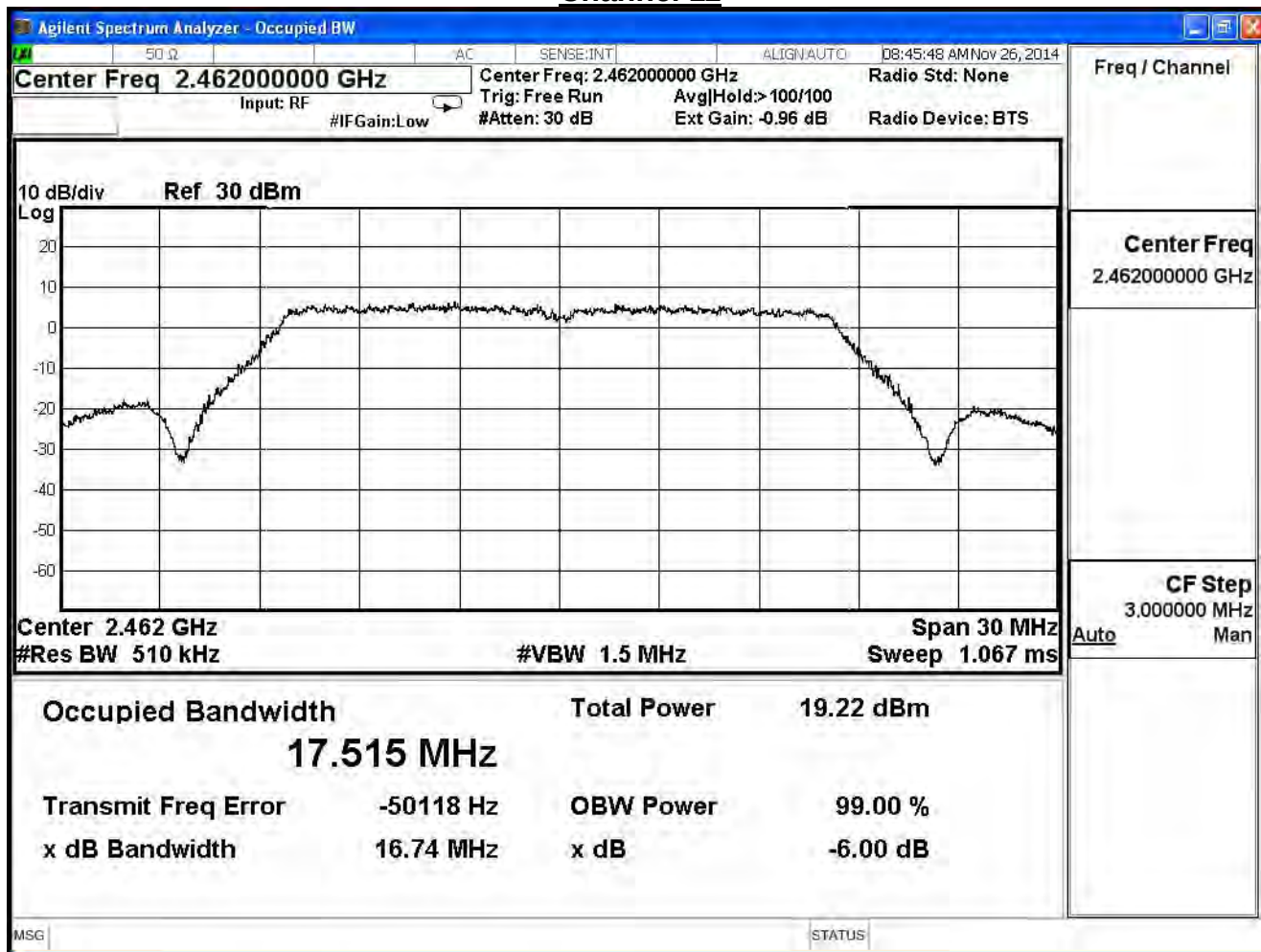
Channel 1



Channel 6



Channel 11

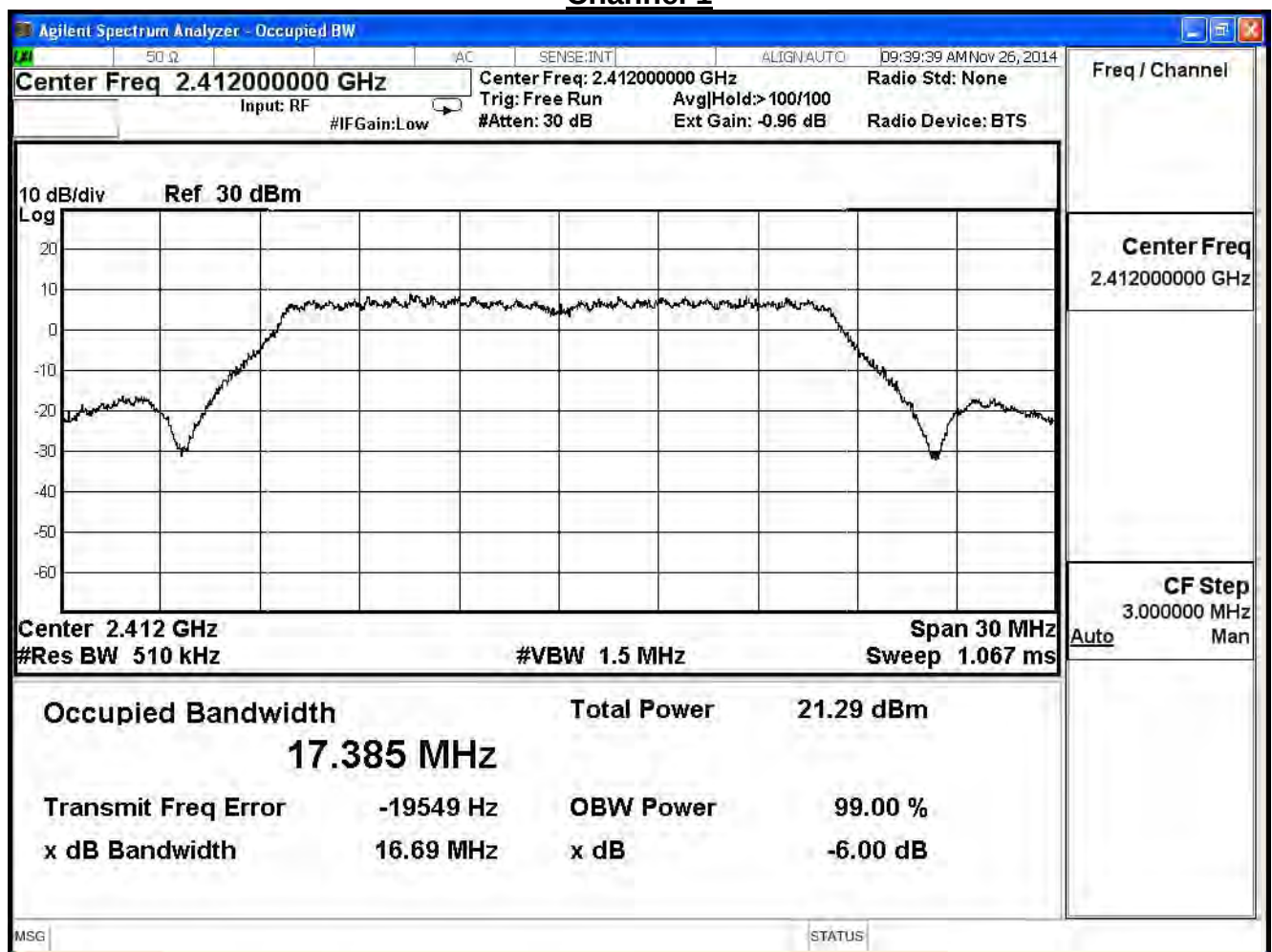


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

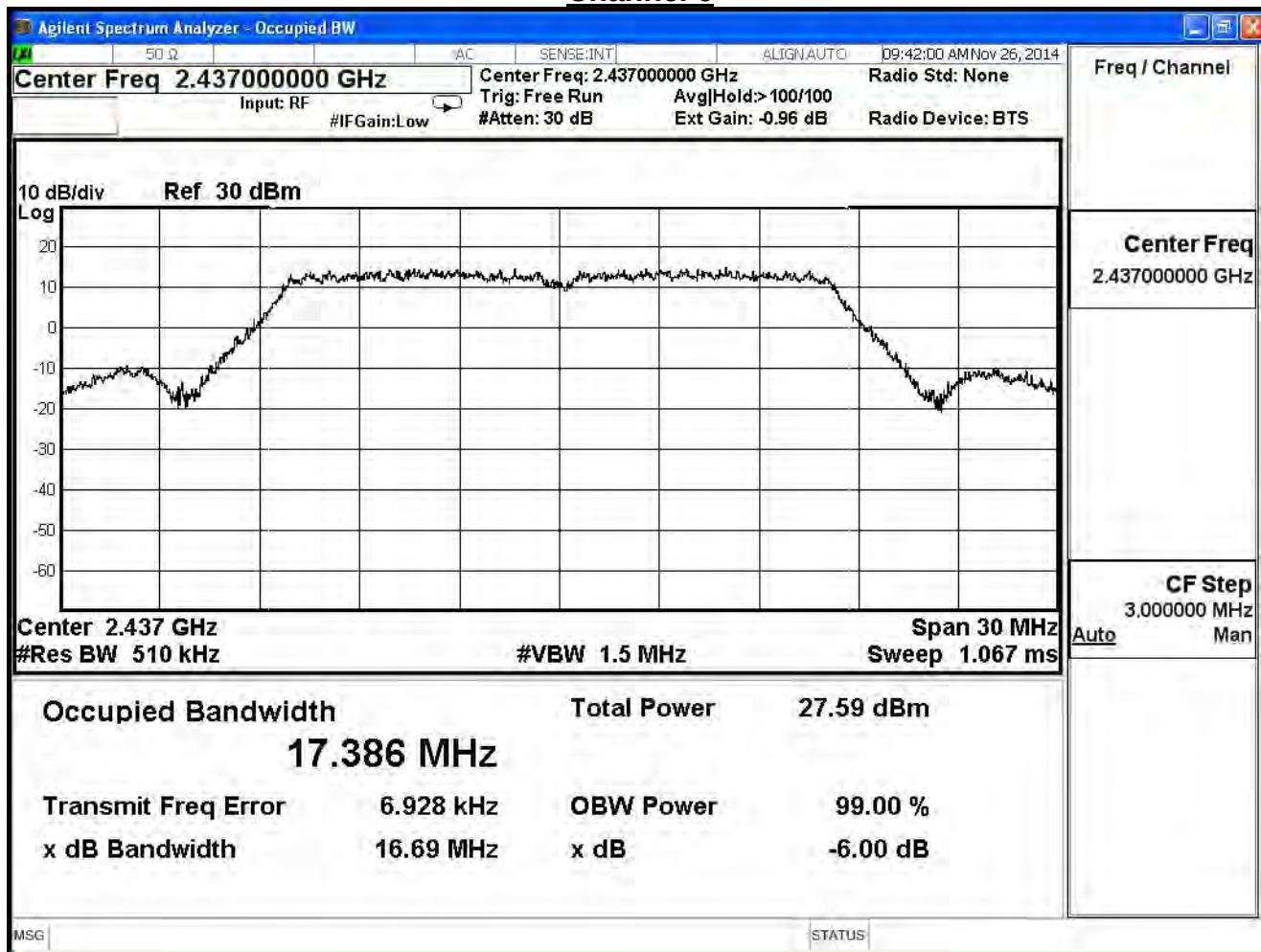
IEEE 802.11g (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.385	--	Pass
6	2437	17.386	--	Pass
11	2462	17.379	--	Pass

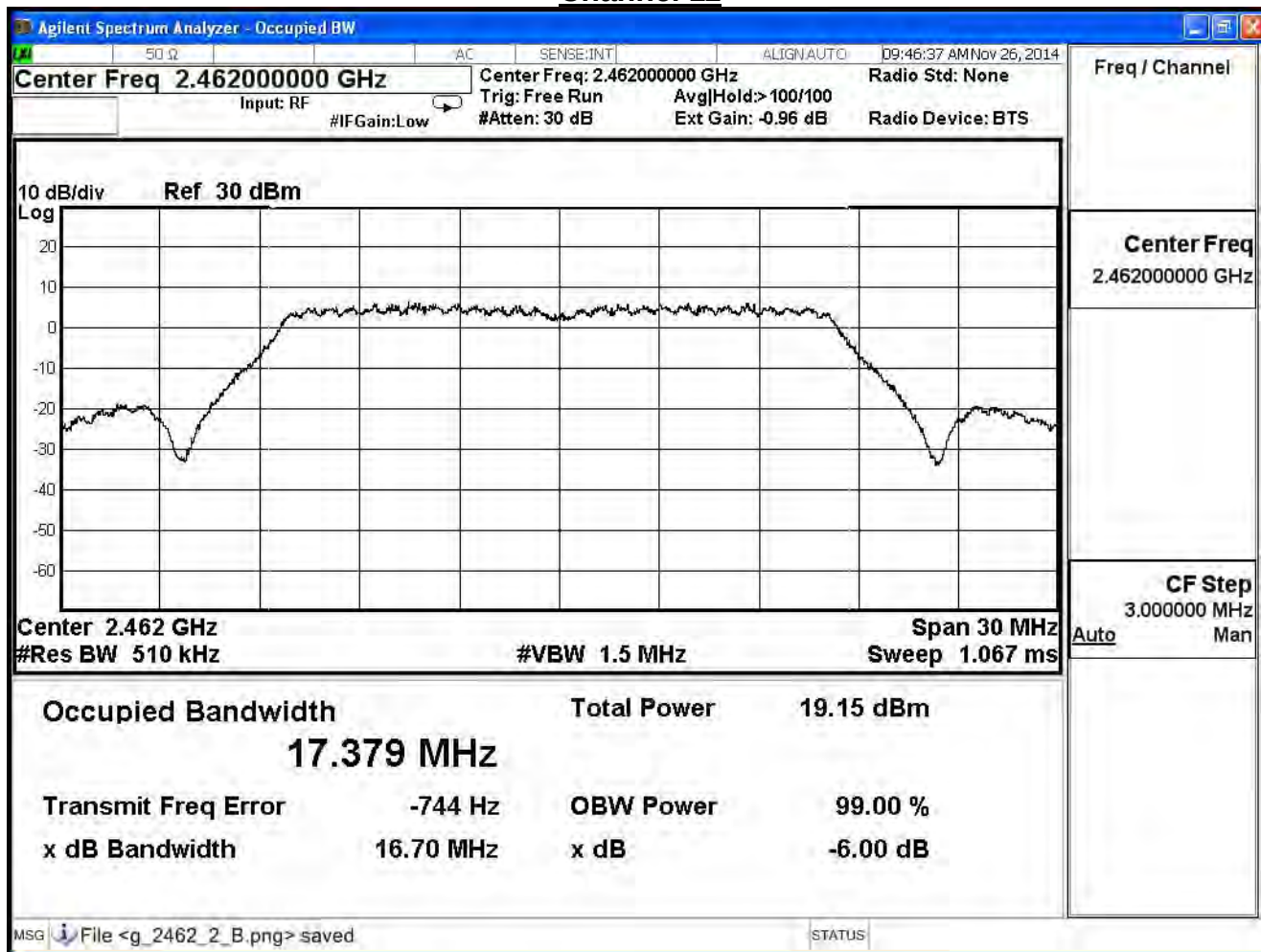
Channel 1



Channel 6



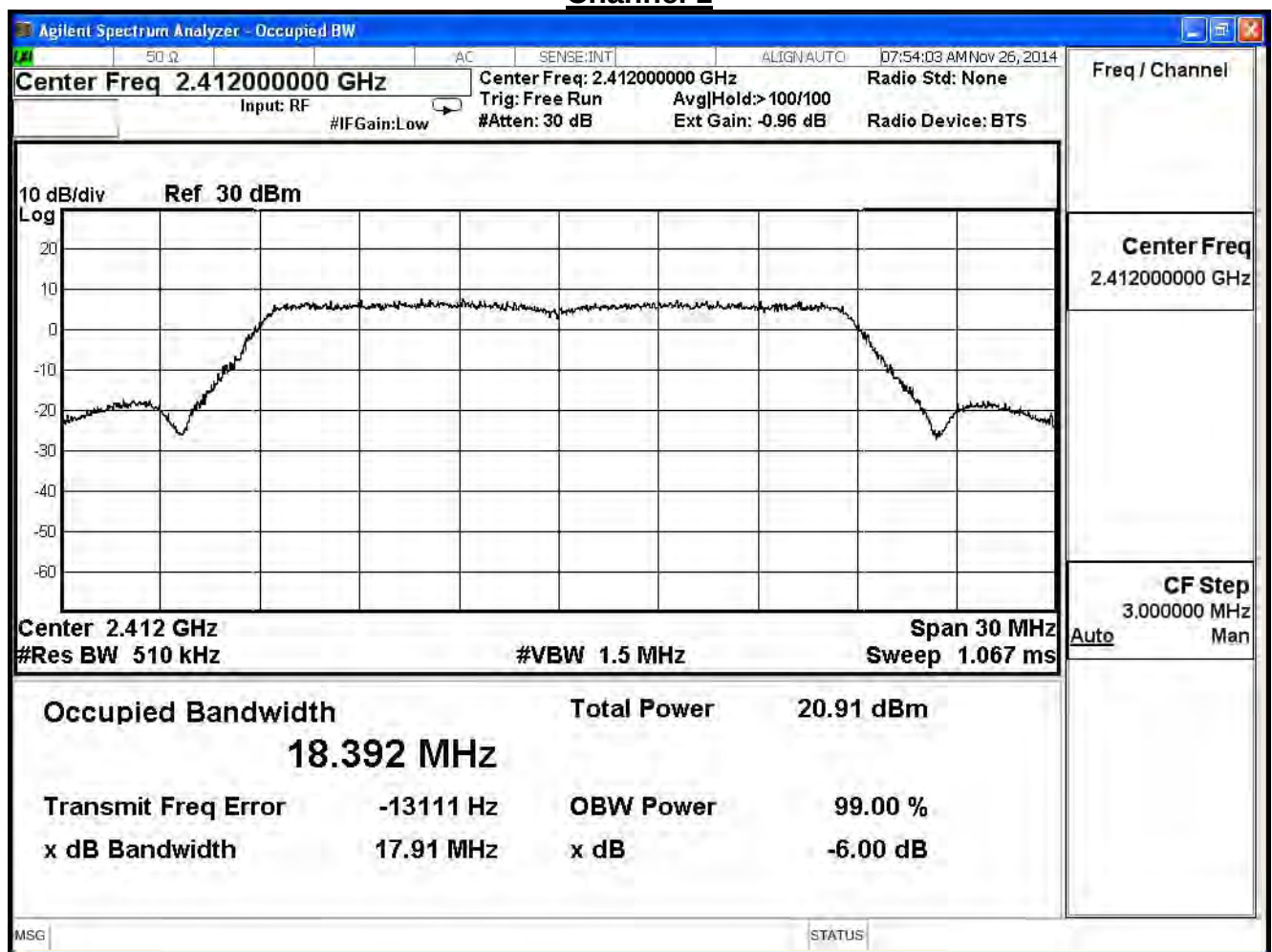
Channel 11



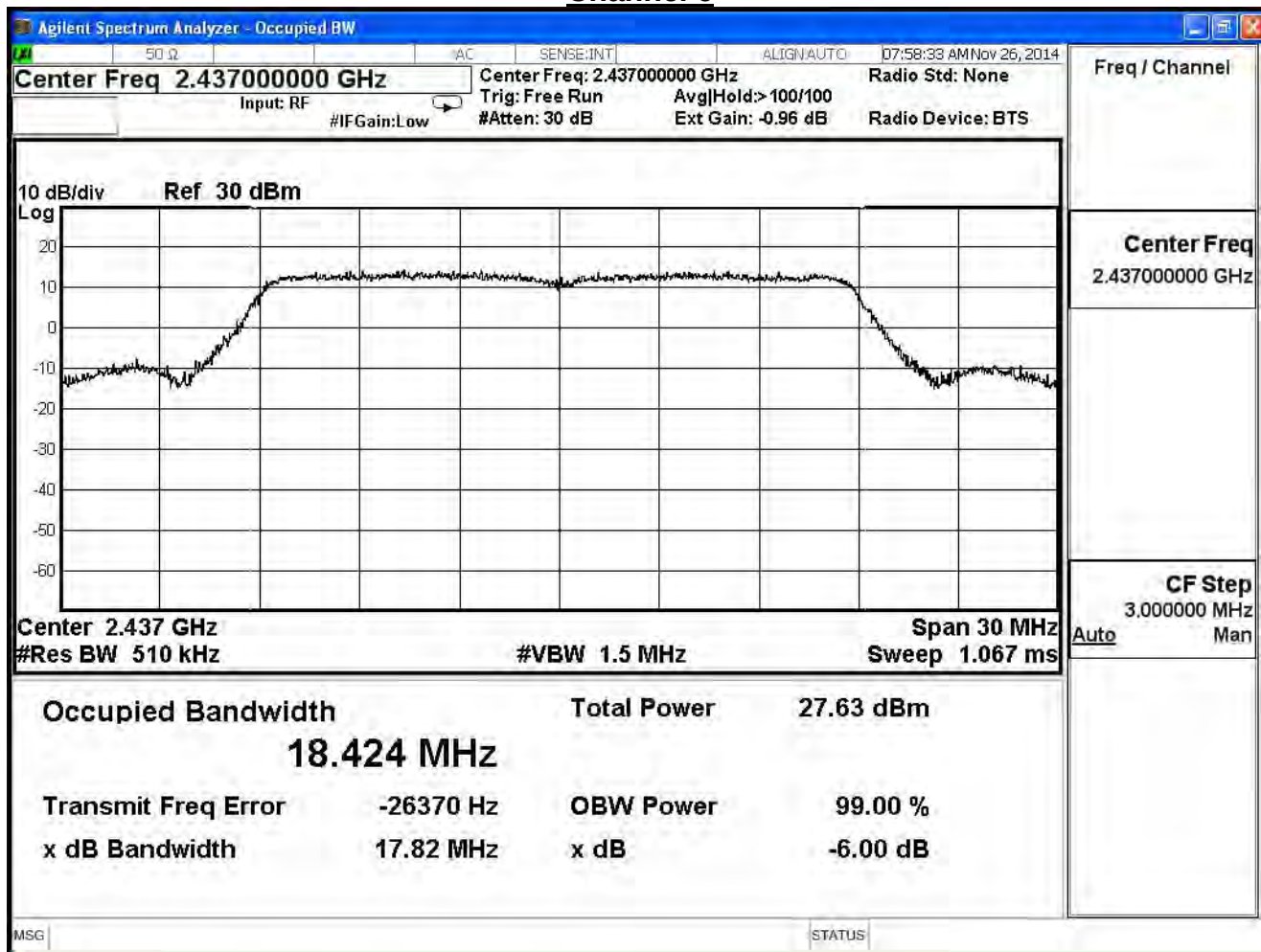
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	18.392	--	Pass
6	2437	18.424	--	Pass
11	2462	18.386	--	Pass

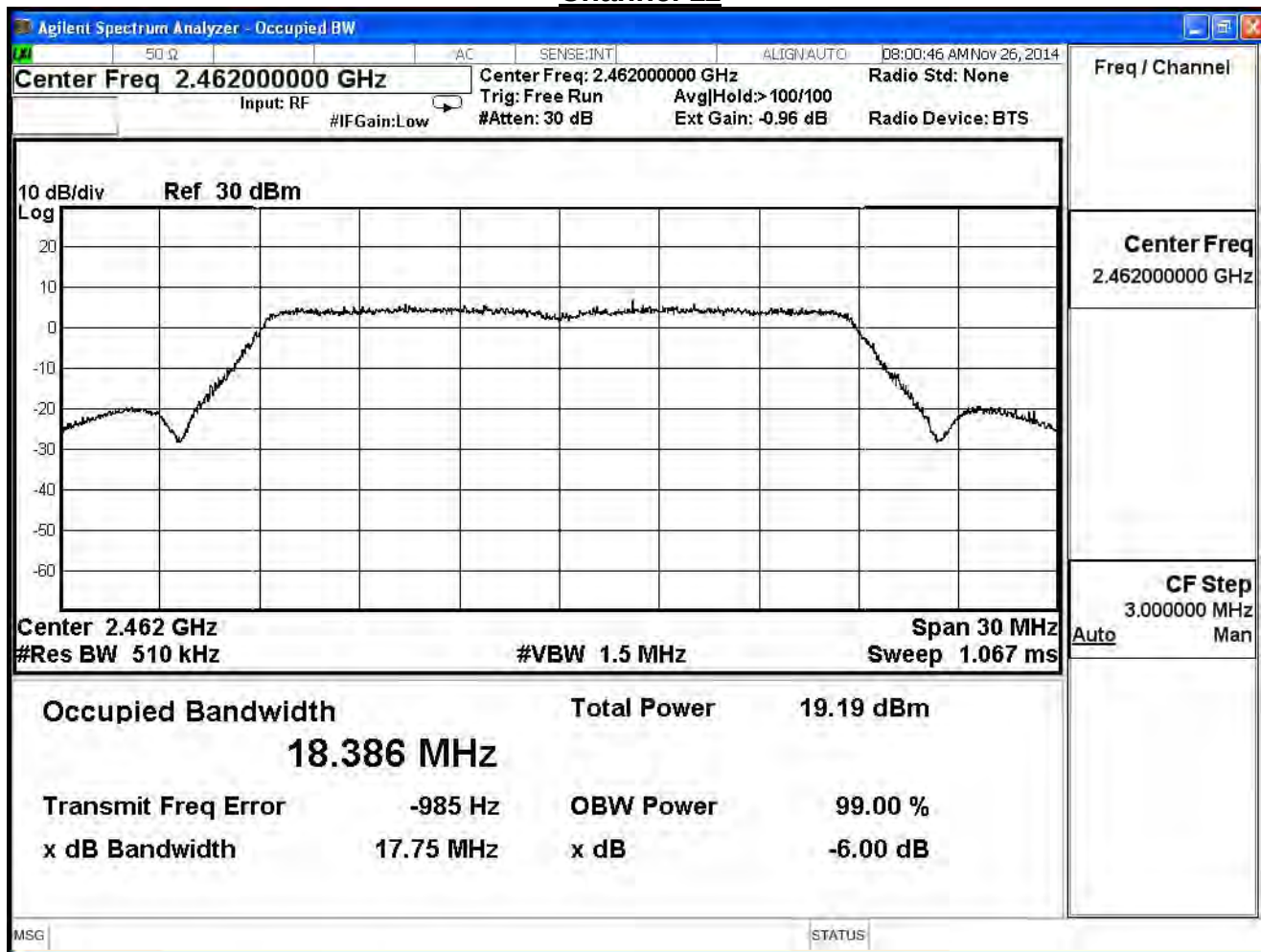
Channel 1



Channel 6



Channel 11

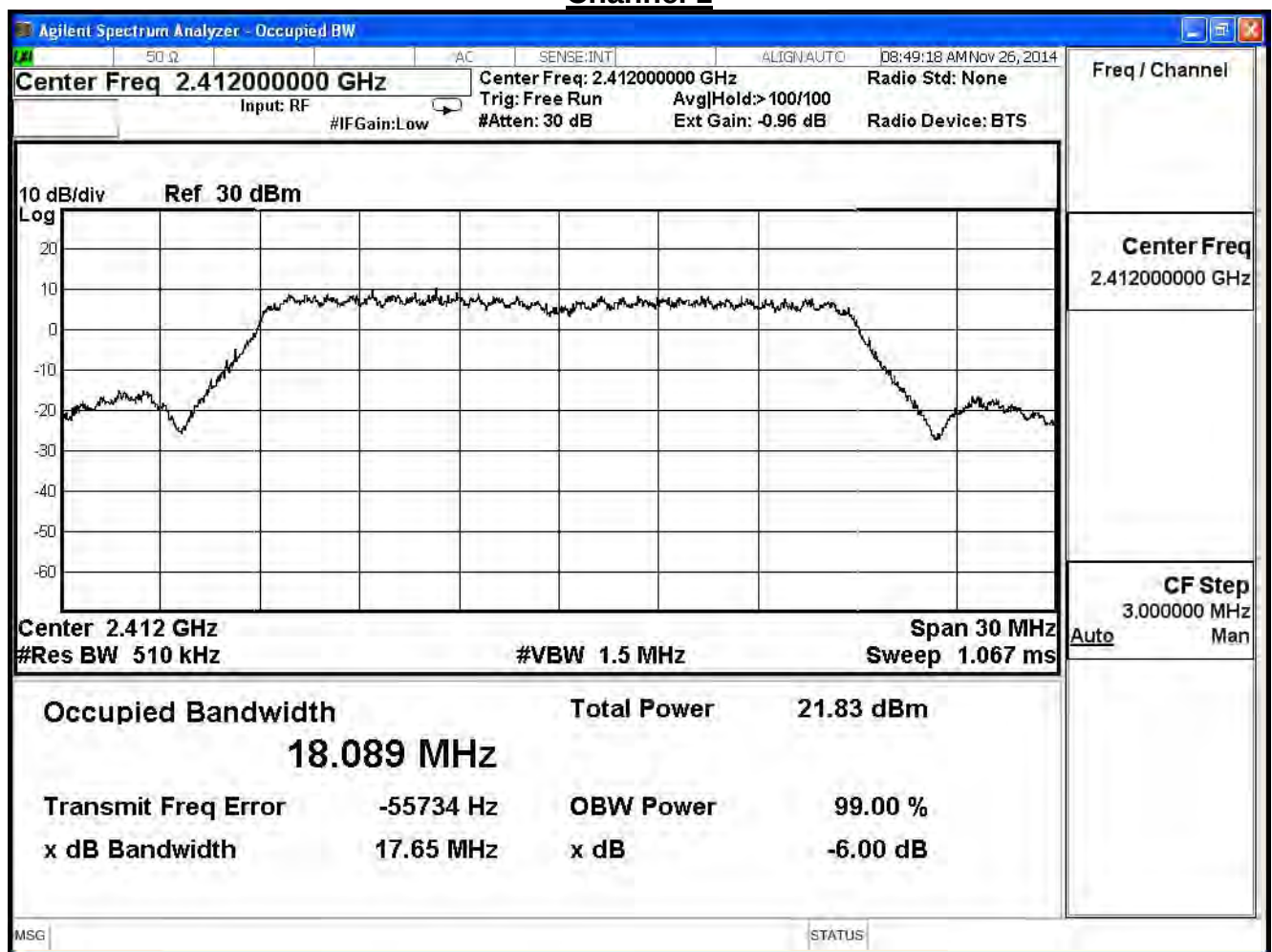


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

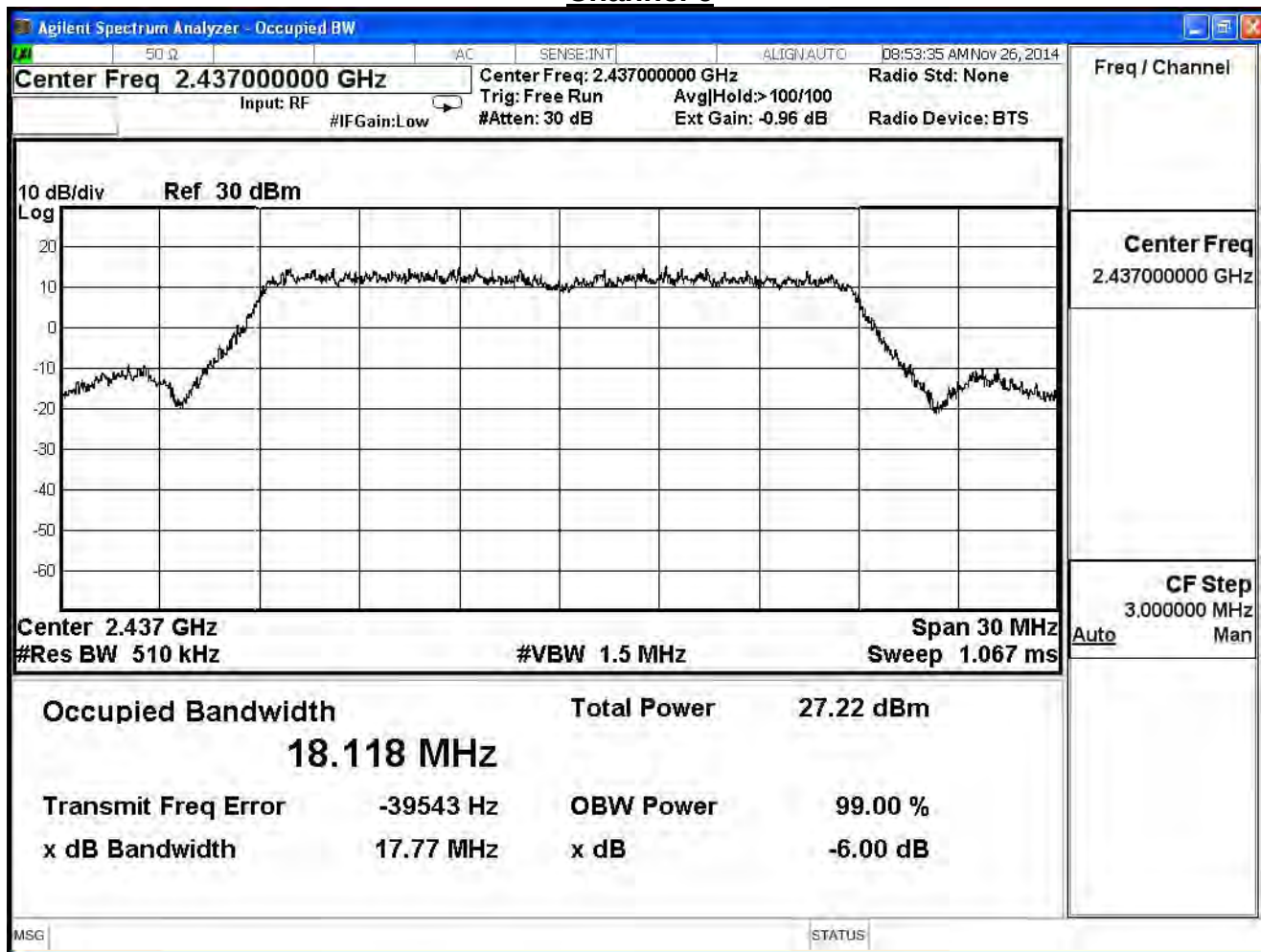
IEEE 802.11n (20MHz)(ANT 1)

Channel No.	Frequency (MHz)	Measure Level MHz)	Limit (MHz)	Result
1	2412	18.089	--	Pass
6	2437	18.118	--	Pass
11	2462	18.097	--	Pass

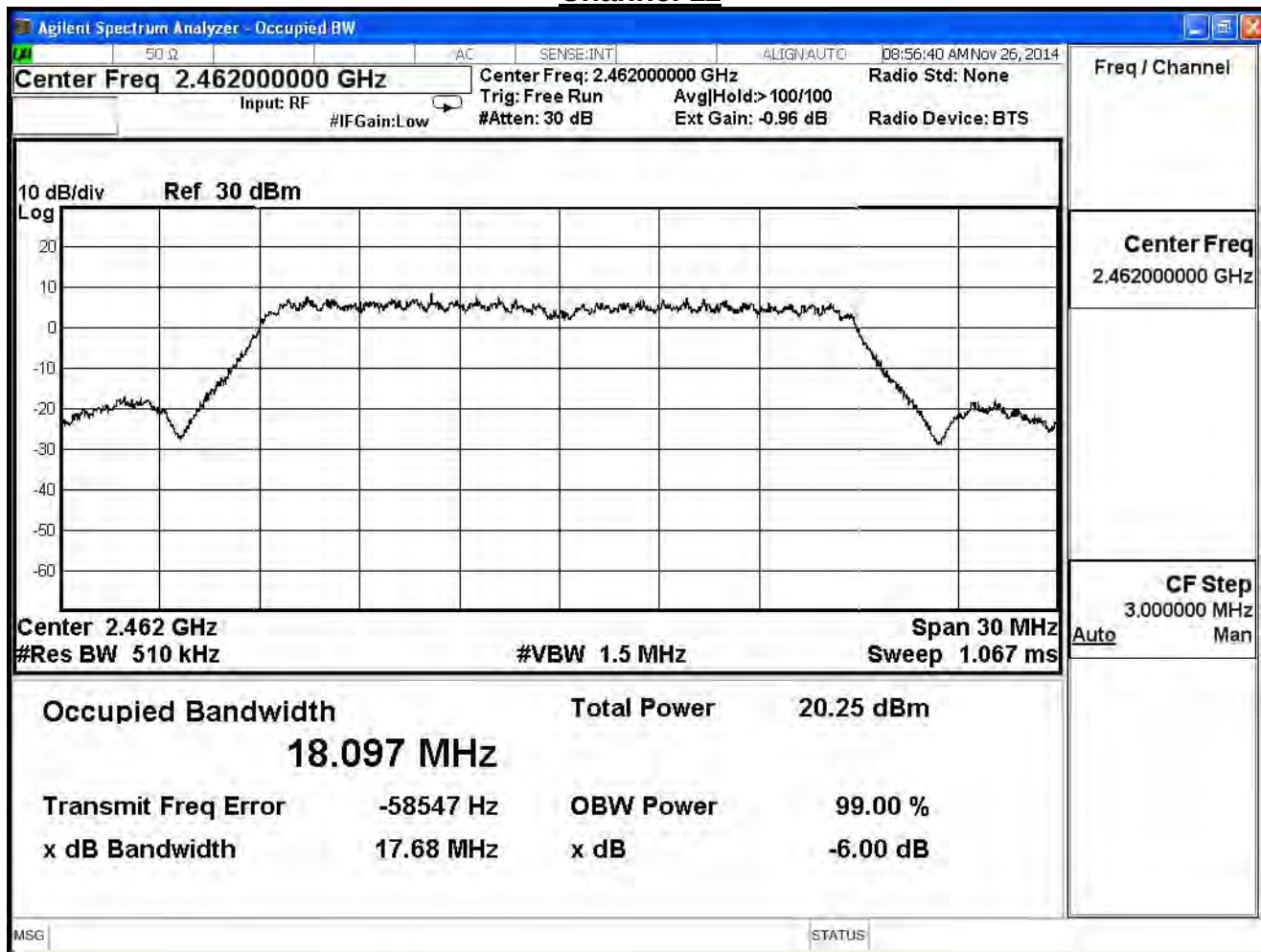
Channel 1



Channel 6



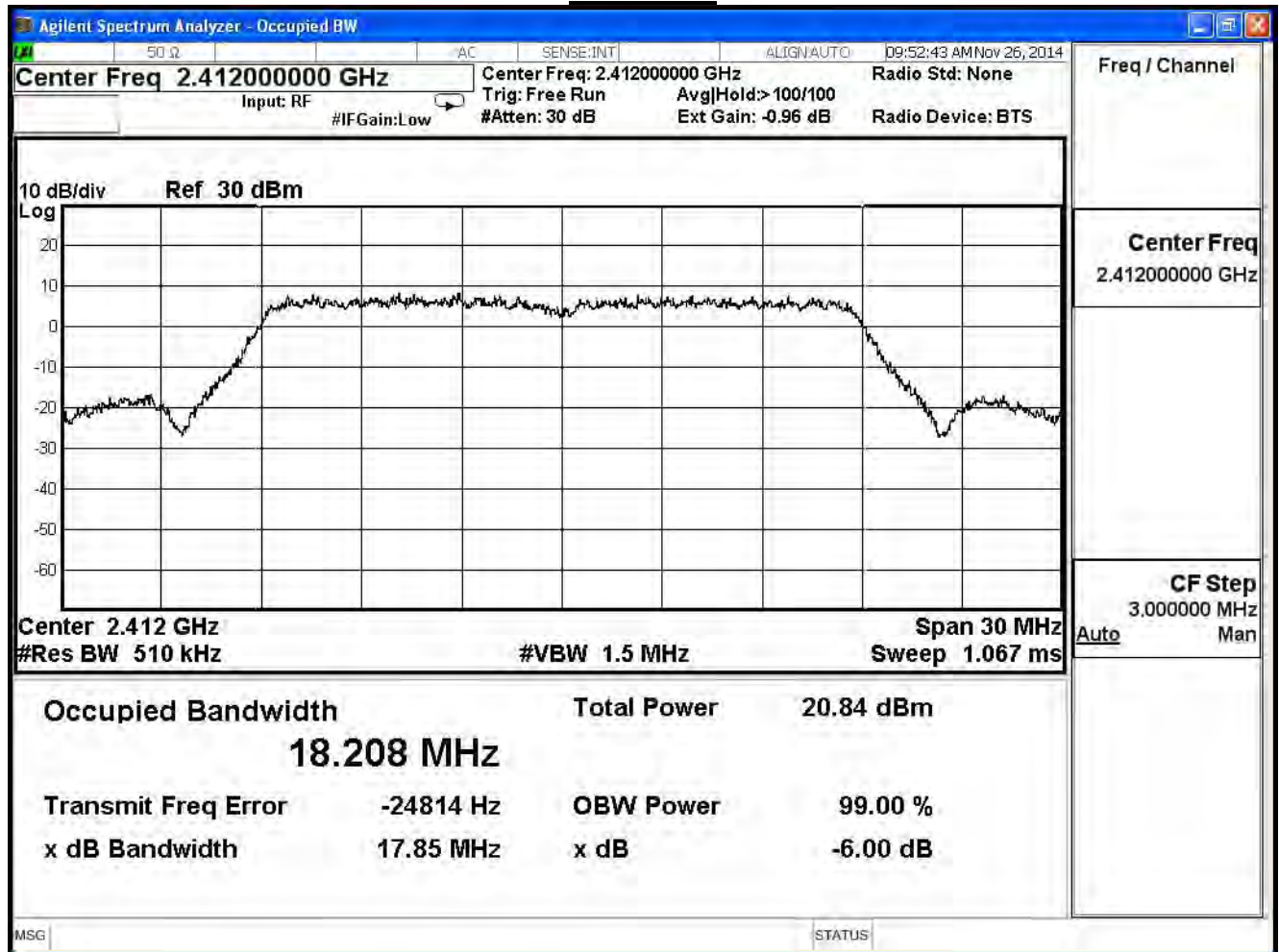
Channel 11



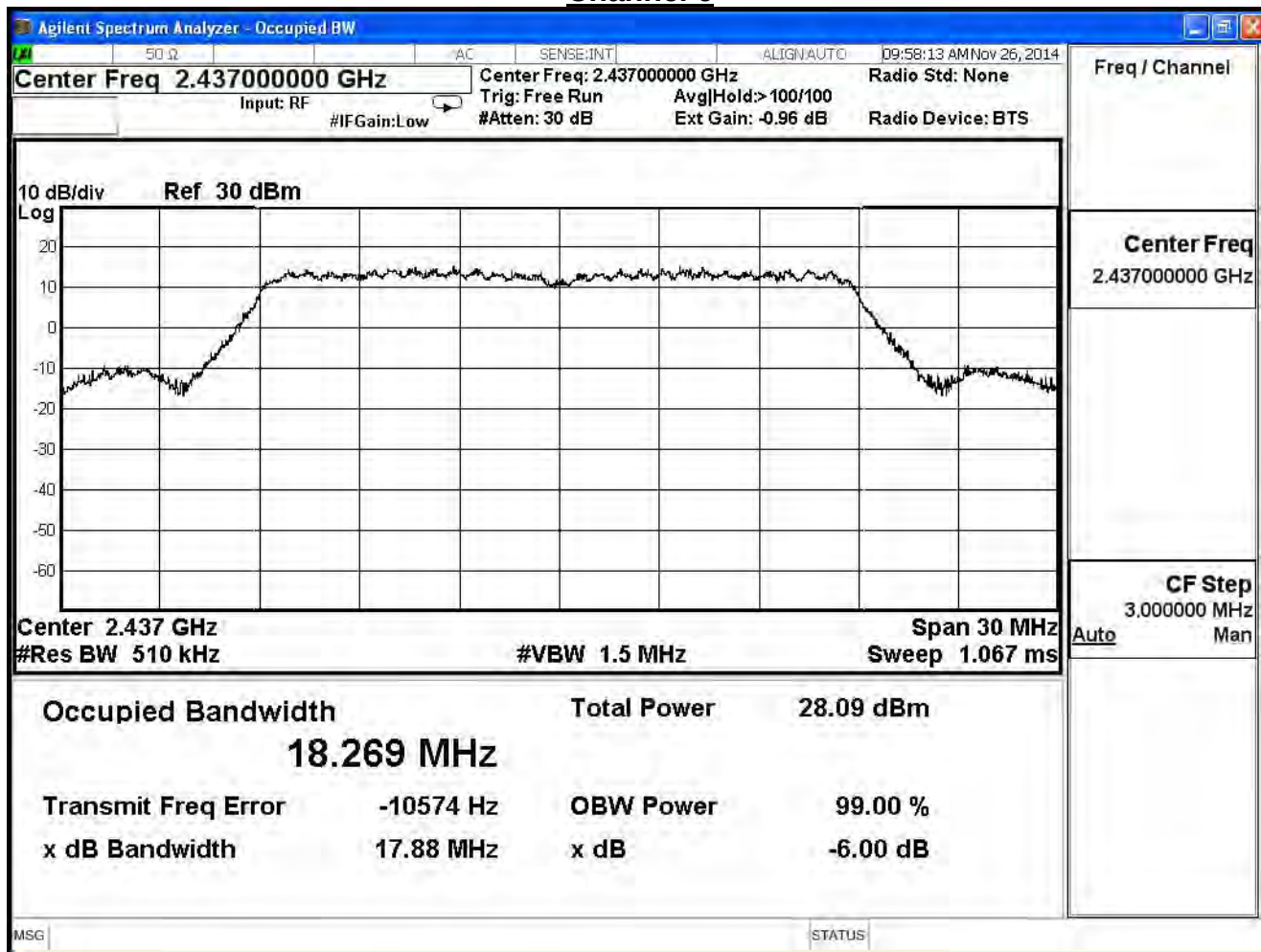
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	18.208	--	Pass
6	2437	18.269	--	Pass
11	2462	18.228	--	Pass

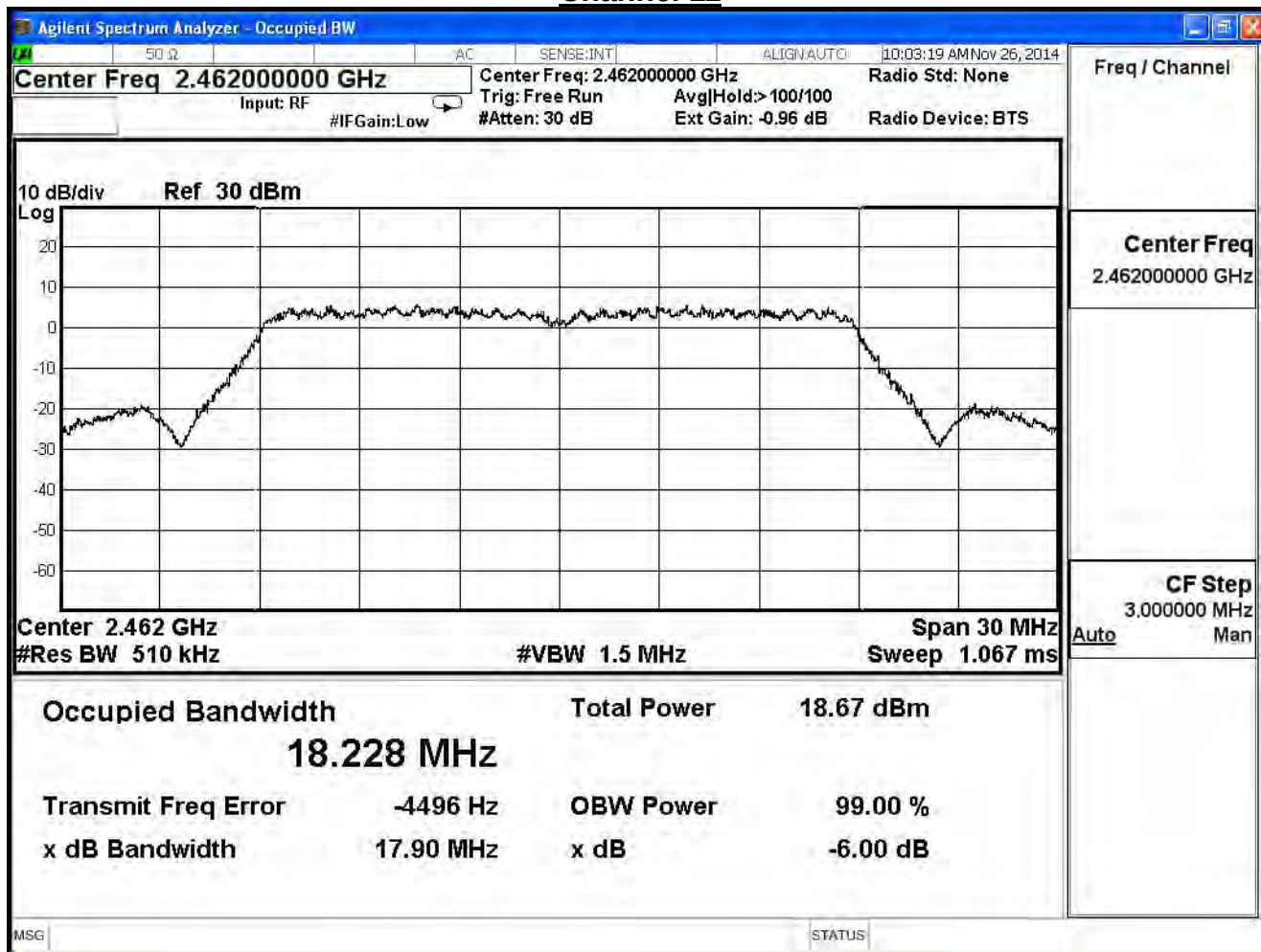
Channel 1



Channel 6



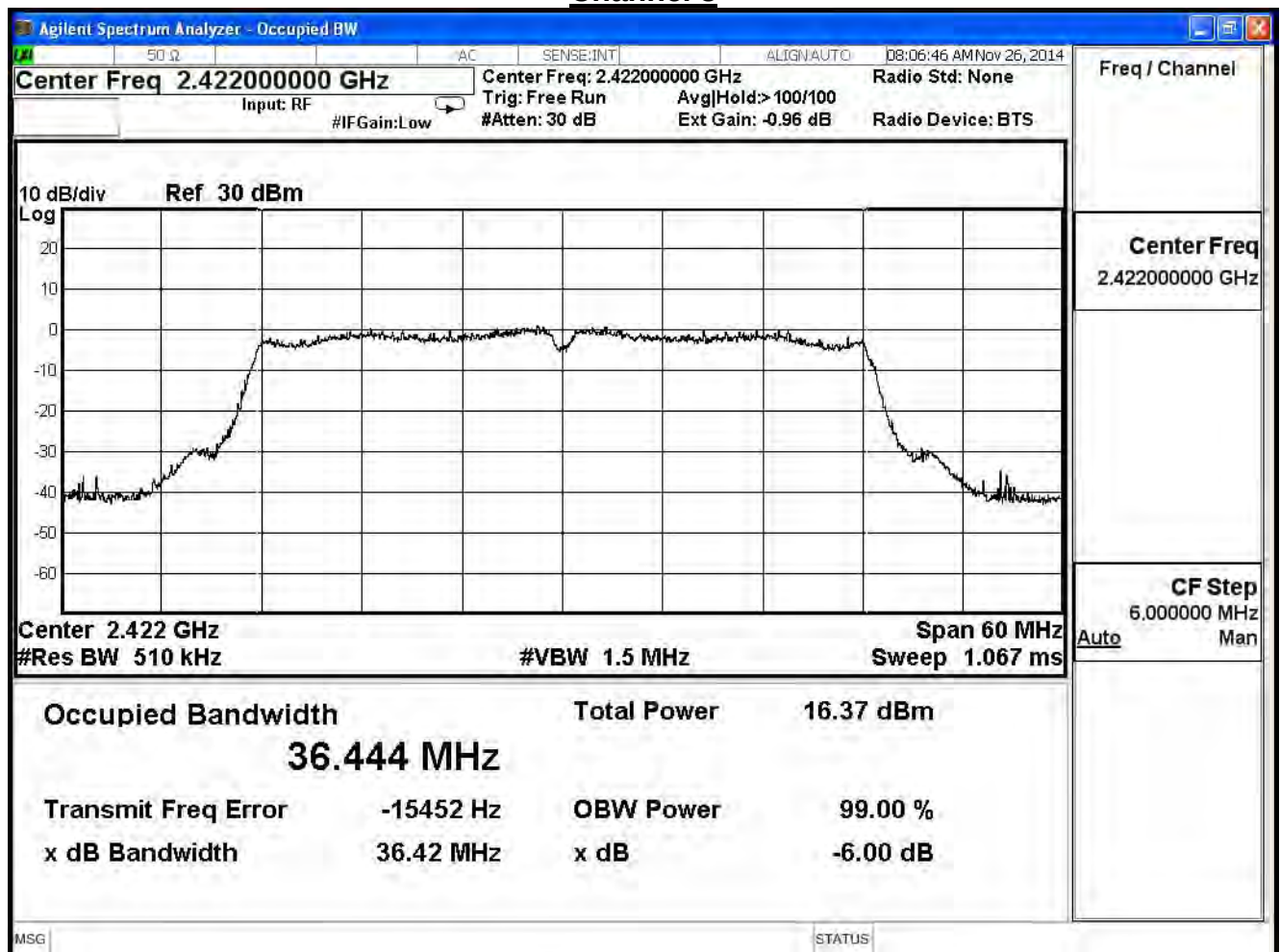
Channel 11



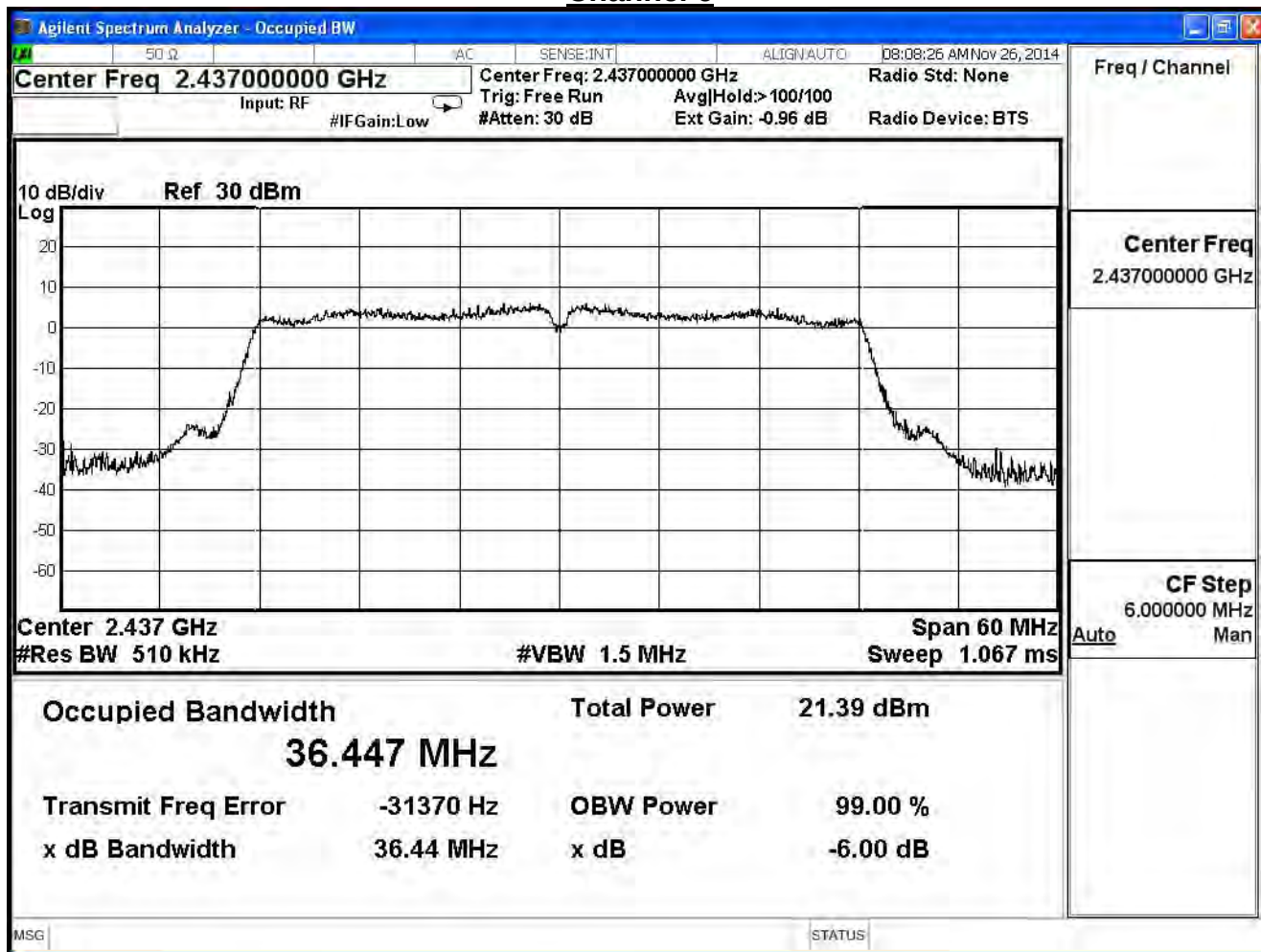
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.444	--	Pass
6	2437	36.447	--	Pass
9	2452	36.448	--	Pass

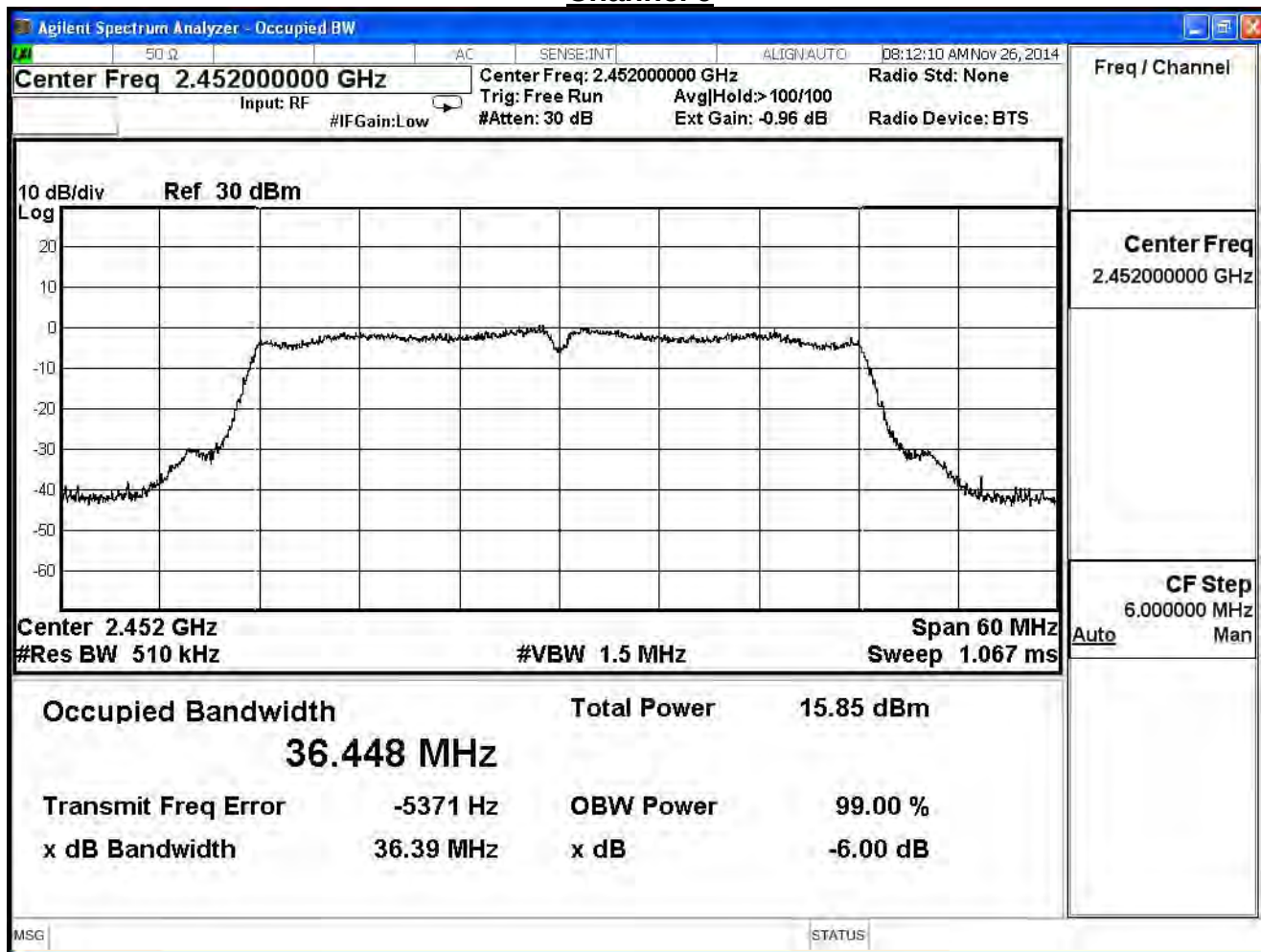
Channel 3



Channel 6



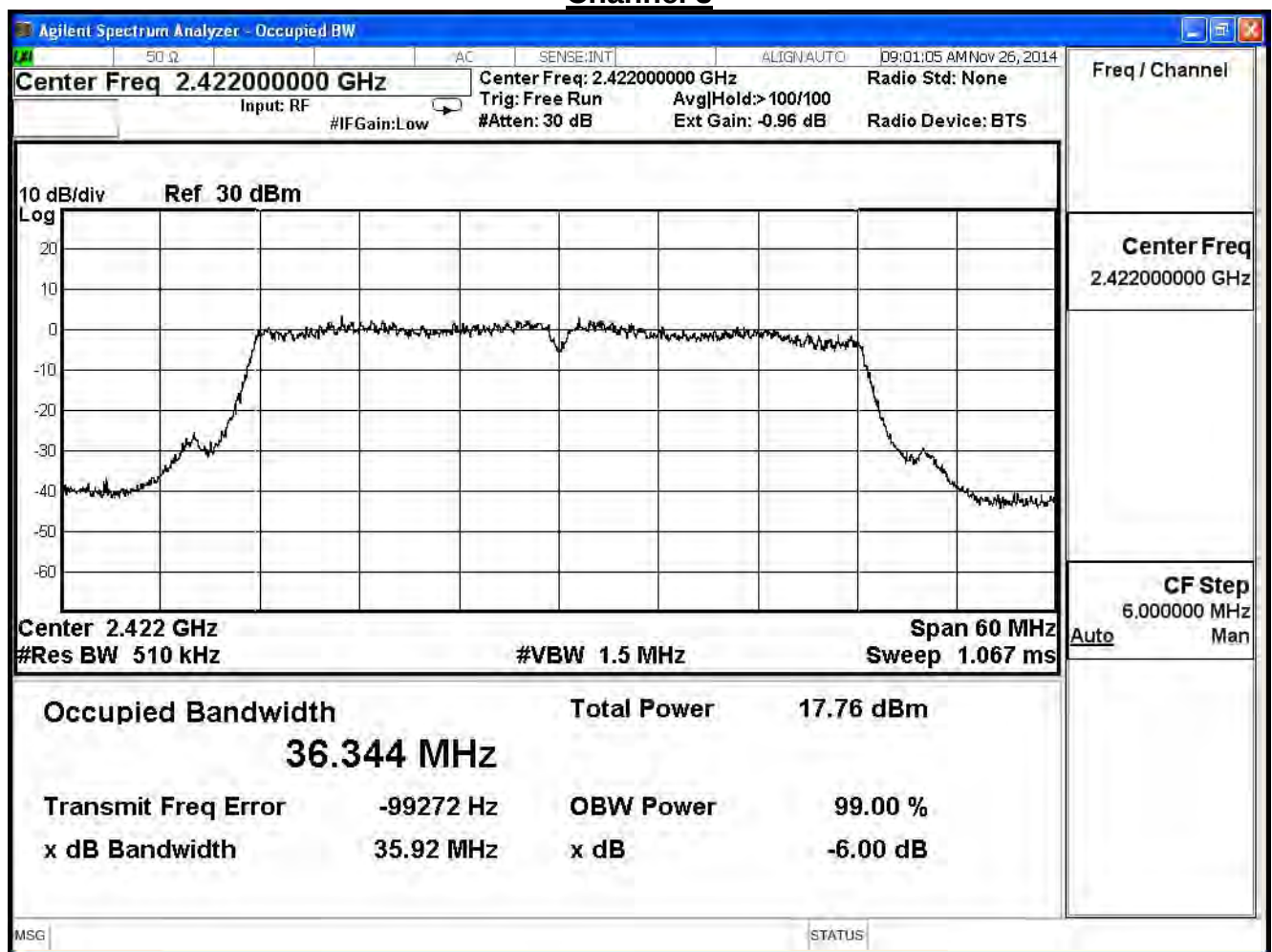
Channel 9



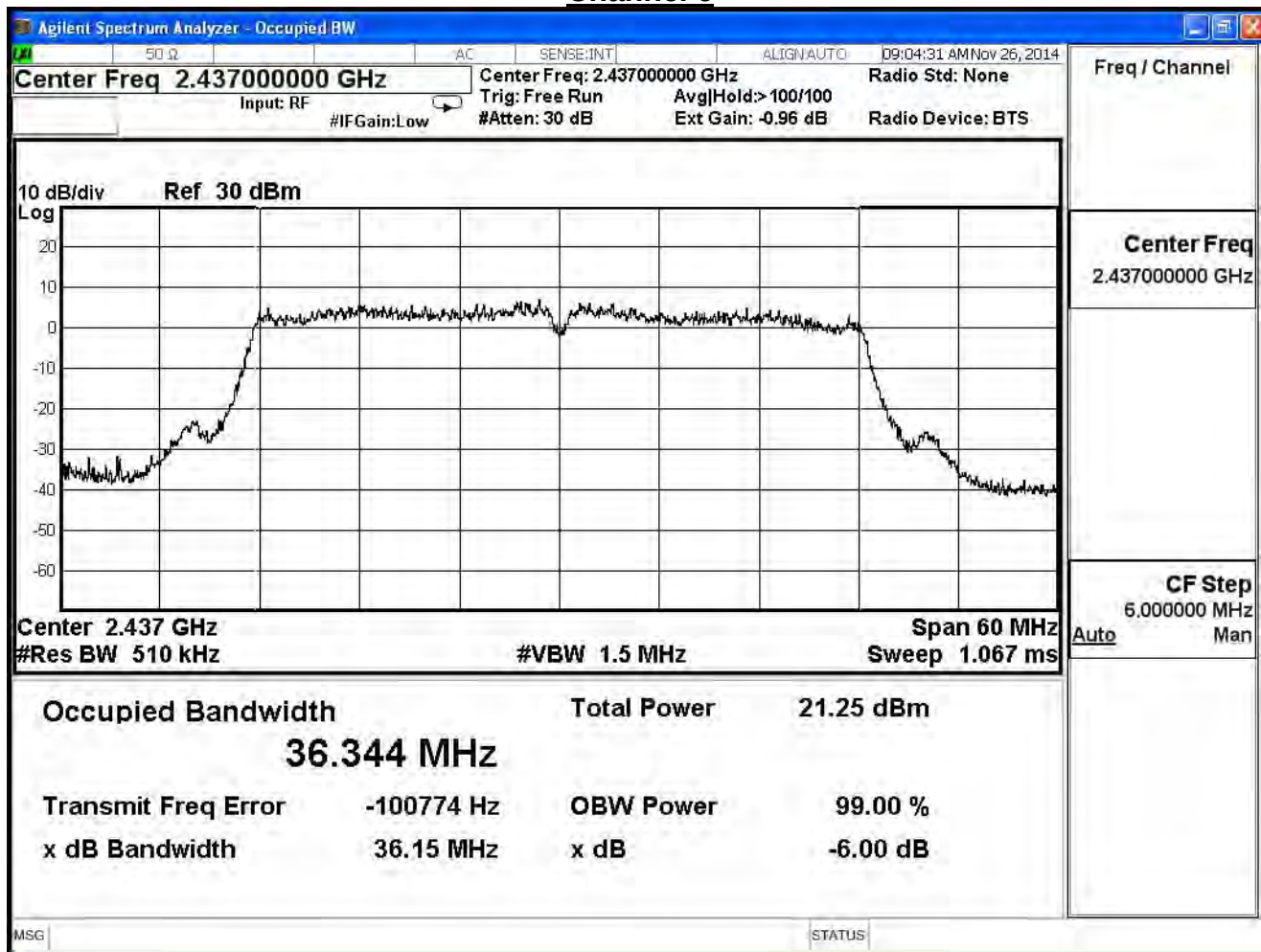
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.344	--	Pass
6	2437	36.344	--	Pass
9	2452	36.341	--	Pass

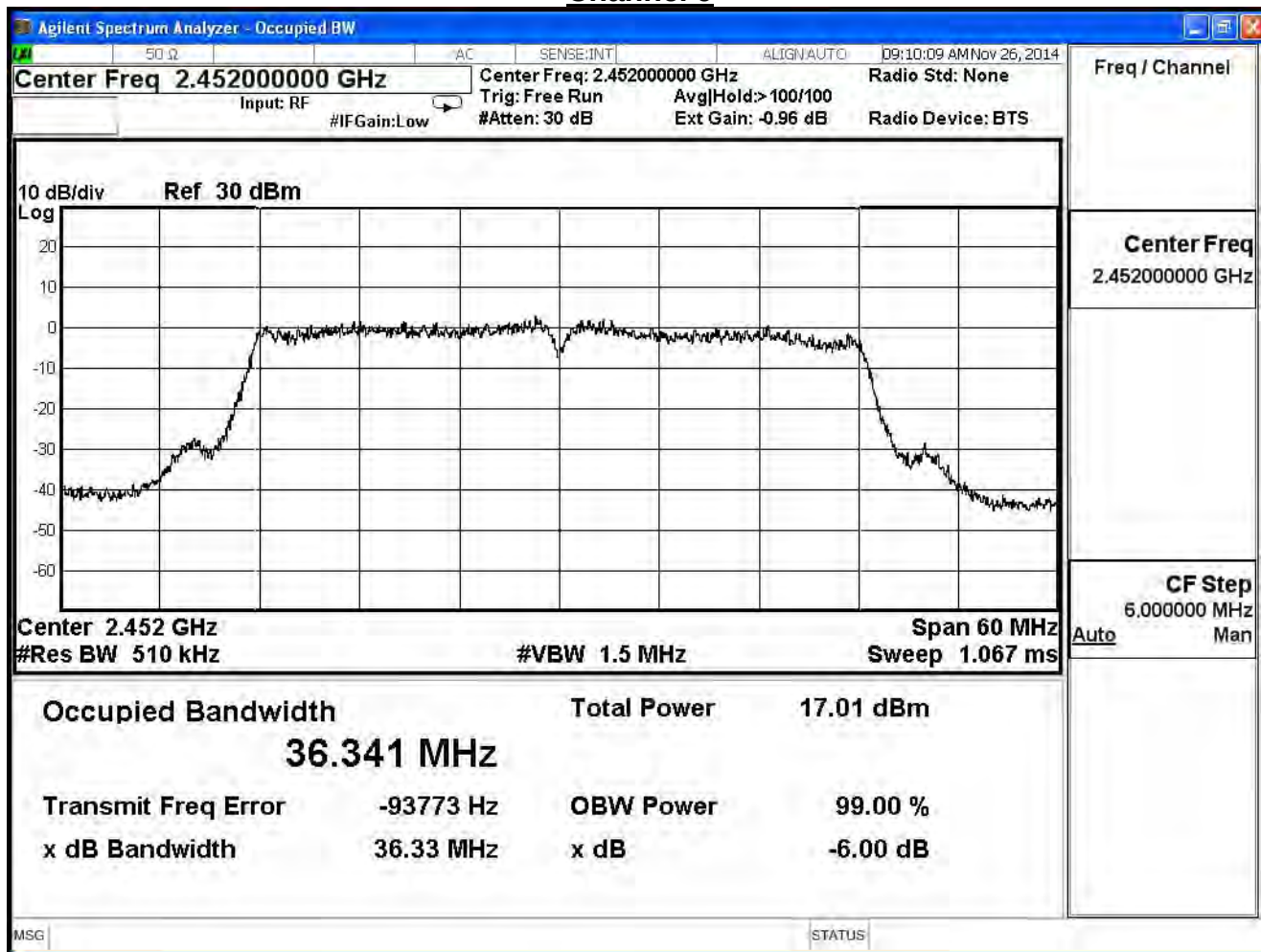
Channel 3



Channel 6



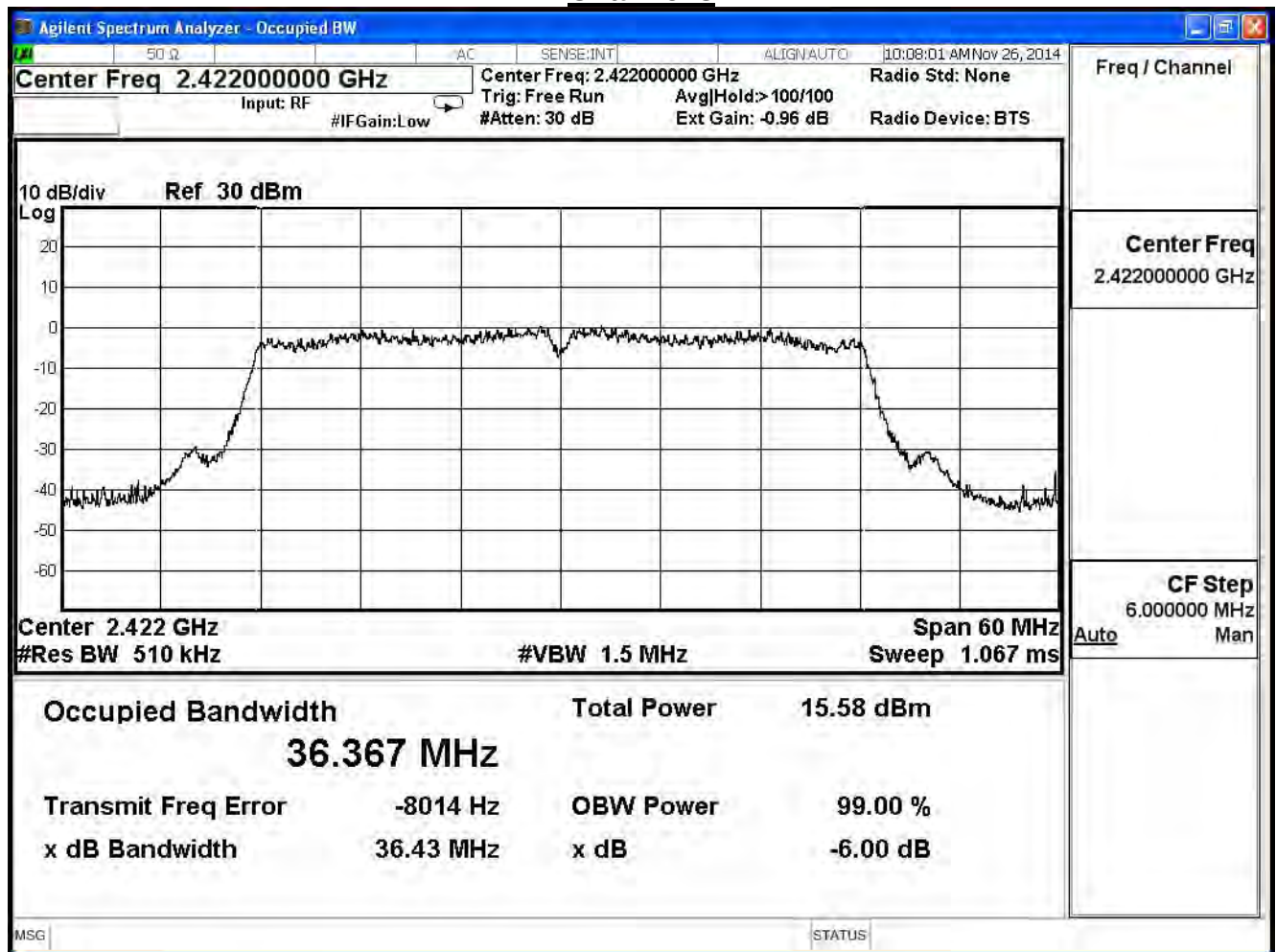
Channel 9



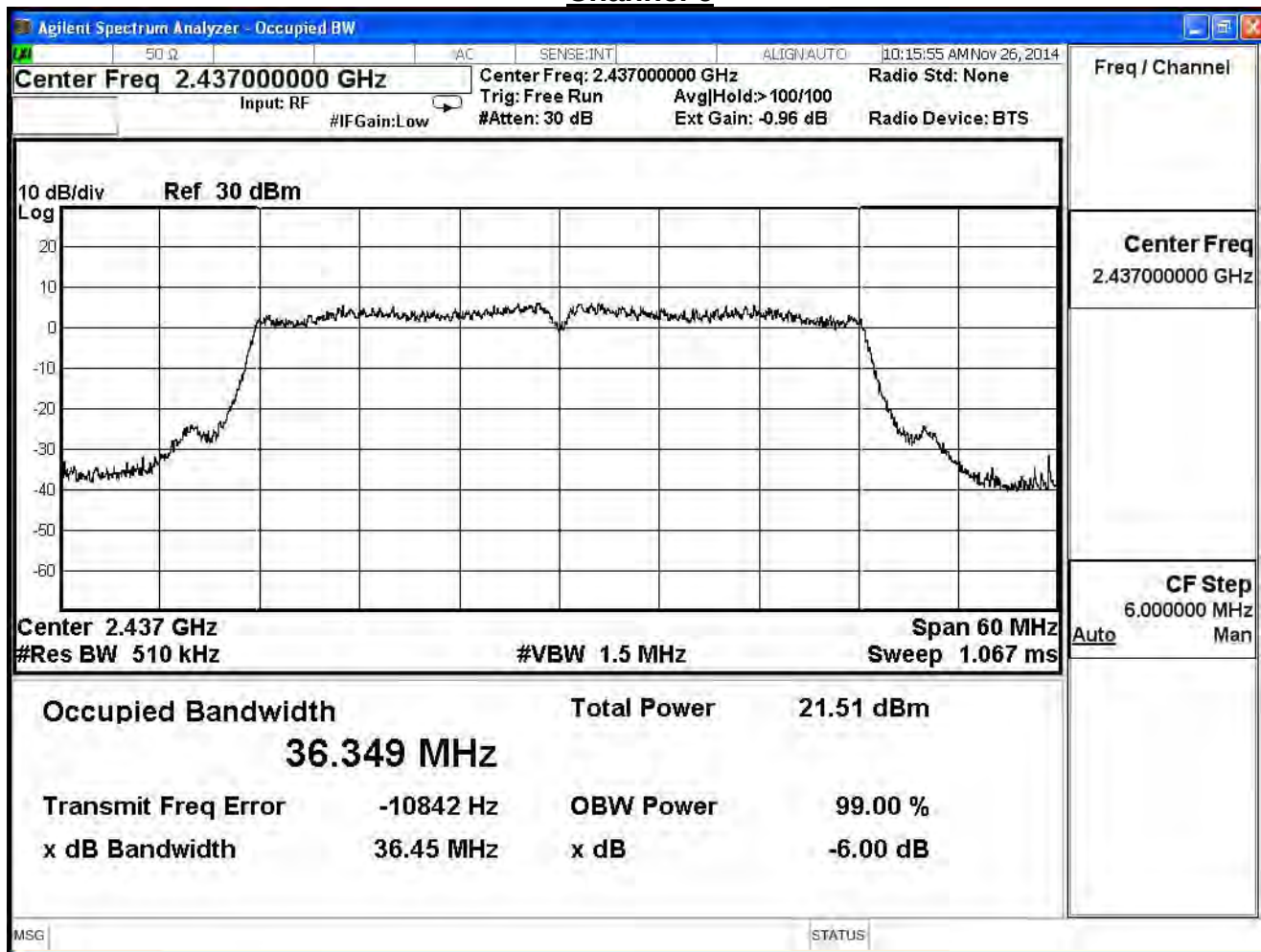
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/11/26	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.367	--	Pass
6	2437	36.349	--	Pass
9	2452	36.352	--	Pass

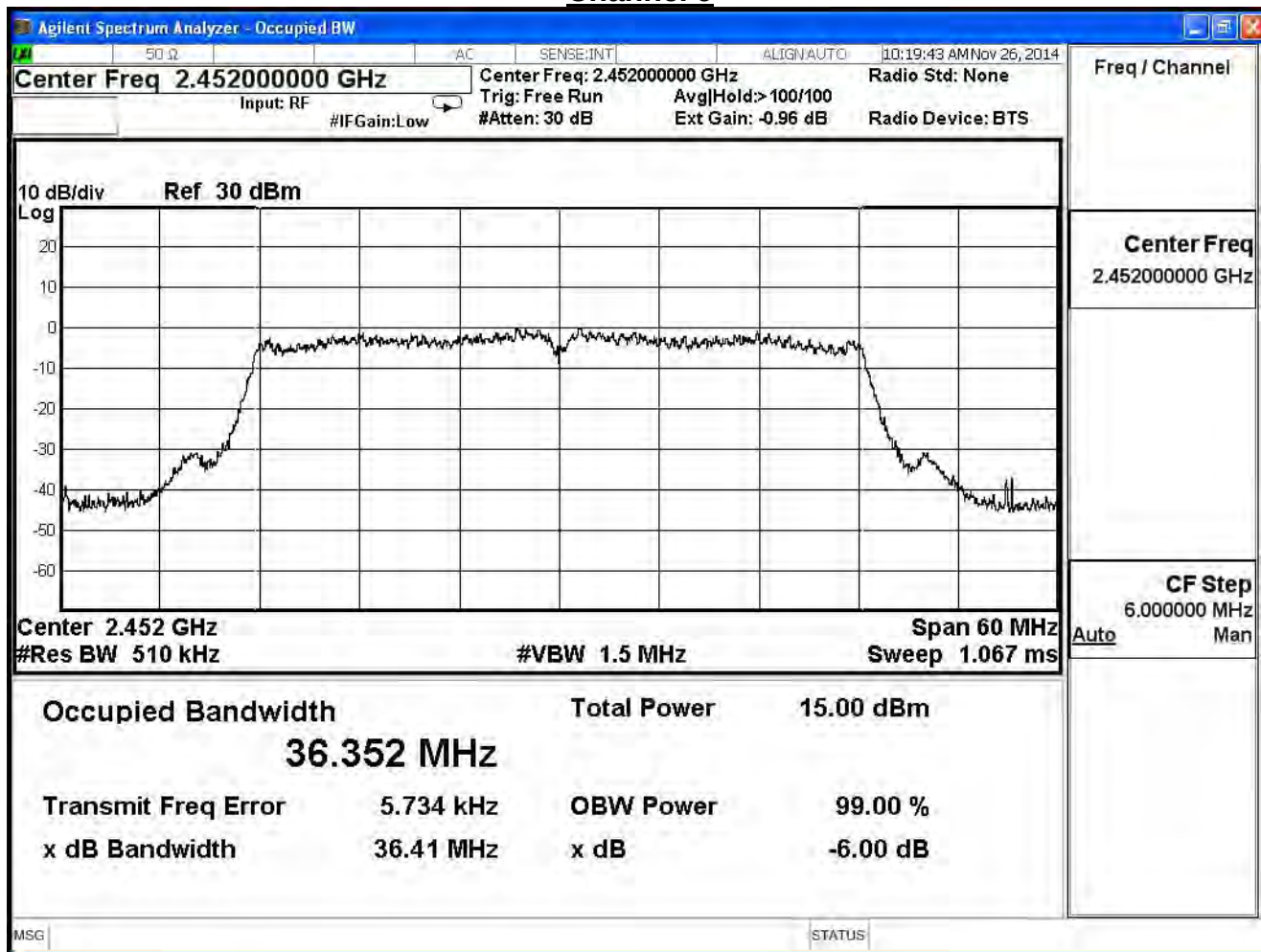
Channel 3



Channel 6



Channel 9

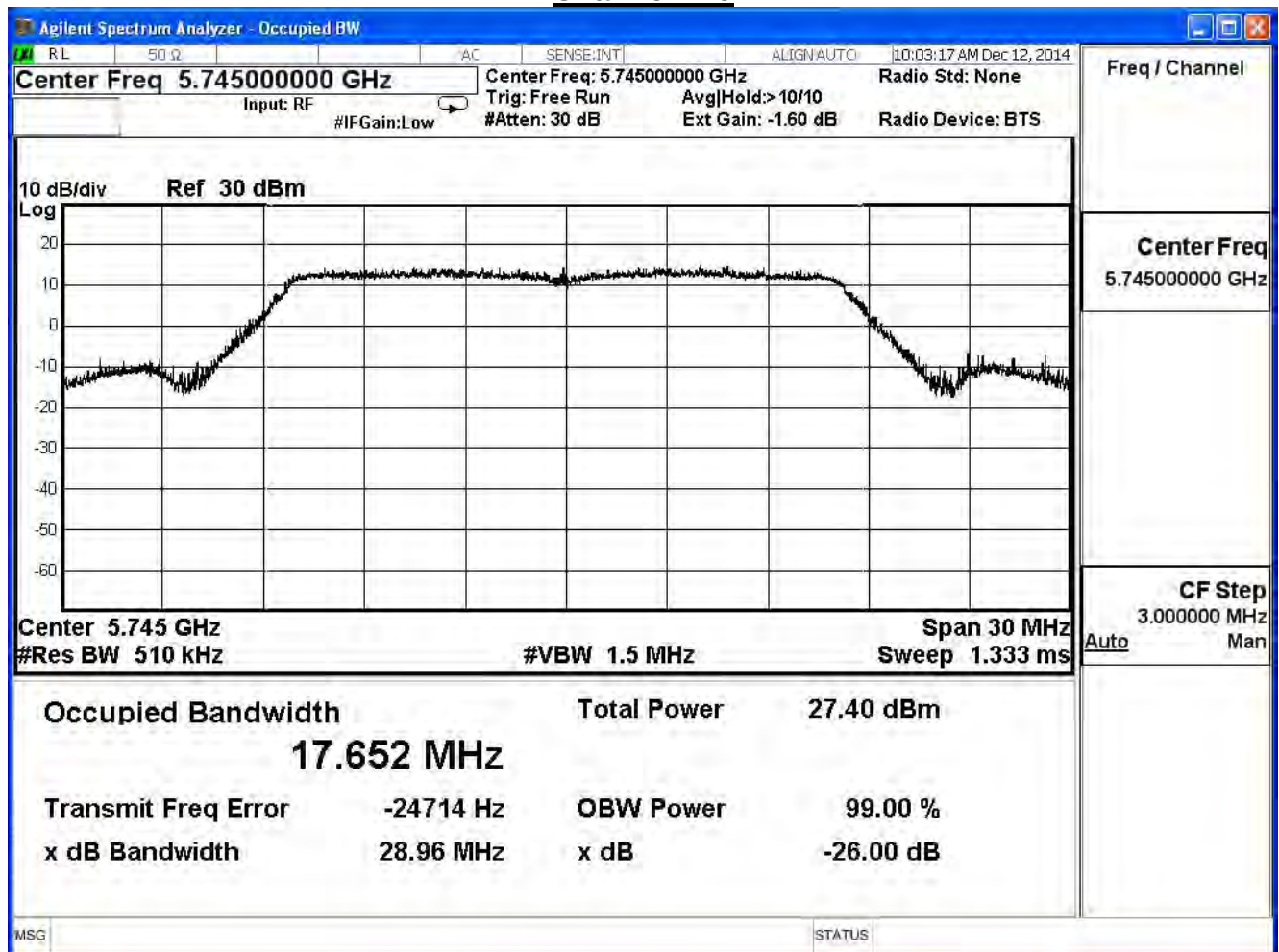


Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

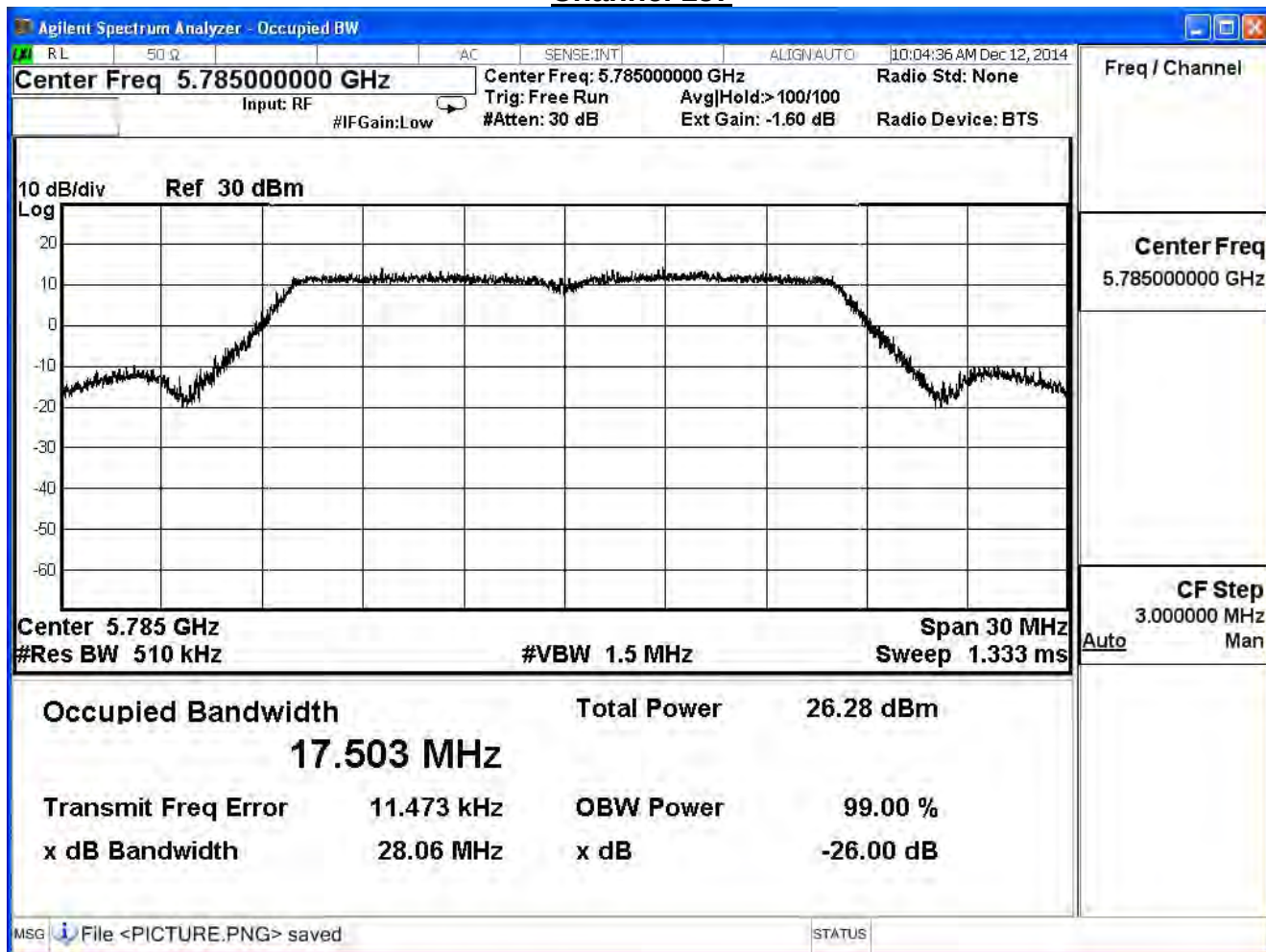
802.11 a (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	17.652	--	Pass
157	5785	17.503	--	Pass
165	5825	17.570	--	Pass

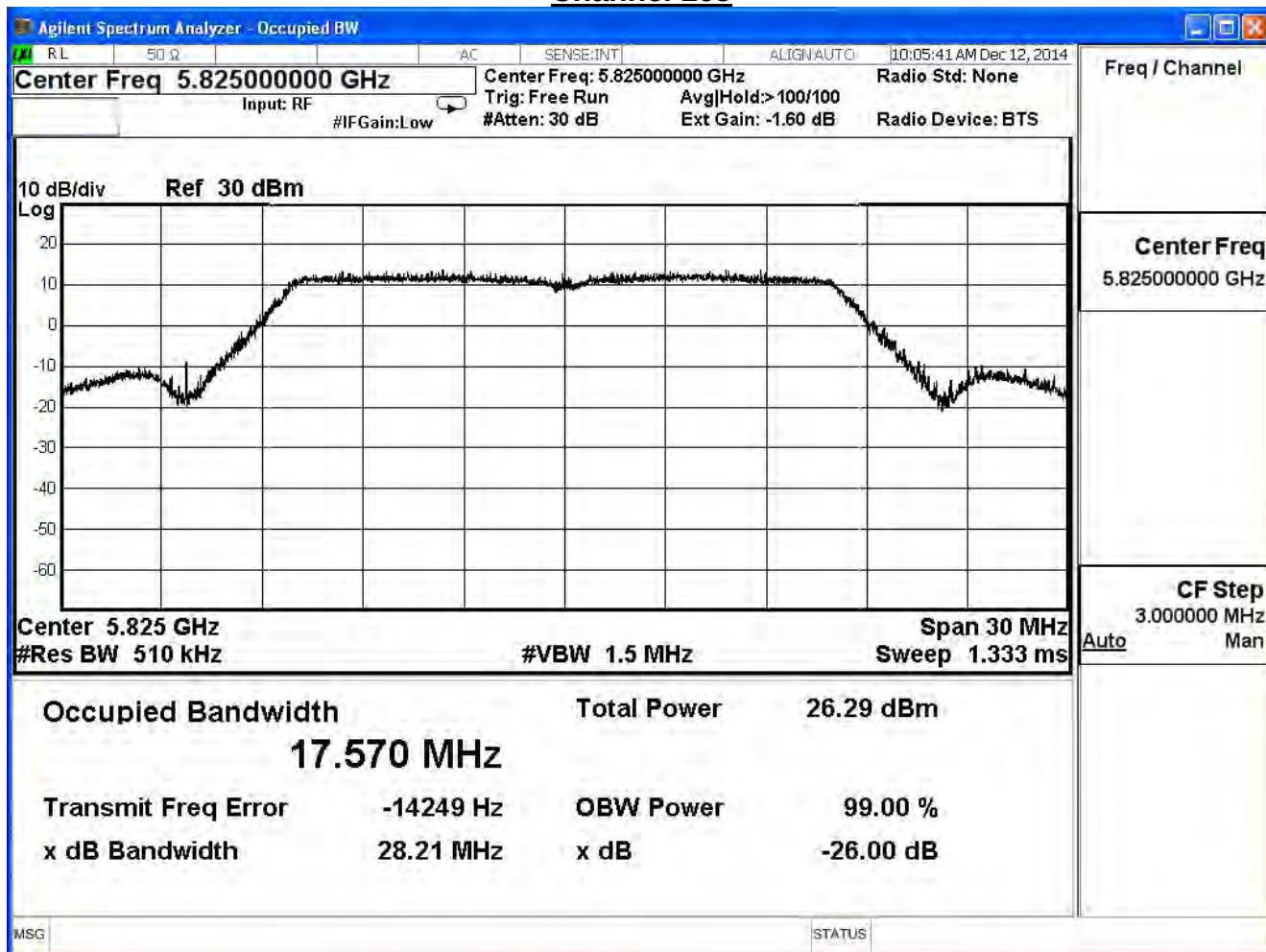
Channel 149



Channel 157



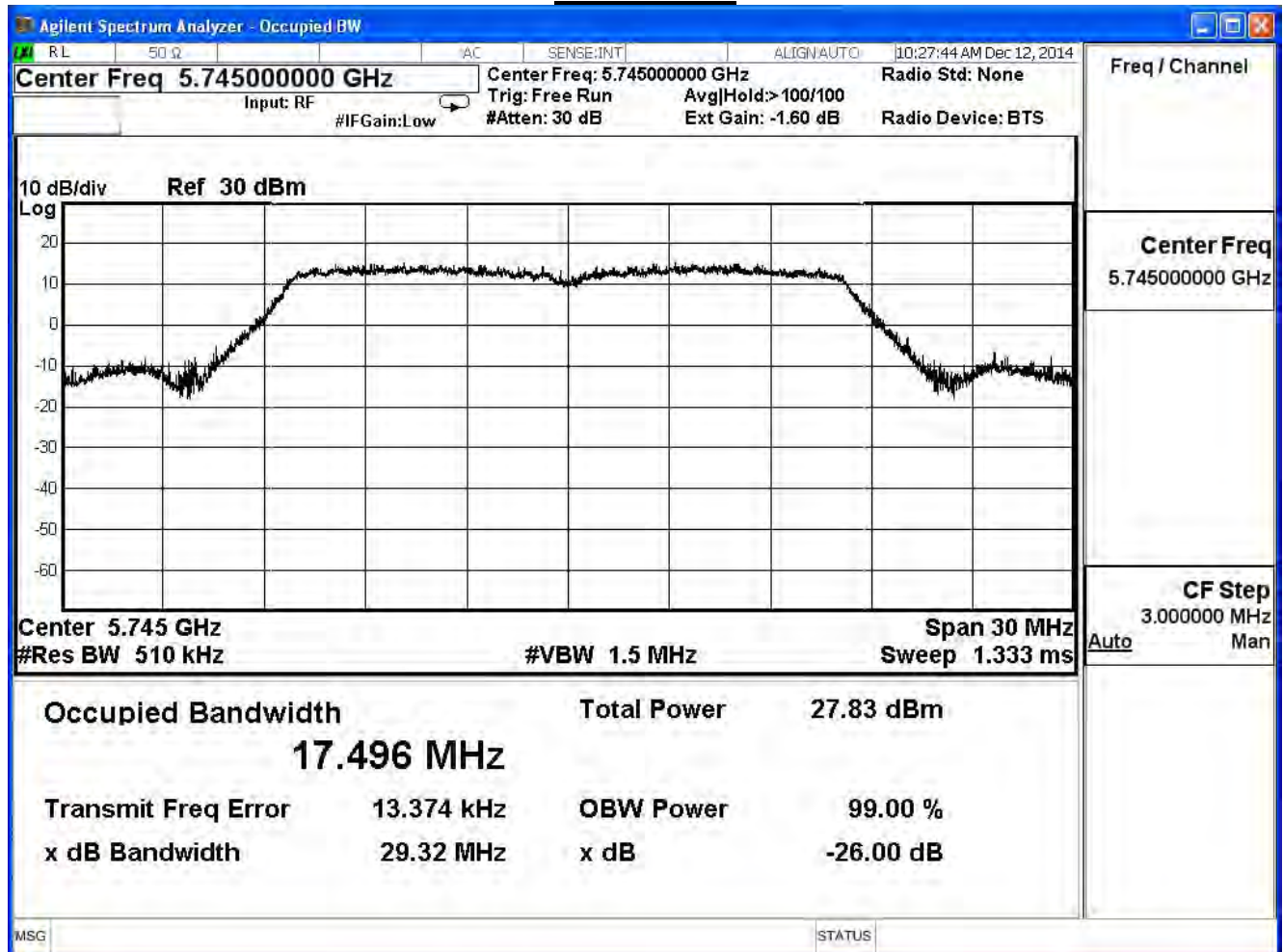
Channel 165



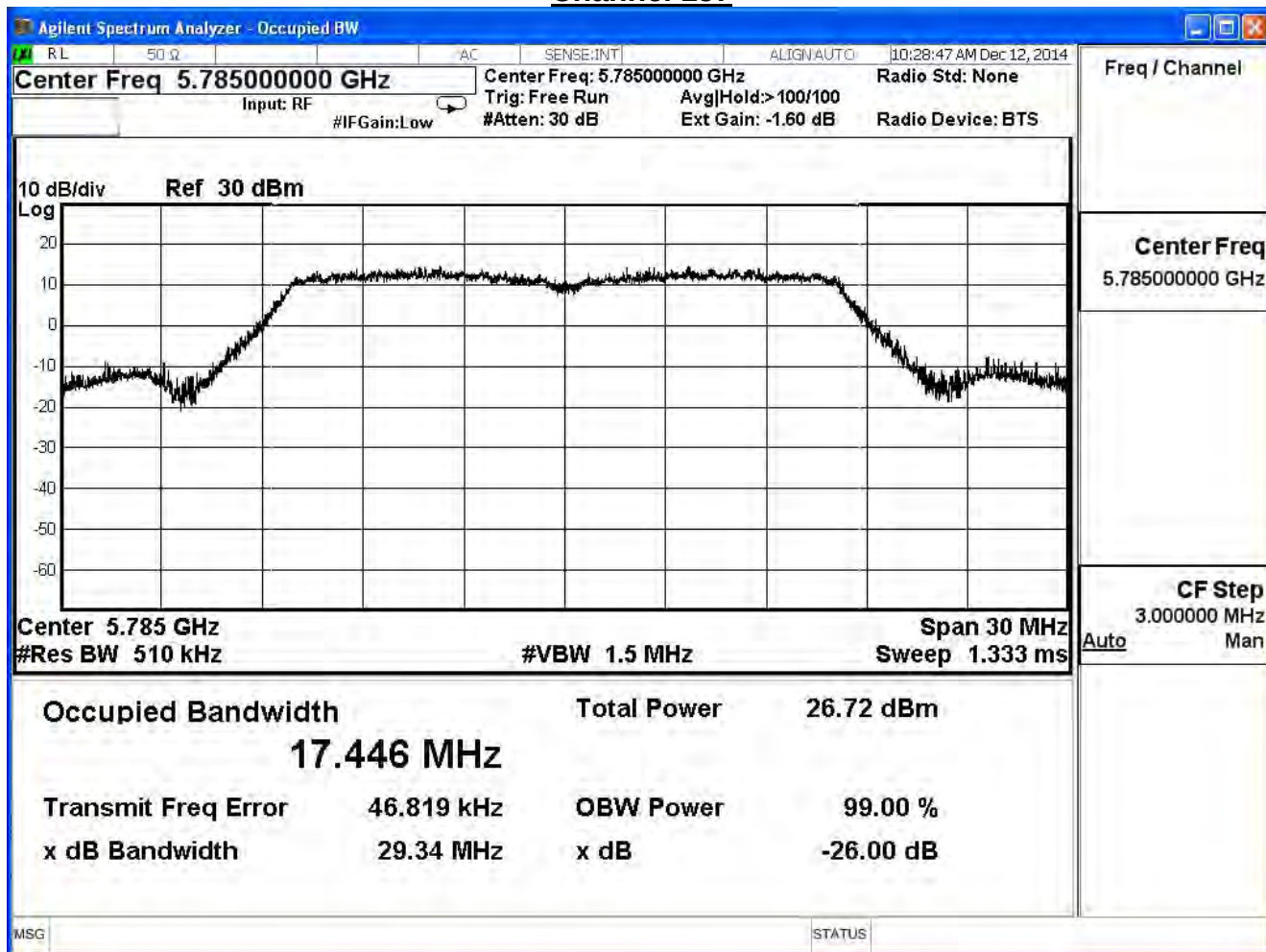
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

802.11 a (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	17.496	--	Pass
157	5785	17.446	--	Pass
165	5825	17.424	--	Pass

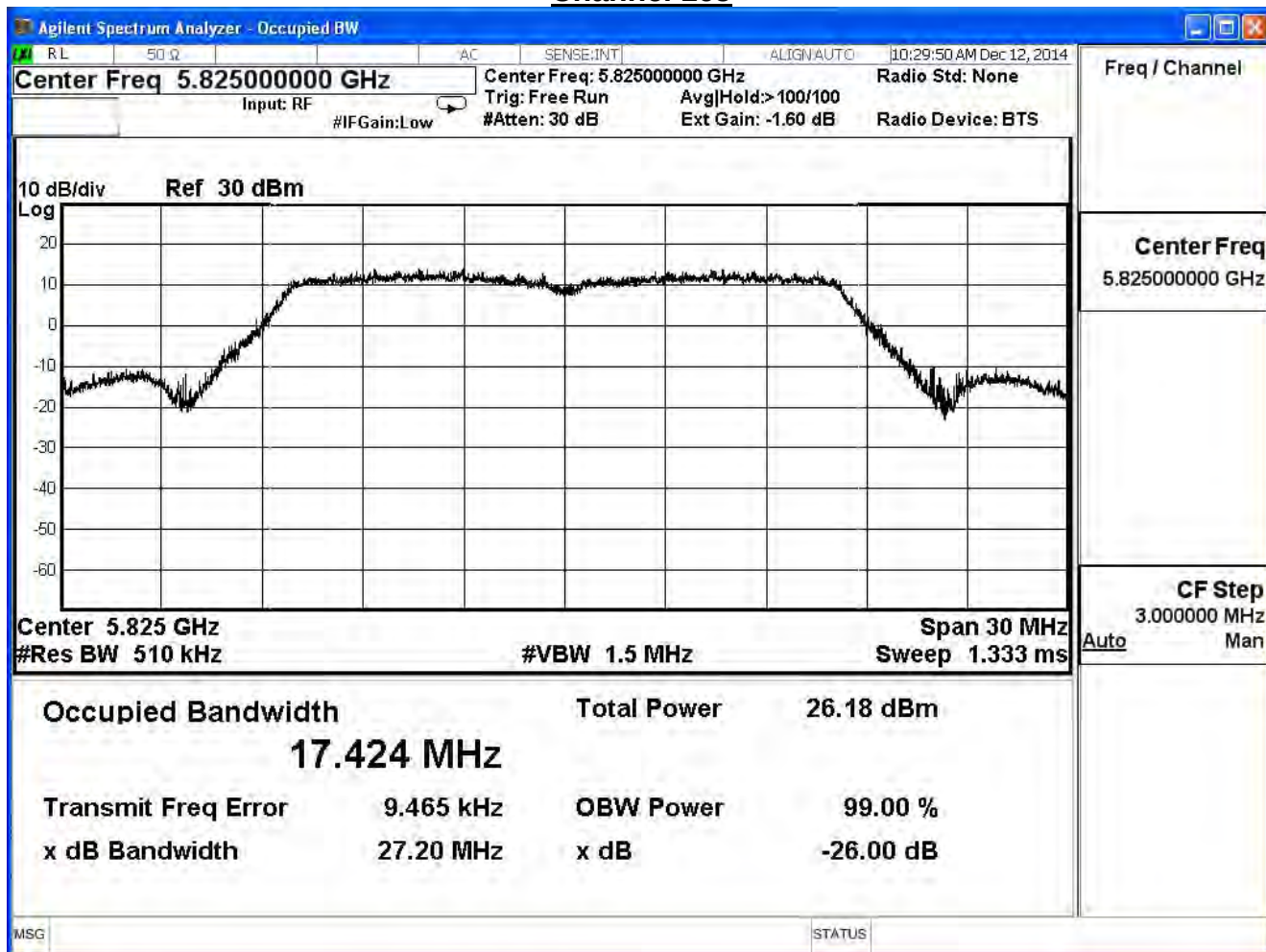
Channel 149



Channel 157



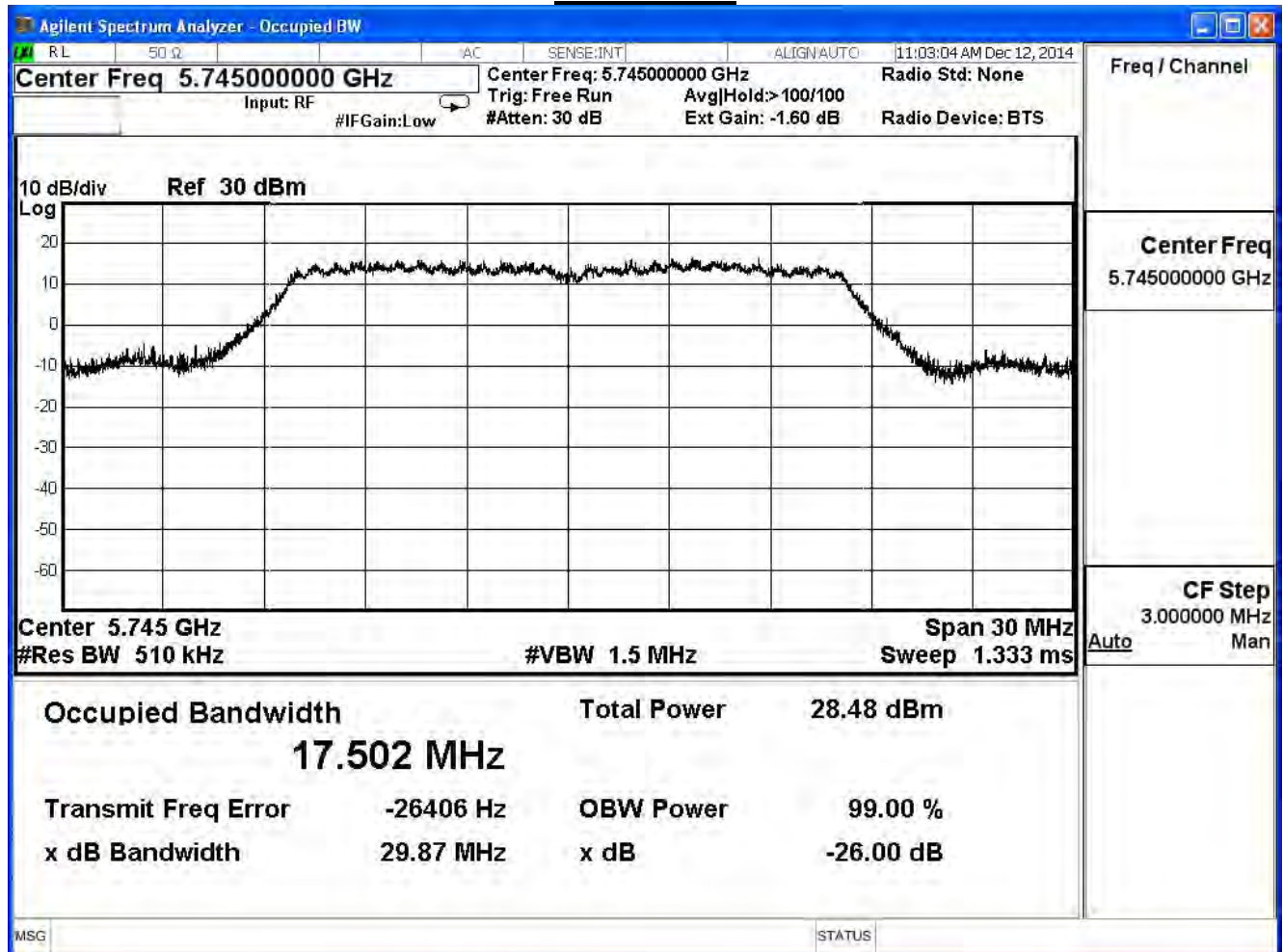
Channel 165



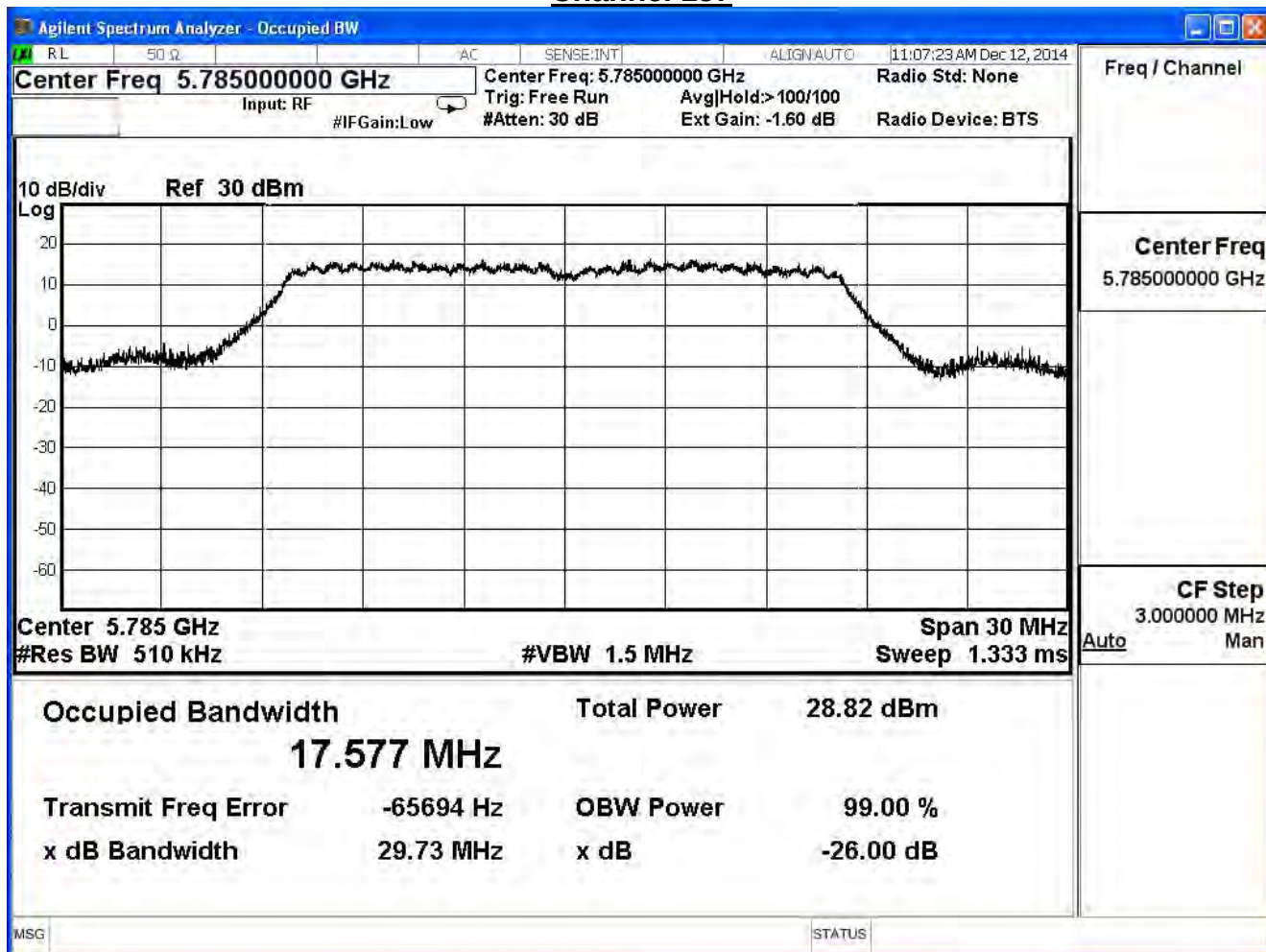
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

802.11 a (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	17.502	--	Pass
157	5785	17.577	--	Pass
165	5825	17.417	--	Pass

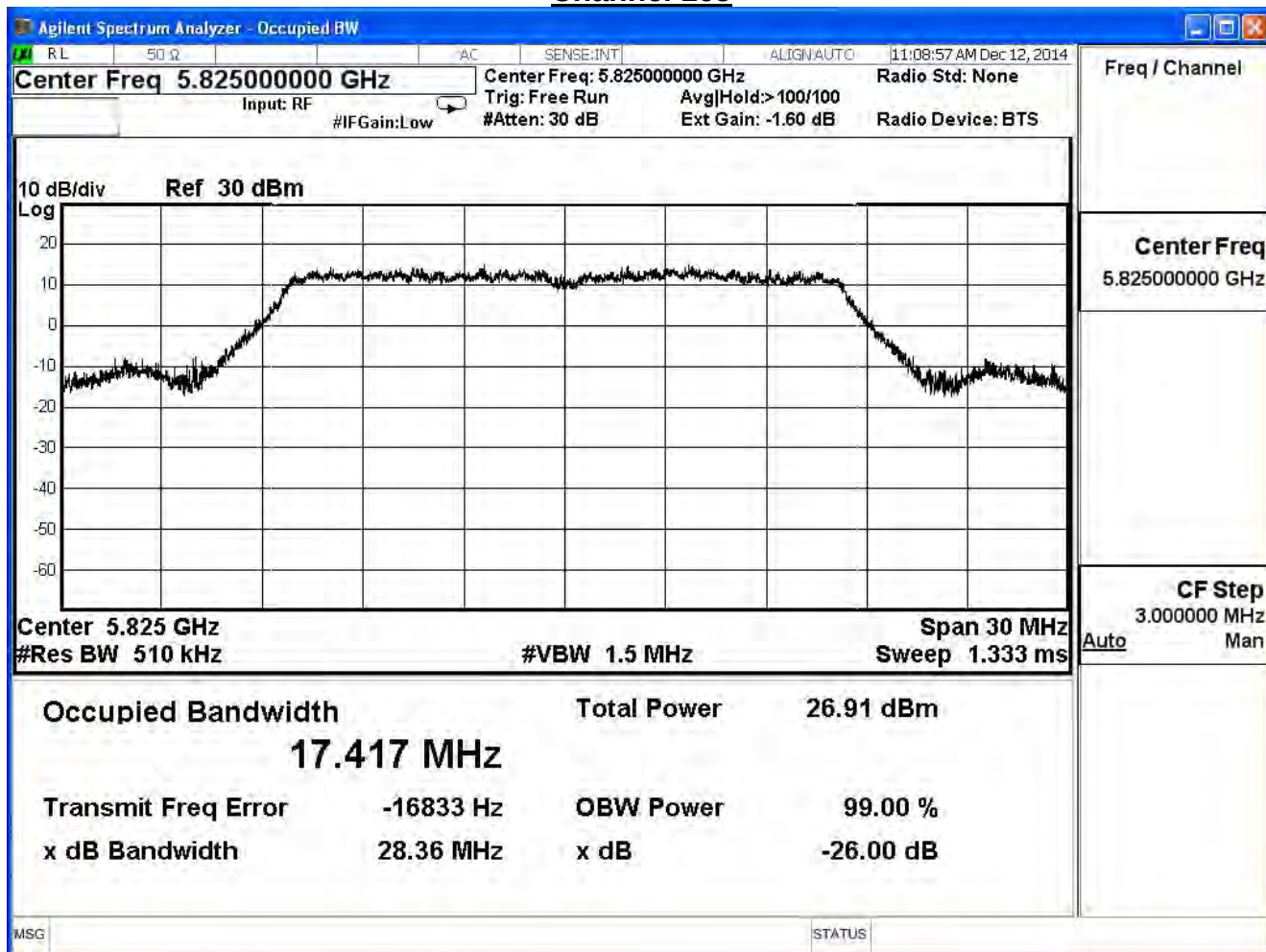
Channel 149



Channel 157



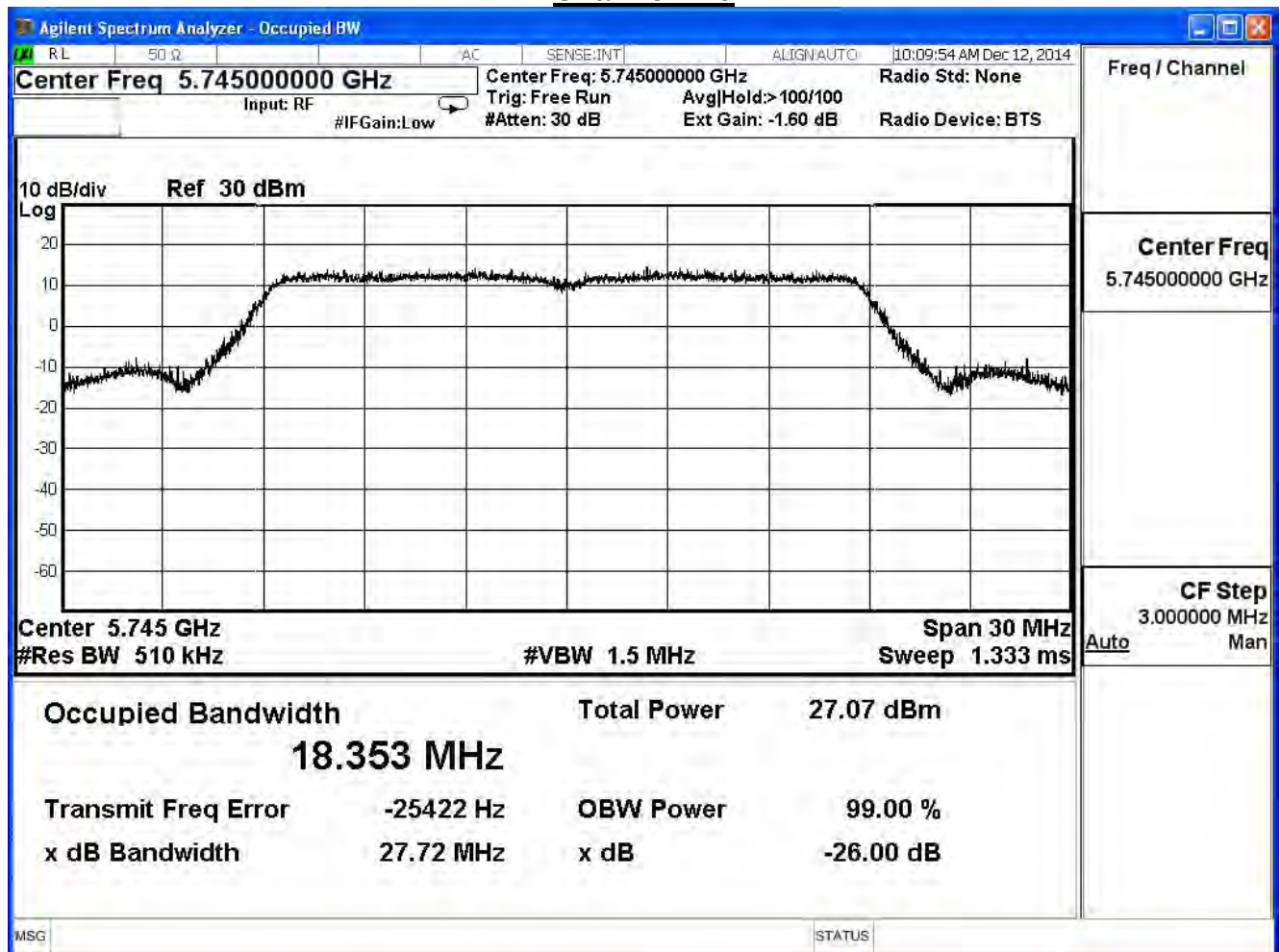
Channel 165



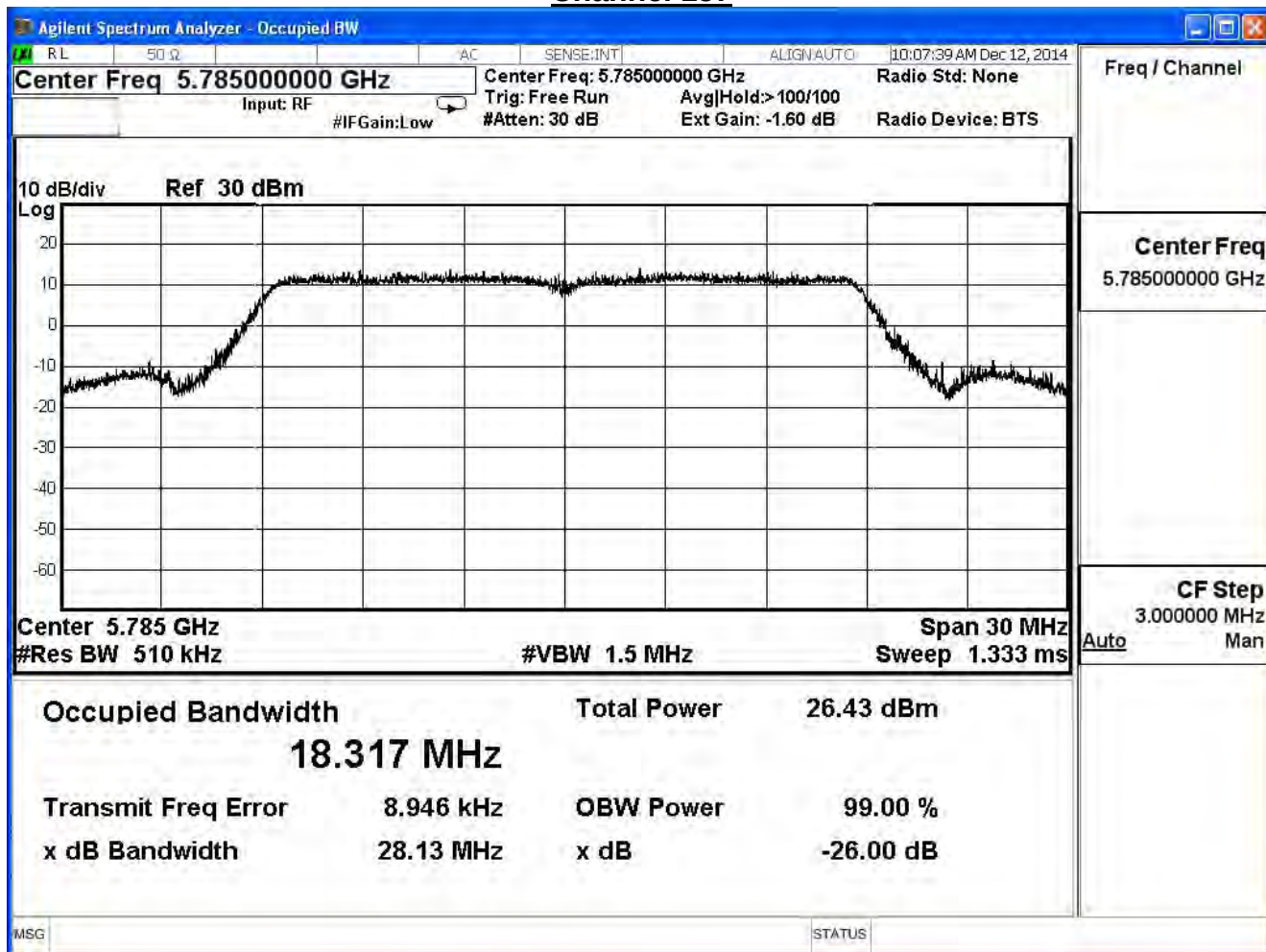
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	18.353	--	Pass
157	5785	18.317	--	Pass
165	5825	18.342	--	Pass

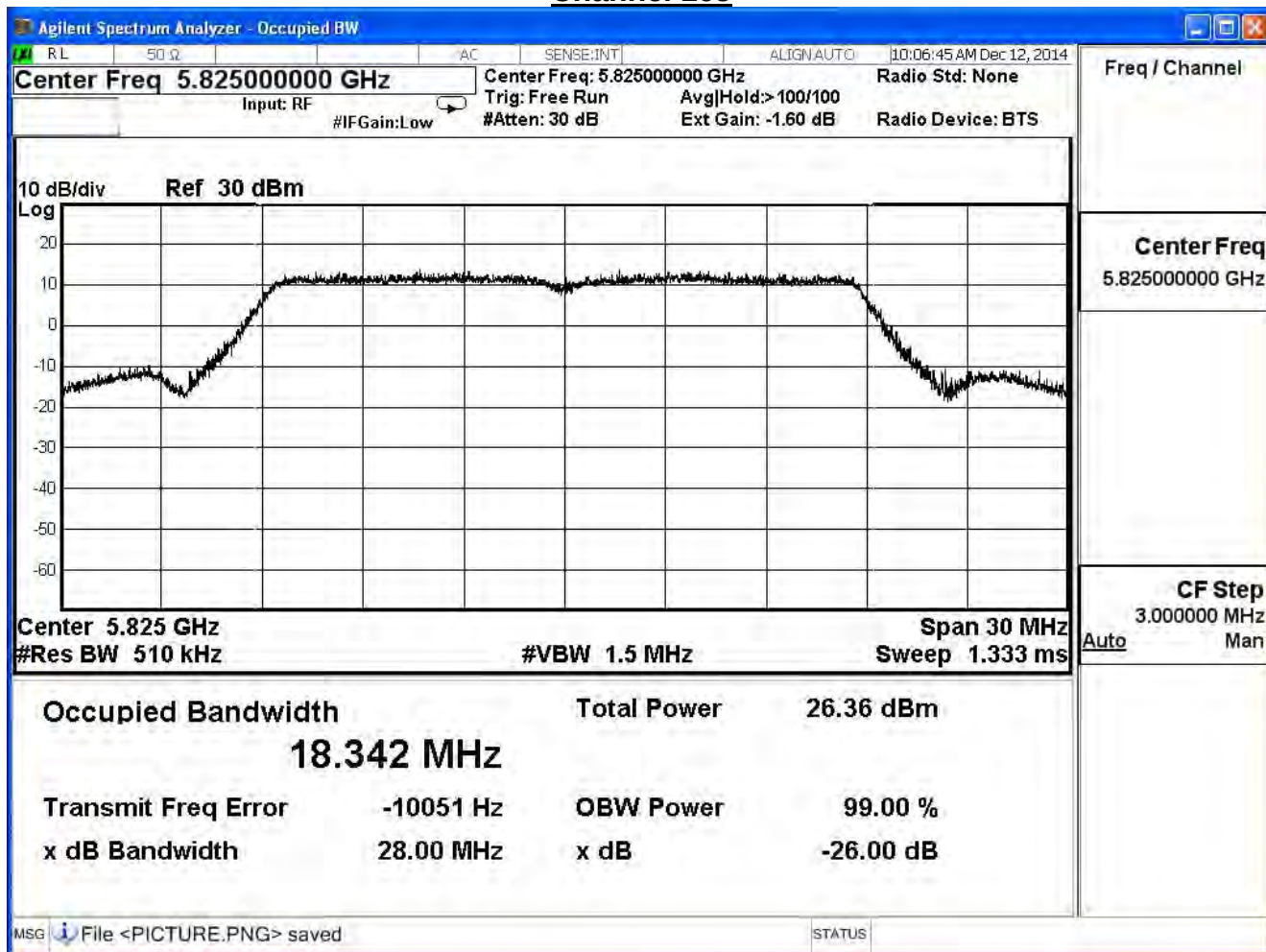
Channel 149



Channel 157



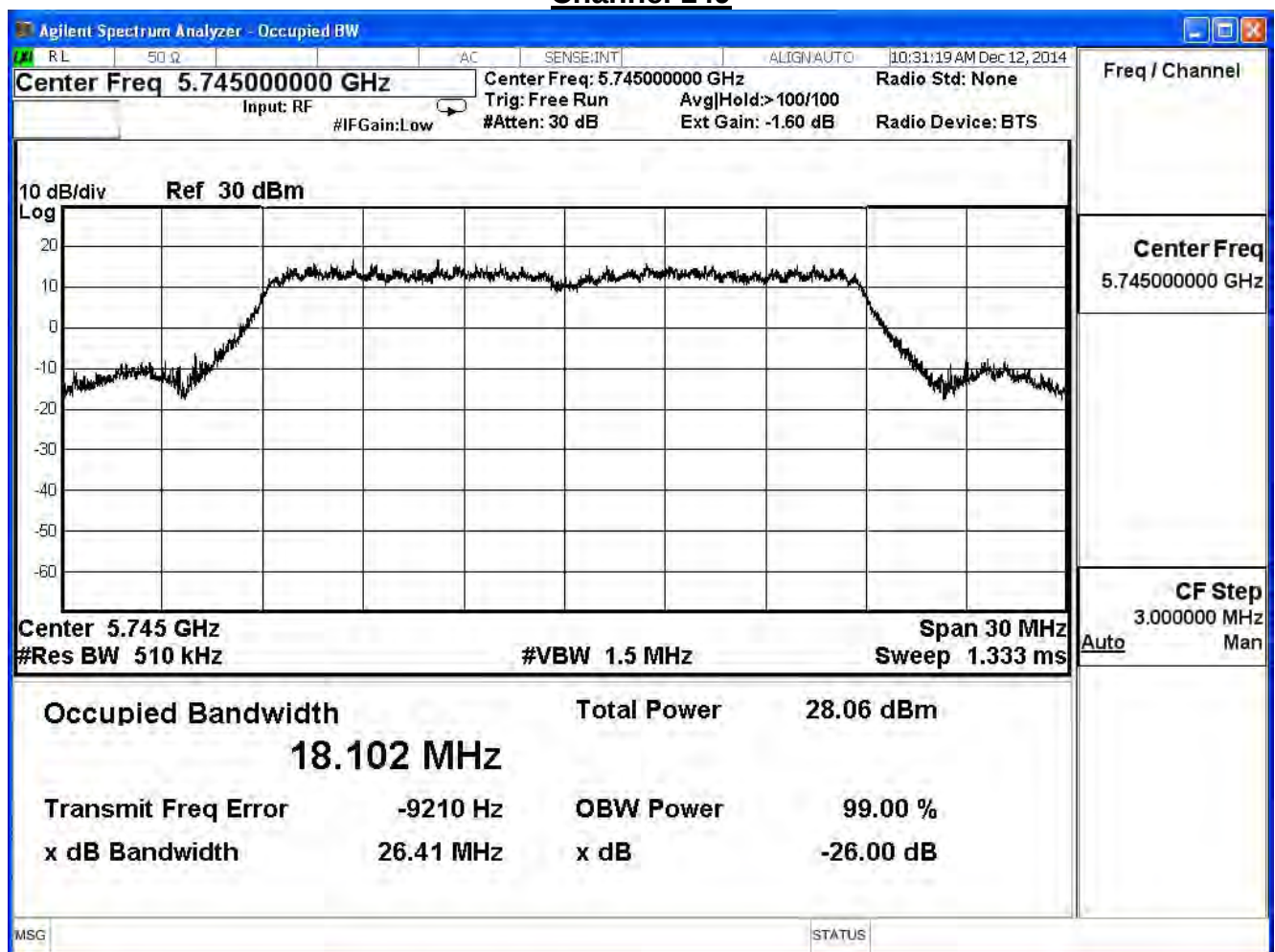
Channel 165



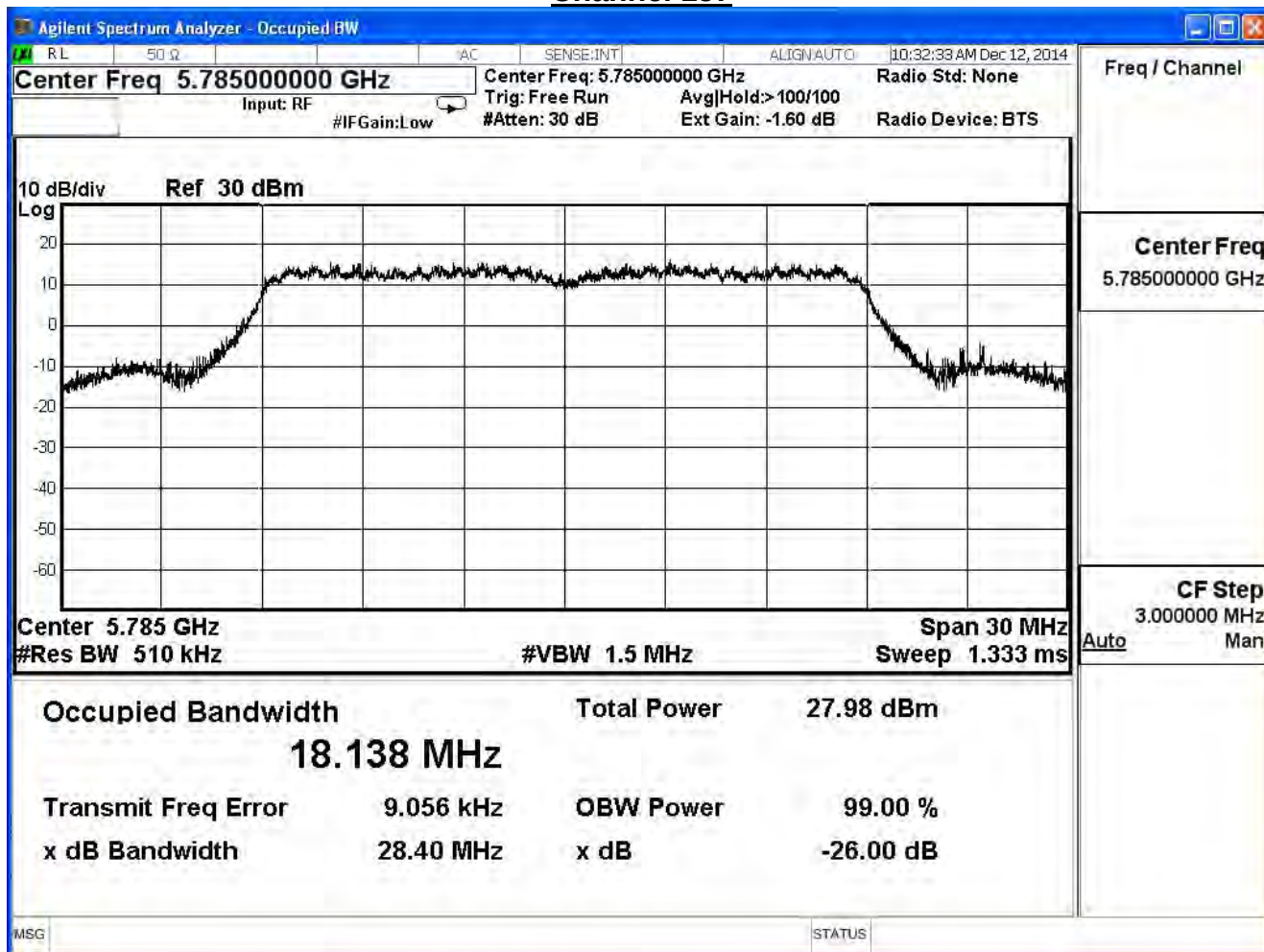
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	18.102	--	Pass
157	5785	18.138	--	Pass
165	5825	18.085	--	Pass

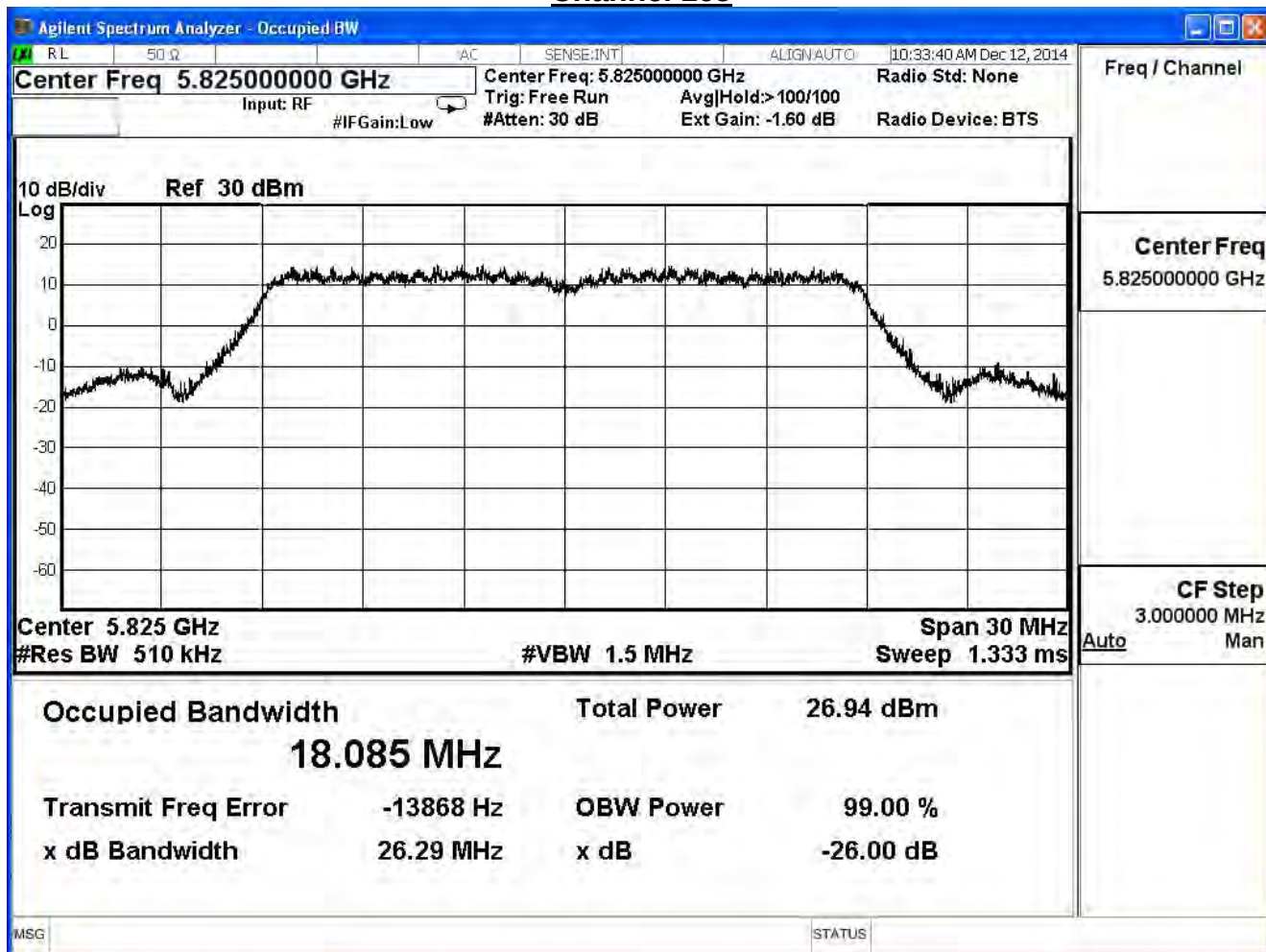
Channel 149



Channel 157



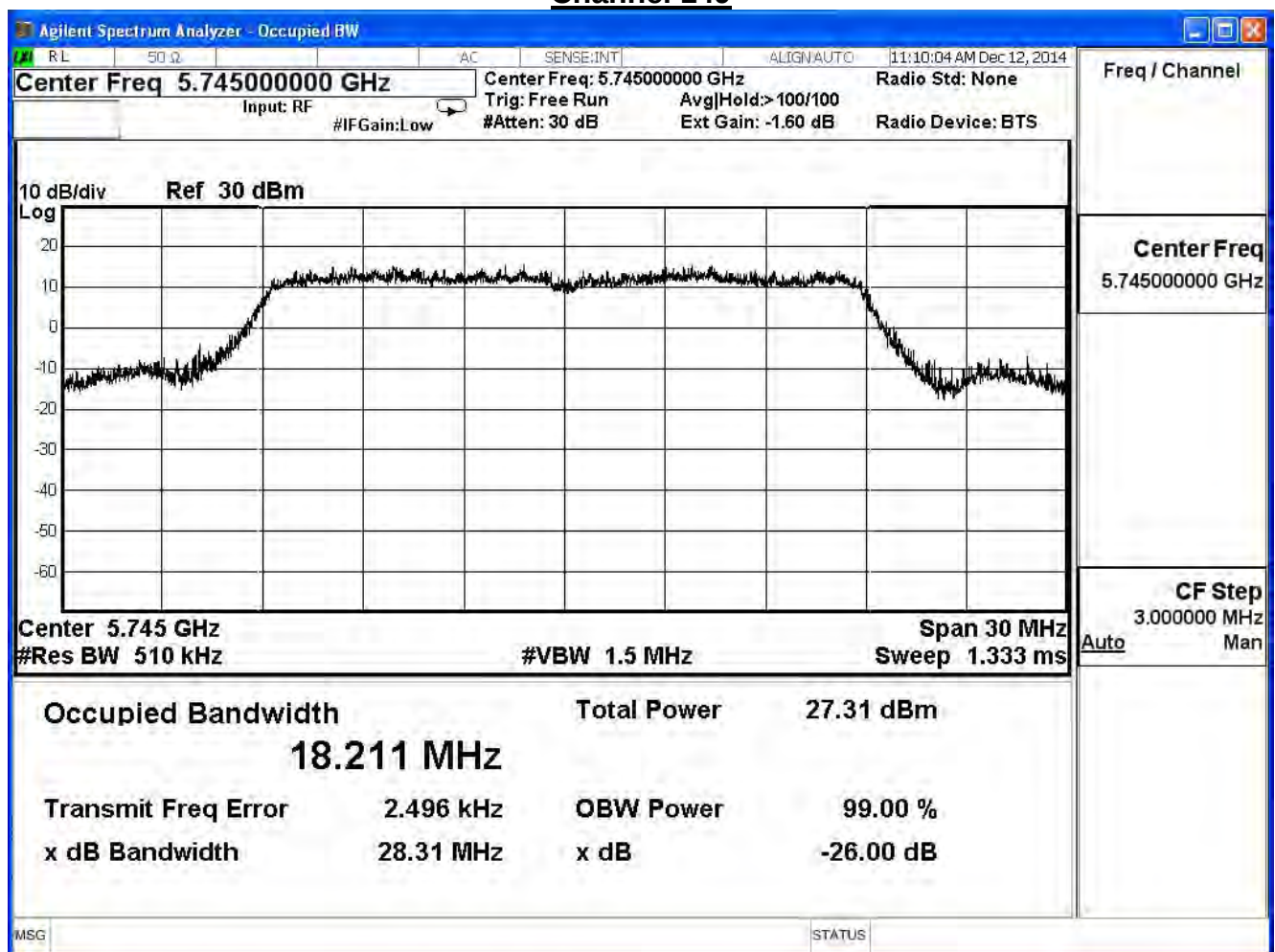
Channel 165



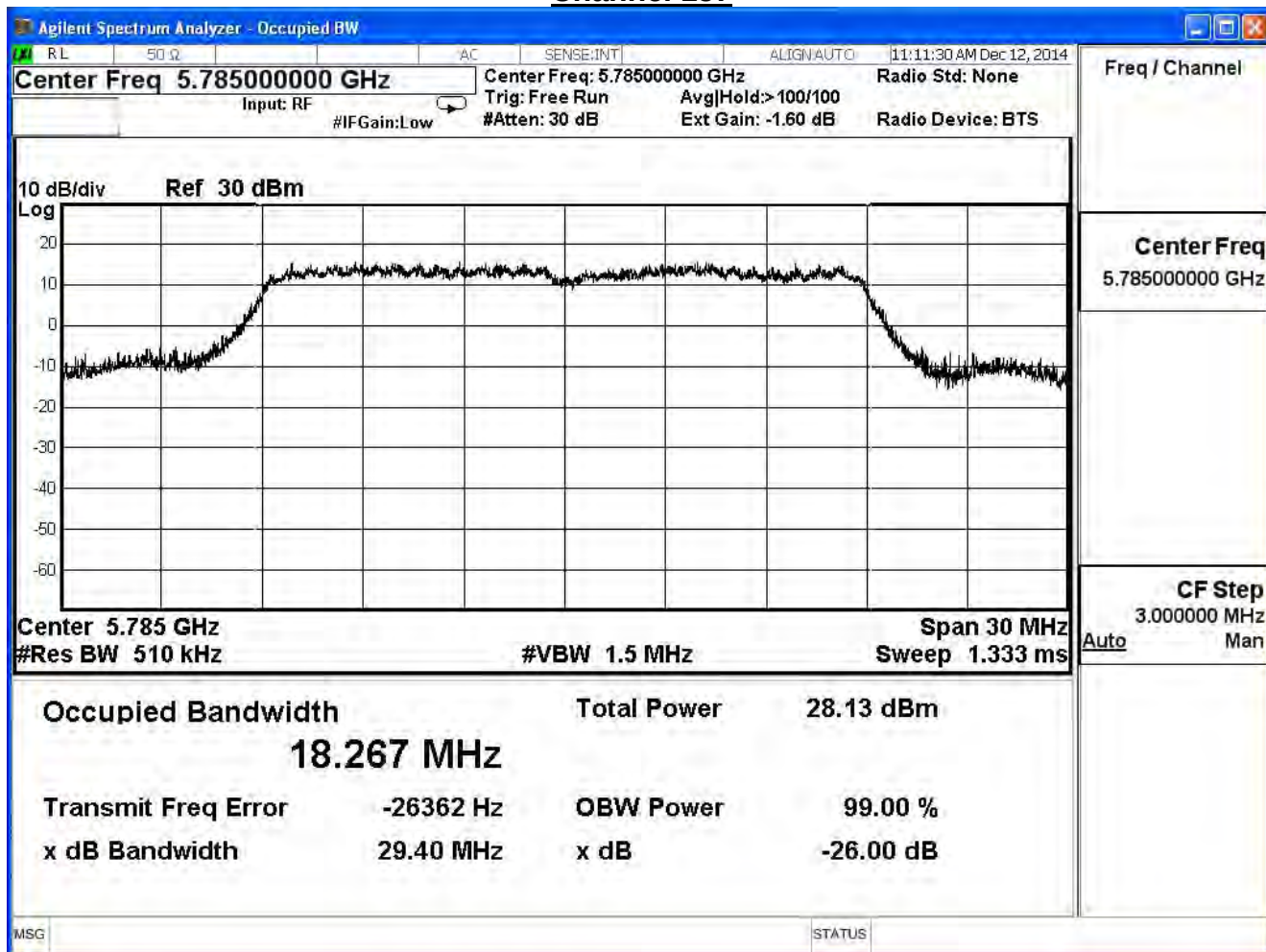
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	18.211	--	Pass
157	5785	18.267	--	Pass
165	5825	18.281	--	Pass

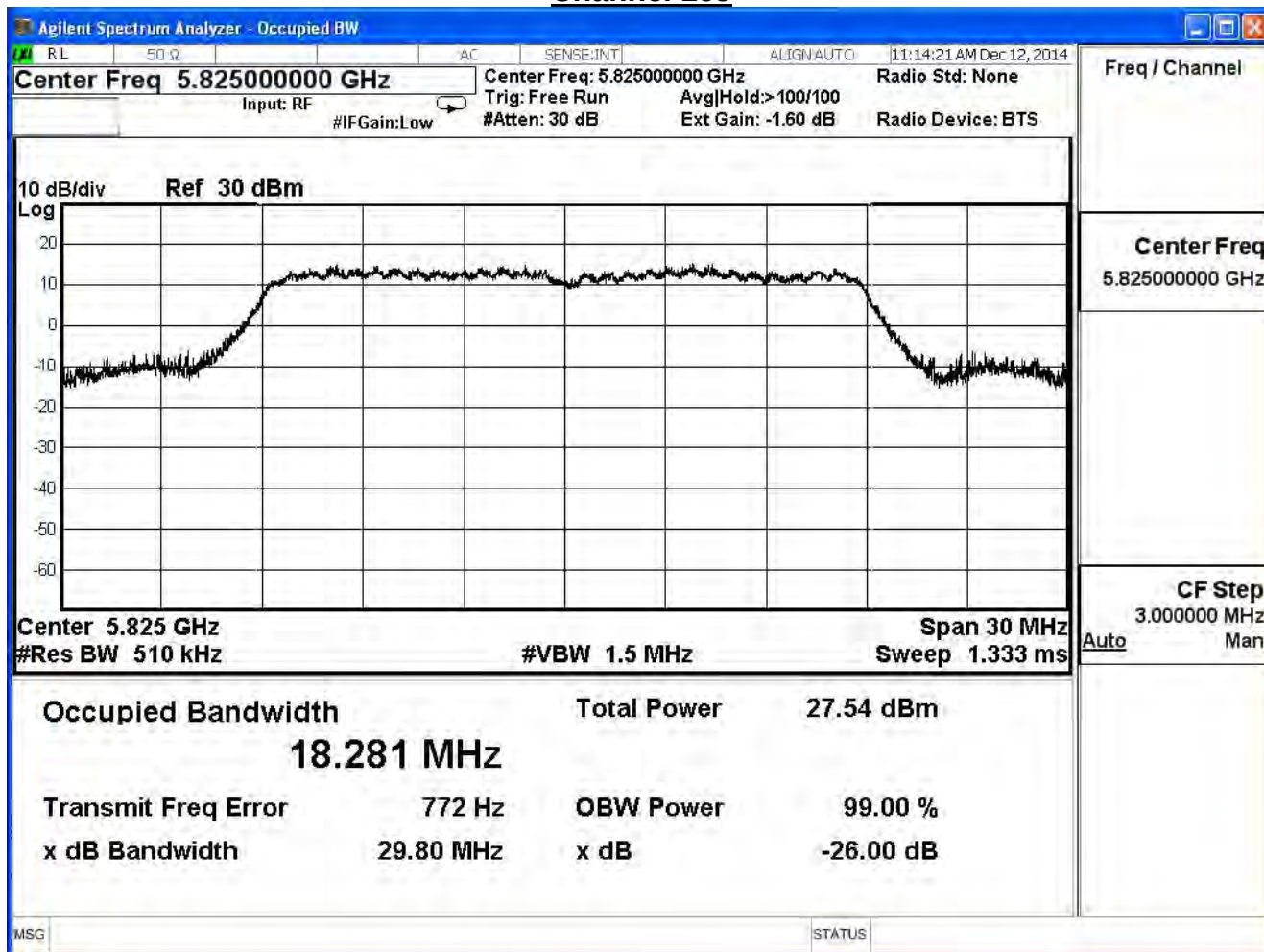
Channel 149



Channel 157



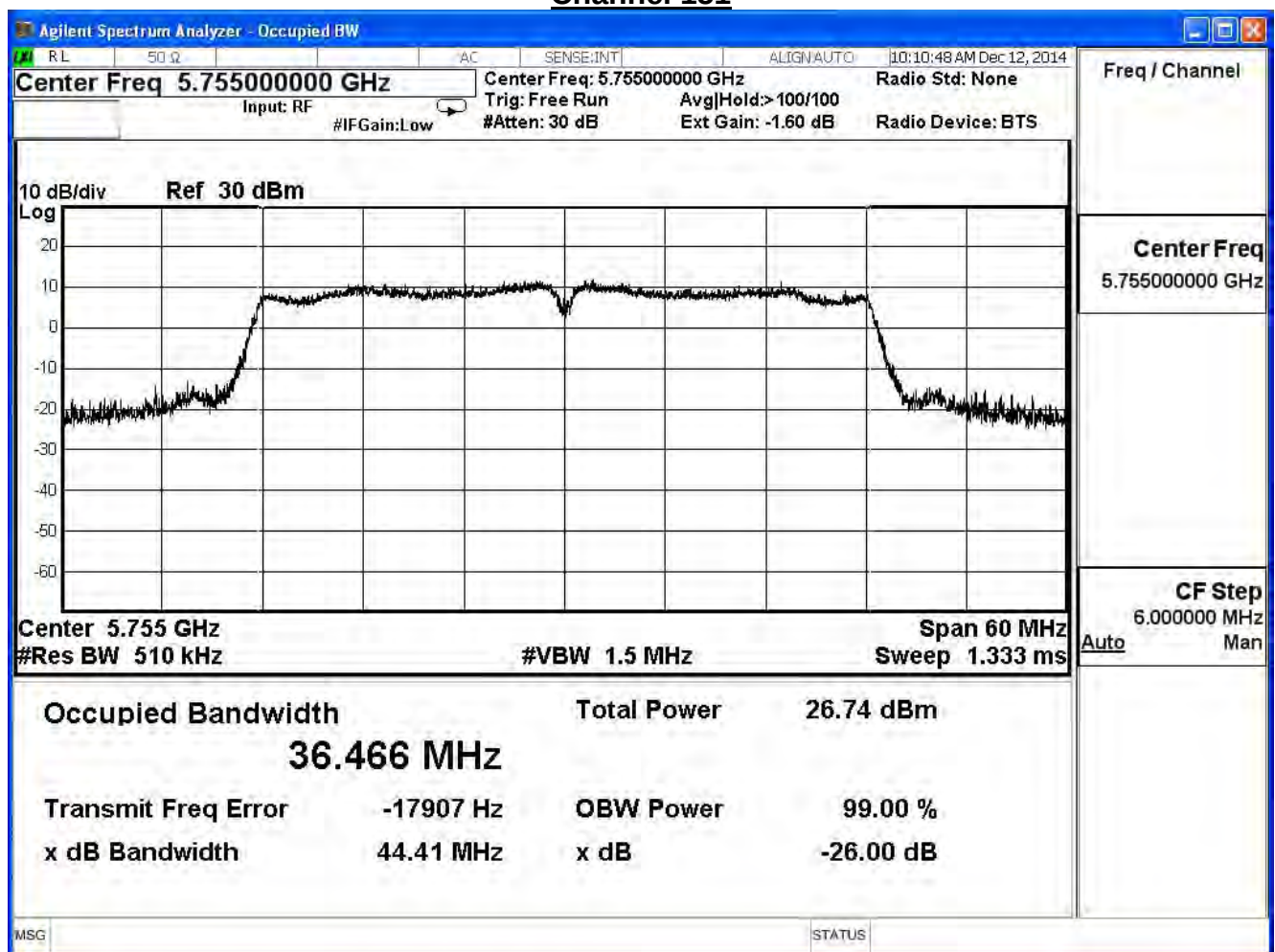
Channel 165



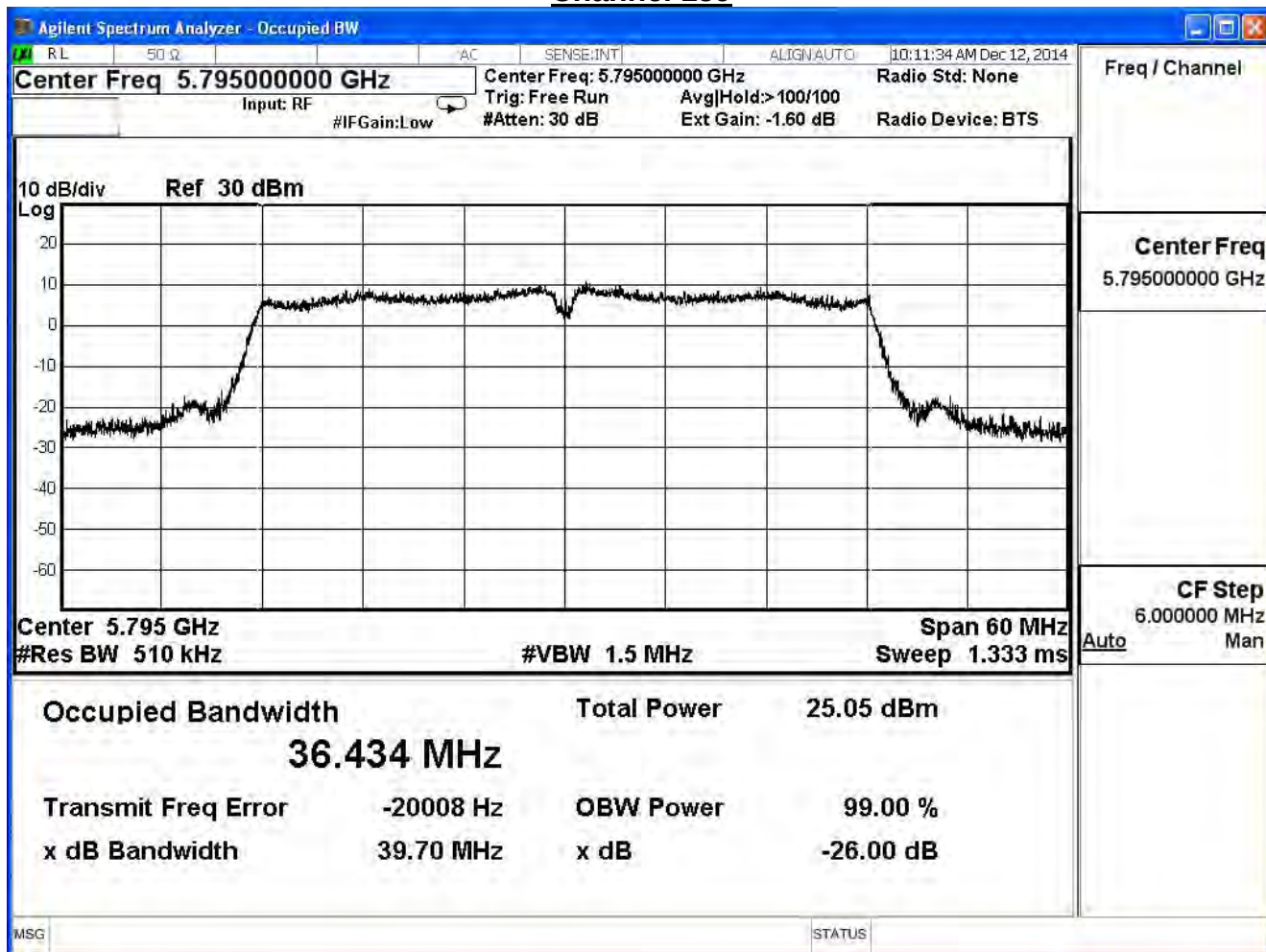
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.466	--	Pass
159	5795	36.434	--	Pass

Channel 151



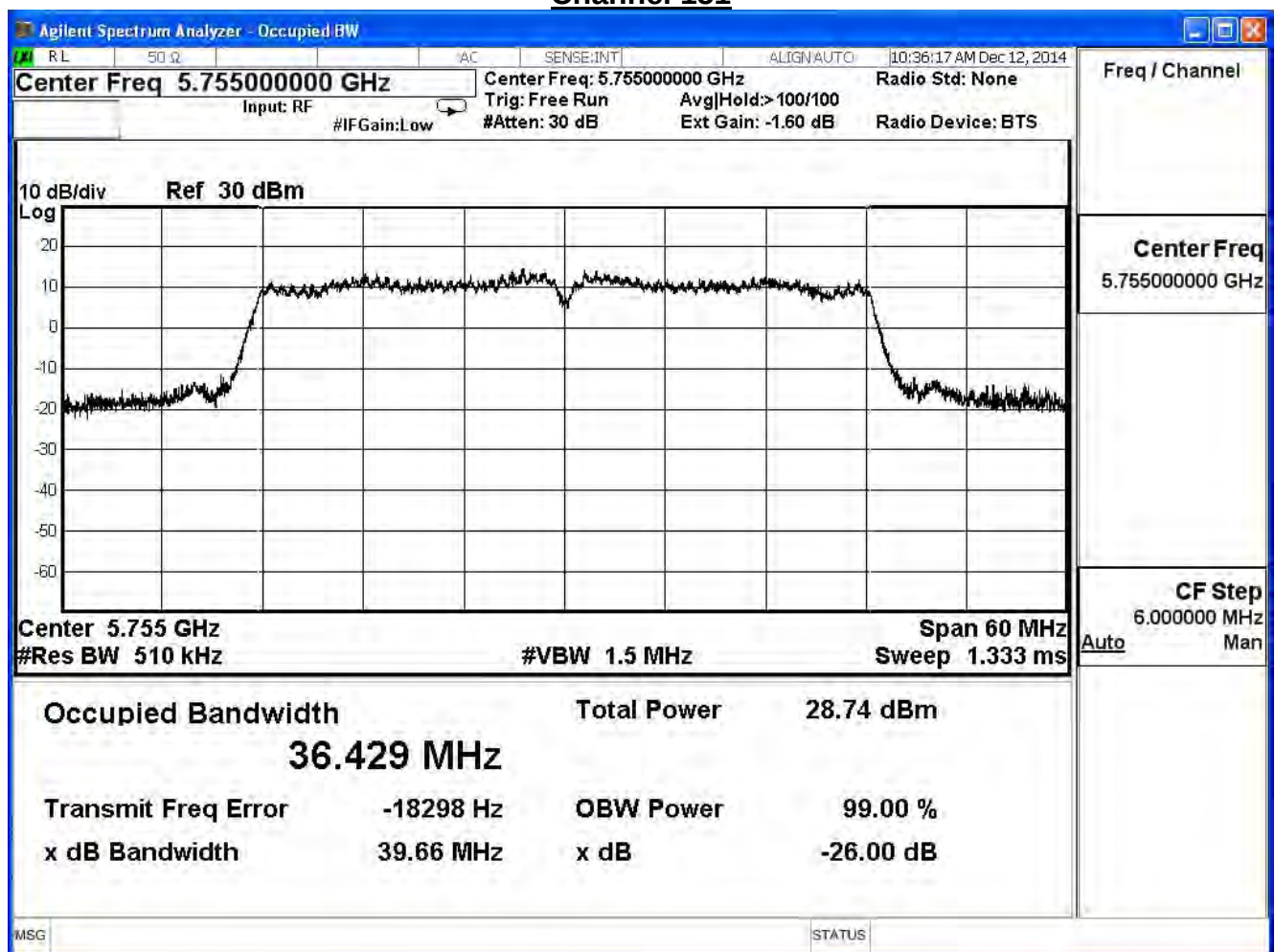
Channel 159



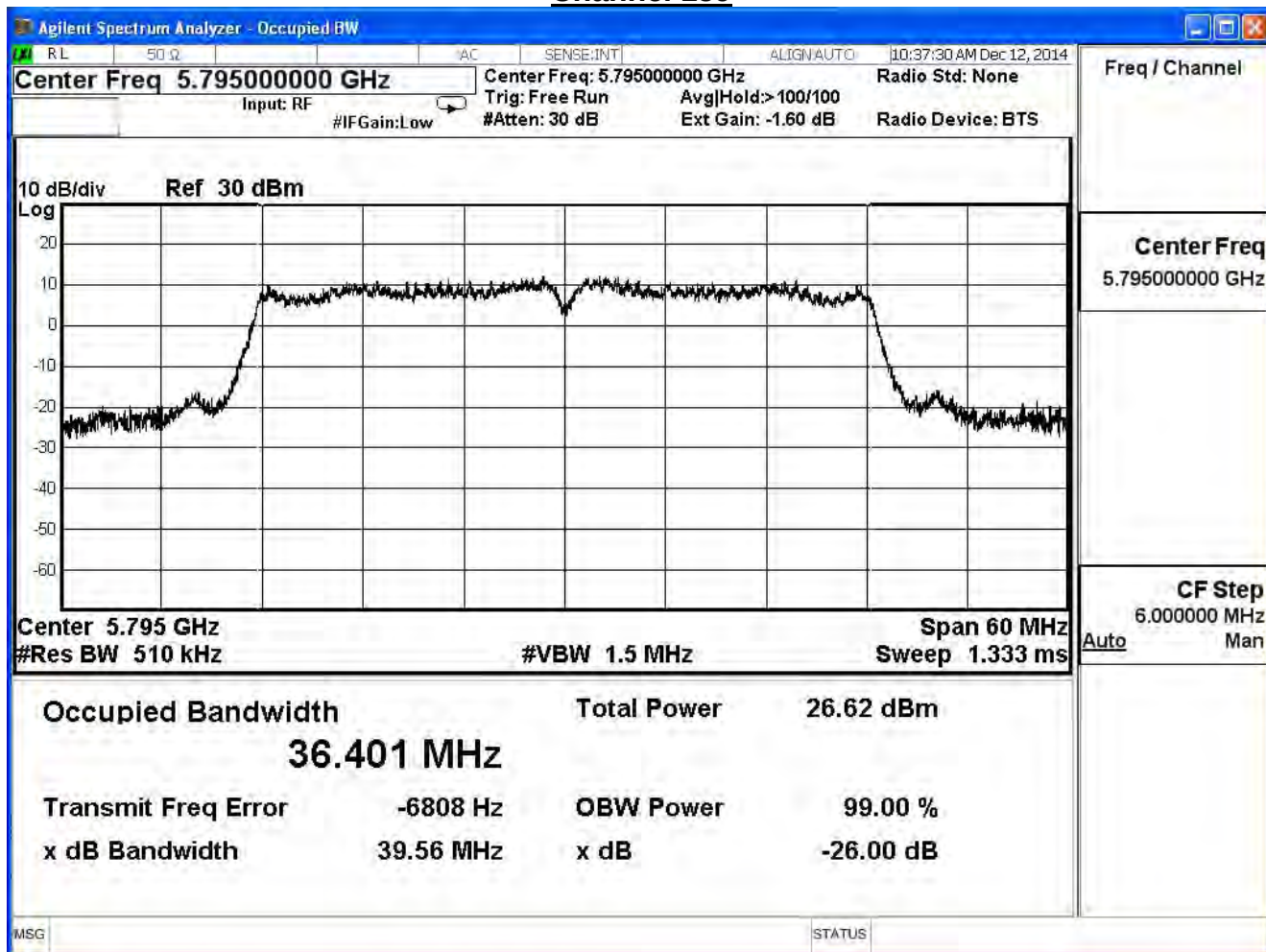
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.429	--	Pass
159	5795	36.401	--	Pass

Channel 151



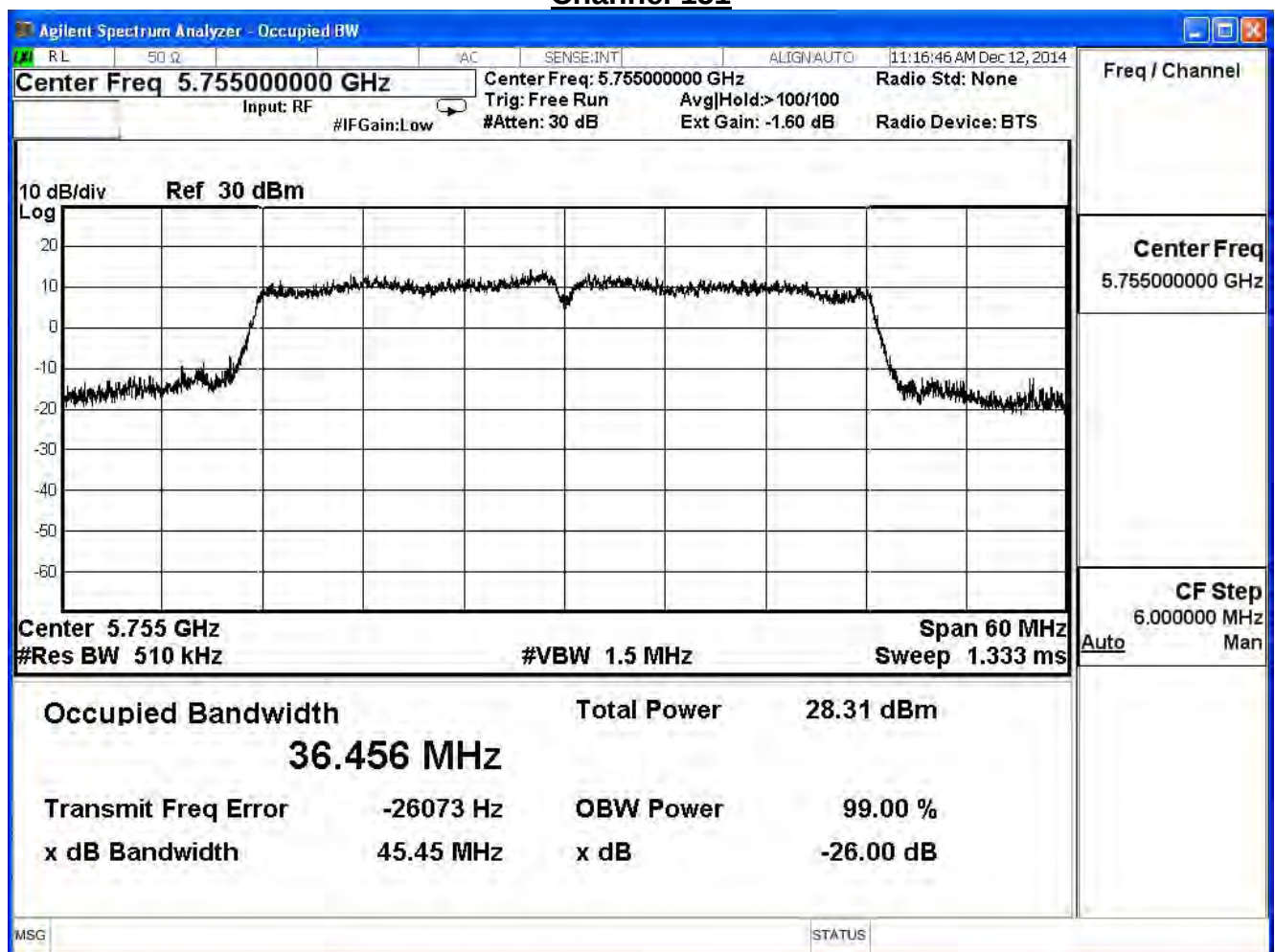
Channel 159



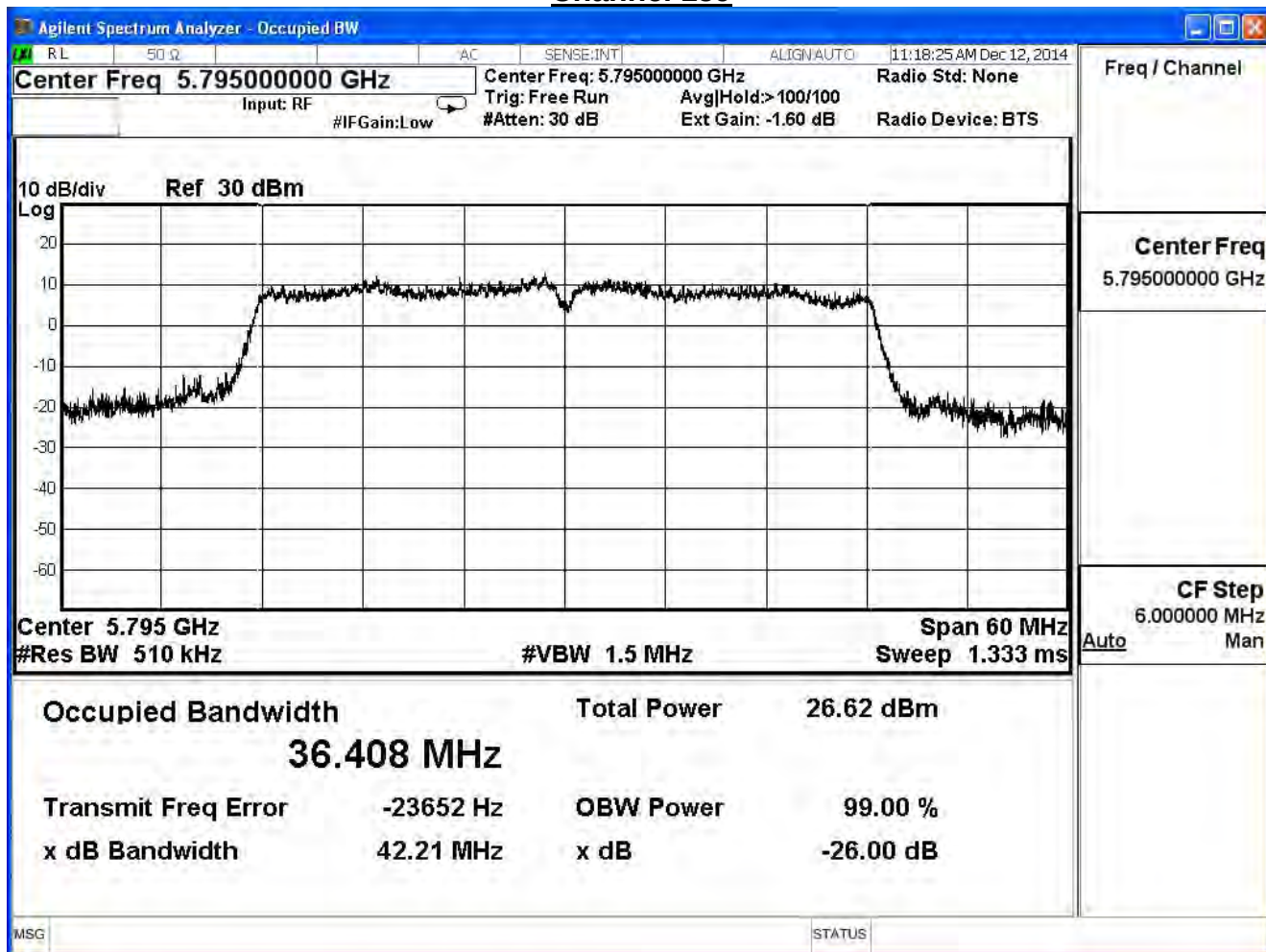
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2014/12/21	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.456	--	Pass
159	5795	36.408	--	Pass

Channel 151



Channel 159



9. Power Density

9.1. Test Equipment

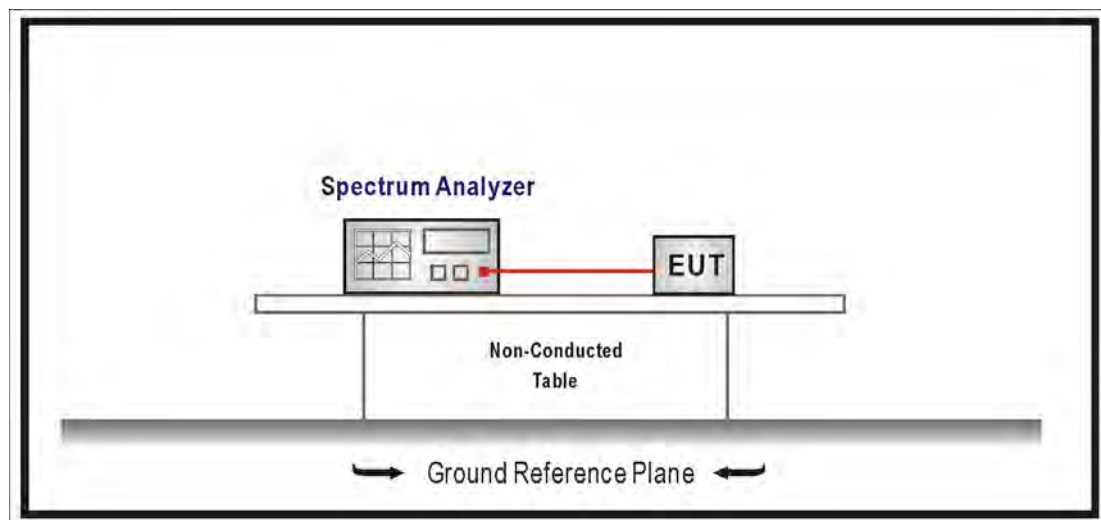
The following test equipment is used during the test:

Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

9.2. Test Setup



9.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

9.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements. Set $3\text{KHz} \leq \text{RBW} \leq 100\text{ kHz}$, Set $\text{VBW} \geq 3 \times \text{RBW}$, Sweep time=Auto, Set Peak detector; The tested according to section E)c) of KDB662911 v02v01.

9.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

9.6. Uncertainty

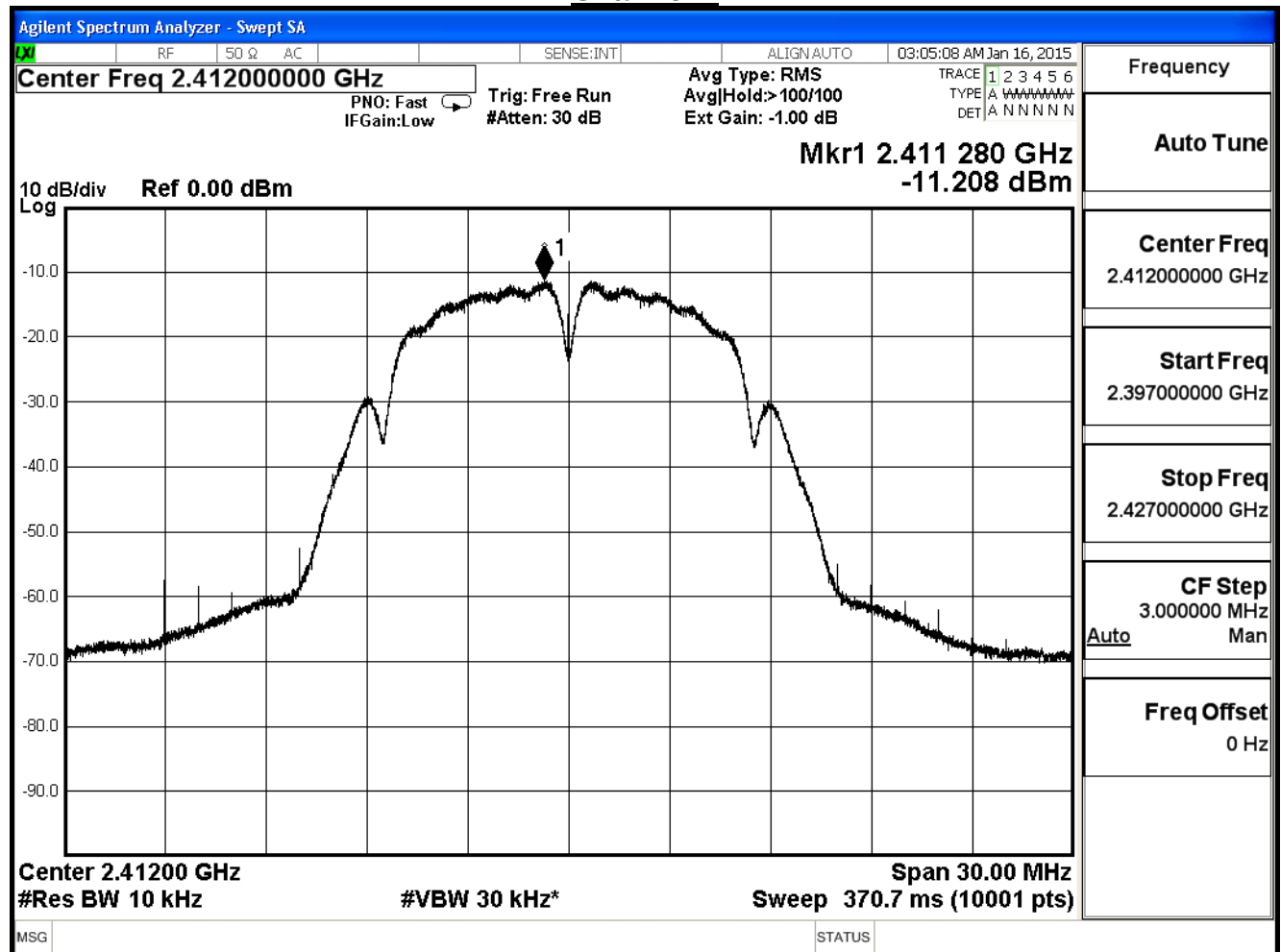
The measurement uncertainty is defined as $\pm 1.27\text{dB}$.

9.7. Test Result

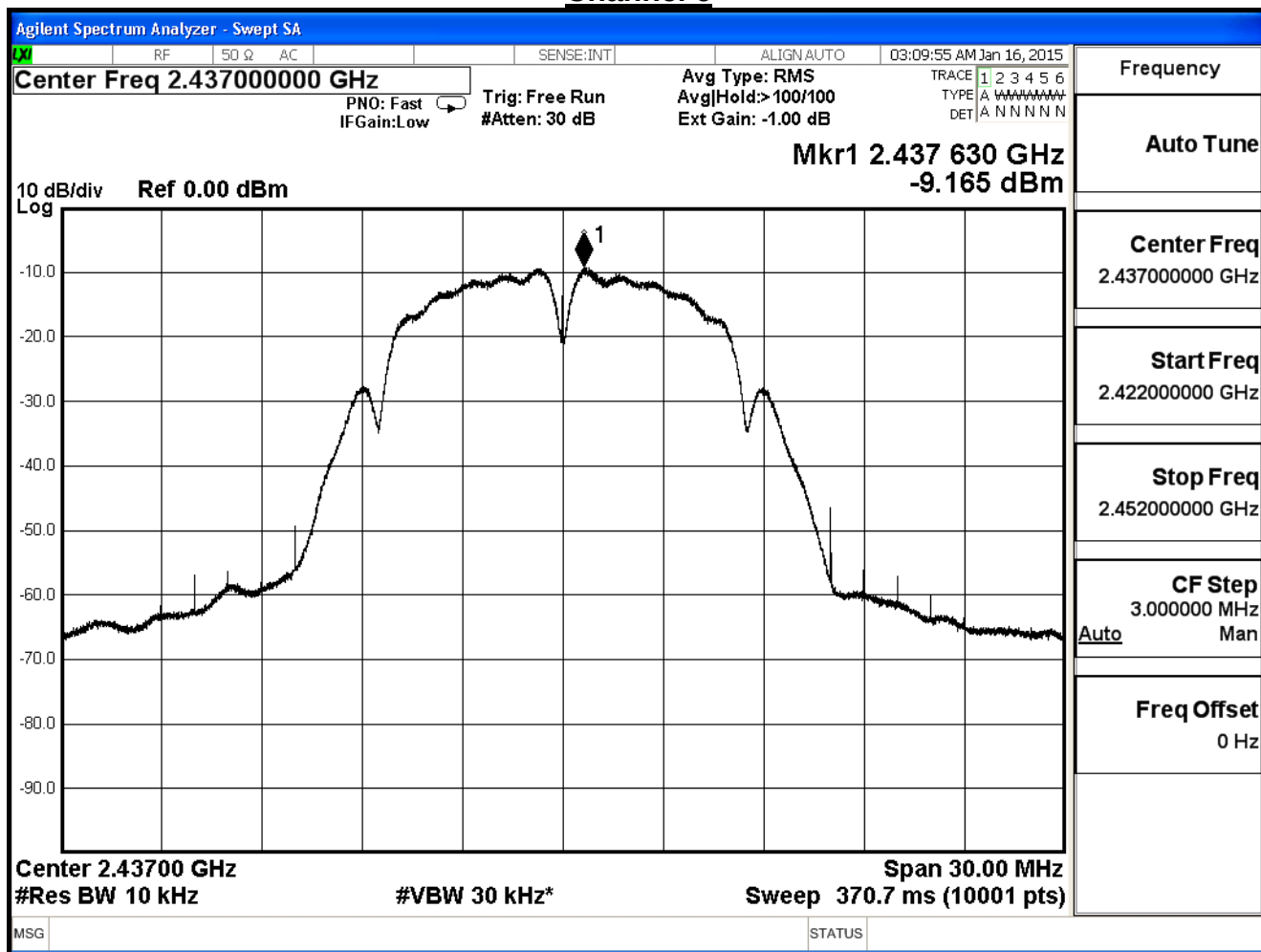
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.208	≤ 8	Pass
6	2437	-9.165	≤ 8	Pass
11	2462	-11.109	≤ 8	Pass

Channel 1



Channel 6



Agilent Spectrum Analyzer - Swept SA

RF 50 Ω AC SENSE:INT ALIGN AUTO 03:14:36 AM Jan 16, 2015

Center Freq 2.46200000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB Avg Type: RMS Avg|Hold: >100/100 Ext Gain: -1.00 dB

TRACE 1 2 3 4 5 6 TYPE A W W W W W W W W DET A N N N N N N

Mkr1 2.461 289 GHz -11.109 dBm

10 dB/div Ref 0.00 dBm Log

Center Freq 2.46200000 GHz

Start Freq 2.447000000 GHz

Stop Freq 2.477000000 GHz

CF Step 3.000000 MHz Auto Man

Freq Offset 0 Hz

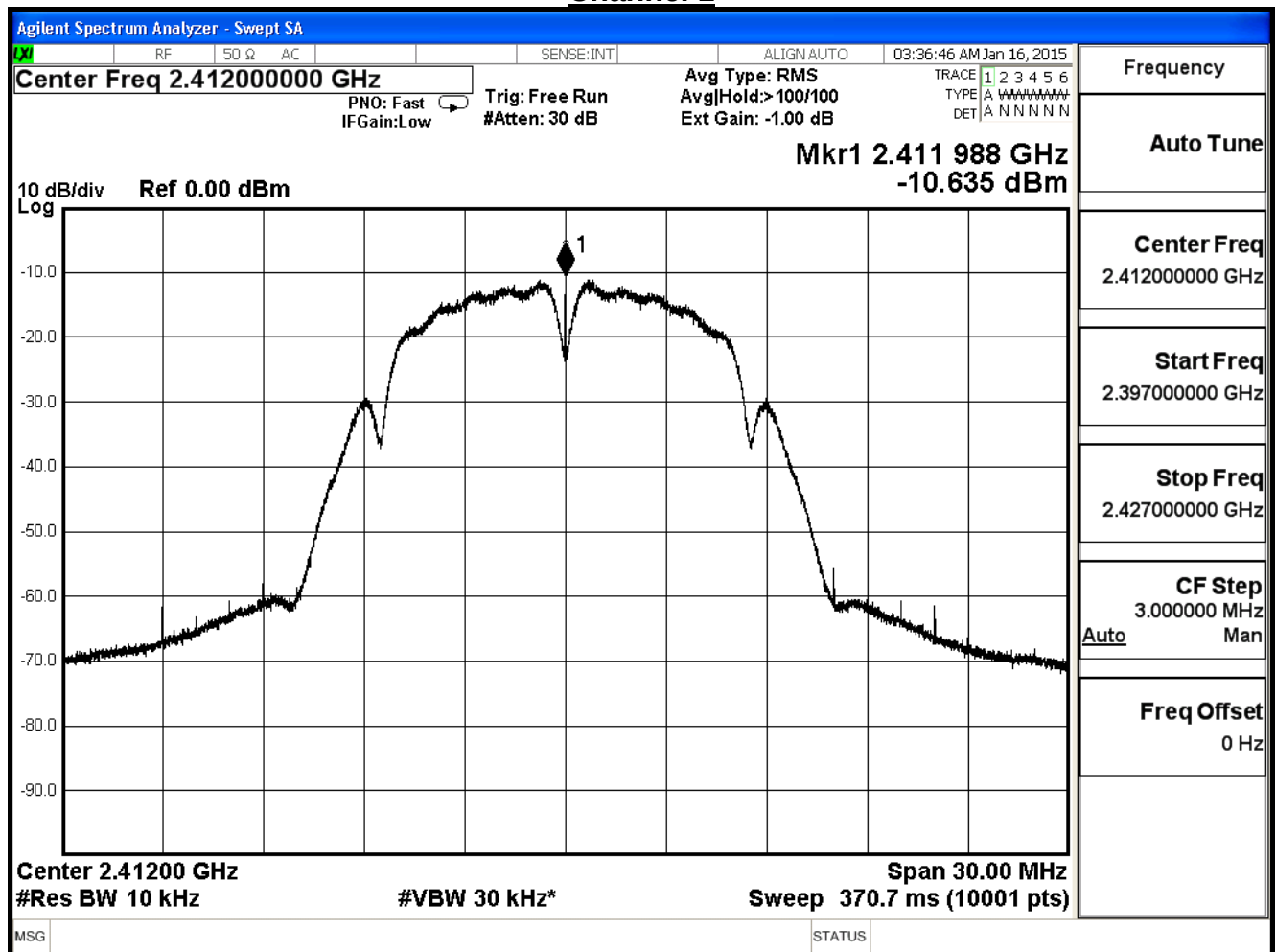
Center 2.46200 GHz Span 30.00 MHz #Res BW 10 kHz #VBW 30 kHz* Sweep 370.7 ms (10001 pts)

MSG STATUS

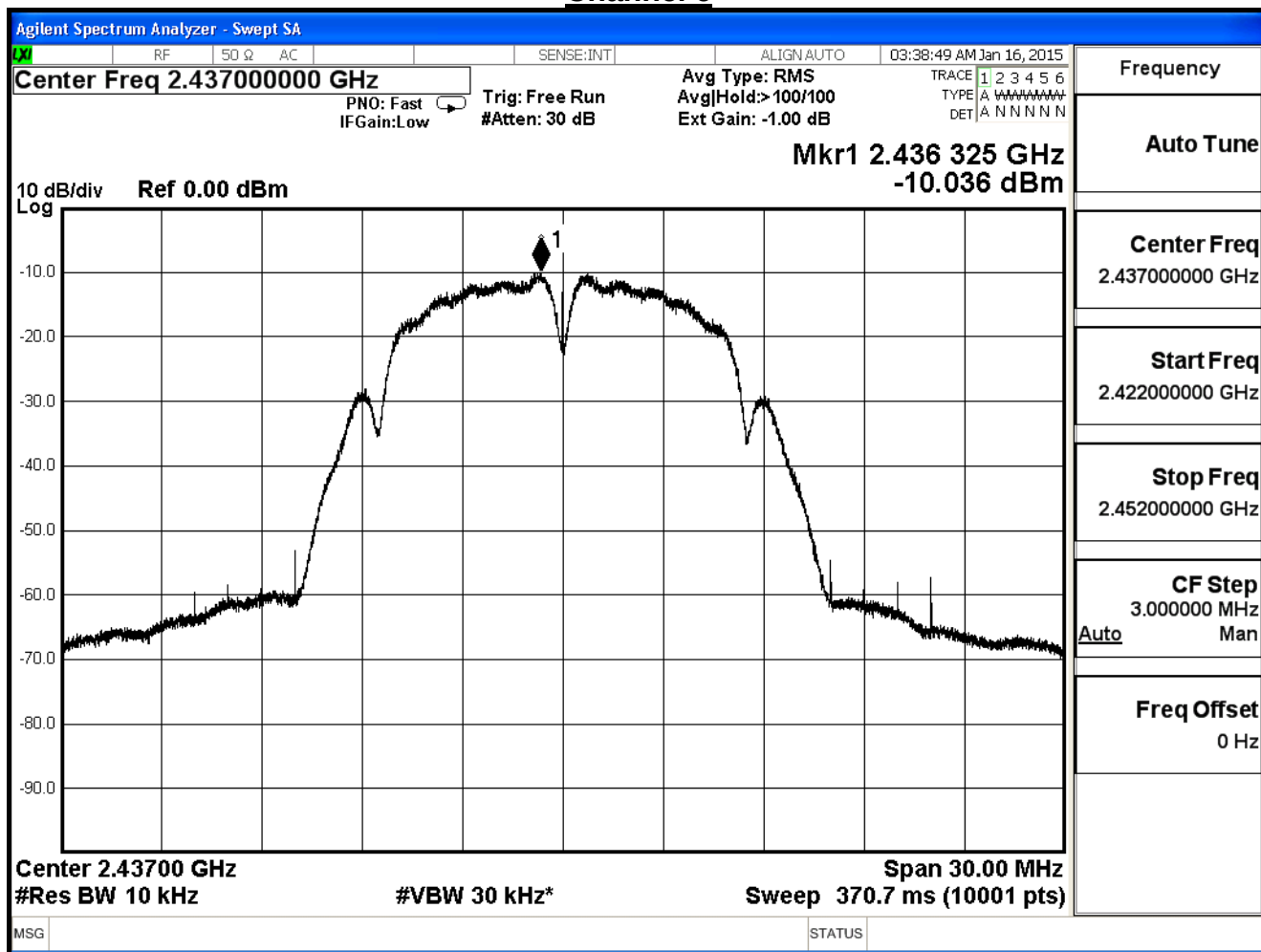
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-10.635	≤ 8	Pass
6	2437	-10.036	≤ 8	Pass
11	2462	-9.902	≤ 8	Pass

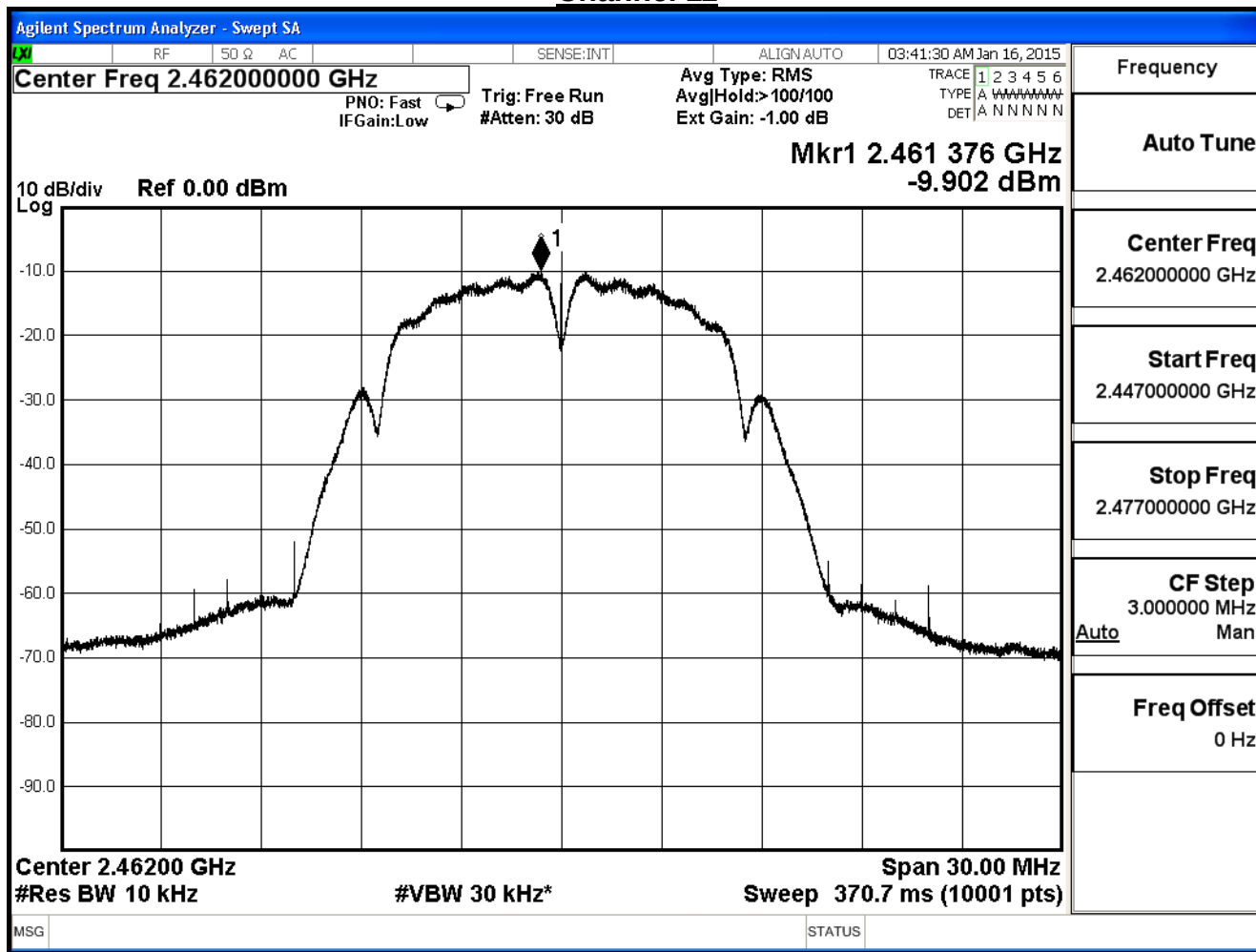
Channel 1



Channel 6



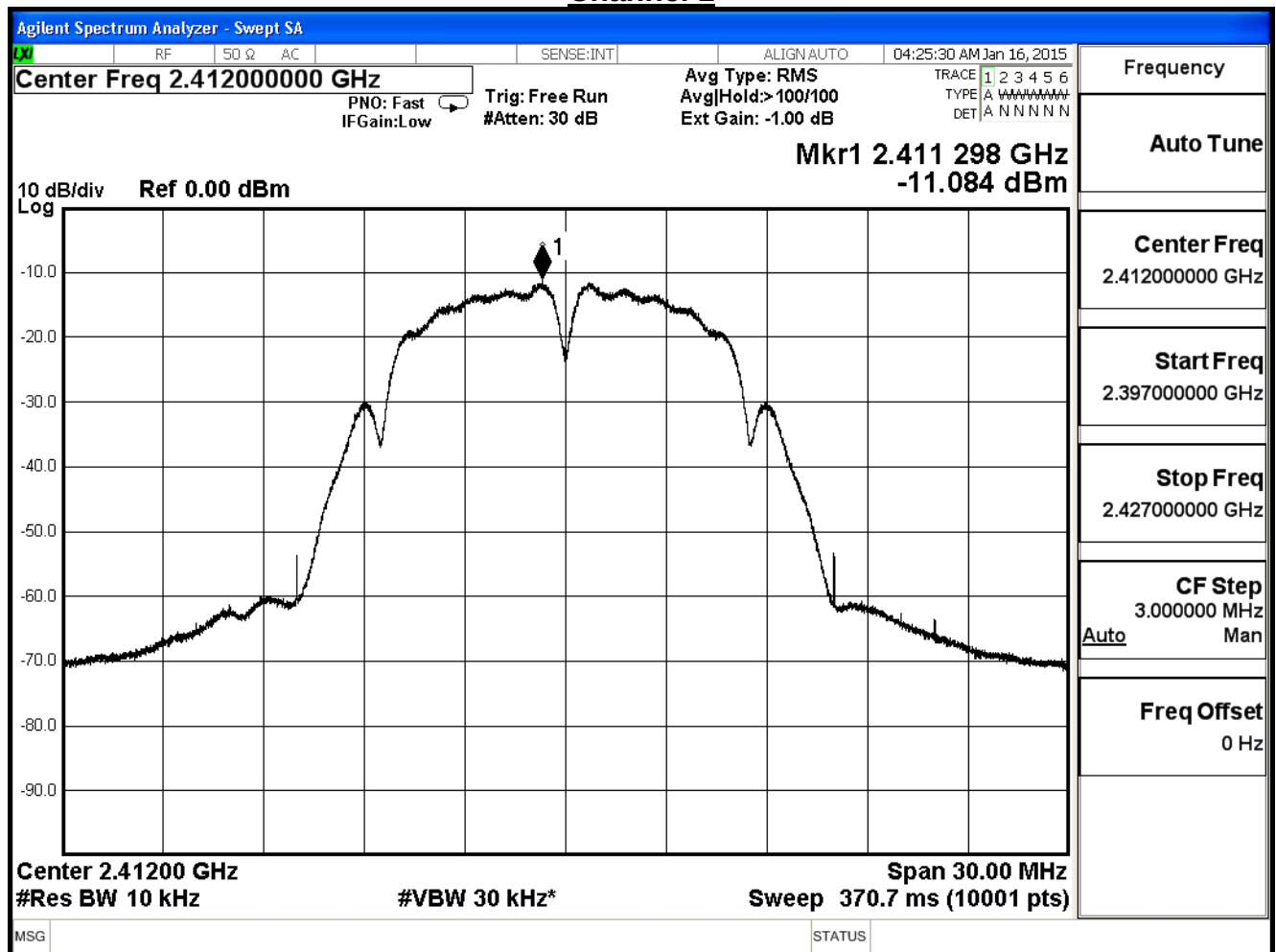
Channel 11



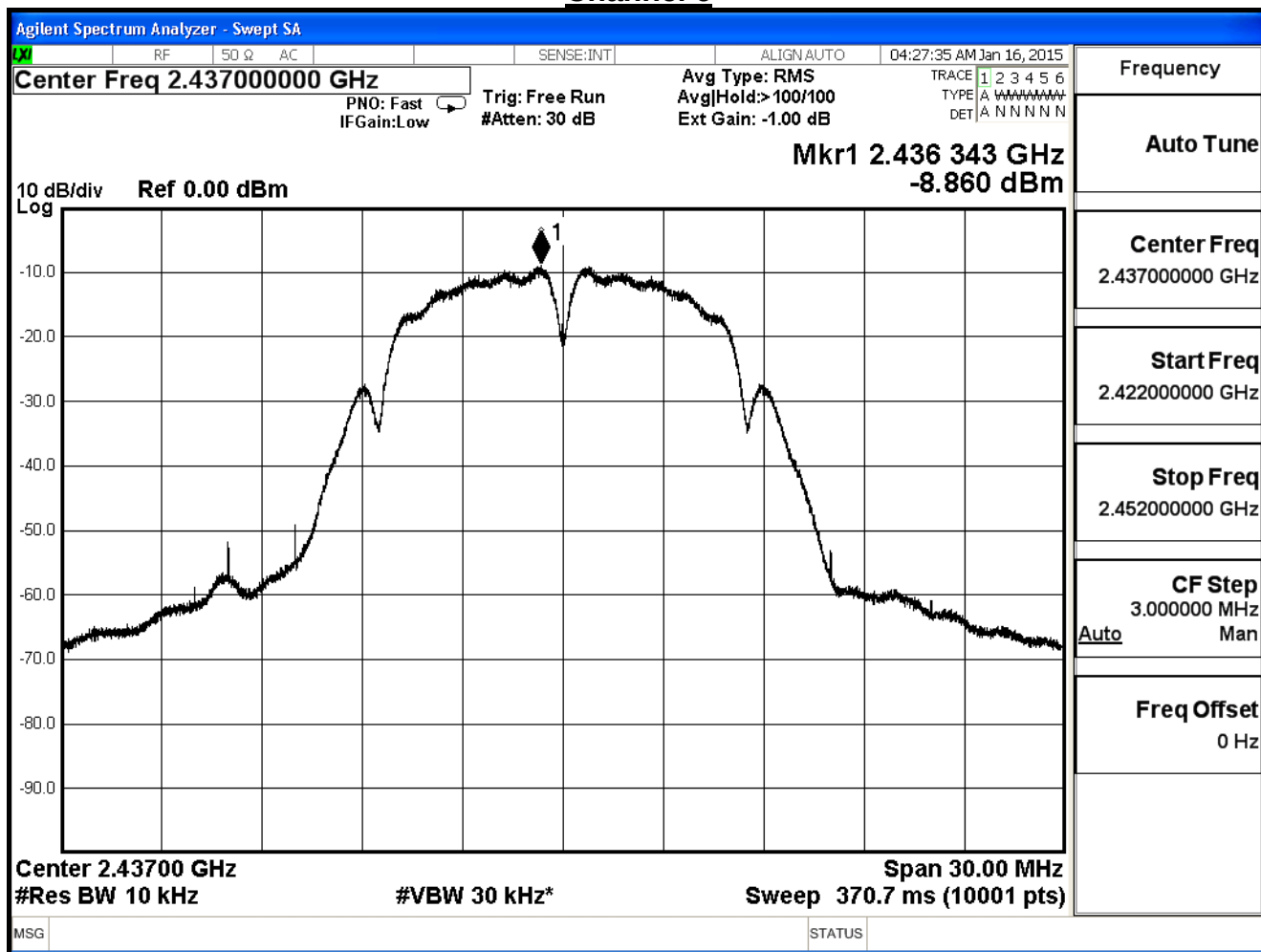
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11b (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.084	≤ 8	Pass
6	2437	-8.860	≤ 8	Pass
11	2462	-10.266	≤ 8	Pass

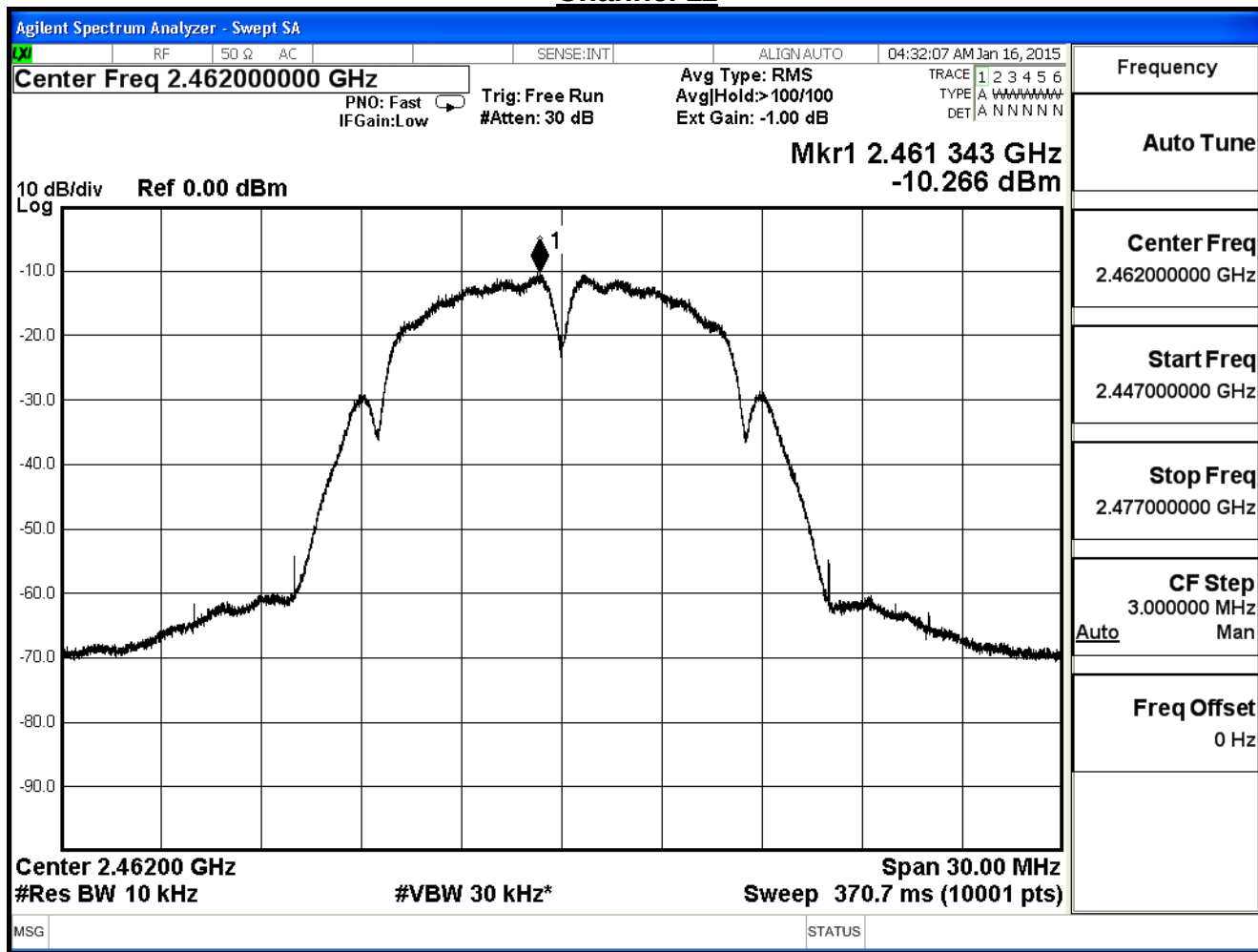
Channel 1



Channel 6



Channel 11



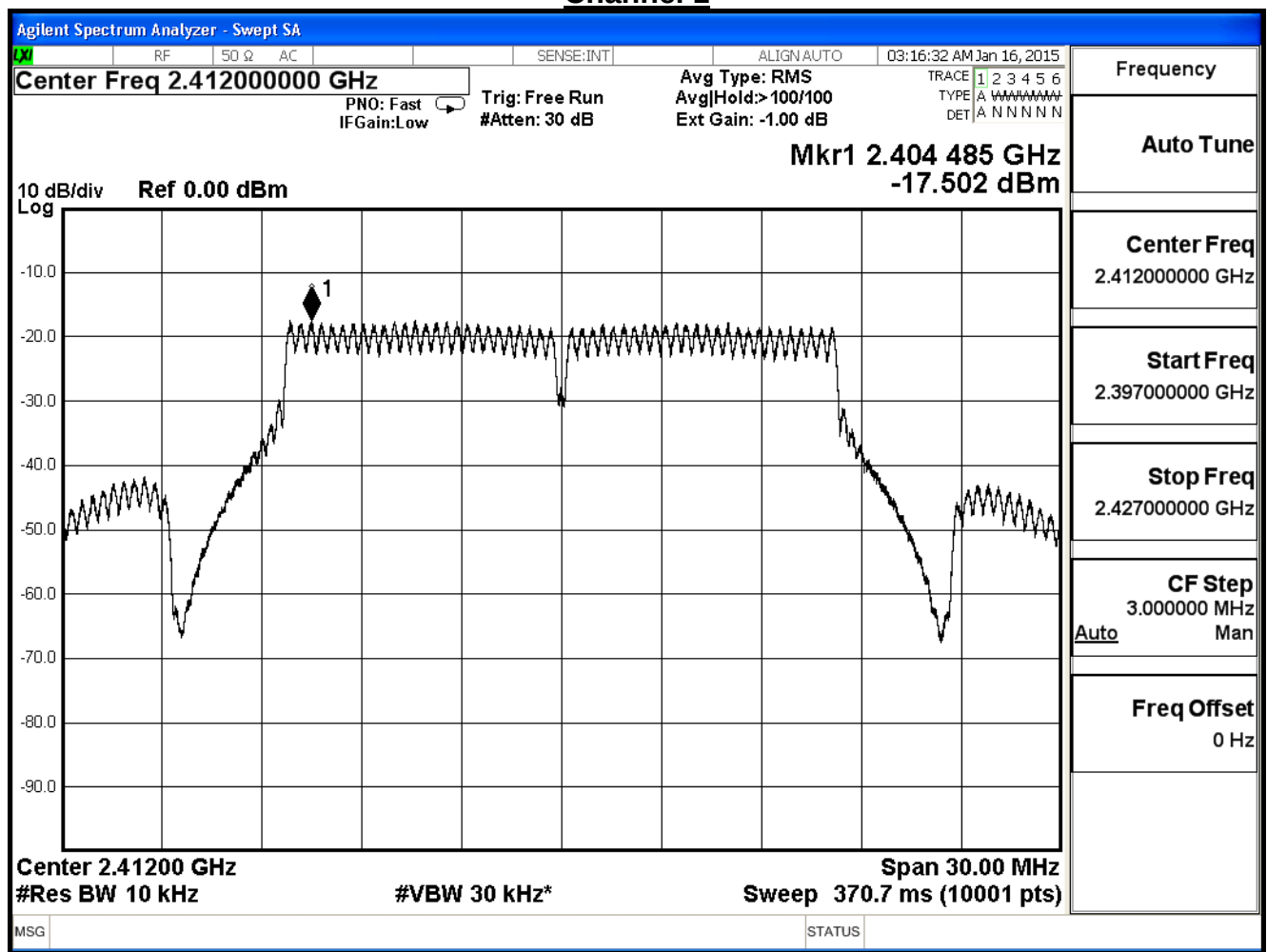
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11b (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-6.197	≤ 8	Pass
6	2437	-4.554	≤ 8	Pass
11	2462	-5.626	≤ 8	Pass

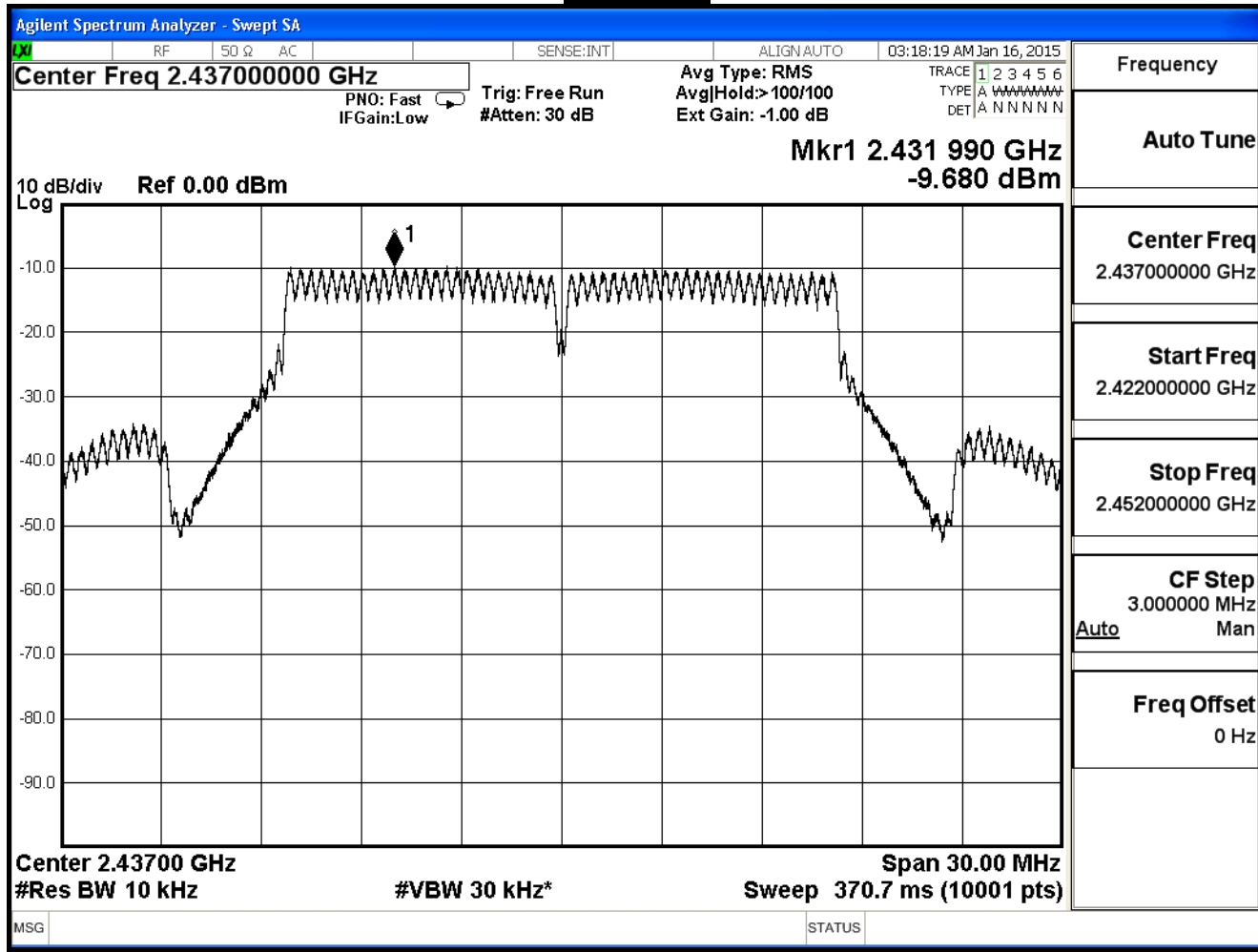
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-17.502	≤ 8	Pass
6	2437	-9.680	≤ 8	Pass
11	2462	-18.549	≤ 8	Pass

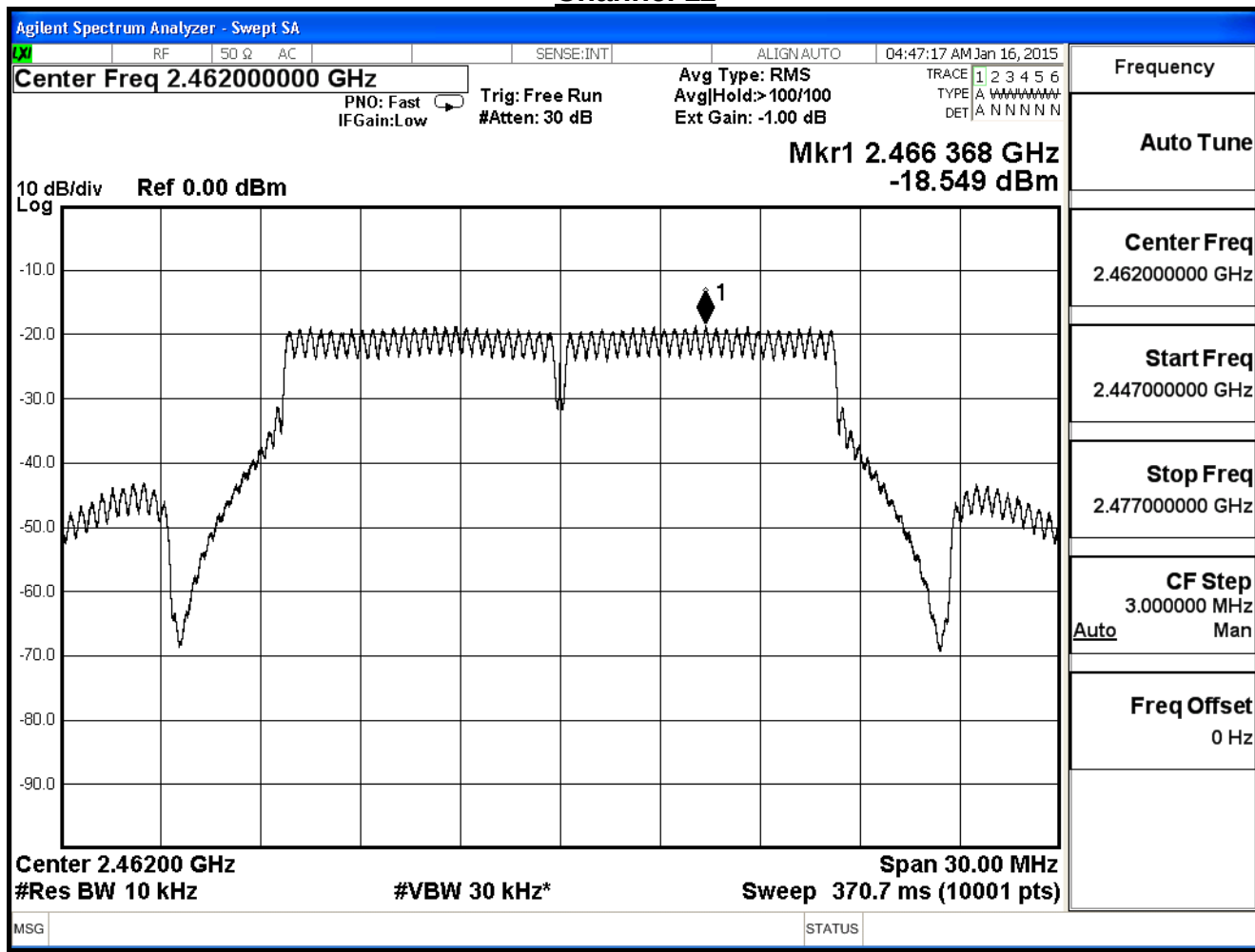
Channel 1



Channel 6



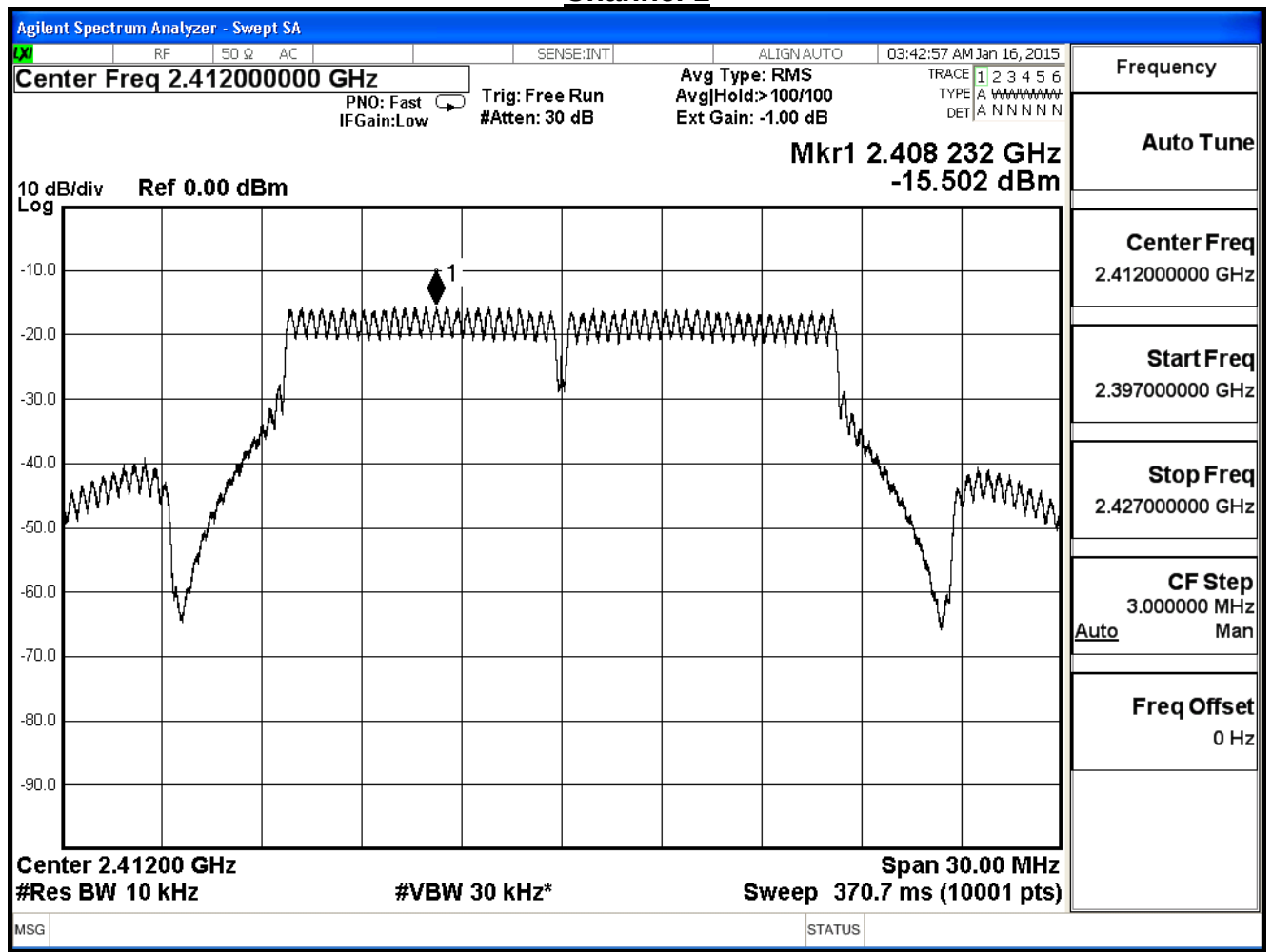
Channel 11



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-15.502	≤ 8	Pass
6	2437	-9.302	≤ 8	Pass
11	2462	-16.899	≤ 8	Pass

Channel 1



Agilent Spectrum Analyzer - Swept SA

Center Freq 2.43700000 GHz

PNO: Fast
IFGain: Low

Trig: Free Run
#Atten: 30 dB

Avg Type: RMS
Avg|Hold: >100/100
Ext Gain: -1.00 dB

03:46:20 AM Jan 16, 2015

TRACE 1 2 3 4 5 6
TYPE A W W W W W W W W
DET A N N N N N N

Frequency

Auto Tune

Center Freq
2.437000000 GHz

Start Freq
2.422000000 GHz

Stop Freq
2.452000000 GHz

CF Step
3.000000 MHz
Auto Man

Freq Offset
0 Hz

10 dB/div
Log

Ref 0.00 dBm

Mkr1 2.432 620 GHz
-9.302 dBm

The spectrum analyzer display shows a swept signal. The horizontal axis represents frequency, ranging from 2.422 GHz to 2.452 GHz. The vertical axis represents power in dBm, ranging from -90.0 to -10.0. The signal is a complex waveform with a central peak. A marker labeled '1' is placed on the peak at 2.432620 GHz, with a power level of -9.302 dBm. The signal is centered at 2.437000000 GHz. The span is 30.00 MHz, and the resolution bandwidth (RBW) is 10 kHz. The video bandwidth (VBW) is 30 kHz. The sweep time is 370.7 ms, and there are 10001 points. The reference level is 0.00 dBm. The display is in log scale. The center frequency is 2.43700000 GHz. The start frequency is 2.422000000 GHz, and the stop frequency is 2.452000000 GHz. The carrier frequency step is 3.000000 MHz. The frequency offset is 0 Hz. The average type is RMS, and the average hold is >100/100. The external gain is -1.00 dB. The trigger is Free Run, and the attenuation is 30 dB. The pre-trigger offset is Fast, and the IF gain is Low. The date and time are 03:46:20 AM Jan 16, 2015. The trace is 1, and the type is A W W W W W W W. The detector is A N N N N N N.

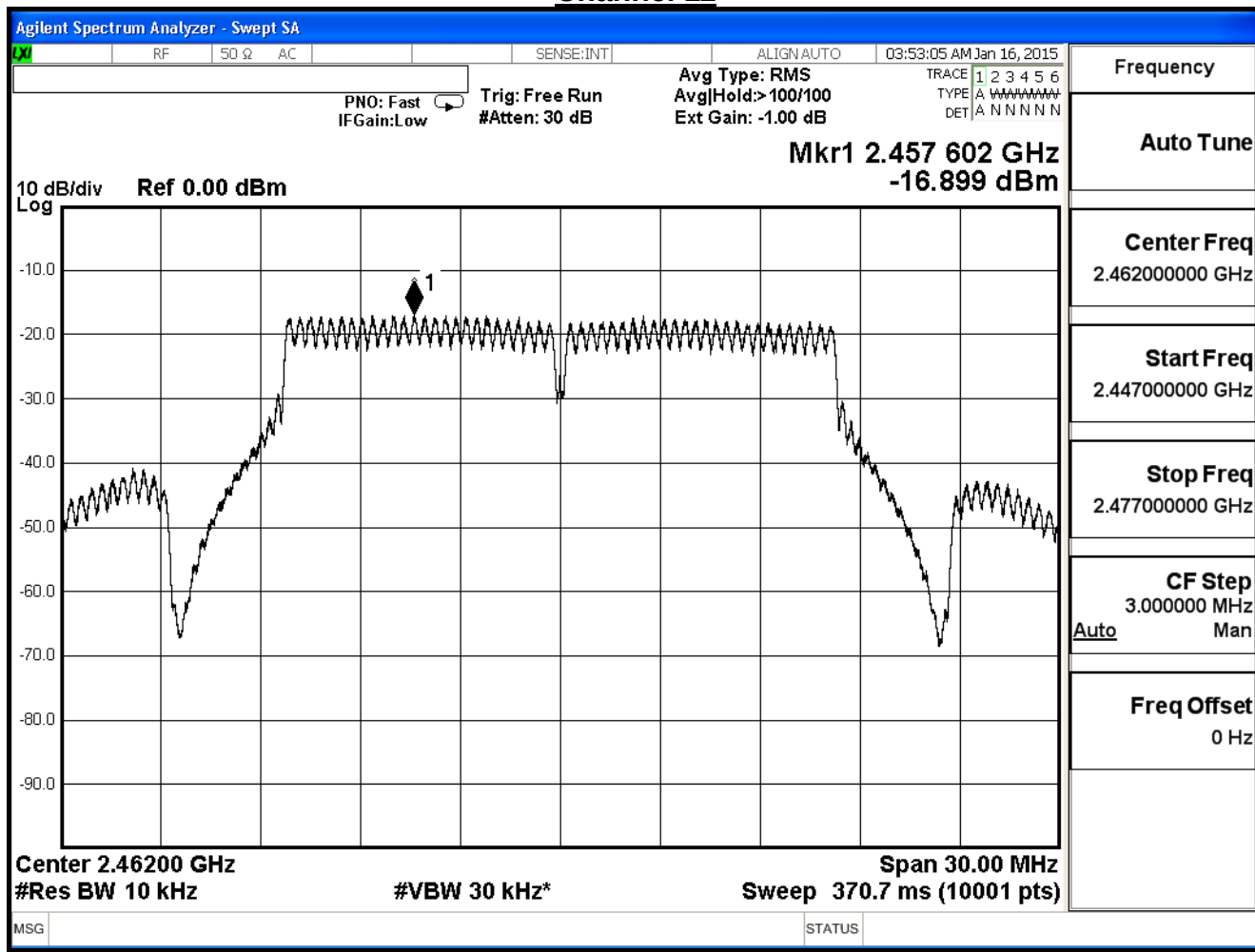
Center 2.43700 GHz
#Res BW 10 kHz

#VBW 30 kHz*

Span 30.00 MHz
Sweep 370.7 ms (10001 pts)

MSG STATUS

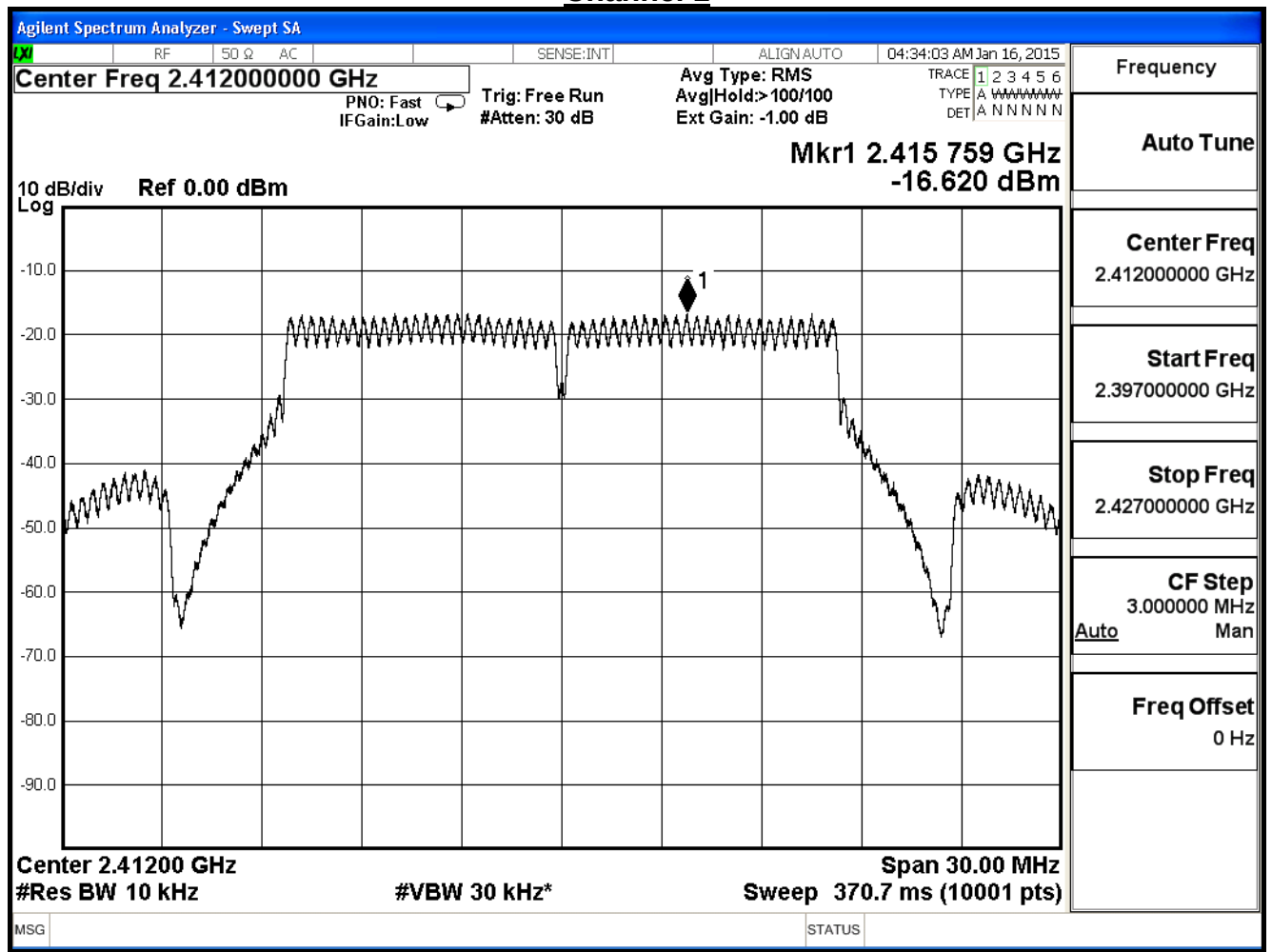
Channel 11



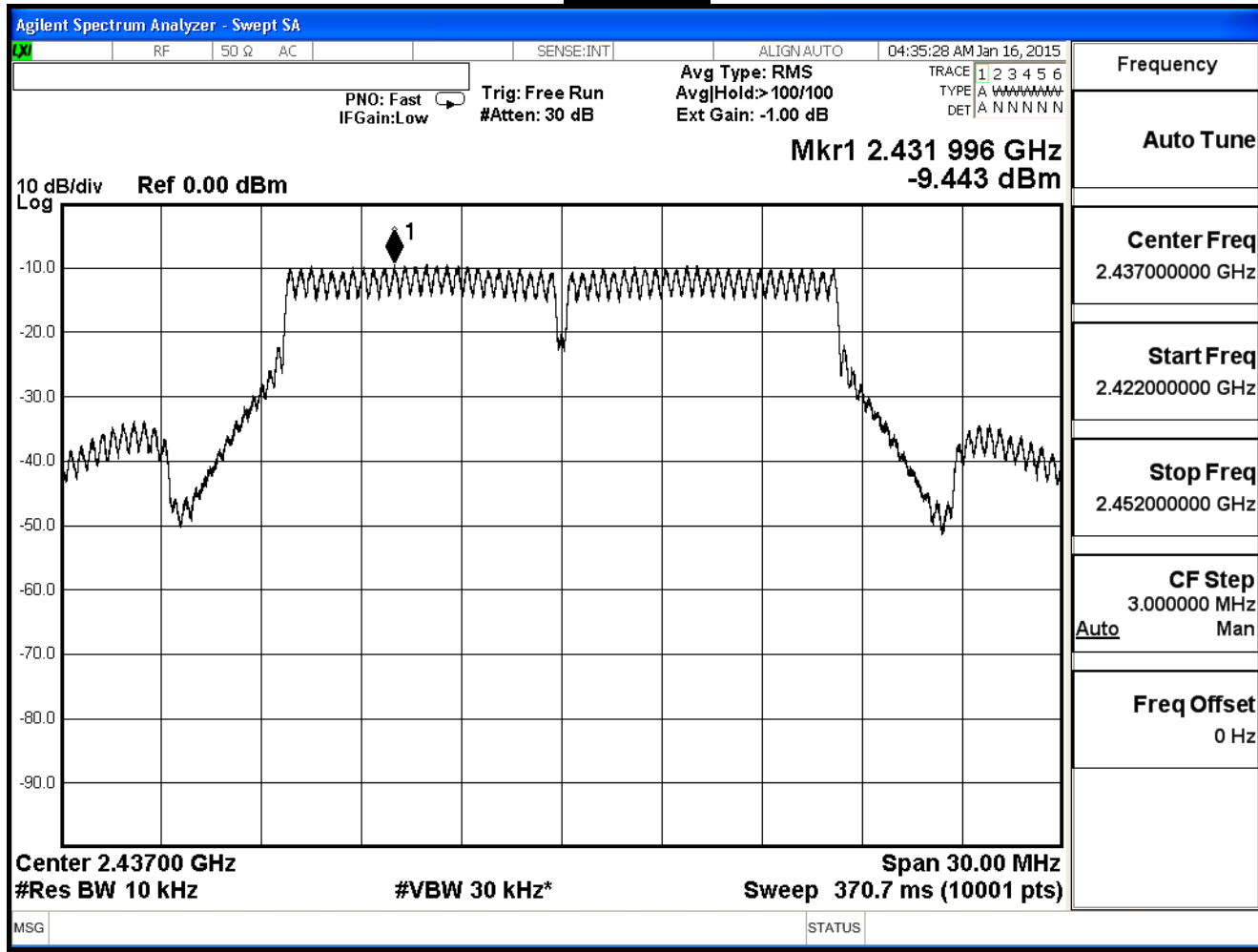
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11g (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-16.620	≤ 8	Pass
6	2437	-9.443	≤ 8	Pass
11	2462	-21.359	≤ 8	Pass

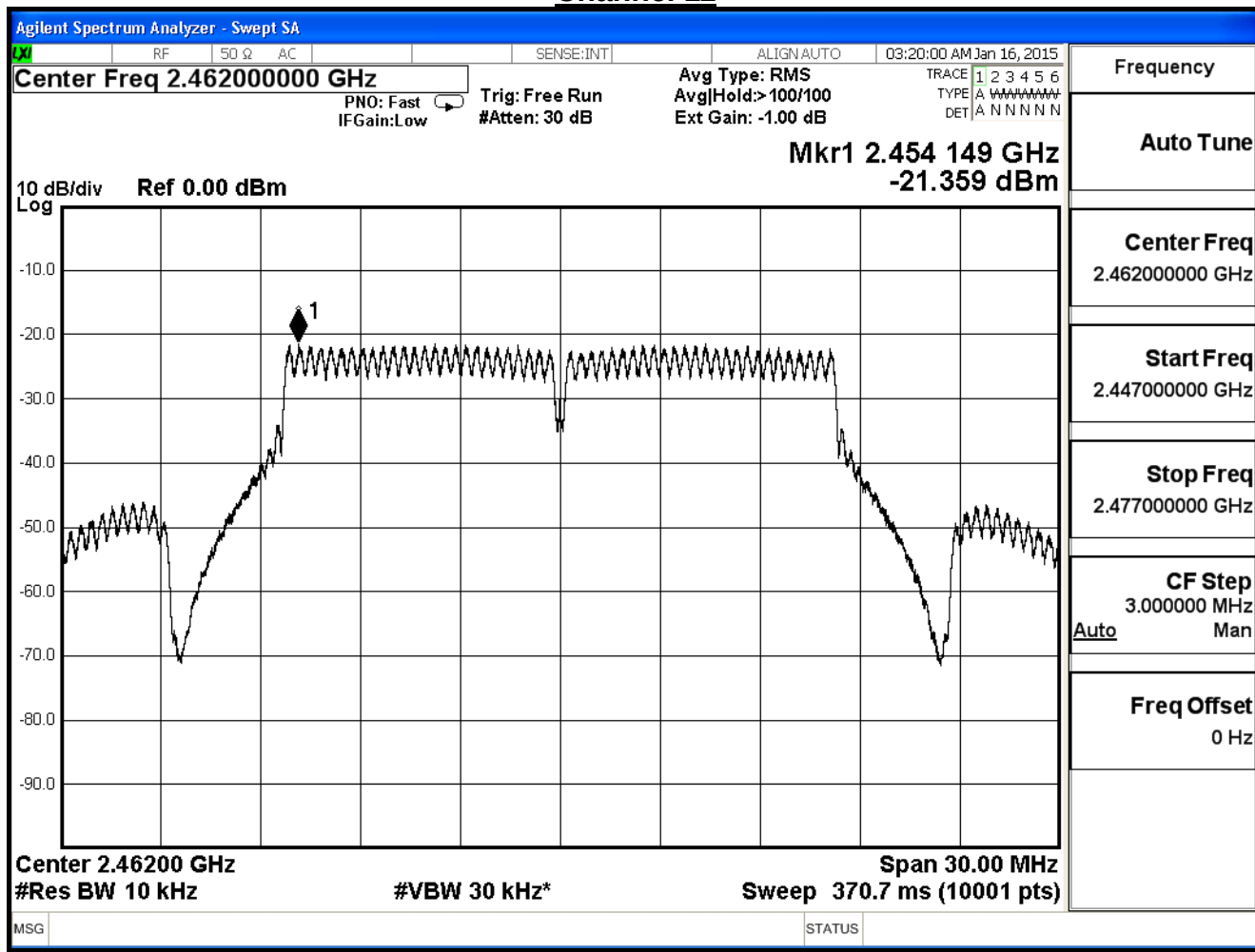
Channel 1



Channel 6



Channel 11



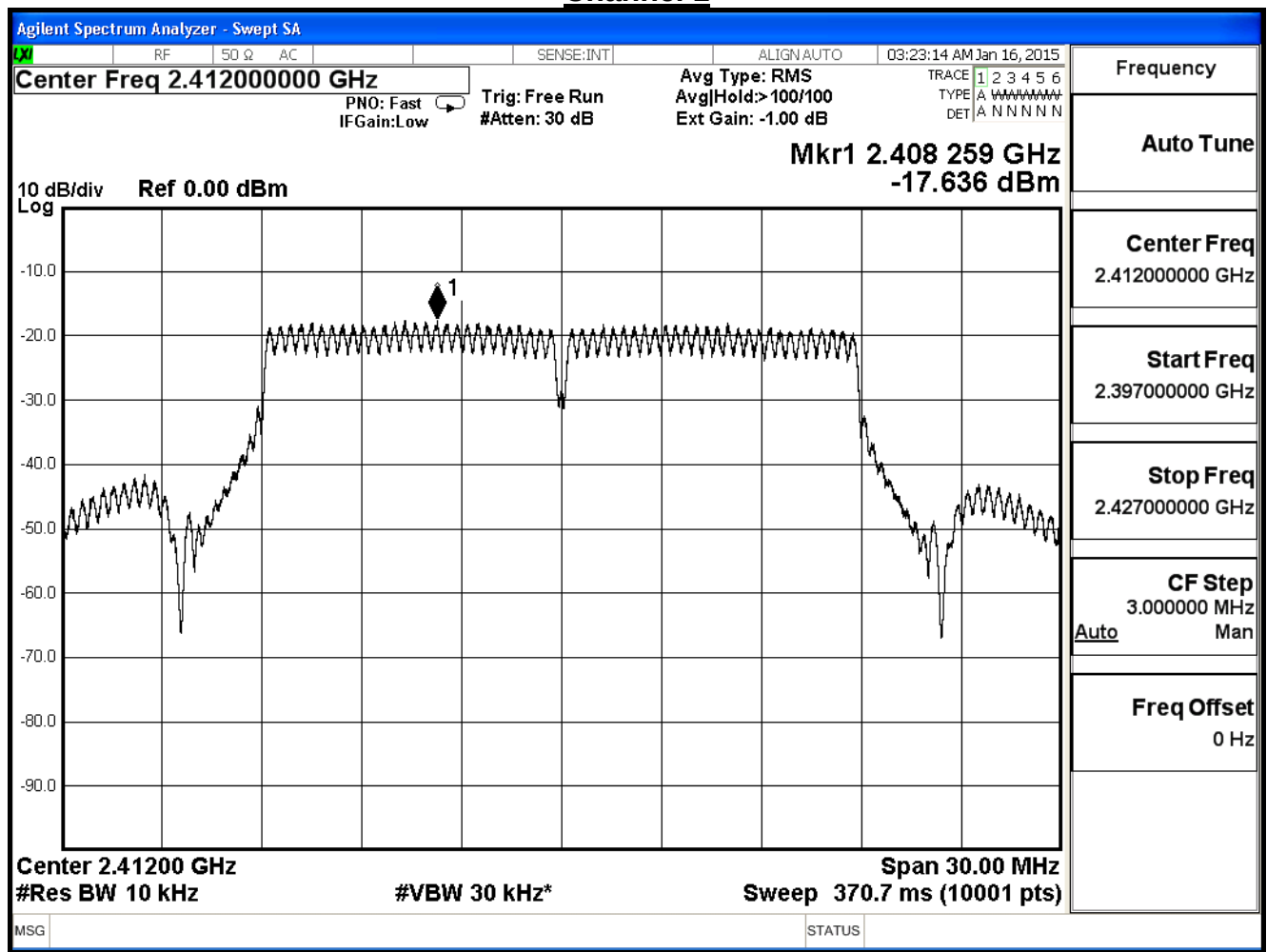
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11g (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.693	≤ 8	Pass
6	2437	-4.701	≤ 8	Pass
11	2462	-13.798	≤ 8	Pass

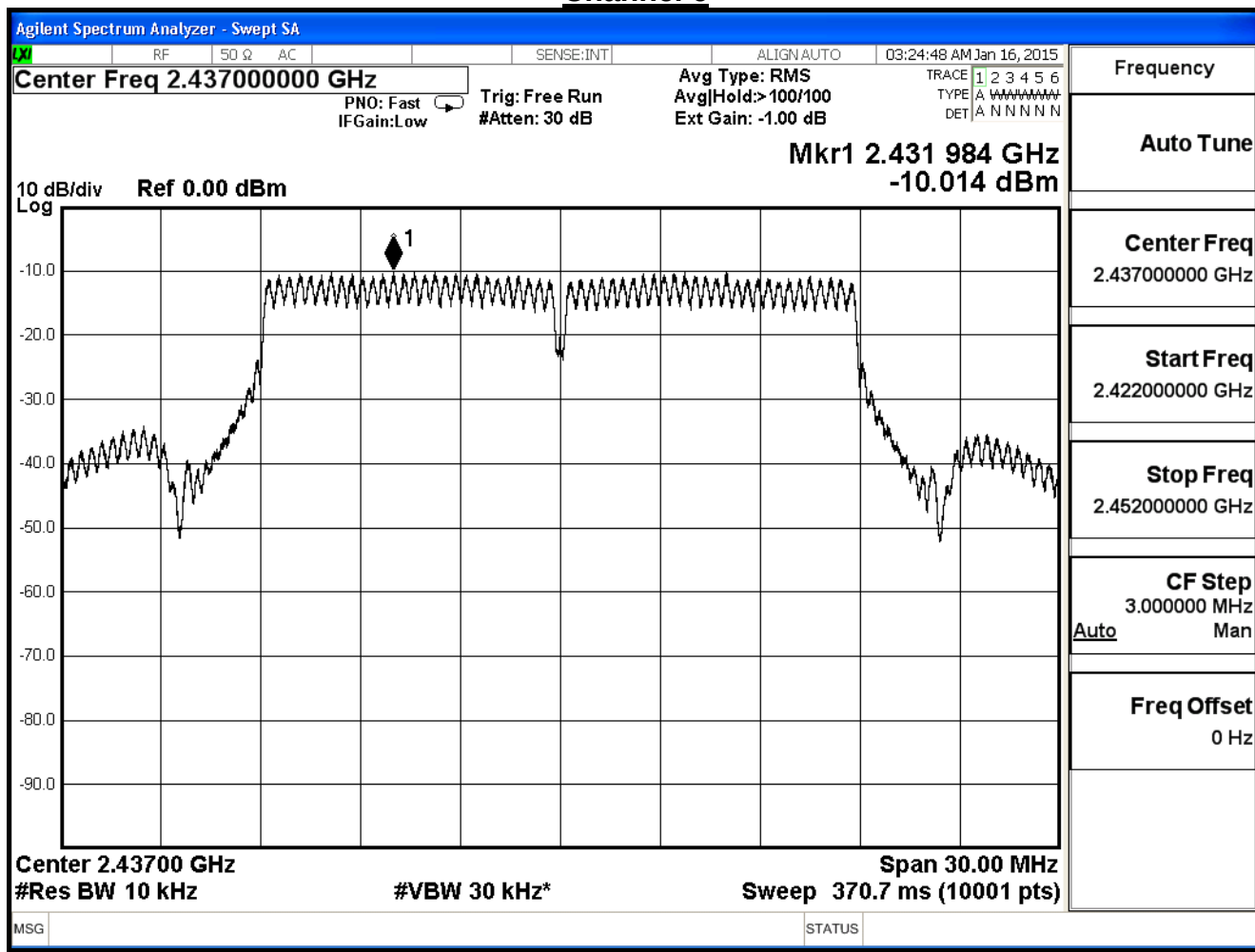
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-17.636	≤ 8	Pass
6	2437	-10.014	≤ 8	Pass
11	2462	-21.878	≤ 8	Pass

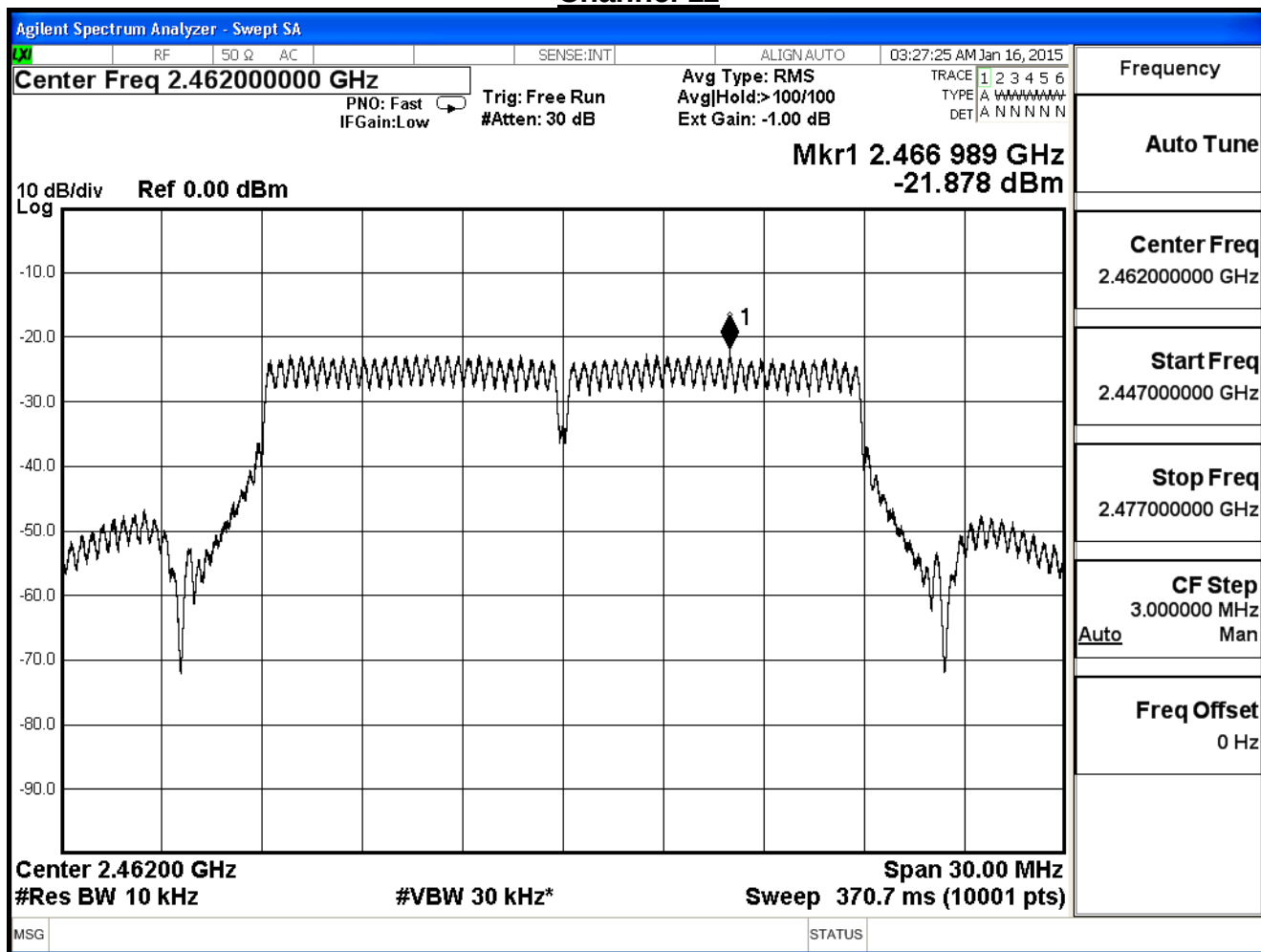
Channel 1



Channel 6



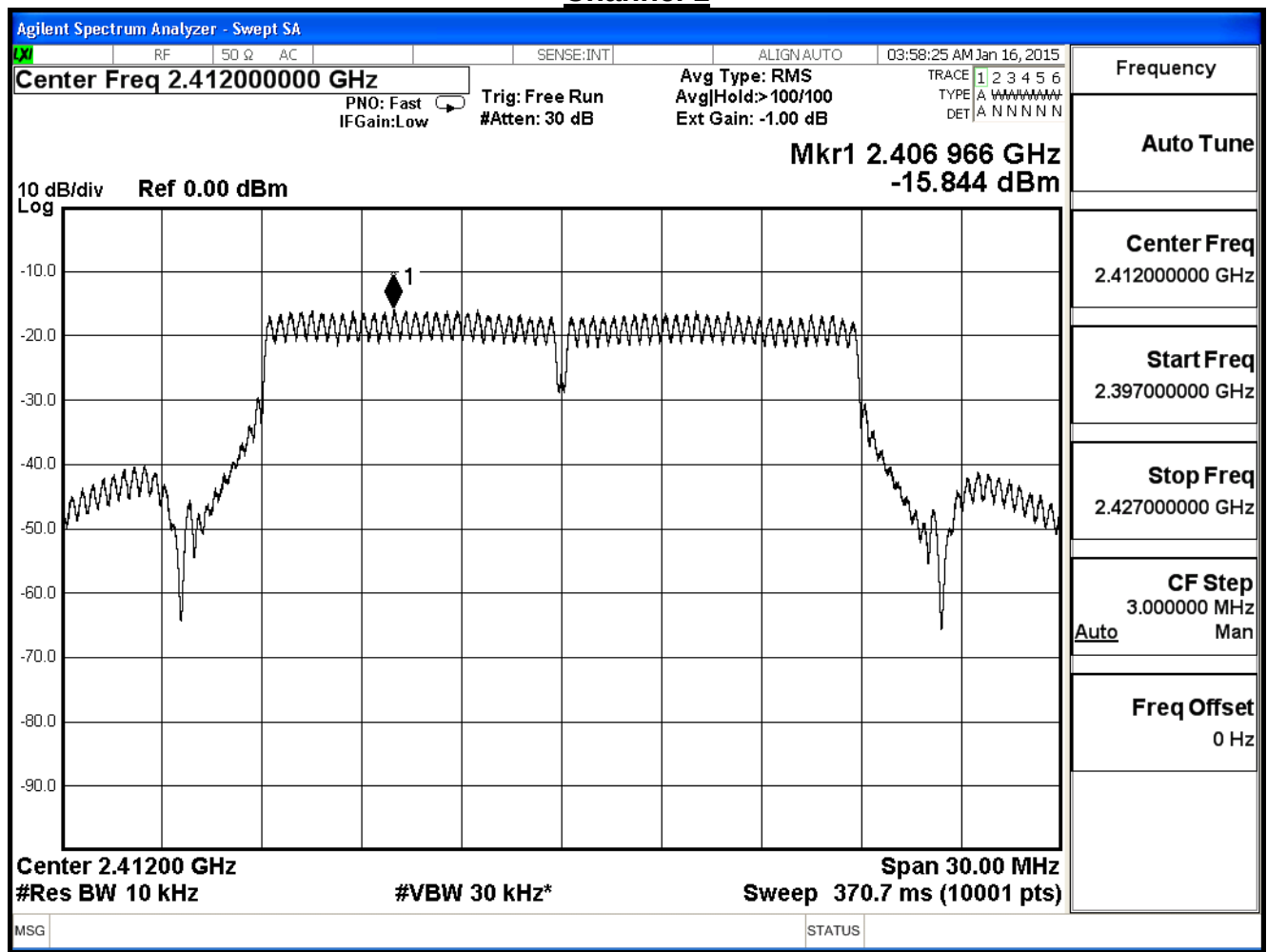
Channel 11



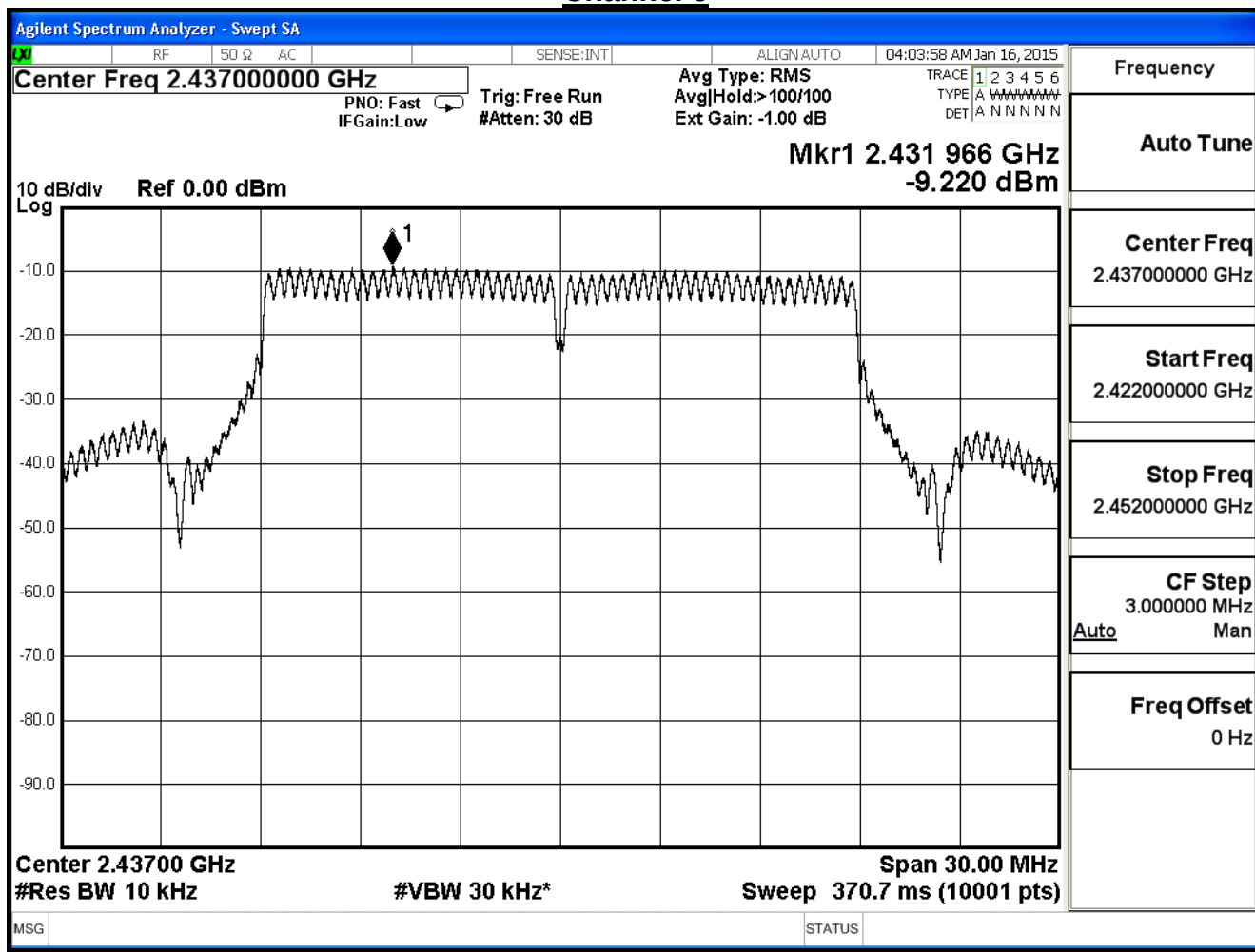
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-15.844	≤ 8	Pass
6	2437	-9.220	≤ 8	Pass
11	2462	-17.694	≤ 8	Pass

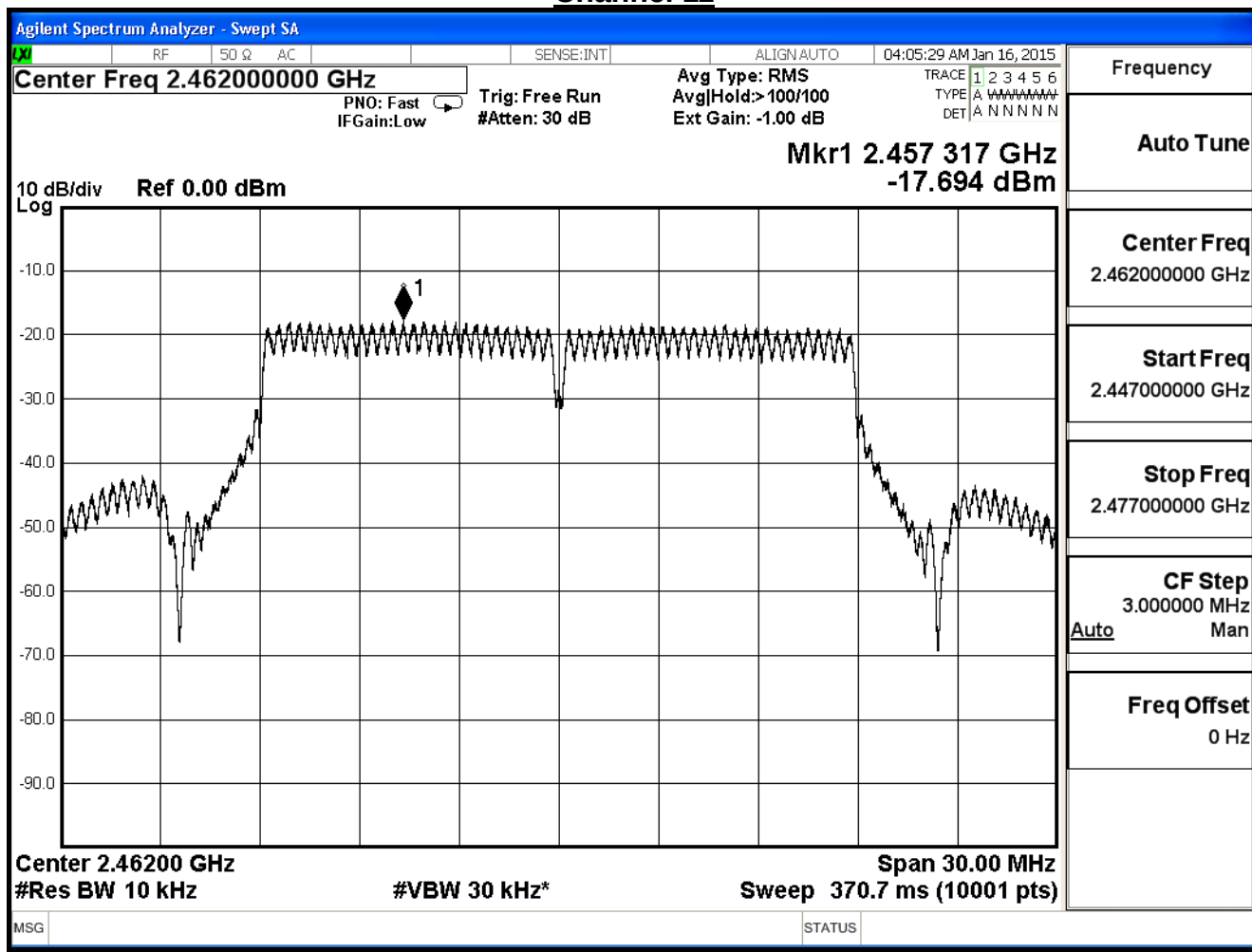
Channel 1



Channel 6



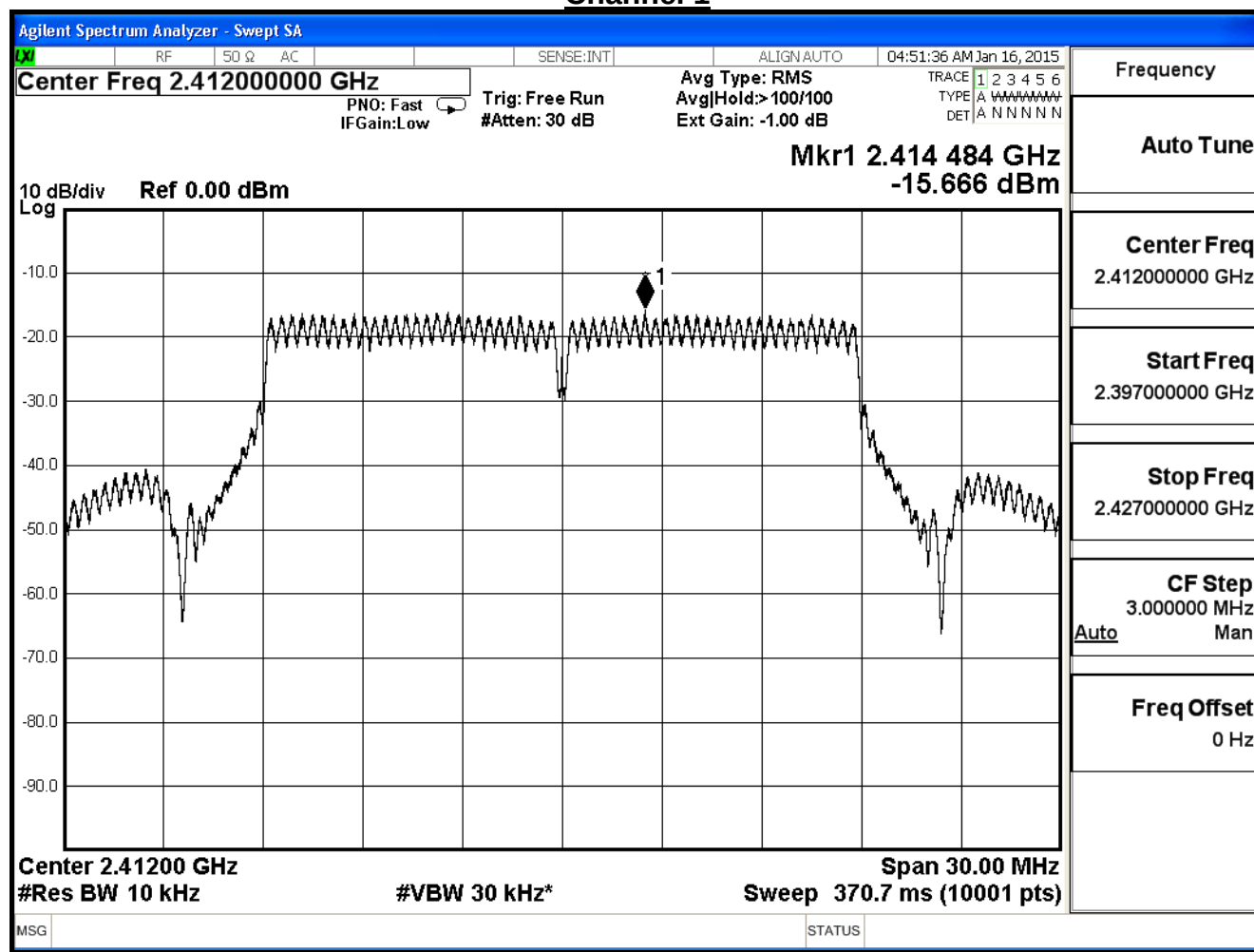
Channel 11



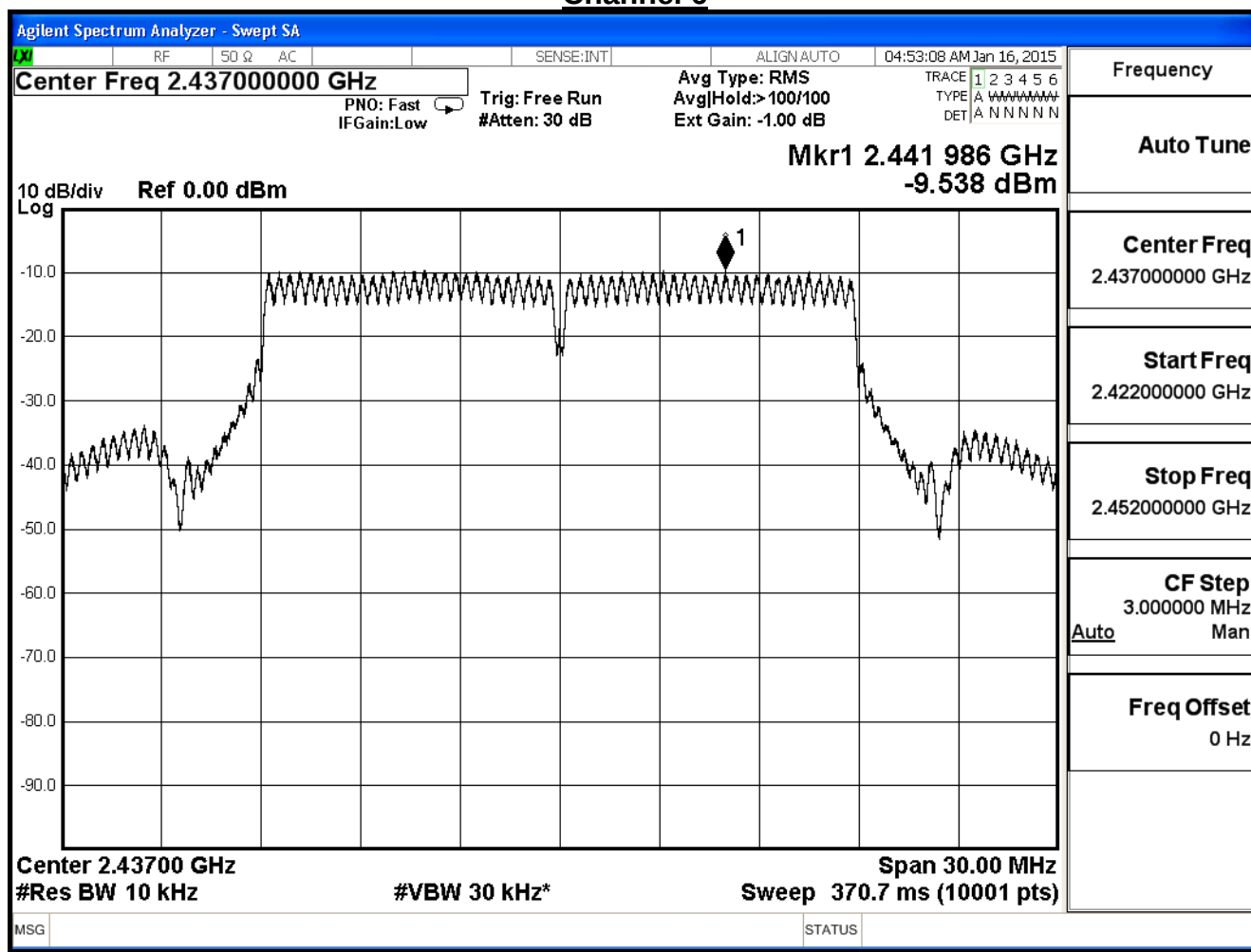
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-15.666	≤ 8	Pass
6	2437	-9.538	≤ 8	Pass
11	2462	-18.568	≤ 8	Pass

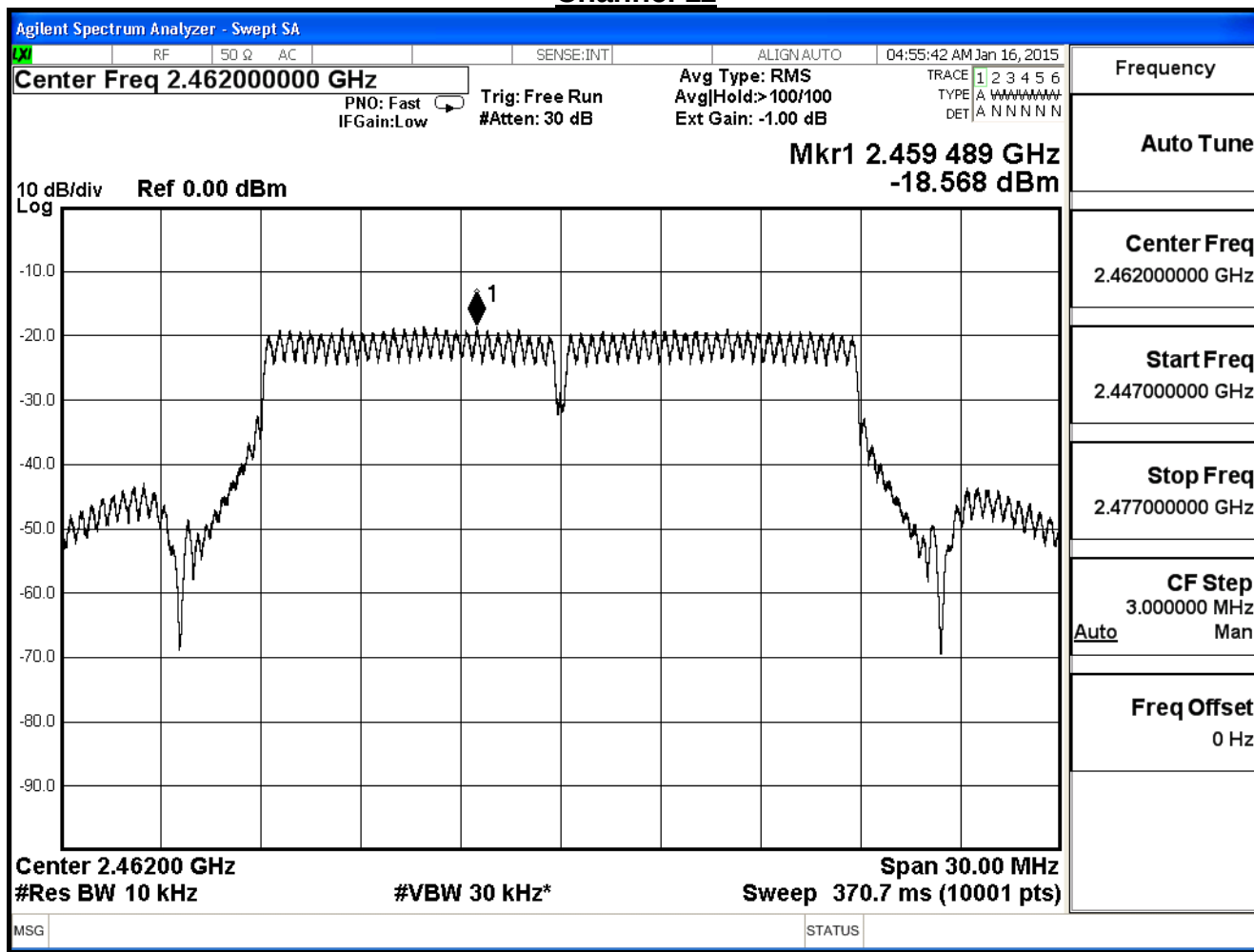
Channel 1



Channel 6



Channel 11



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

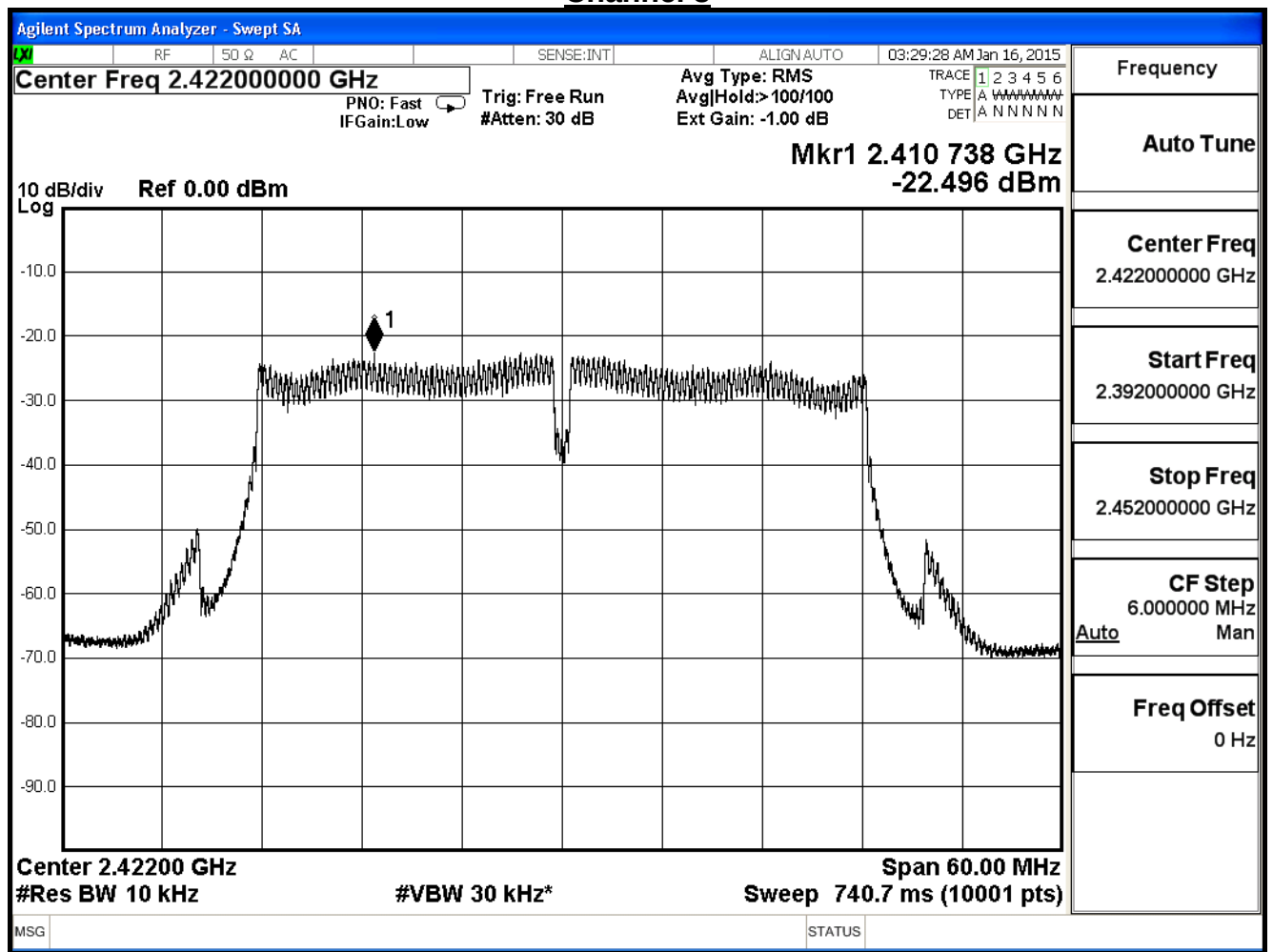
IEEE802.11n 20MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.524	≤ 8	Pass
6	2437	-4.807	≤ 8	Pass
11	2462	-14.271	≤ 8	Pass

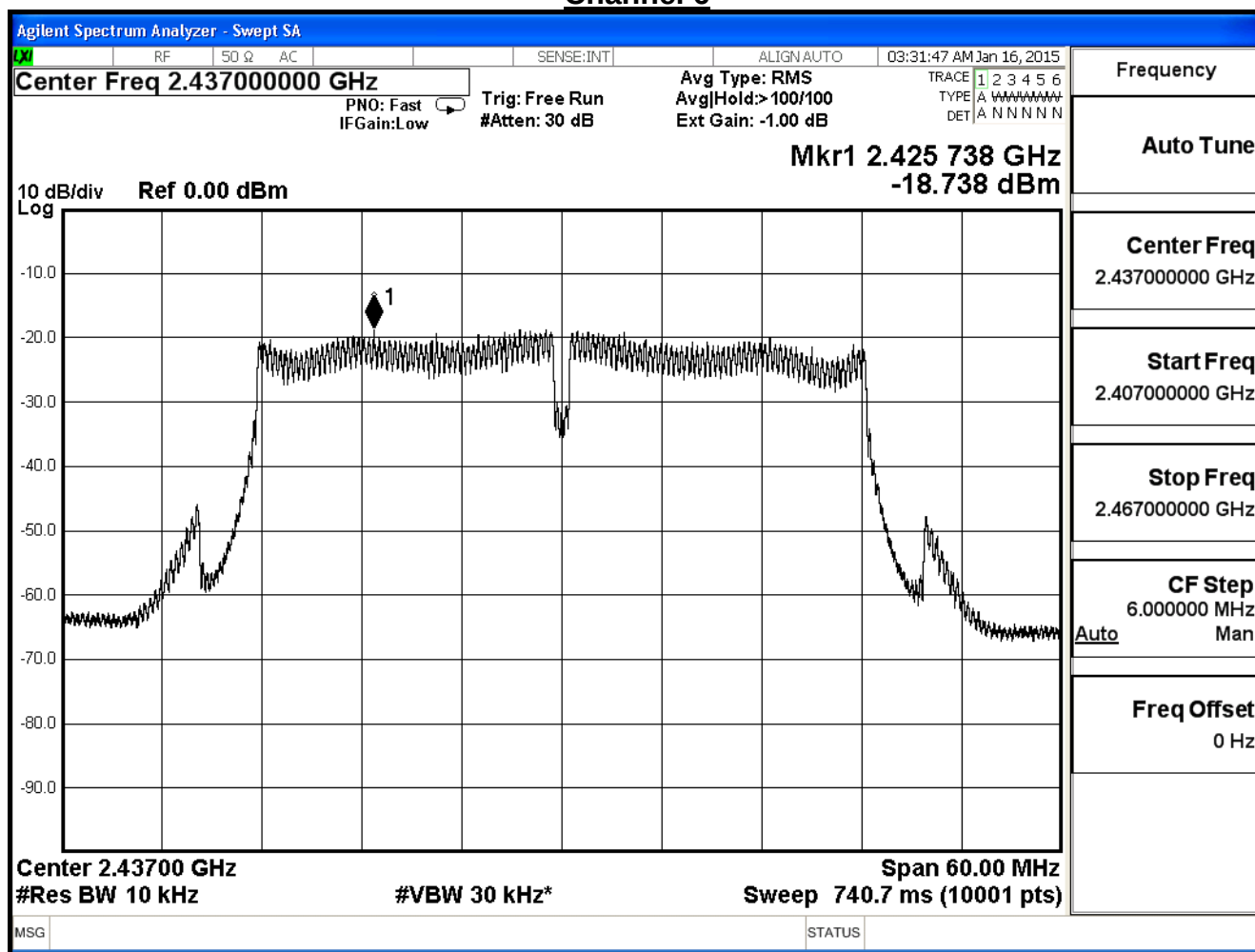
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-22.496	≤ 8	Pass
6	2437	-18.738	≤ 8	Pass
9	2452	-22.983	≤ 8	Pass

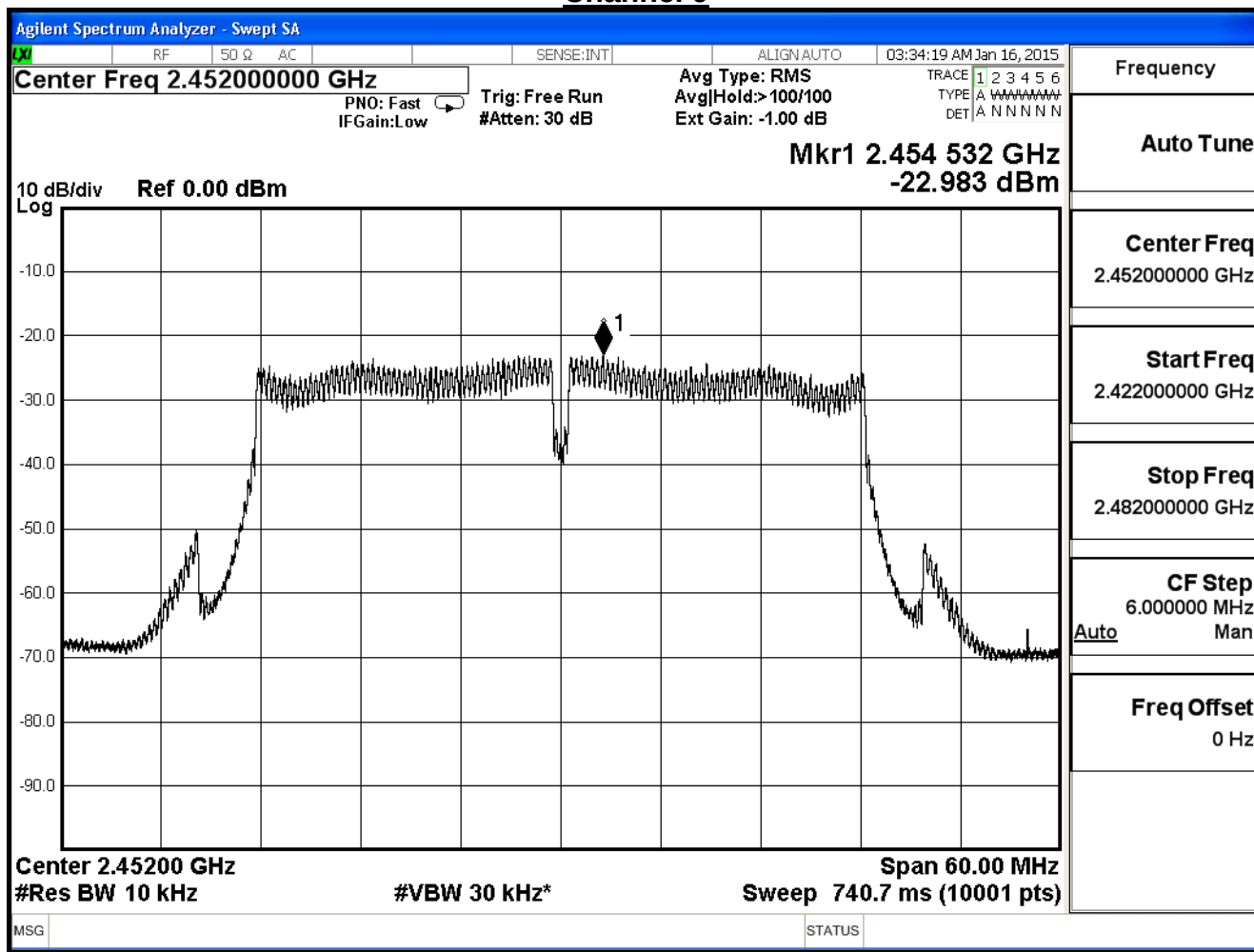
Channel 3



Channel 6



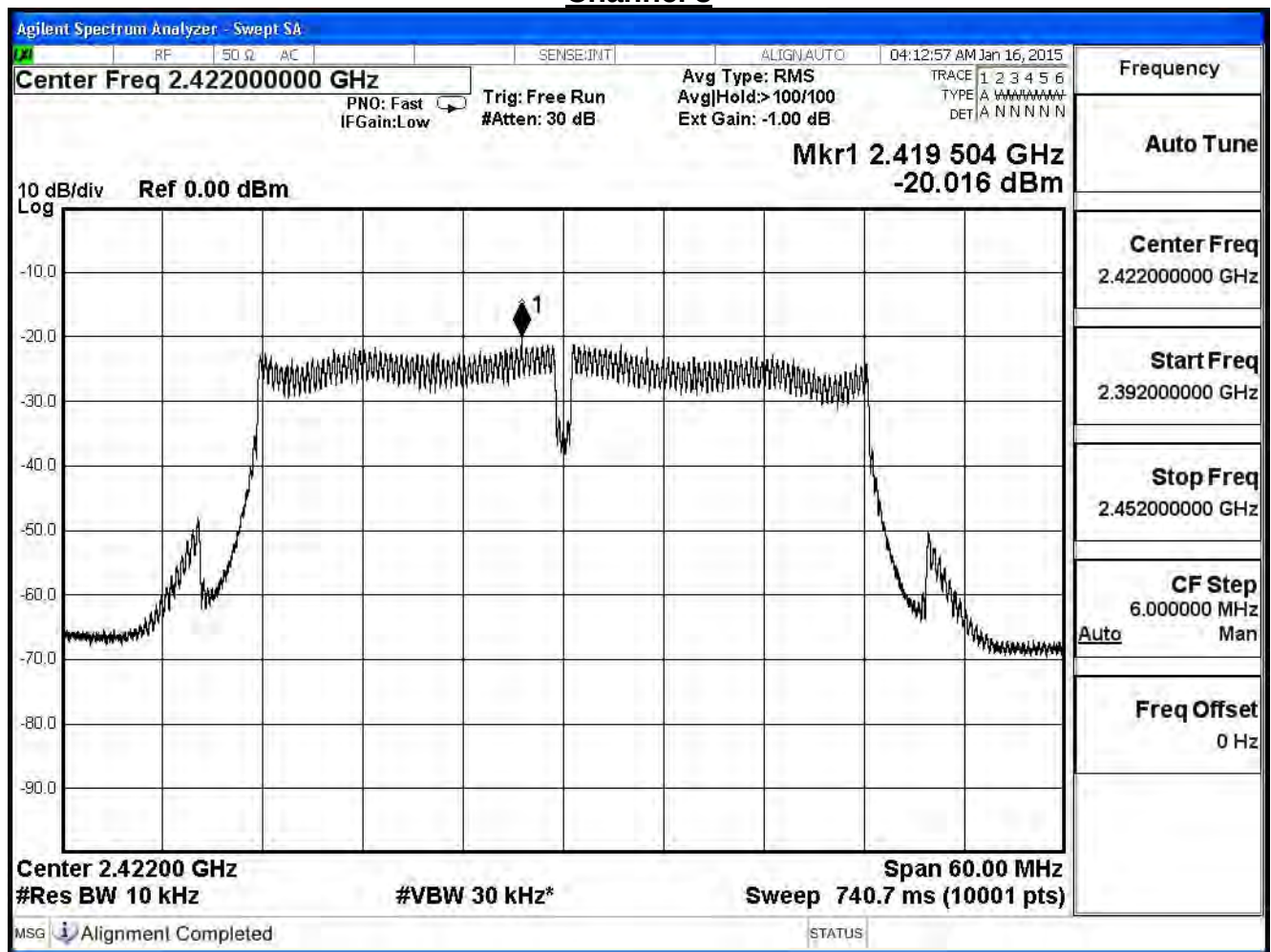
Channel 9



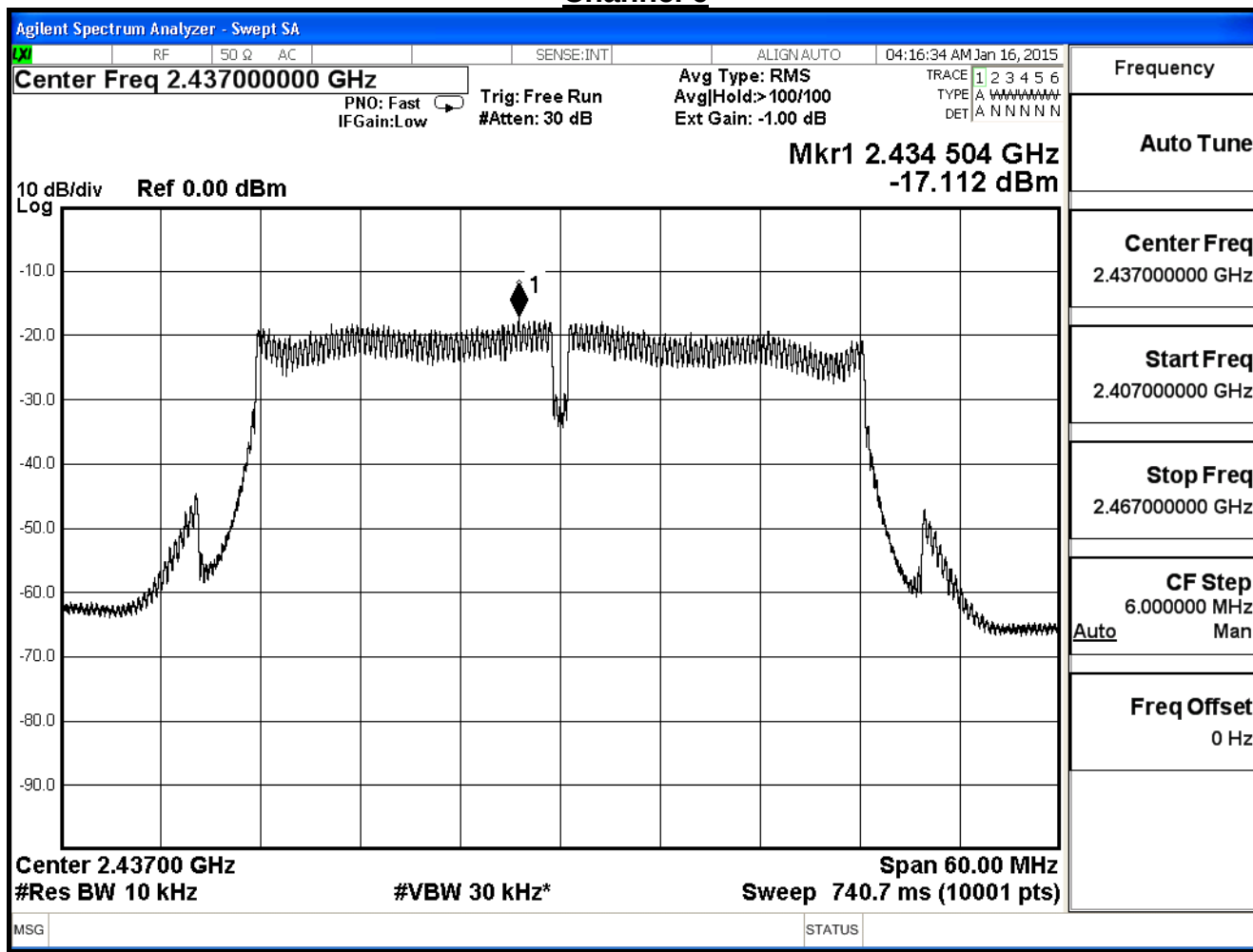
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-20.016	≤ 8	Pass
6	2437	-17.112	≤ 8	Pass
9	2452	-20.240	≤ 8	Pass

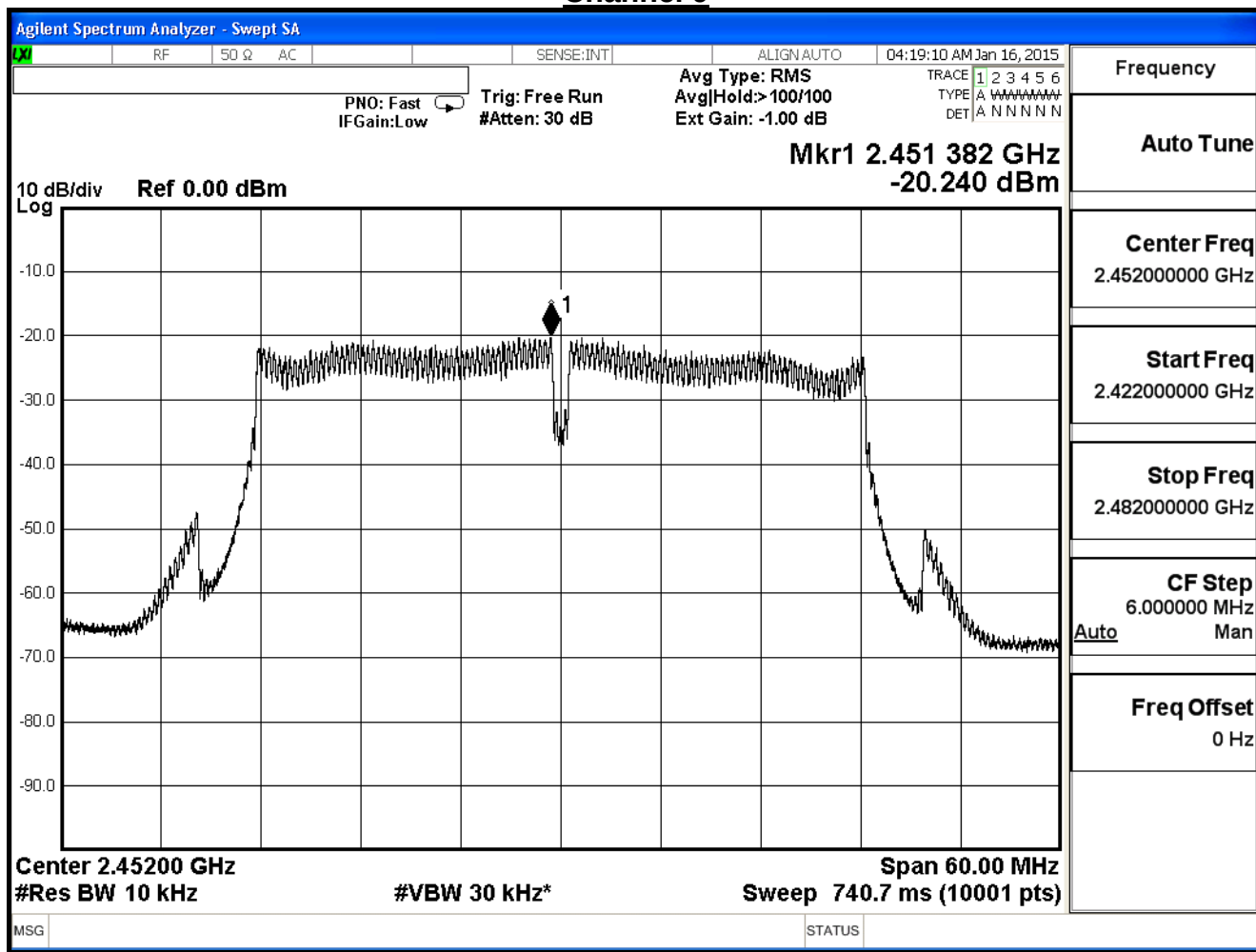
Channel 3



Channel 6



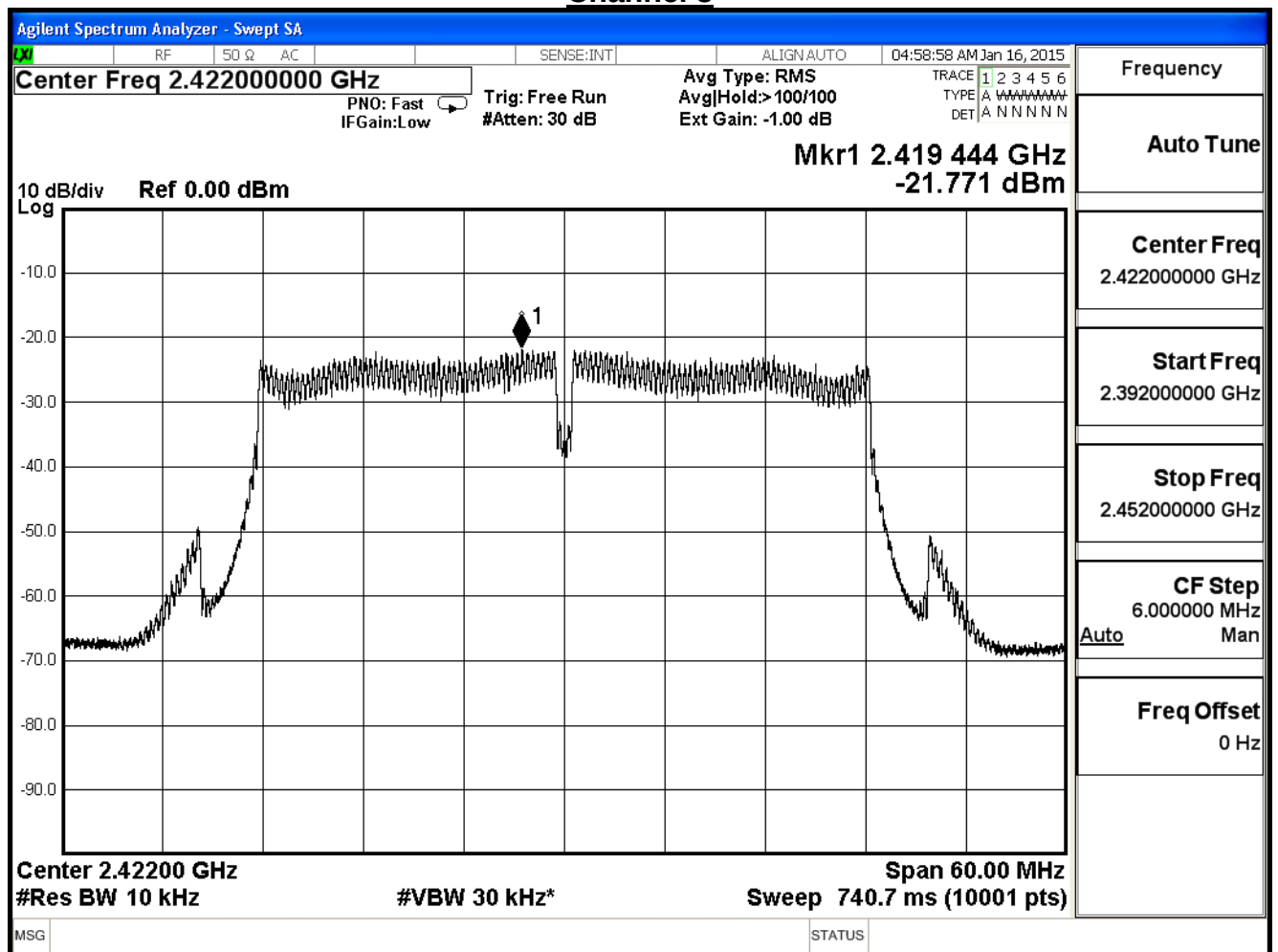
Channel 9



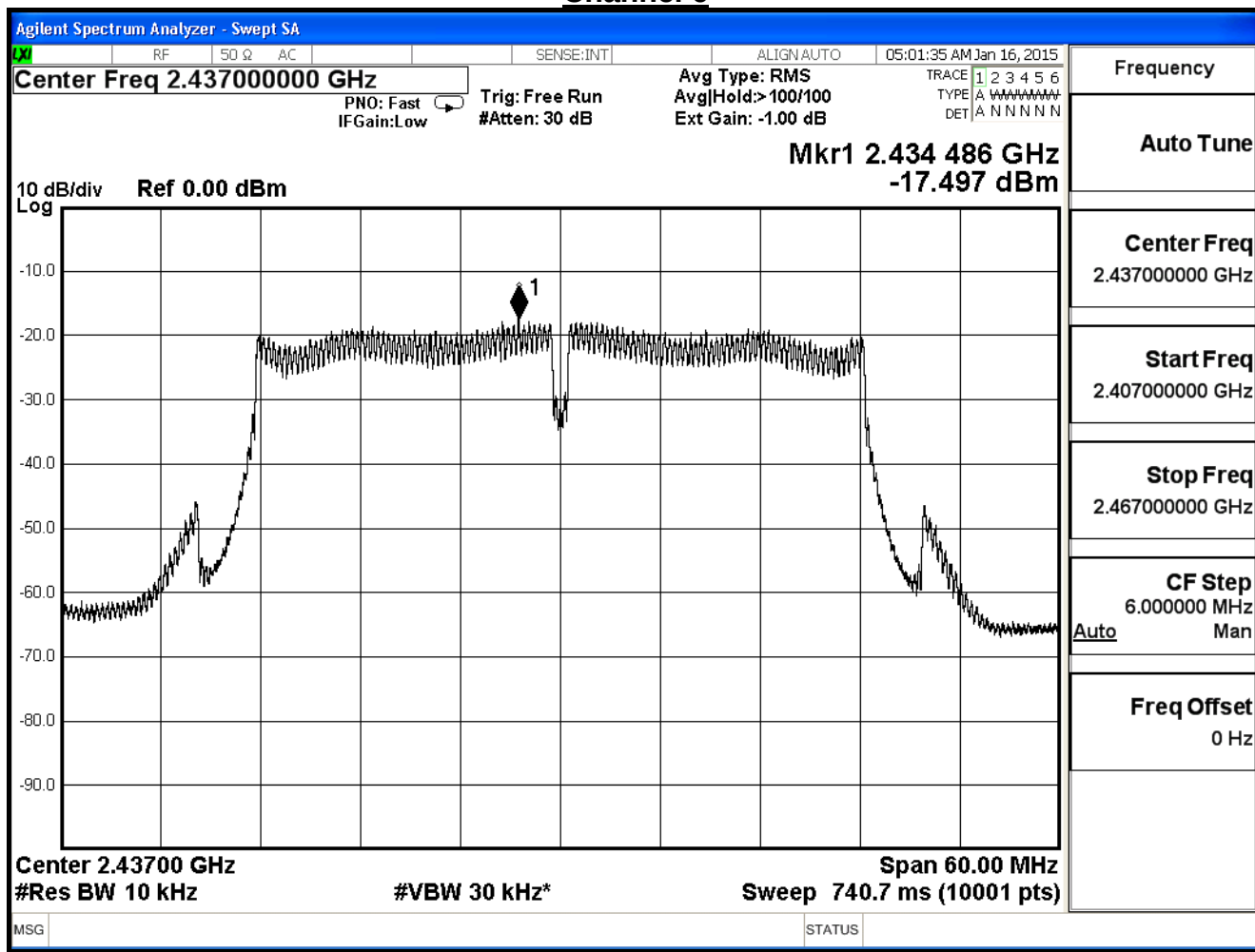
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-21.771	≤ 8	Pass
6	2437	-17.497	≤ 8	Pass
9	2452	-23.247	≤ 8	Pass

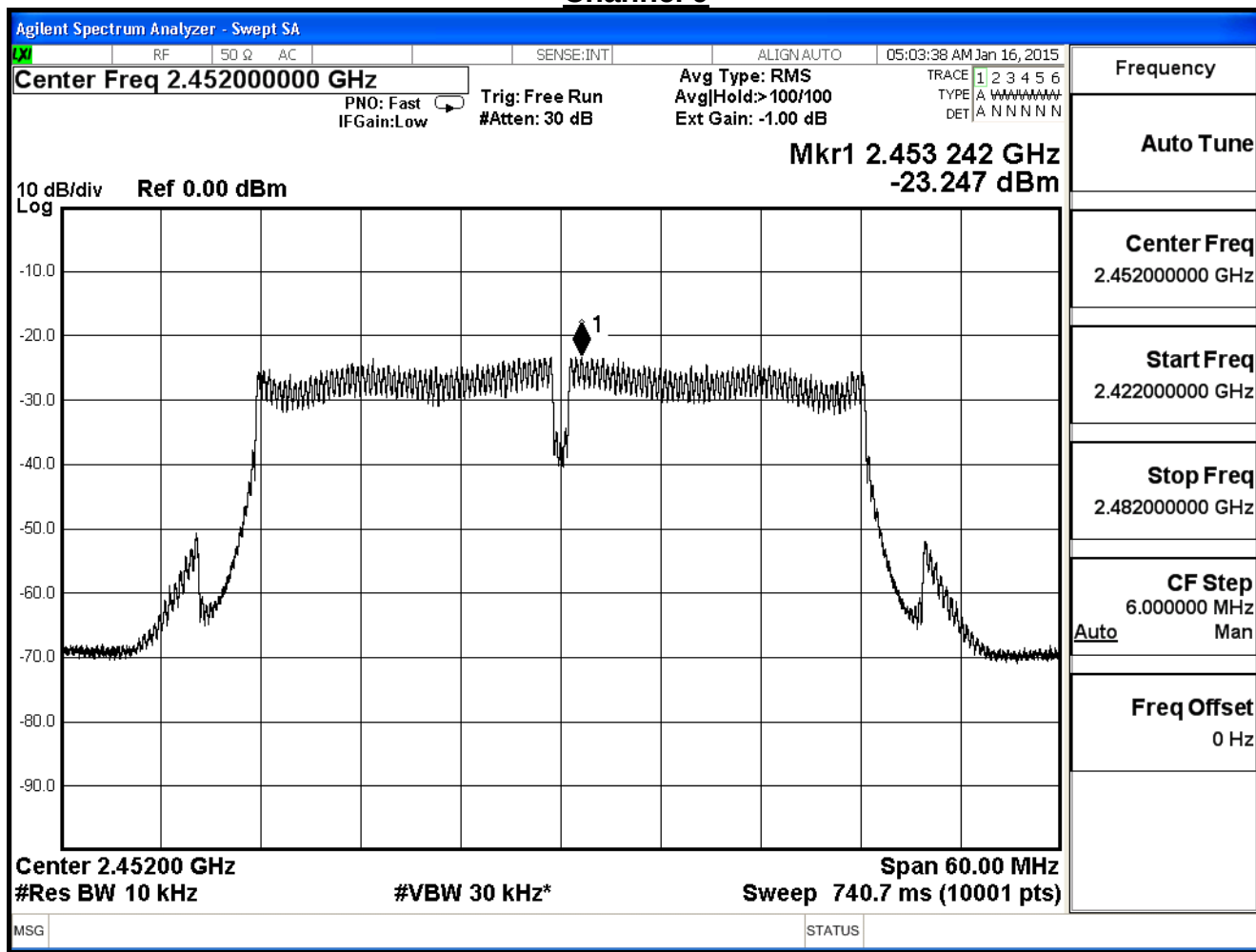
Channel 3



Channel 6



Channel 9



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/28	Test Site	SR7

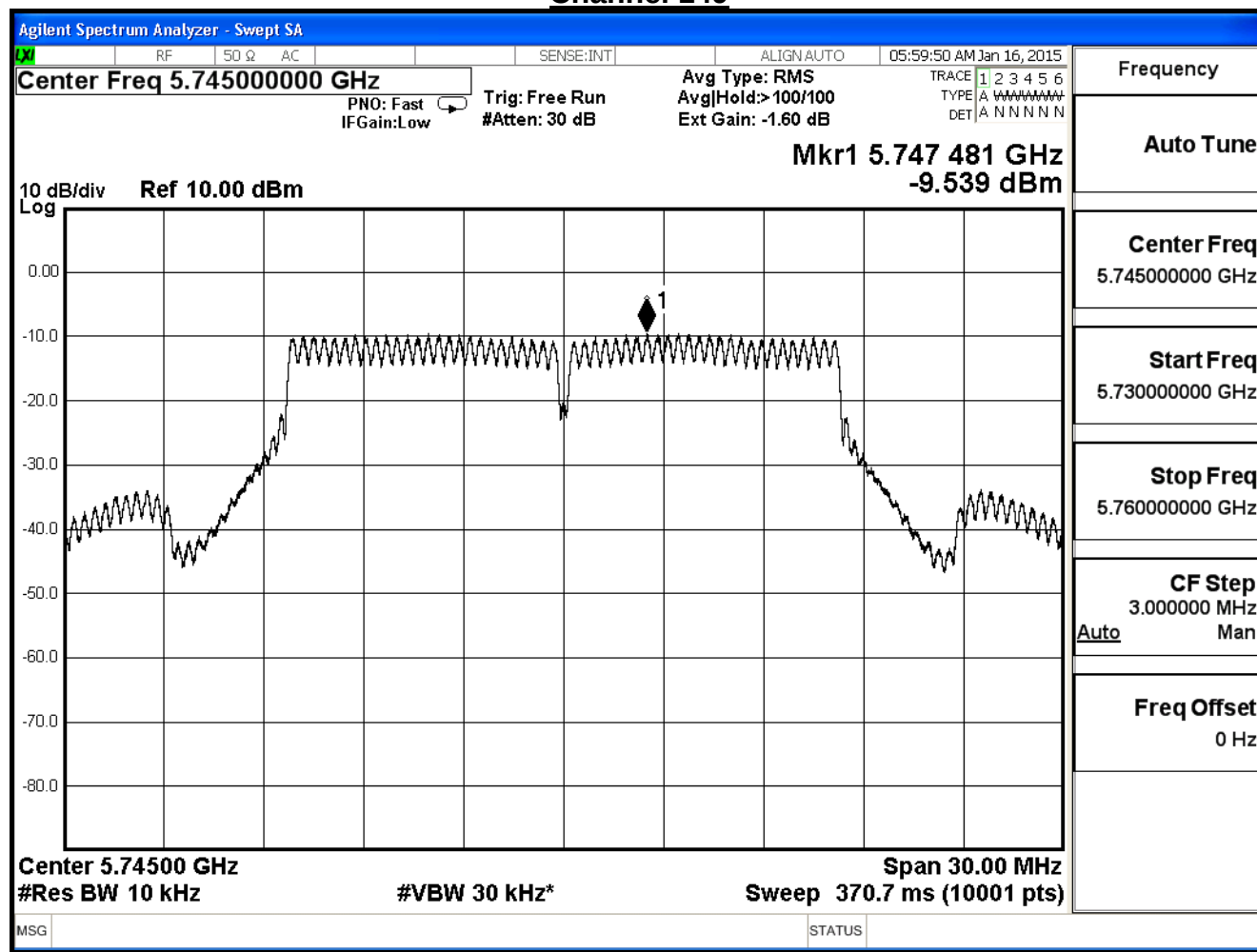
IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-16.528	≤ 8	Pass
6	2437	-12.957	≤ 8	Pass
9	2452	-17.161	≤ 8	Pass

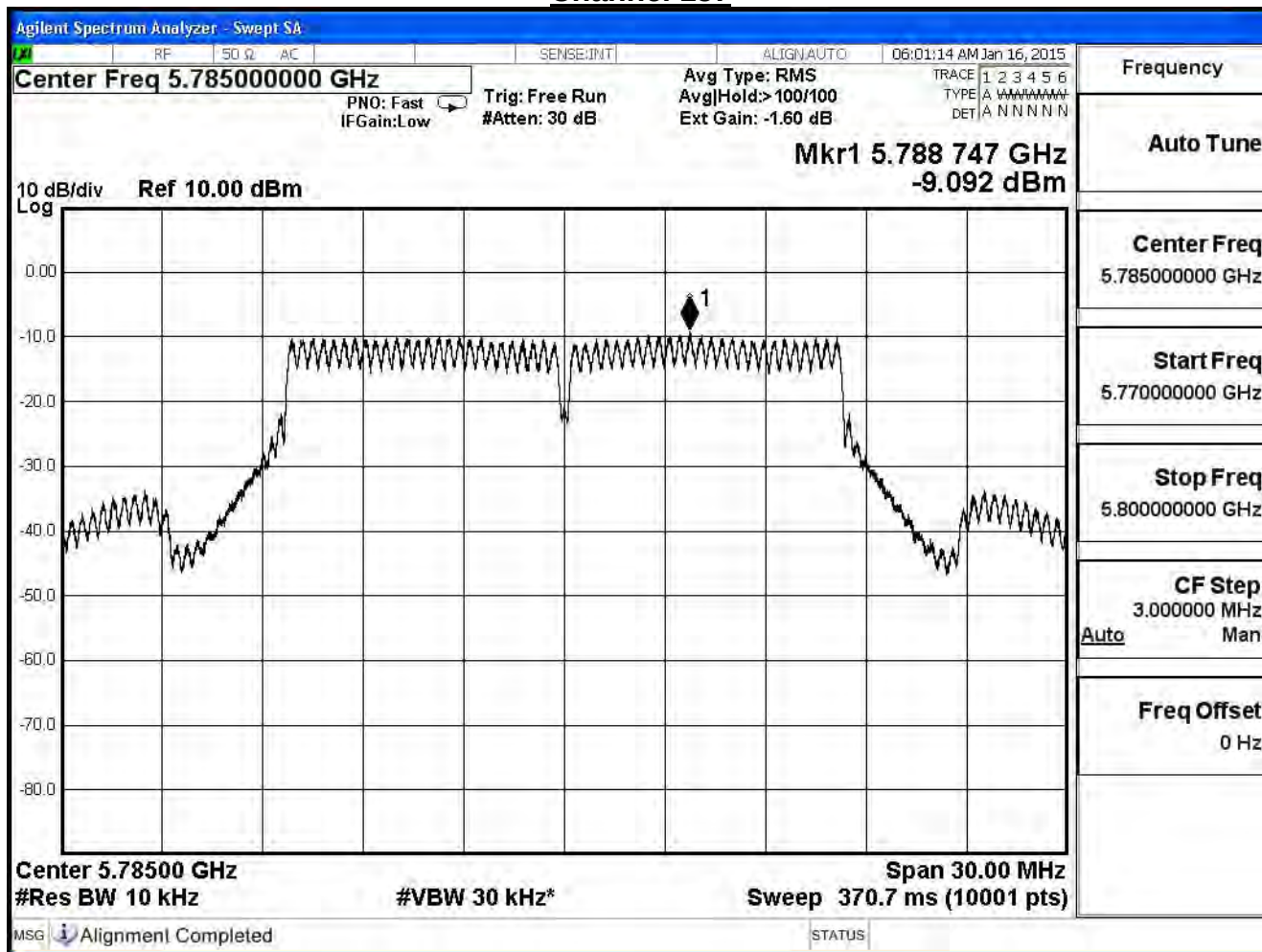
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-9.539	≤ 5.23	Pass
157	5785	-9.092	≤ 5.23	Pass
165	5825	-10.236	≤ 5.23	Pass

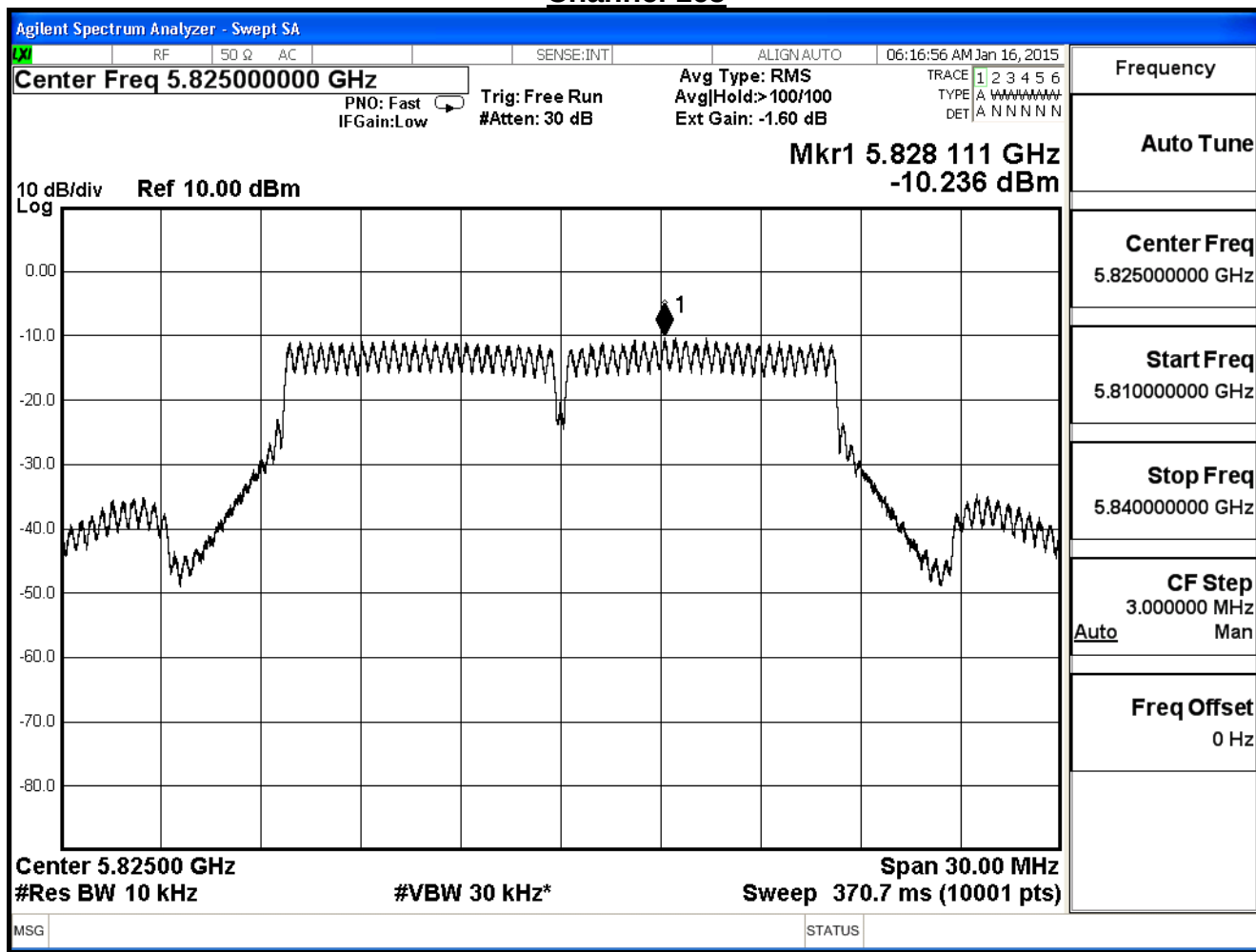
Channel 149



Channel 157



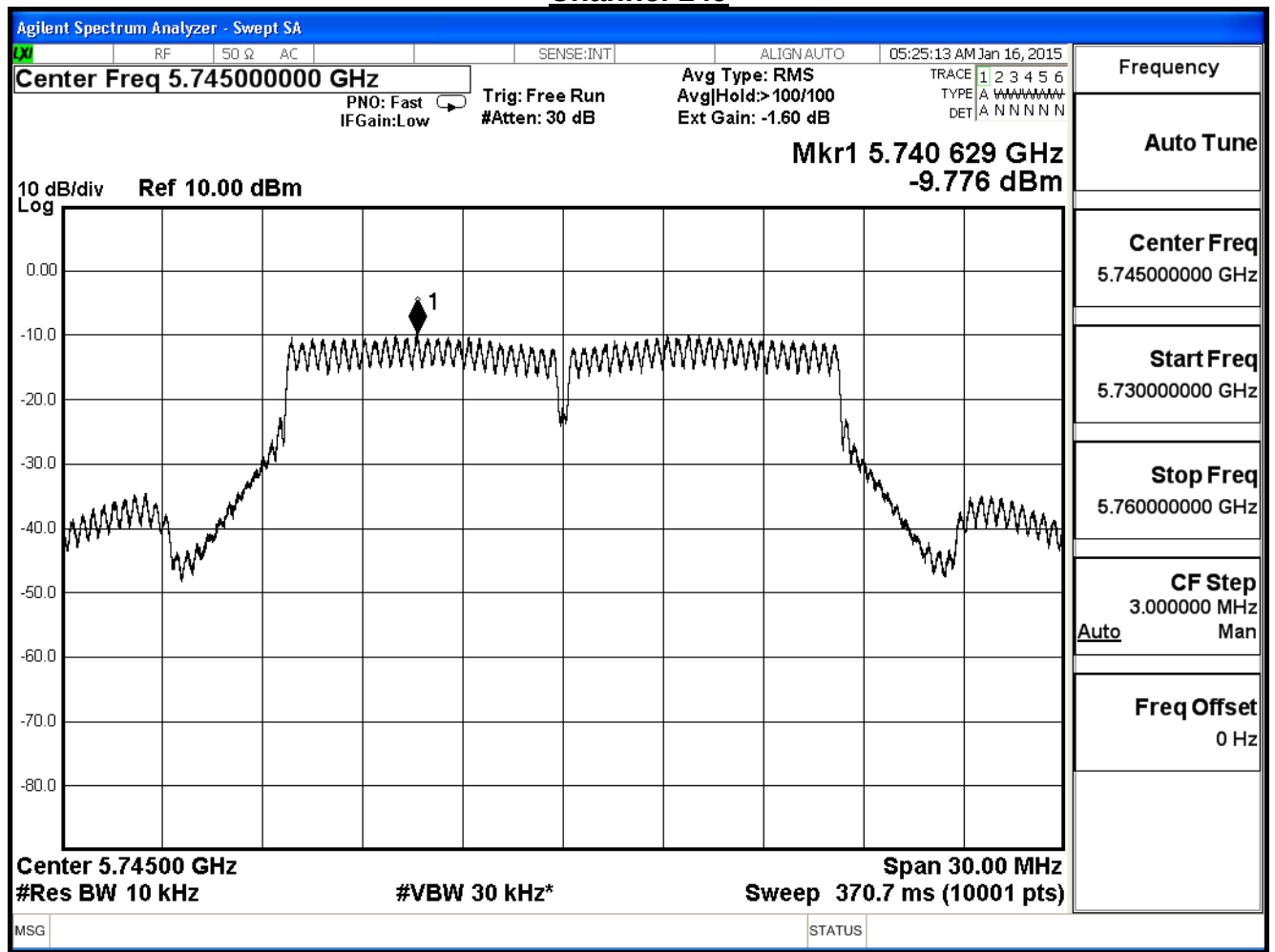
Channel 165



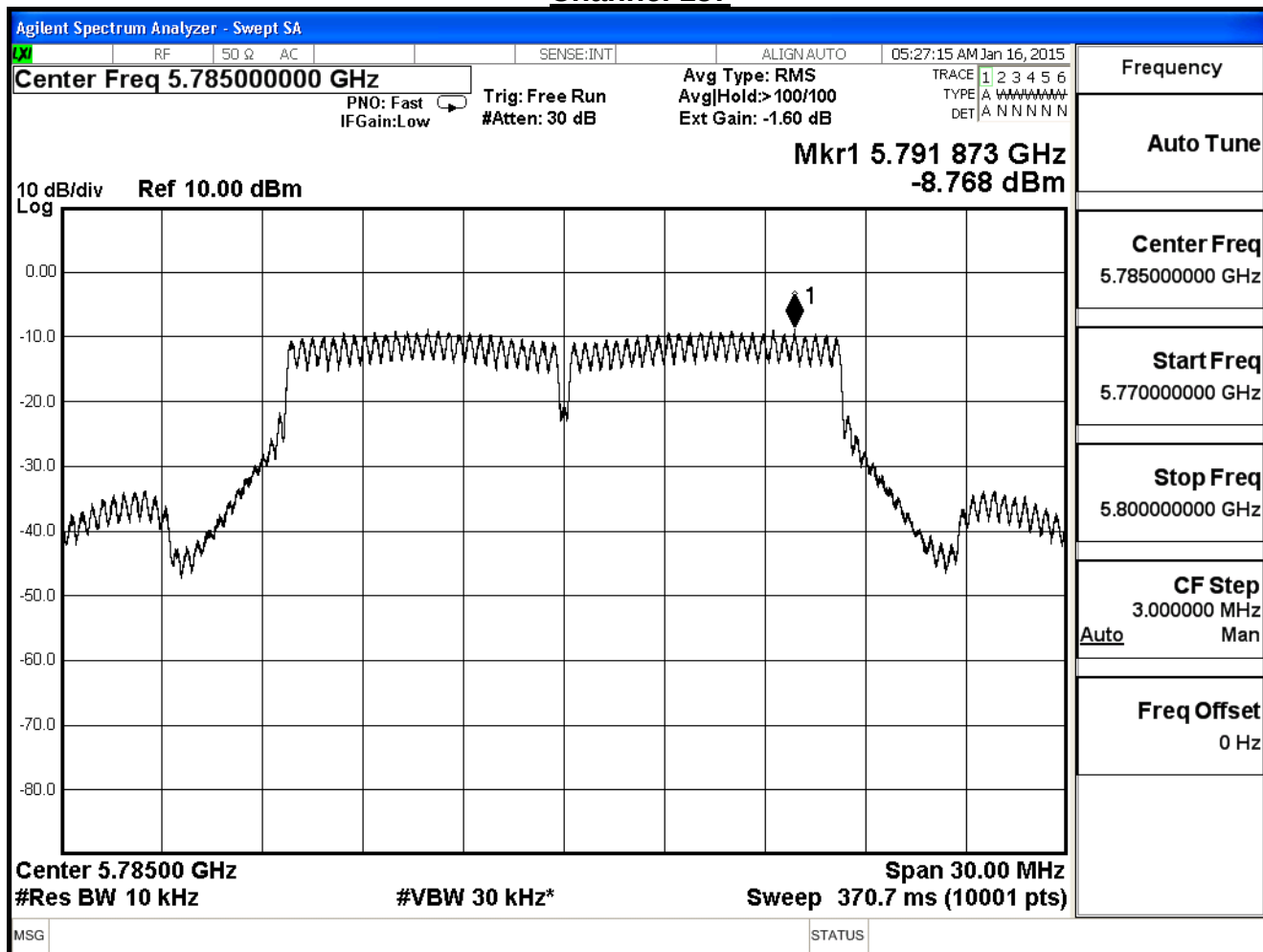
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

IEEE 802.11a (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-9.776	≤ 5.23	Pass
157	5785	-8.768	≤ 5.23	Pass
165	5825	-10.094	≤ 5.23	Pass

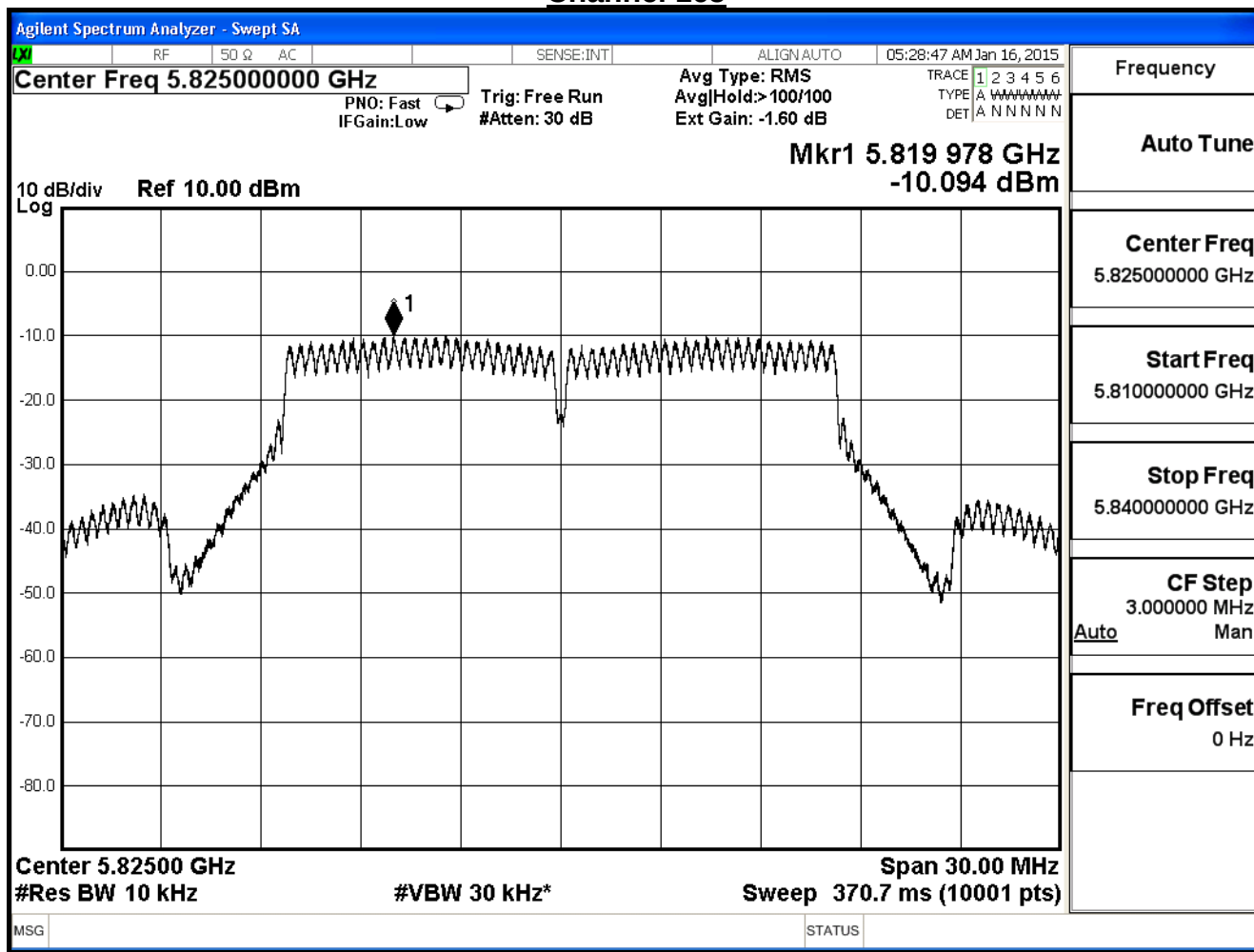
Channel 149



Channel 157



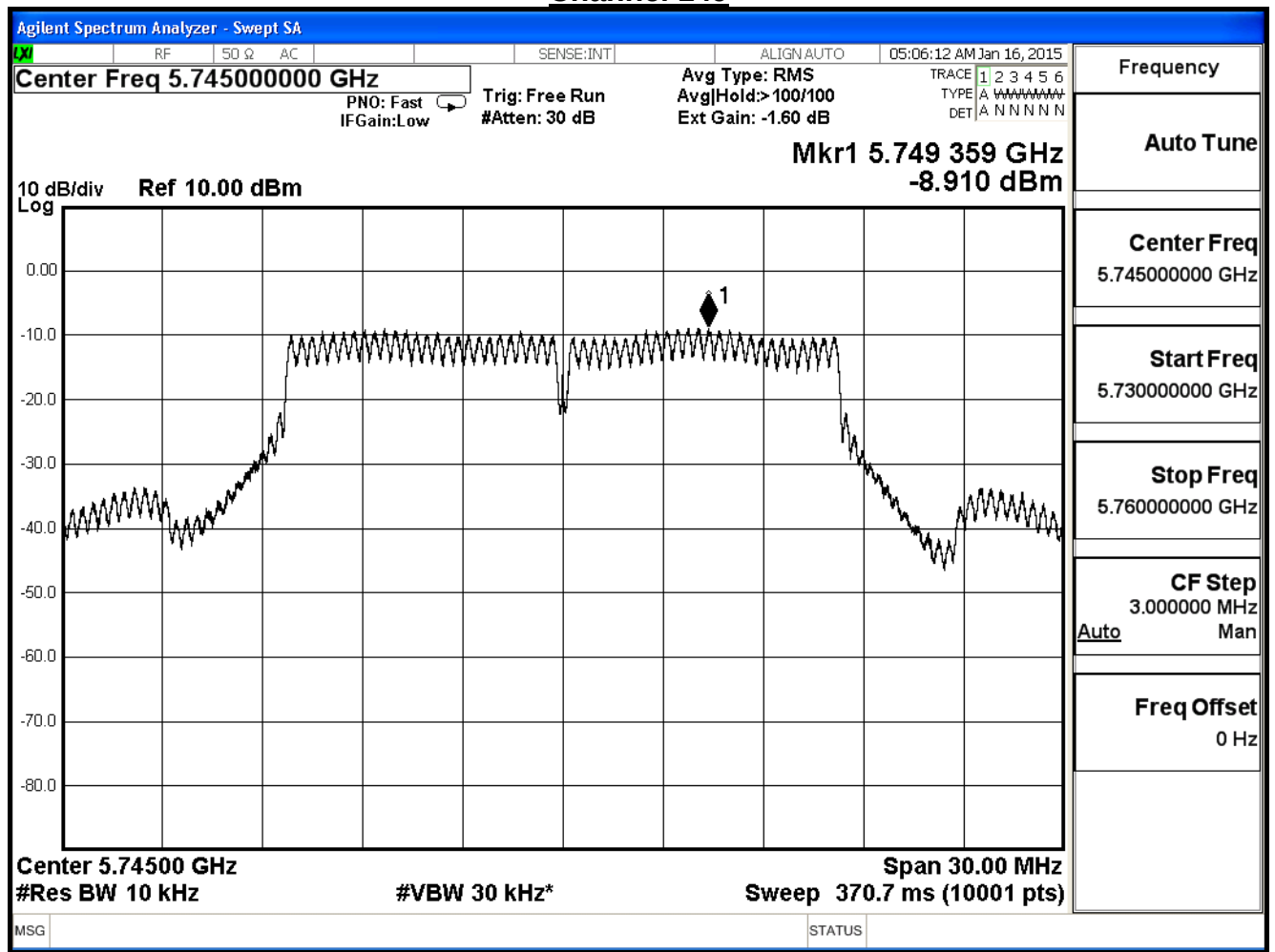
Channel 165



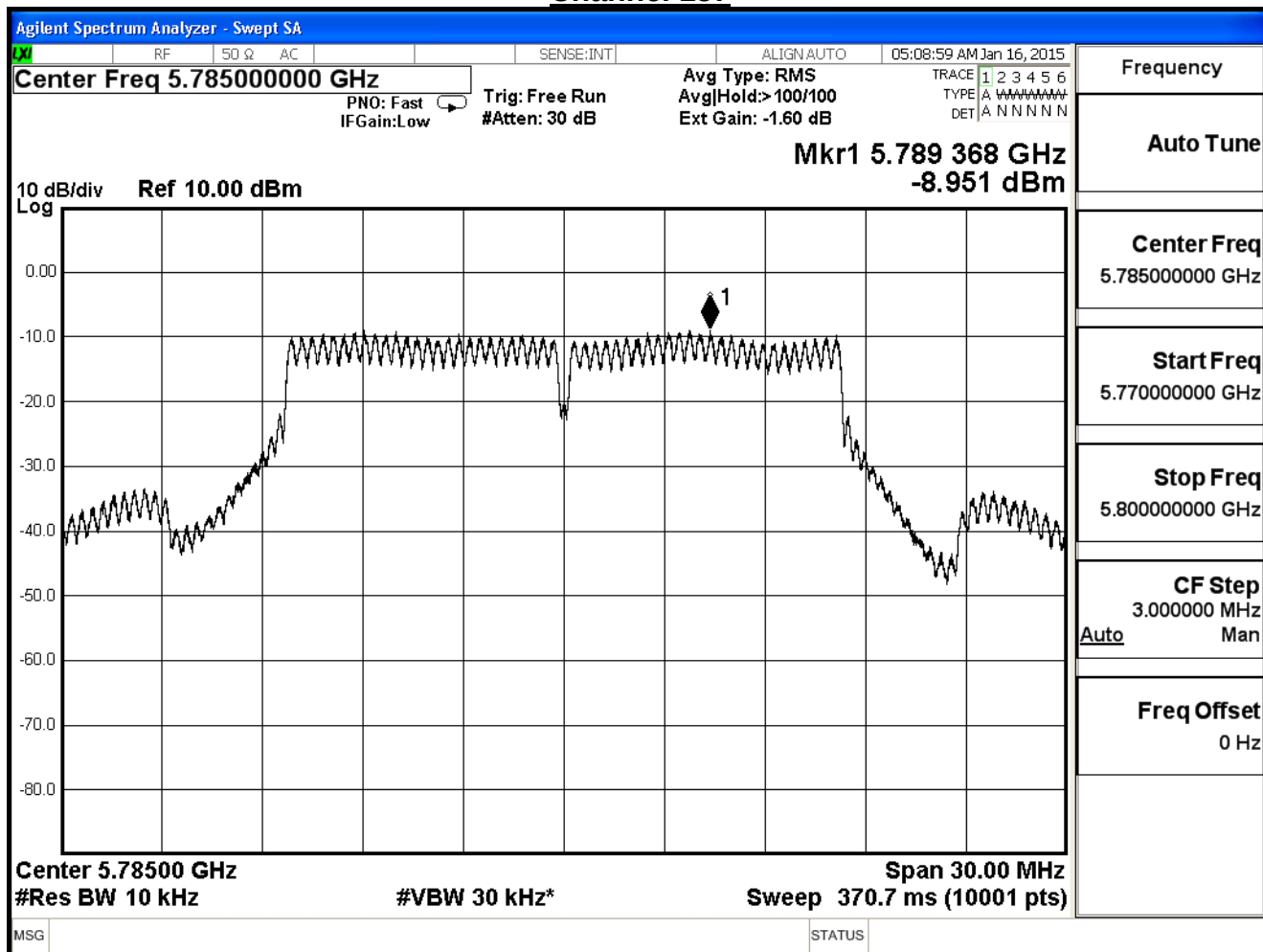
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

IEEE 802.11a (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-8.910	≤ 5.23	Pass
157	5785	-8.951	≤ 5.23	Pass
165	5825	-9.973	≤ 5.23	Pass

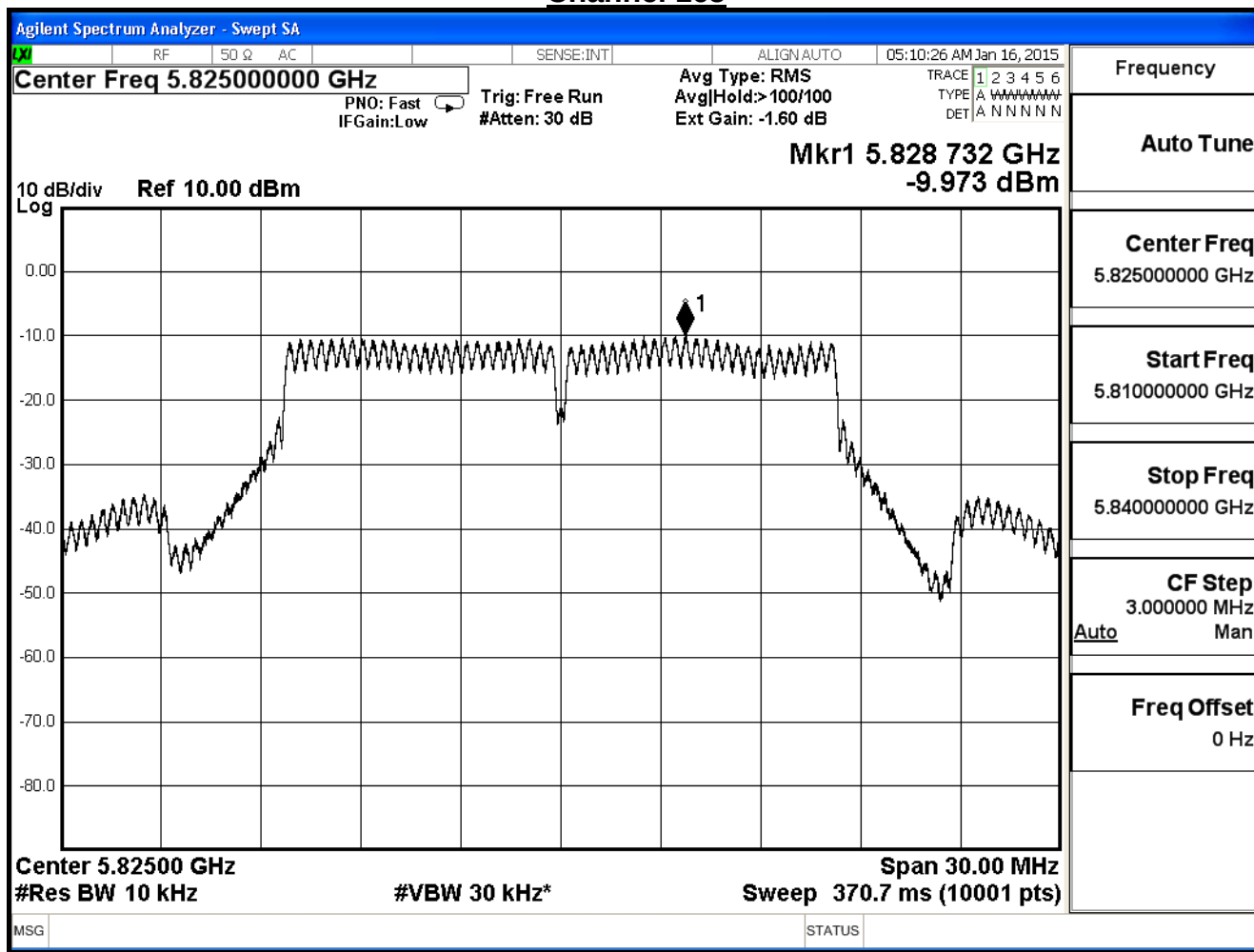
Channel 149



Channel 157



Channel 165



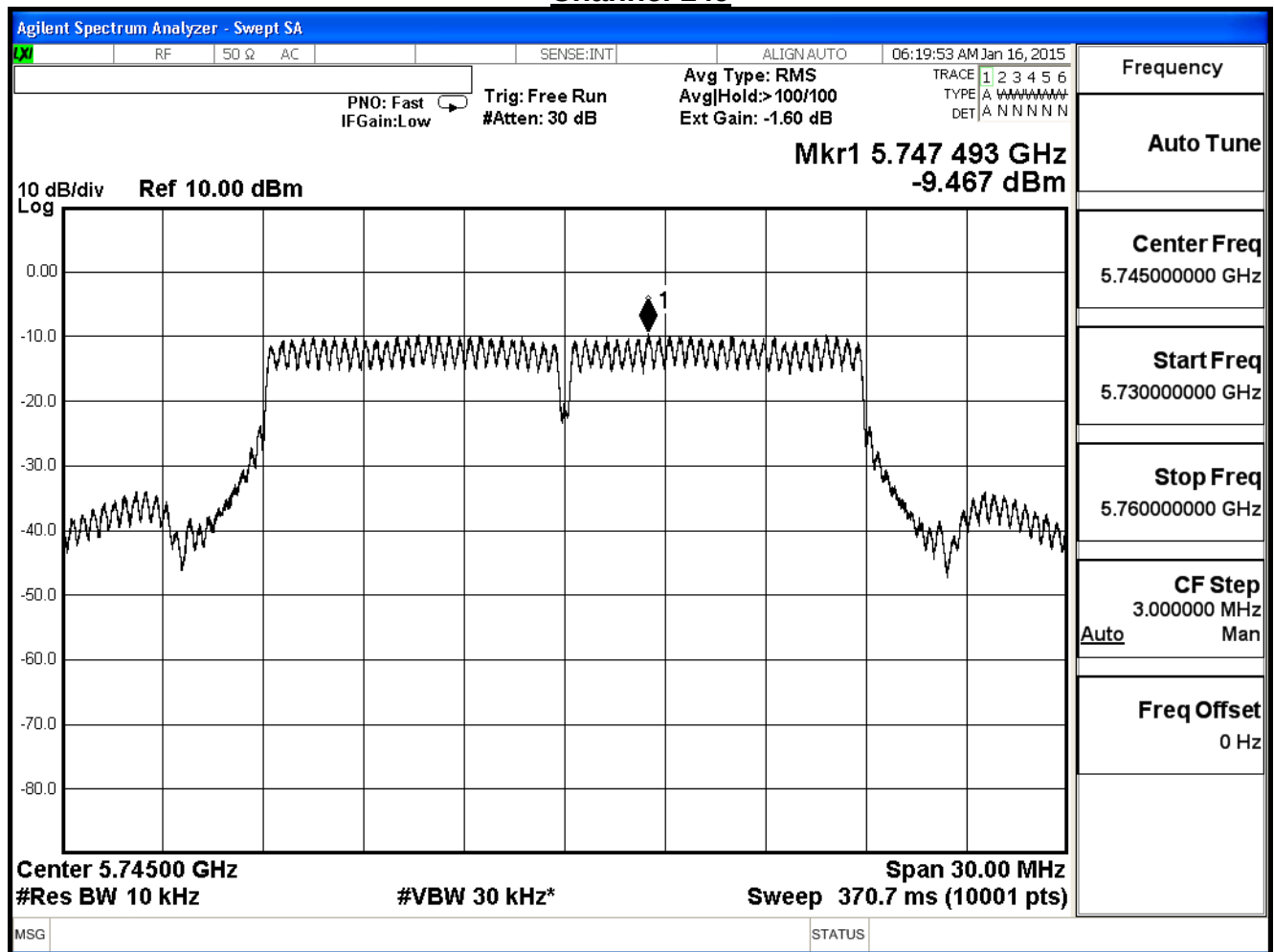
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

IEEE 802.11a (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-4.622	≤ 5.23	Pass
157	5785	-4.164	≤ 5.23	Pass
165	5825	-5.328	≤ 5.23	Pass

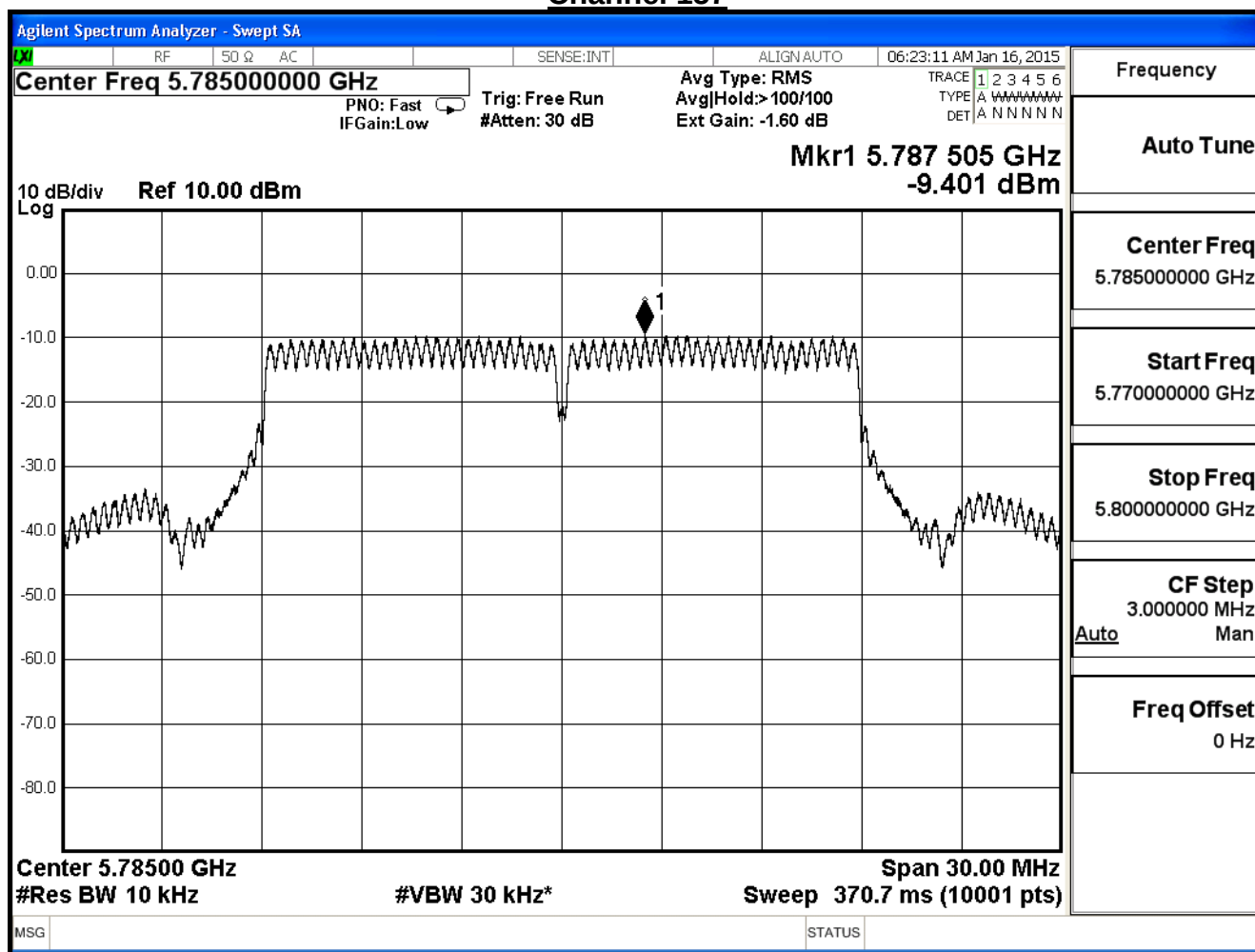
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-9.467	≤ 5.23	Pass
157	5785	-9.401	≤ 5.23	Pass
165	5825	-10.054	≤ 5.23	Pass

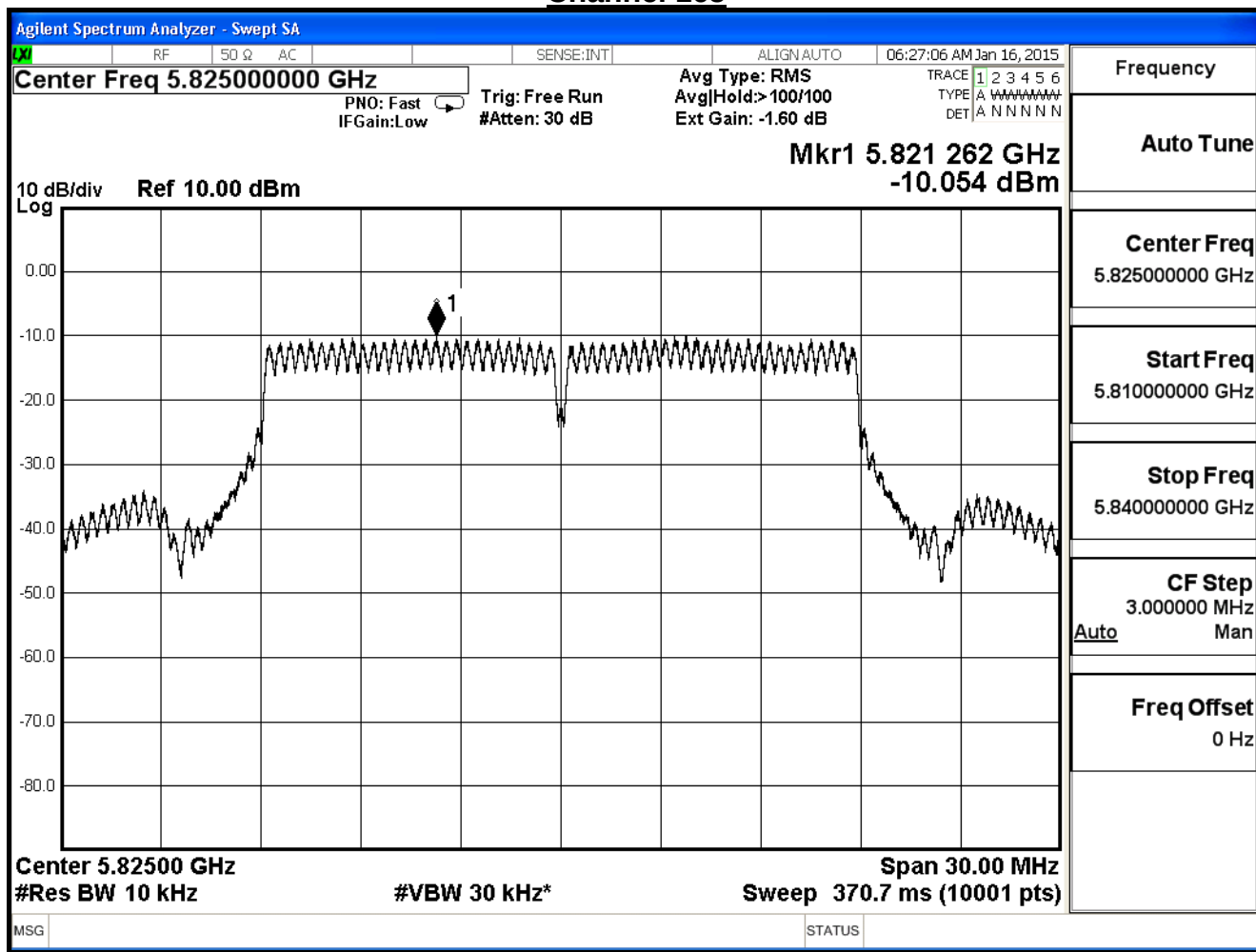
Channel 149



Channel 157



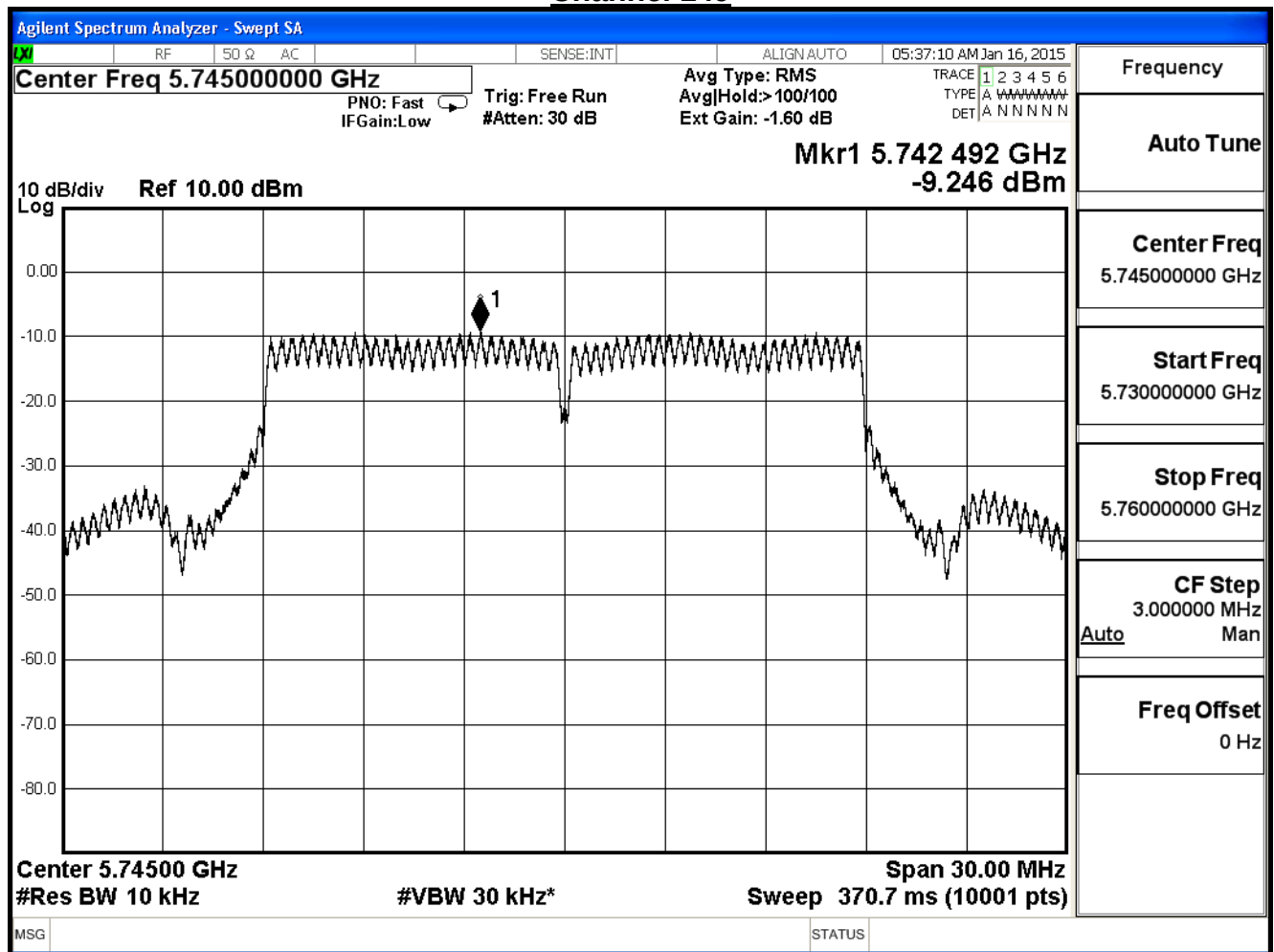
Channel 165



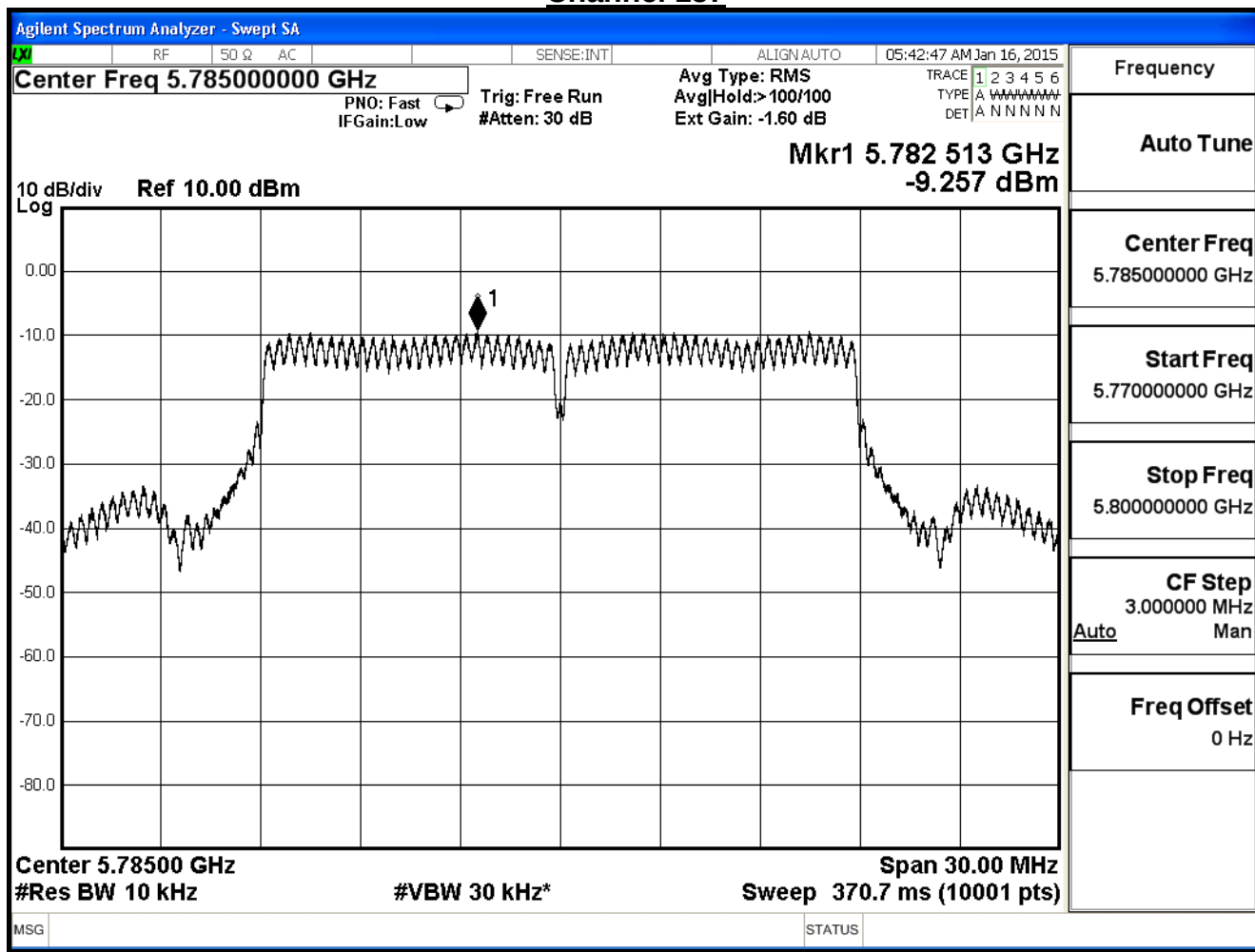
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-9.246	≤ 5.23	Pass
157	5785	-9.257	≤ 5.23	Pass
165	5825	-10.269	≤ 5.23	Pass

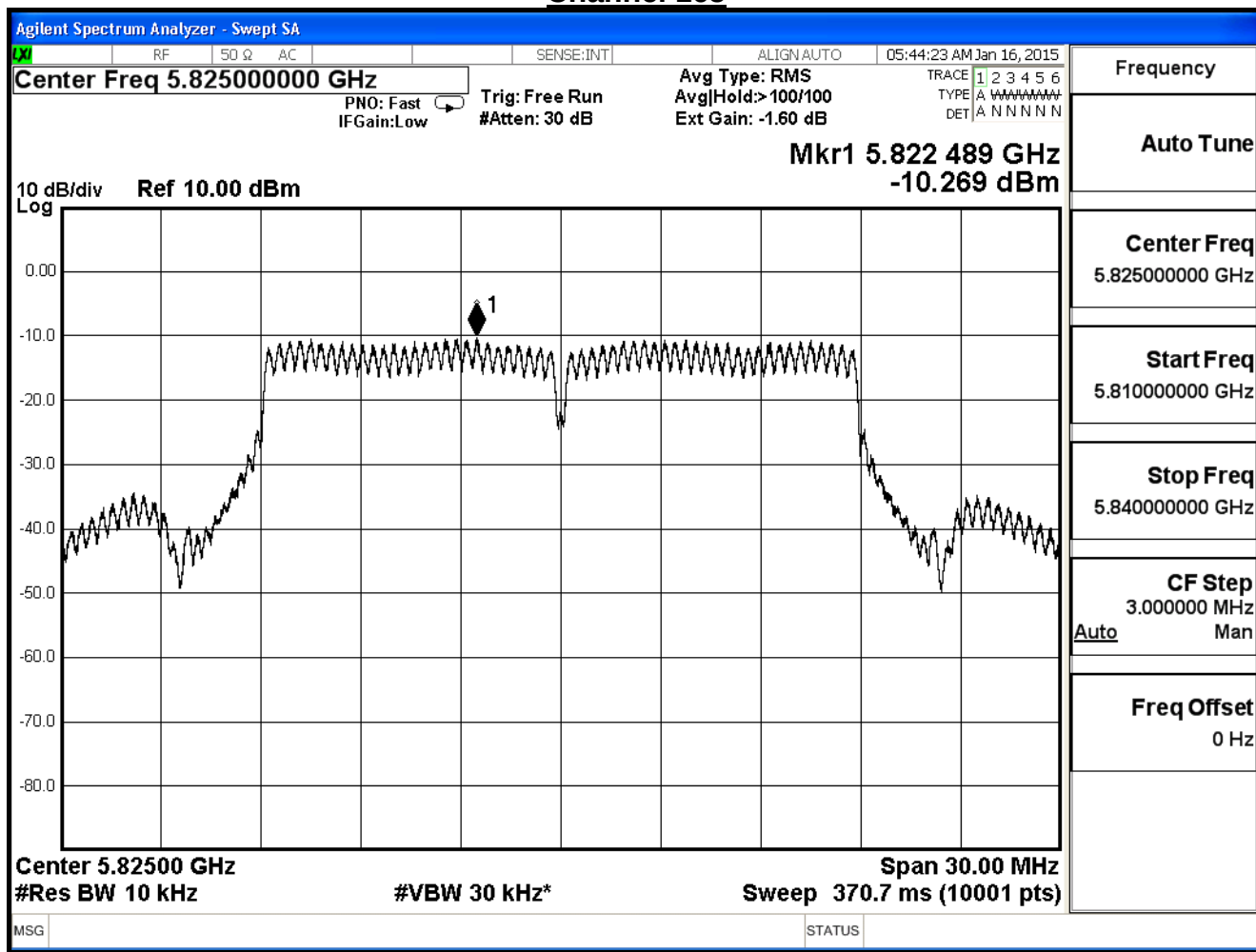
Channel 149



Channel 157



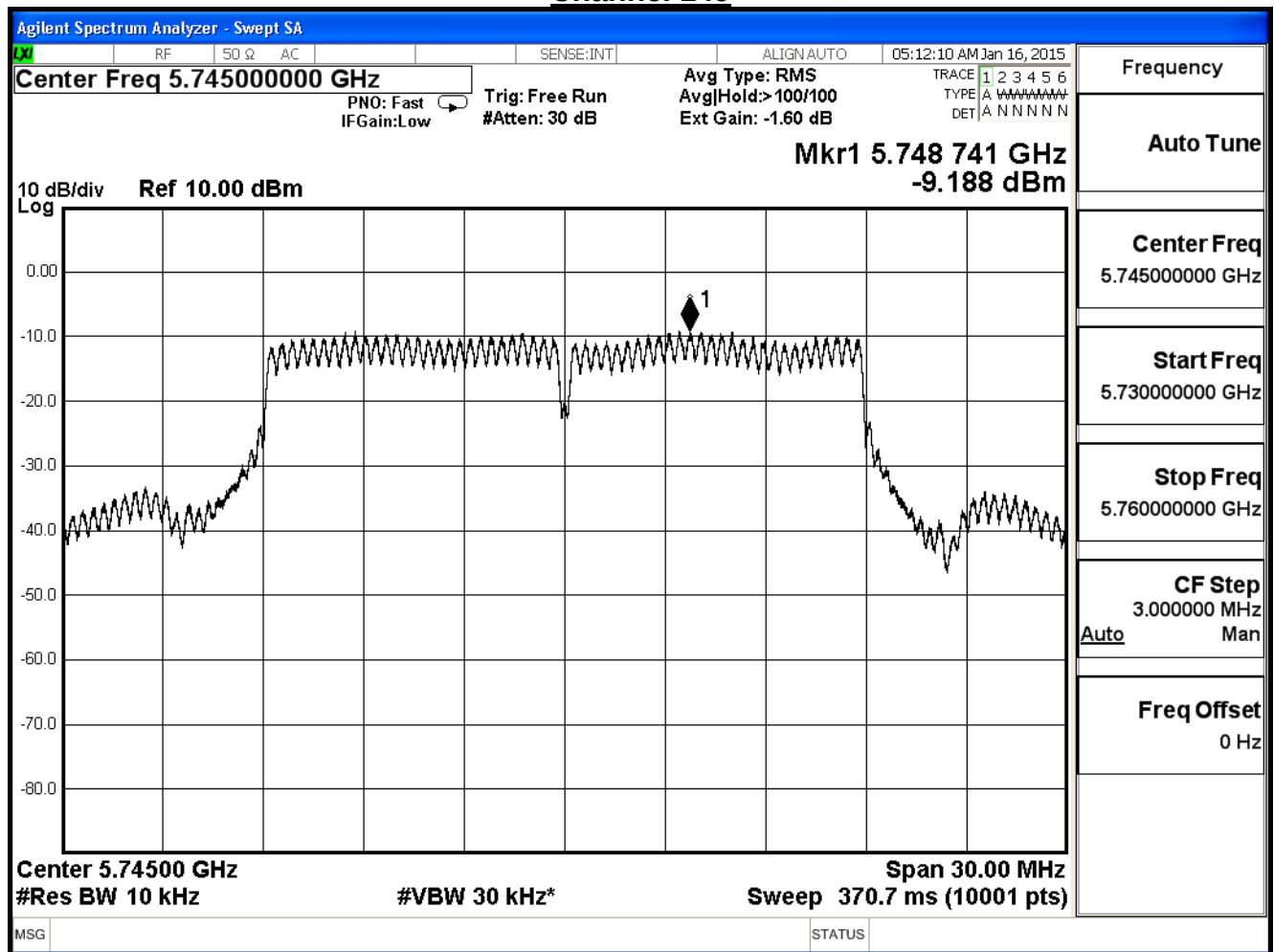
Channel 165



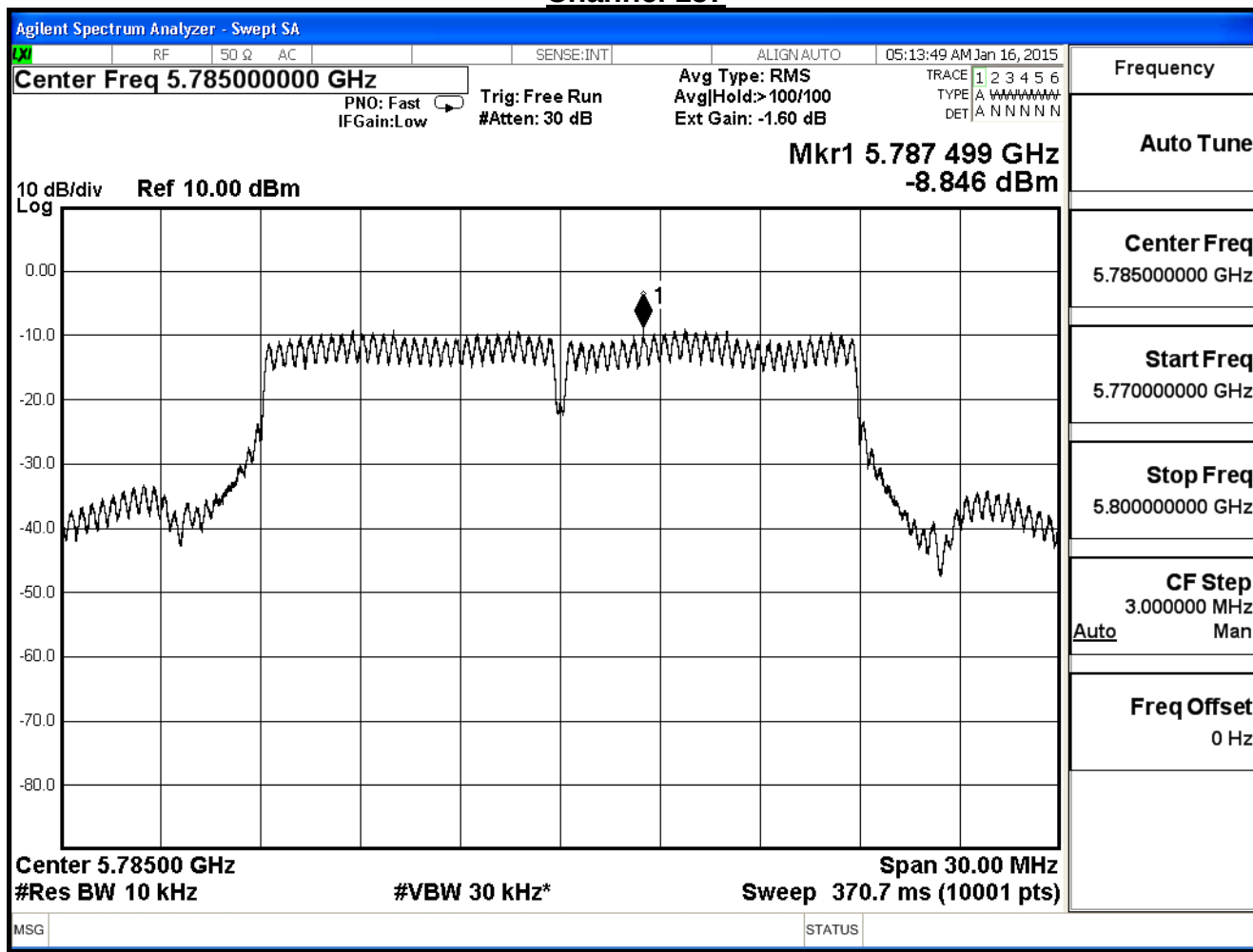
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-9.188	≤ 5.23	Pass
157	5785	-8.846	≤ 5.23	Pass
165	5825	-10.123	≤ 5.23	Pass

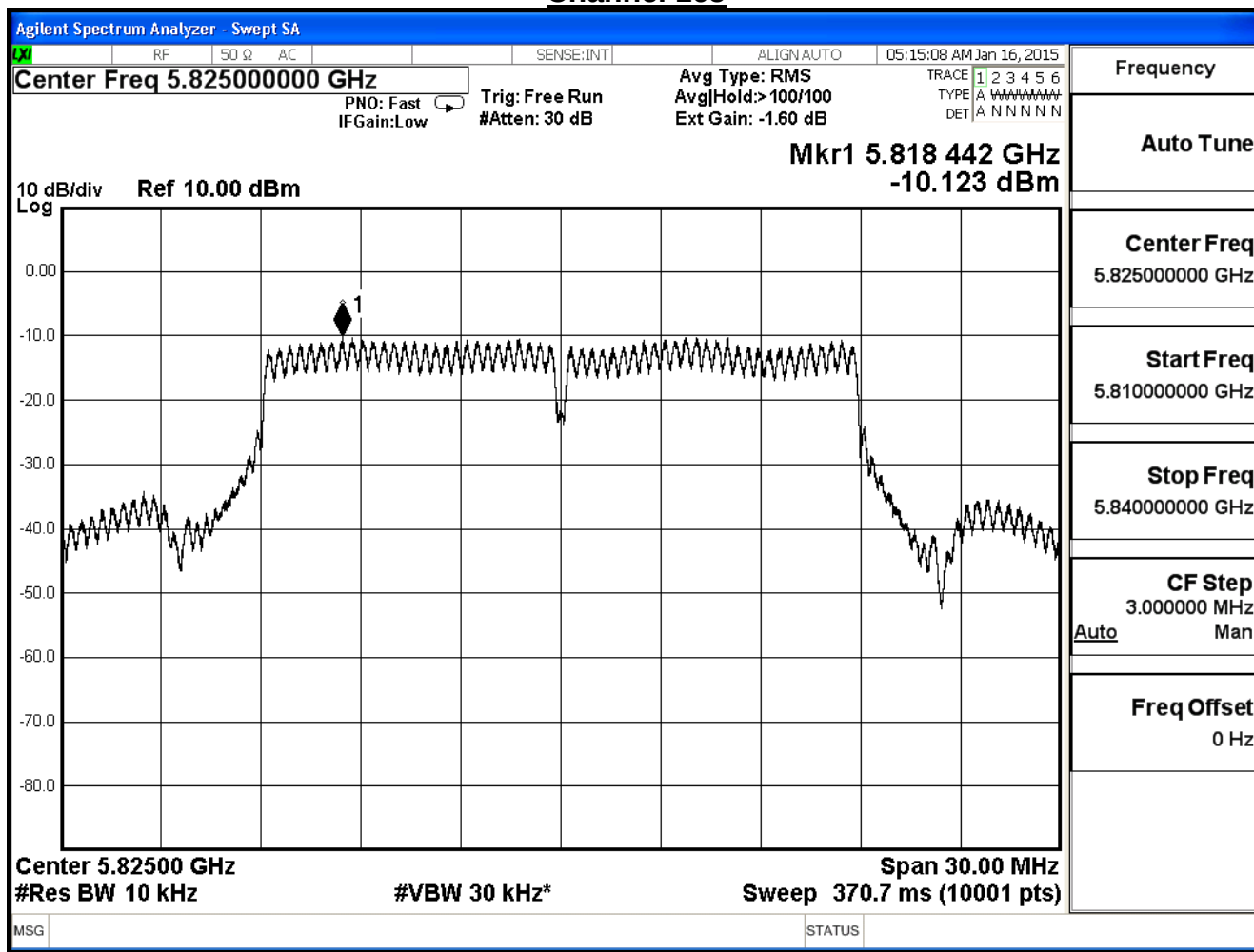
Channel 149



Channel 157



Channel 165



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

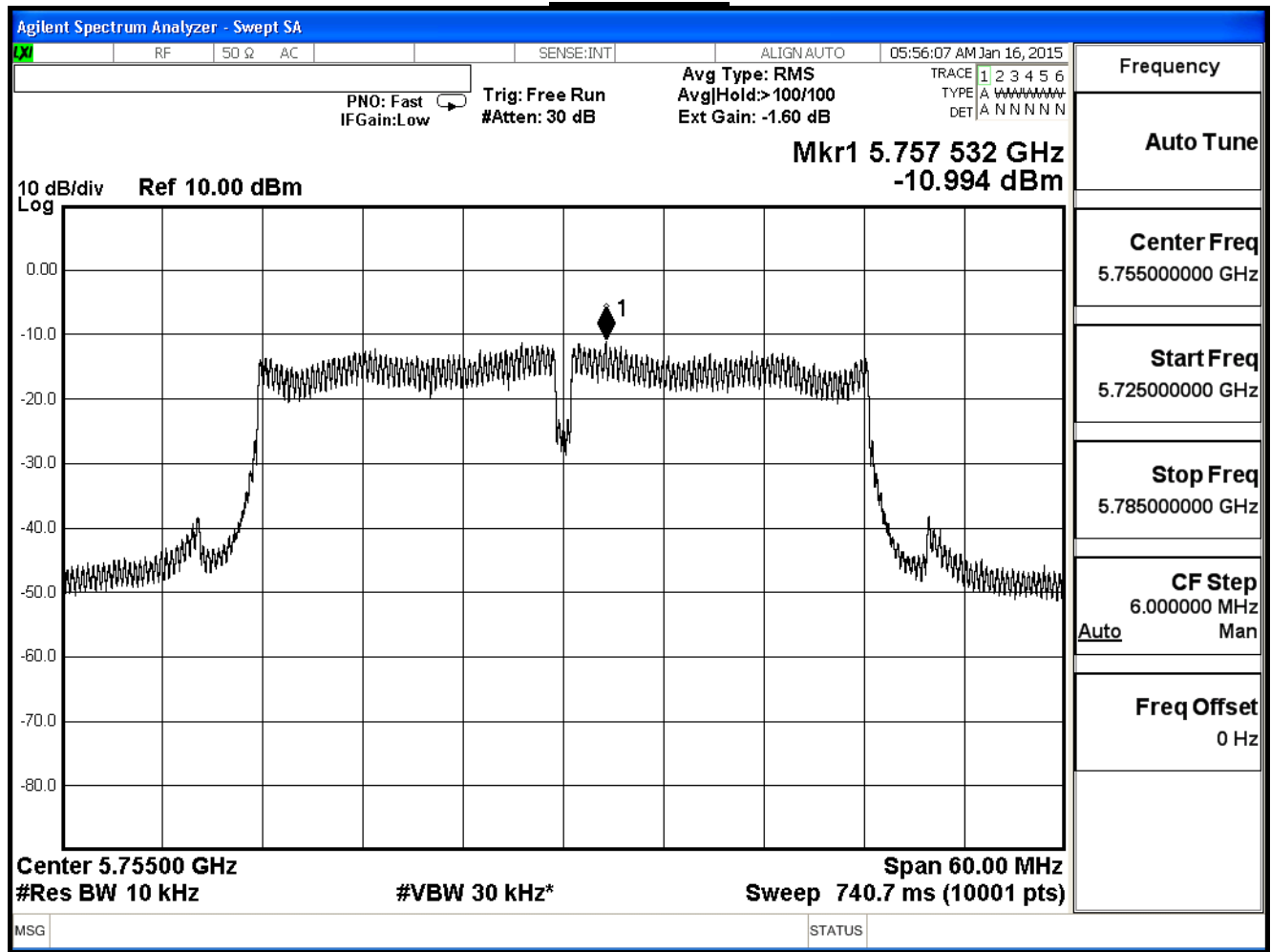
IEEE802.11n 20MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-4.527	≤ 5.23	Pass
157	5785	-4.390	≤ 5.23	Pass
165	5825	-5.377	≤ 5.23	Pass

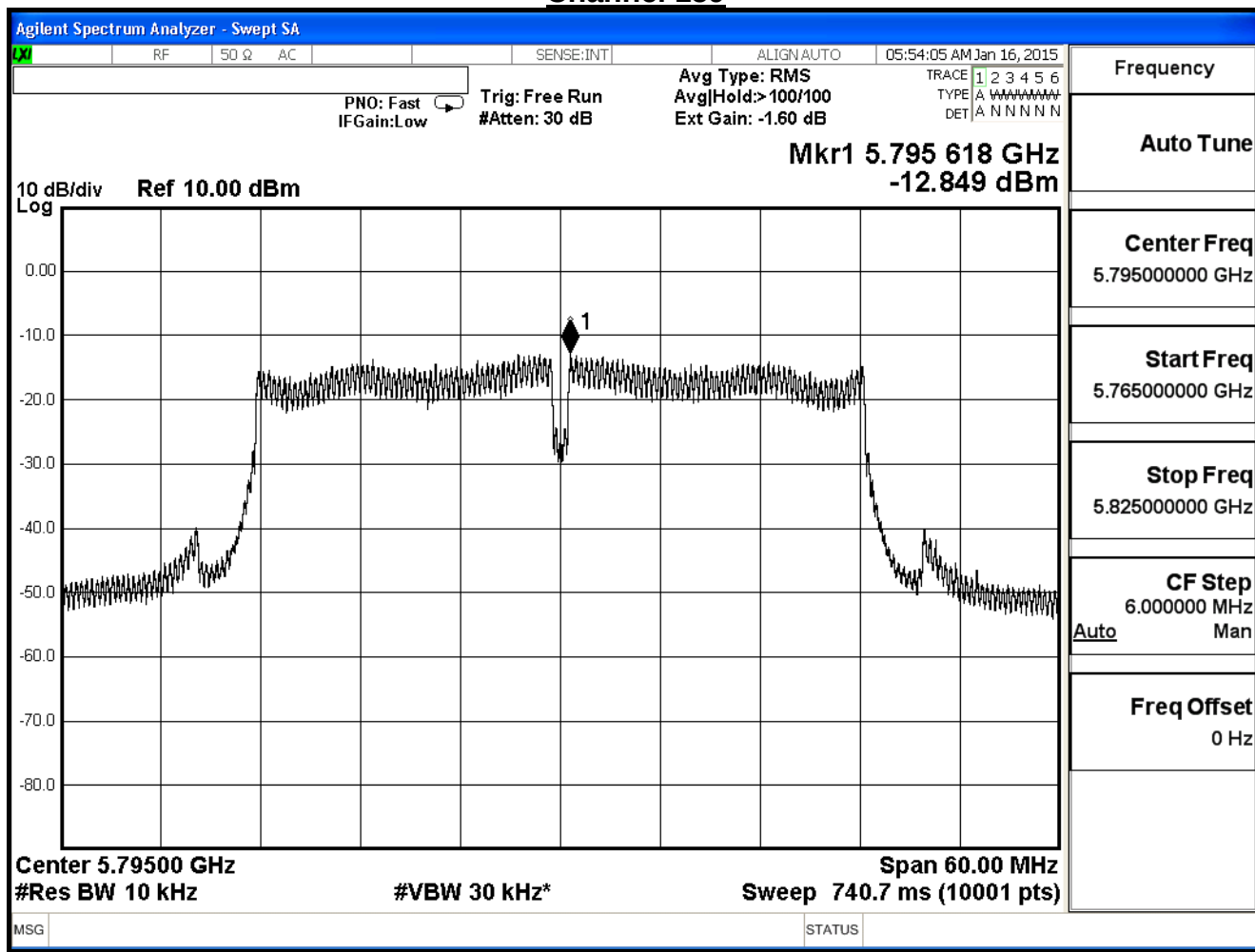
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-10.994	≤ 5.23	Pass
159	5795	-12.849	≤ 5.23	Pass

Channel 151



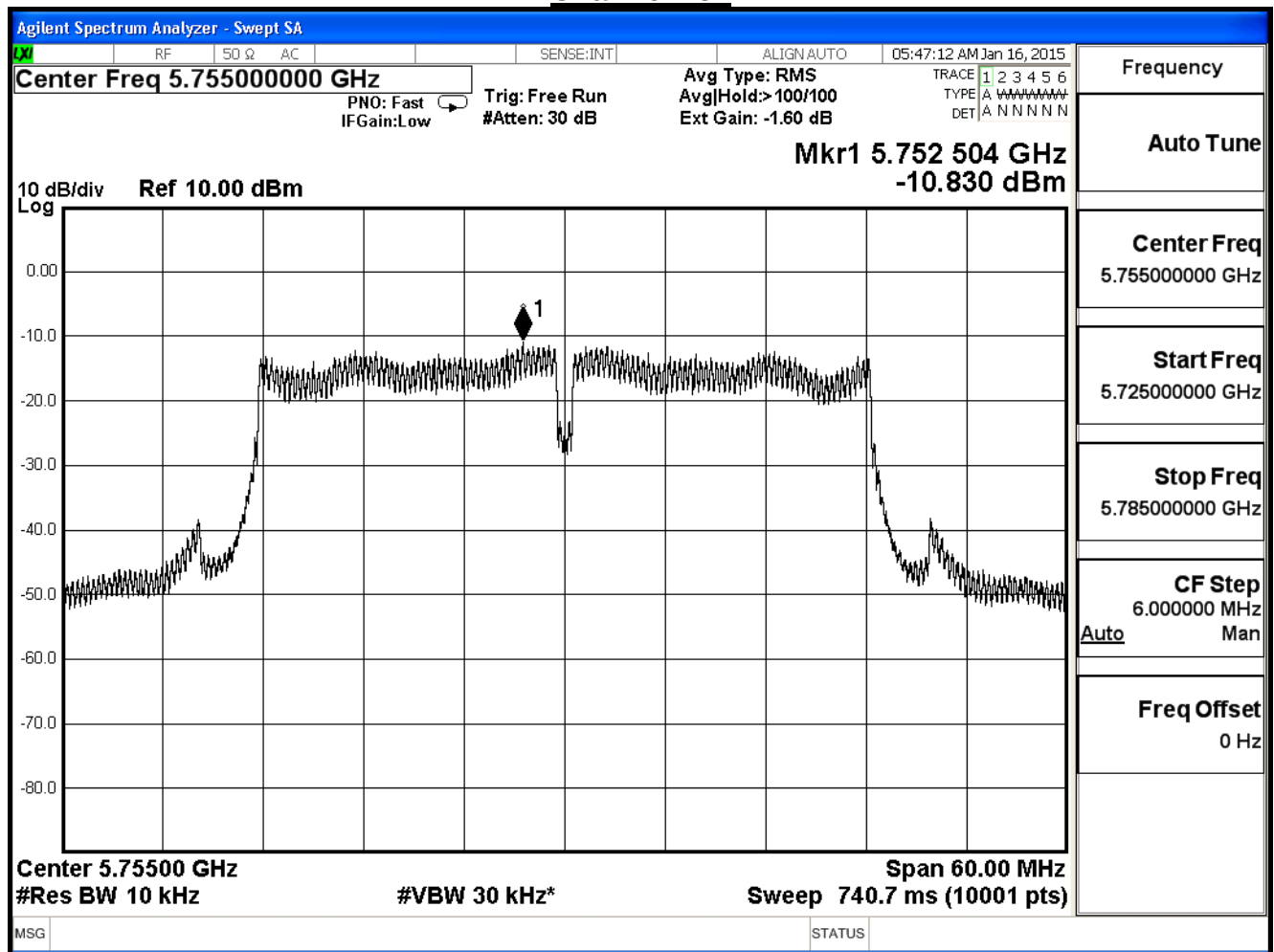
Channel 159



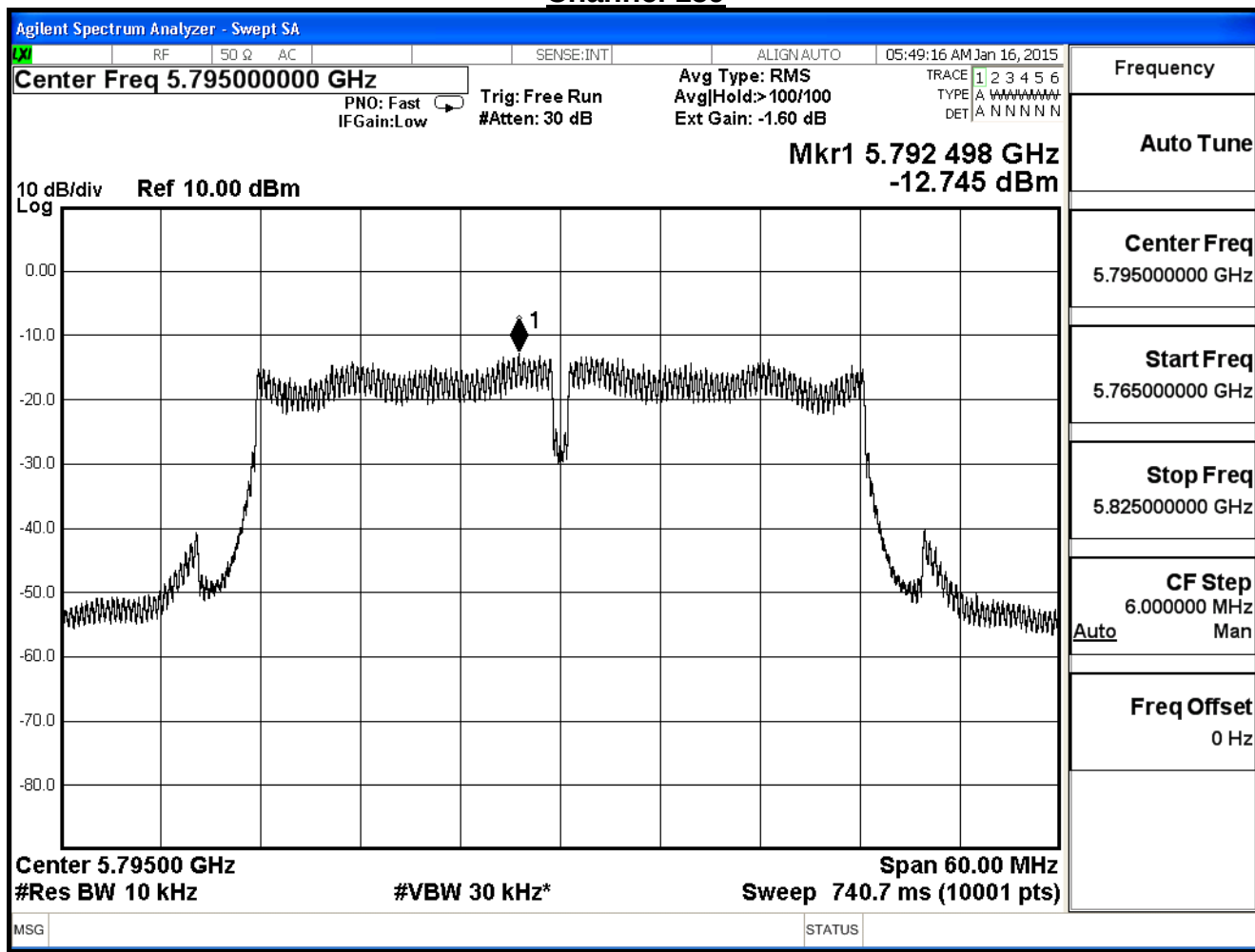
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-10.830	≤ 5.23	Pass
159	5795	-12.745	≤ 5.23	Pass

Channel 151



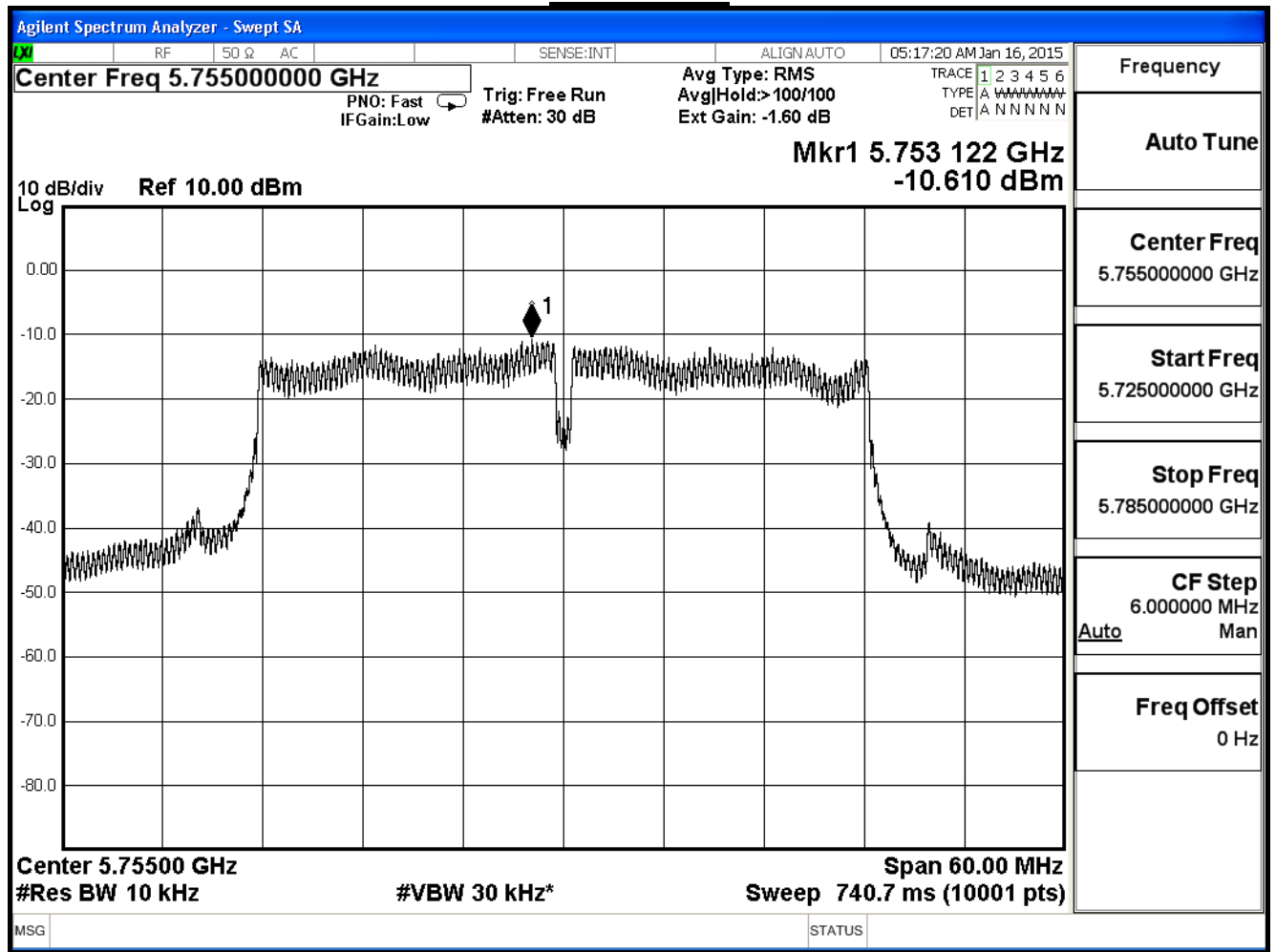
Channel 159



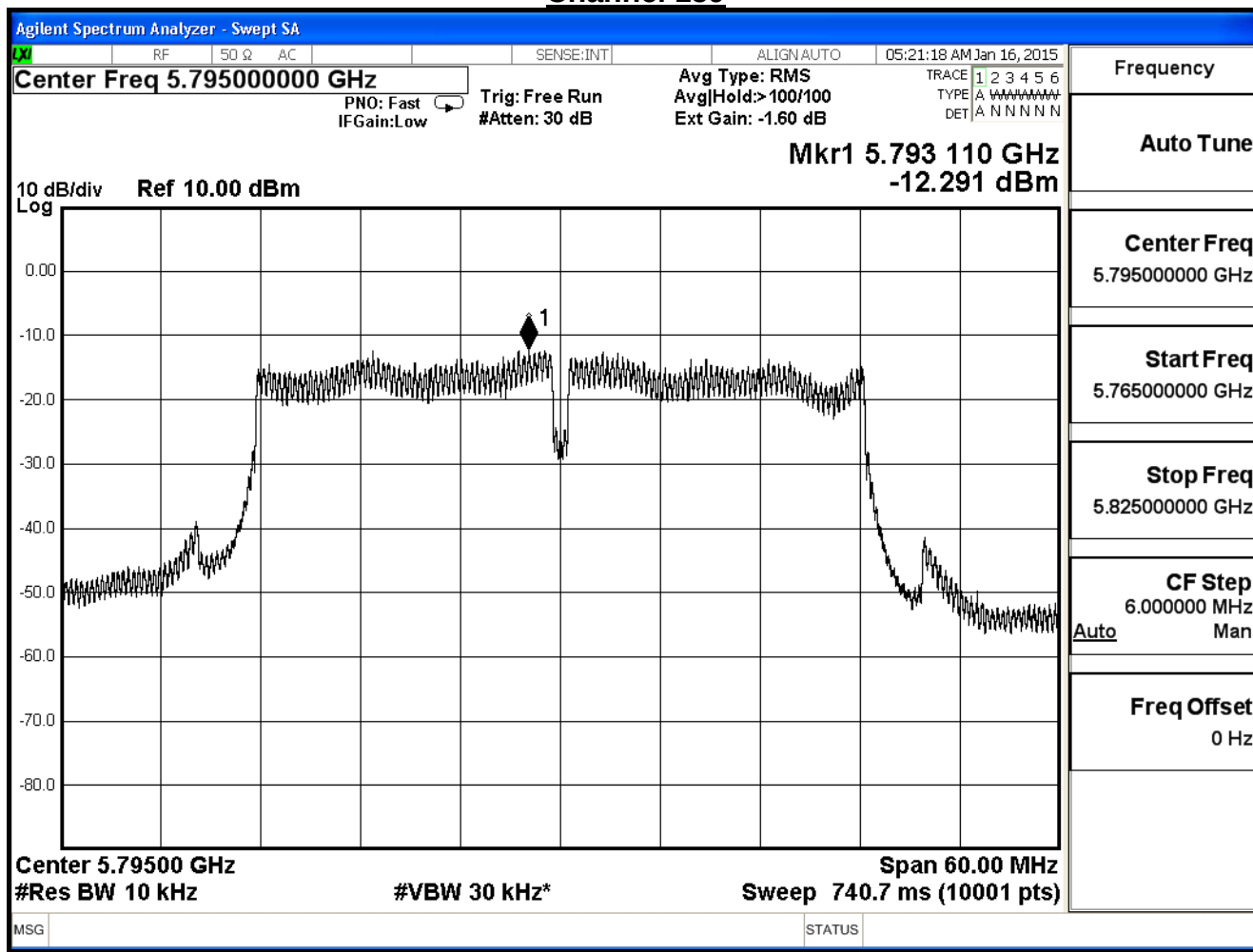
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-10.610	≤ 5.23	Pass
159	5795	-12.291	≤ 5.23	Pass

Channel 151



Channel 159



Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_AD82030		
Date of Test	2015/01/16	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-6.037	≤ 5.23	Pass
159	5795	-7.850	≤ 5.23	Pass