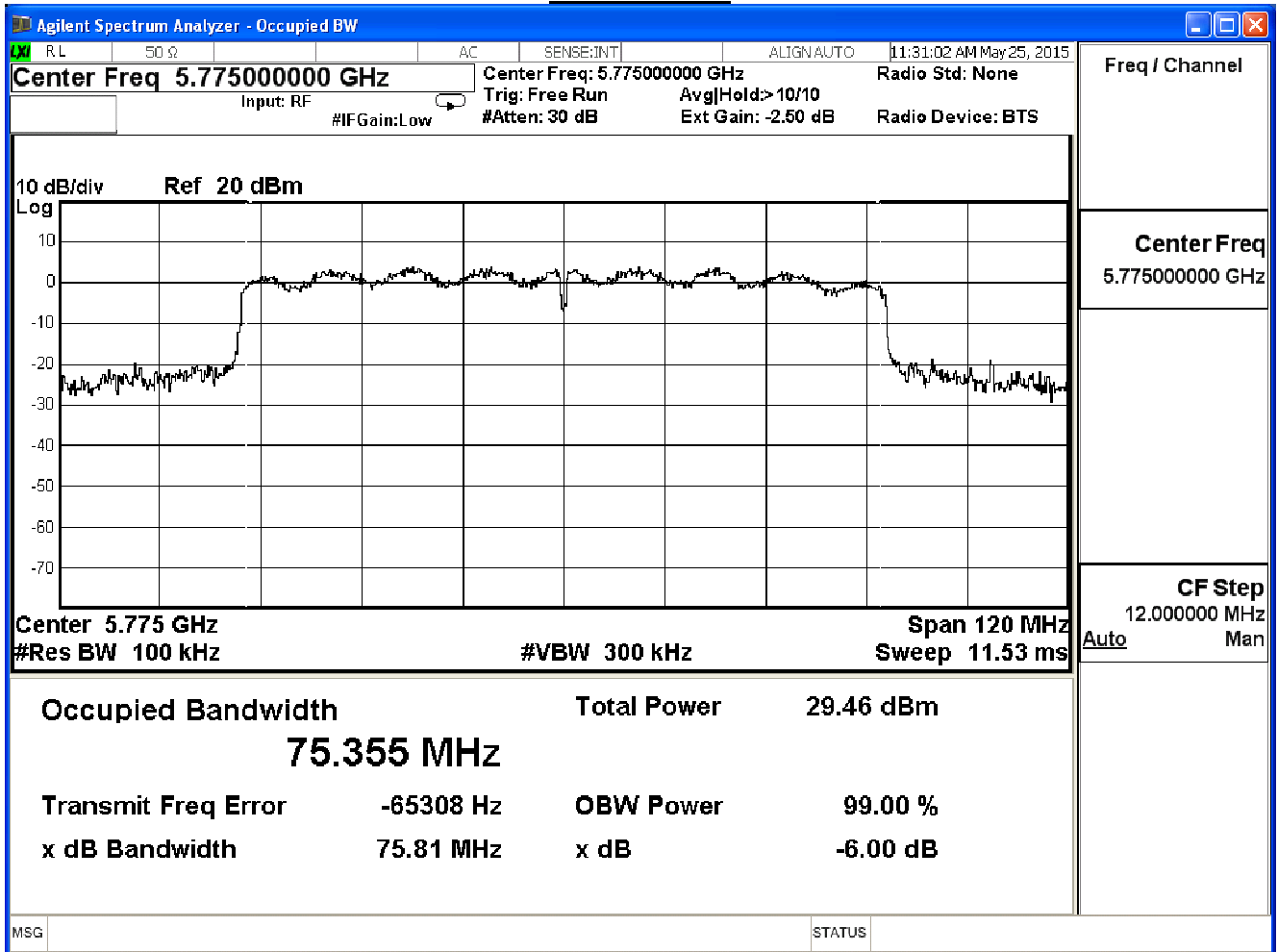


Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	75.81	>0.5	Pass

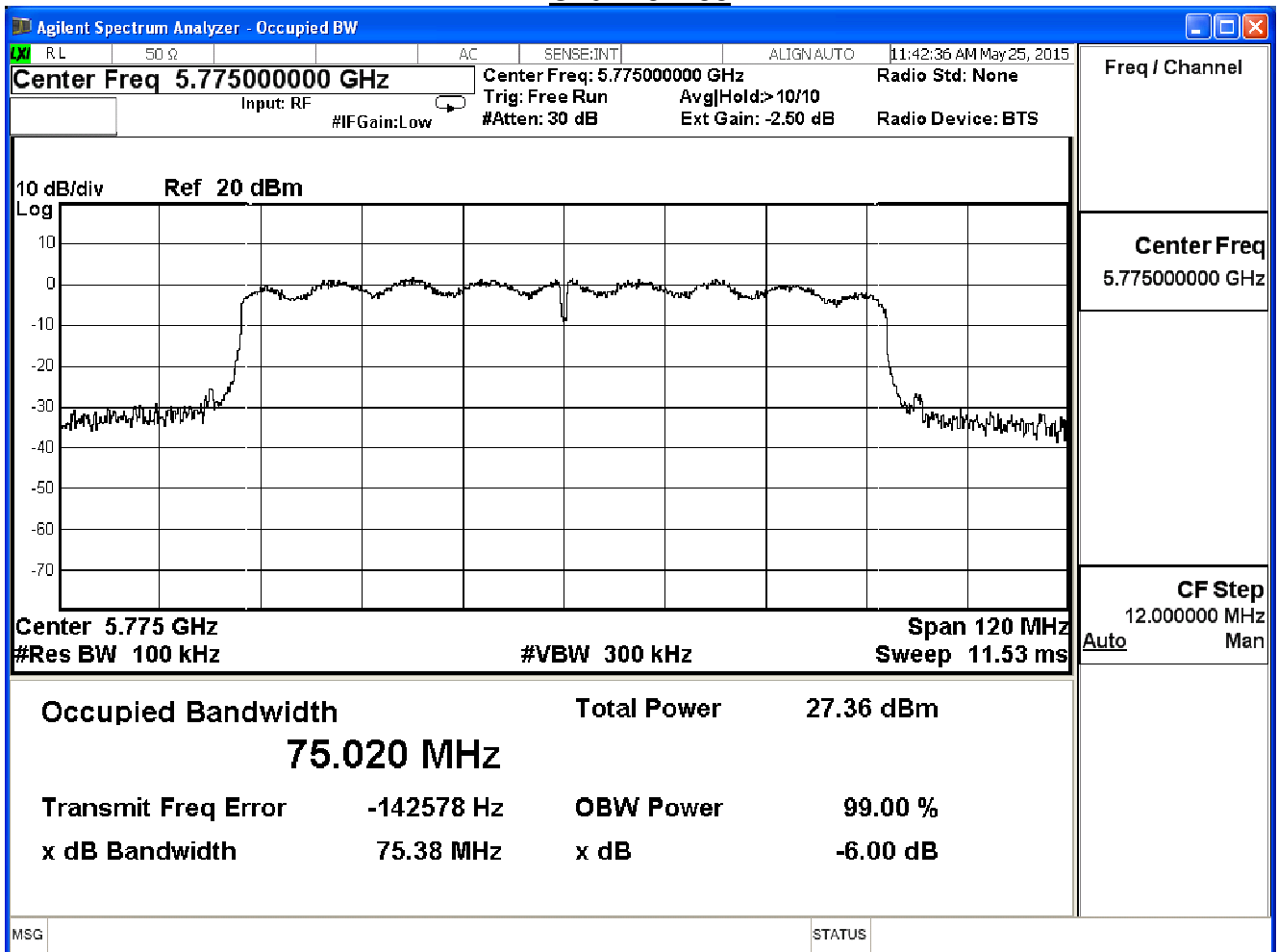
**Channel 155**



Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	75.38	>0.5	Pass

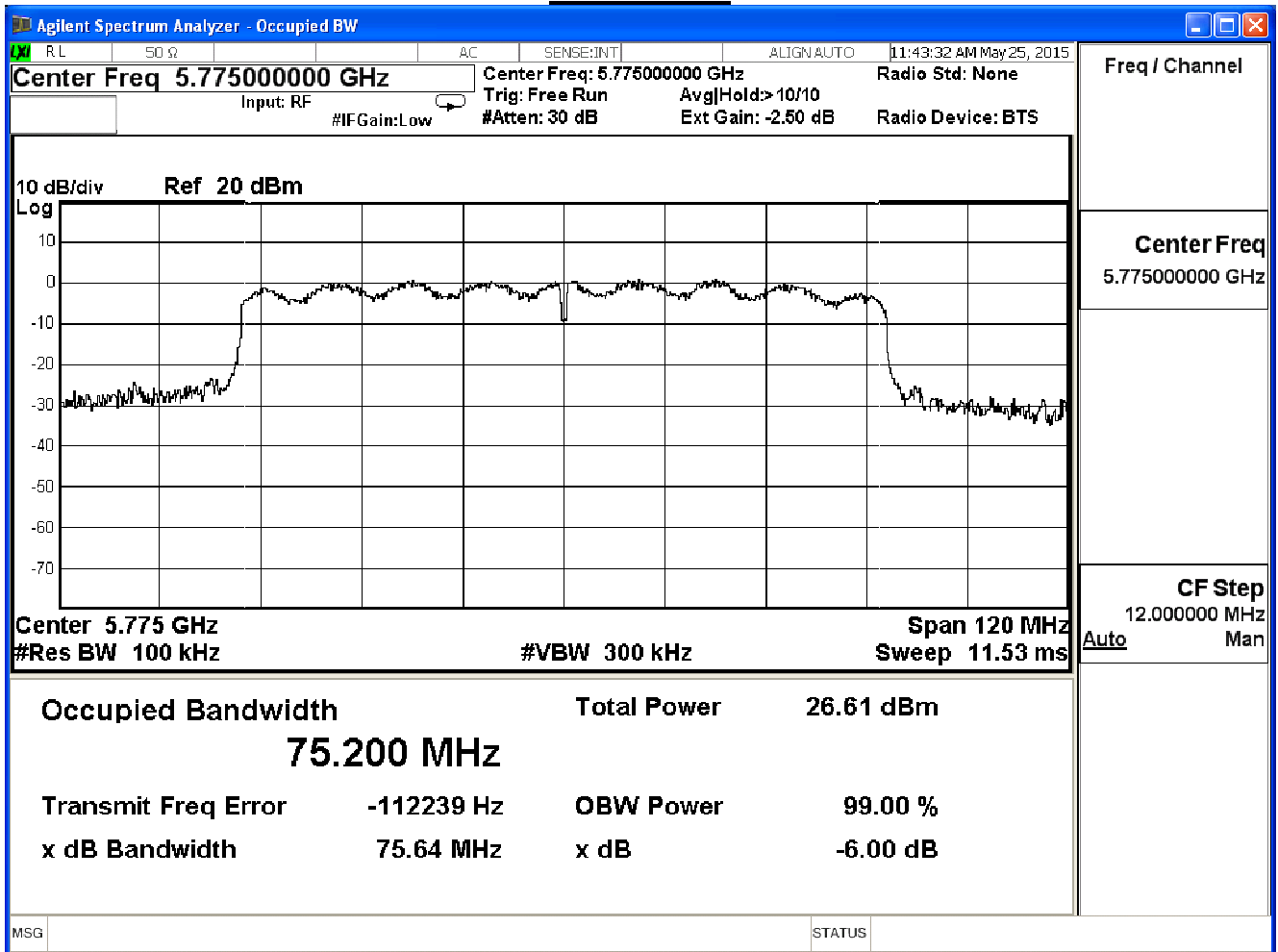
### Channel 155



Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	75.64	>0.5	Pass

**Channel 155**



## 8. Occupied Bandwidth

### 8.1. Test Equipment

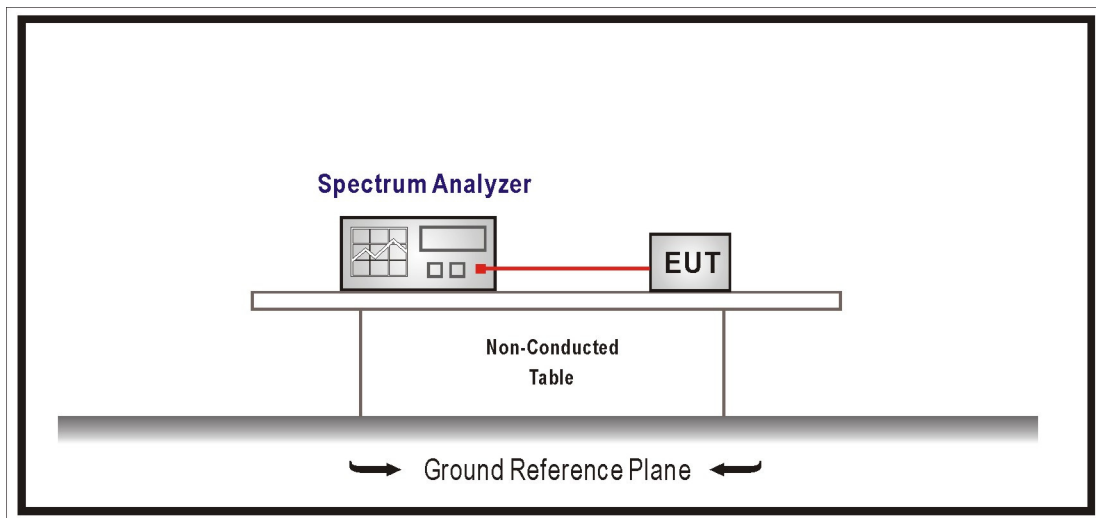
The following test equipments are used during the test:

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  $\geq$  3xRBW, Sweep Time=Auto.

### 8.4. Limits

NA

### 8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2014

### 8.6. Uncertainty

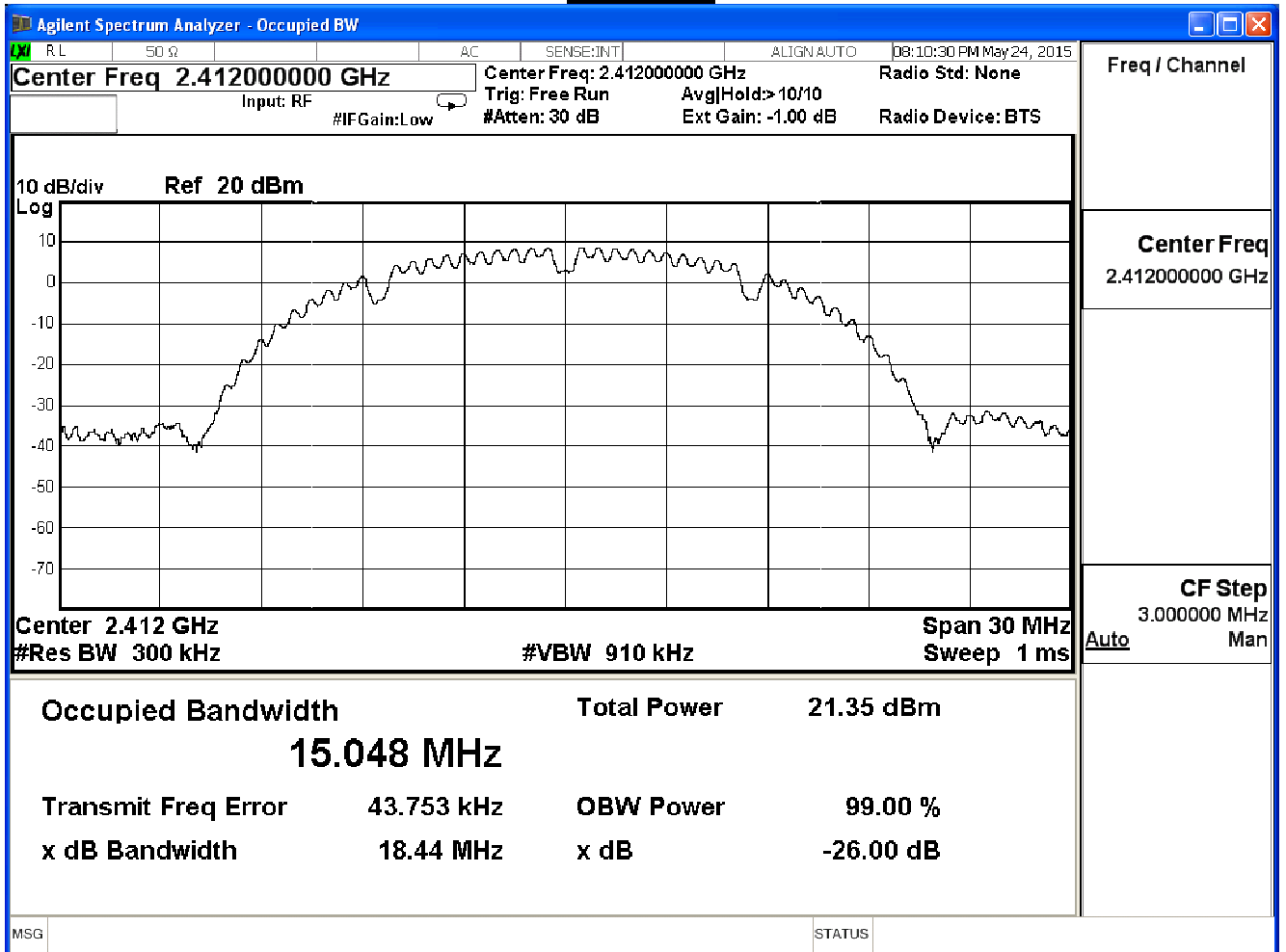
The measurement uncertainty is defined as  $\pm 150\text{Hz}$

**8.7. Test Result**

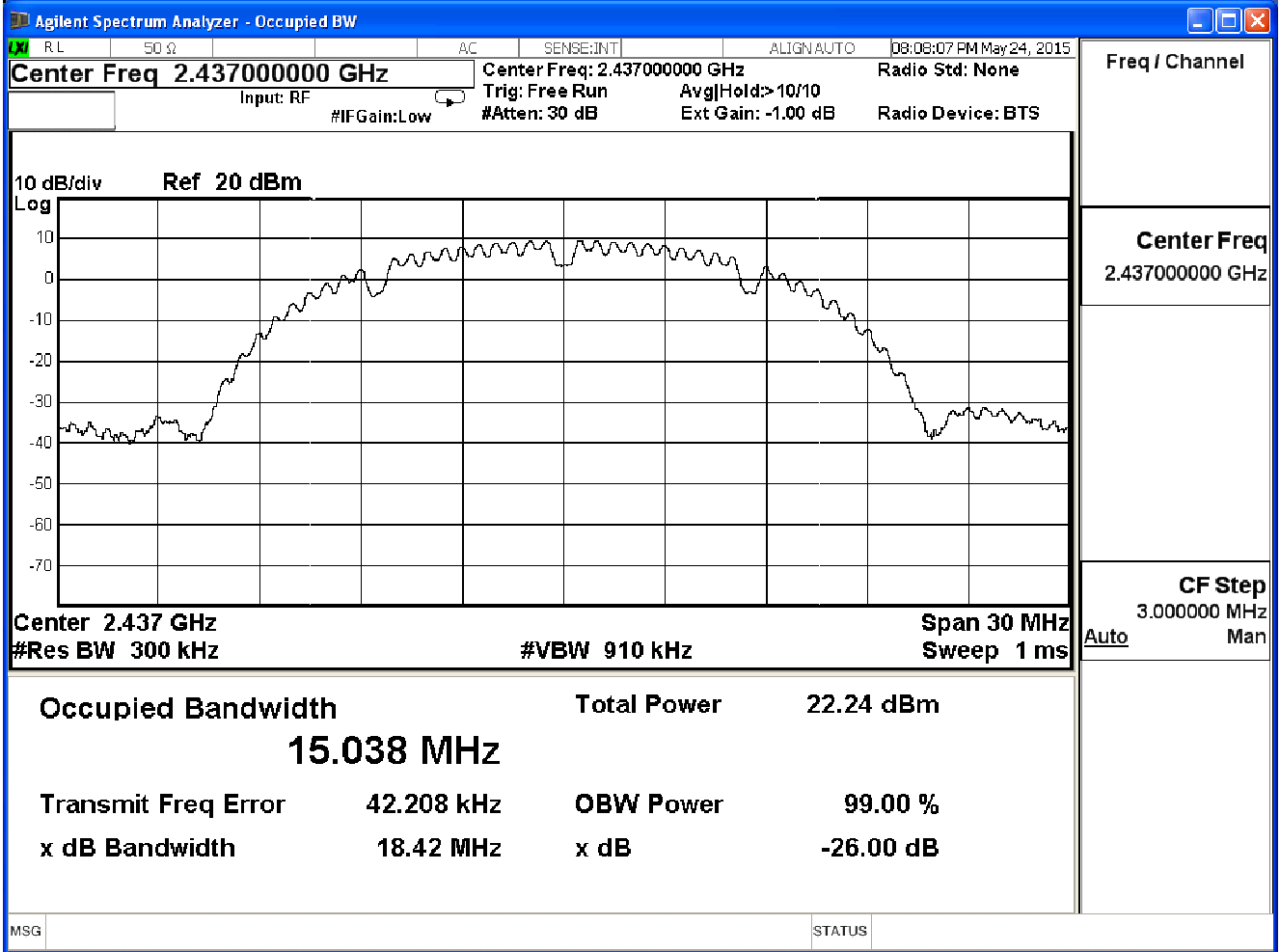
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/24	Test Site	SR7

802.11 b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	15.048	--	Pass
6	2437	15.038	--	Pass
11	2462	15.011	--	Pass

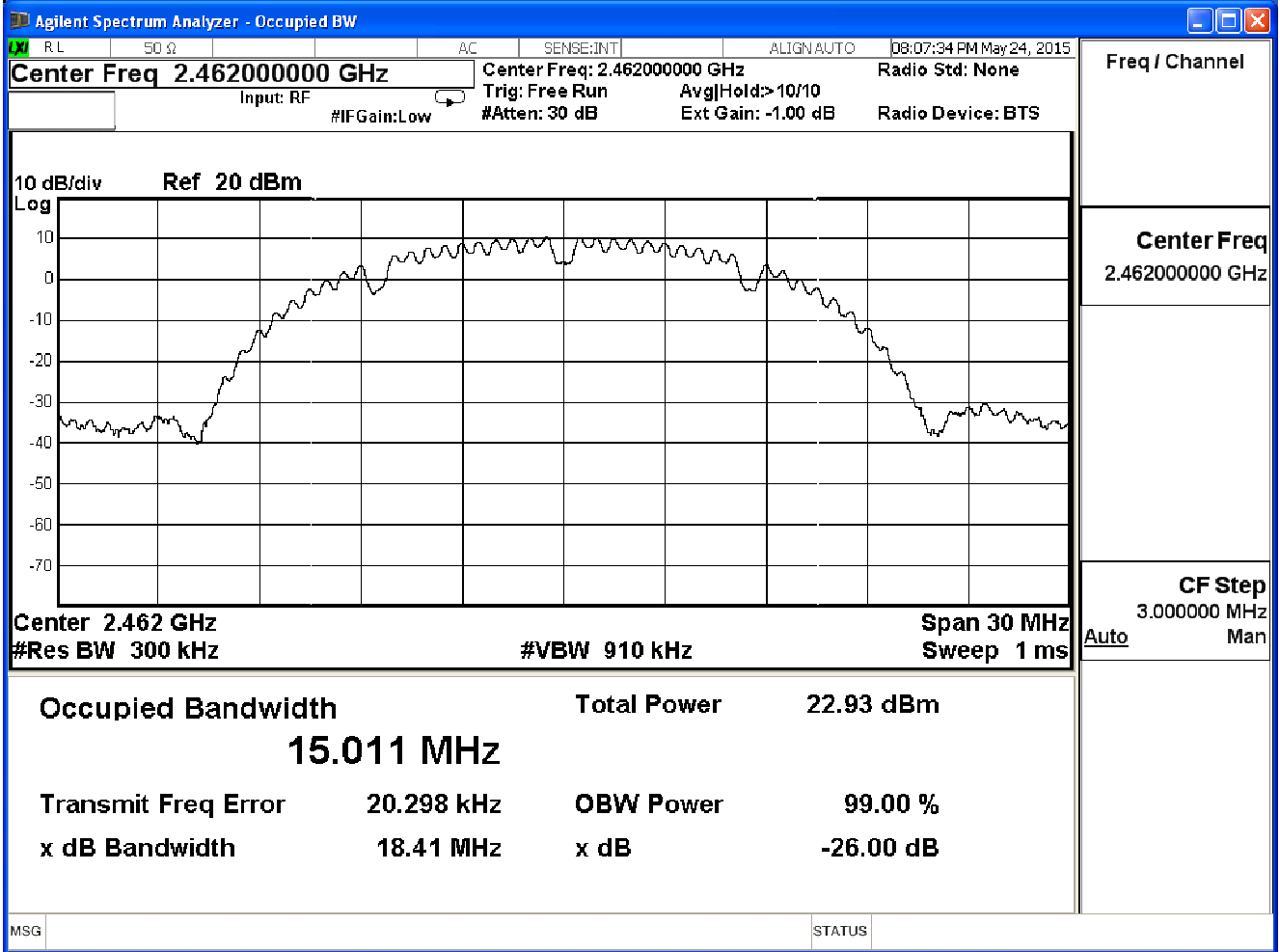
**Channel 1**



### Channel 6



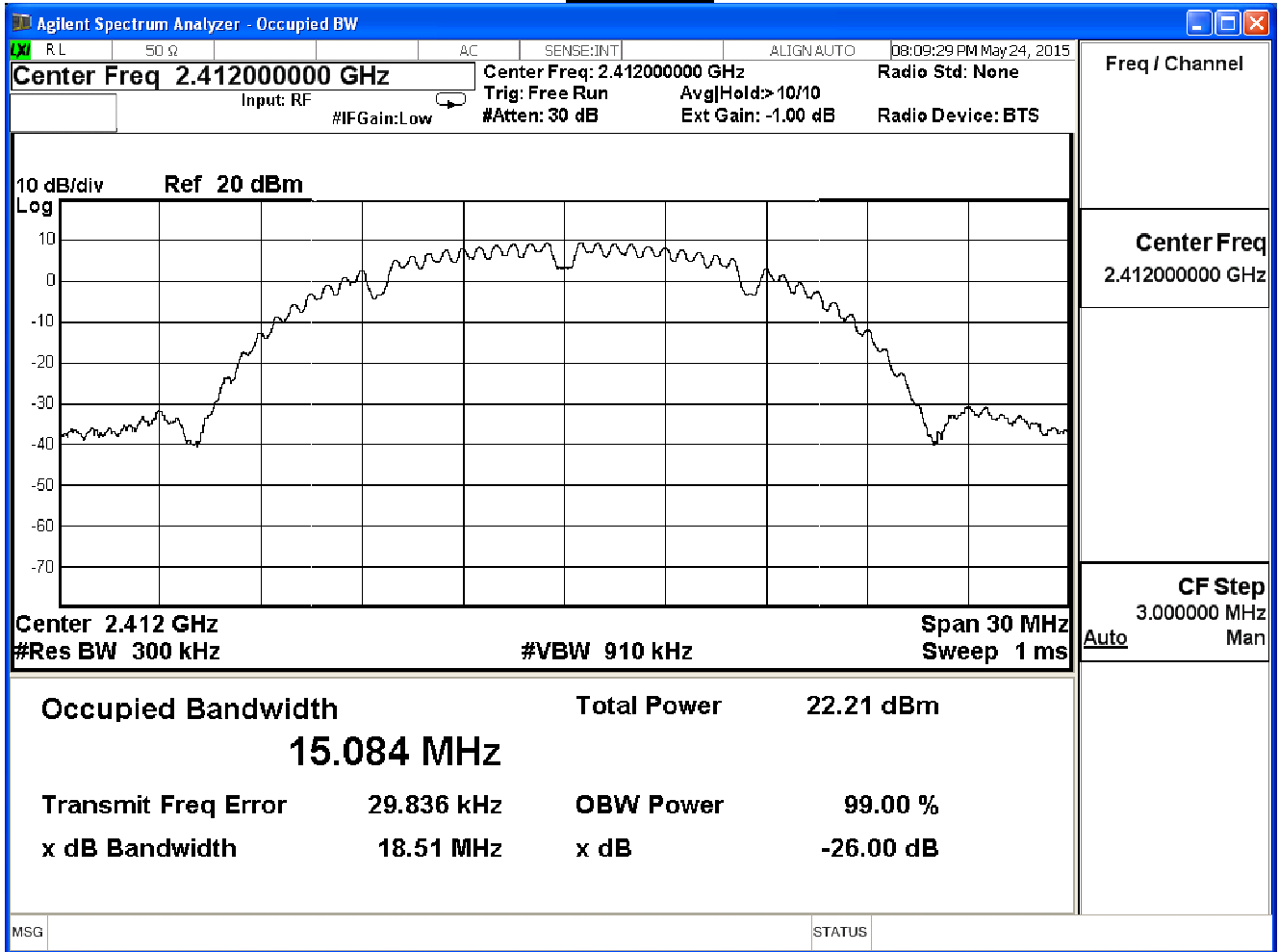
**Channel 11**



Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/24	Test Site	SR7

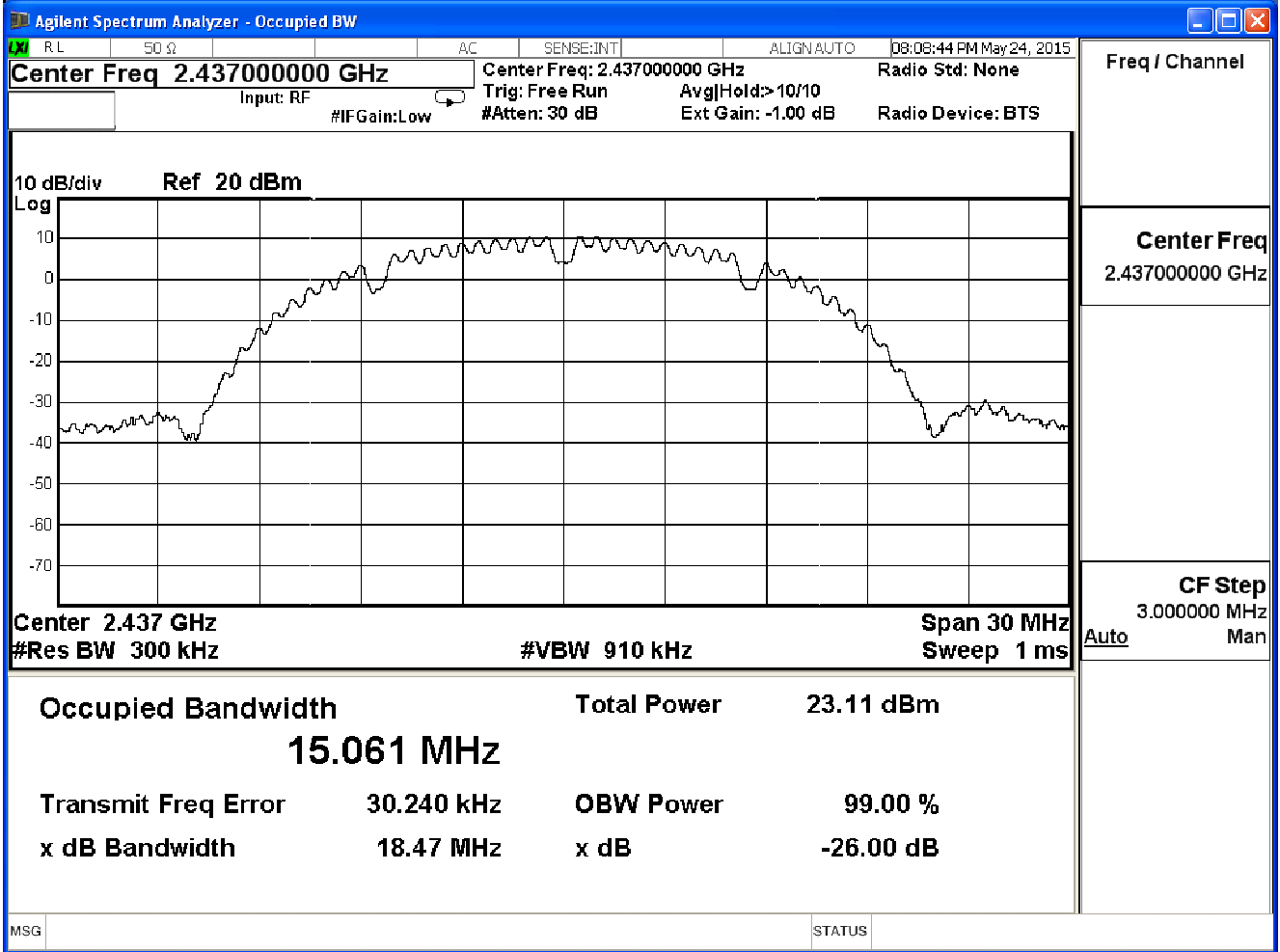
802.11 b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	15.084	--	Pass
6	2437	15.061	--	Pass
11	2462	15.054	--	Pass

**Channel 1**

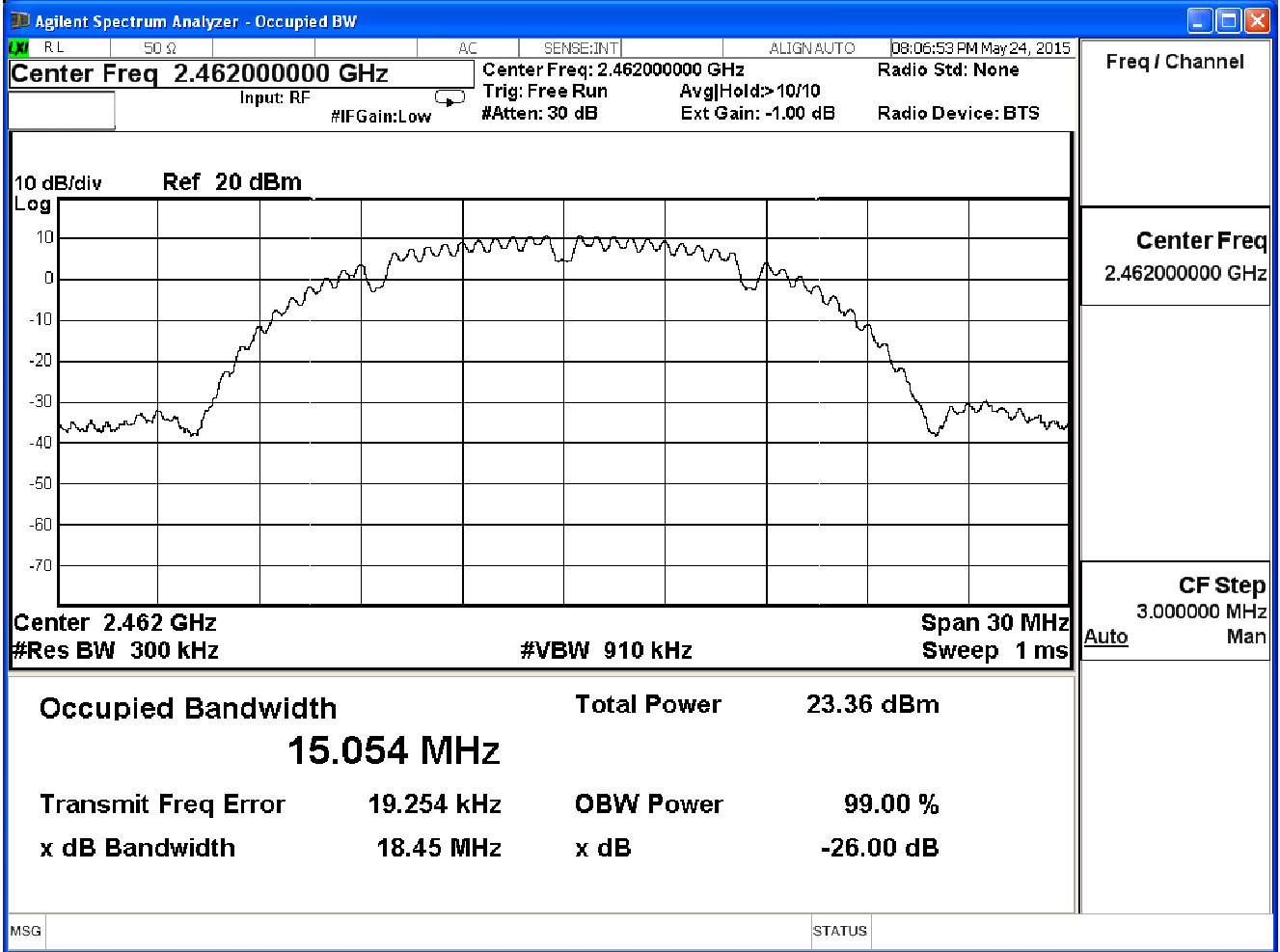




### Channel 6



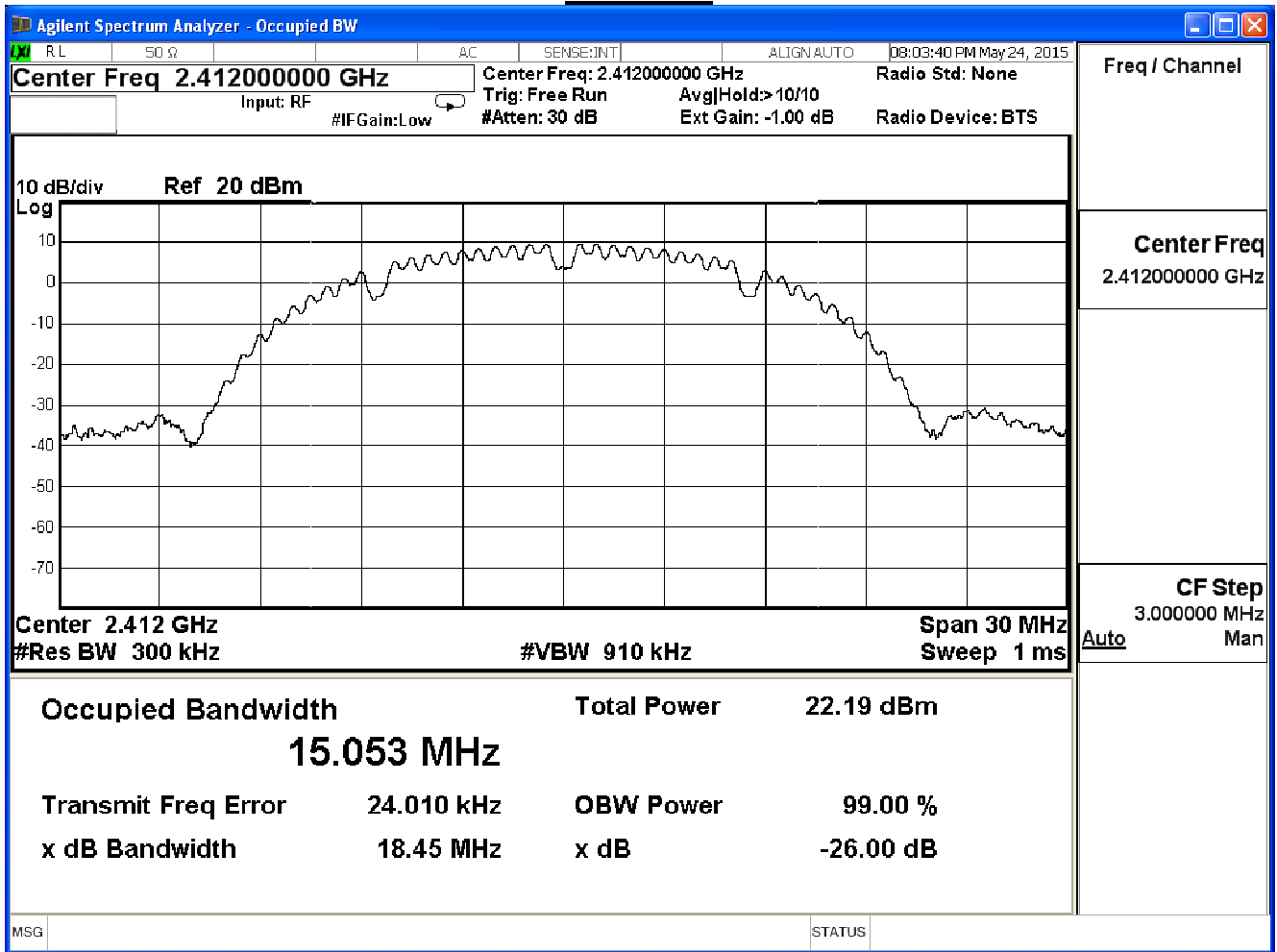
**Channel 11**



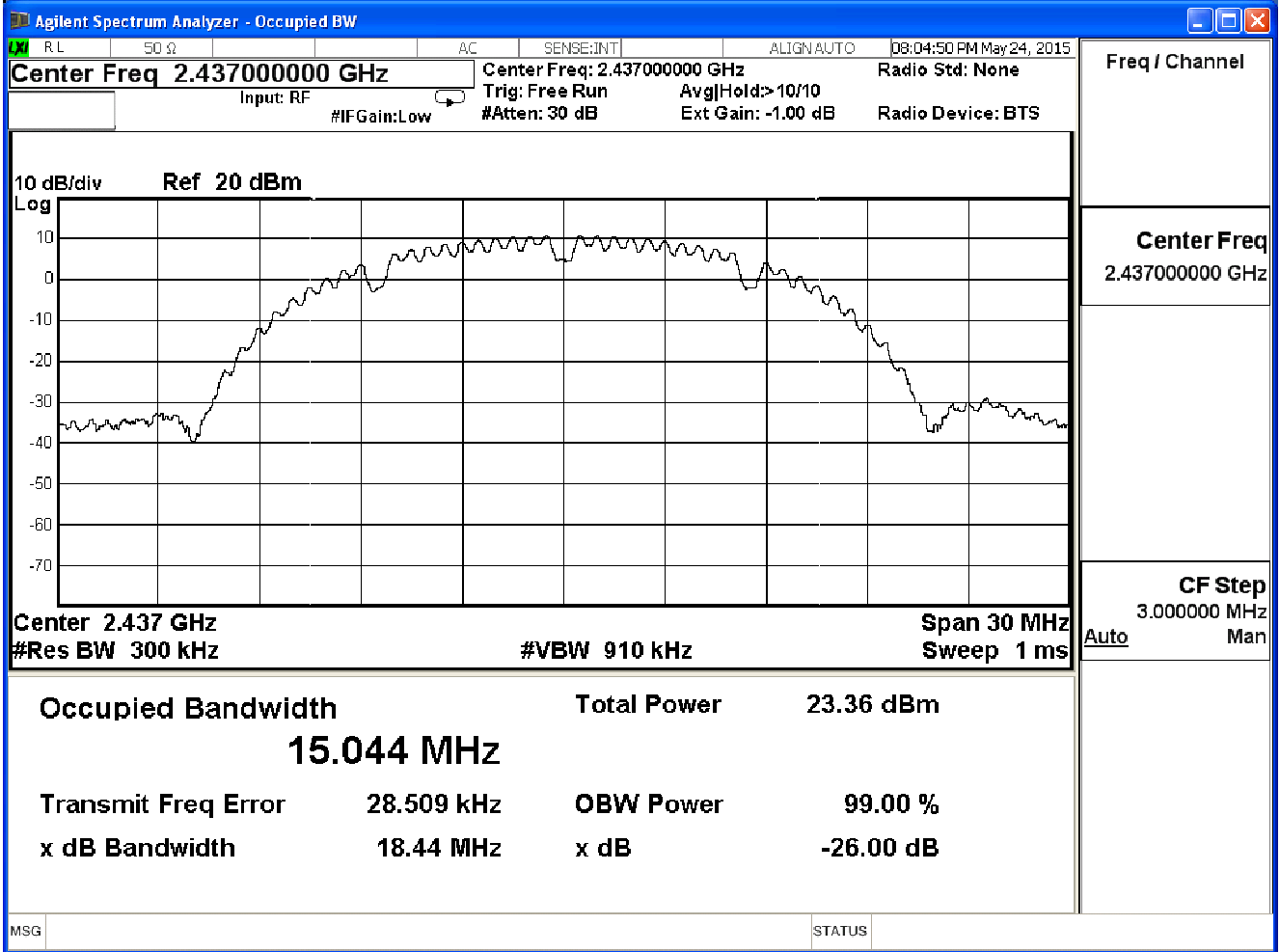
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/24	Test Site	SR7

802.11 b (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	15.053	--	Pass
6	2437	15.044	--	Pass
11	2462	15.041	--	Pass

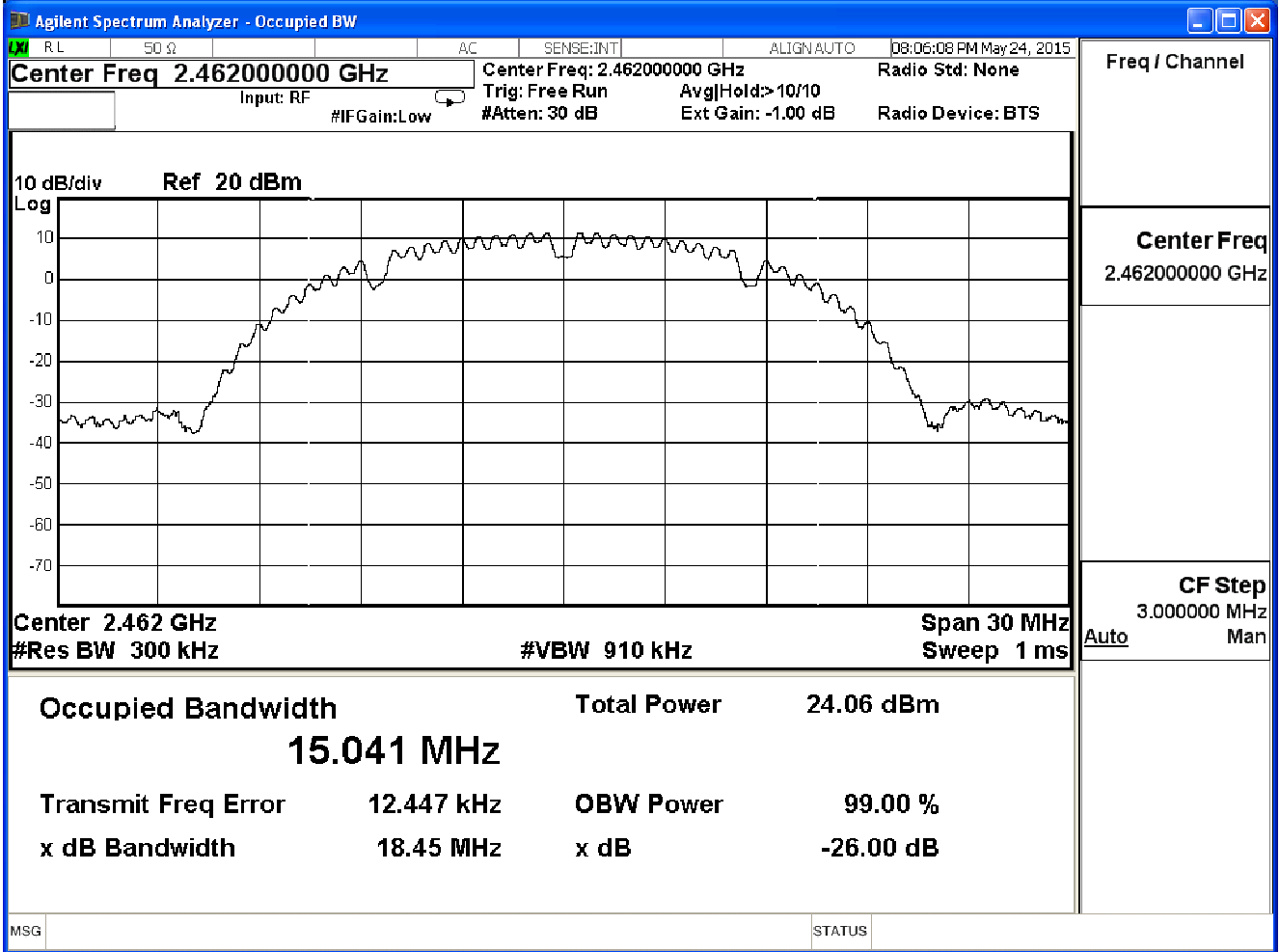
**Channel 1**



### Channel 6



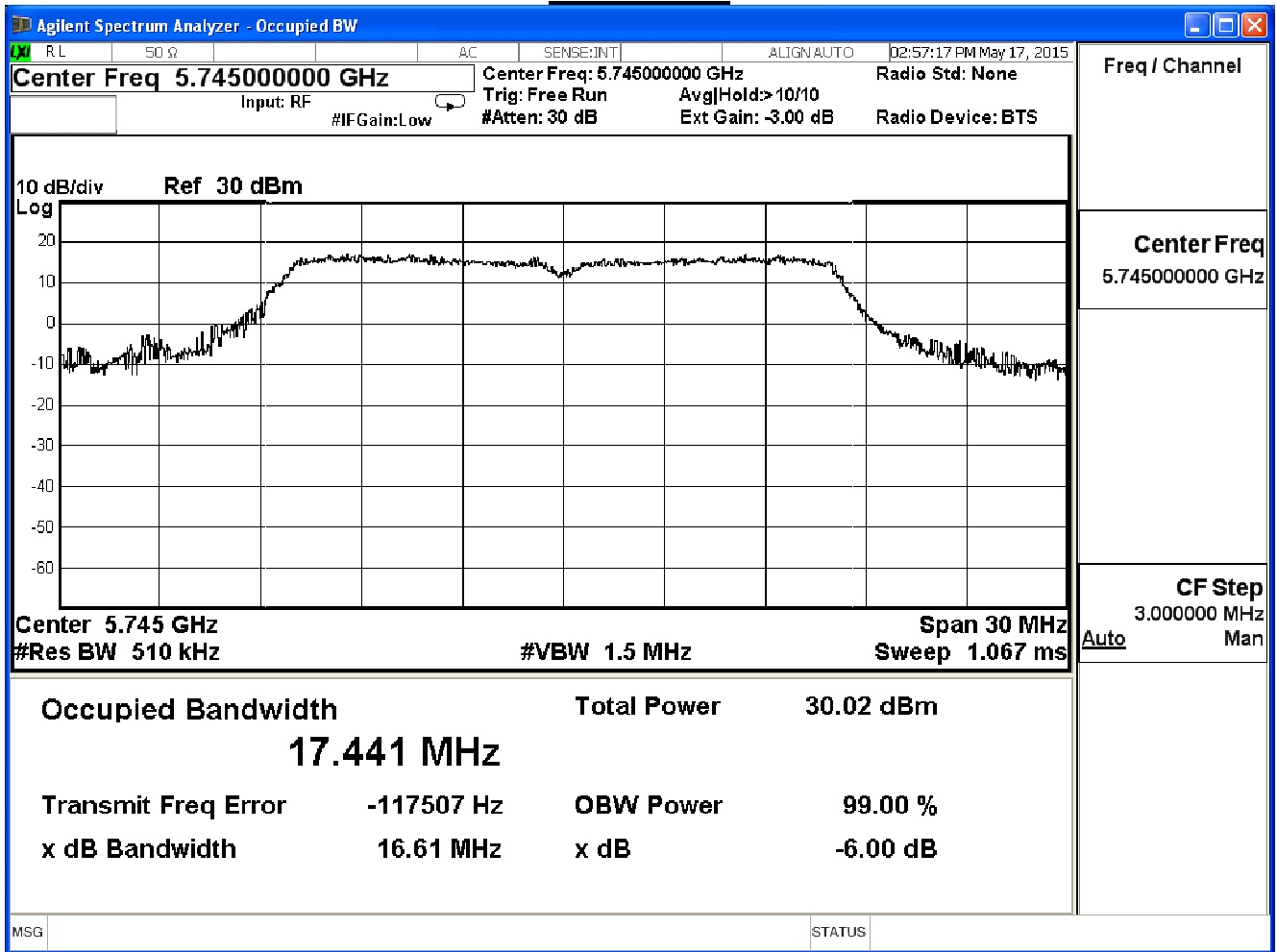
**Channel 11**



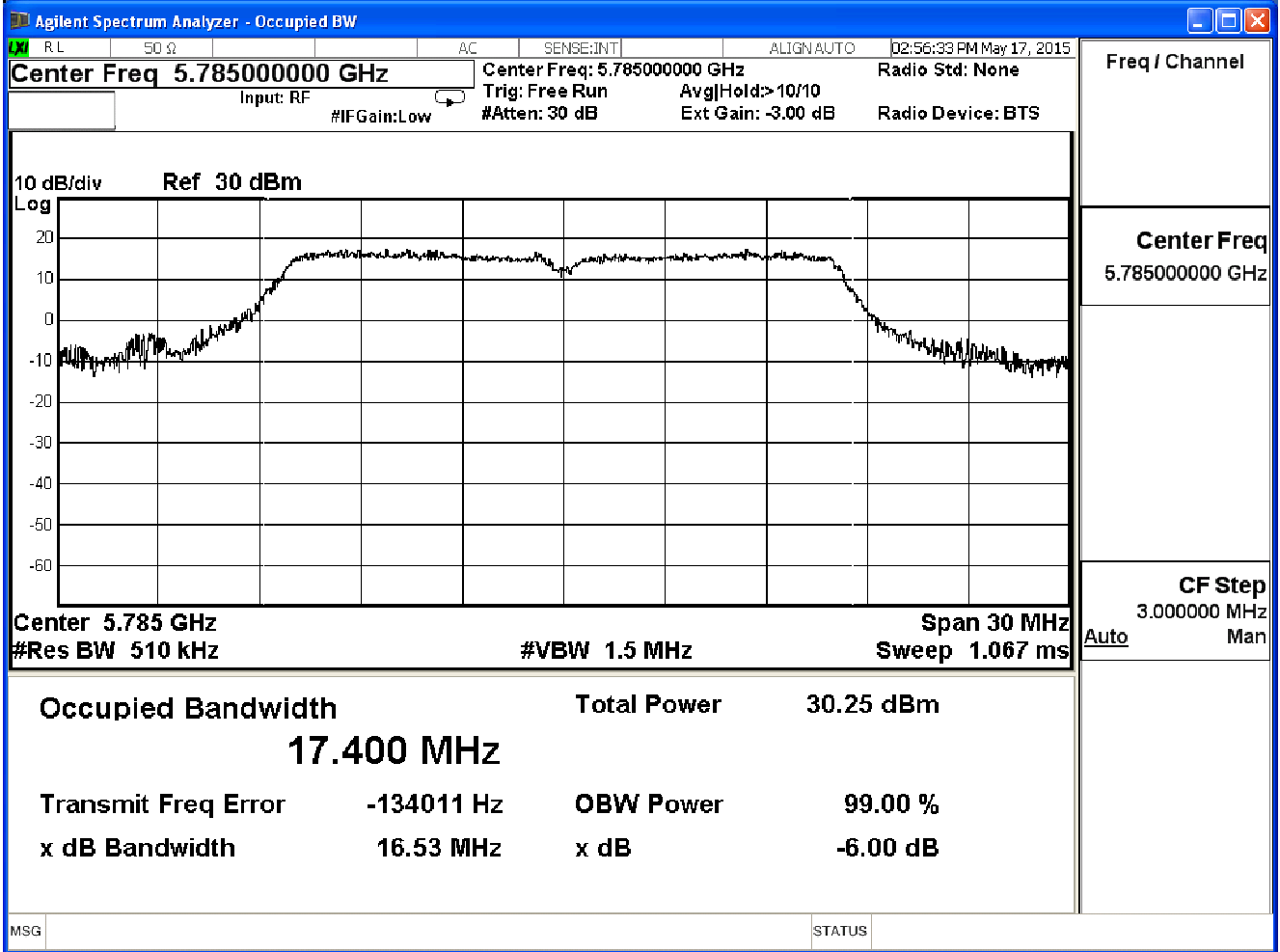
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

802.11 a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	17.441	--	Pass
157	5785	17.400	--	Pass
165	5825	17.472	--	Pass

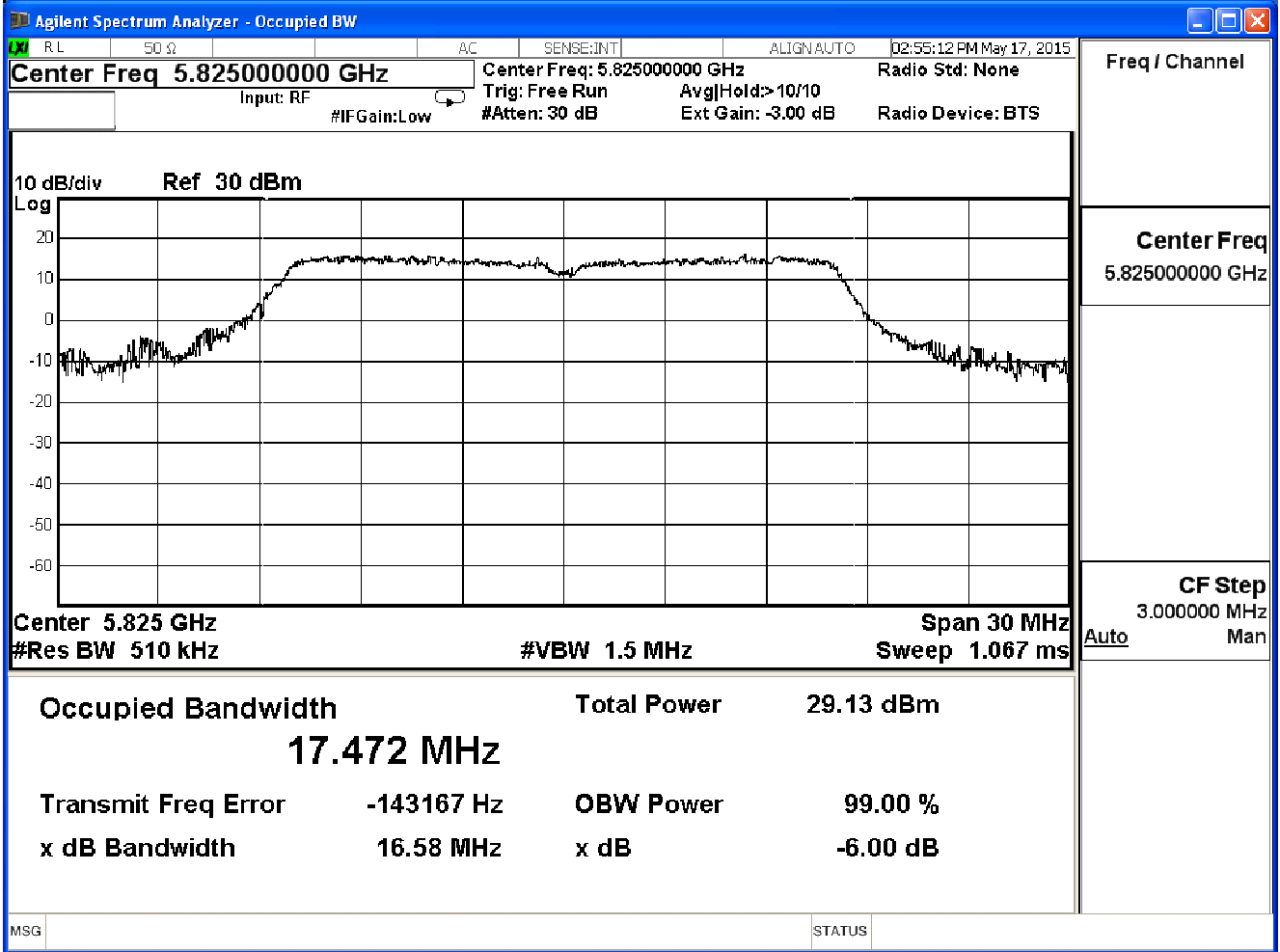
**Channel 149**



### Channel 157



### Channel 165

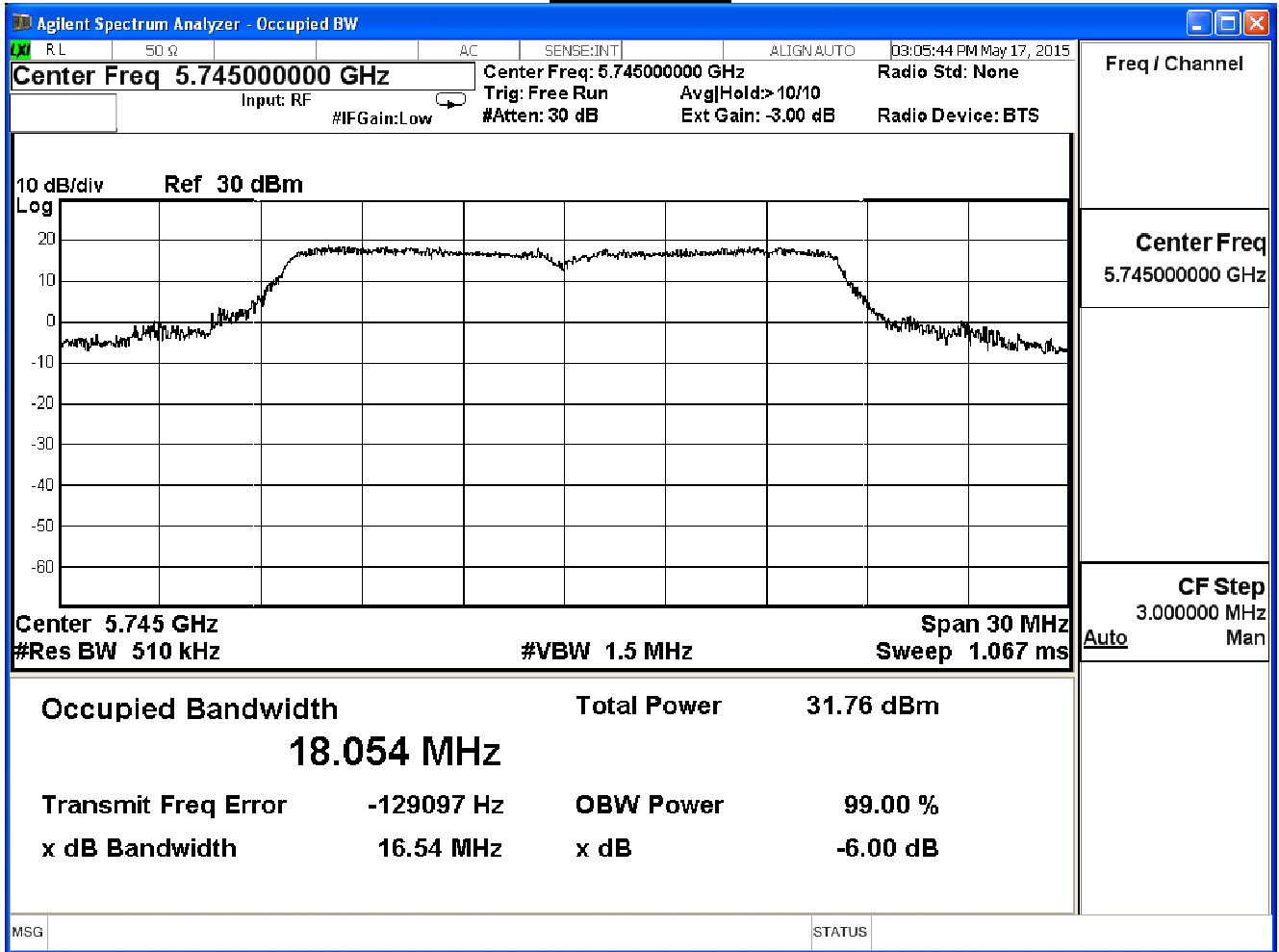




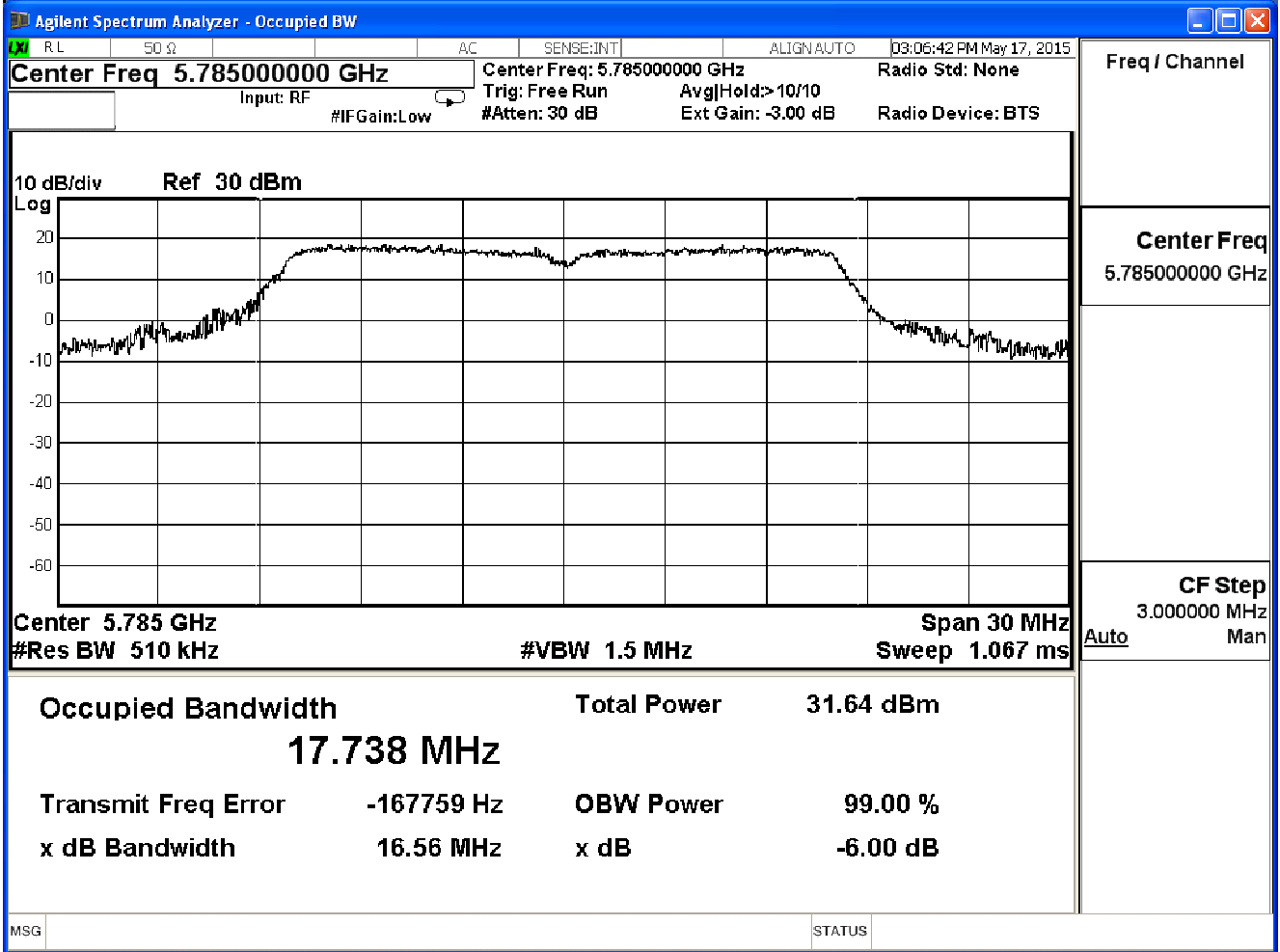
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	18.054	--	Pass
157	5785	17.738	--	Pass
165	5825	17.700	--	Pass

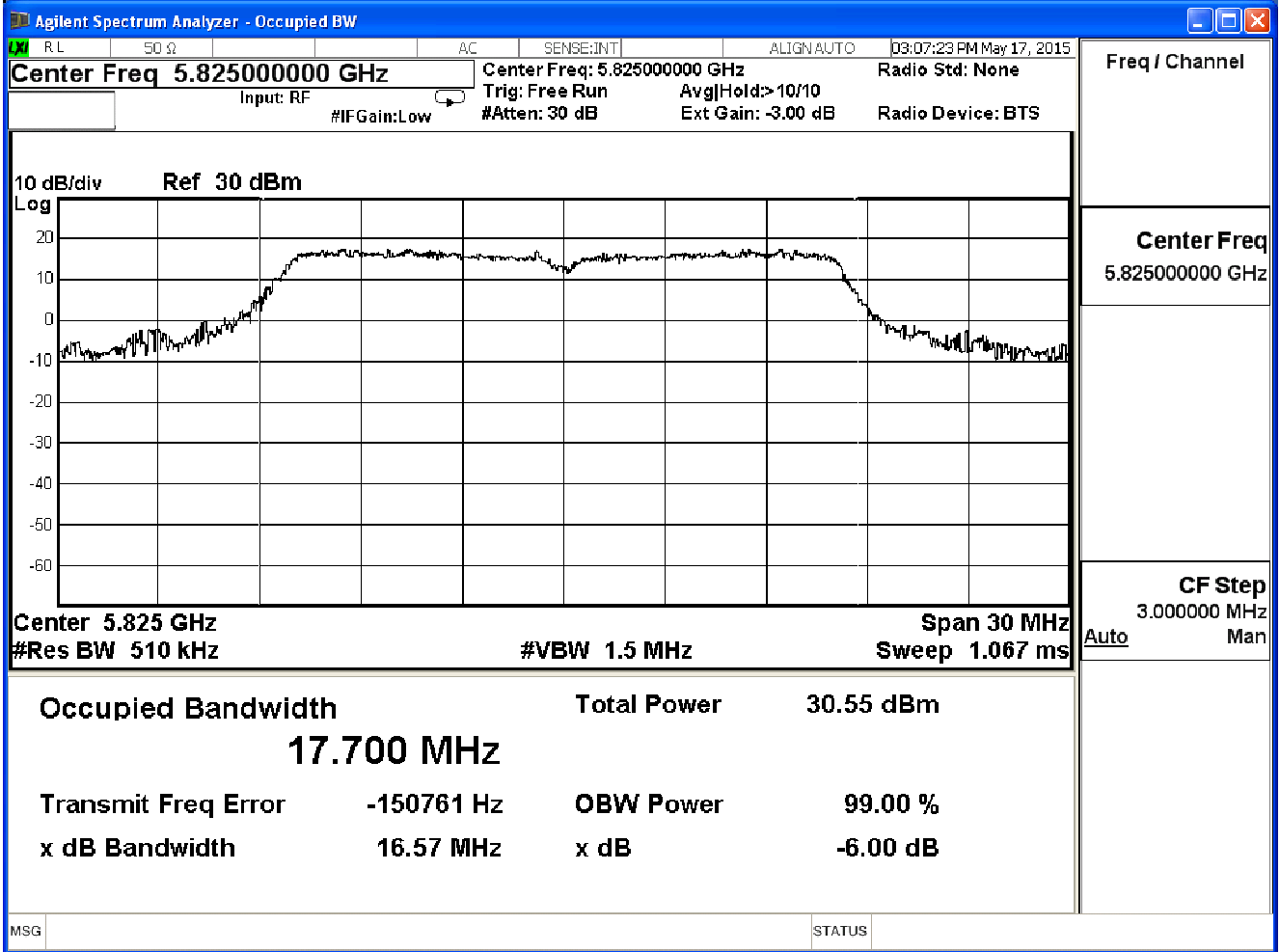
**Channel 149**



### Channel 157



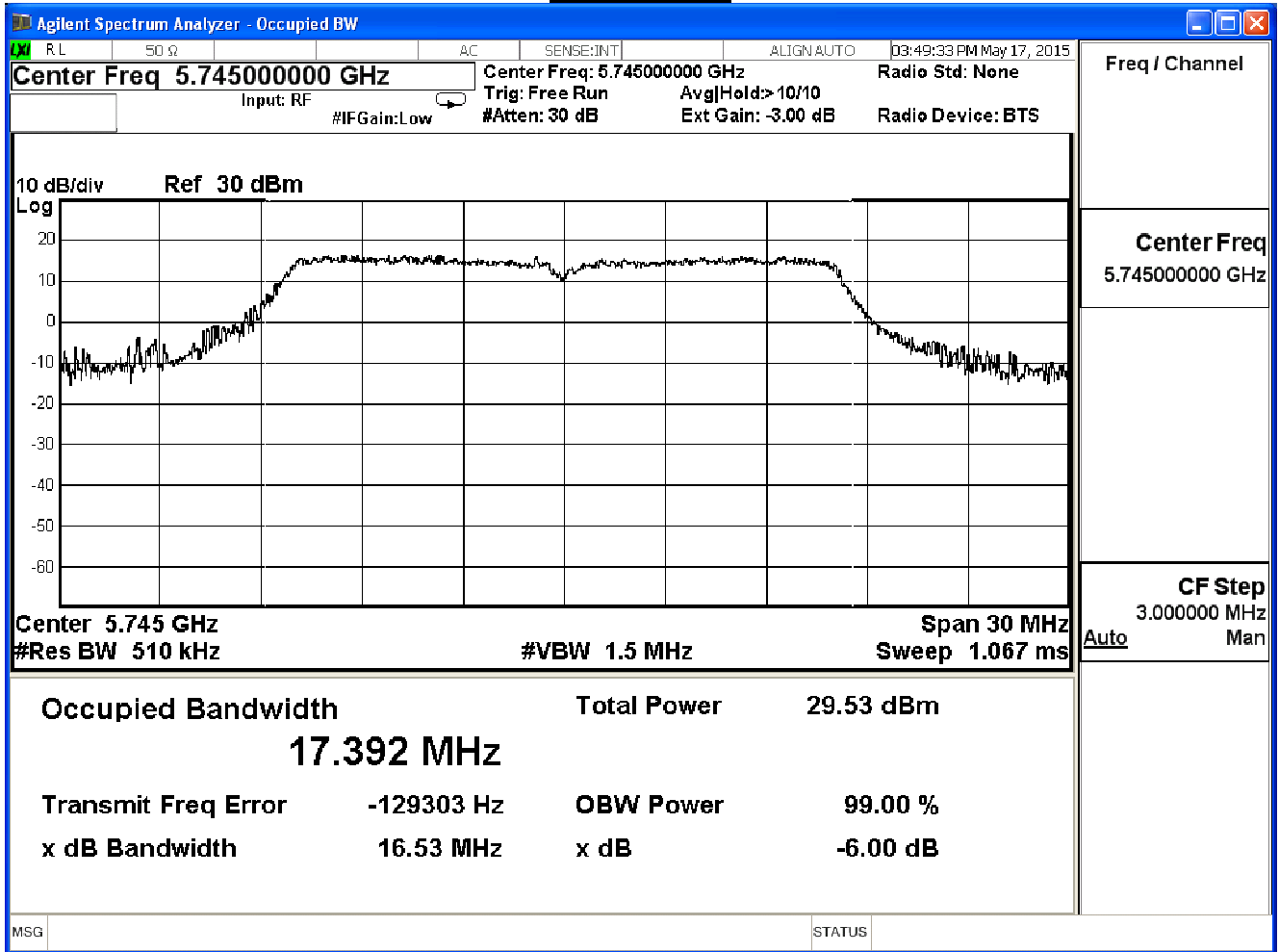
### Channel 165



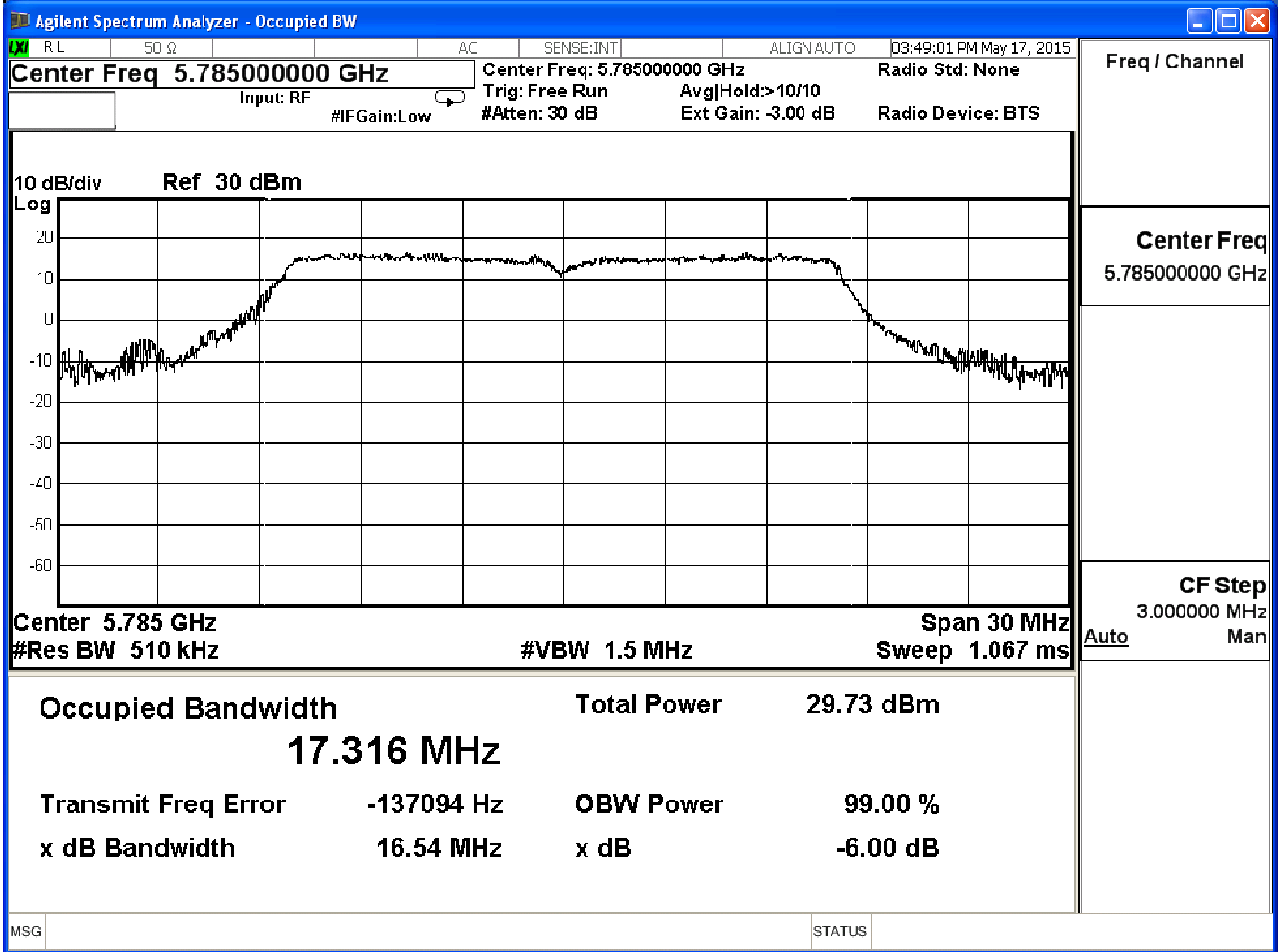
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

802.11 a (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	17.392	--	Pass
157	5785	17.316	--	Pass
165	5825	17.230	--	Pass

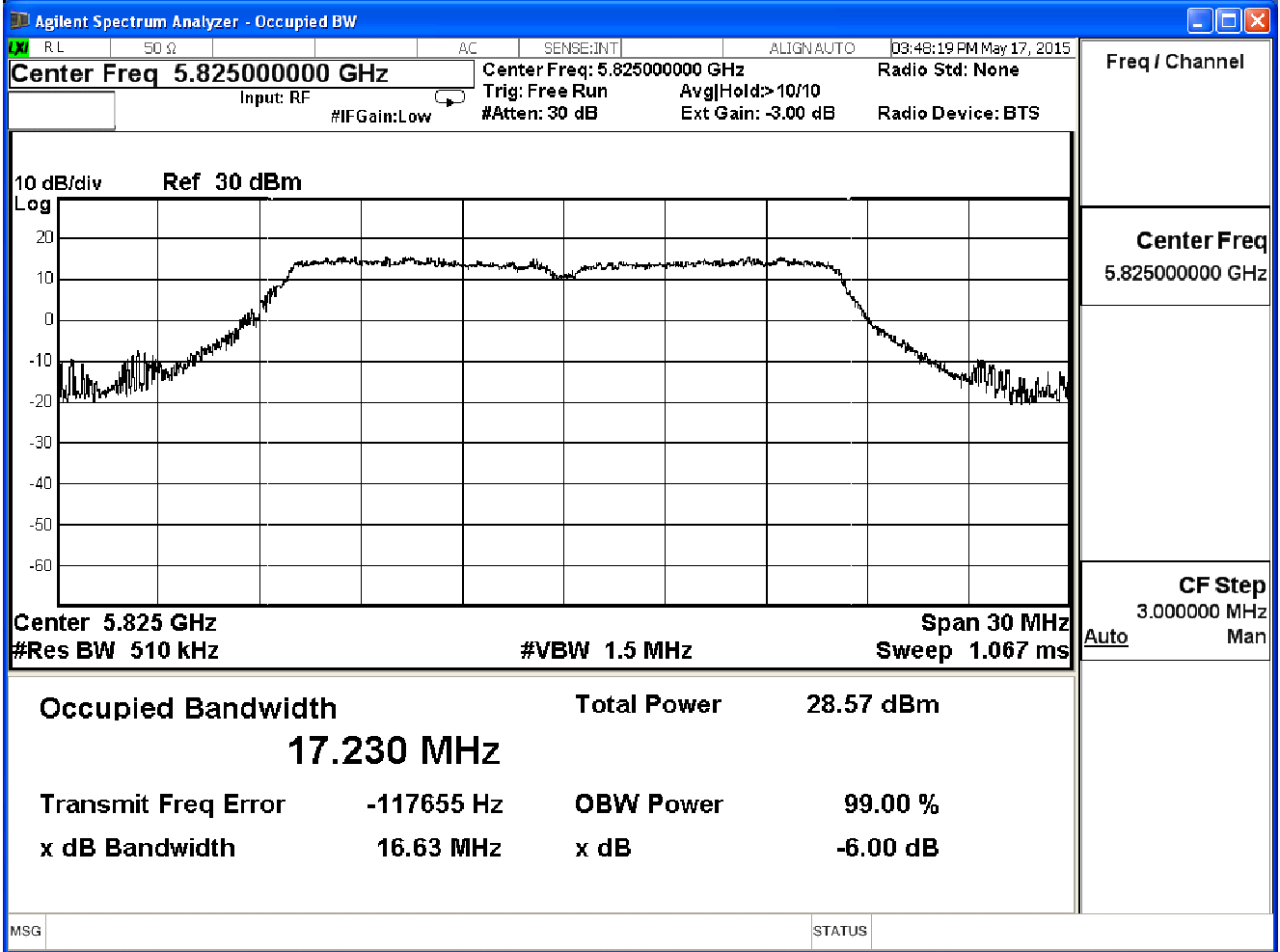
**Channel 149**



### Channel 157



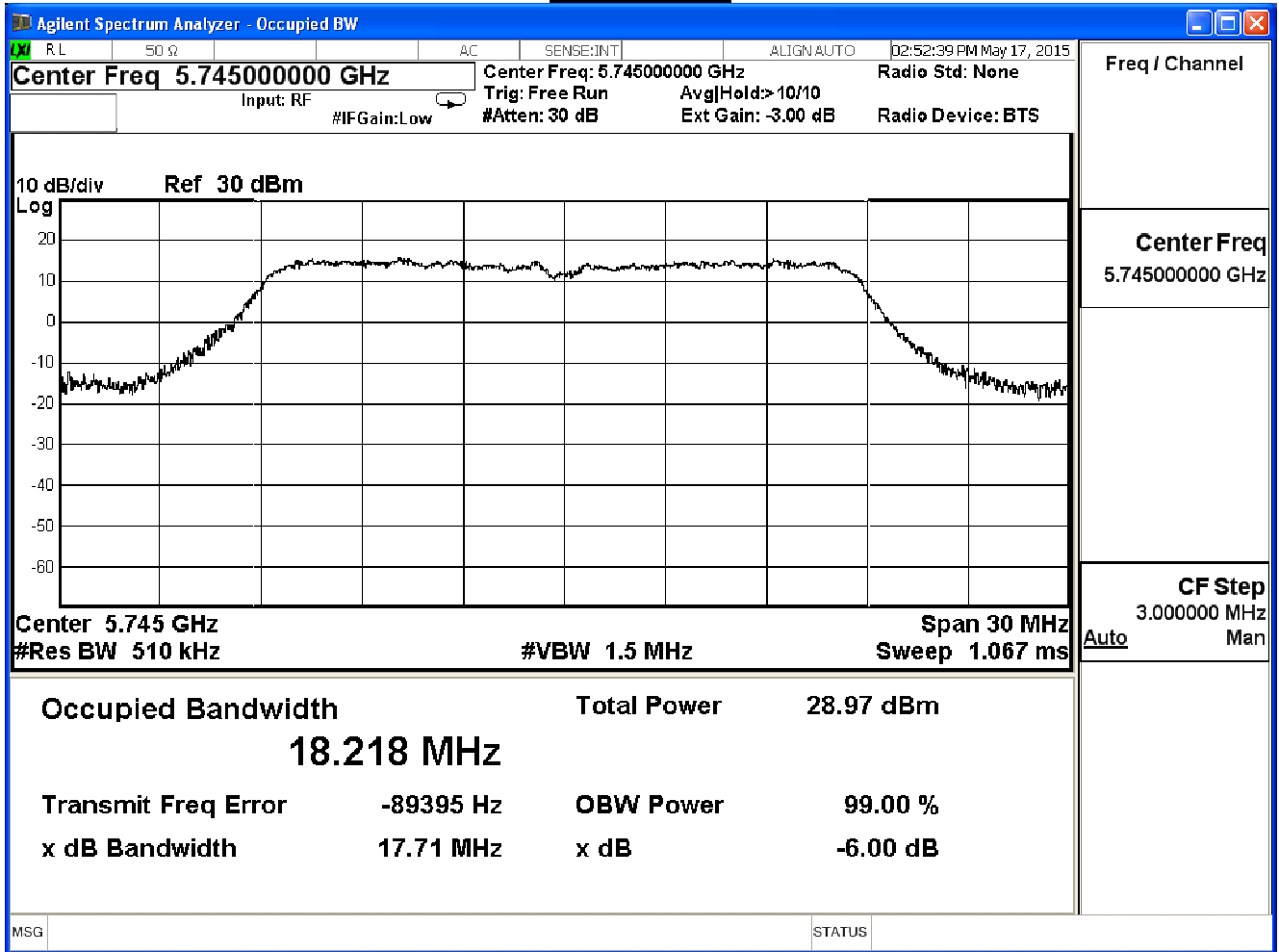
### Channel 165



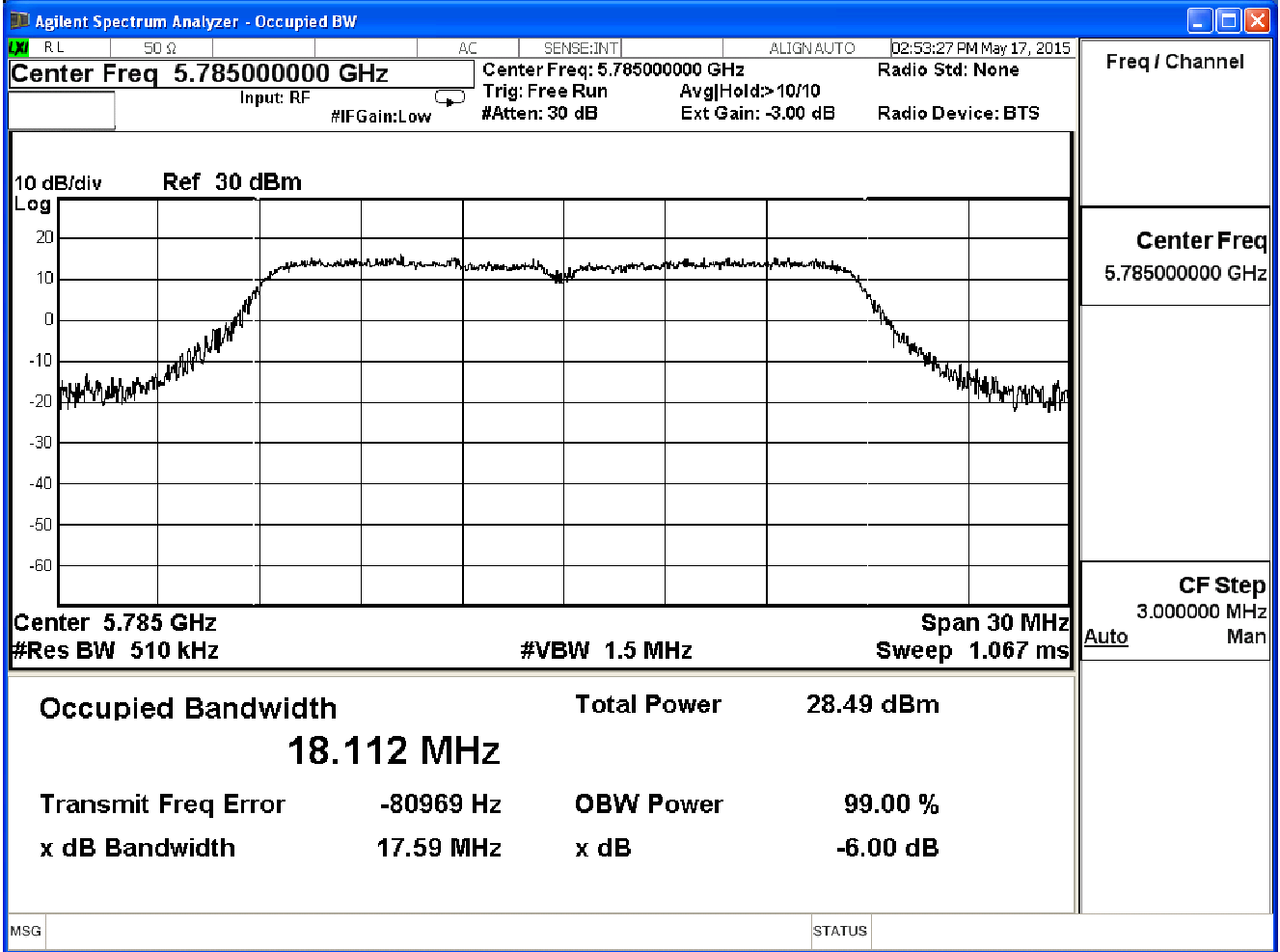
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	18.218	--	Pass
157	5785	18.112	--	Pass
165	5825	18.136	--	Pass

**Channel 149**

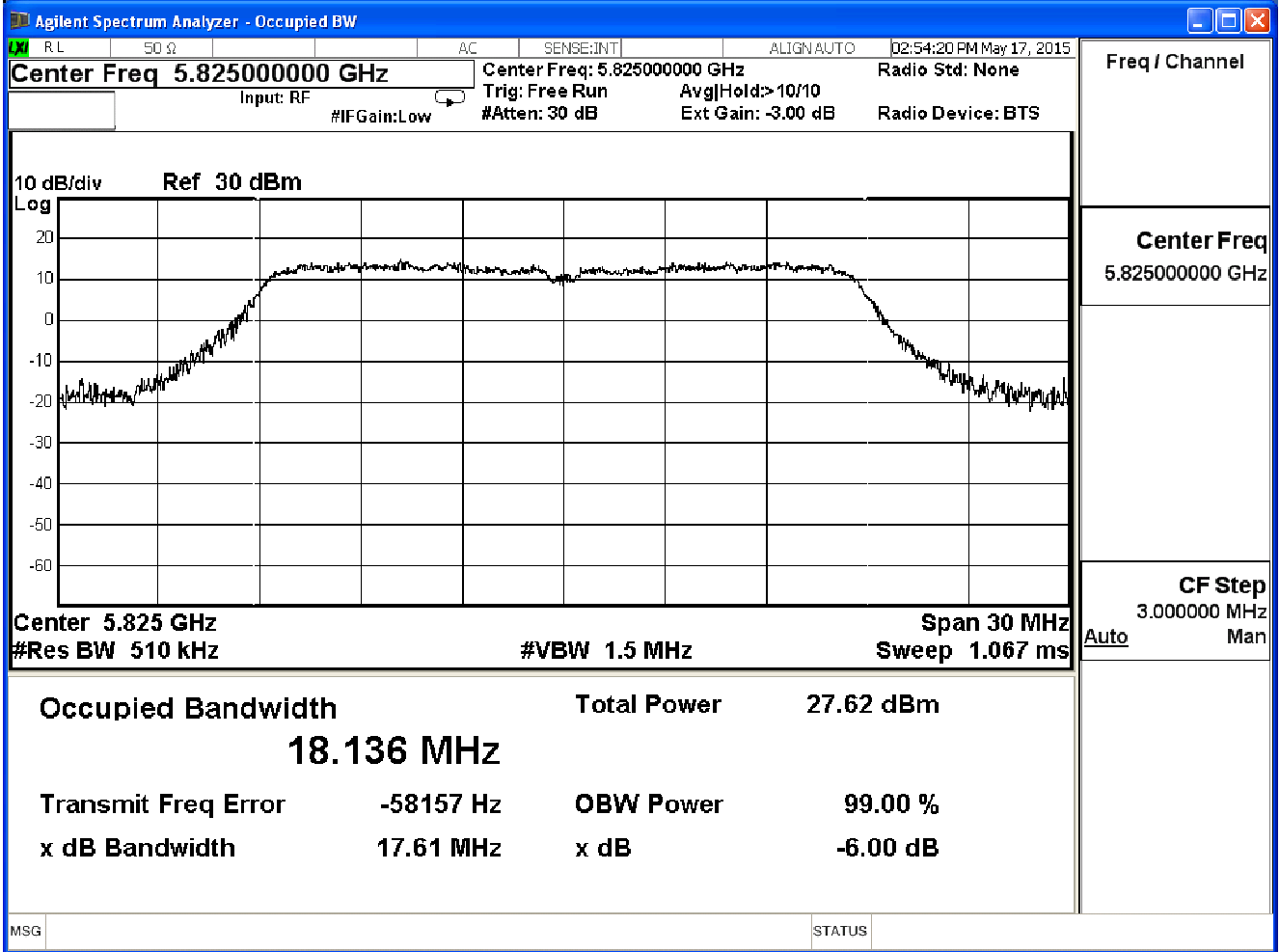


### Channel 157





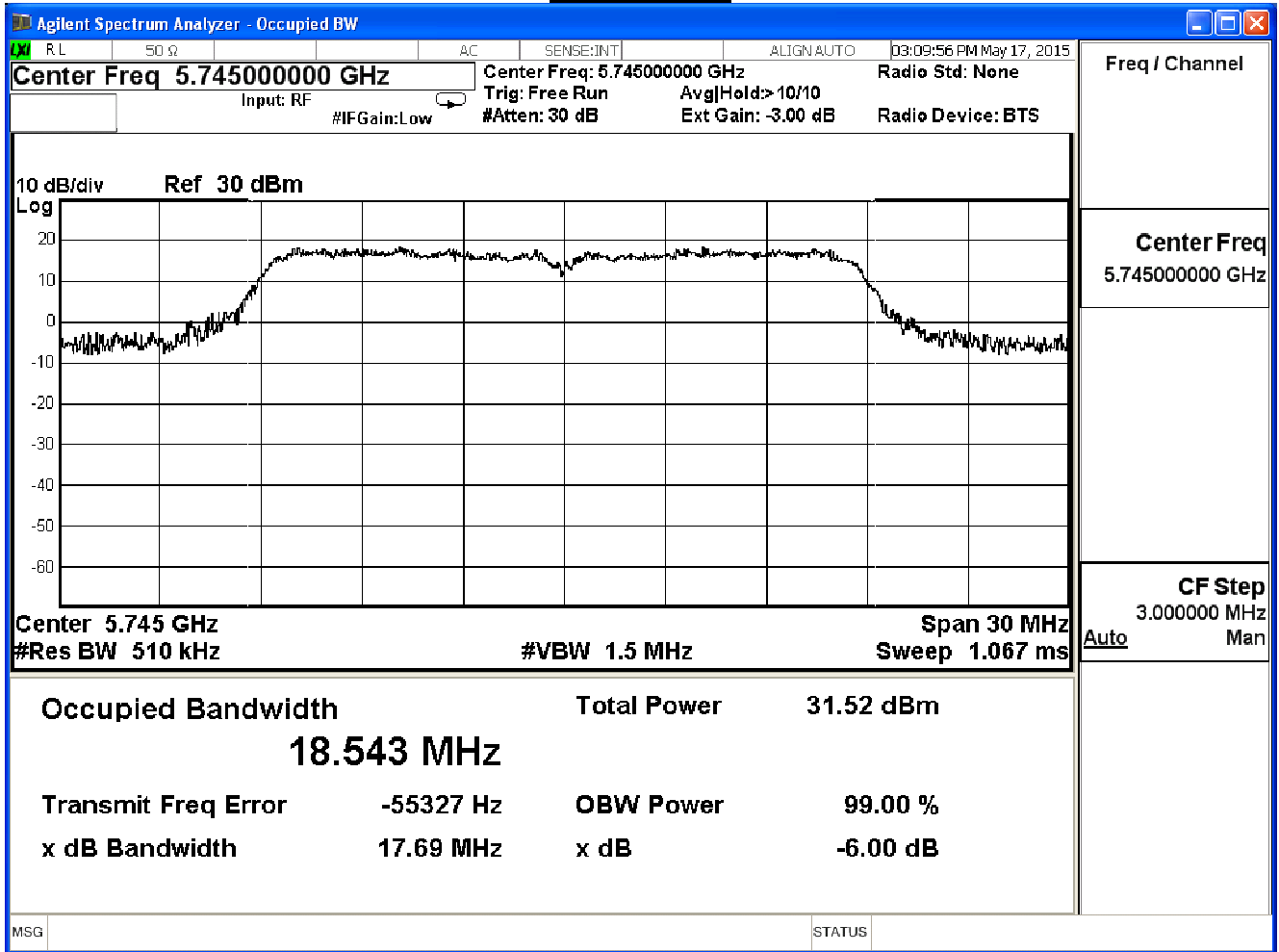
### Channel 165



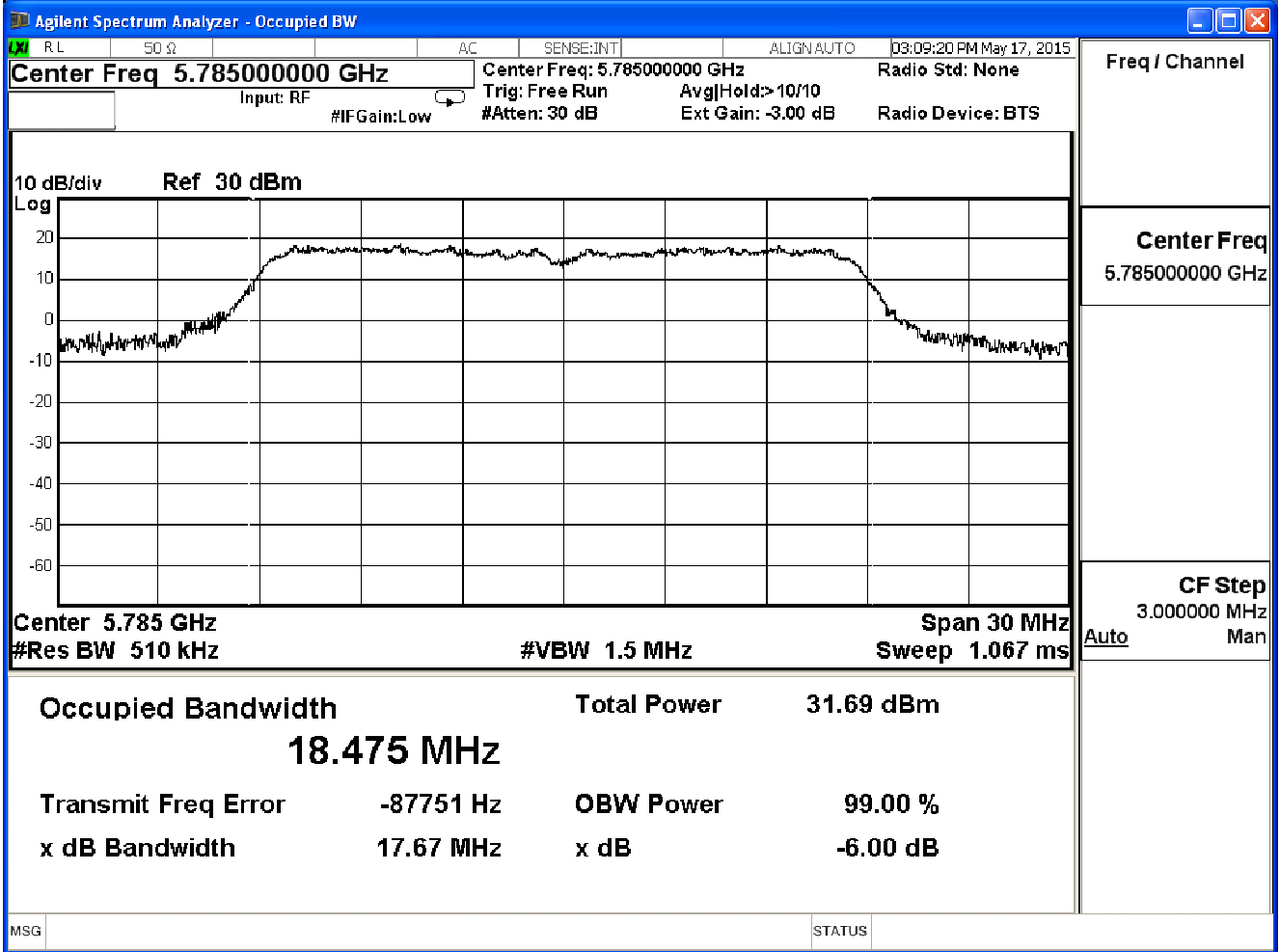
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	18.543	--	Pass
157	5785	18.475	--	Pass
165	5825	18.460	--	Pass

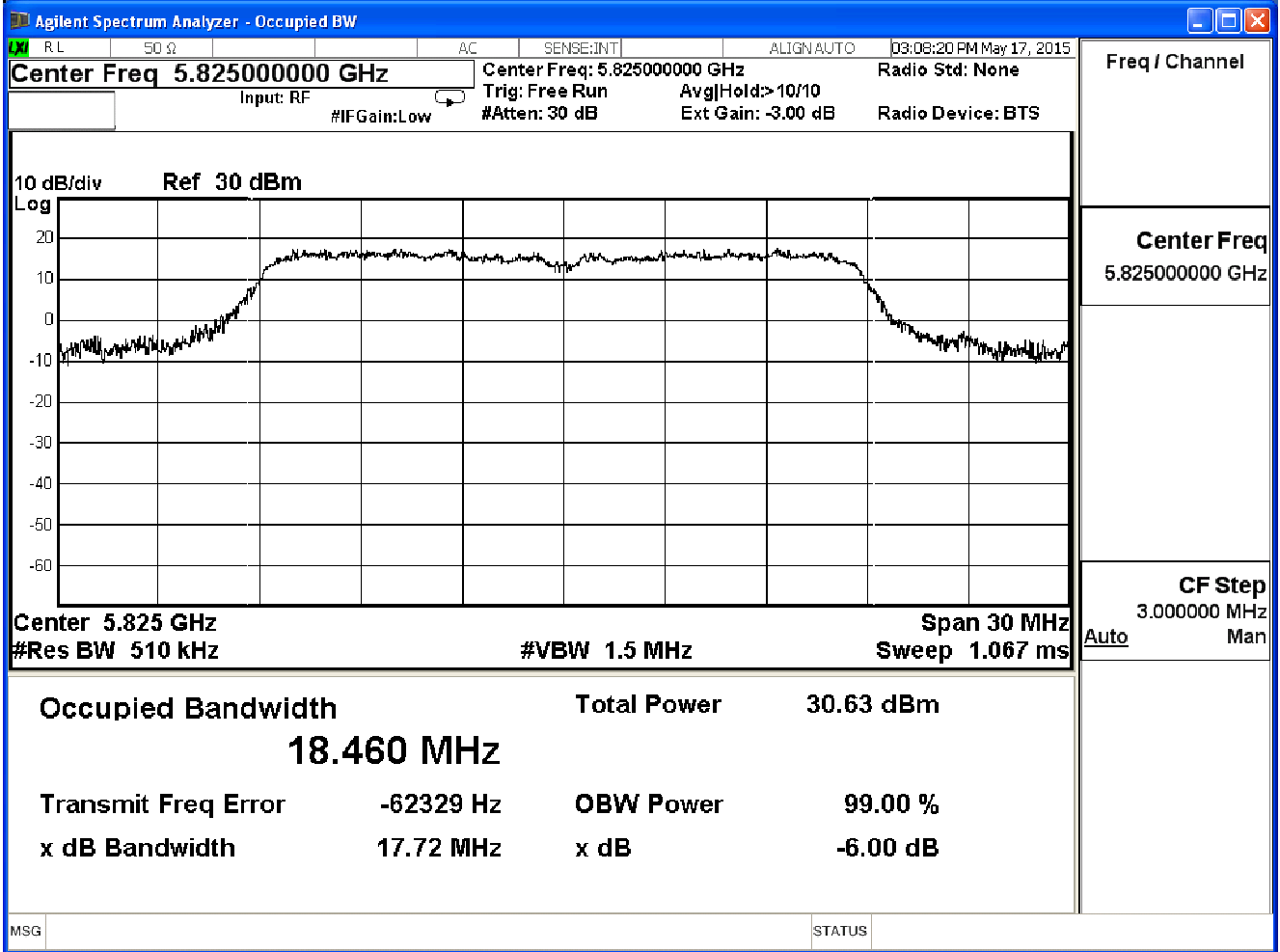
**Channel 149**



### Channel 157



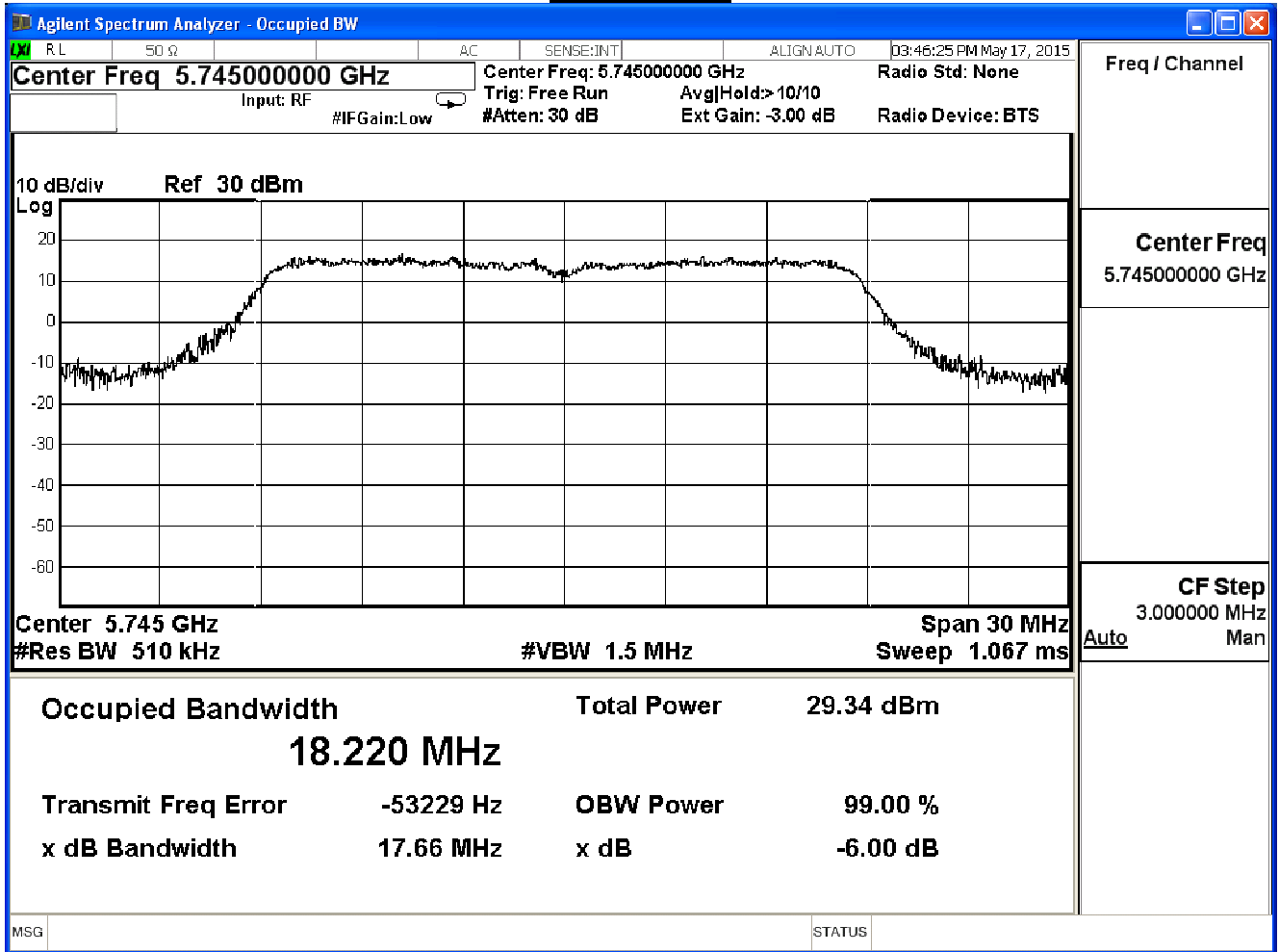
### Channel 165



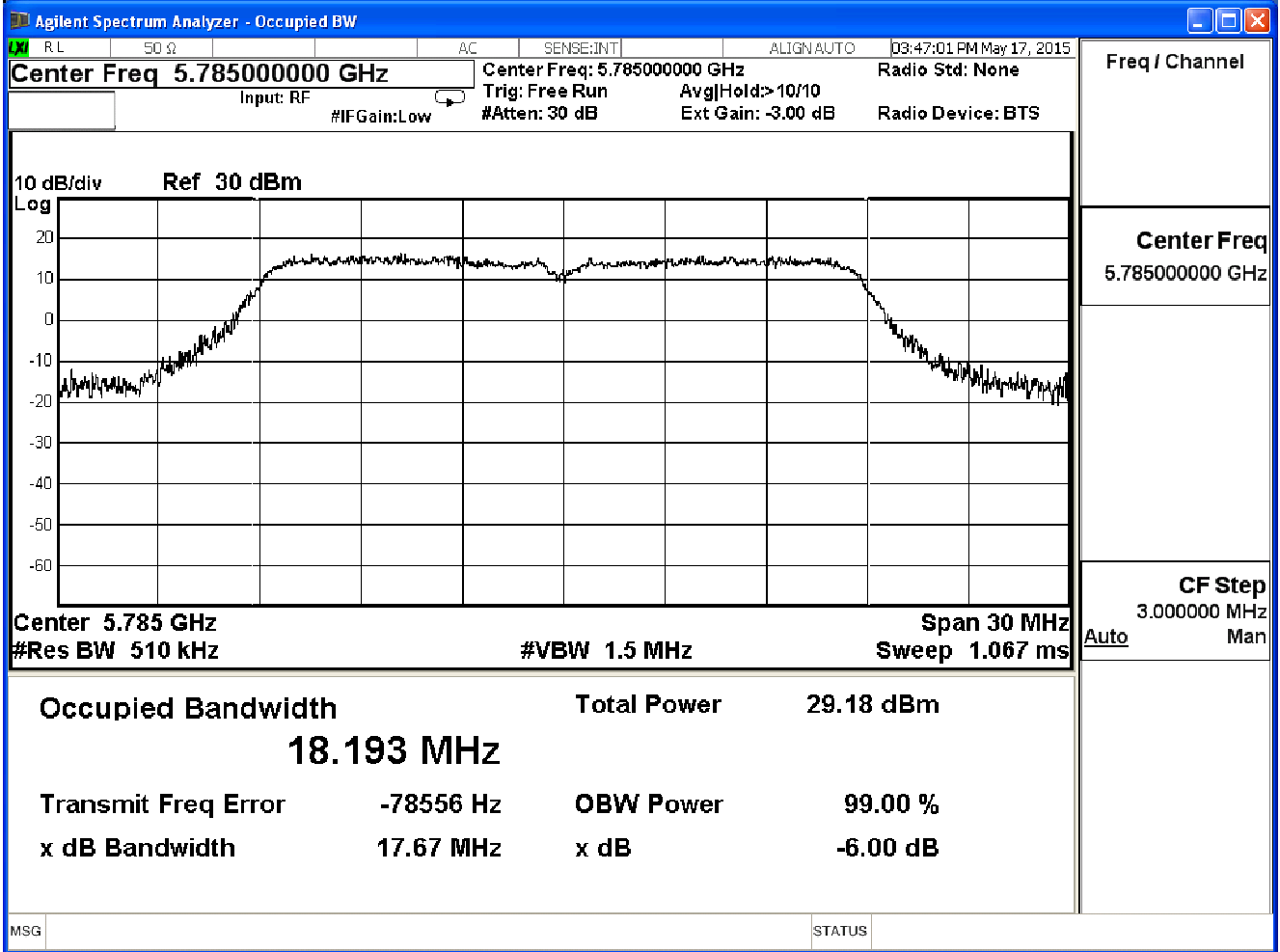
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	18.220	--	Pass
157	5785	18.193	--	Pass
165	5825	18.200	--	Pass

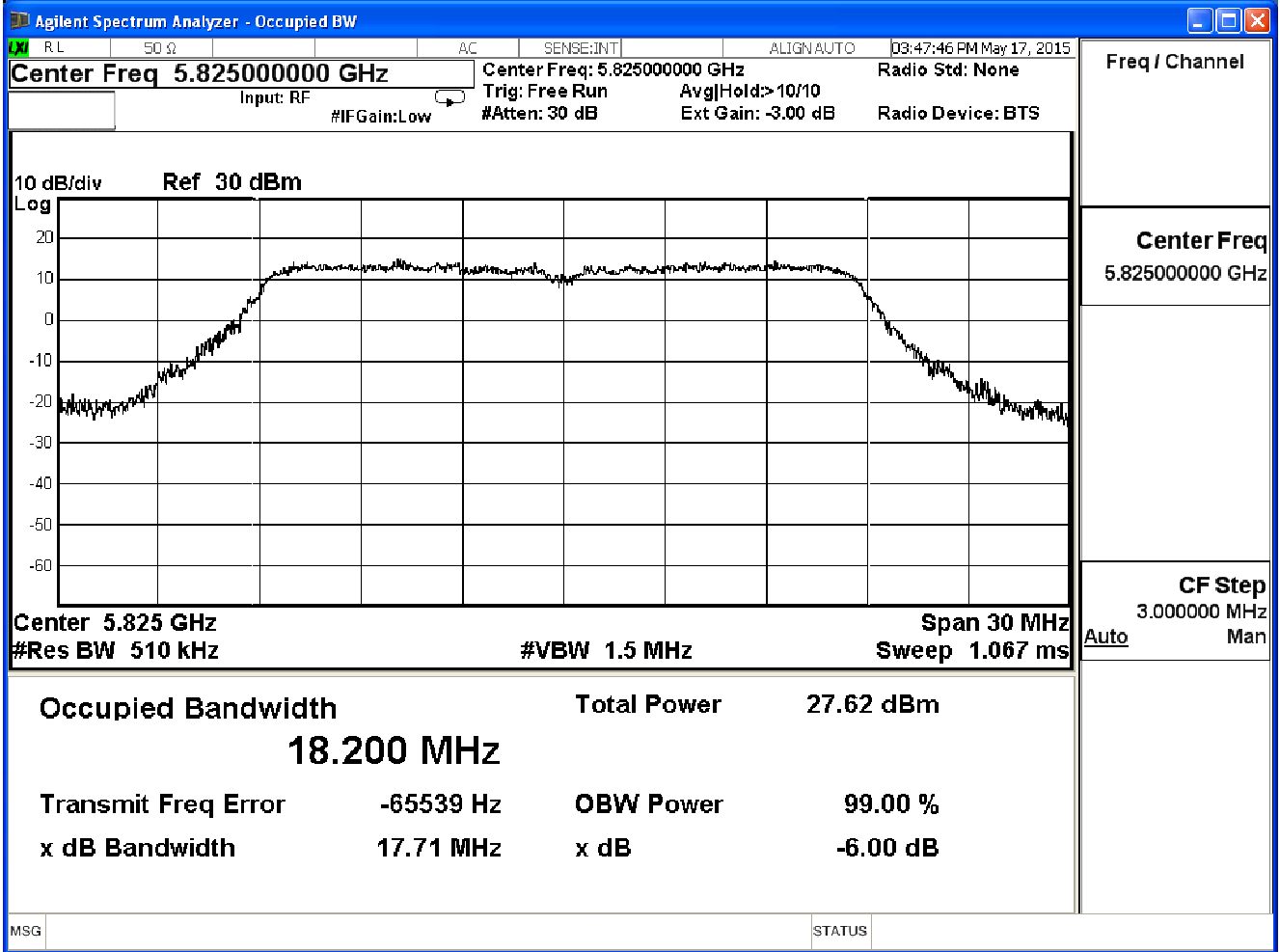
**Channel 149**



### Channel 157



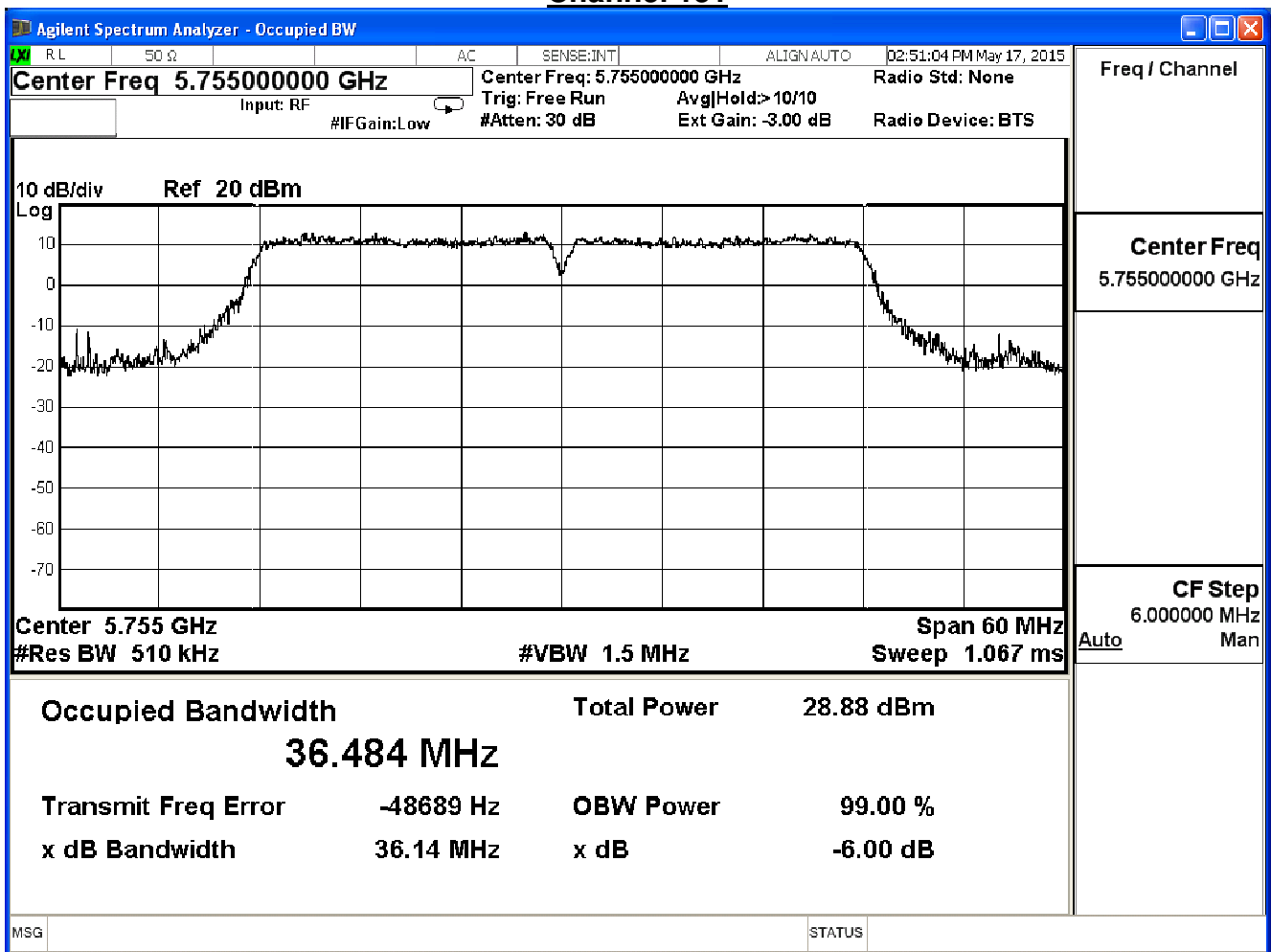
### Channel 165



Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

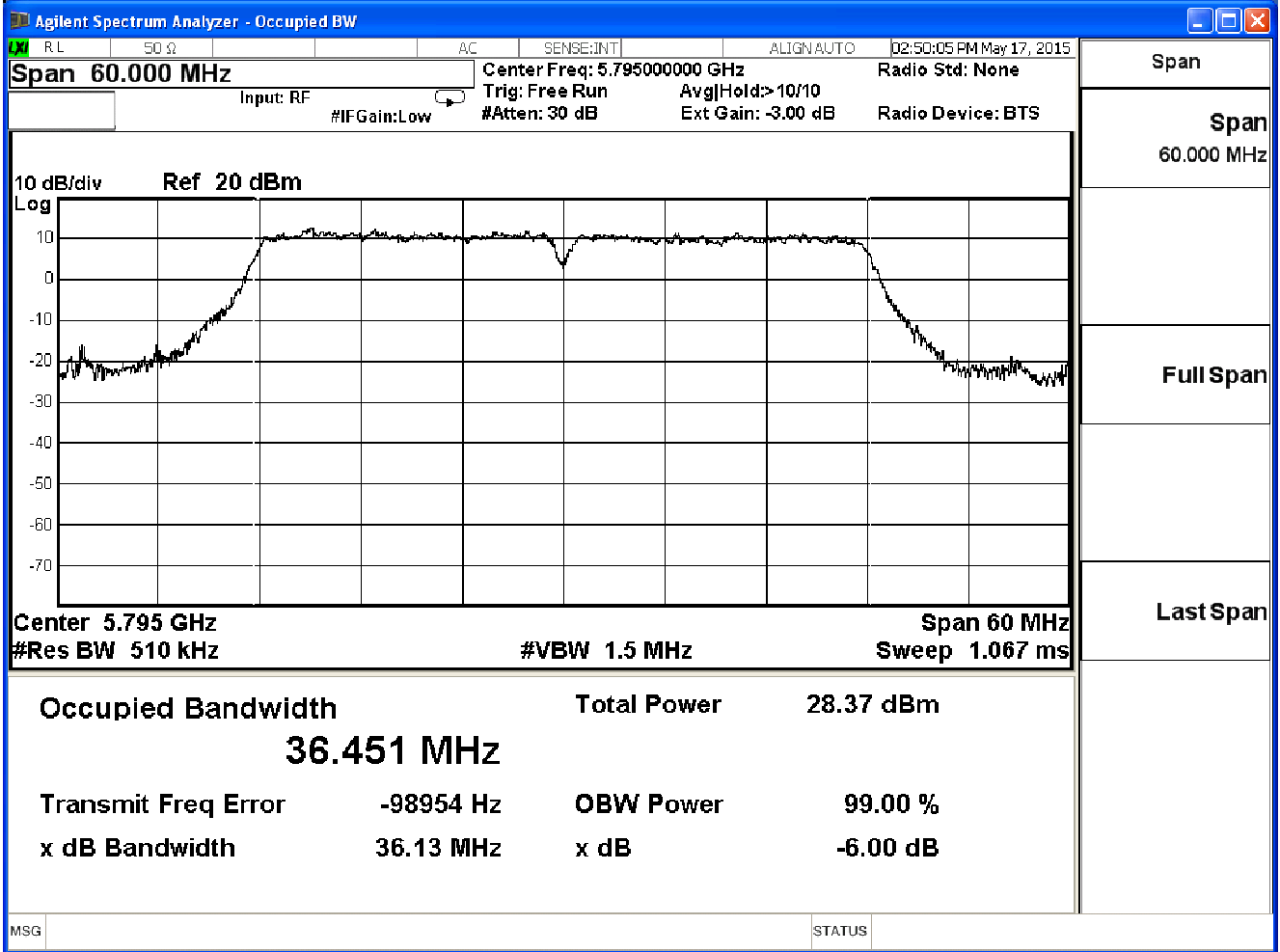
IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.484	--	Pass
159	5795	36.451	--	Pass

**Channel 151**





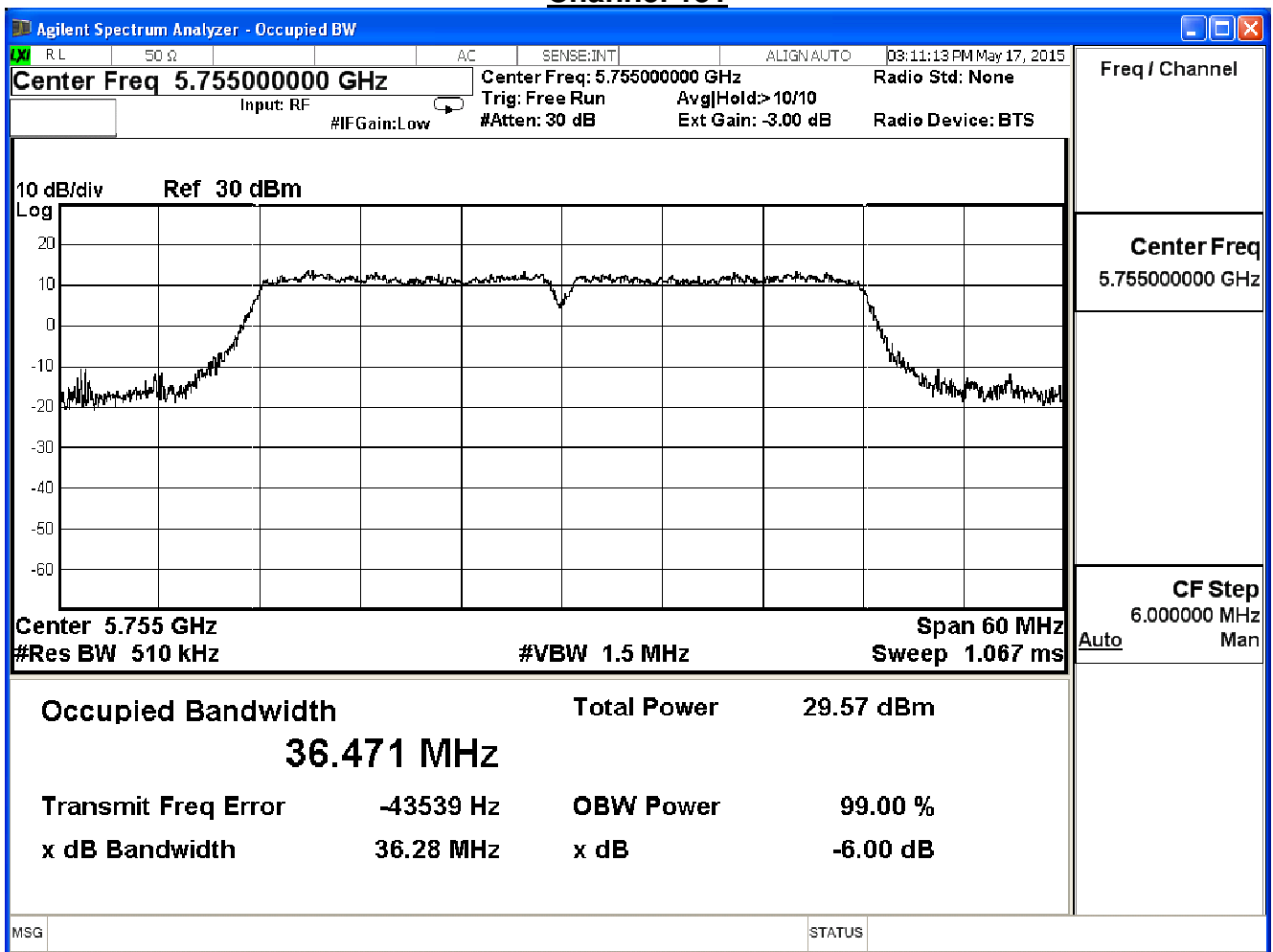
### Channel 159



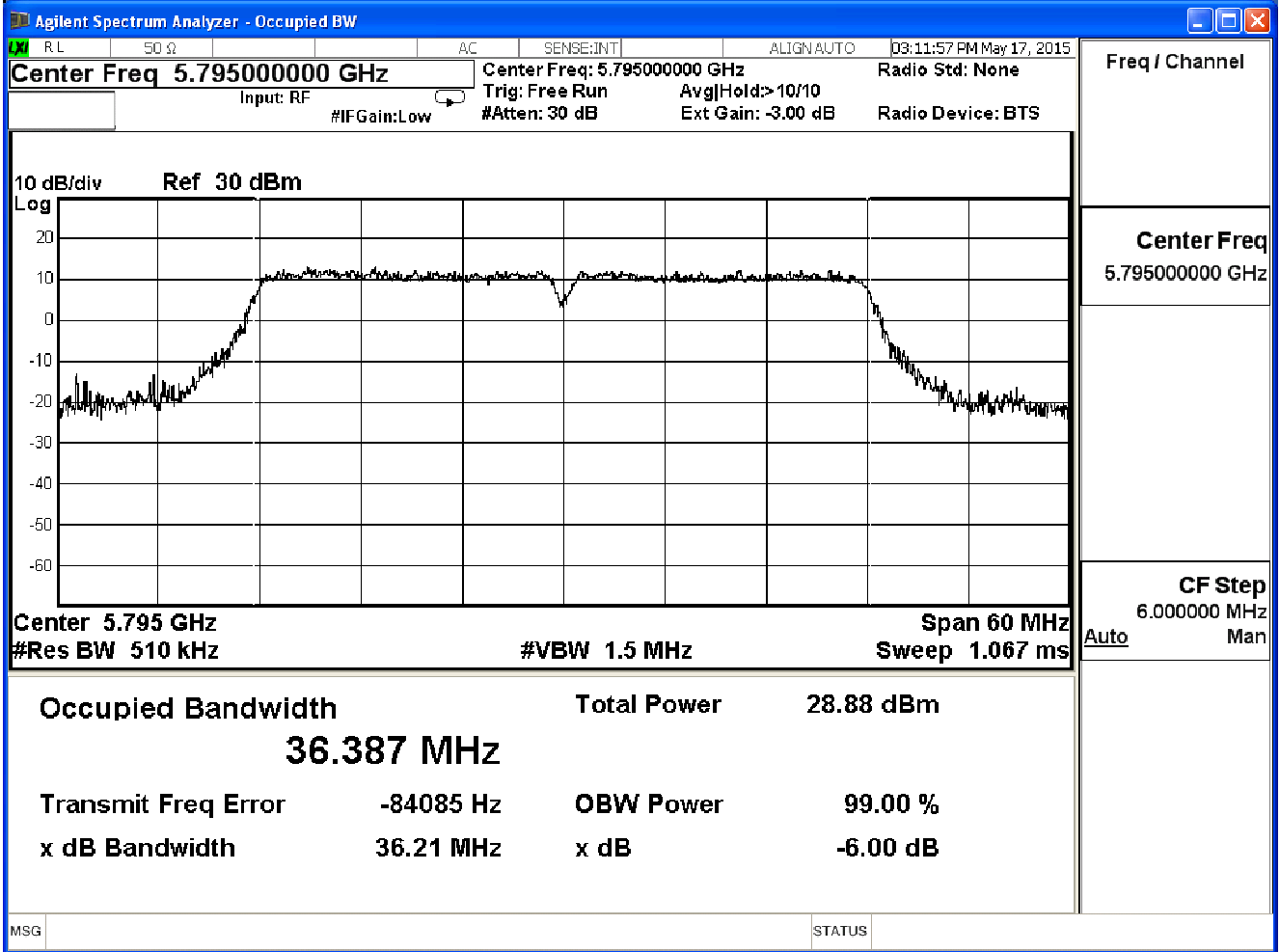
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.471	--	Pass
159	5795	36.387	--	Pass

**Channel 151**



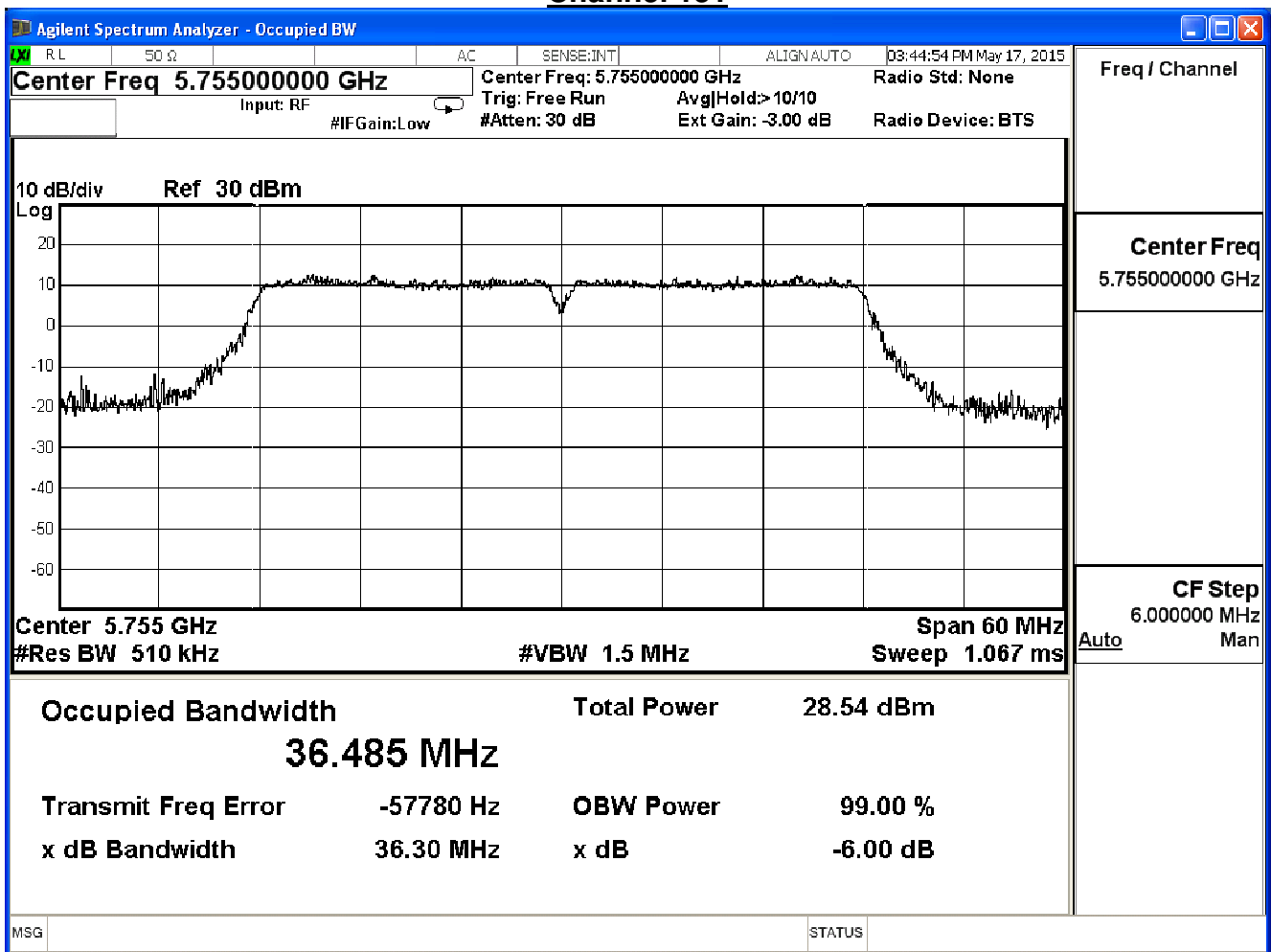
### Channel 159



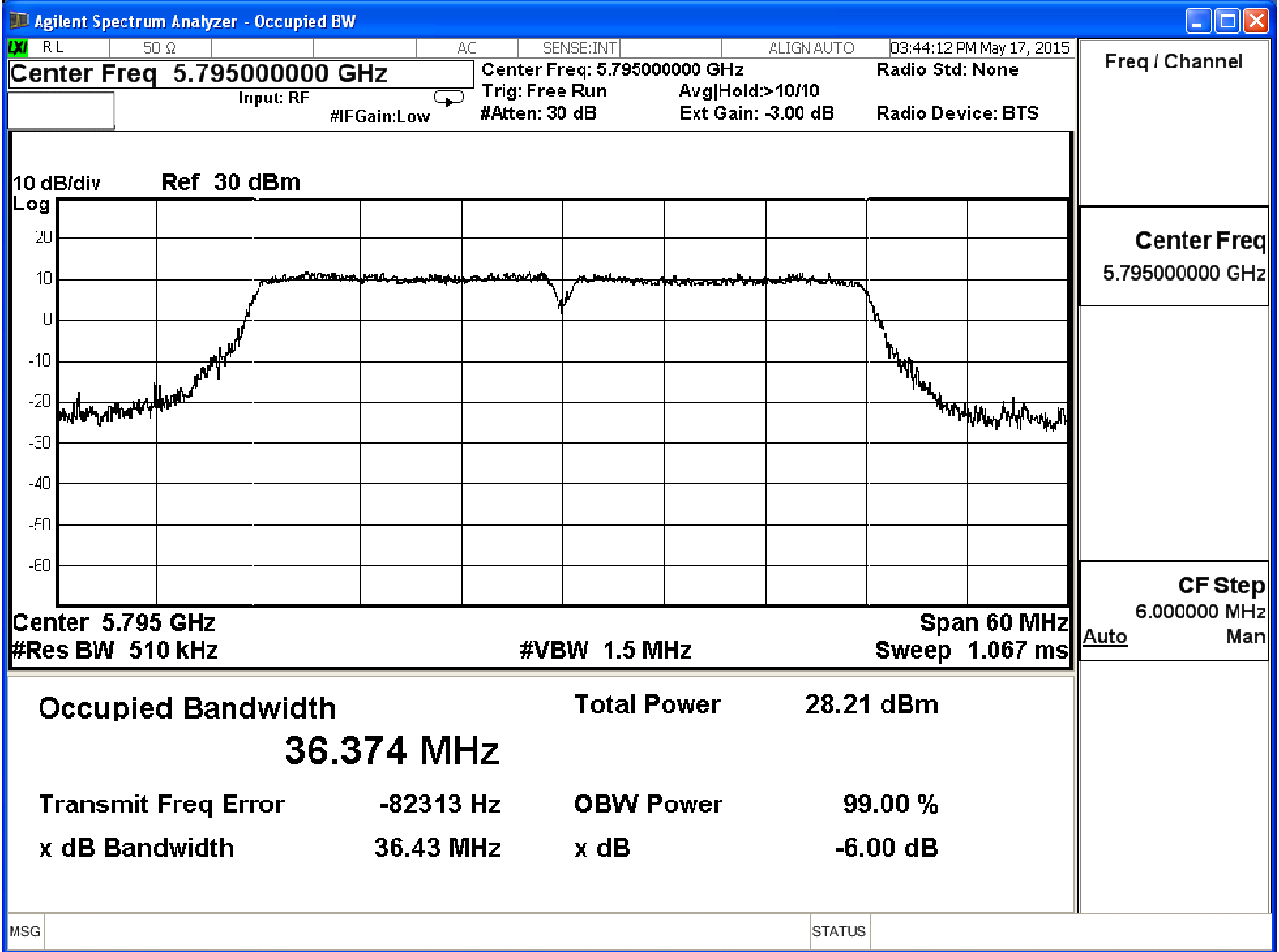
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.485	--	Pass
159	5795	36.374	--	Pass

**Channel 151**



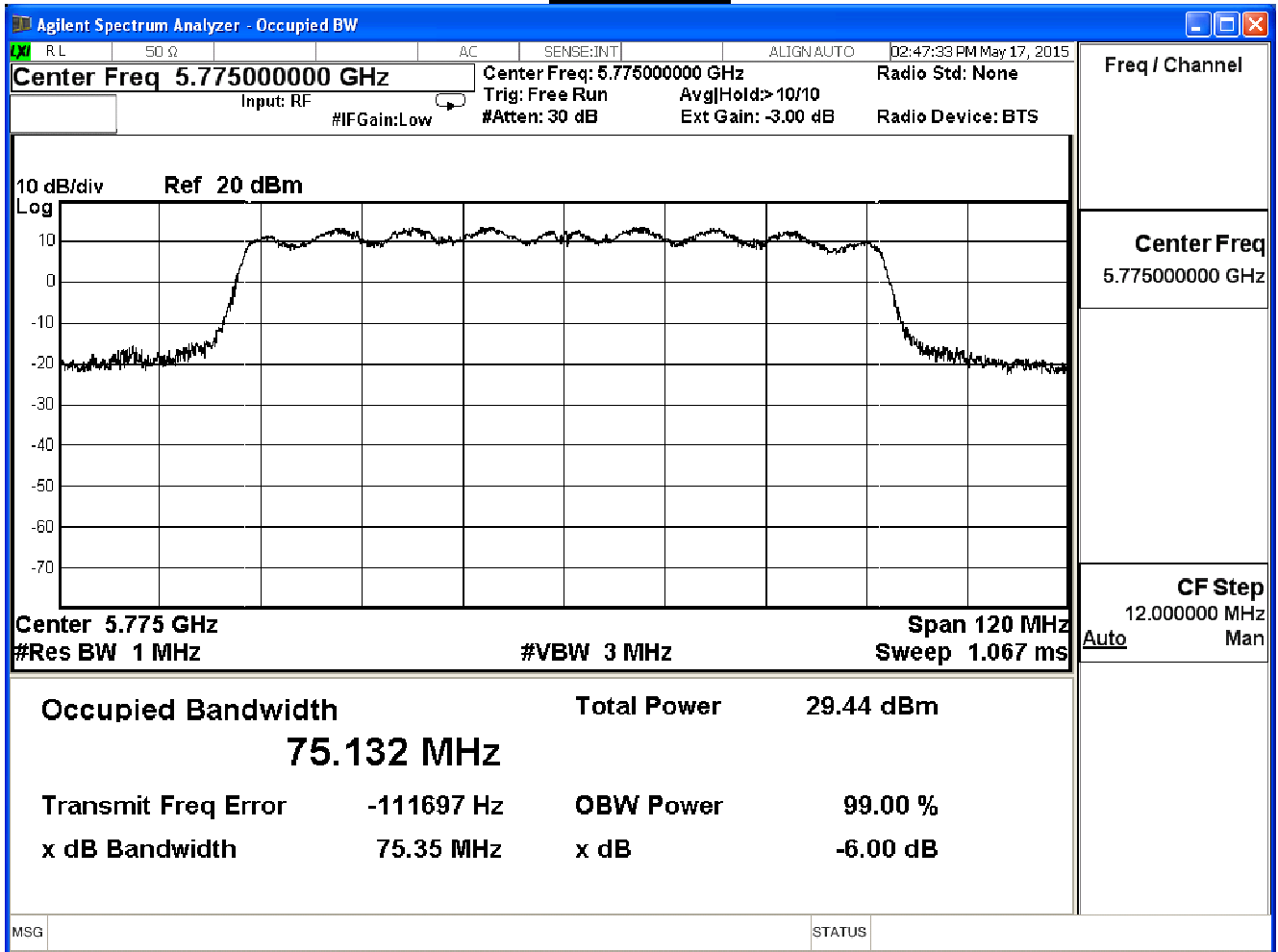
**Channel 159**



Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	75.132	--	Pass

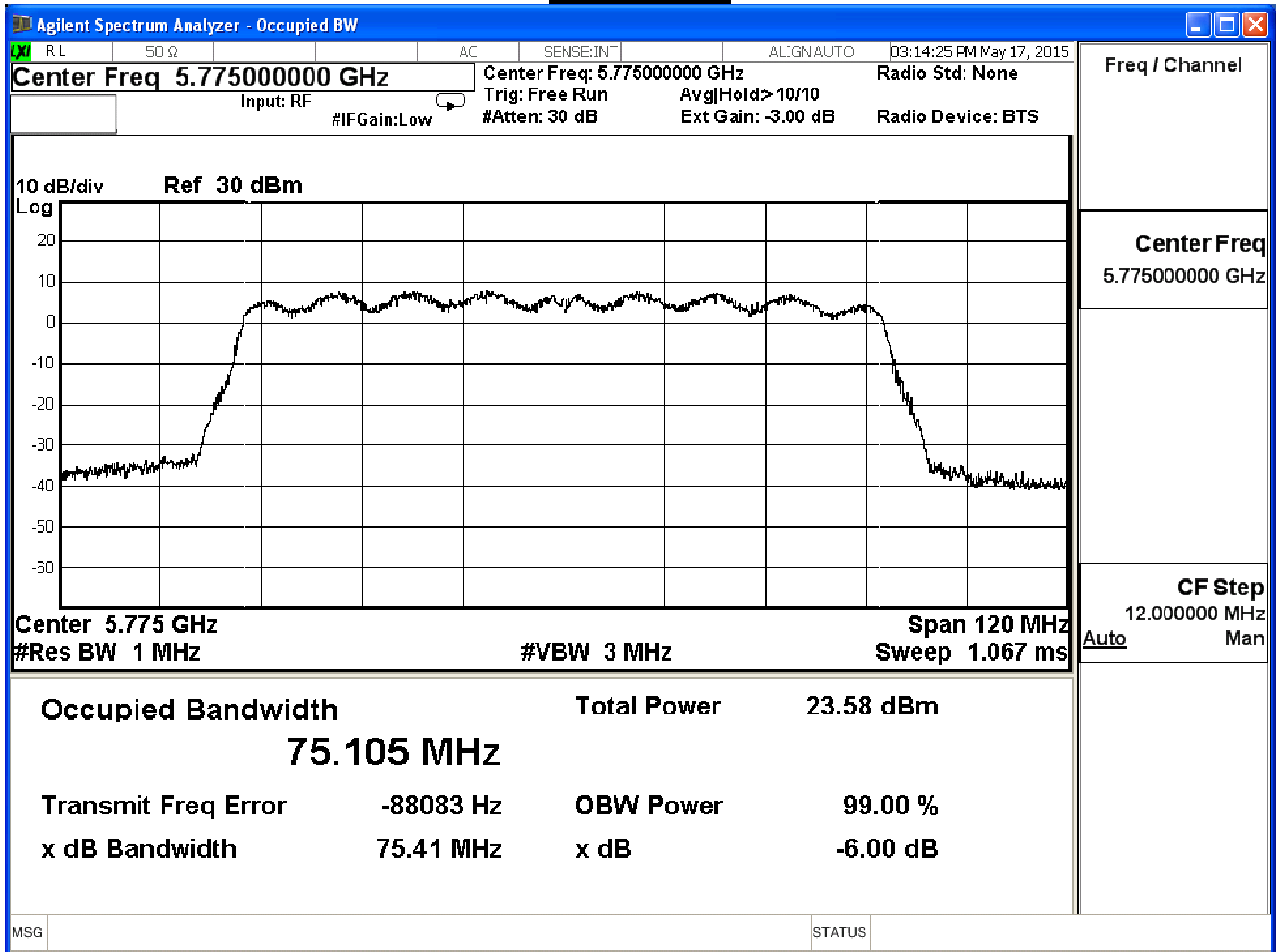
**Channel 155**



Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	75.105	--	Pass

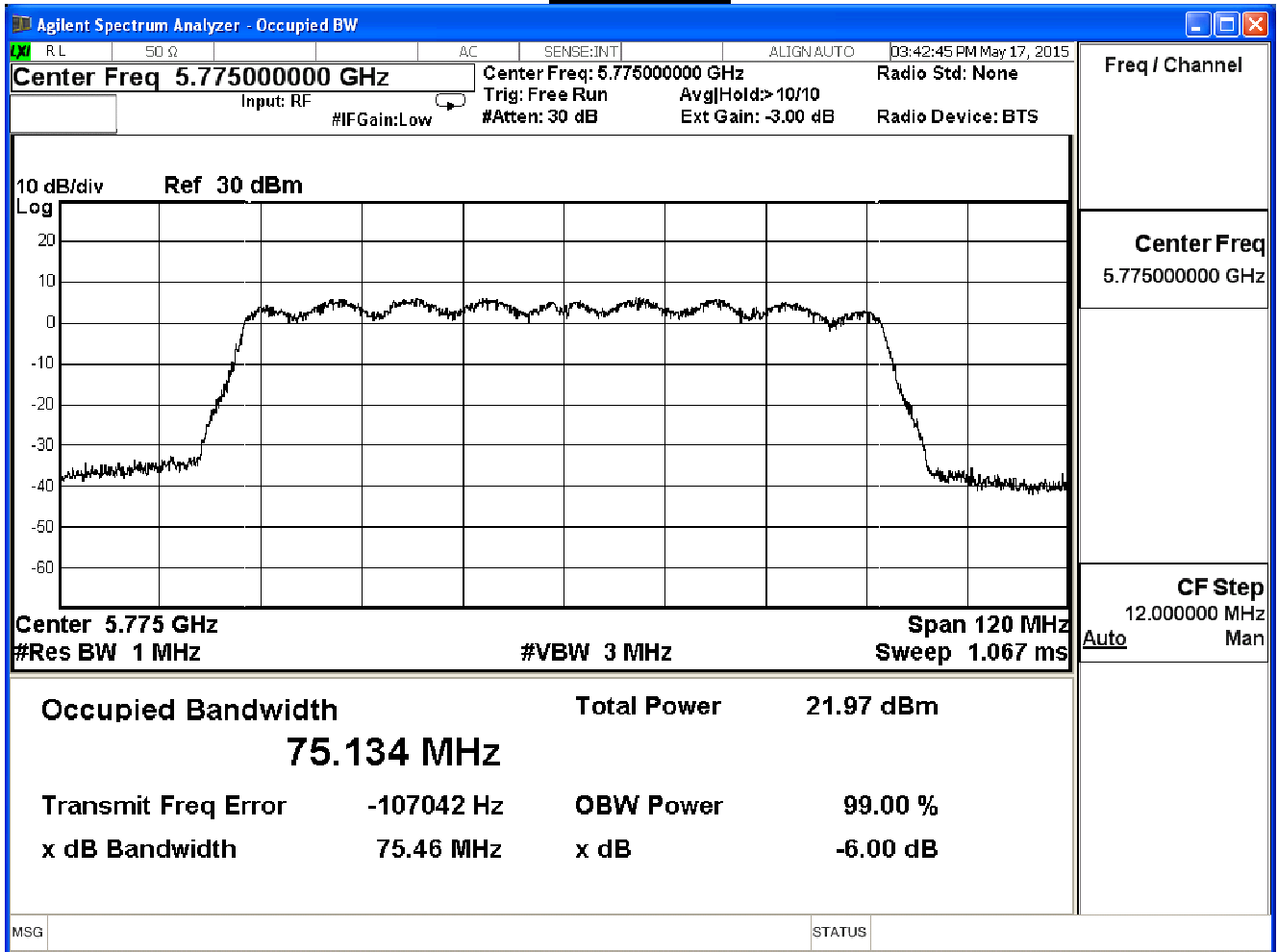
**Channel 155**



Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	75.134	--	Pass

**Channel 155**





**9. Power Density**

**9.1. Test Equipment**

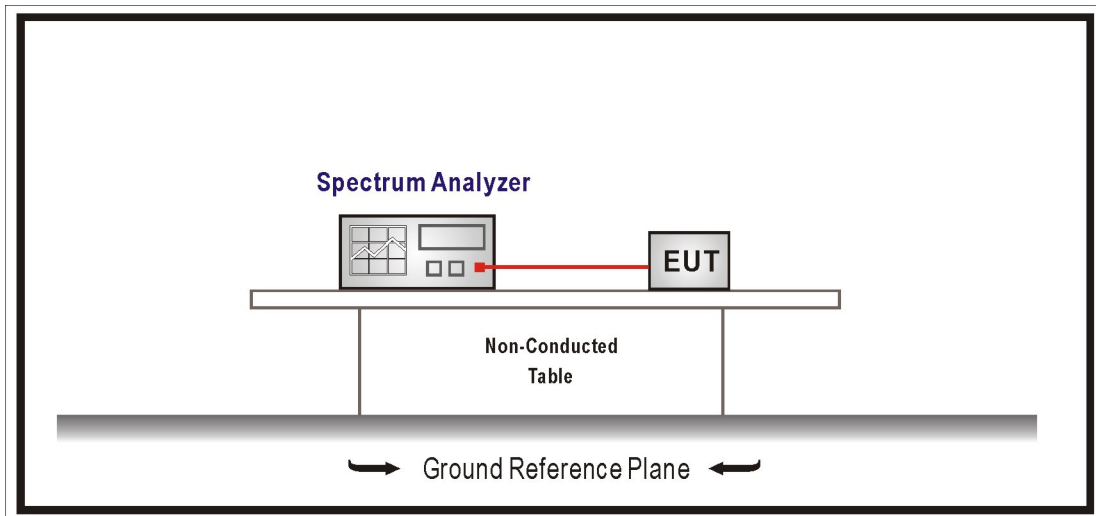
The following test equipment is used during the test:

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: 2009; tested according to DTS test procedure section 10.2 of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements. Set 3KHz  $\leq$  RBW  $\leq$  100 kHz, Set VBW  $\geq$  3xRBW, 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: 2014

**9.6. Uncertainty**

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

**9.7. Test Result**

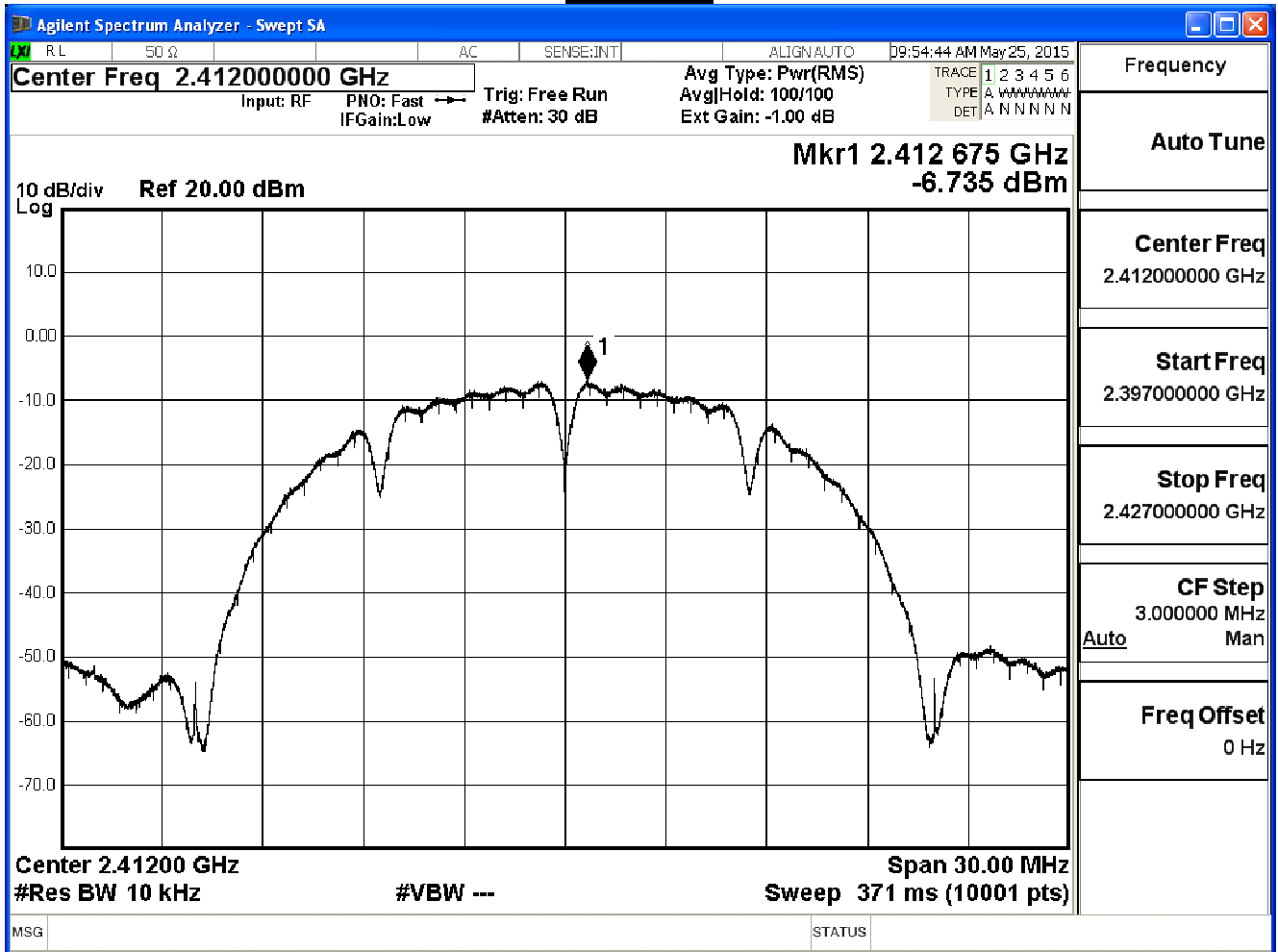
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-6.735	≤ 5.66	Pass
6	2437	-4.193	≤ 5.66	Pass
11	2462	-10.980	≤ 5.66	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 3.57 = 8.34\text{dBi}$

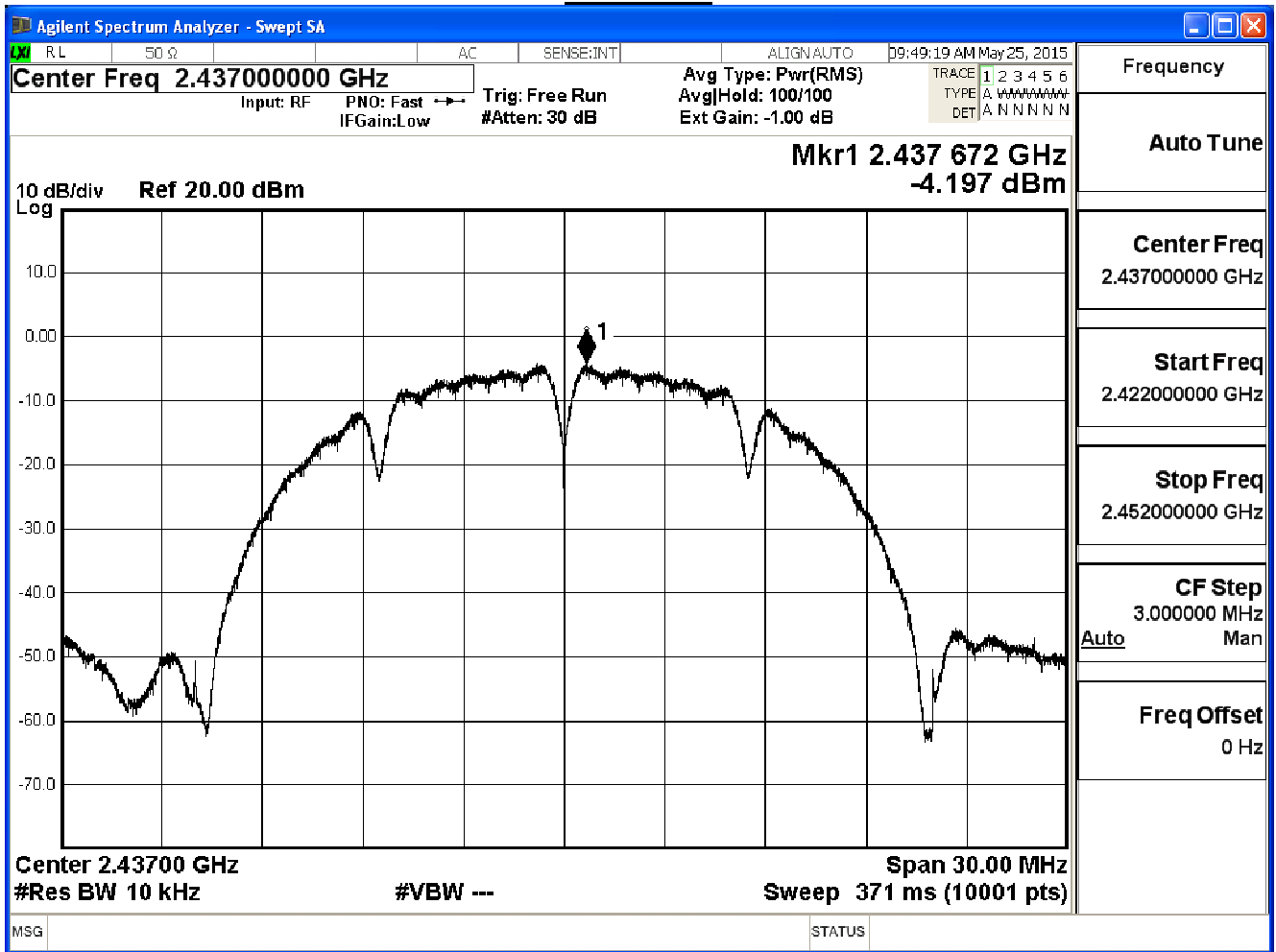
Power Density Limit:  $8\text{dBm} - (8.34\text{dBi} - 6\text{dB}) = 5.66\text{dBm}/\text{MHz}$

**Channel 1**

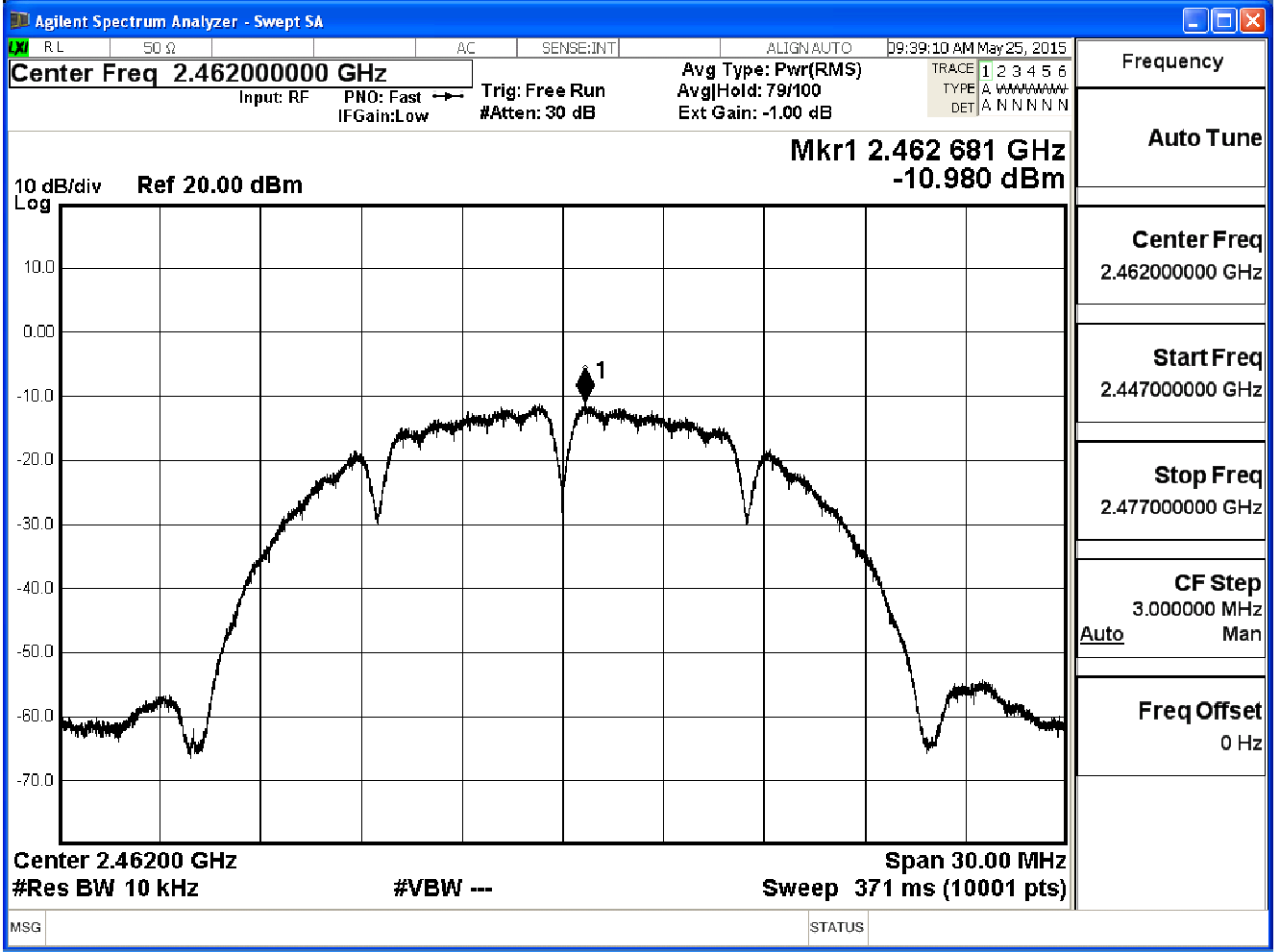




### Channel 6



**Channel 11**

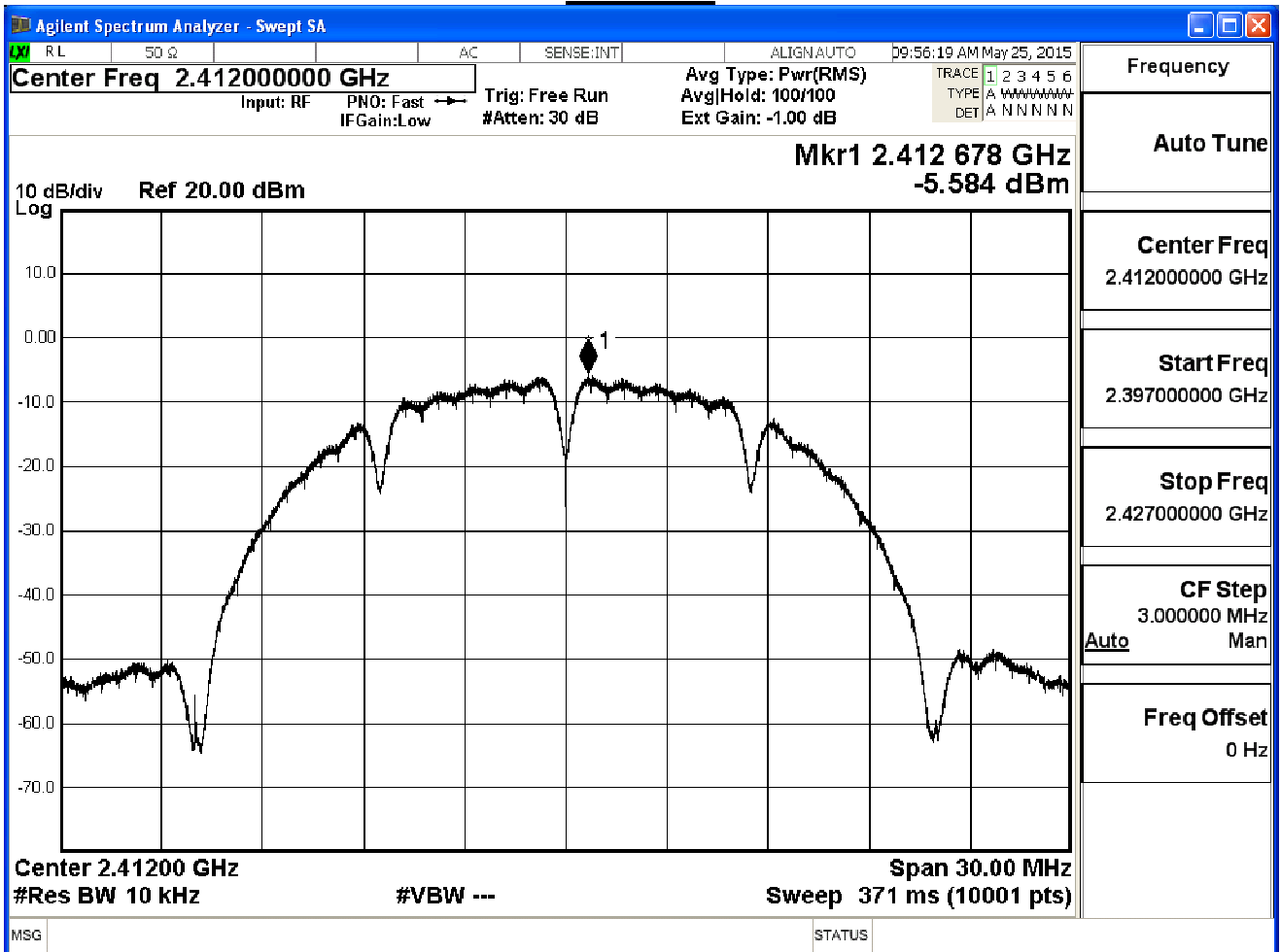


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

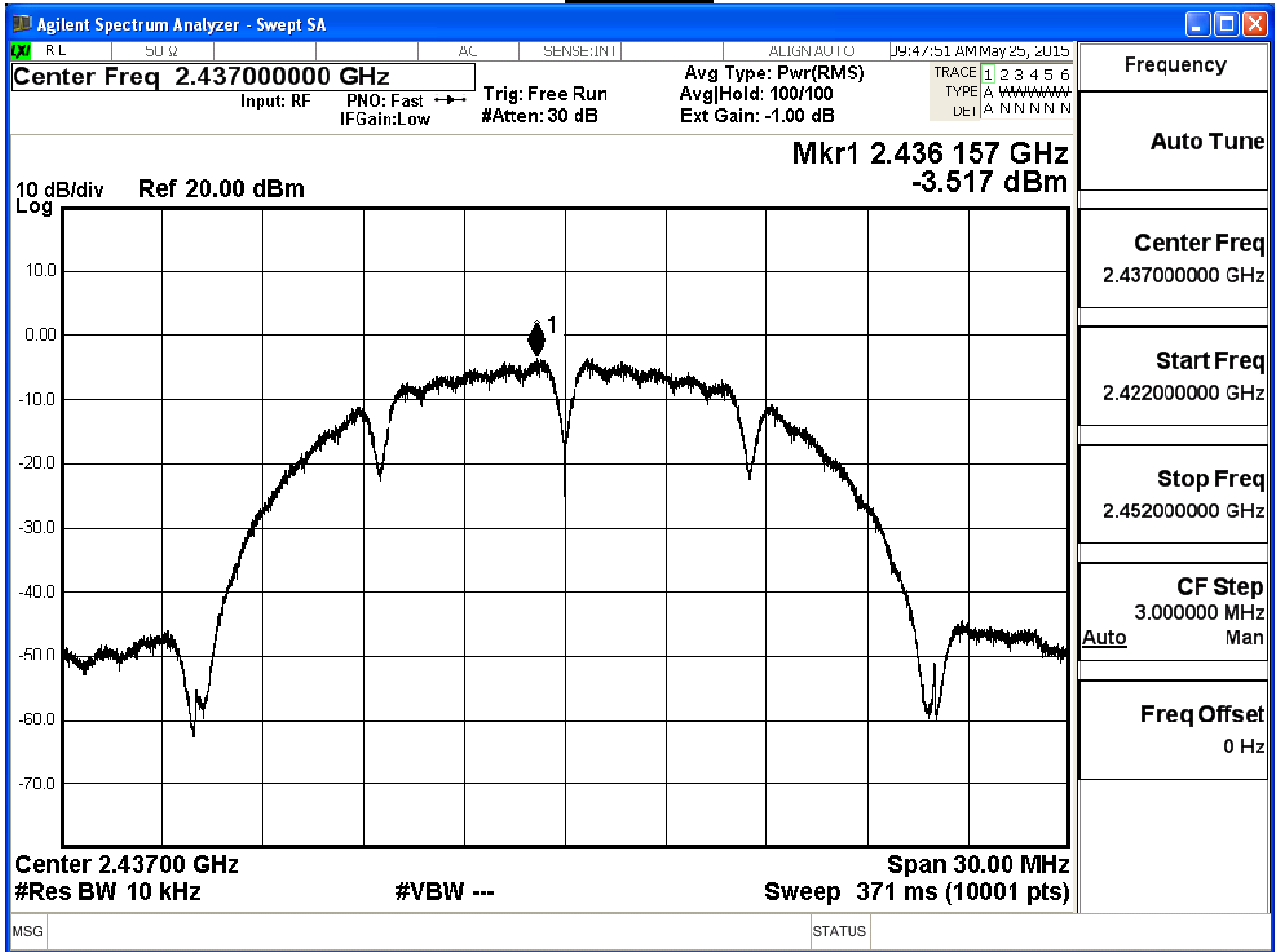
IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-5.584	≤ 5.66	Pass
6	2437	-3.517	≤ 5.66	Pass
11	2462	-10.101	≤ 5.66	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 3.57 = 8.34\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (8.34\text{dBi} - 6\text{dB}) = 5.66\text{dBm}/\text{MHz}$

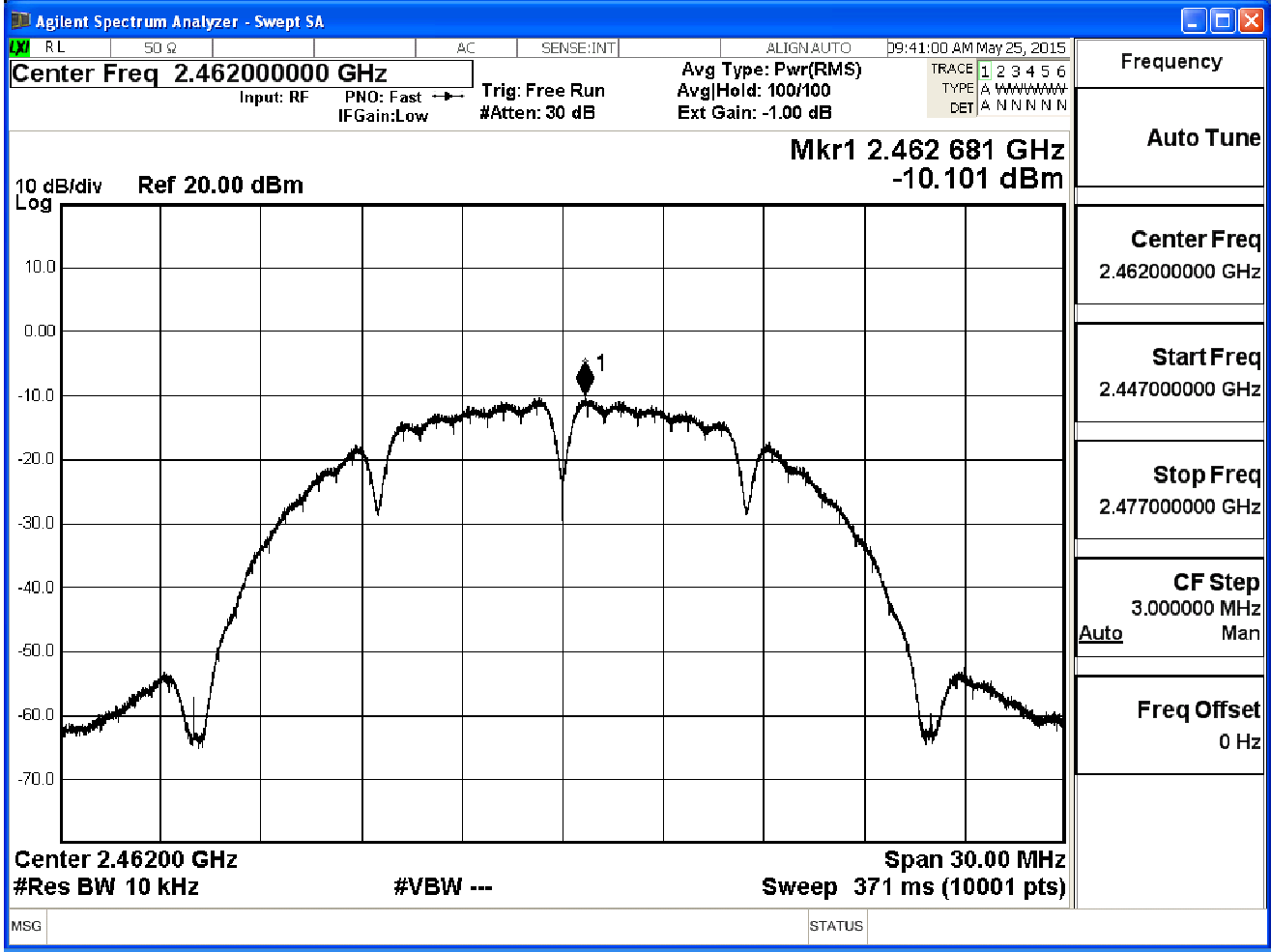
### Channel 1



### Channel 6



**Channel 11**



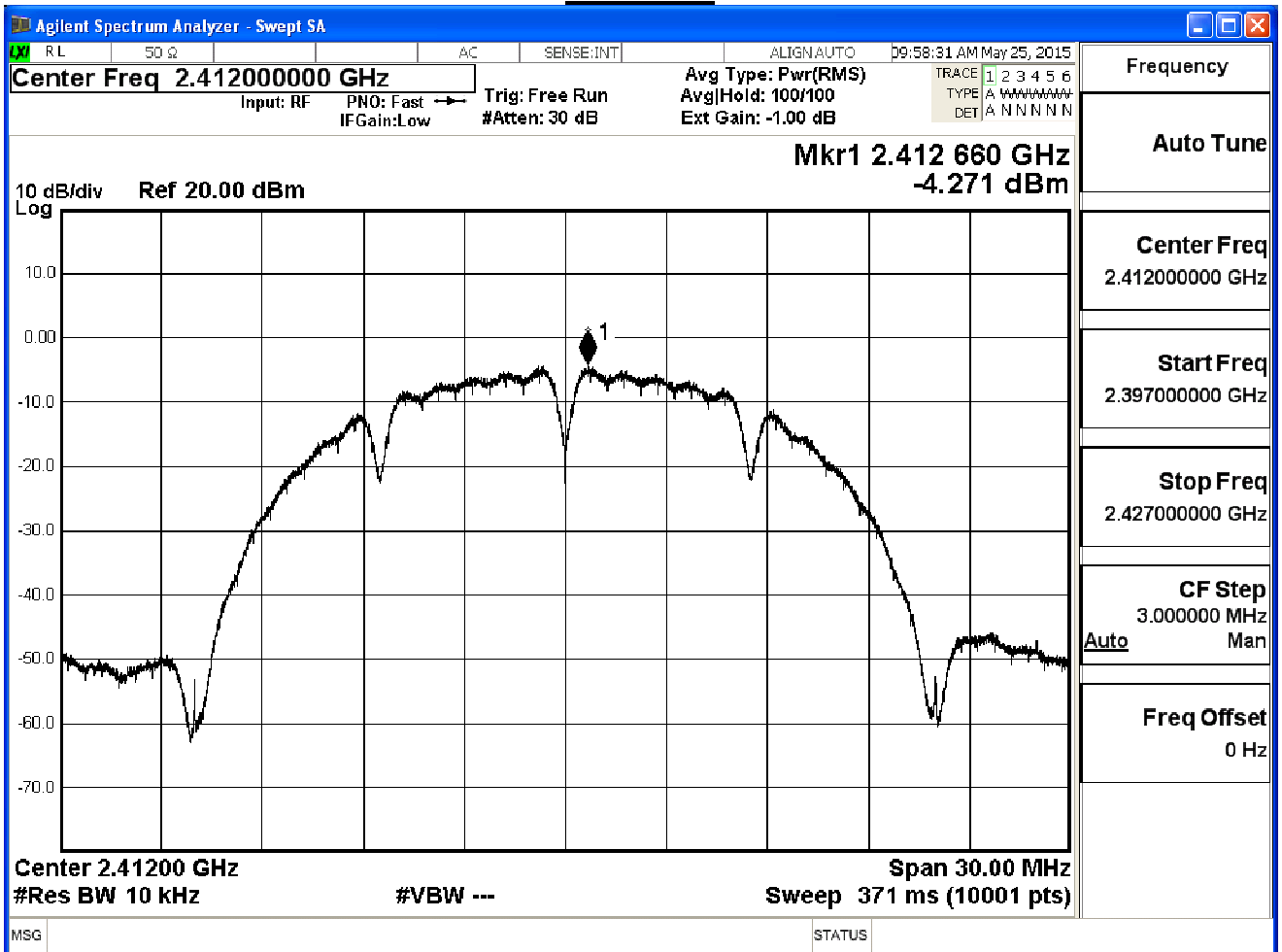


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

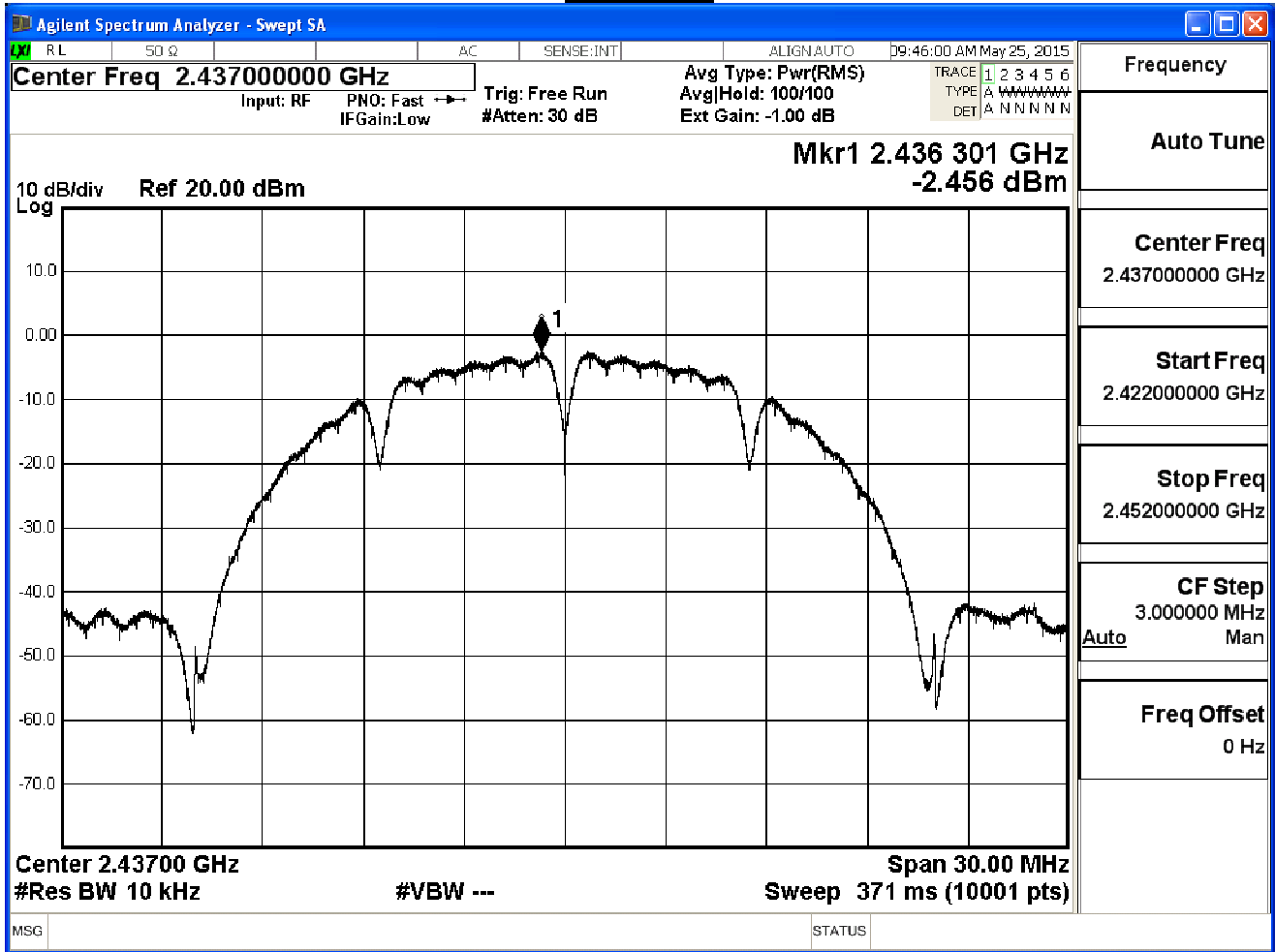
IEEE 802.11b (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-4.271	≤ 5.66	Pass
6	2437	-2.456	≤ 5.66	Pass
11	2462	-9.558	≤ 5.66	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 3.57 = 8.34\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (8.34\text{dBi} - 6\text{dB}) = 5.66\text{dBm}/\text{MHz}$

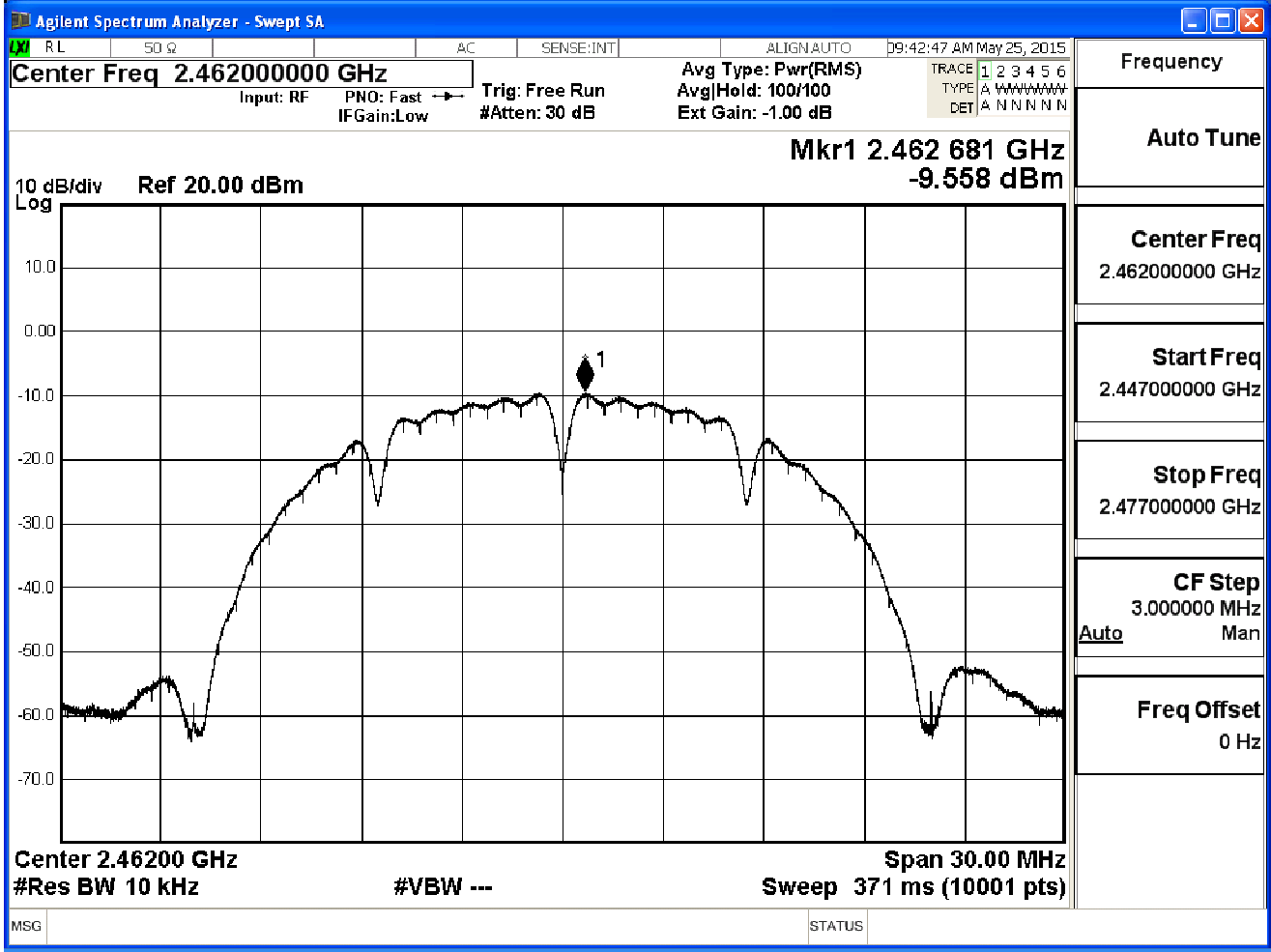
### Channel 1



**Channel 6**



**Channel 11**



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11b (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-0.642	≤ 5.66	Pass
6	2437	1.442	≤ 5.66	Pass
11	2462	-5.403	≤ 5.66	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 3.57 = 8.34\text{dBi}$

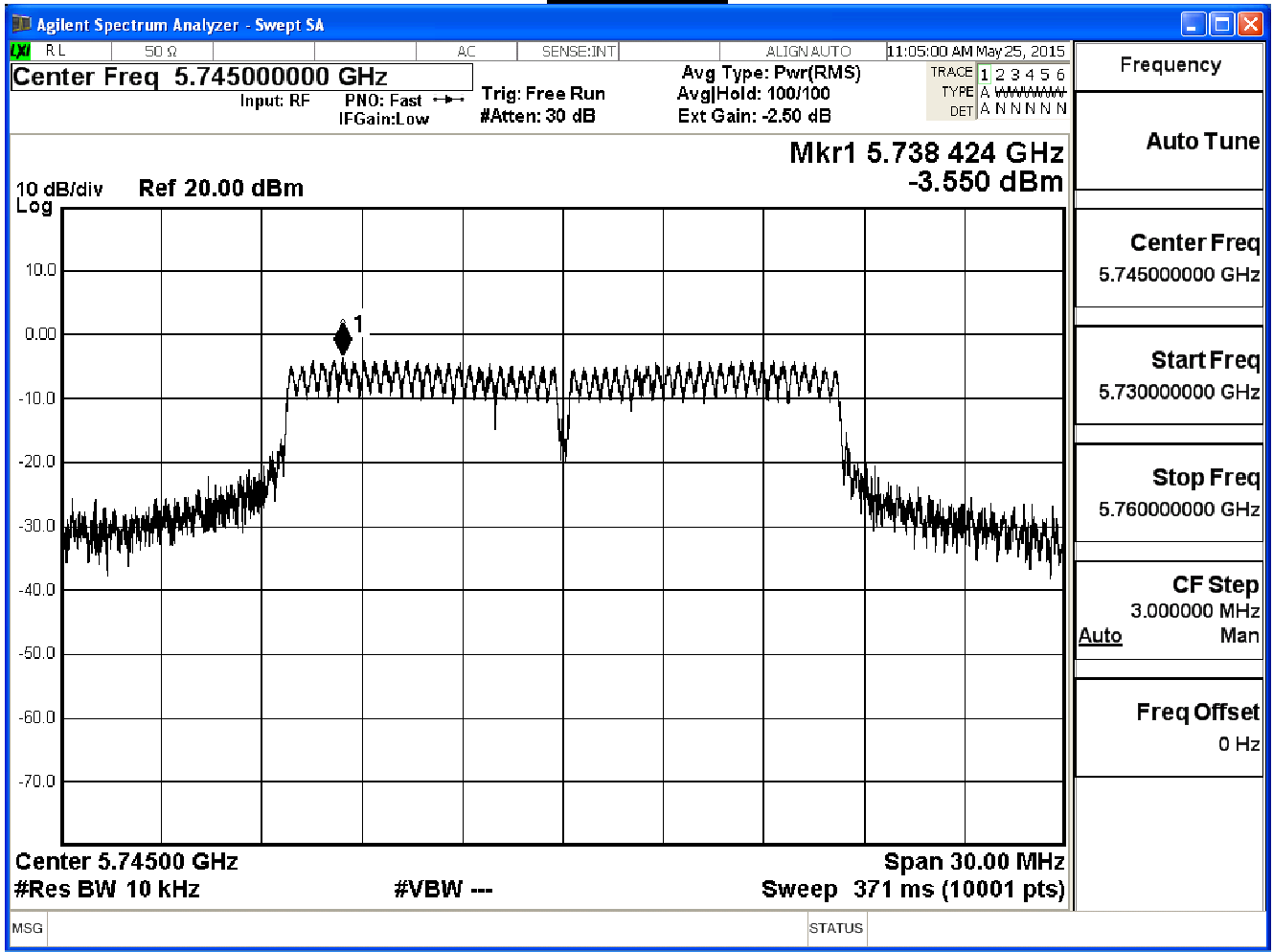
Power Density Limit:  $8\text{dBm} - (8.34\text{dBi} - 6\text{dB}) = 5.66\text{dBm/MHz}$

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

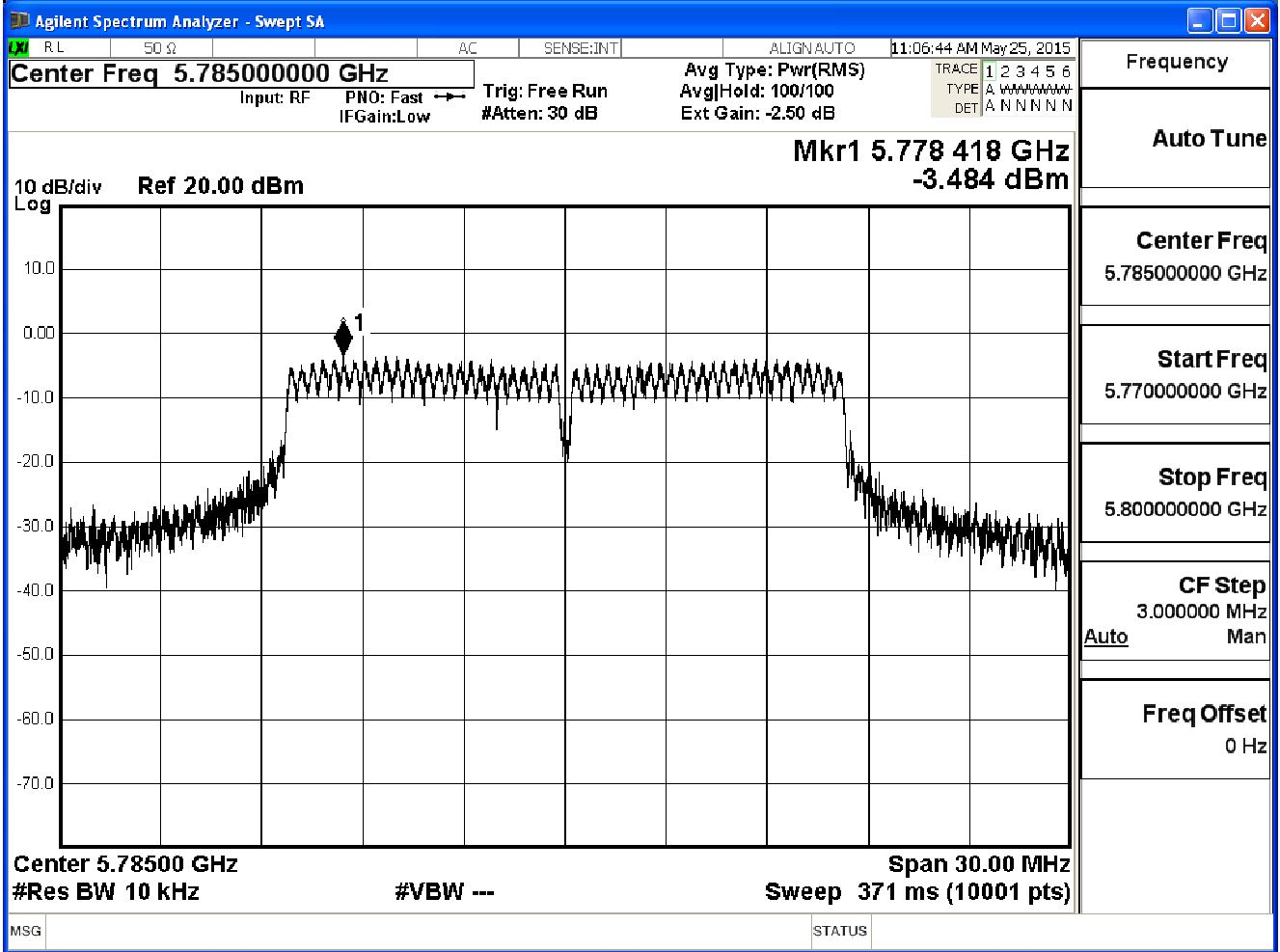
IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.55	≤ 4.63	Pass
157	5785	-3.48	≤ 4.63	Pass
165	5825	-5.79	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant } N) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

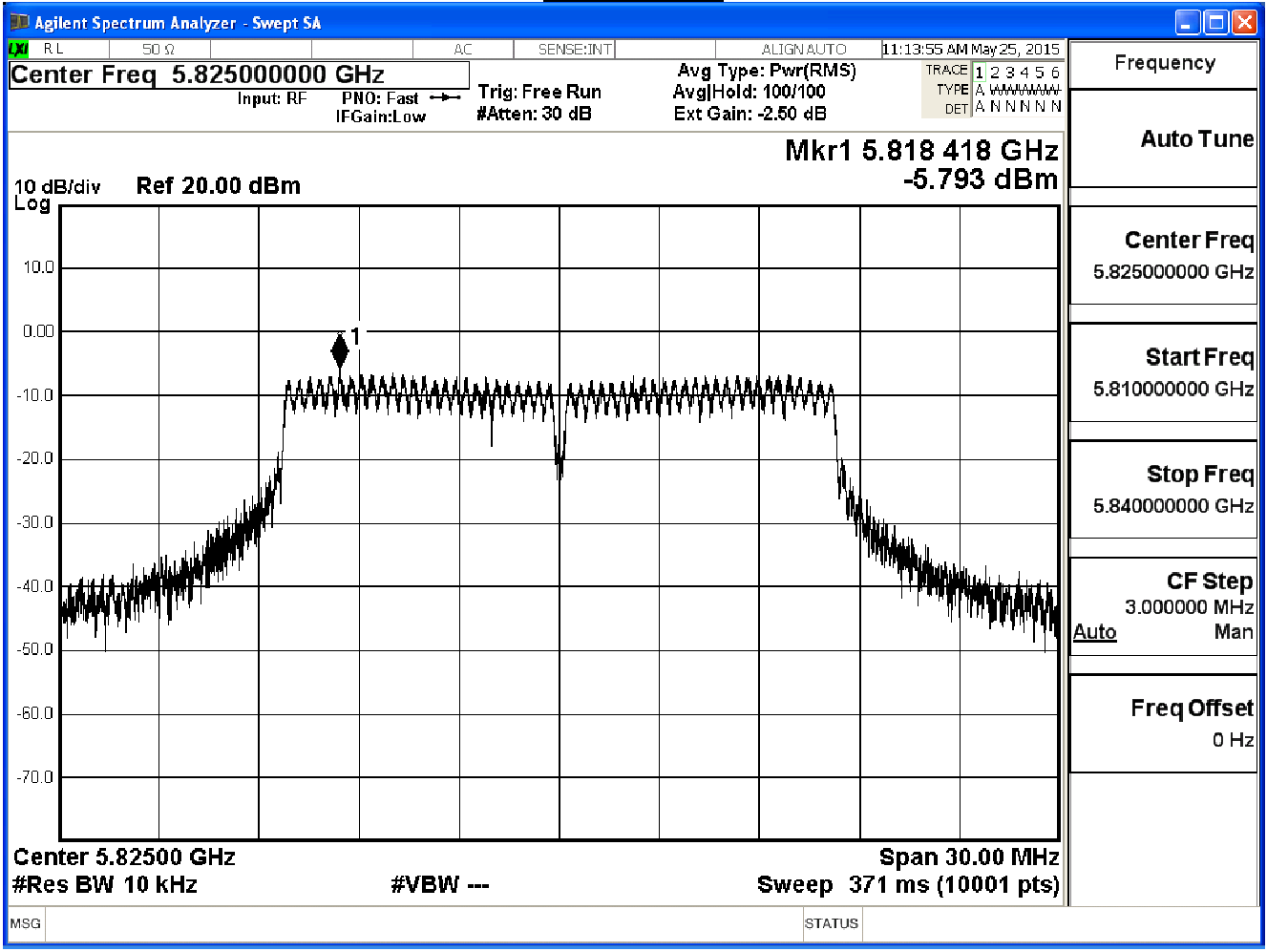
**Channel 149**



### Channel 157



**Channel 165**

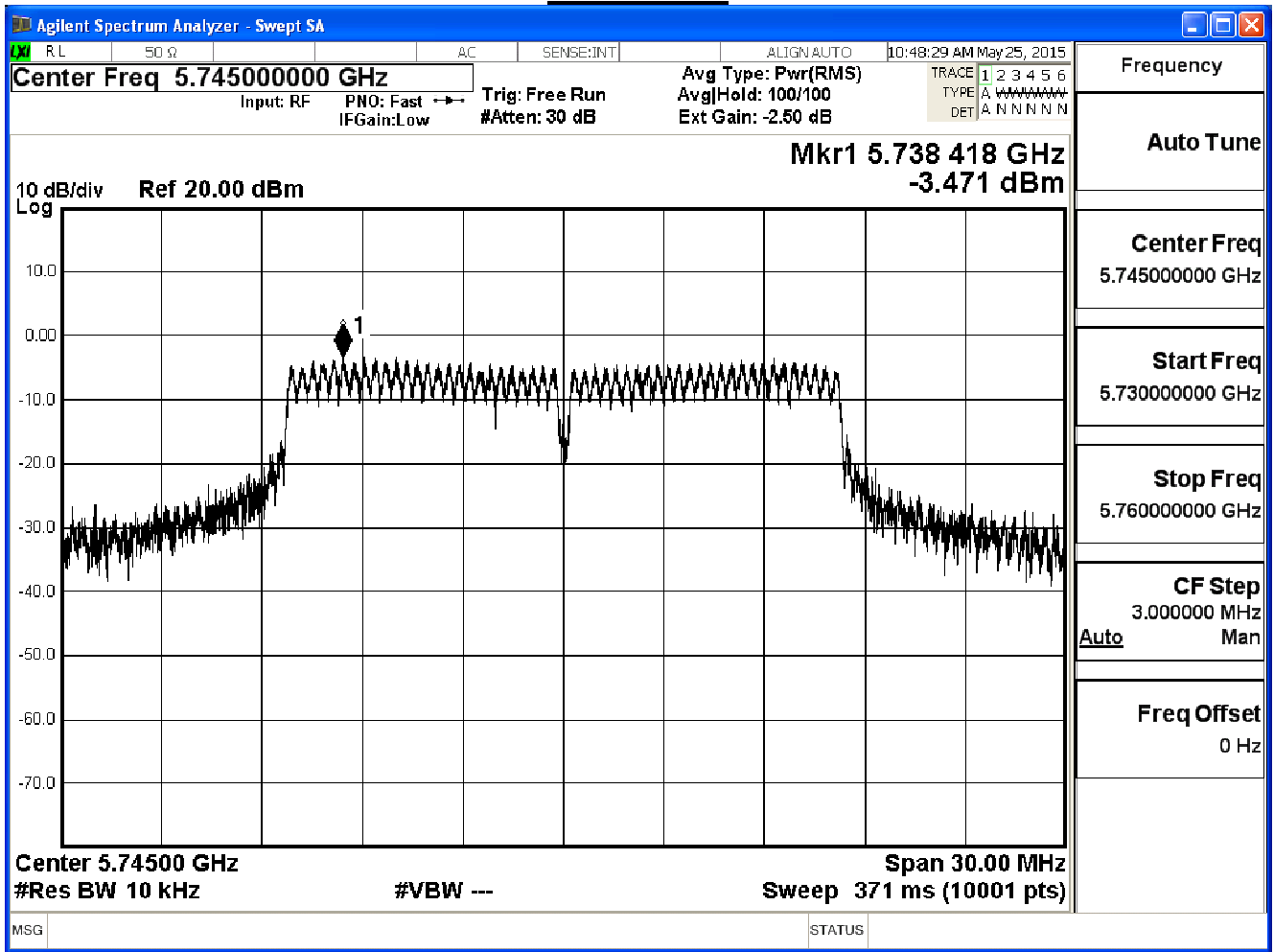


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11a (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.47	≤ 4.63	Pass
157	5785	-3.10	≤ 4.63	Pass
165	5825	-6.04	≤ 4.63	Pass

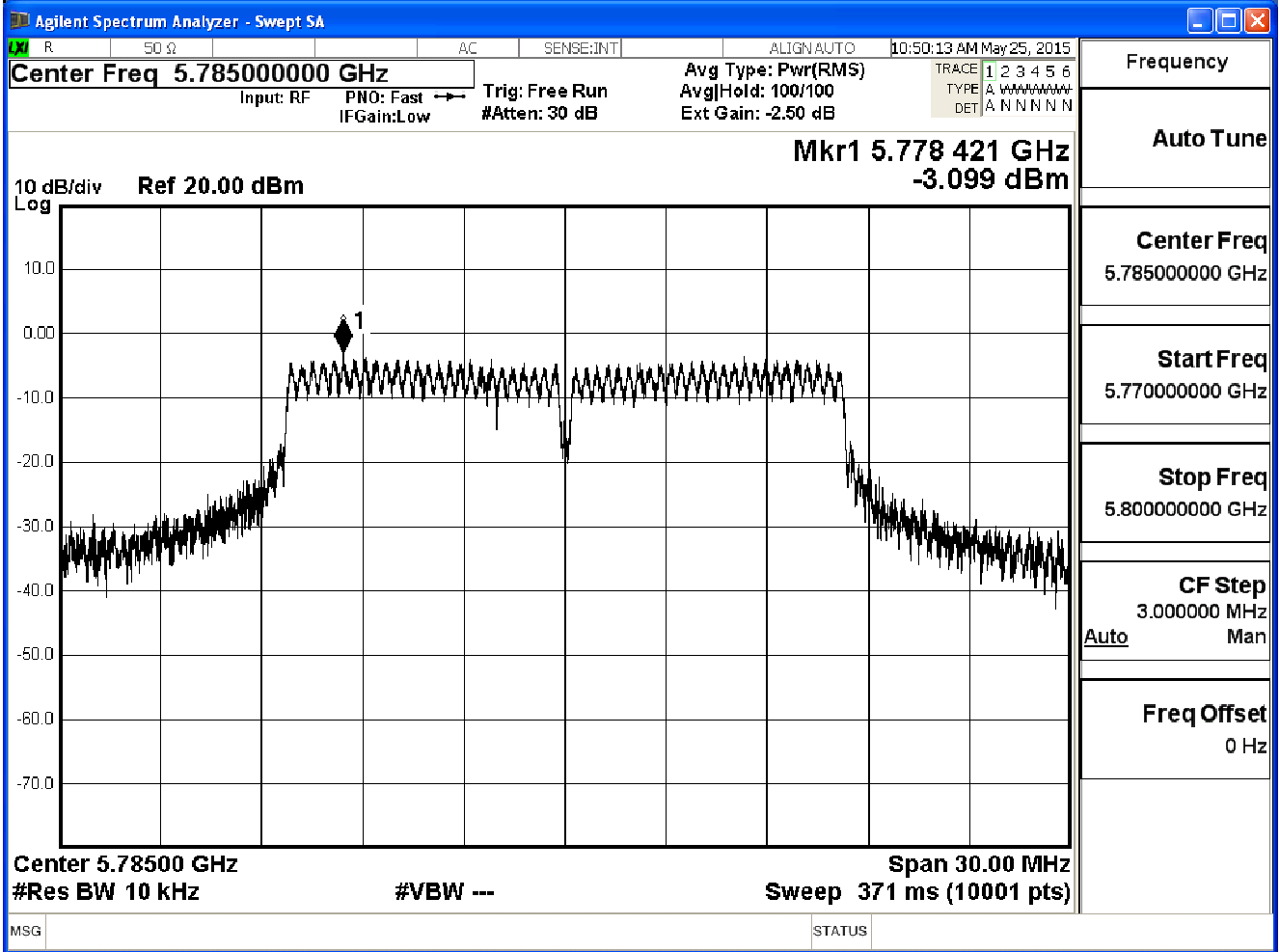
Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

### Channel 149

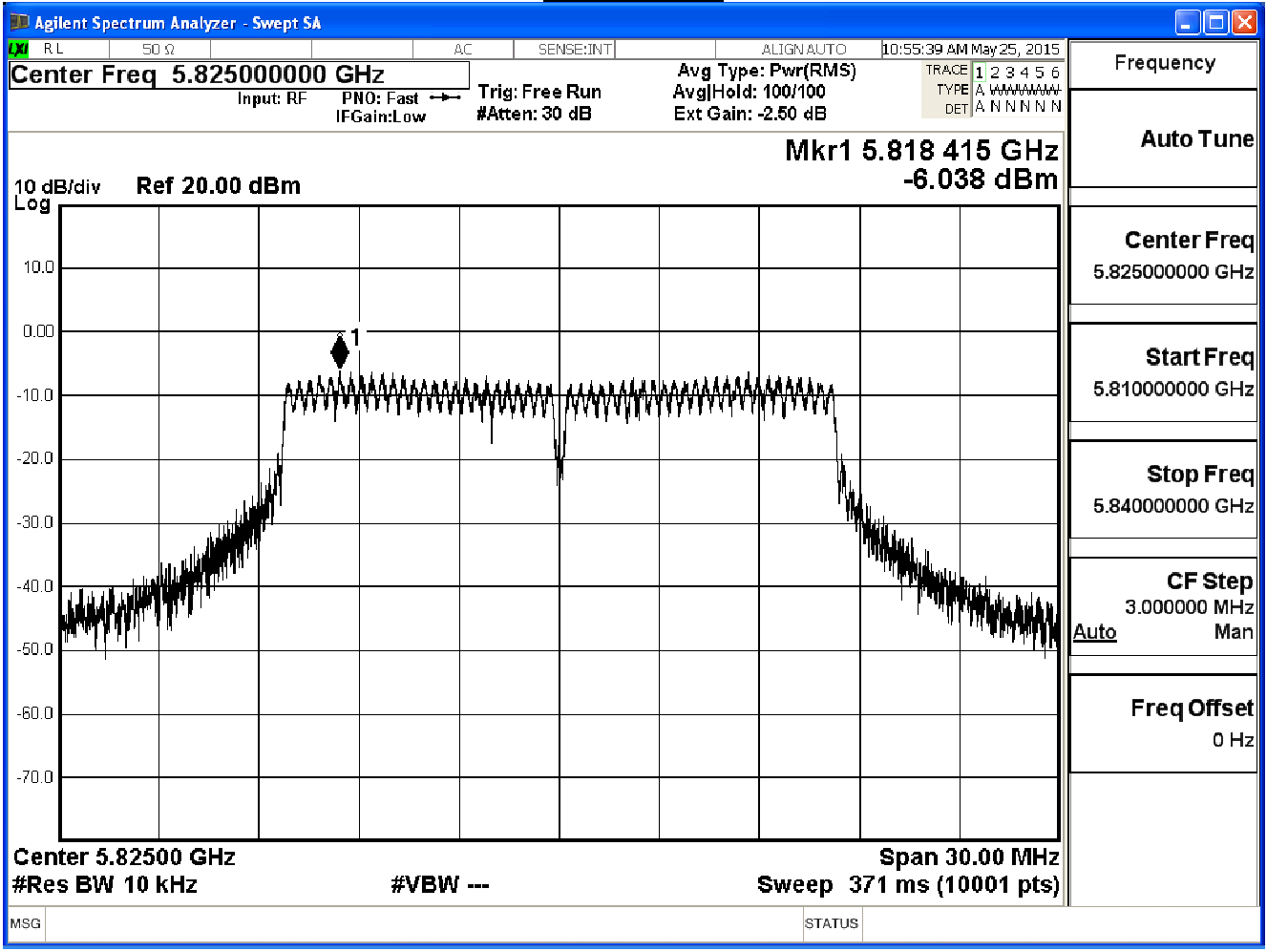




### Channel 157



### Channel 165

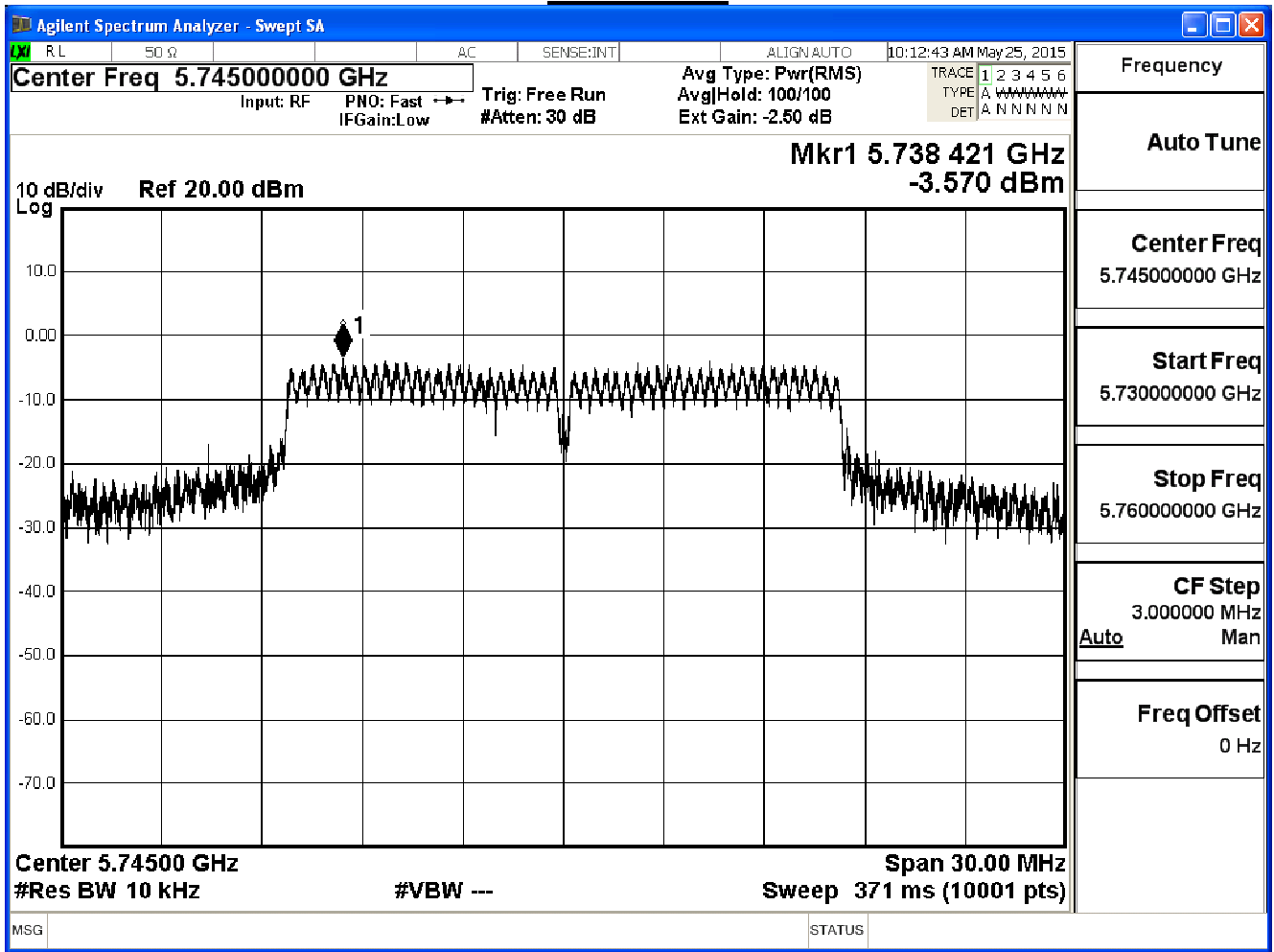


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

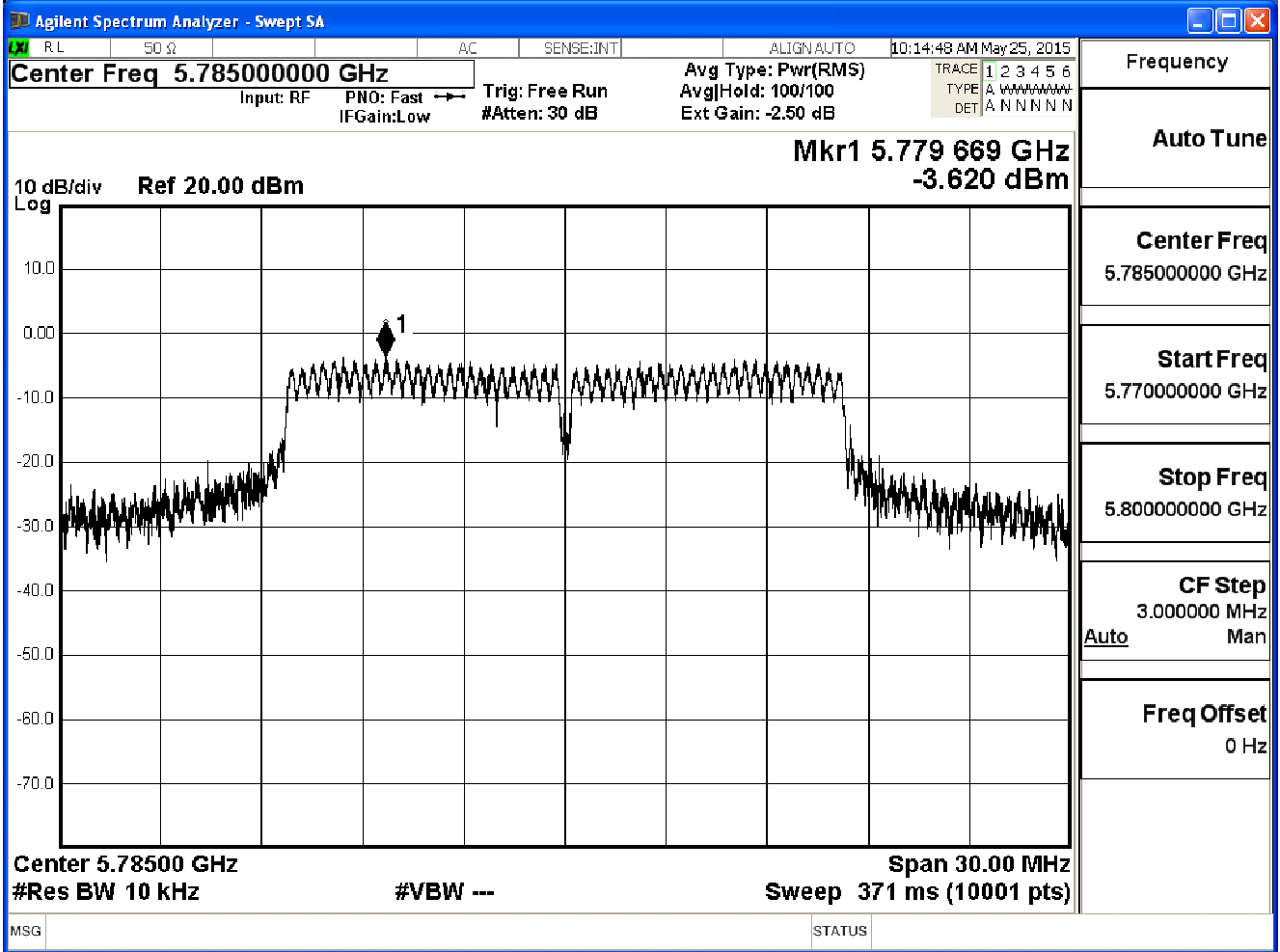
IEEE 802.11a (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.57	≤ 4.63	Pass
157	5785	-3.62	≤ 4.63	Pass
165	5825	-6.49	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

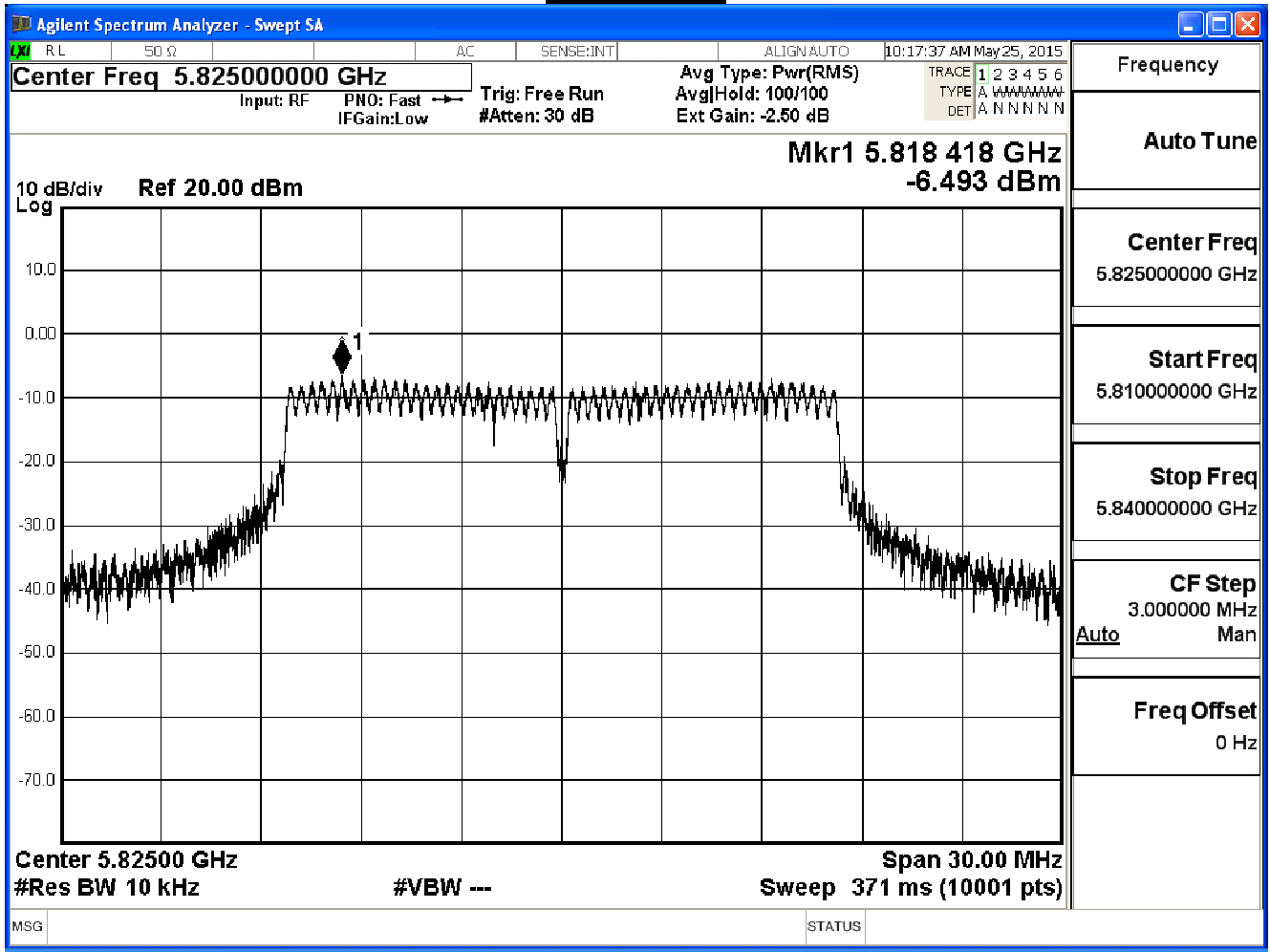
### Channel 149



### Channel 157



### Channel 165



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11a (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	1.24	≤ 4.63	Pass
157	5785	1.38	≤ 4.63	Pass
165	5825	-1.33	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$

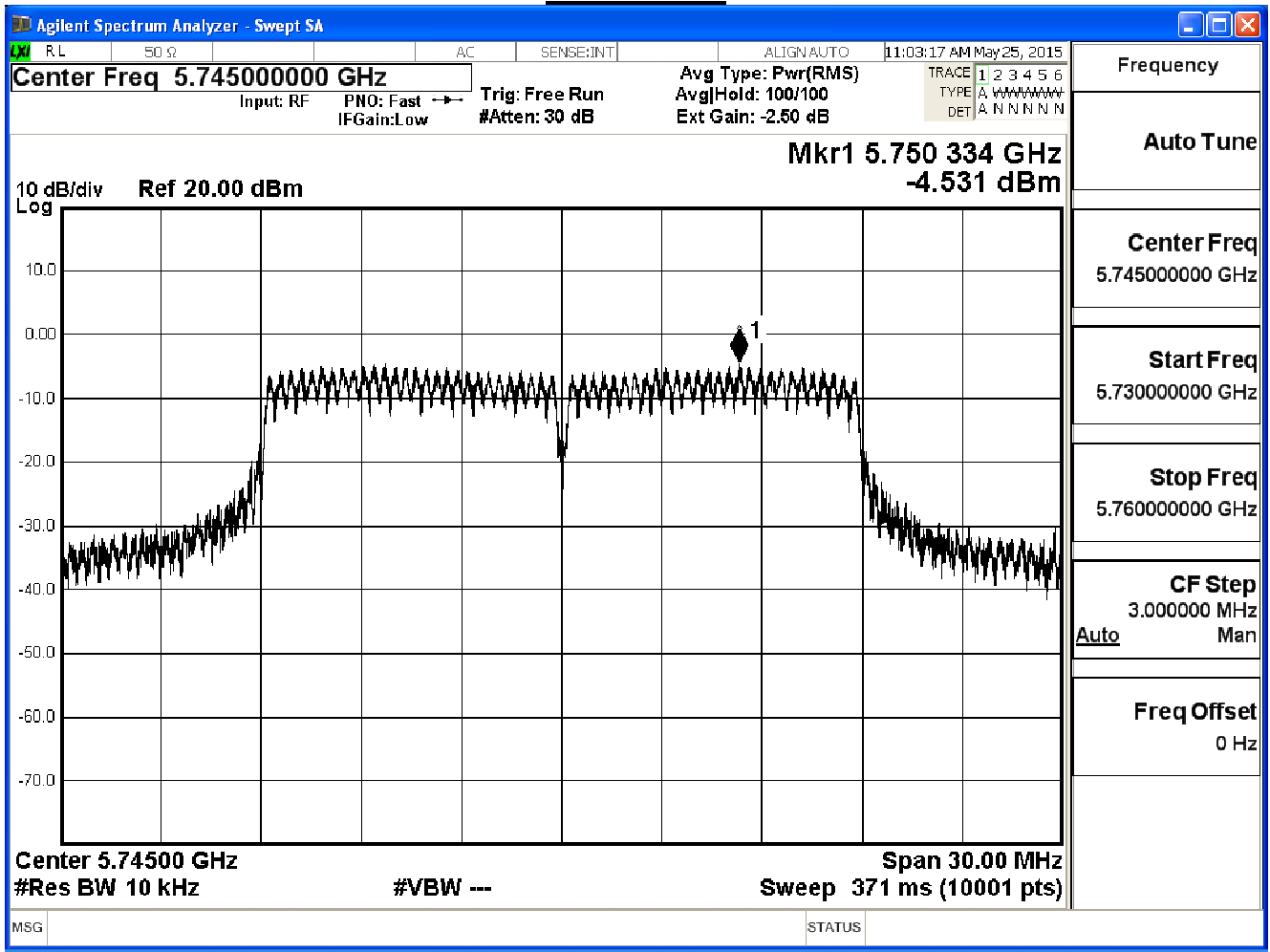
Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

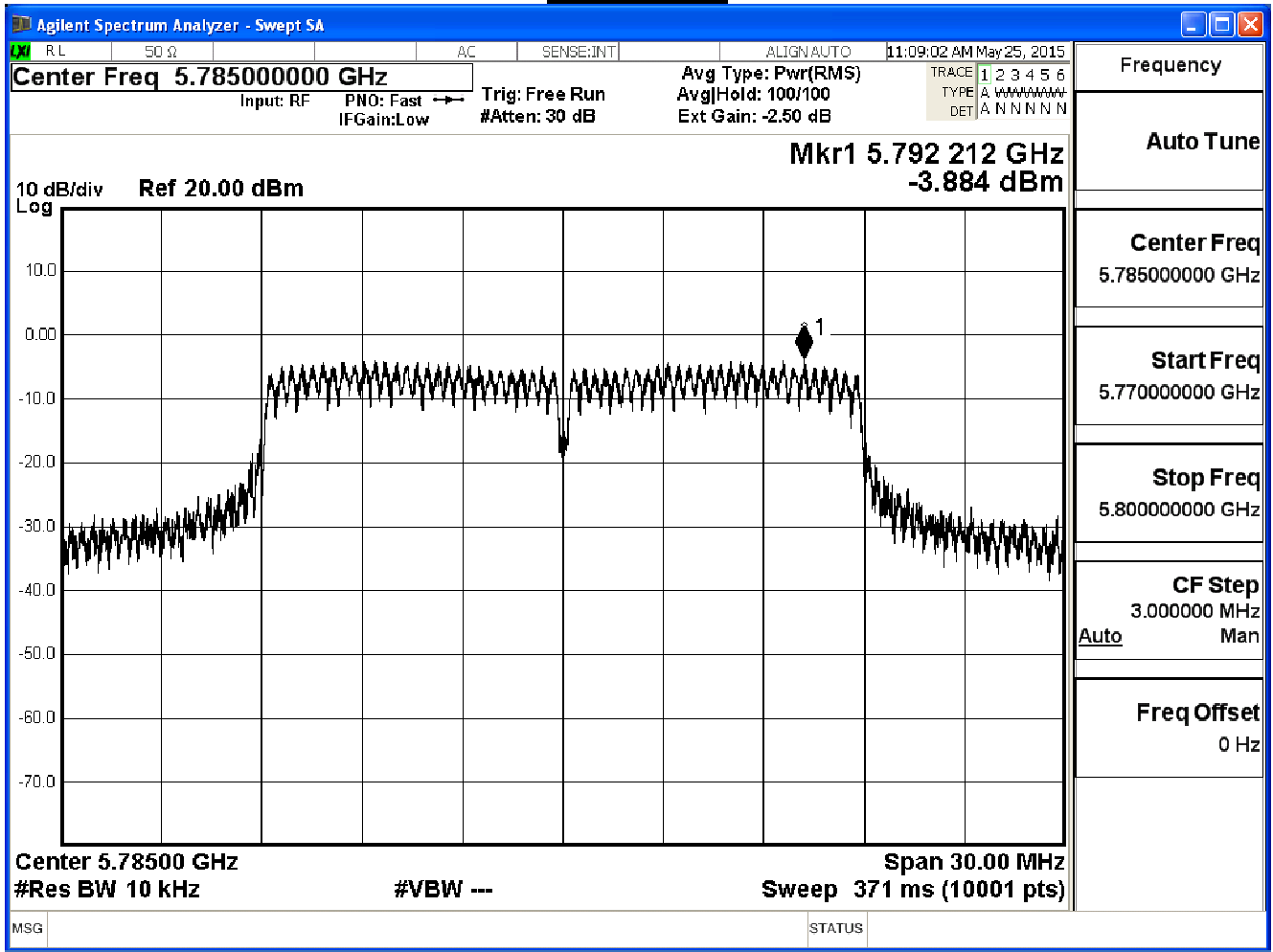
IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-4.53	≤ 4.63	Pass
157	5785	-3.88	≤ 4.63	Pass
165	5825	-5.68	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

### Channel 149

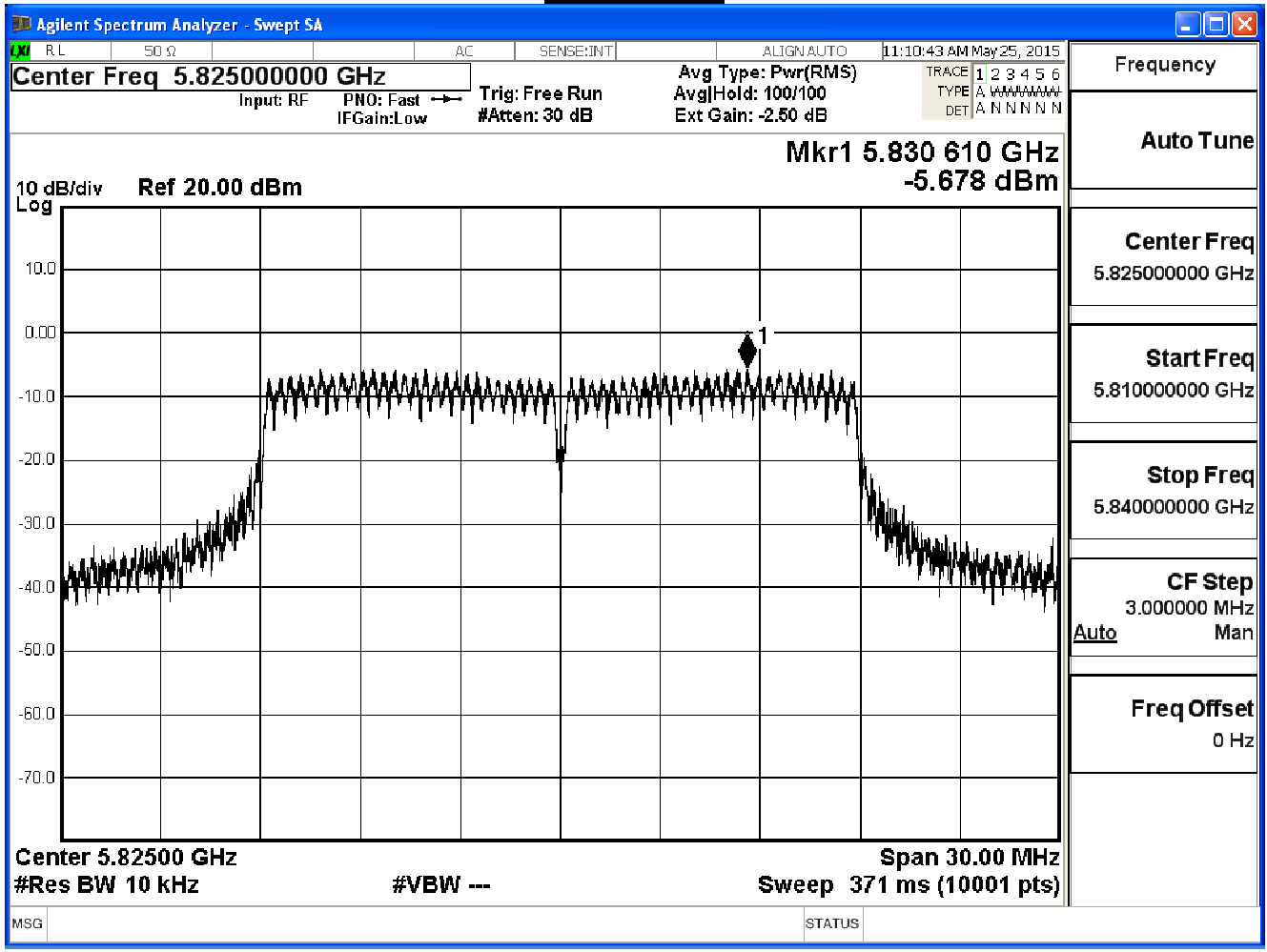


### Channel 157





### Channel 165



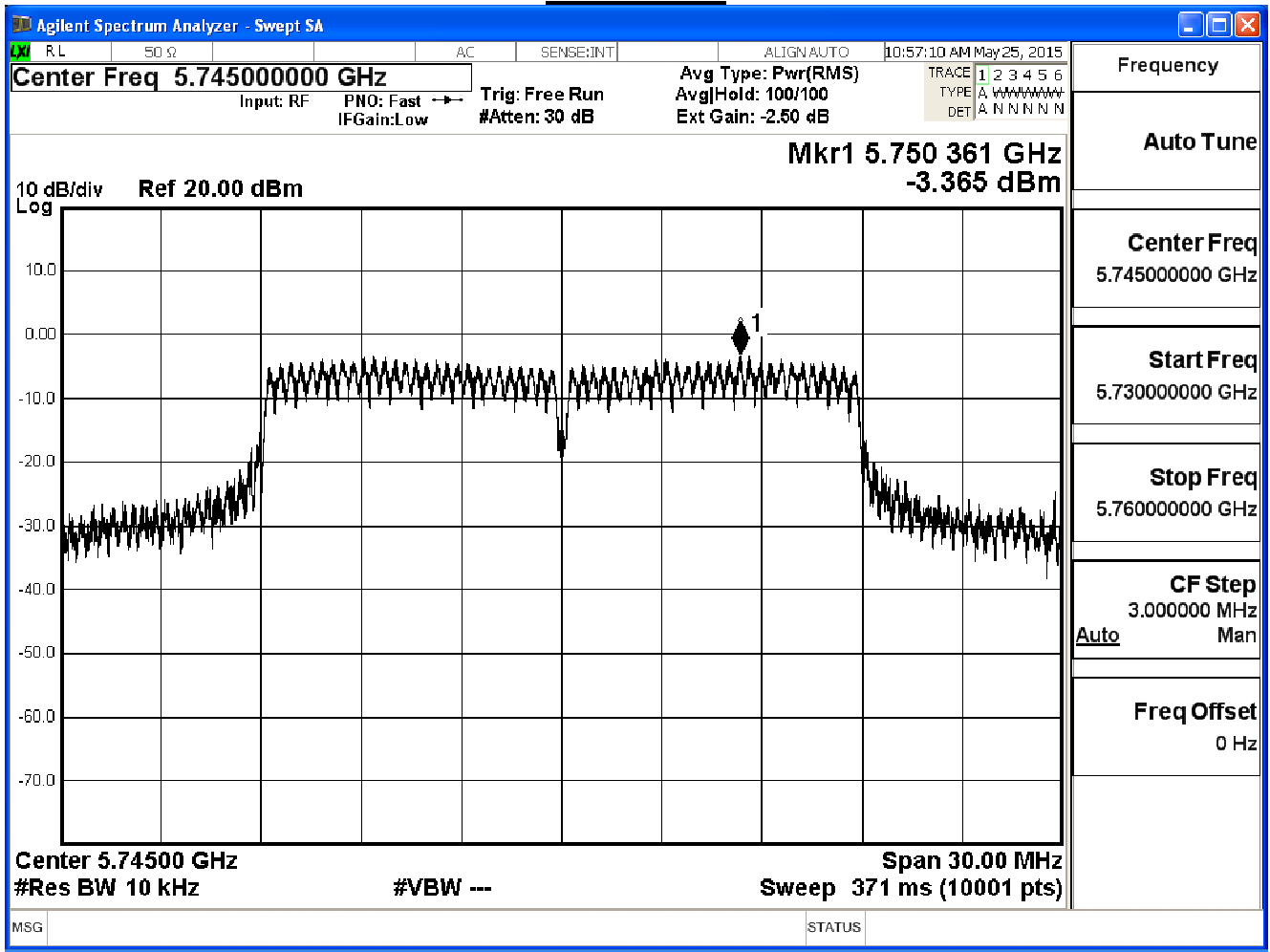
1

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.37	≤ 4.63	Pass
157	5785	-3.52	≤ 4.63	Pass
165	5825	-4.16	≤ 4.63	Pass

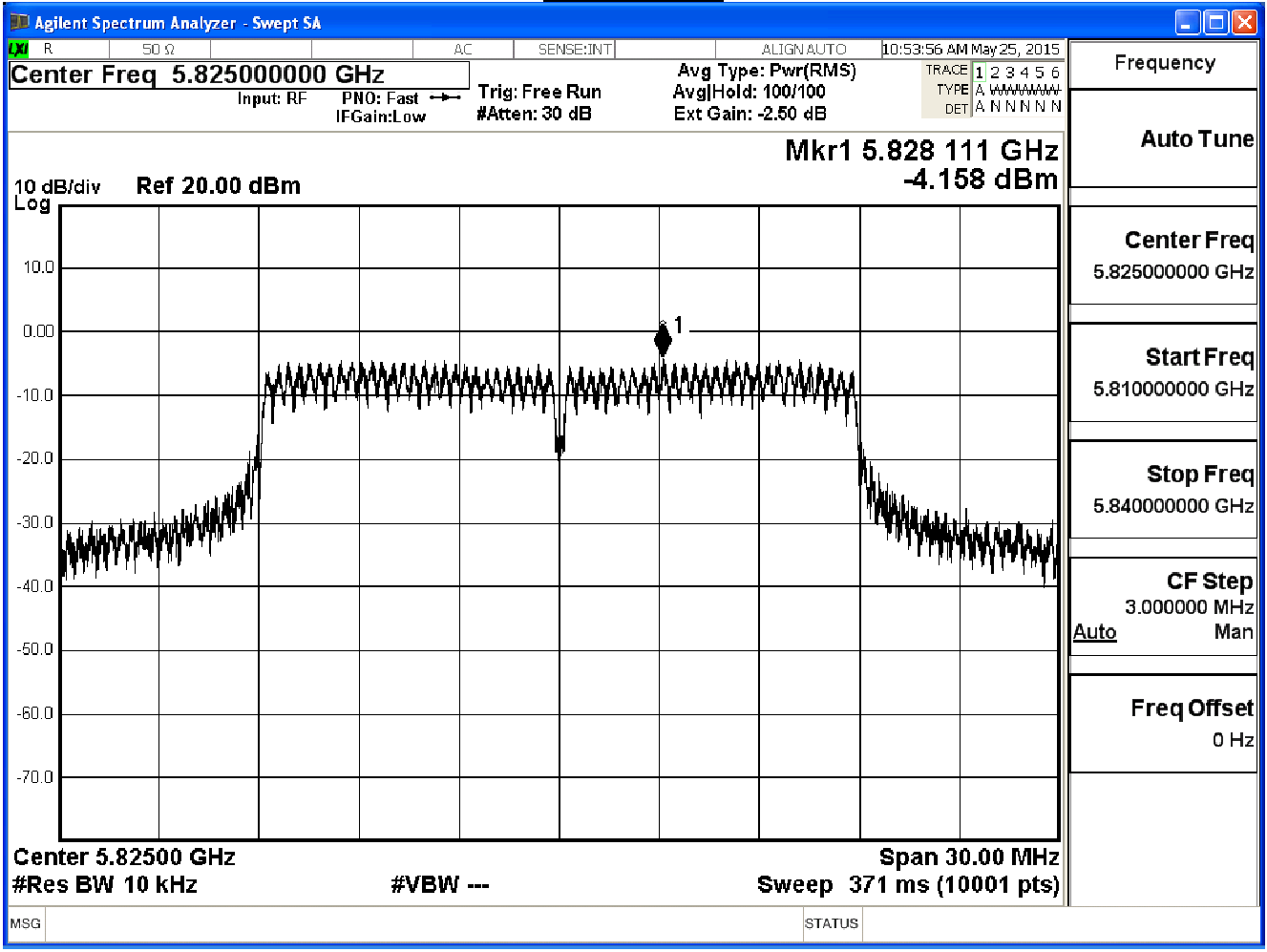
Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

**Channel 149**





**Channel 165**

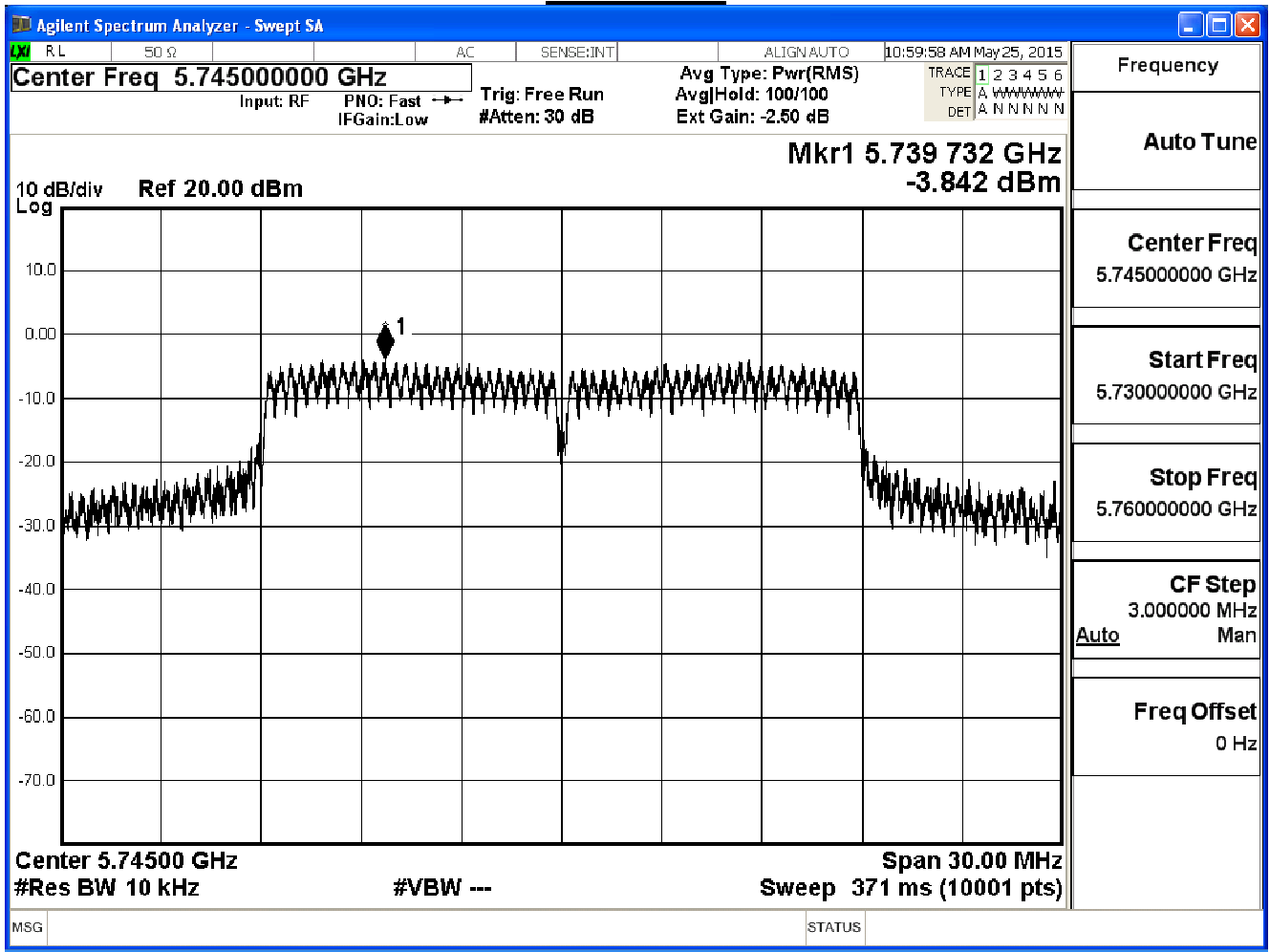


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.84	≤ 4.63	Pass
157	5785	-3.80	≤ 4.63	Pass
165	5825	-5.20	≤ 4.63	Pass

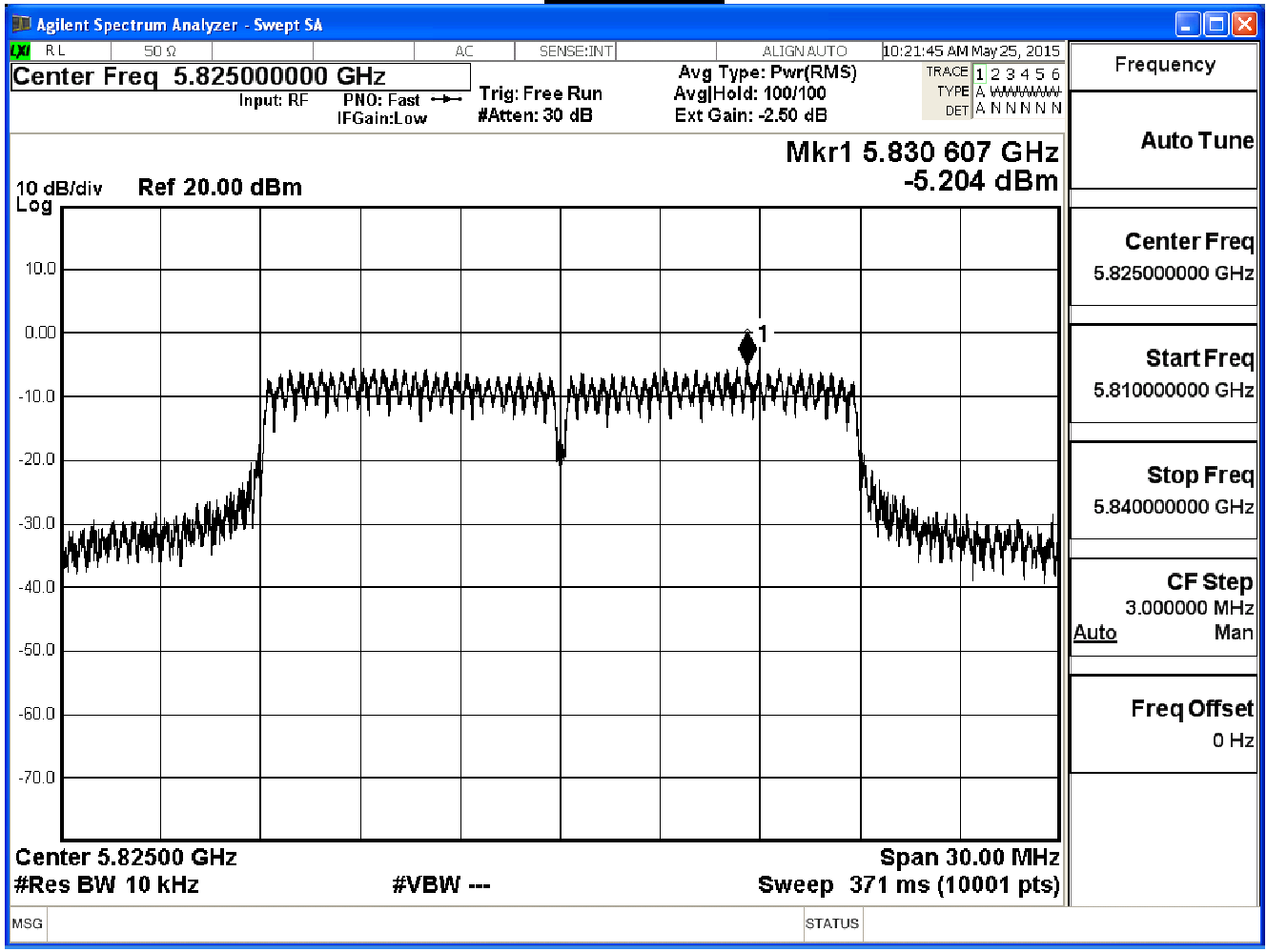
Directional Antenna:  $10\log(\text{Ant } N) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

### Channel 149





### Channel 165



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	0.88	≤ 4.63	Pass
157	5785	1.04	≤ 4.63	Pass
165	5825	-0.19	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$

Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

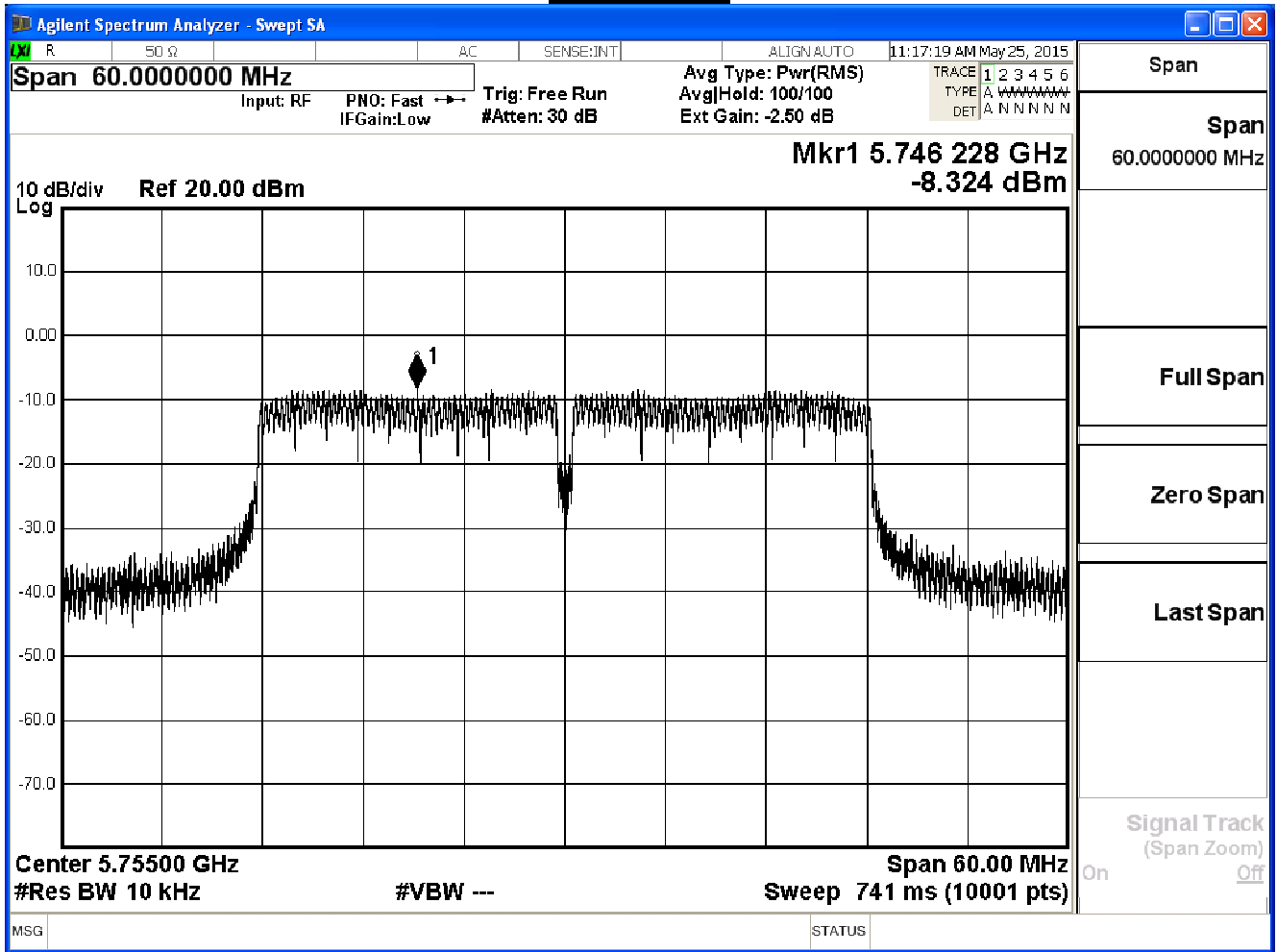


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

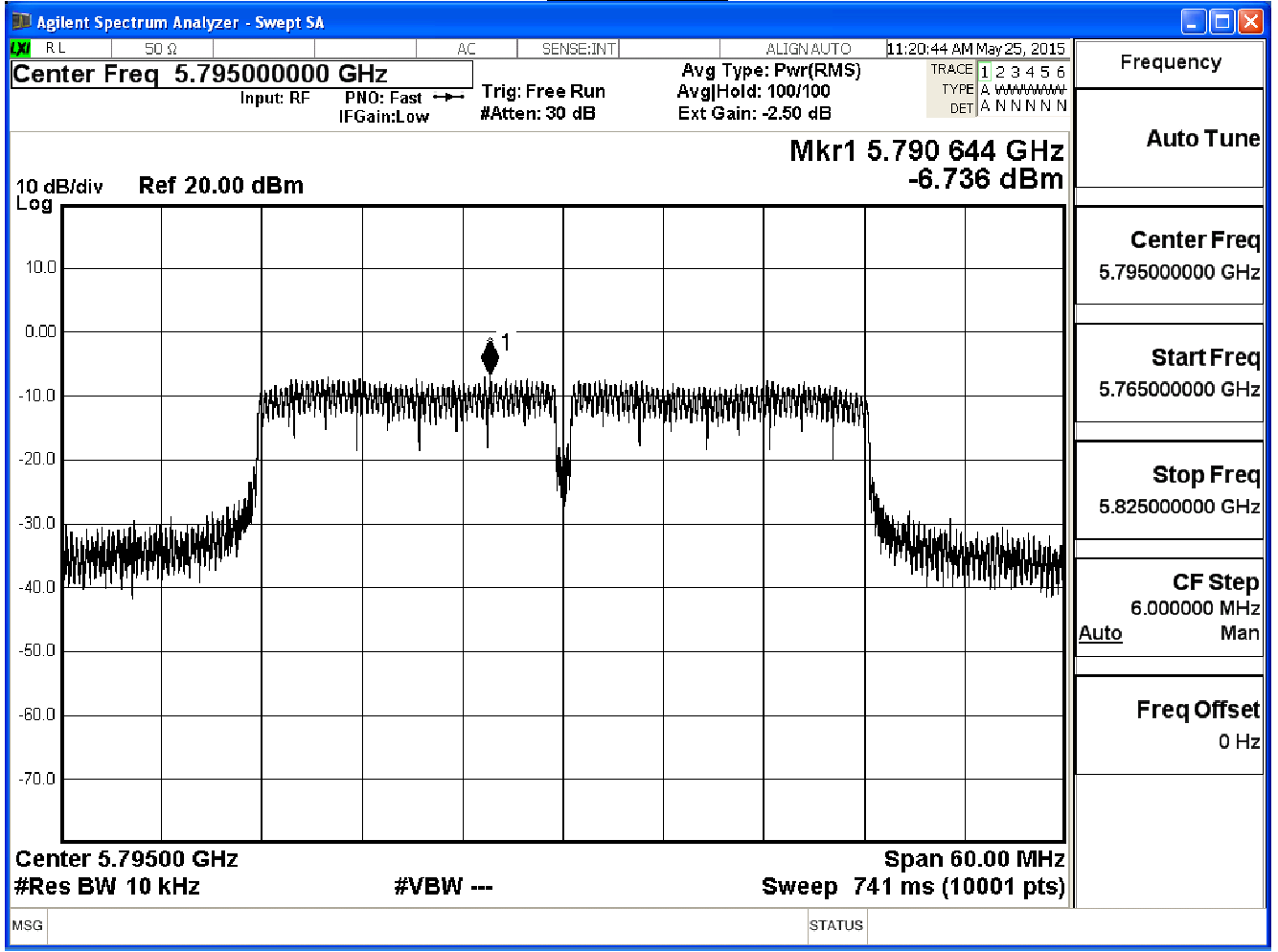
IEEE 802.11n_40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-8.32	≤ 4.63	Pass
159	5795	-6.74	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

### Channel 151



### Channel 159

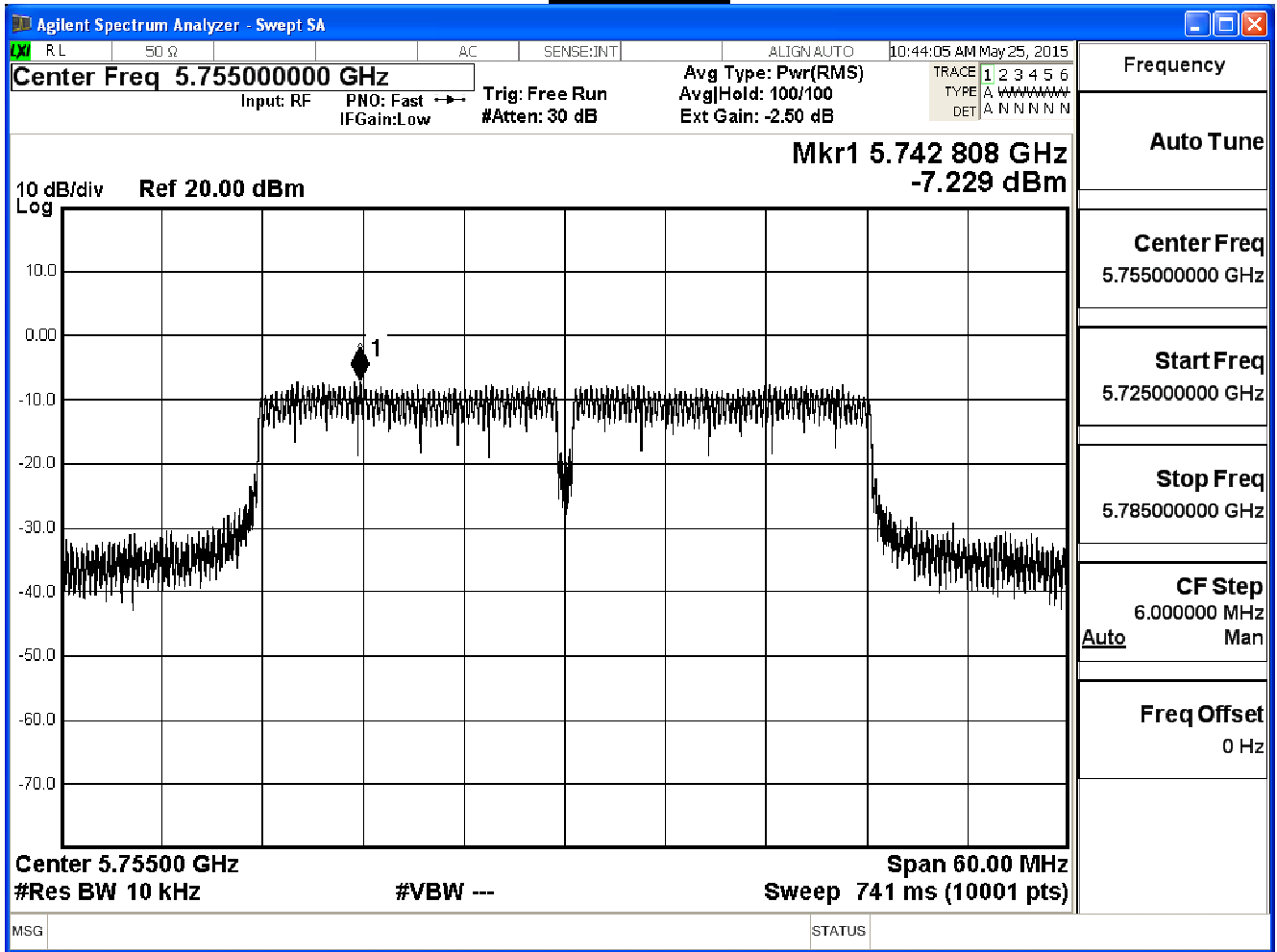


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

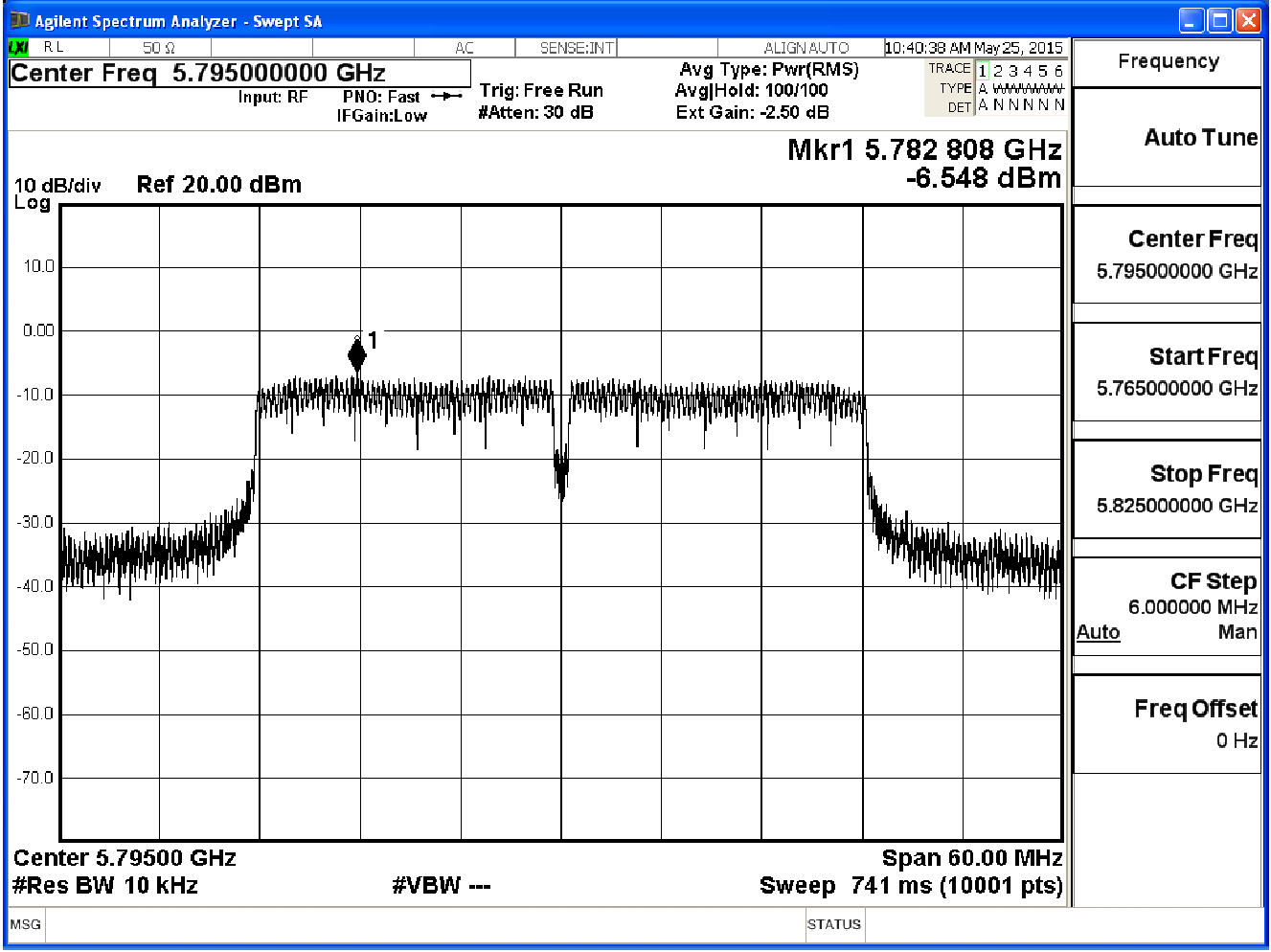
IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-7.23	≤ 4.63	Pass
159	5795	-6.55	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

### Channel 151



### Channel 159







Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-3.04	≤ 4.63	Pass
159	5795	-1.89	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$

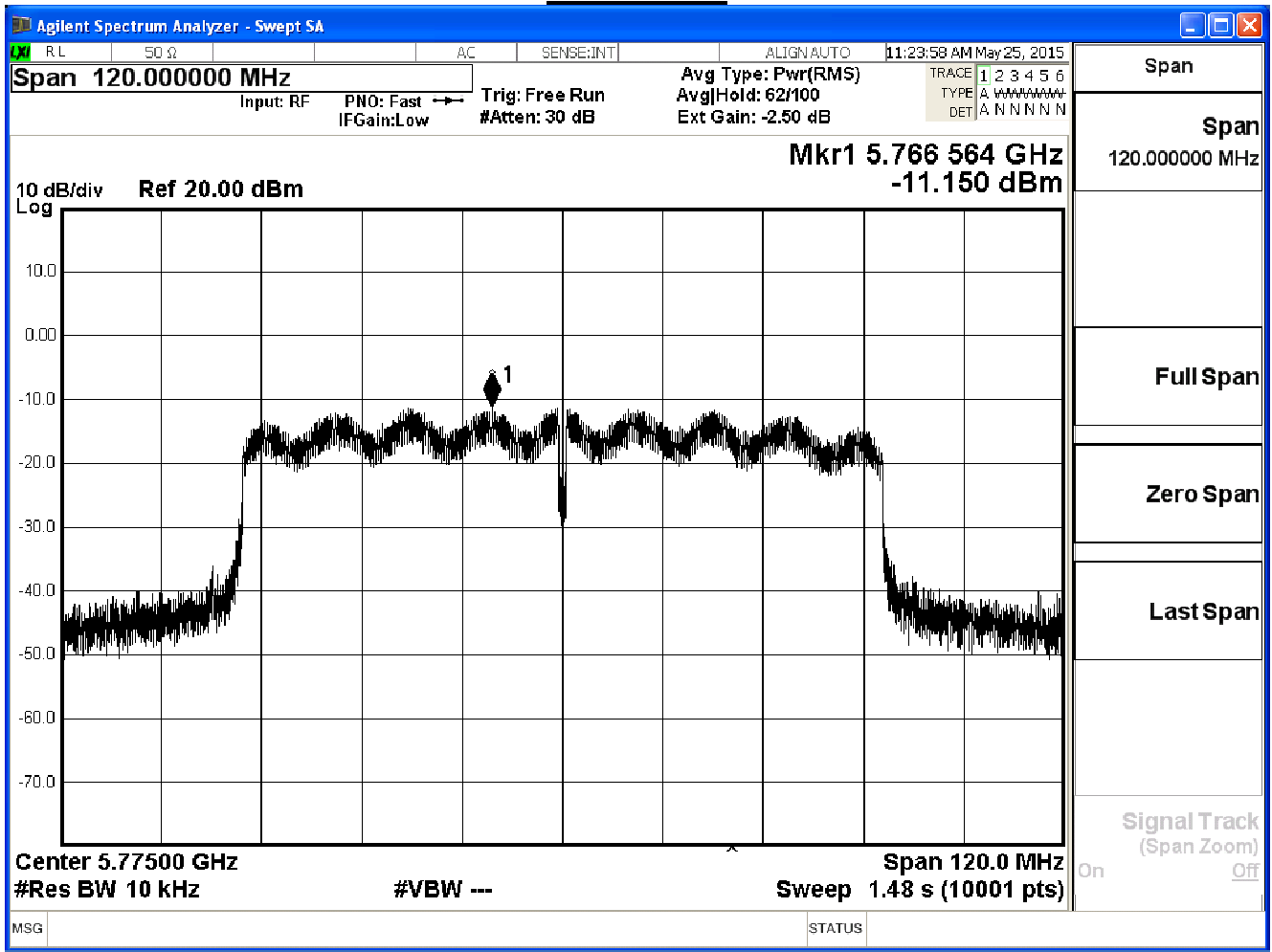
Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-11.15	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

### Channel 155



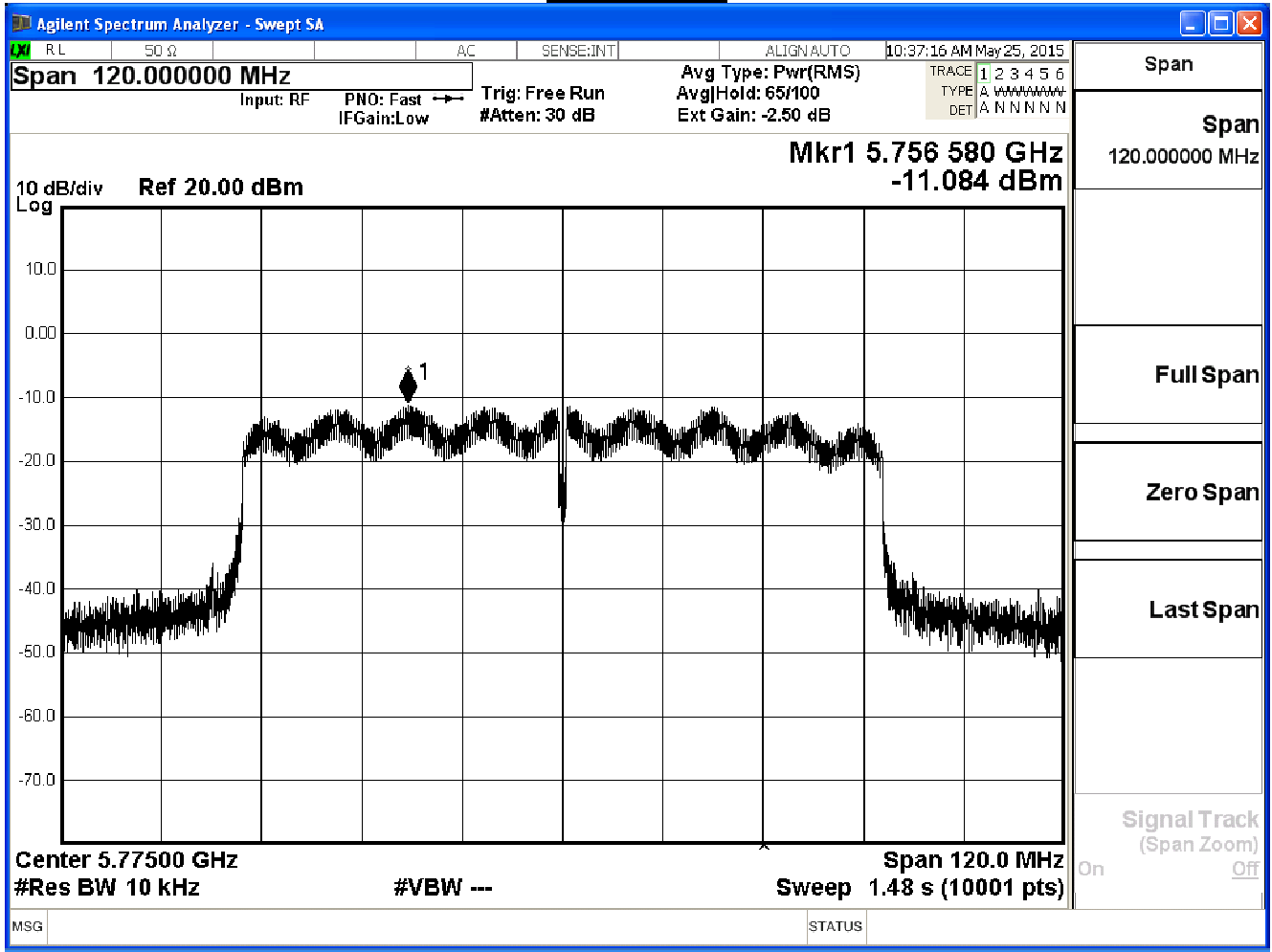


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-11.08	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

**Channel 155**



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-11.79	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

### Channel 155

