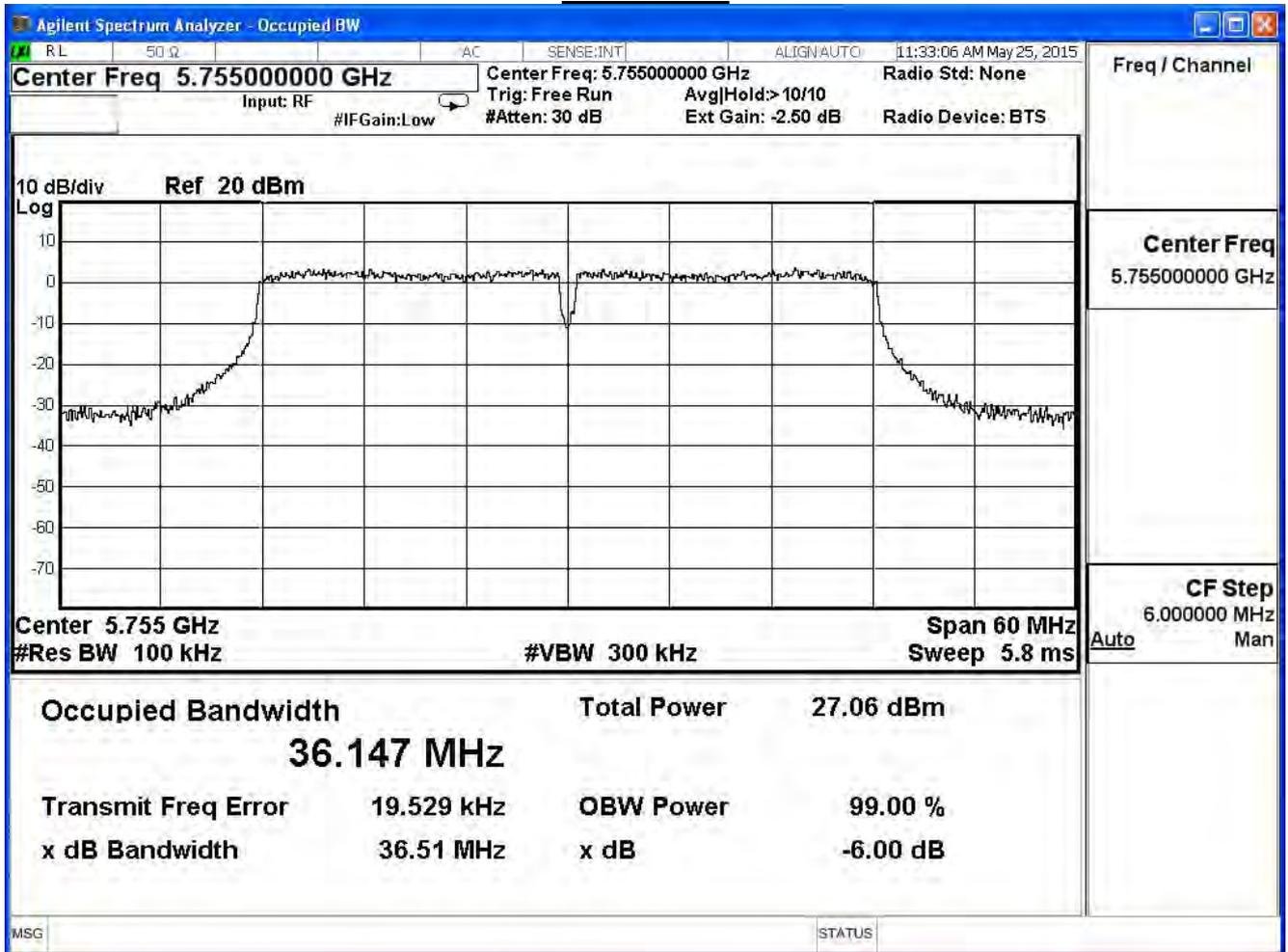


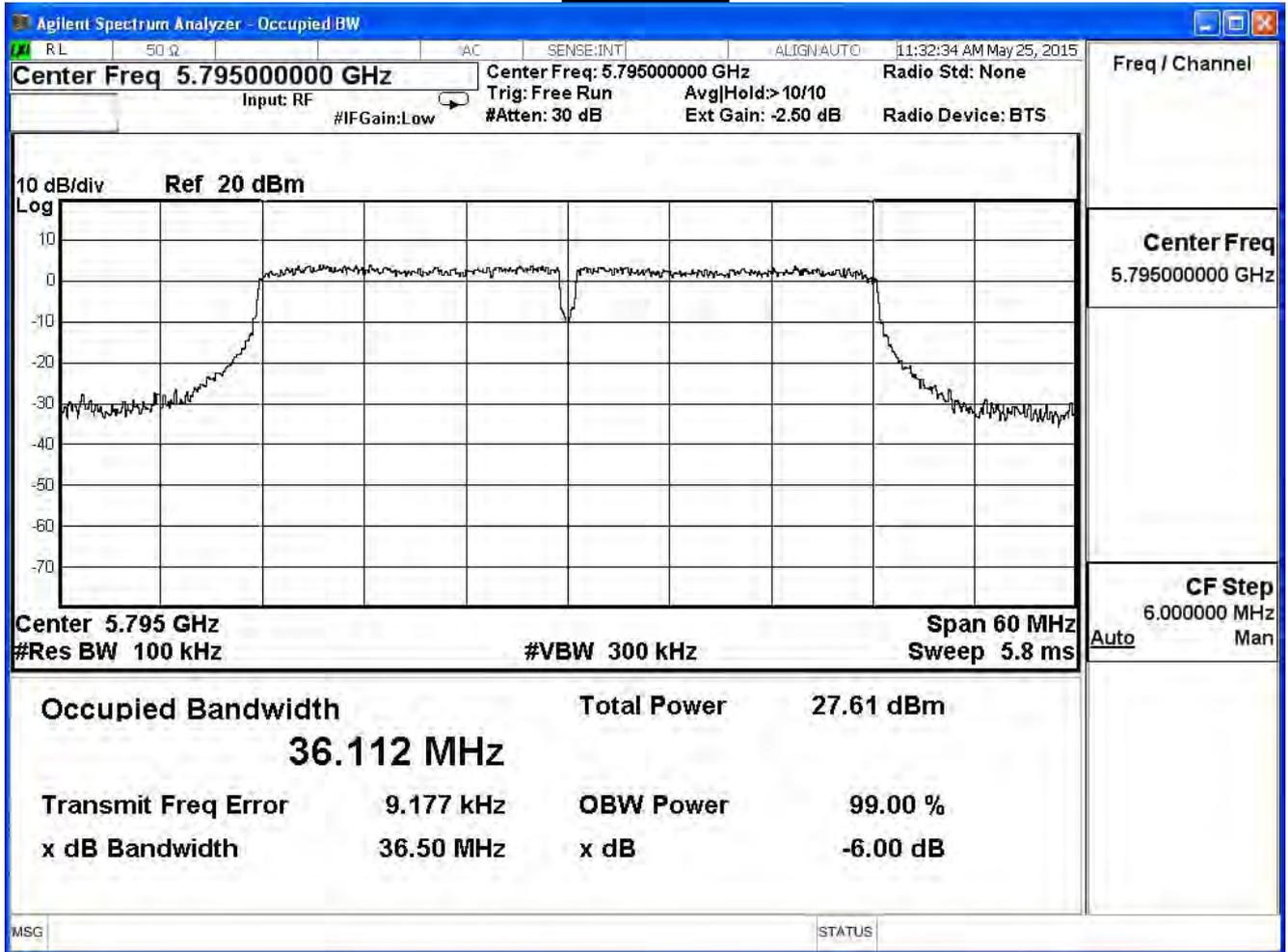
Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.51	≥ 0.5	Pass
159	5795	36.50	≥ 0.5	Pass

Channel 151



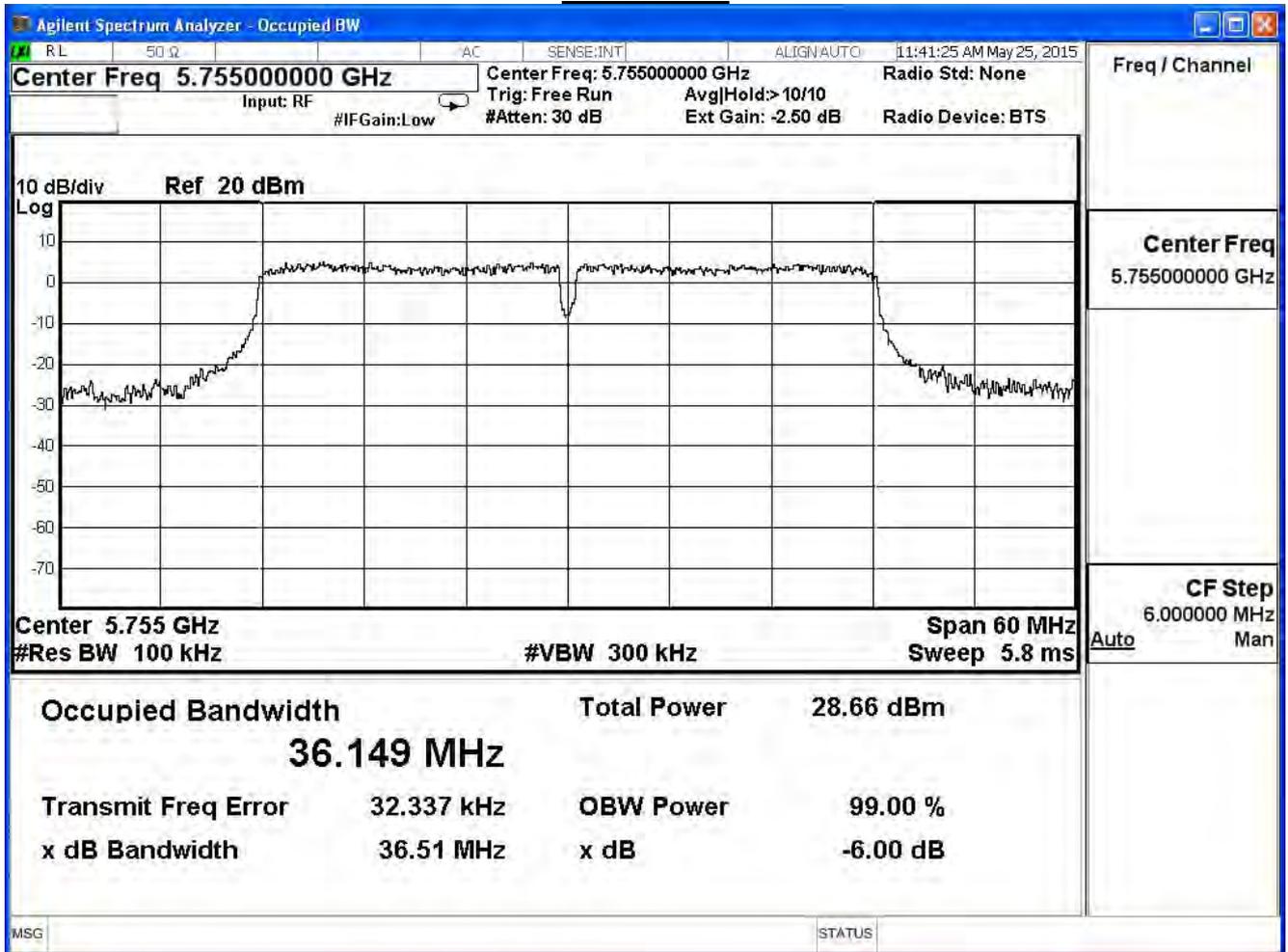
Channel 159



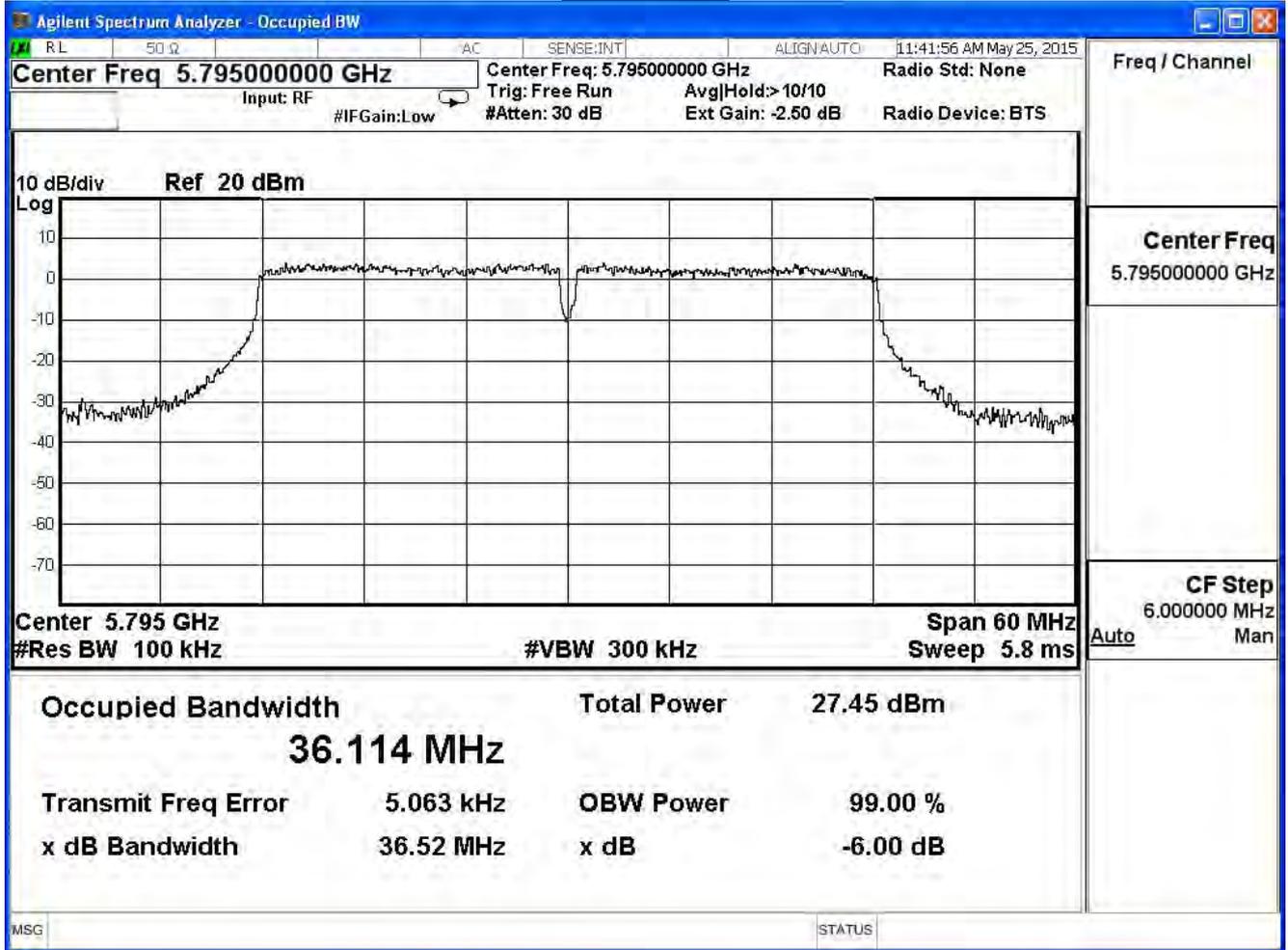
Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.51	≥ 0.5	Pass
159	5795	36.52	≥ 0.5	Pass

Channel 151



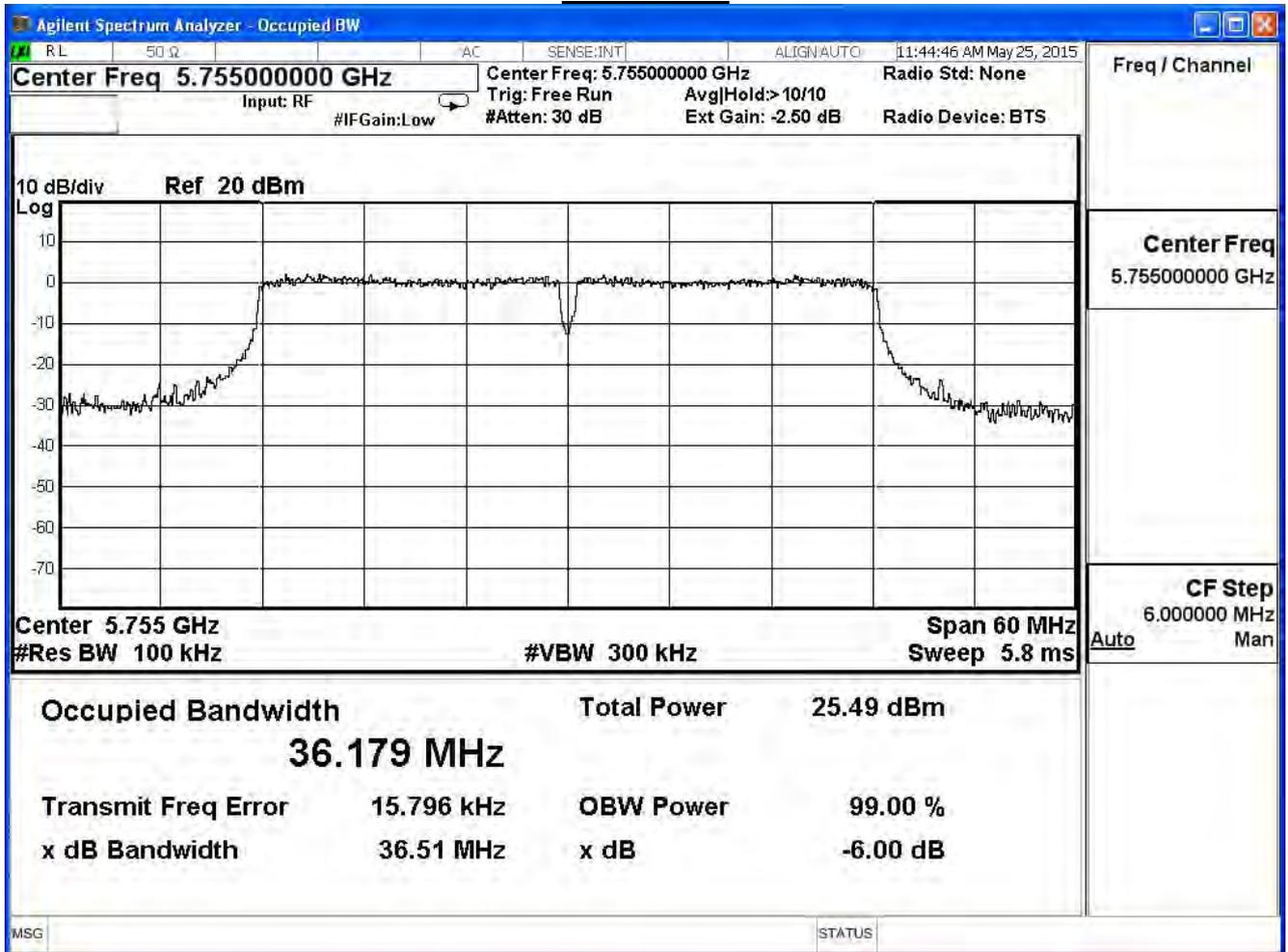
Channel 159



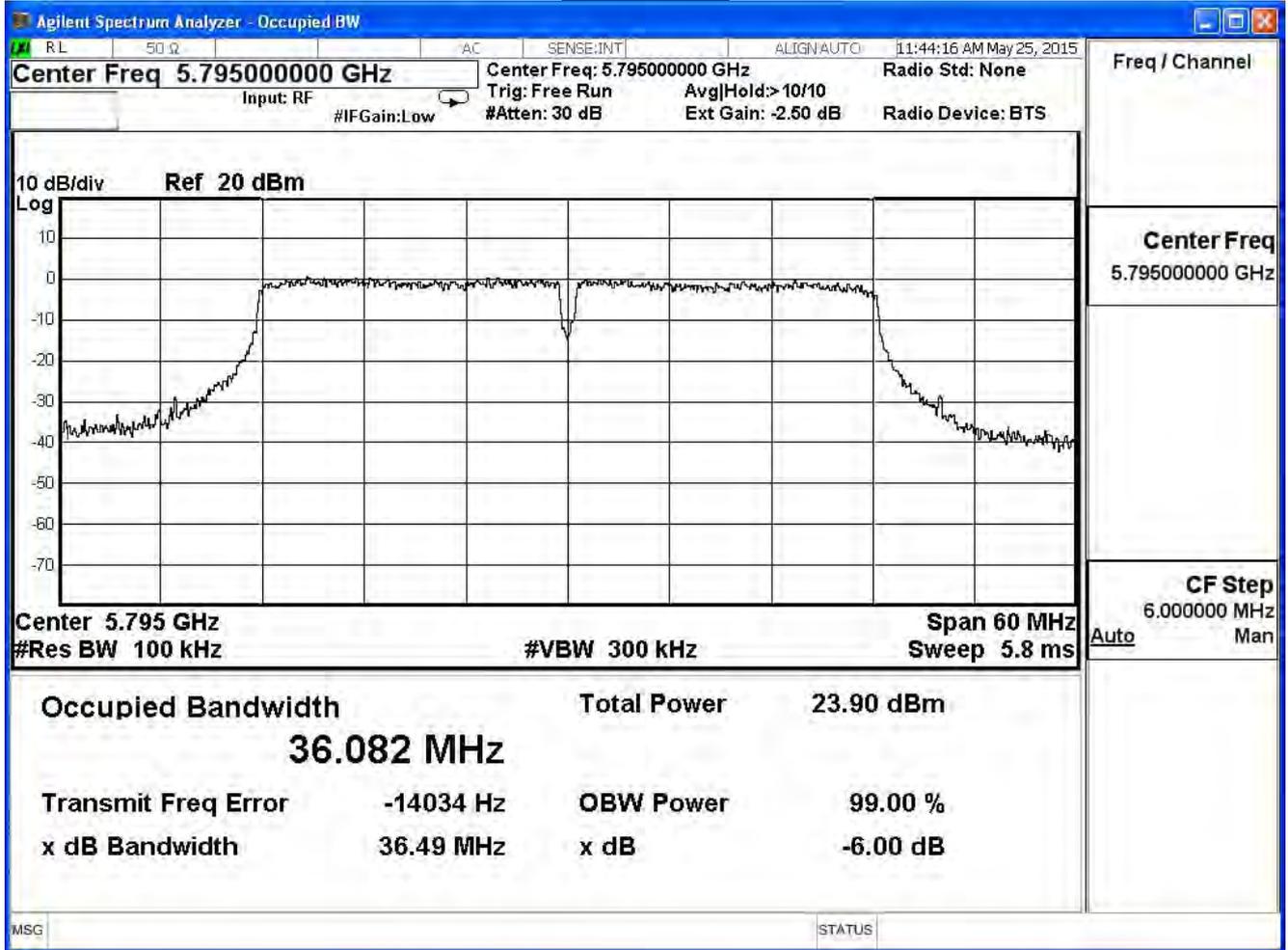
Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.51	≥ 0.5	Pass
159	5795	36.49	≥ 0.5	Pass

Channel 151



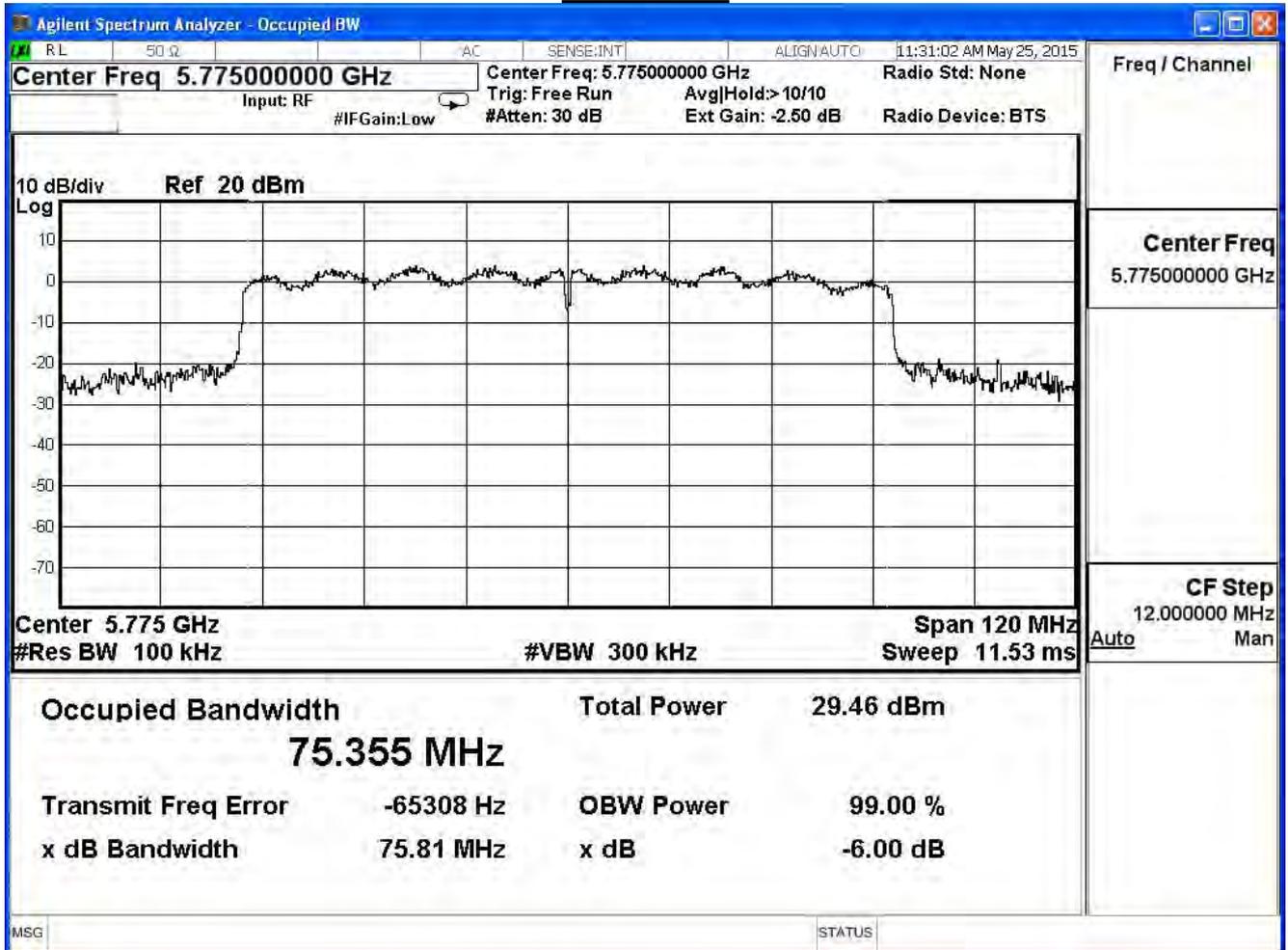
Channel 159



Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
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

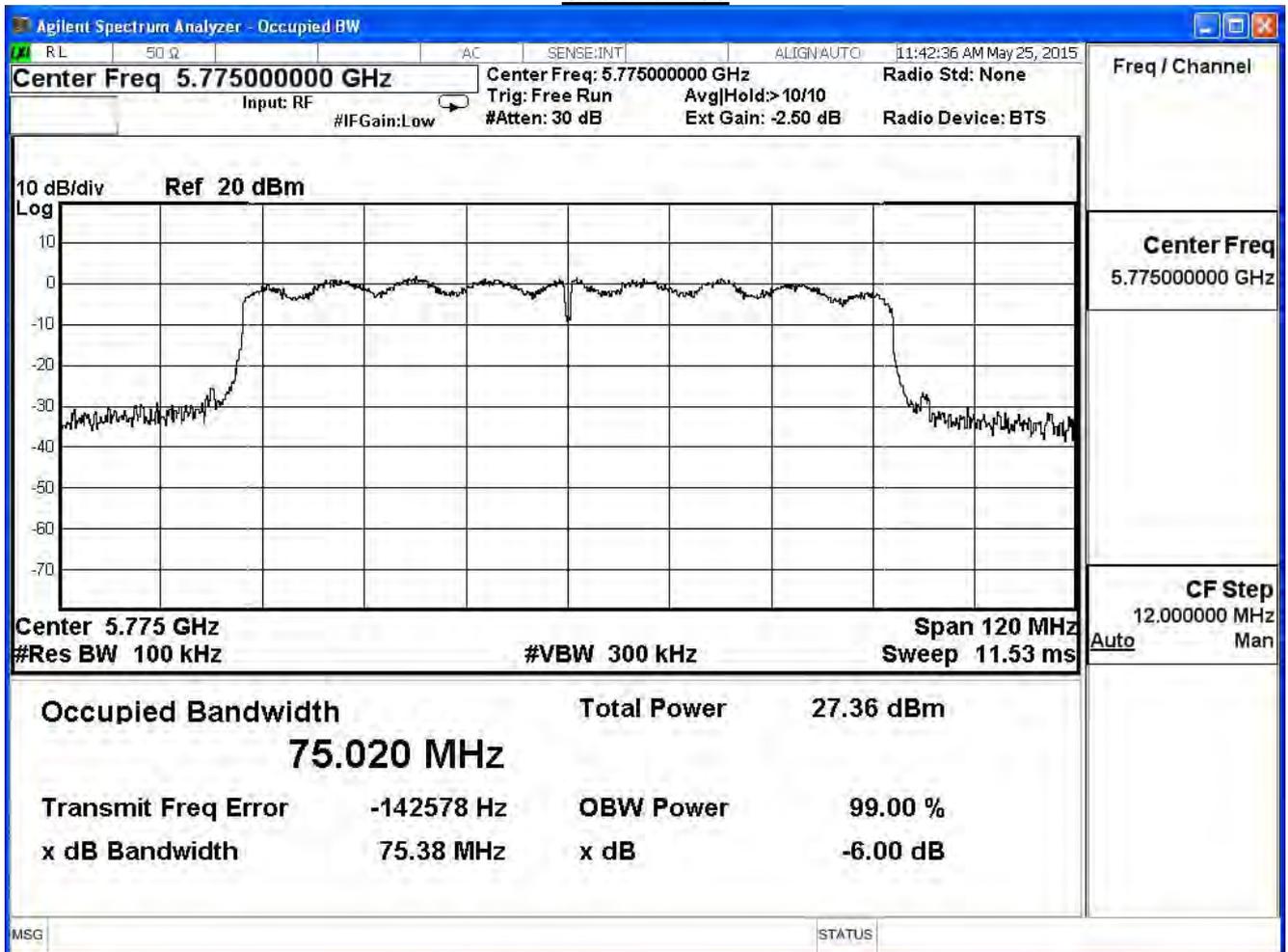
Channel 155



Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
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

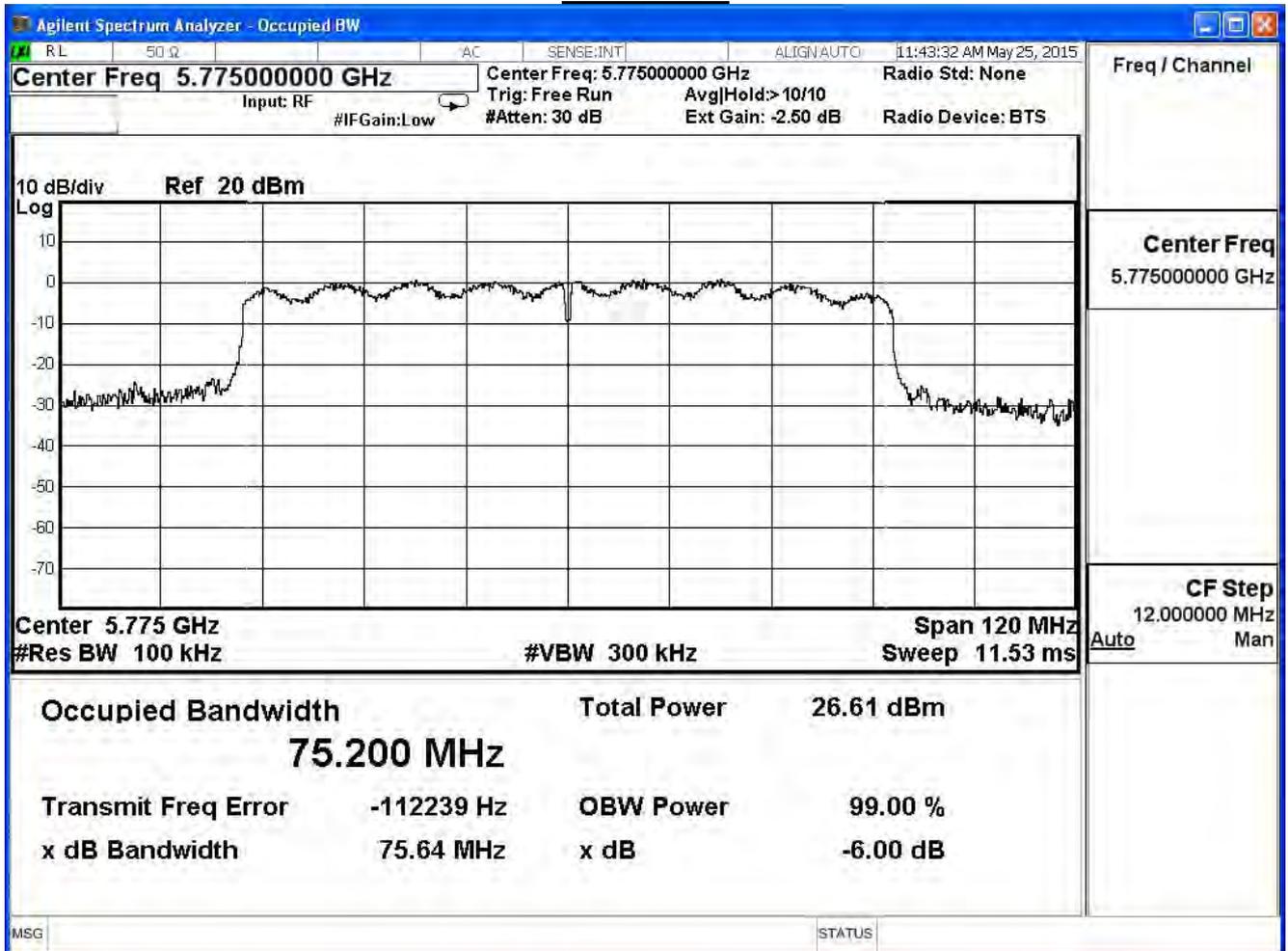
Channel 155



Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
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

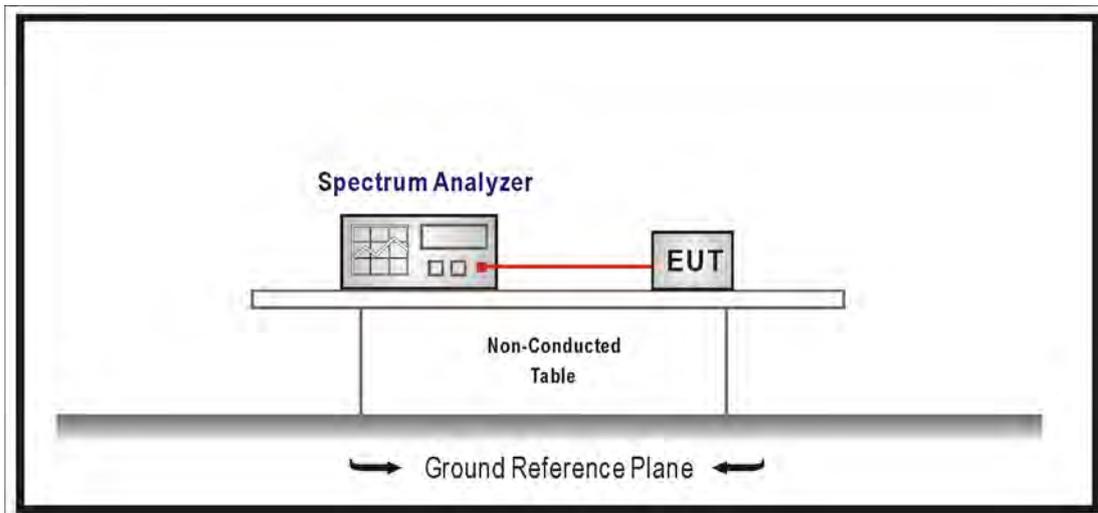
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/08/23

Note: 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 $\pm 150\text{Hz}$

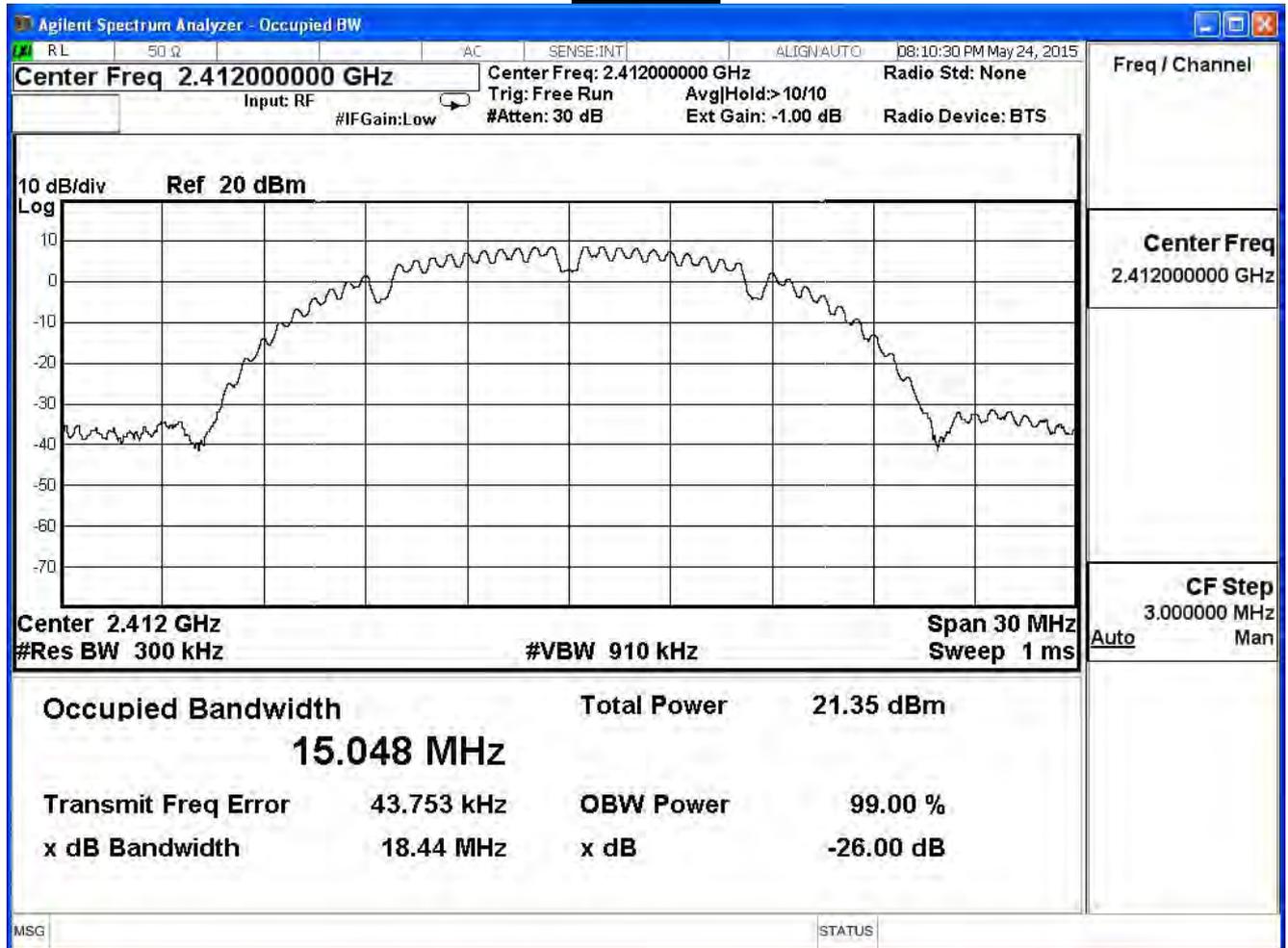
8.7. Test Result

Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/24	Test Site	SR7

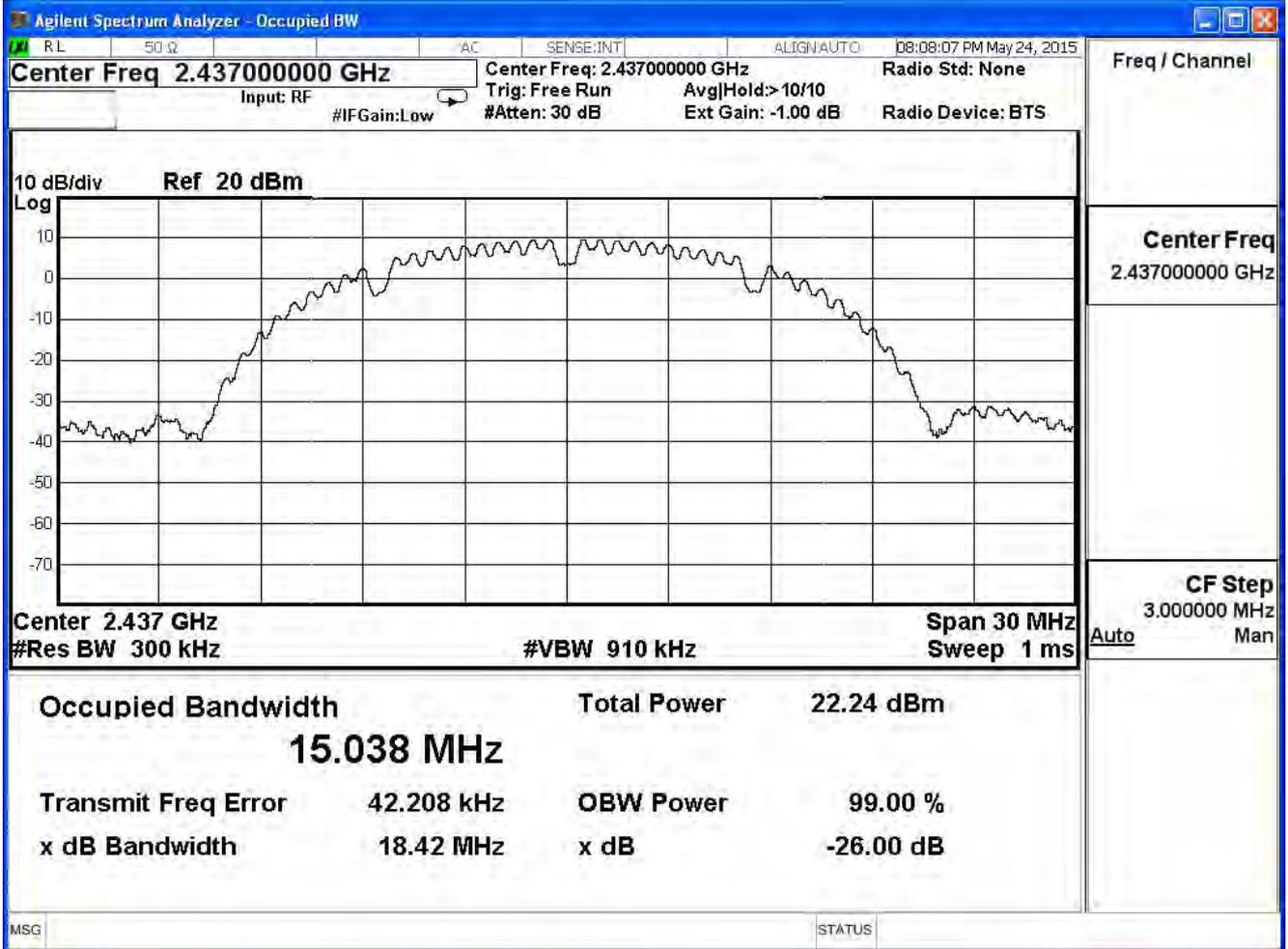
802.11 b (ANT 0)

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

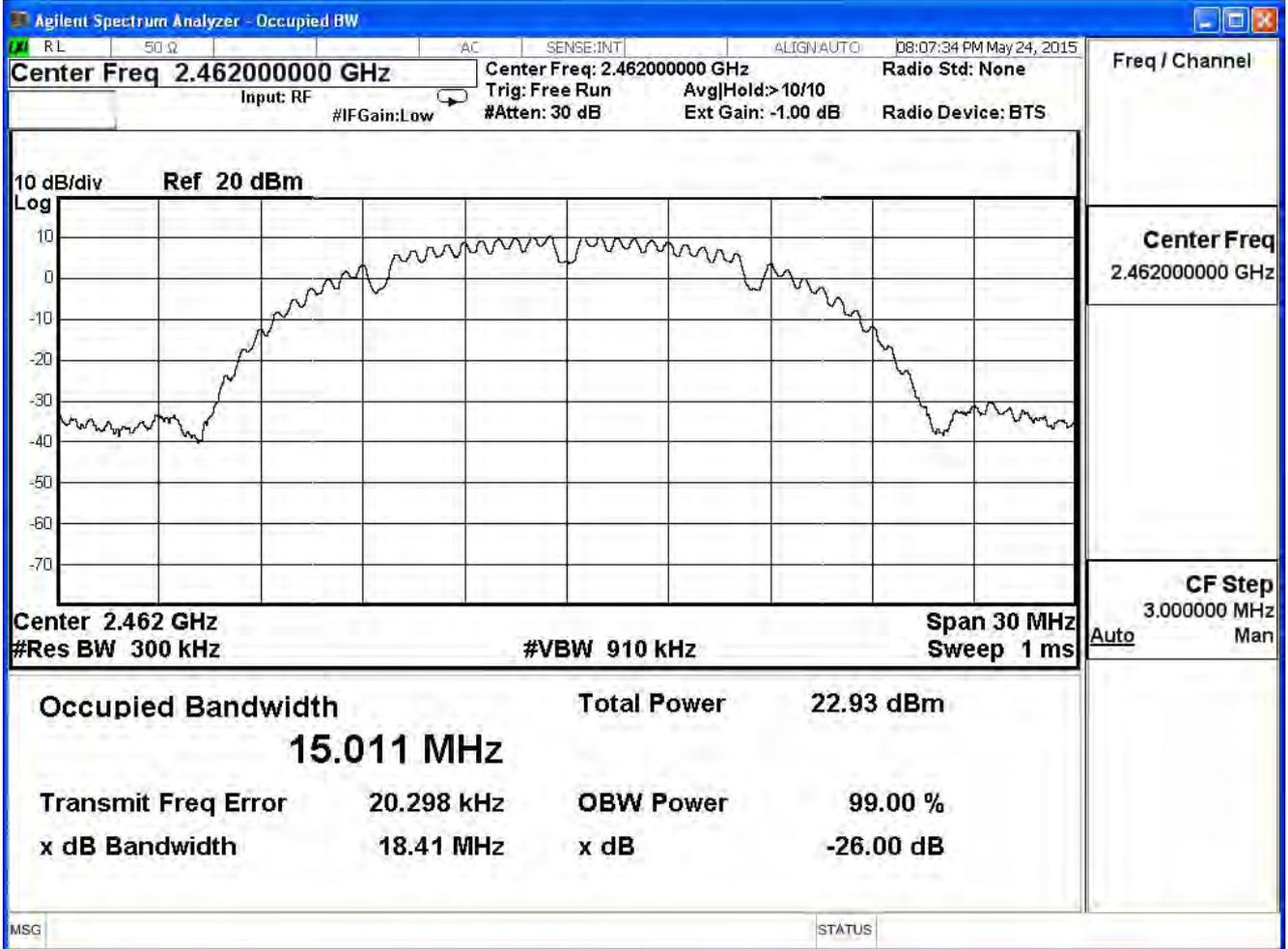
Channel 1



Channel 6



Channel 11

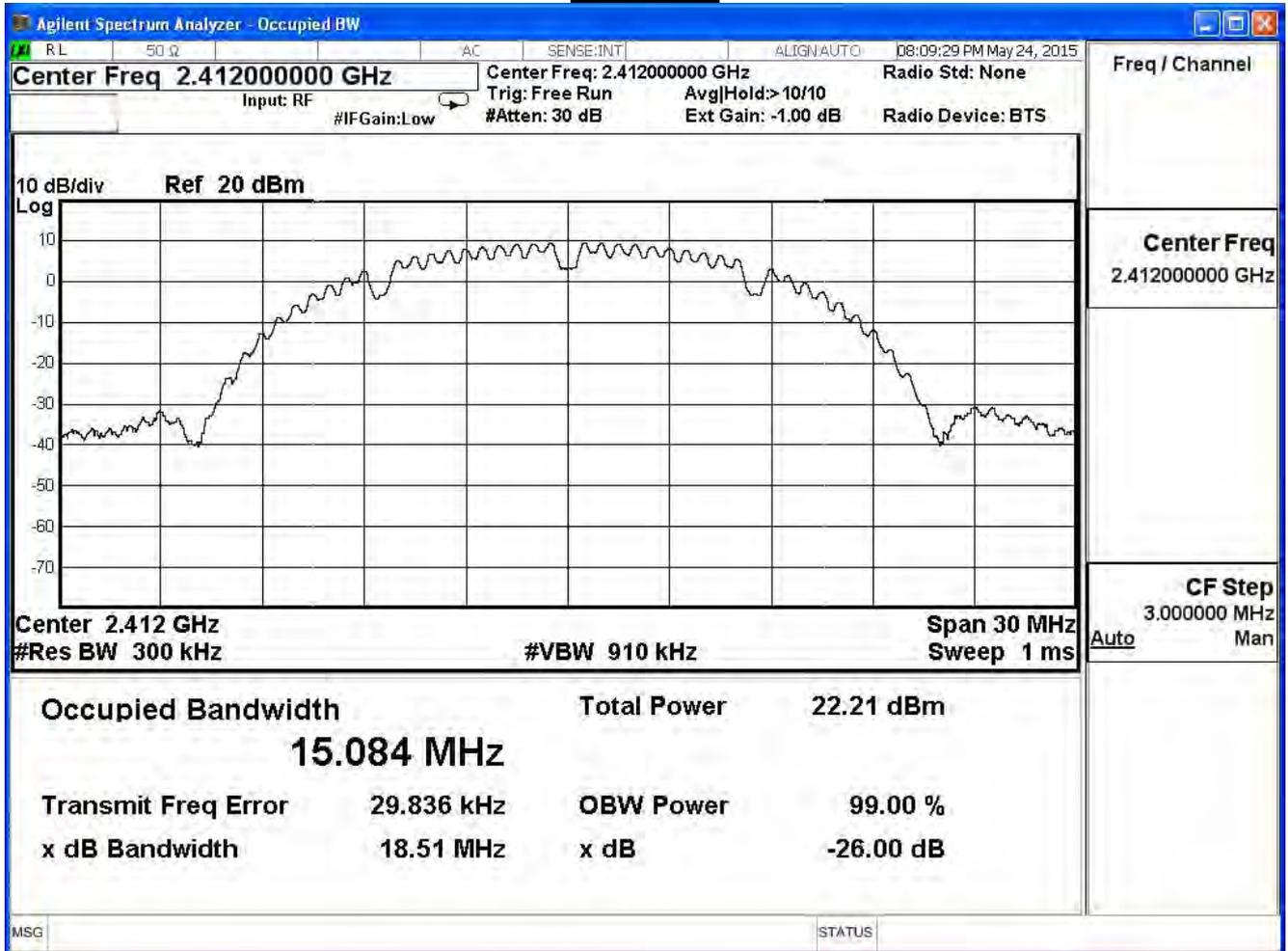


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/24	Test Site	SR7

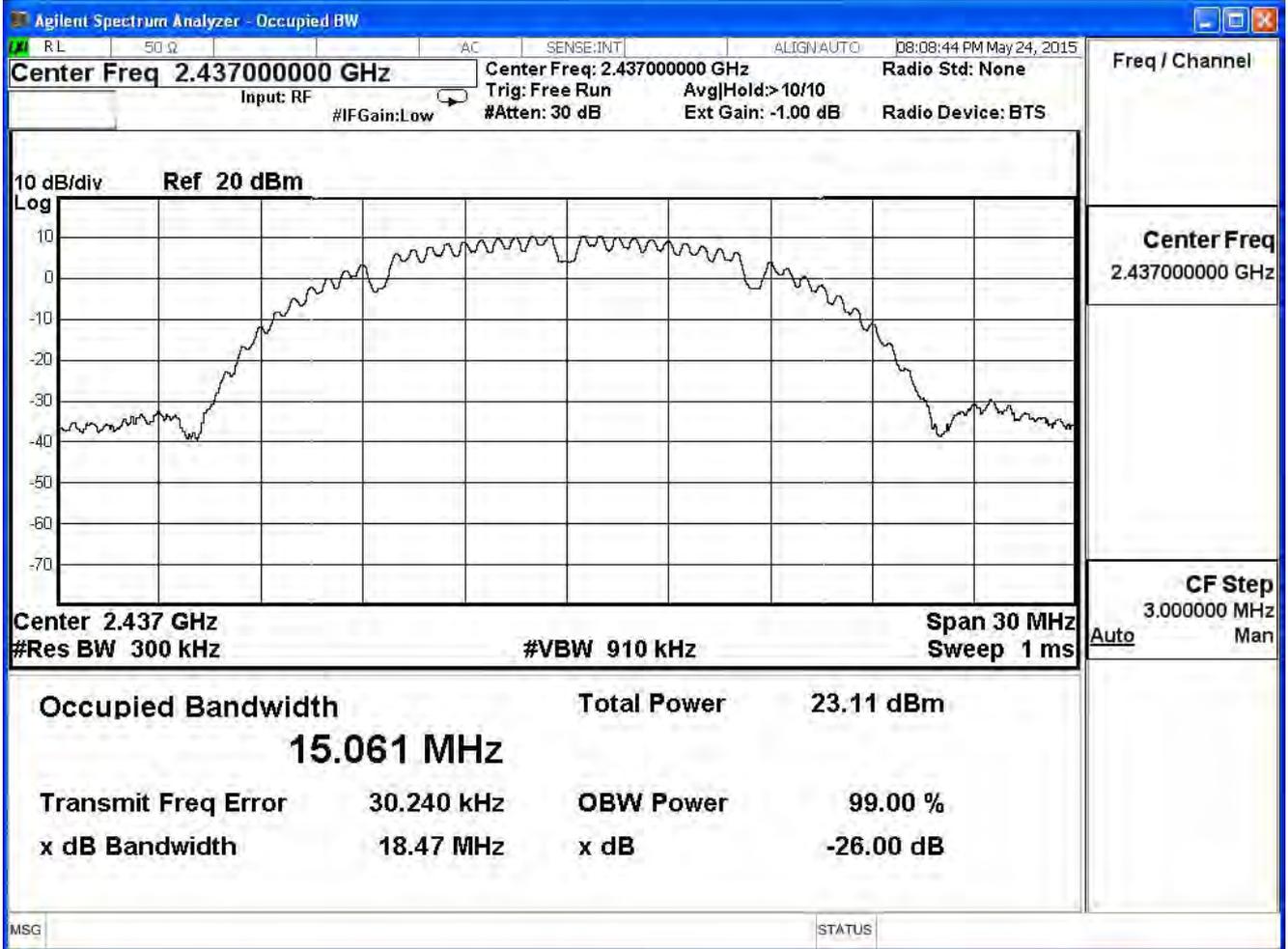
802.11 b (ANT 1)

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

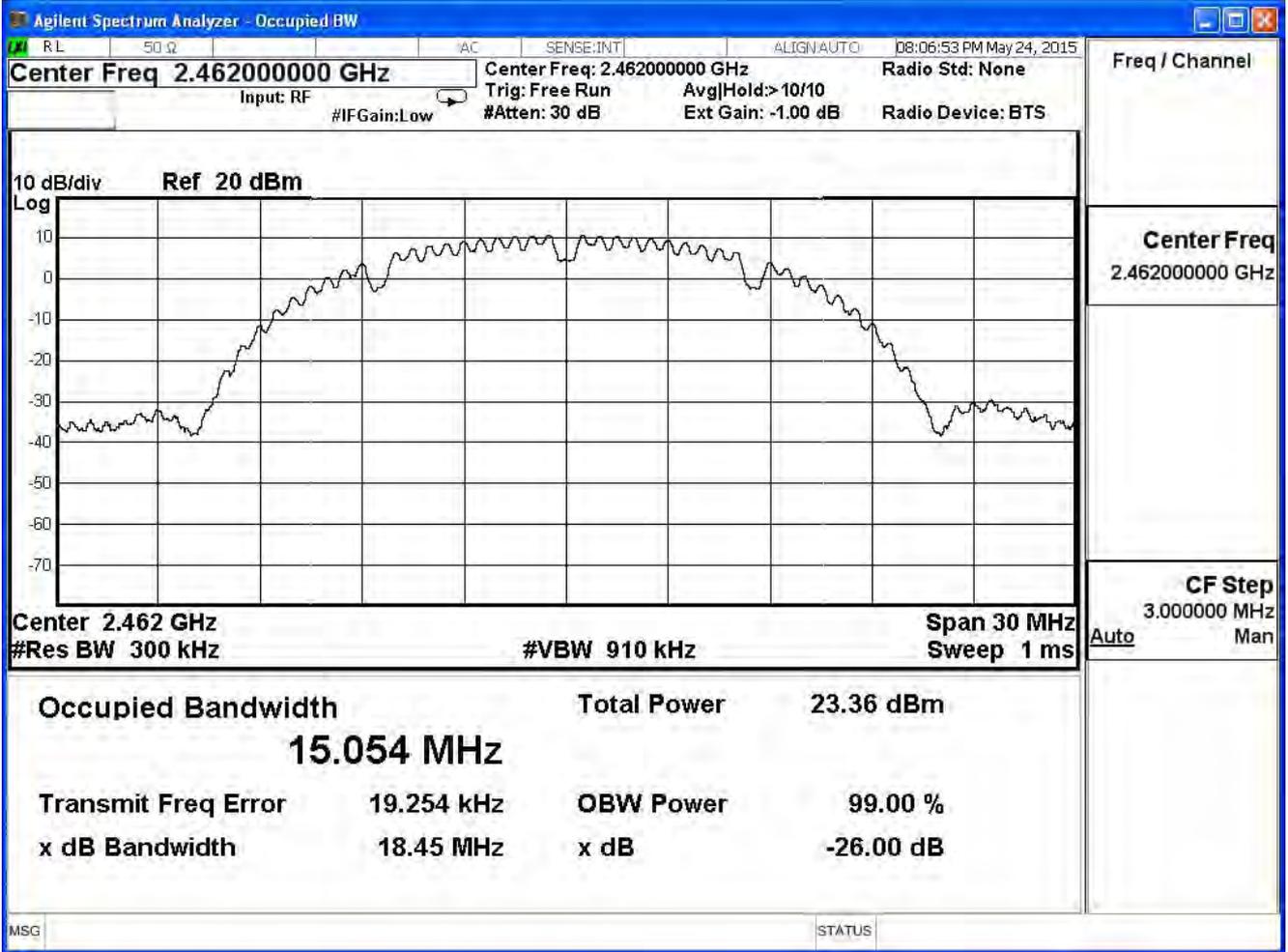
Channel 1



Channel 6



Channel 11

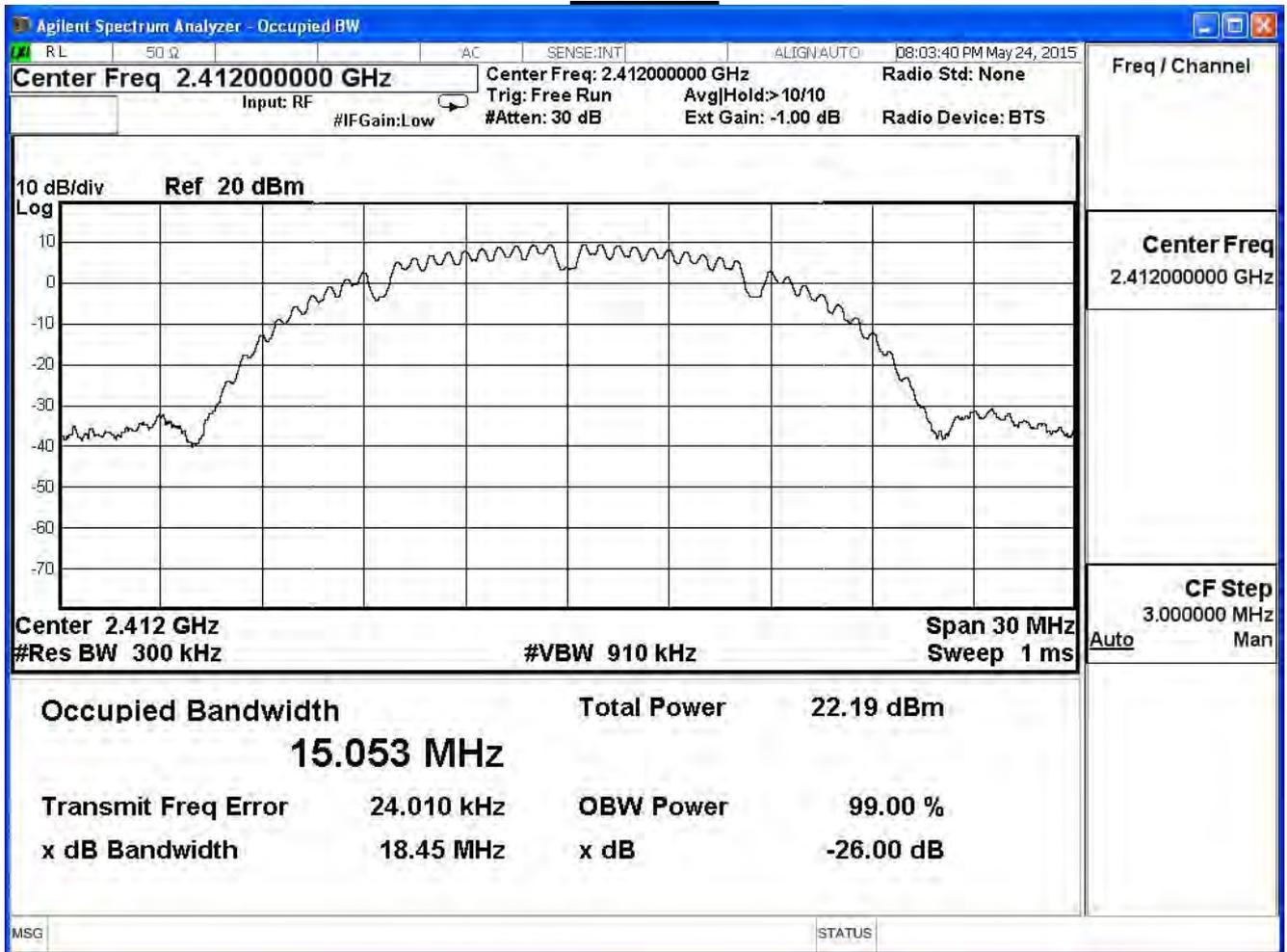


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/24	Test Site	SR7

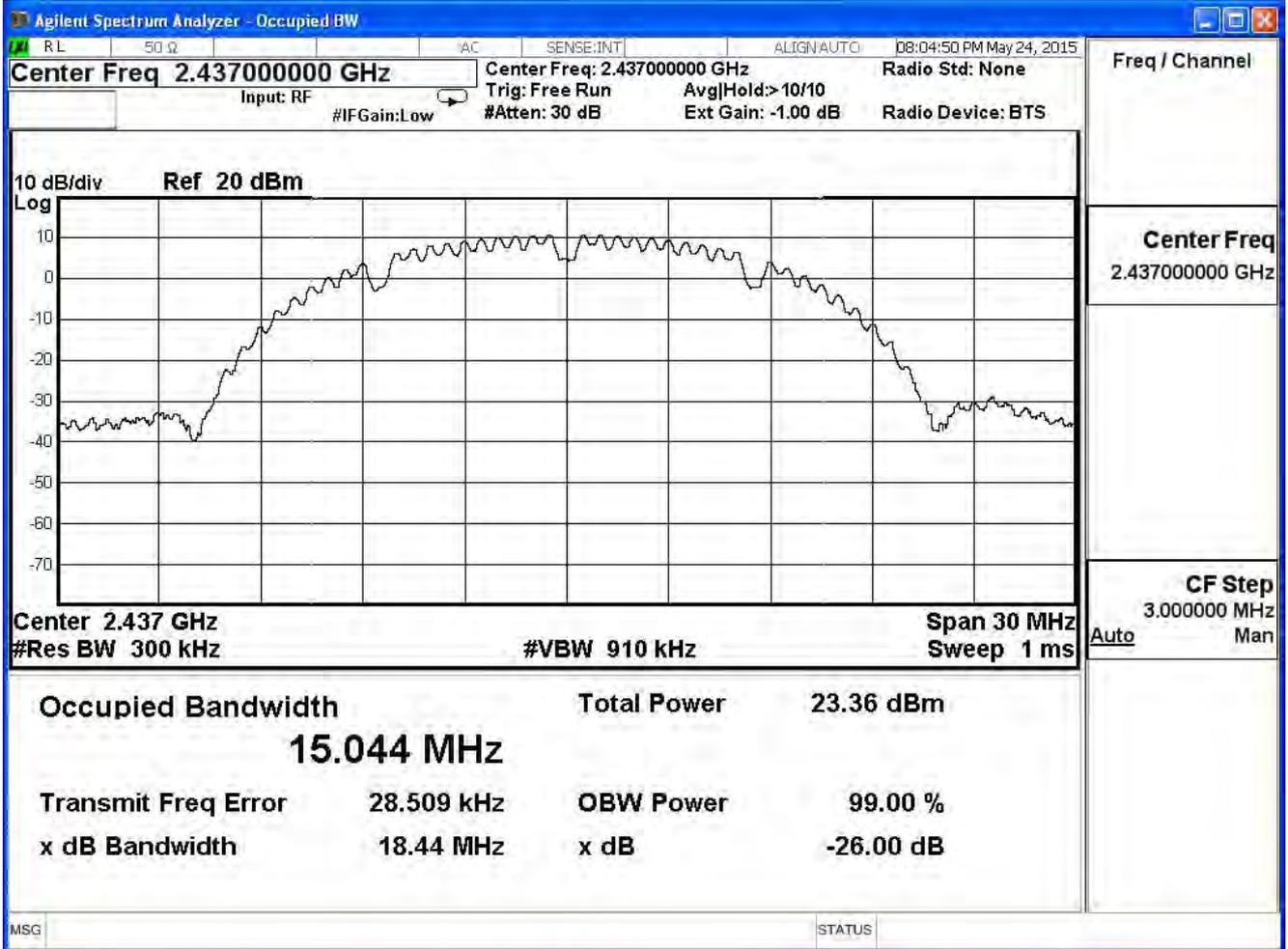
802.11 b (ANT 2)

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

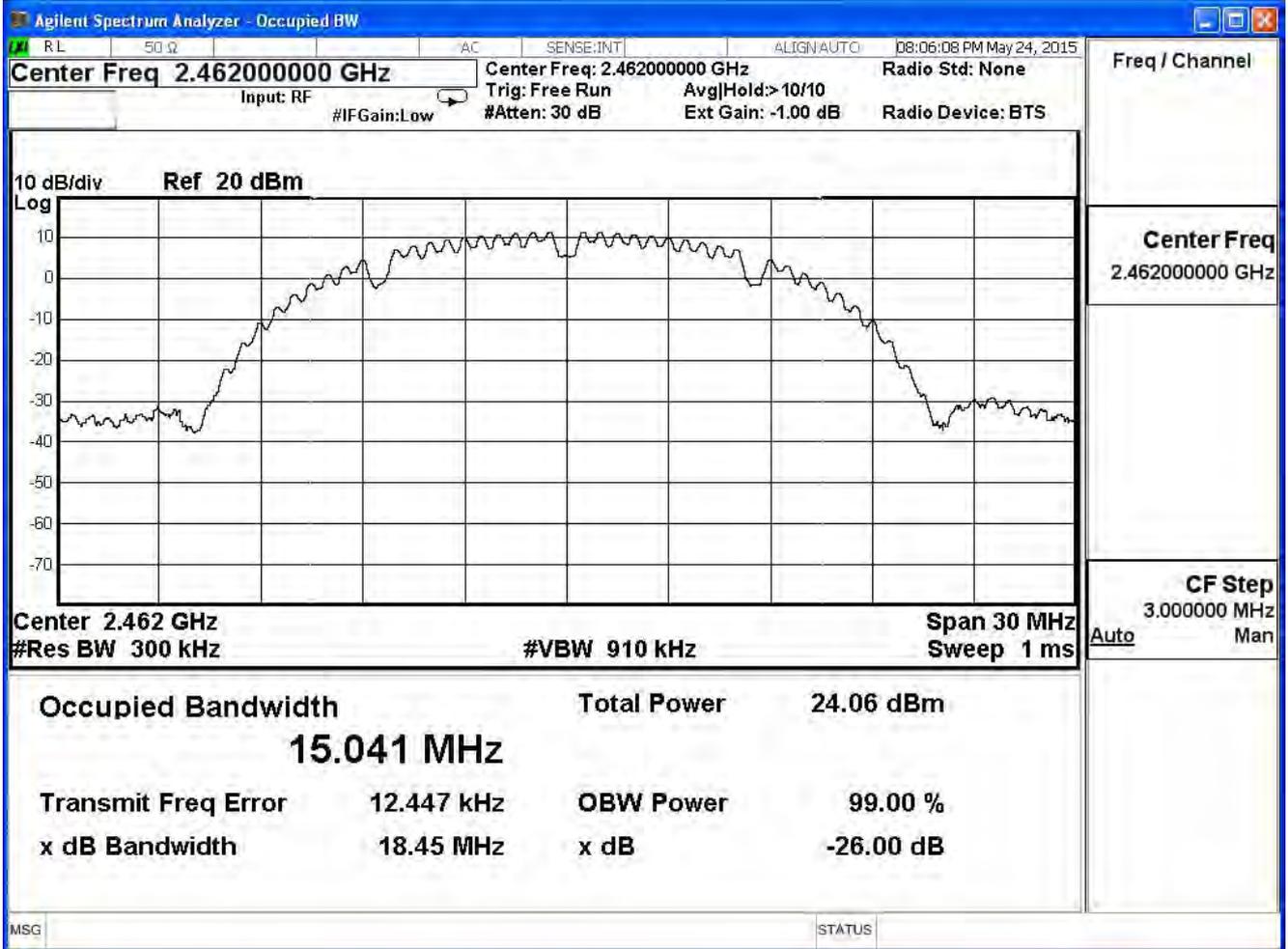
Channel 1



Channel 6



Channel 11

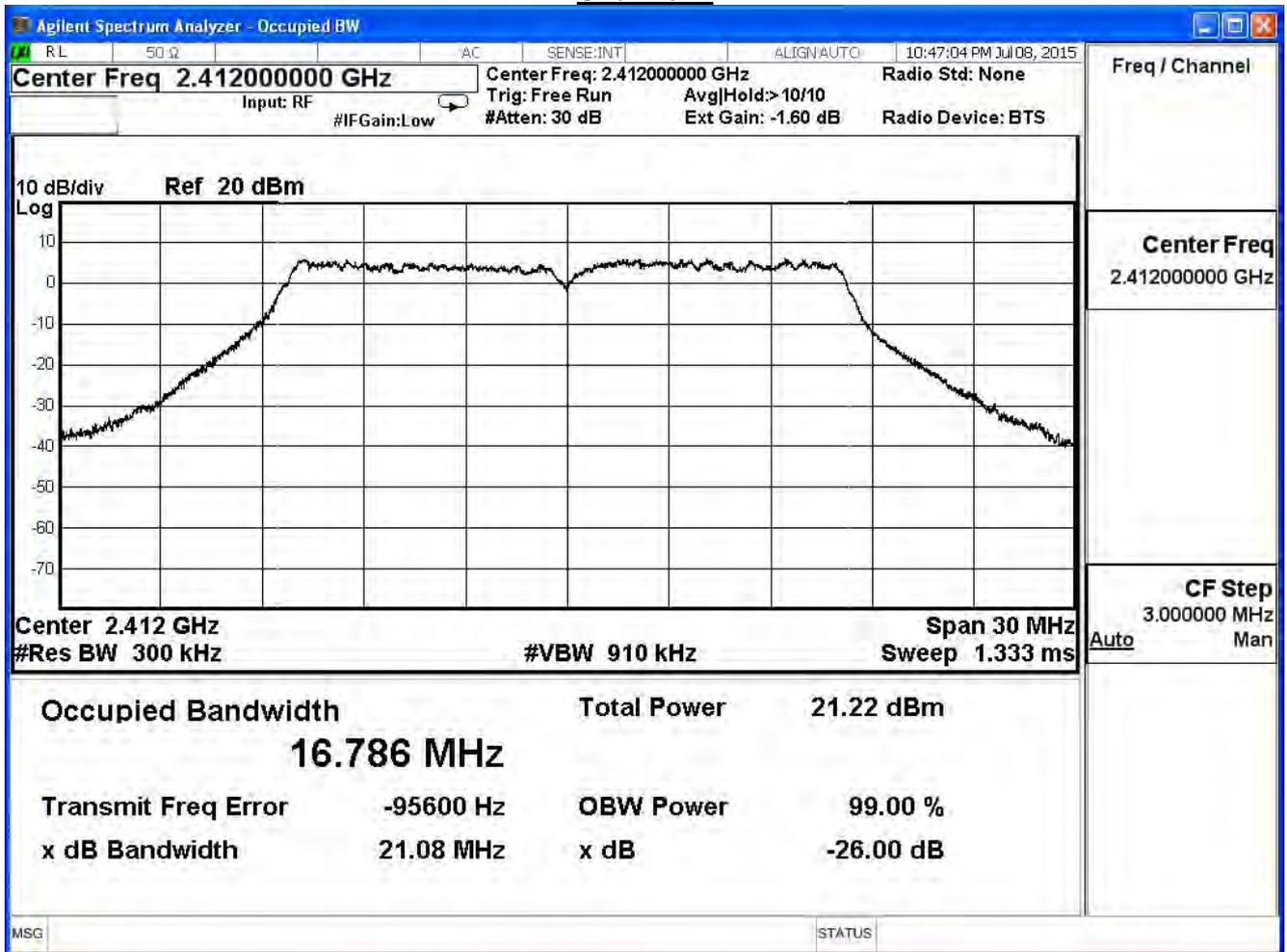


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/07/08	Test Site	SR7

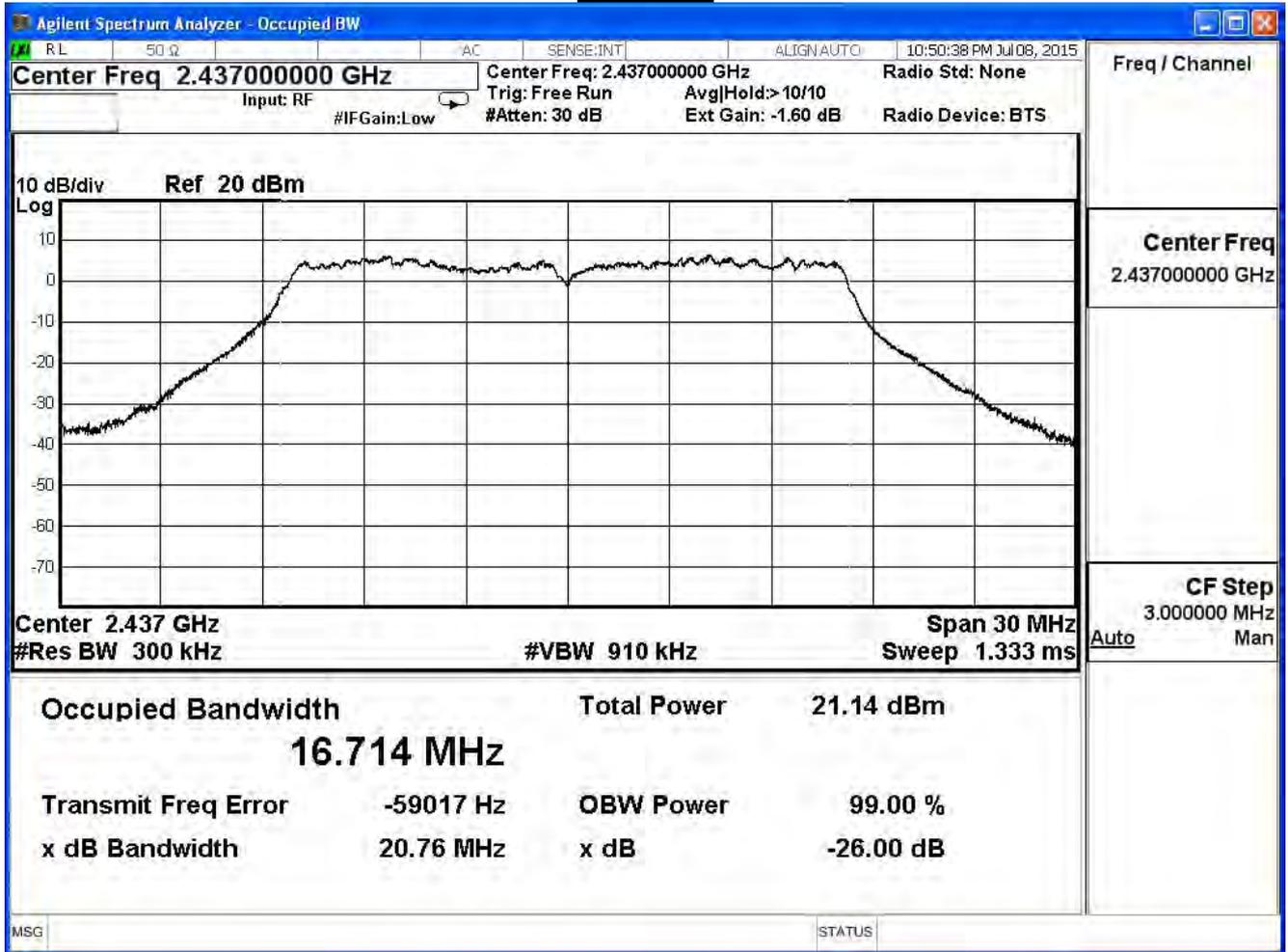
802.11 g (ANT 0)

Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	16.786	--	Pass
6	2437	16.714	--	Pass
11	2462	16.692	--	Pass

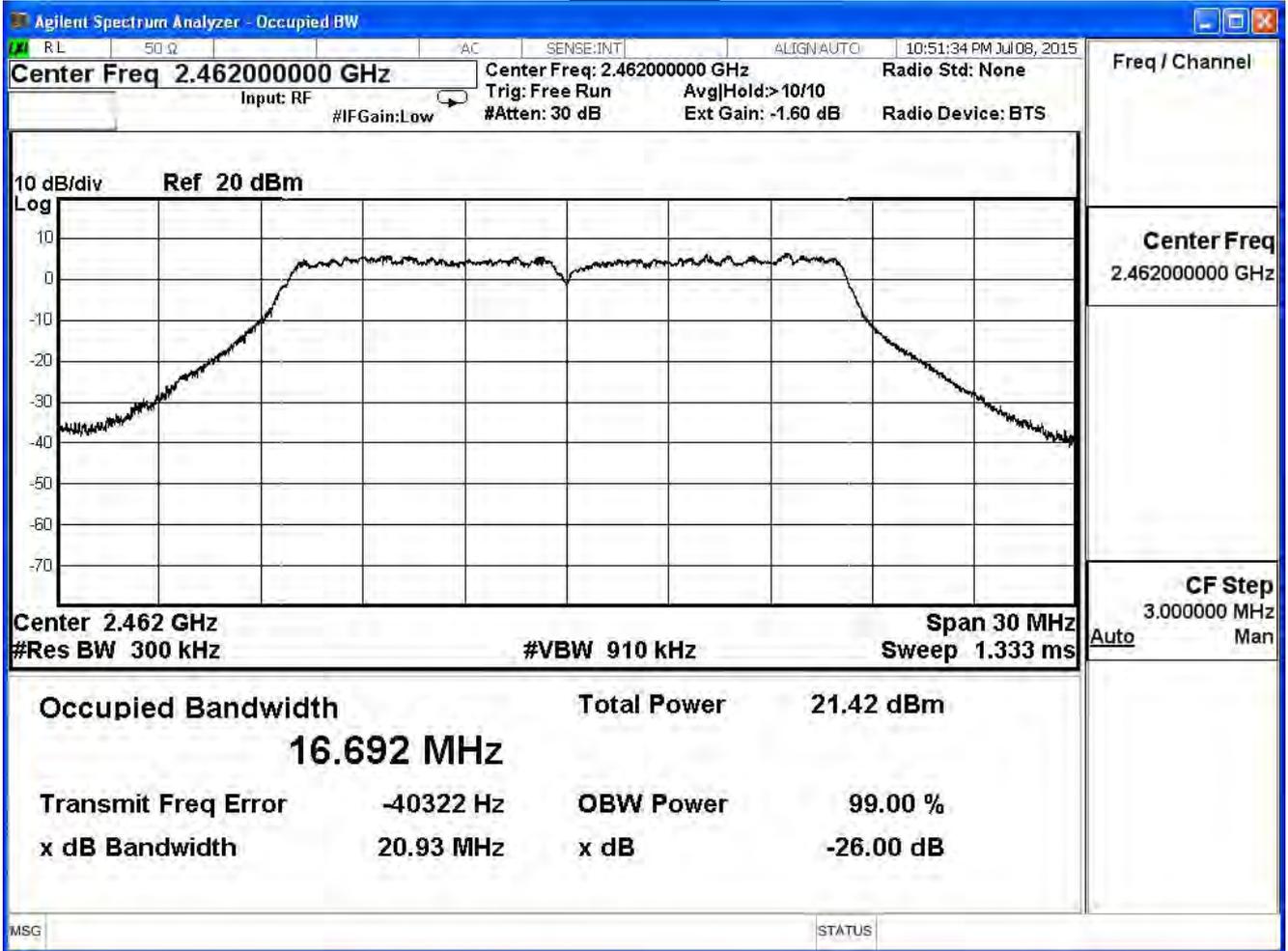
Channel 1



Channel 6



Channel 11

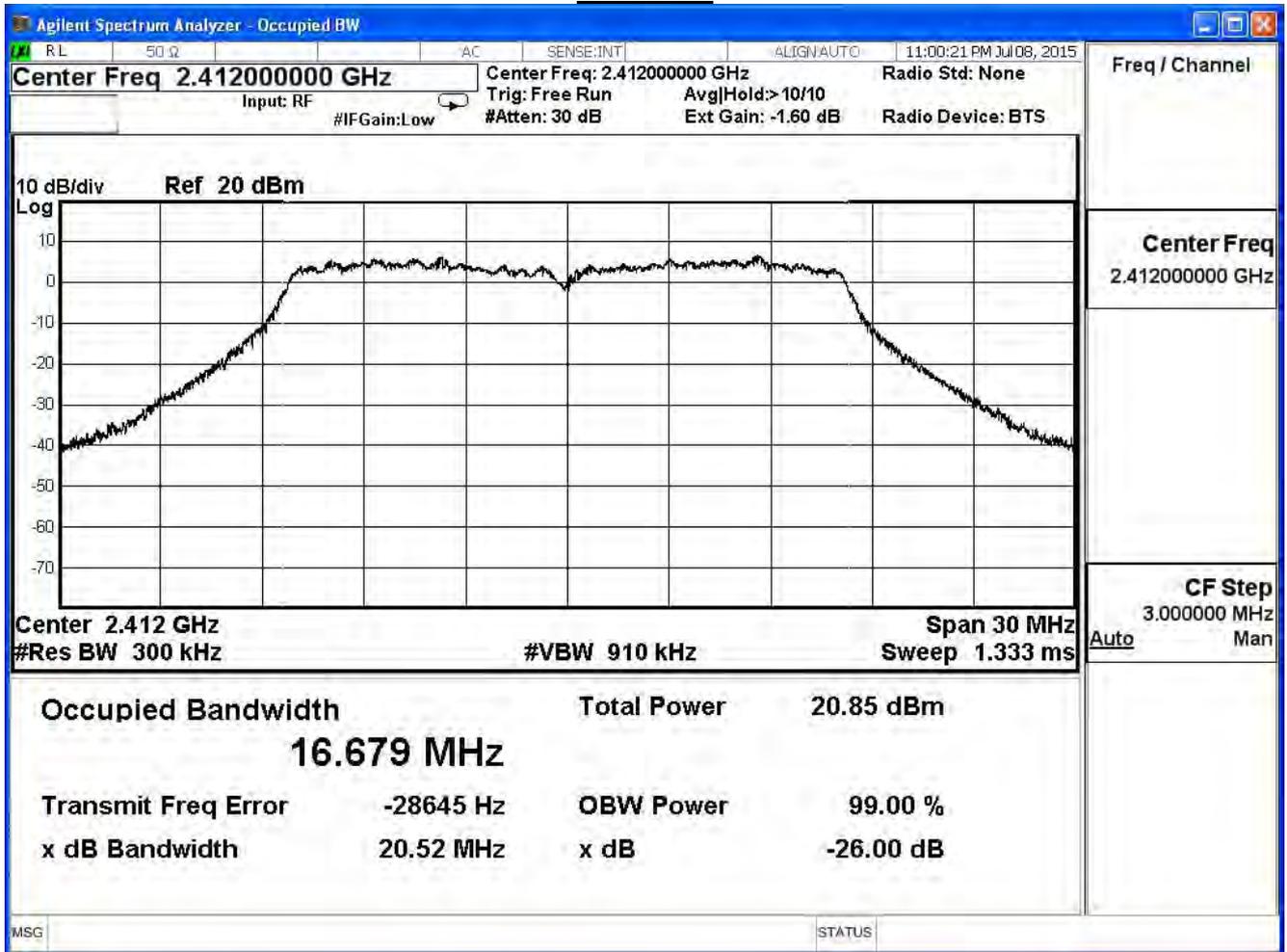


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/07/08	Test Site	SR7

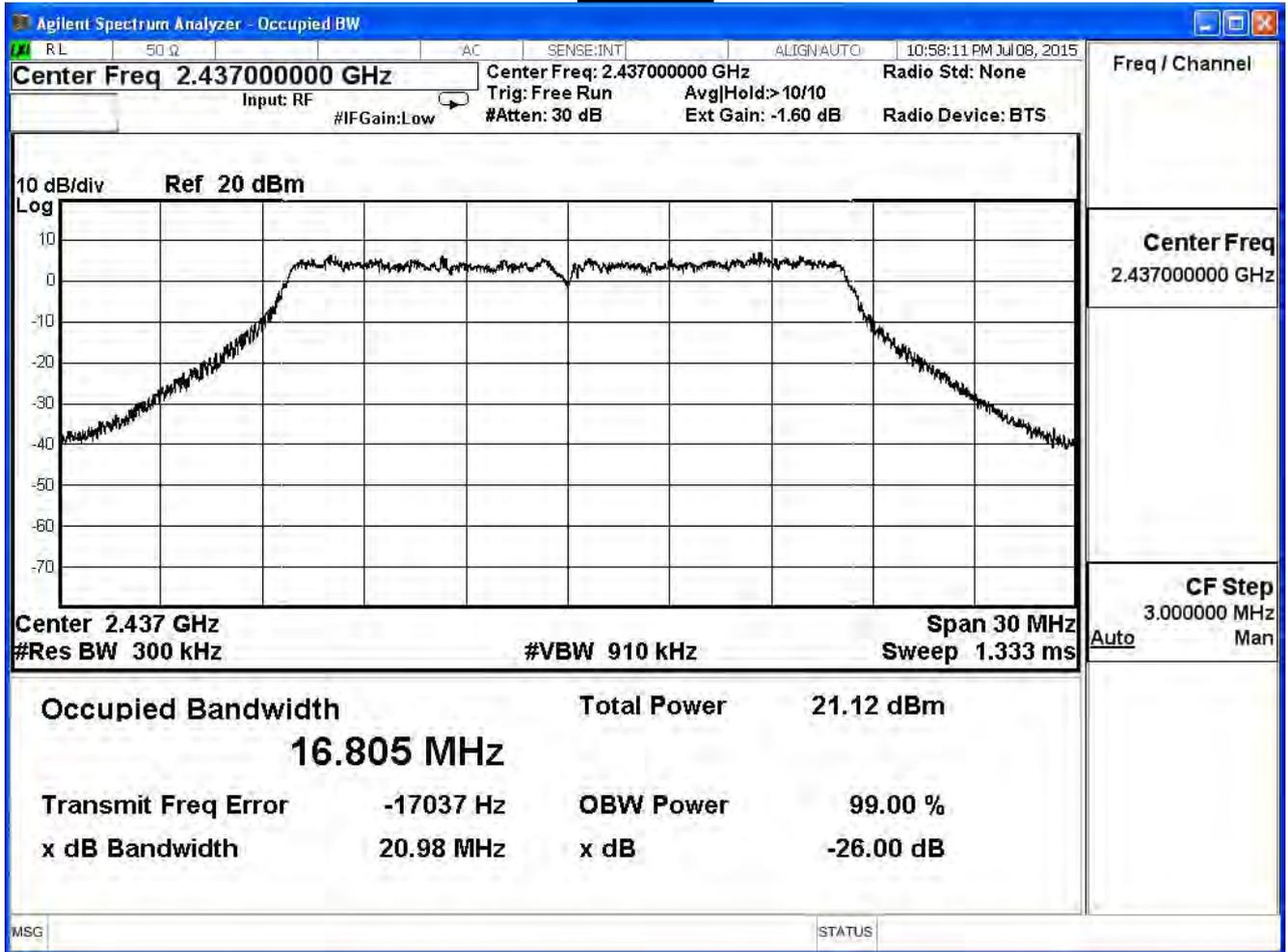
802.11 g (ANT 1)

Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	16.679	--	Pass
6	2437	16.805	--	Pass
11	2462	16.725	--	Pass

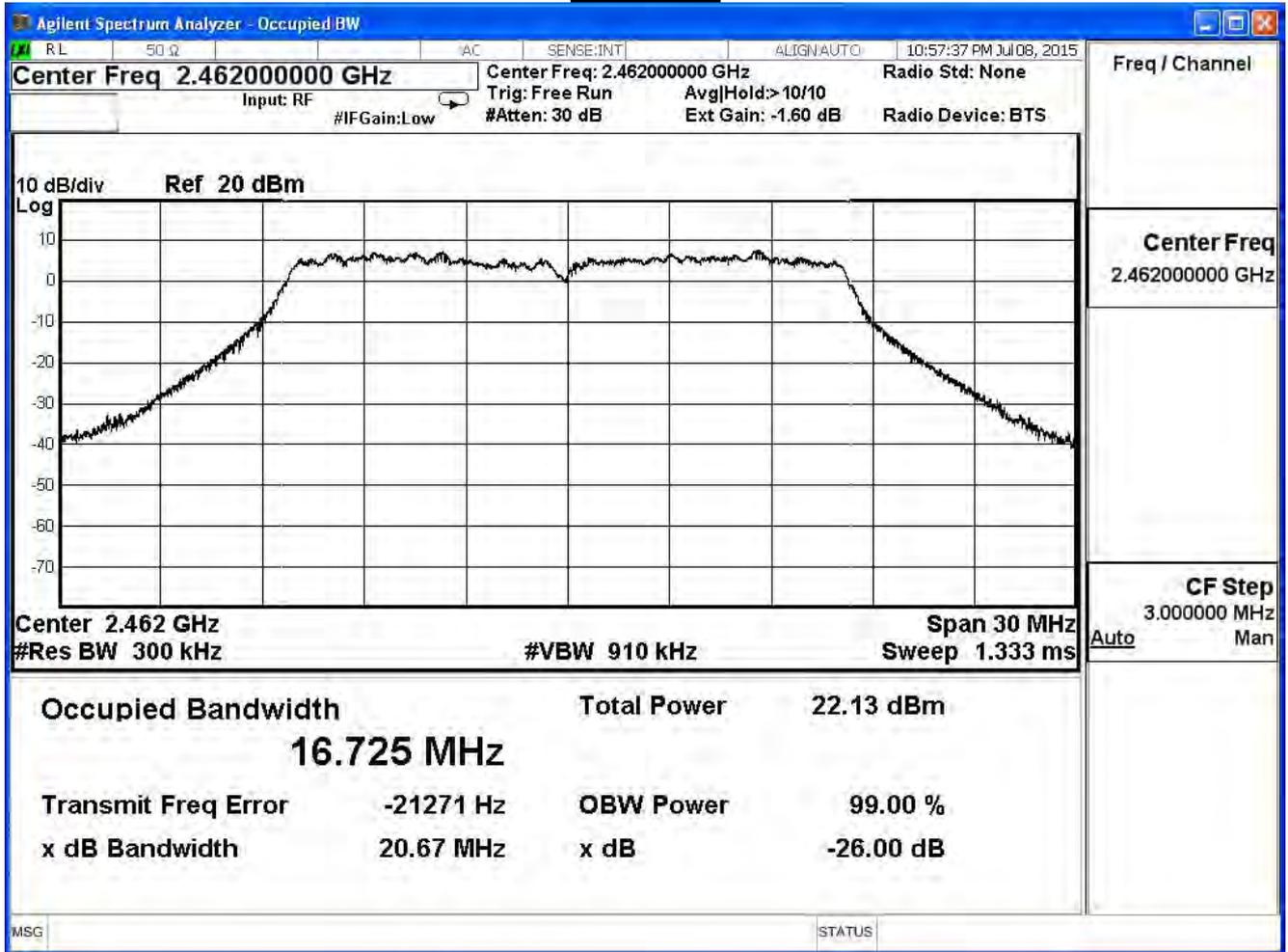
Channel 1



Channel 6



Channel 11

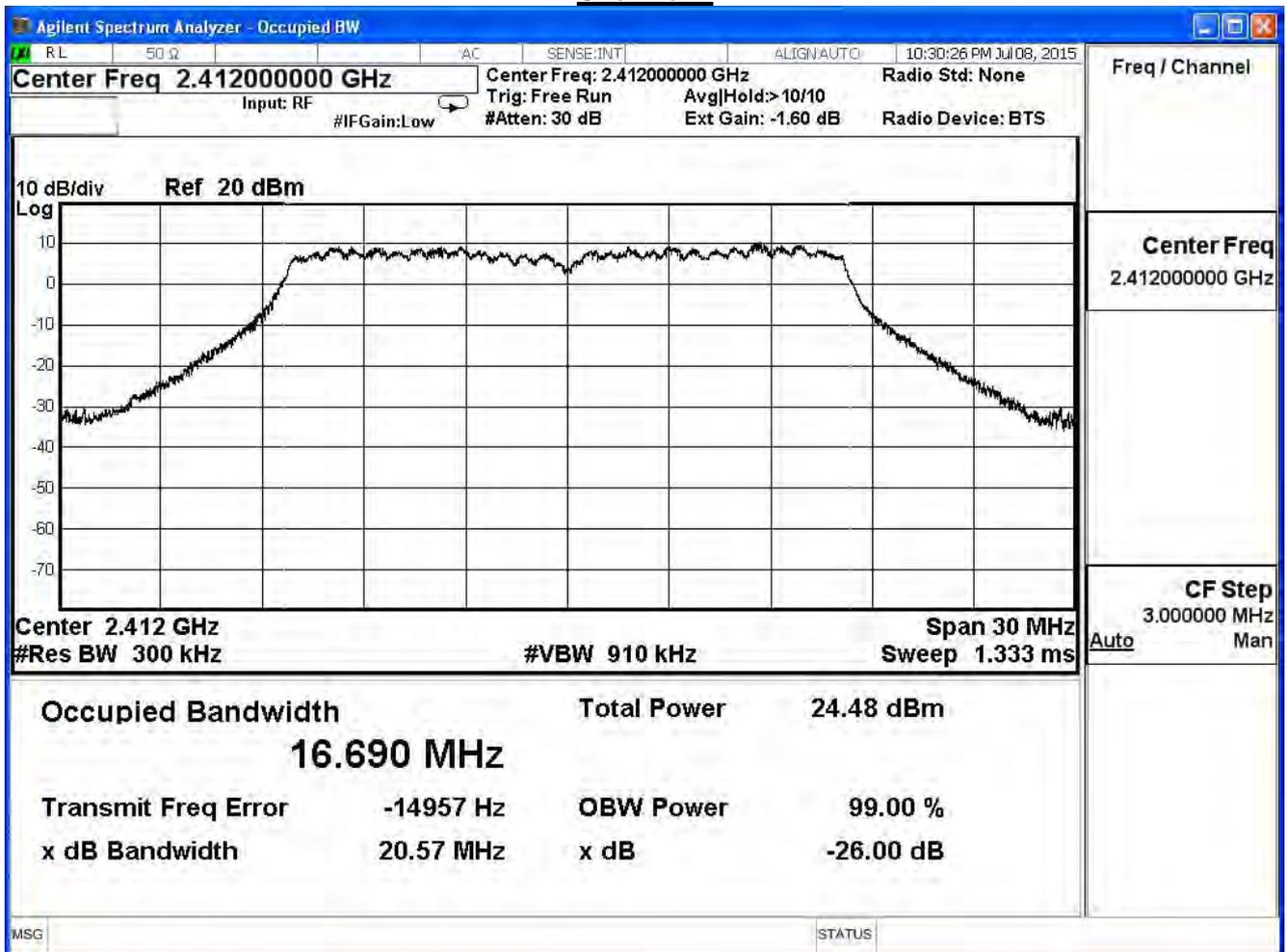


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/07/08	Test Site	SR7

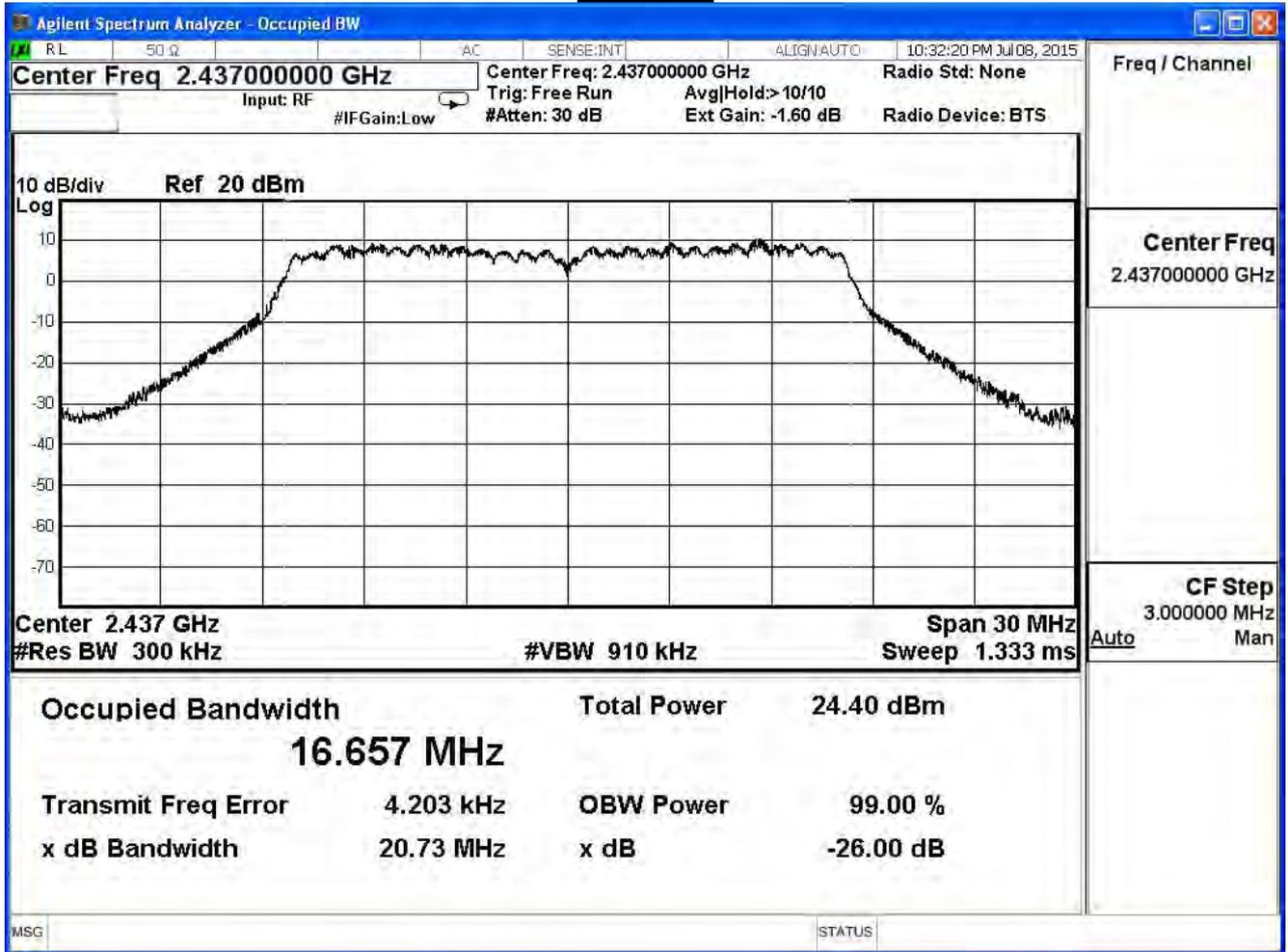
802.11 g (ANT 2)

Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	16.690	--	Pass
6	2437	16.657	--	Pass
11	2462	16.653	--	Pass

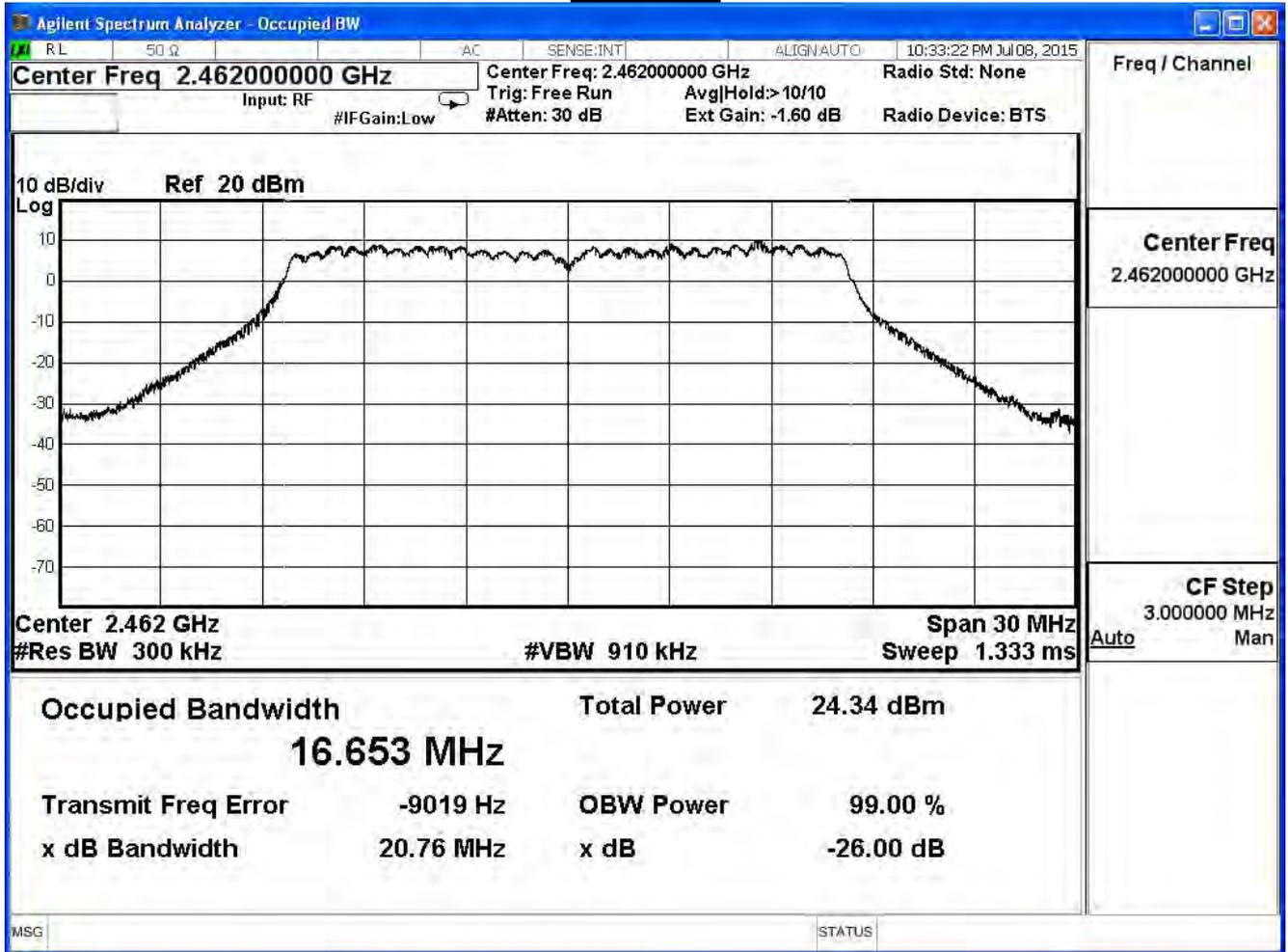
Channel 1



Channel 6



Channel 11

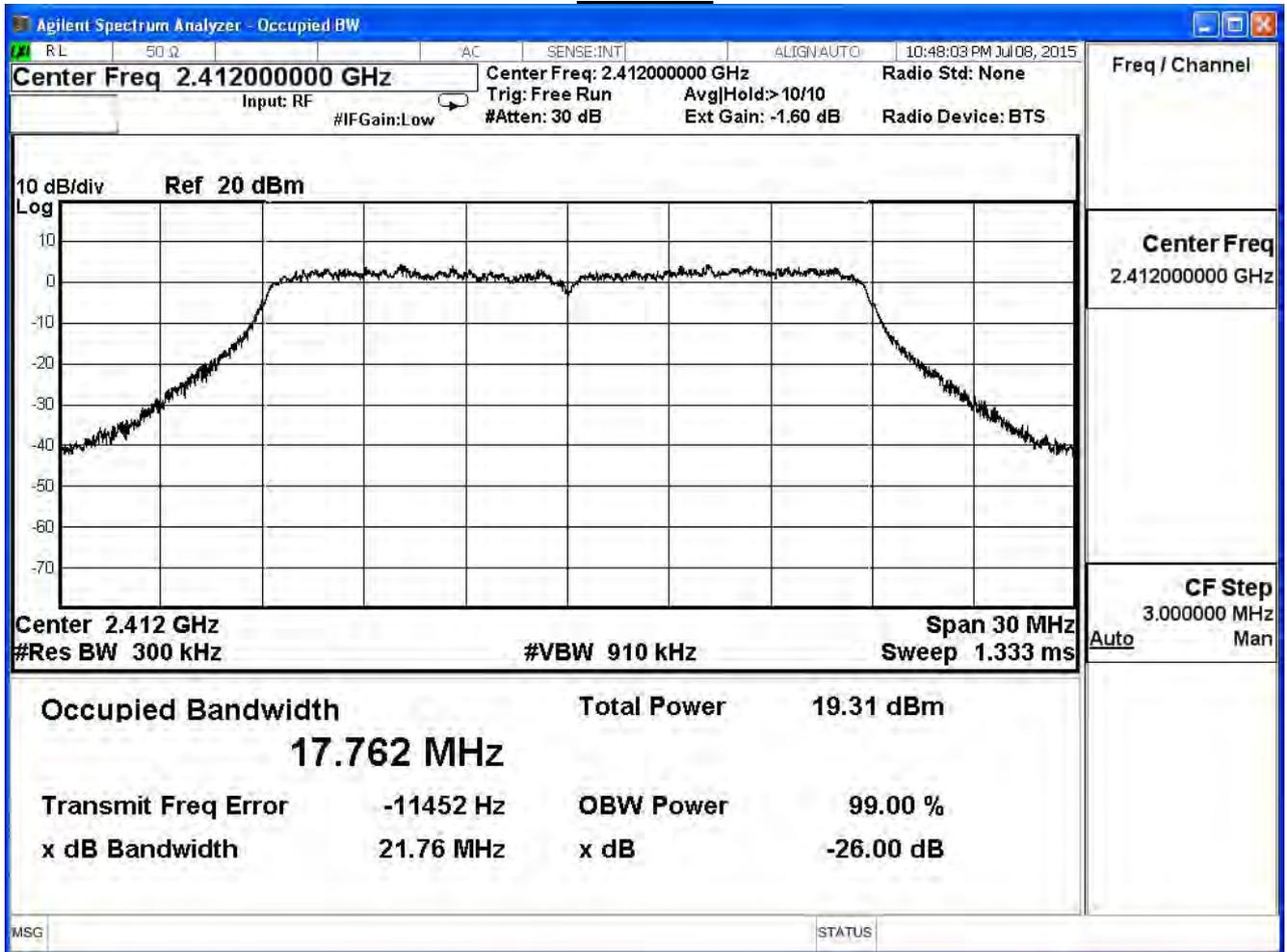


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/07/08	Test Site	SR7

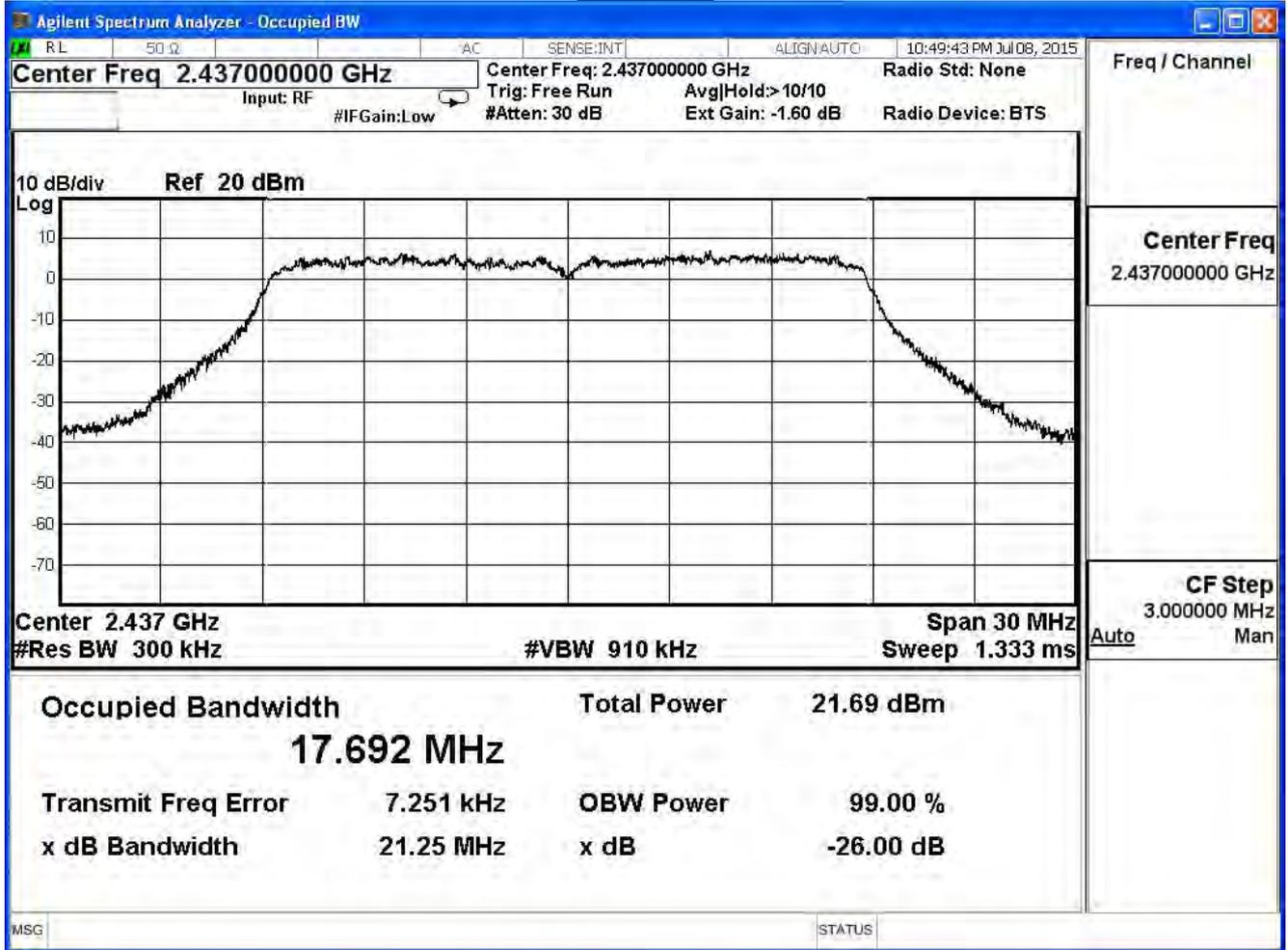
IEEE802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	17.762	--	Pass
6	2437	17.692	--	Pass
11	2462	17.817	--	Pass

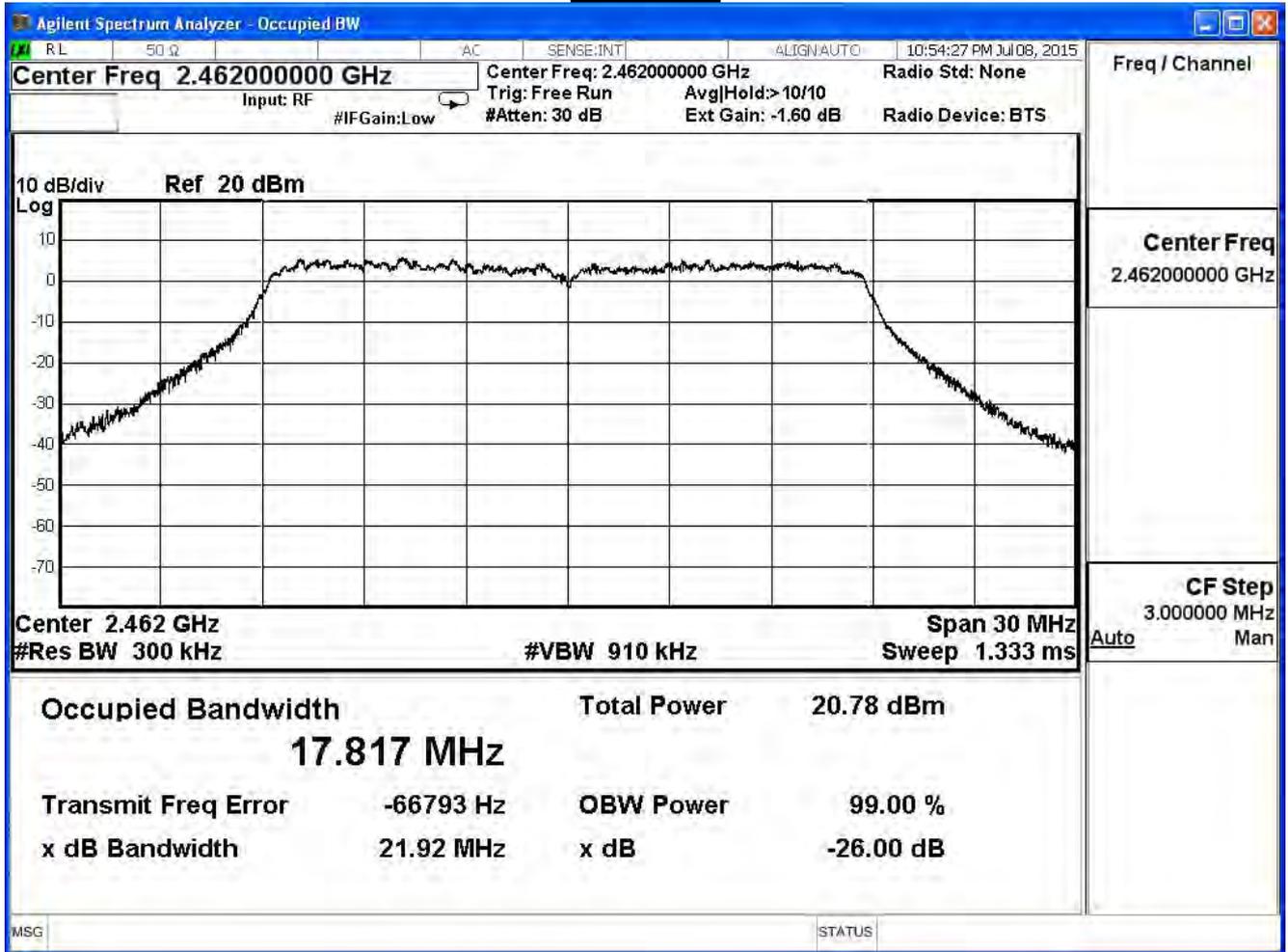
Channel 1



Channel 6



Channel 11

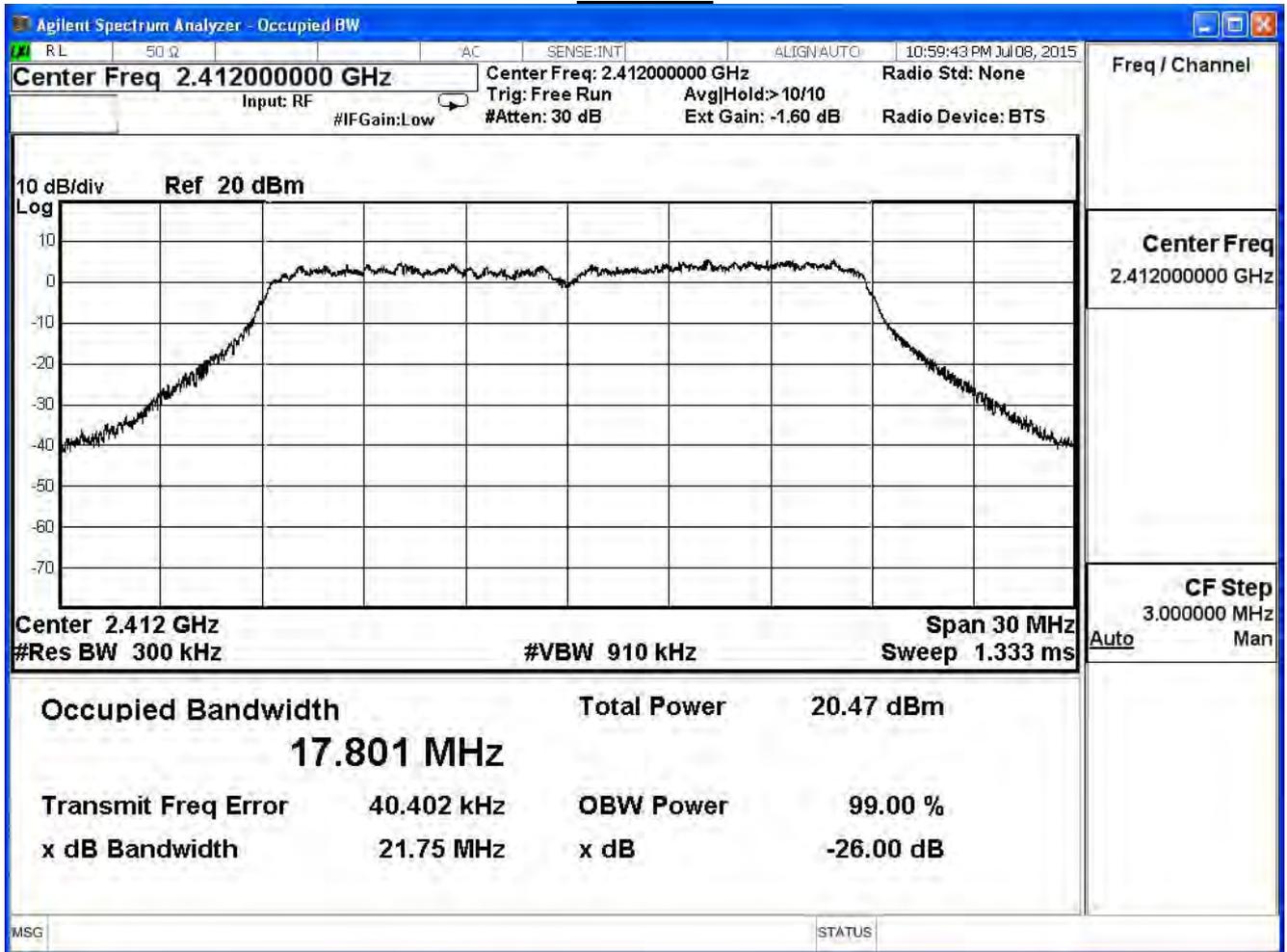


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/07/08	Test Site	SR7

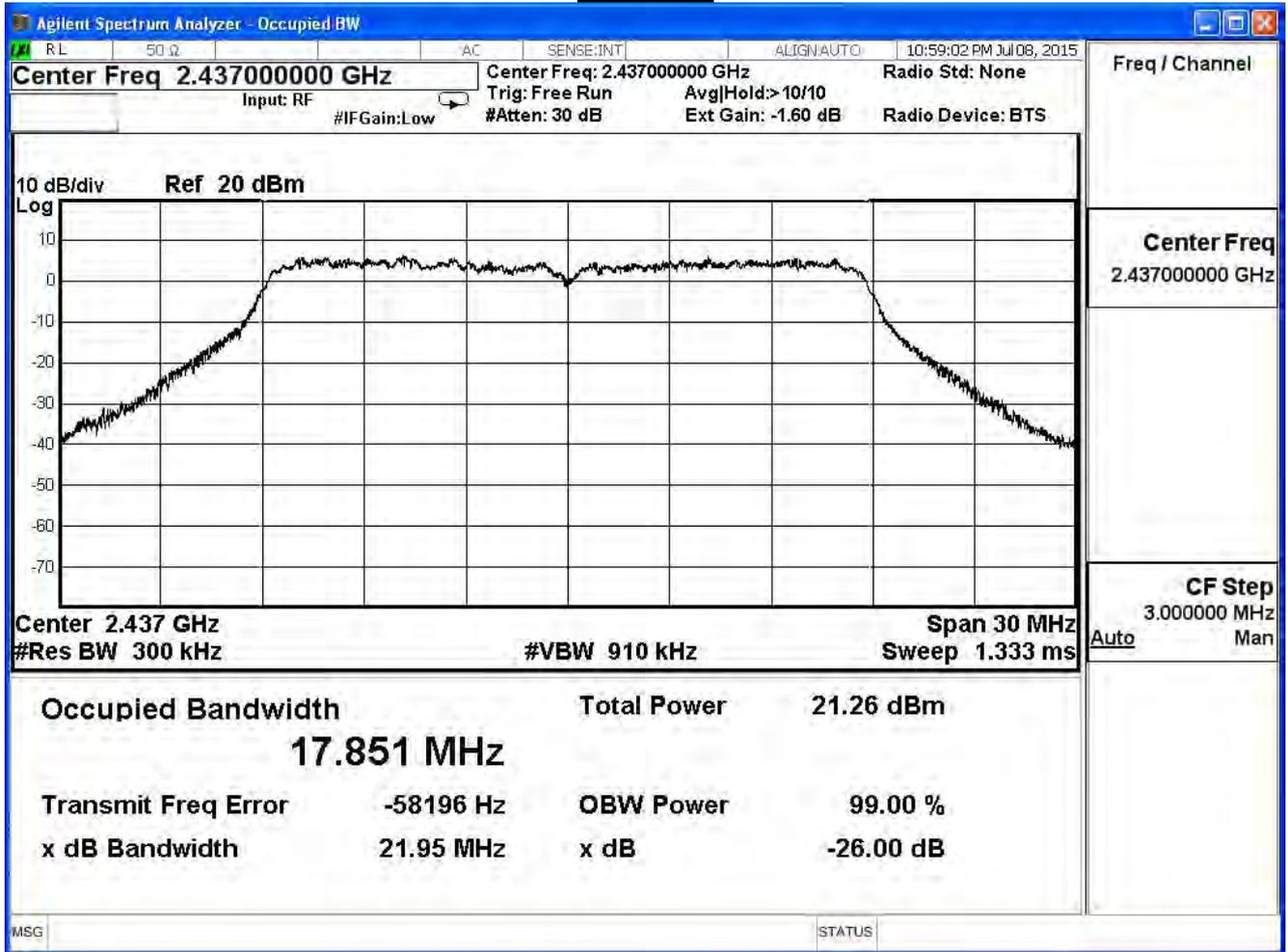
IEEE802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.801	--	Pass
6	2437	17.851	--	Pass
11	2462	17.760	--	Pass

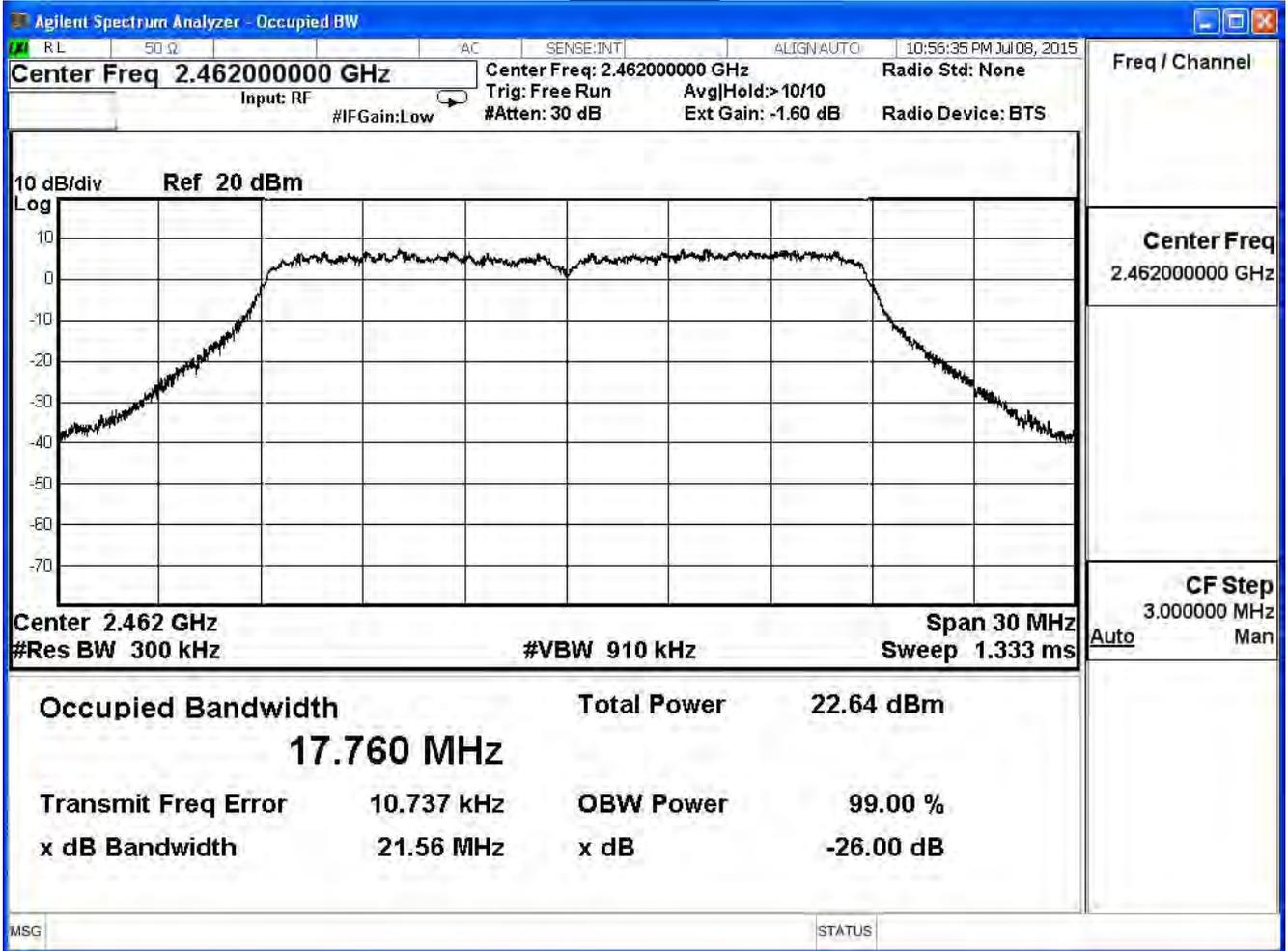
Channel 1



Channel 6



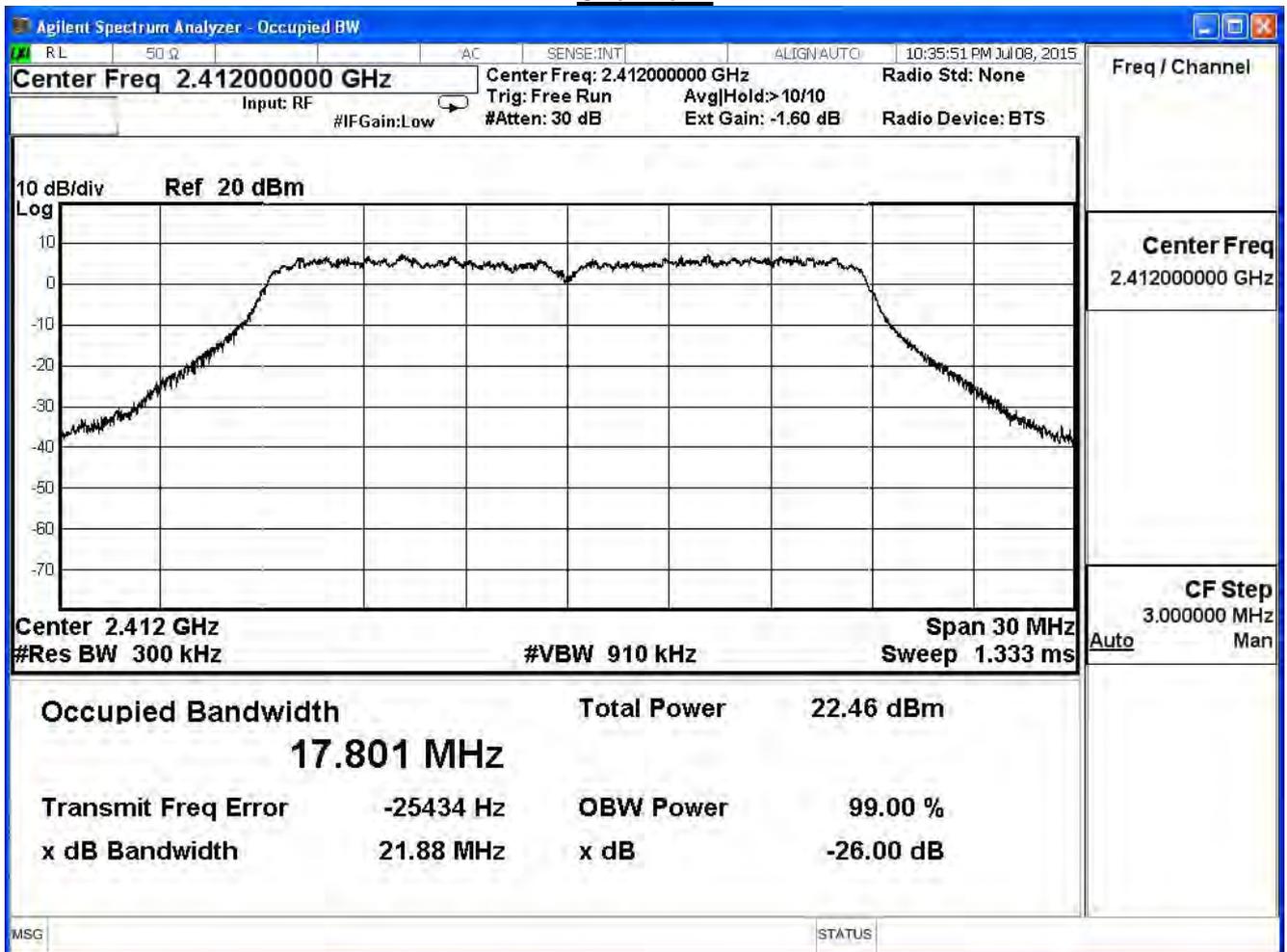
Channel 11



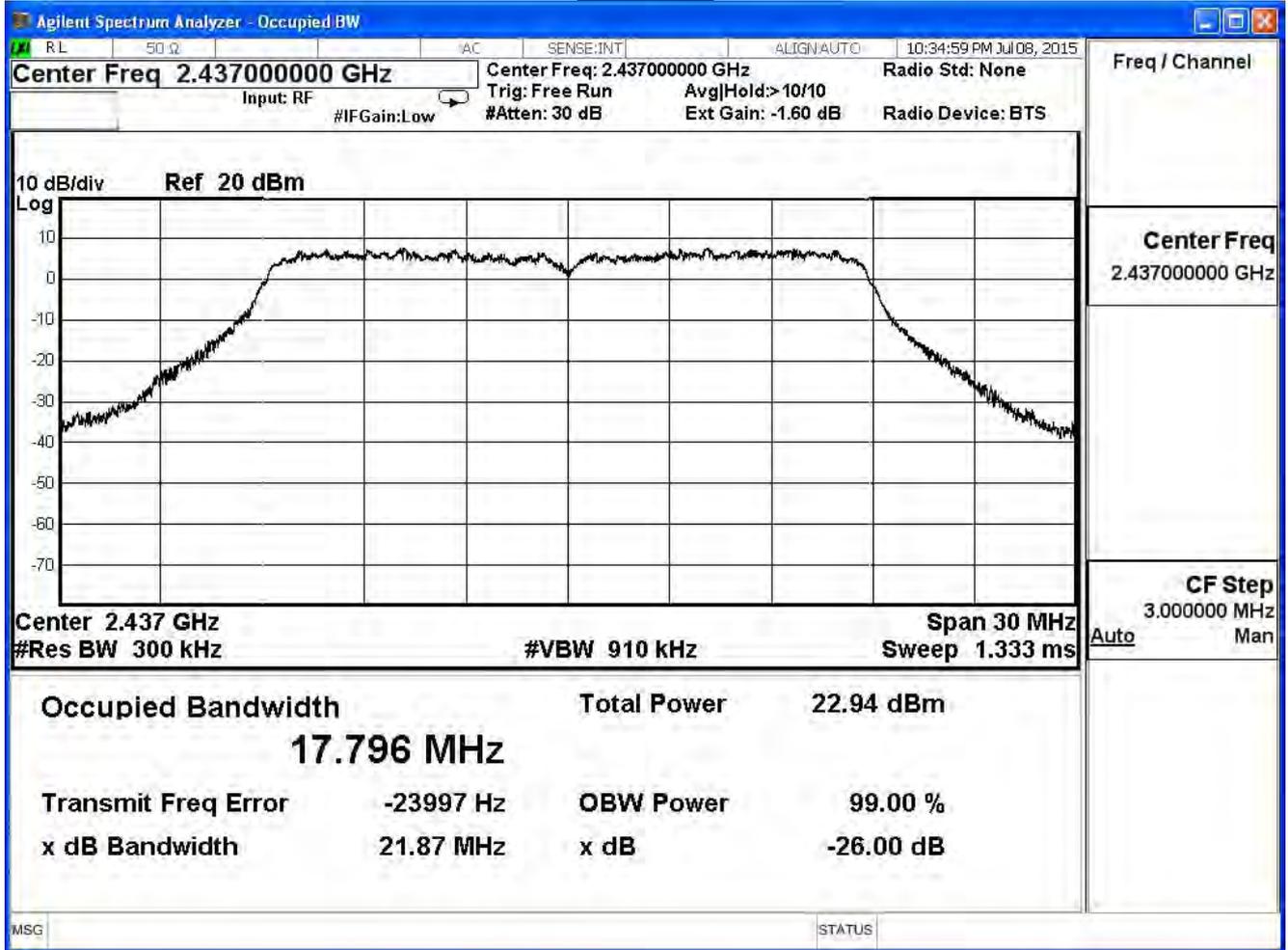
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/07/08	Test Site	SR7

IEEE802.11n 20MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.801	--	Pass
6	2437	17.796	--	Pass
11	2462	17.800	--	Pass

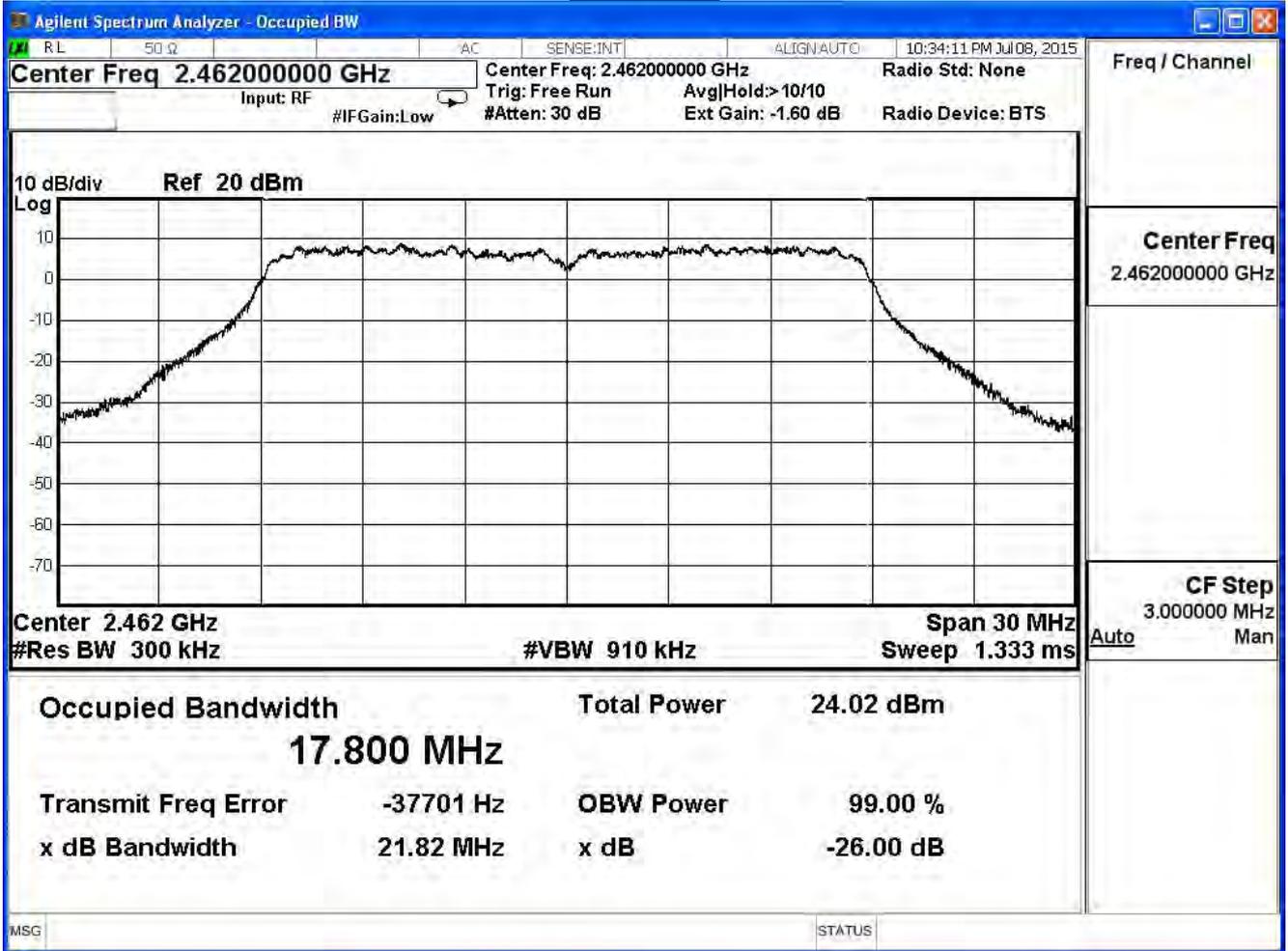
Channel 1



Channel 6



Channel 11

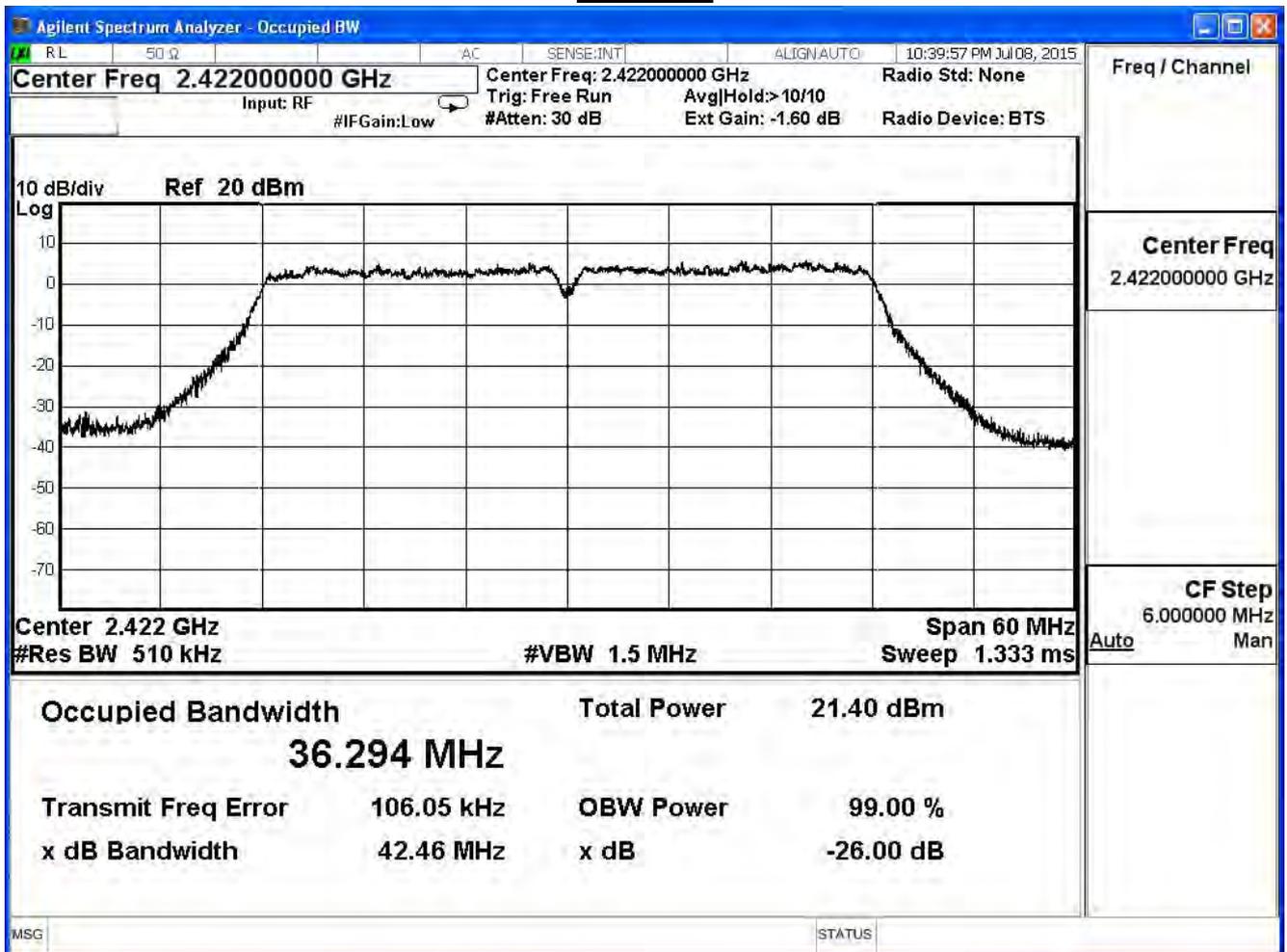


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/07/08	Test Site	SR7

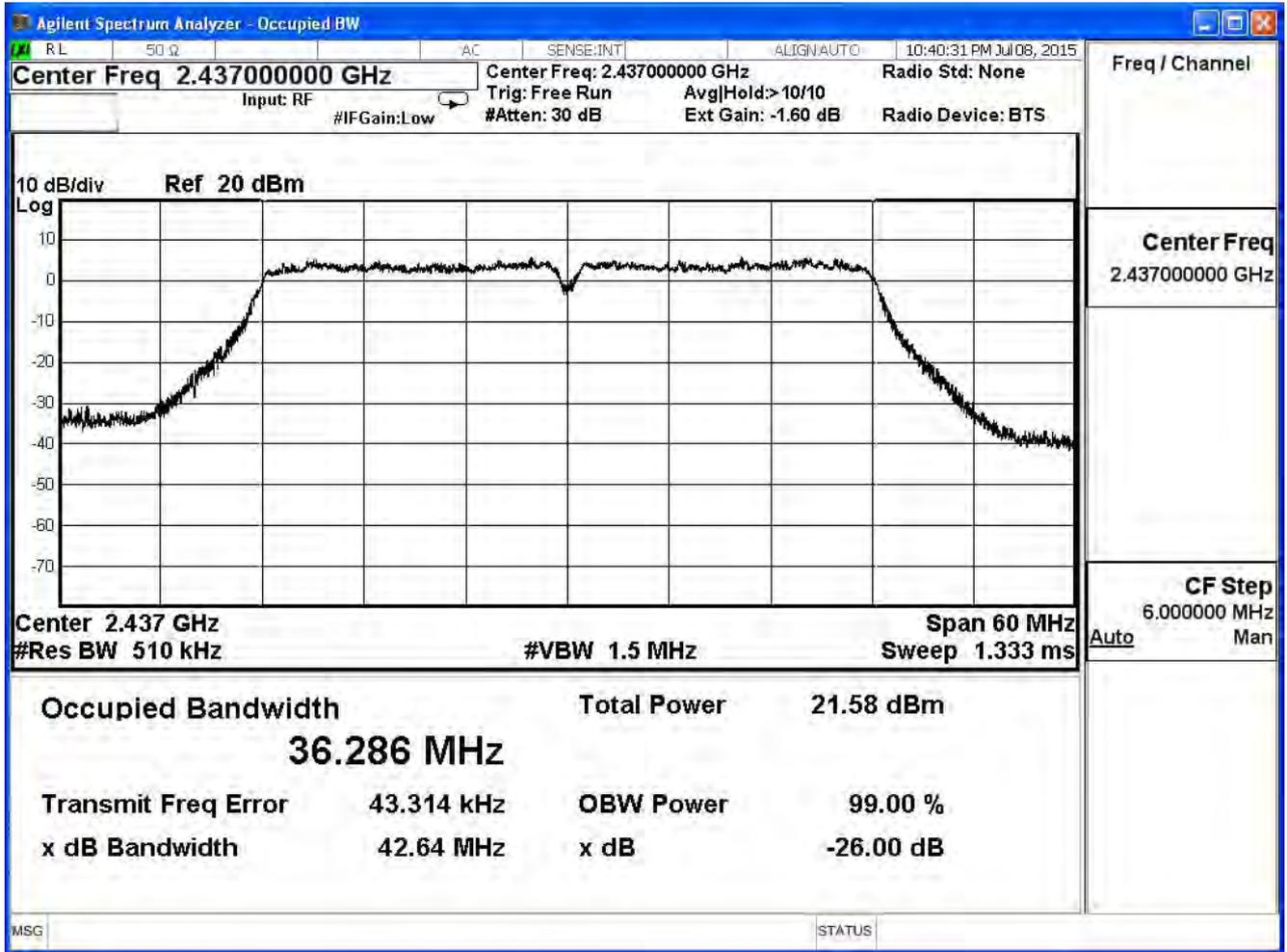
IEEE802.11n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.294	--	Pass
6	2437	36.286	--	Pass
9	2452	36.318	--	Pass

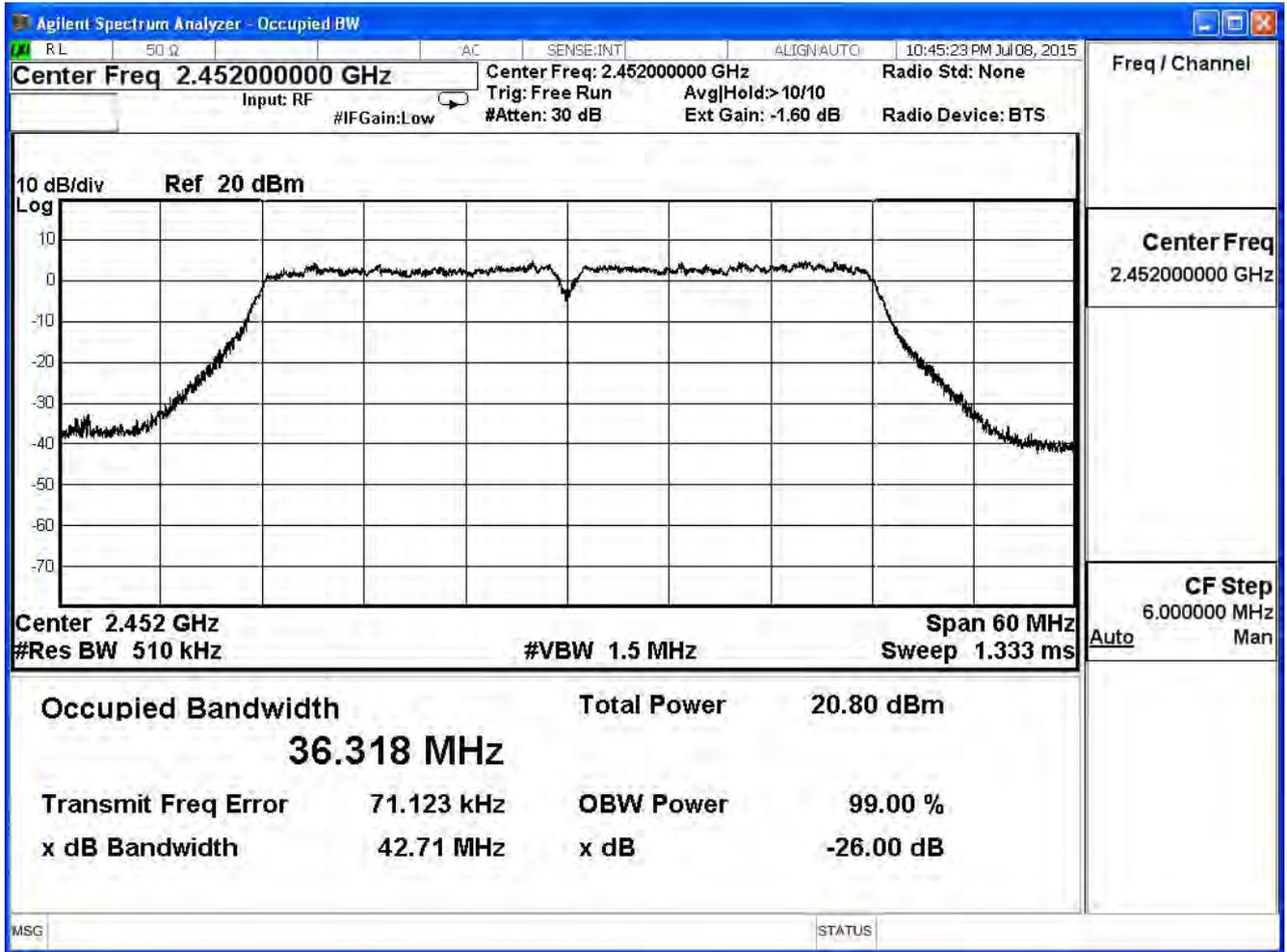
Channel 3



Channel 6



Channel 9

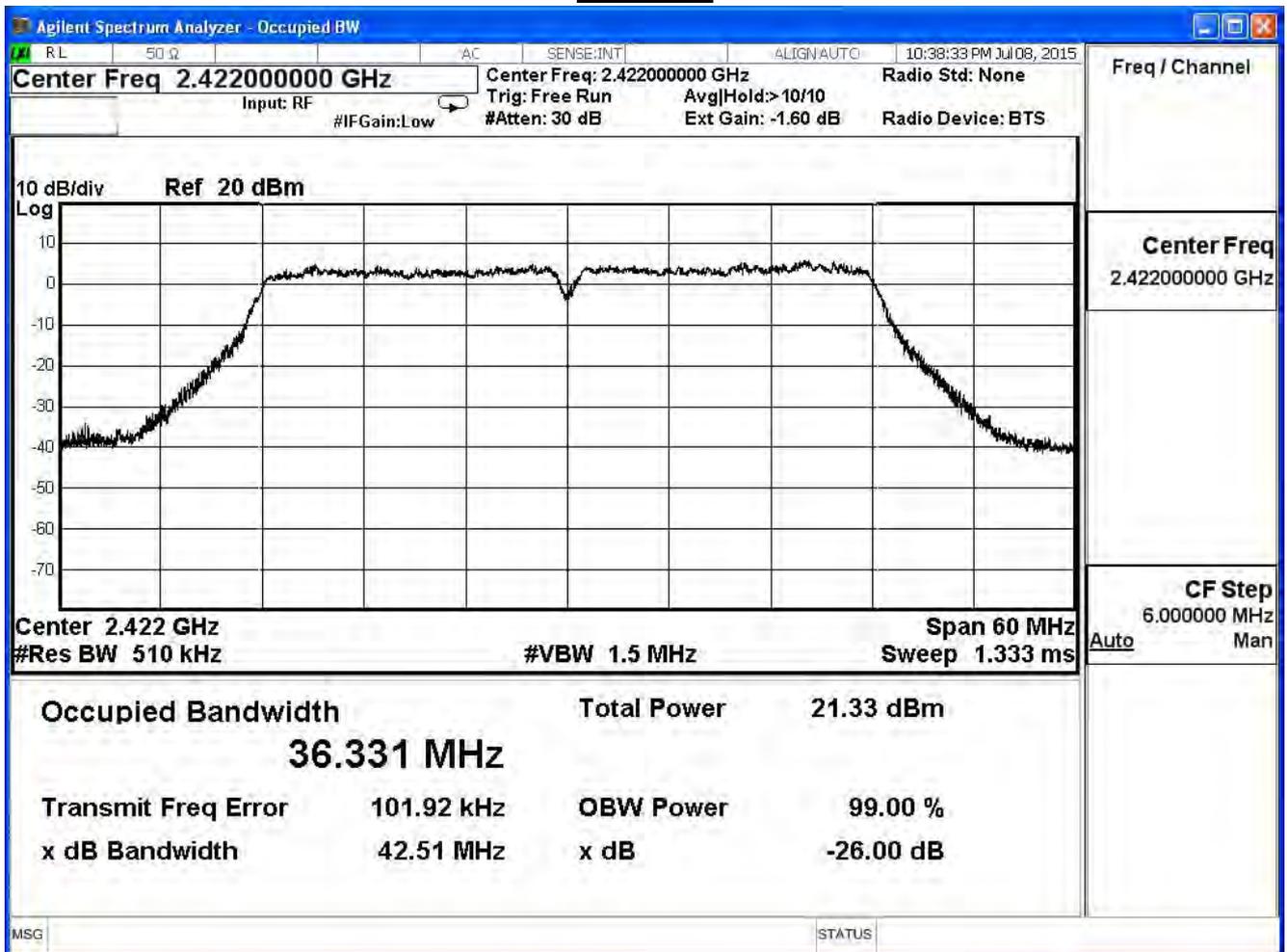


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/07/08	Test Site	SR7

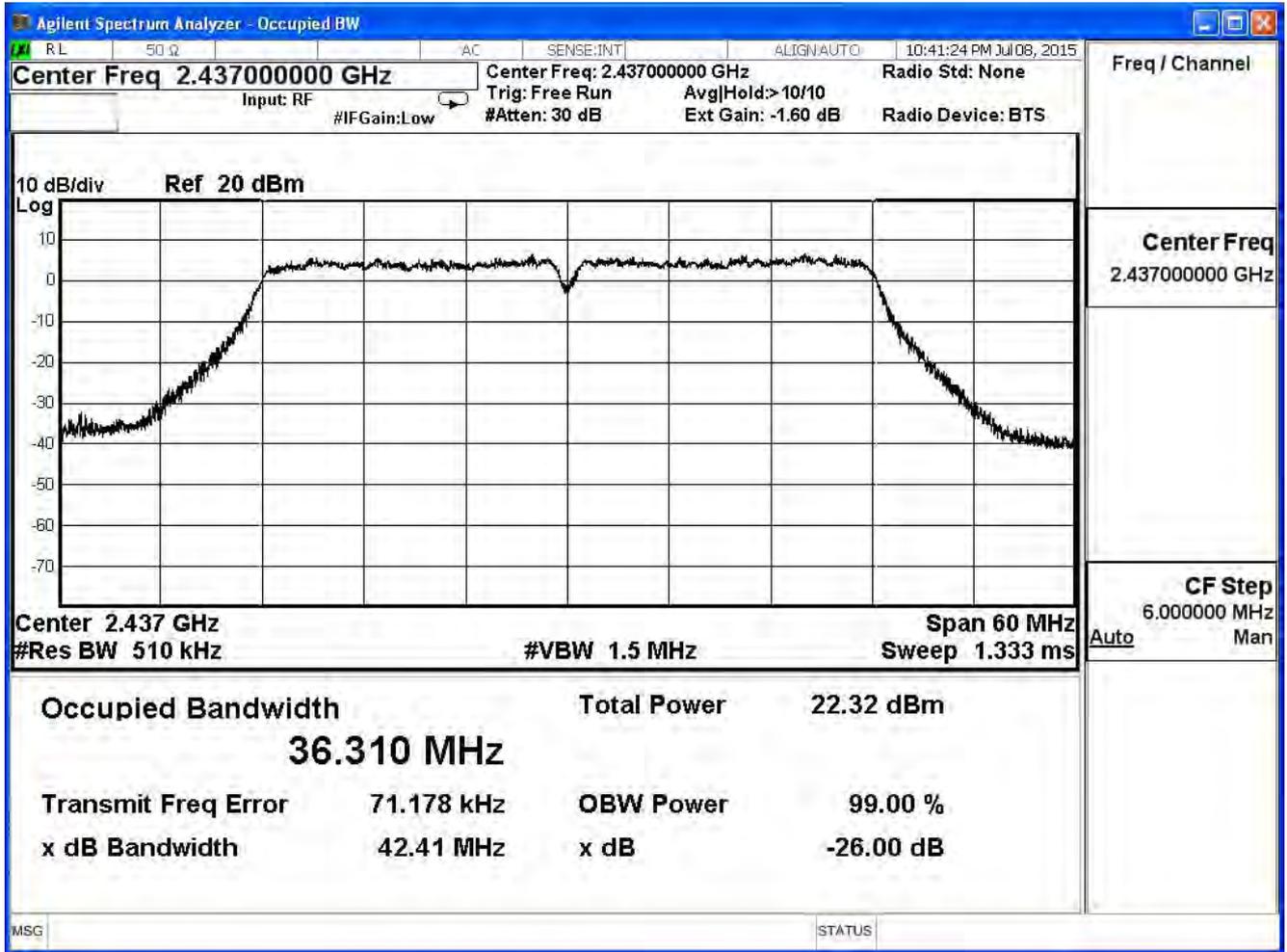
IEEE802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.331	--	Pass
6	2437	36.310	--	Pass
9	2452	36.310	--	Pass

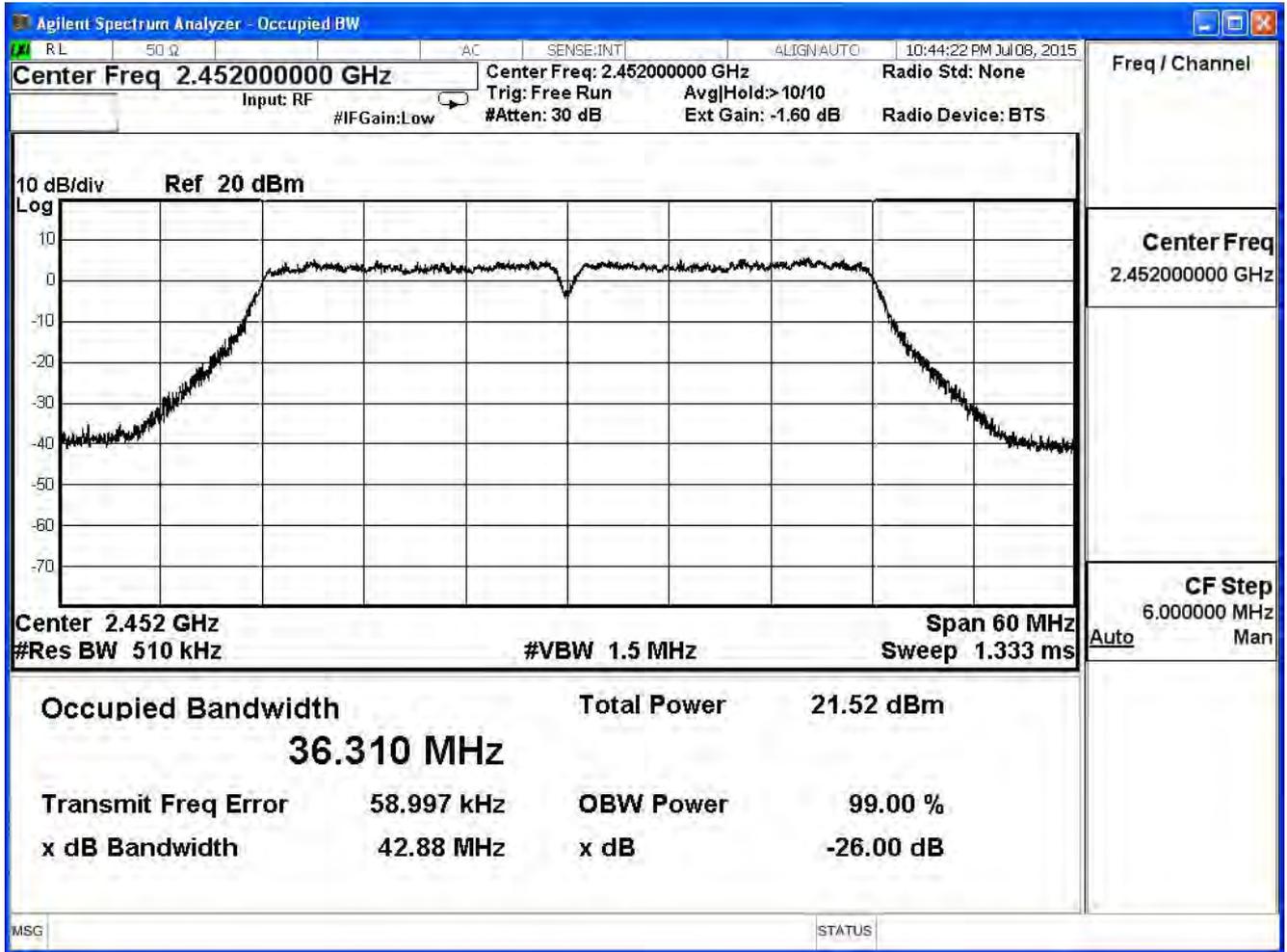
Channel 3



Channel 6



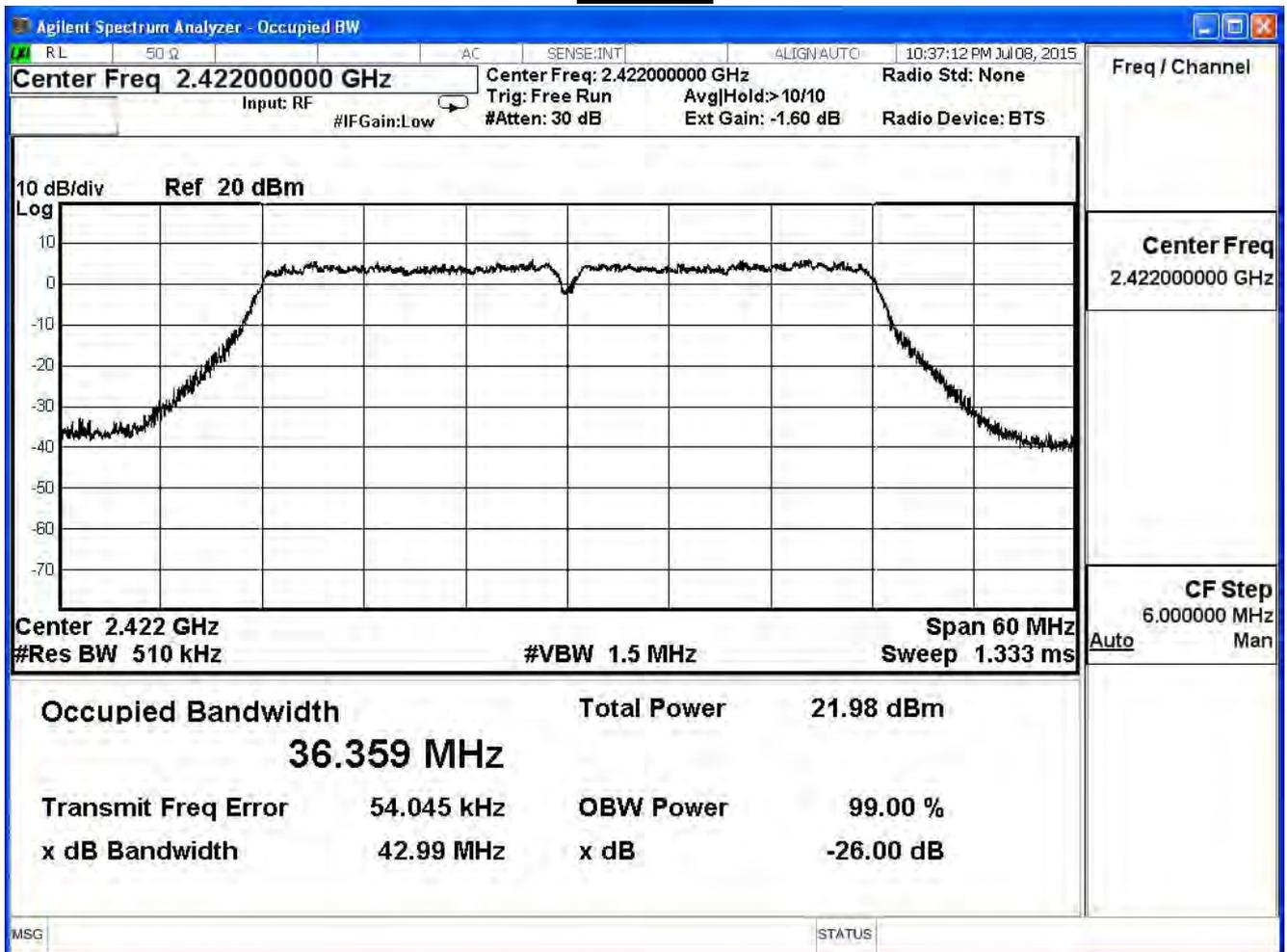
Channel 9



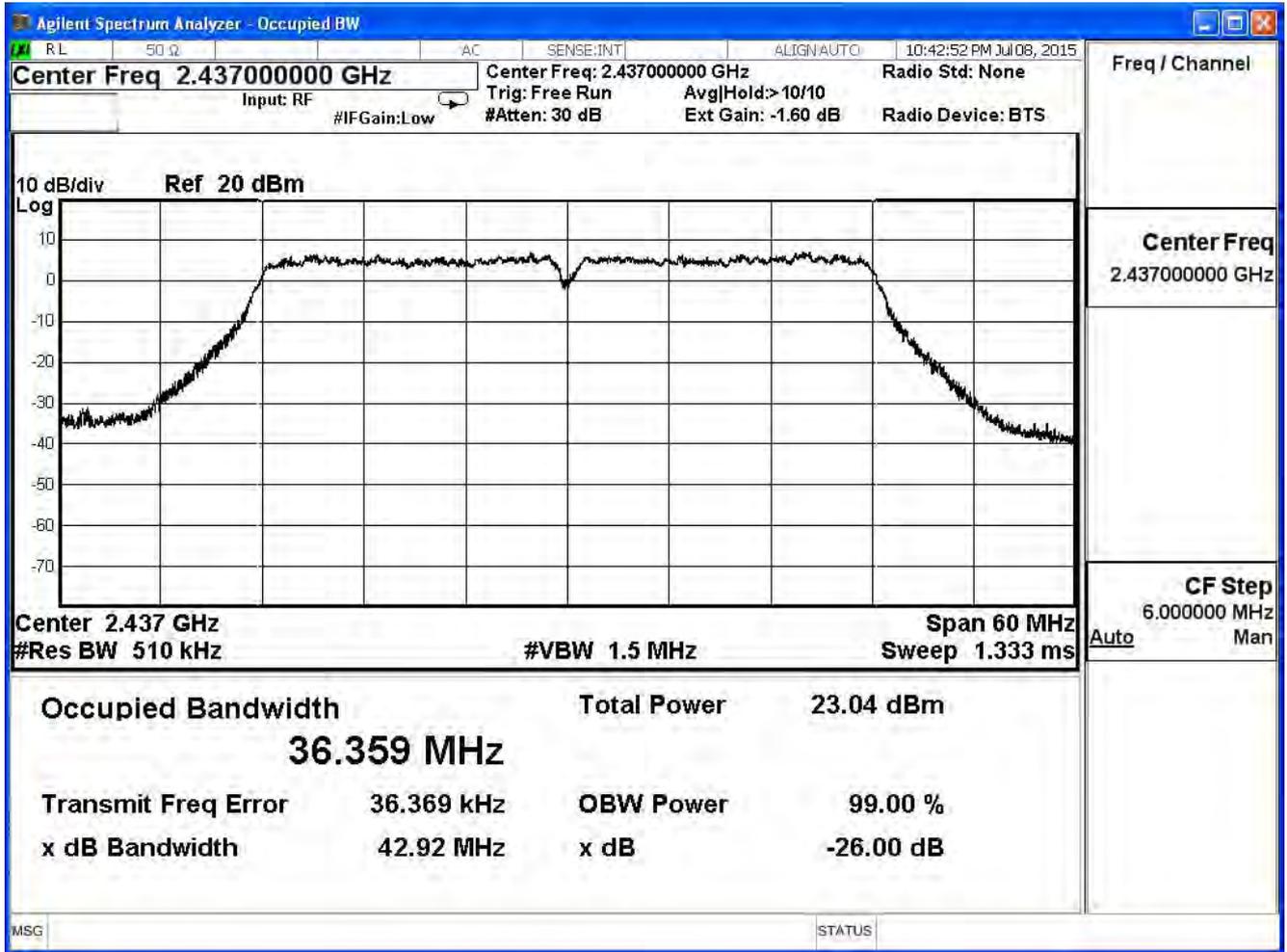
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/07/08	Test Site	SR7

IEEE802.11n 40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.359	--	Pass
6	2437	36.359	--	Pass
9	2452	36.335	--	Pass

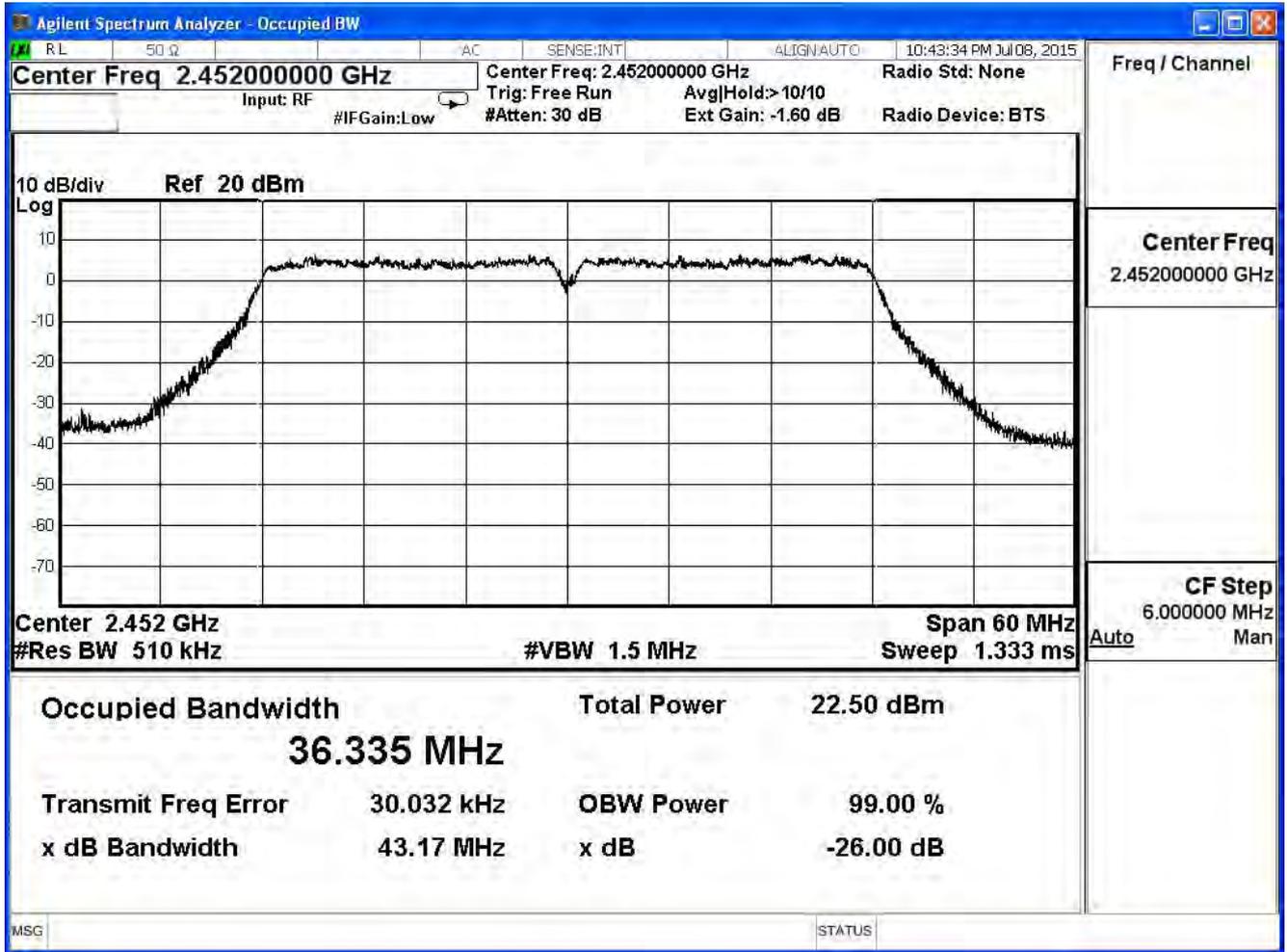
Channel 3



Channel 6



Channel 9

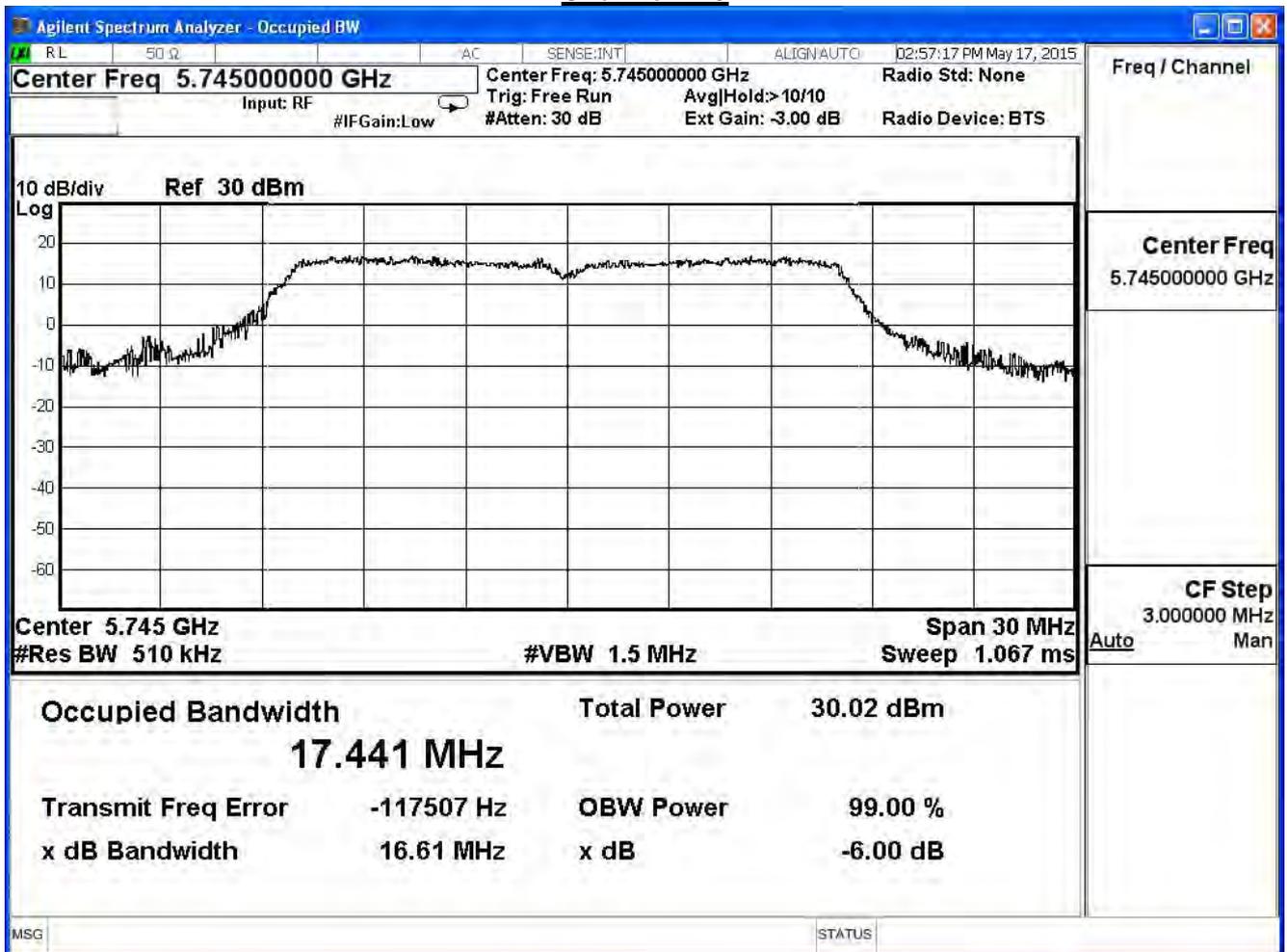


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/17	Test Site	SR7

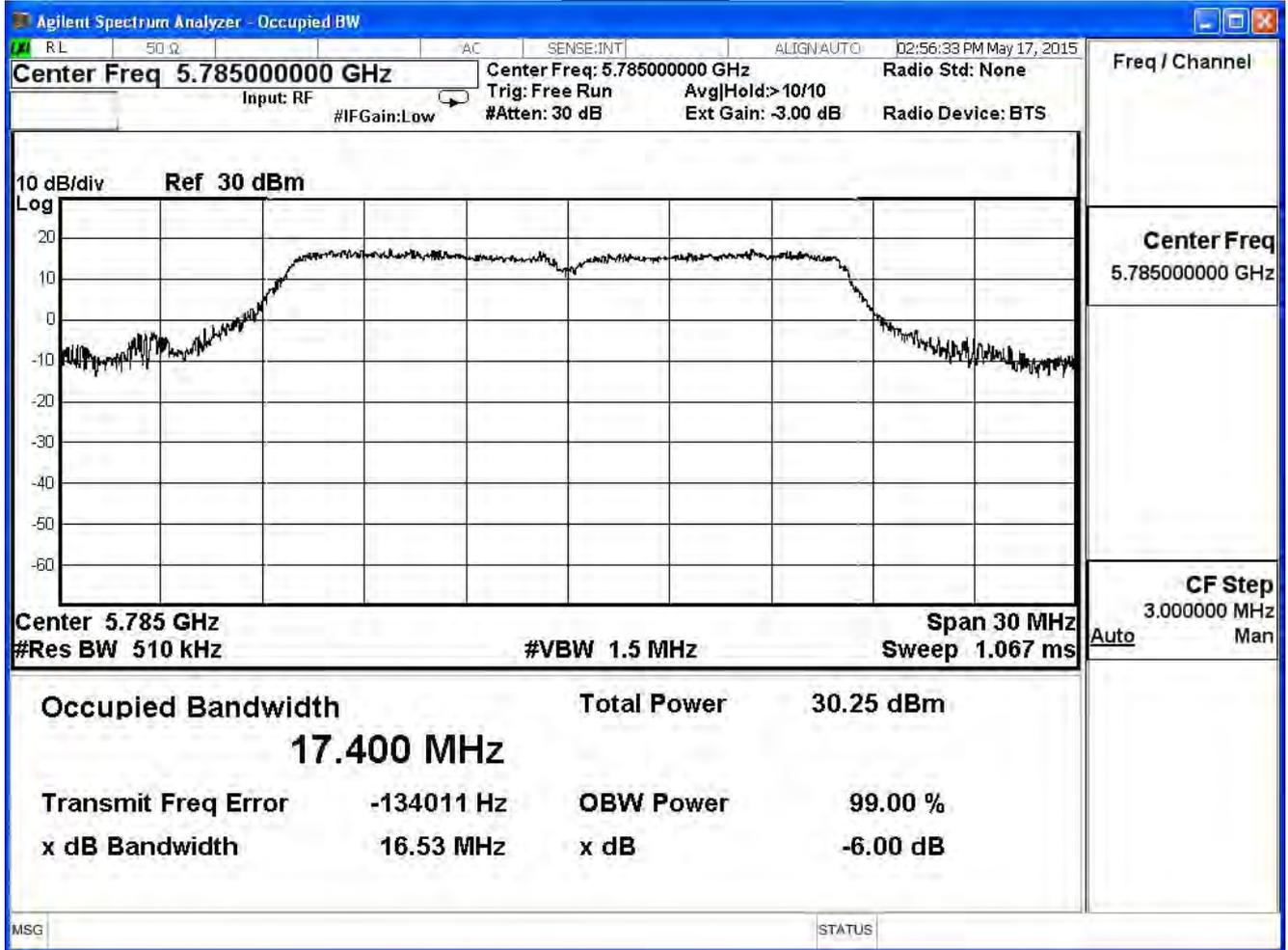
802.11 a (ANT 0)

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

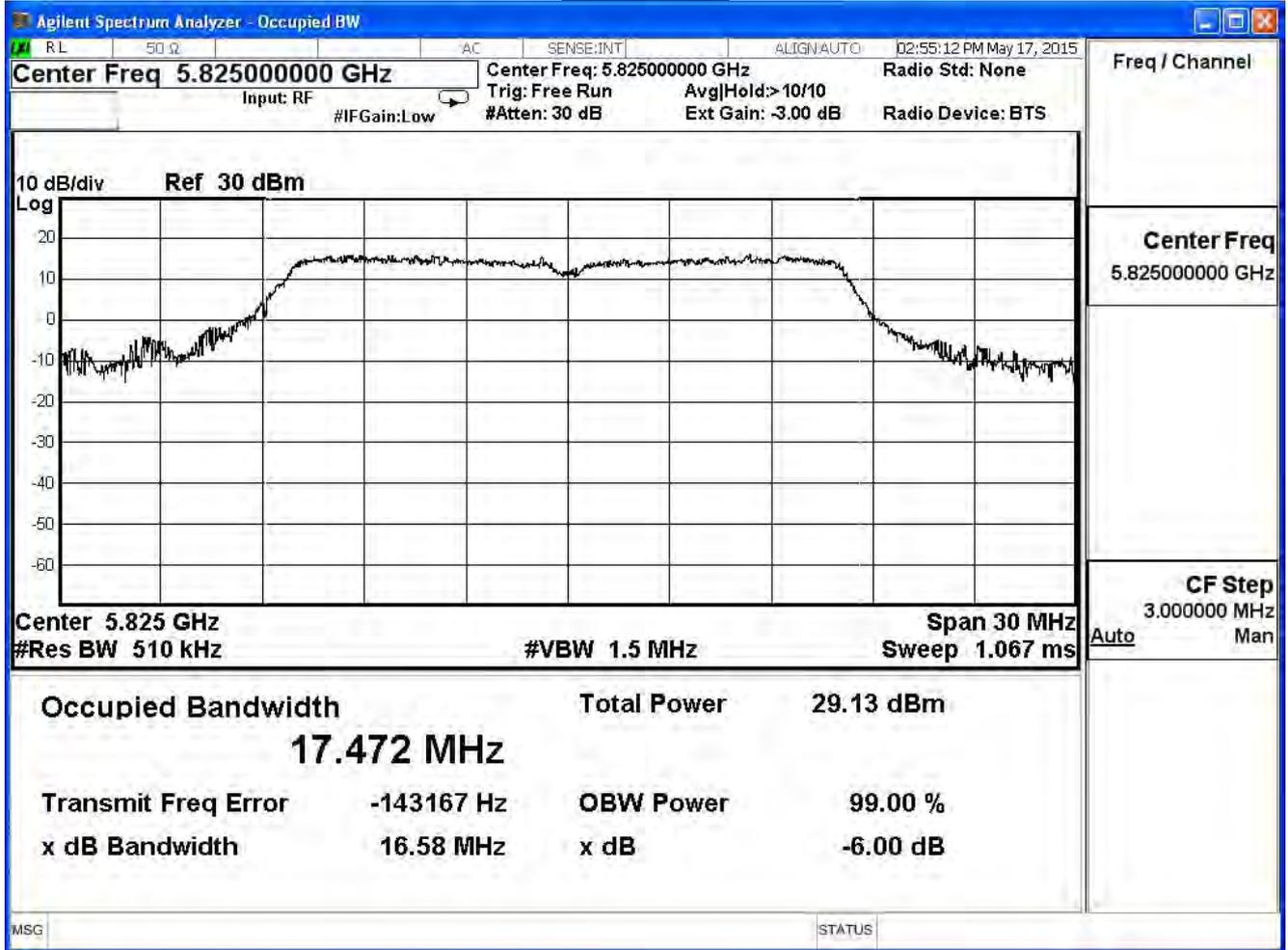
Channel 149



Channel 157



Channel 165

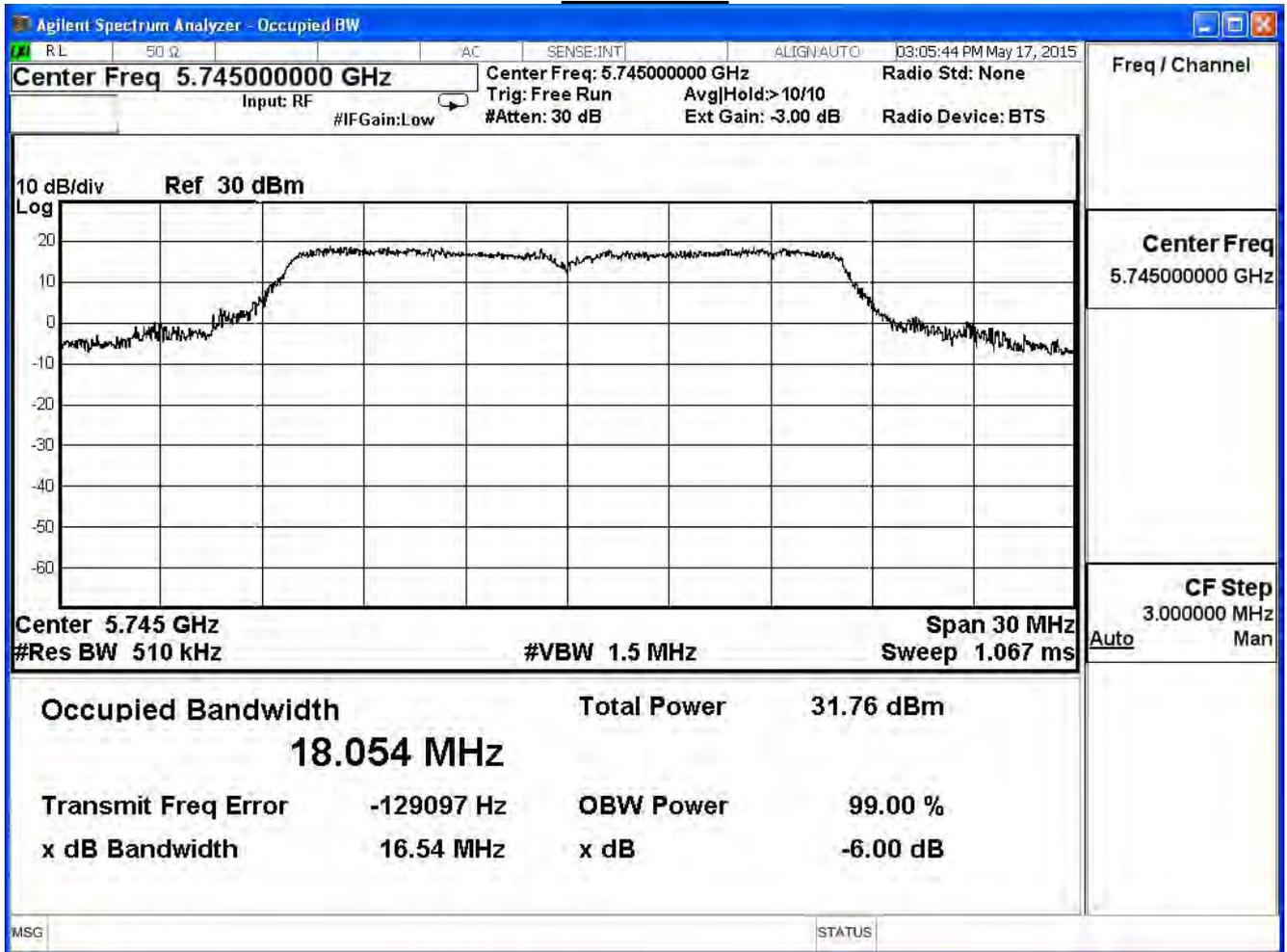


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/17	Test Site	SR7

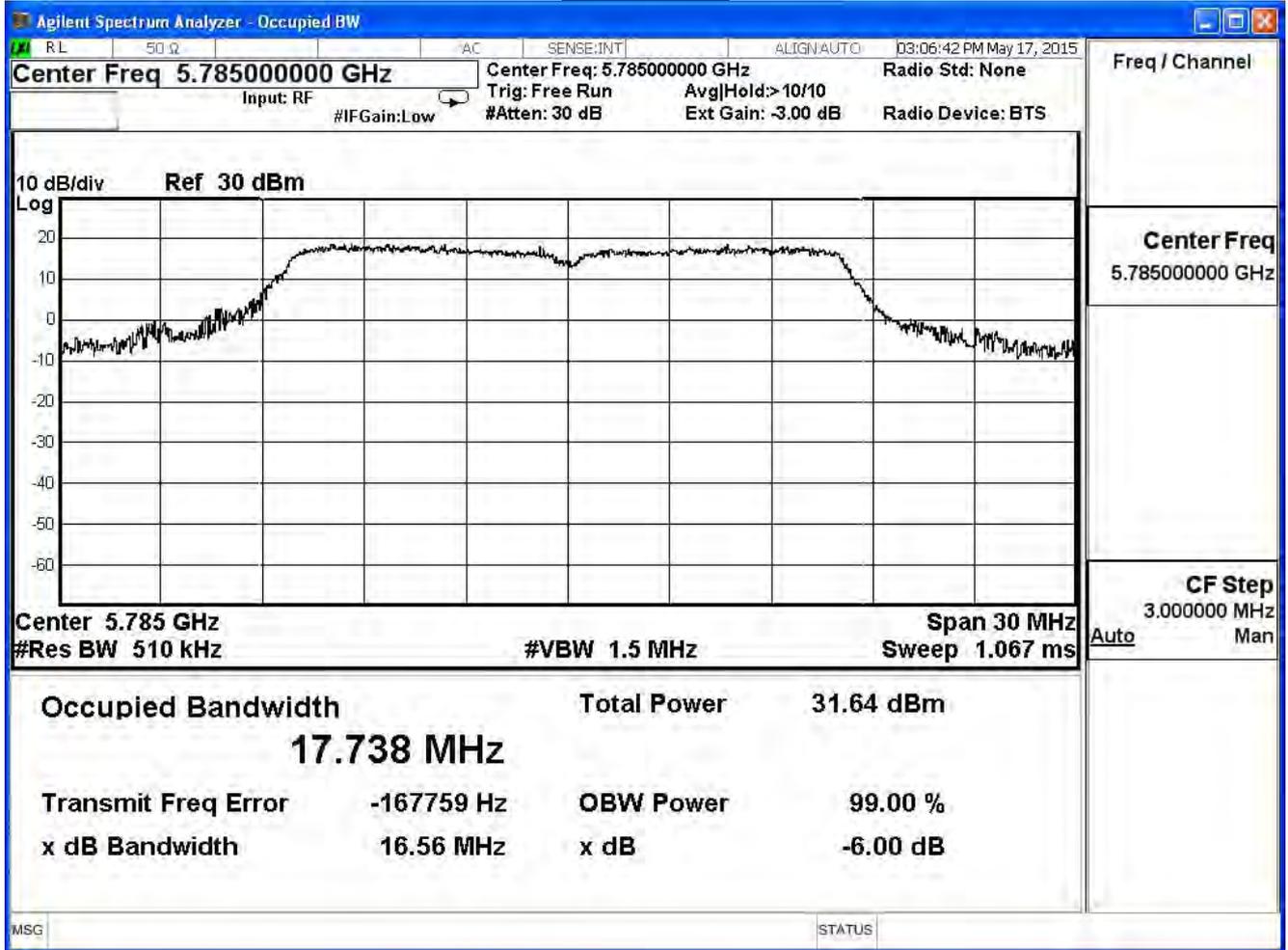
802.11 a (ANT 1)

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

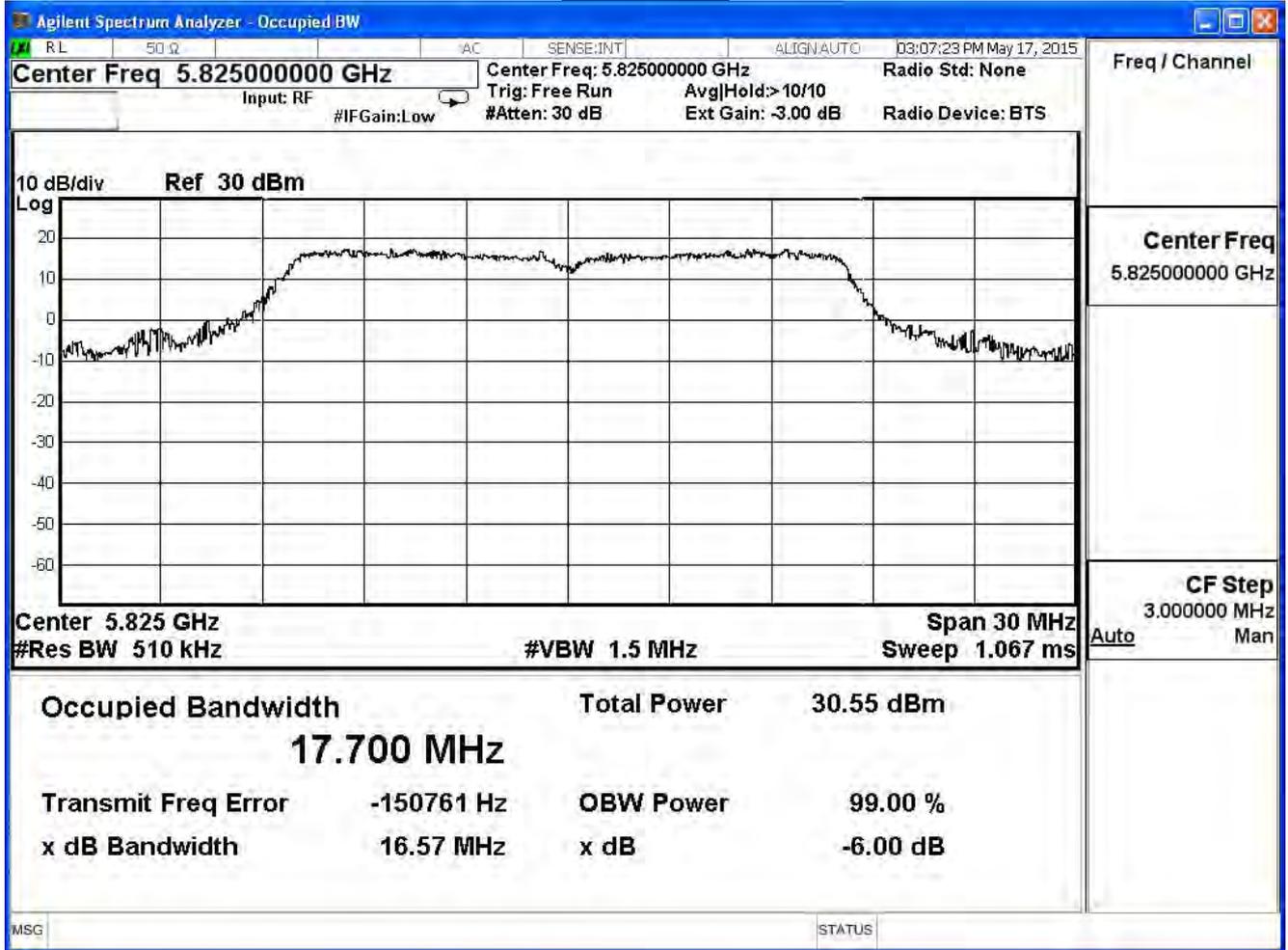
Channel 149



Channel 157



Channel 165

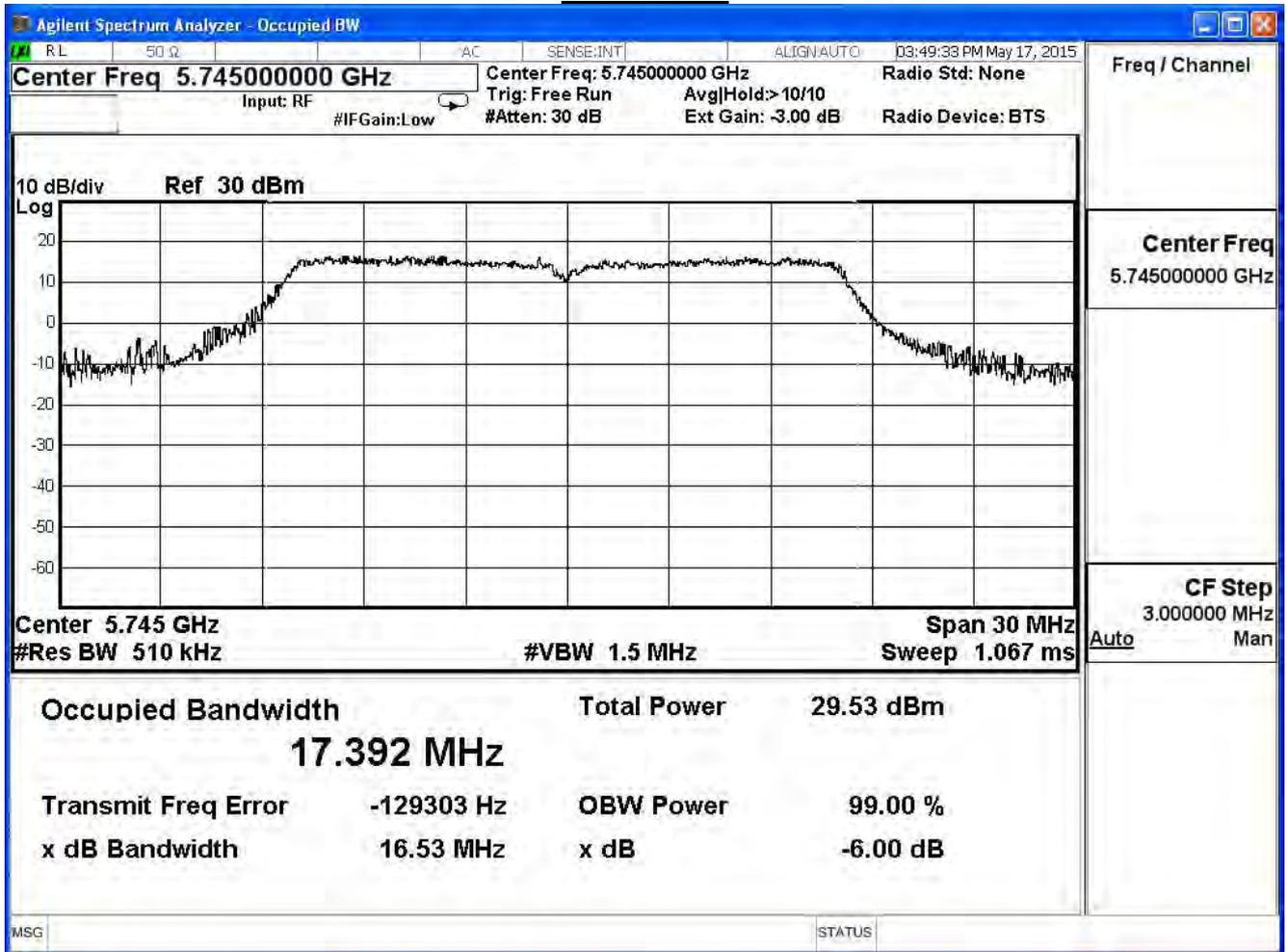


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/17	Test Site	SR7

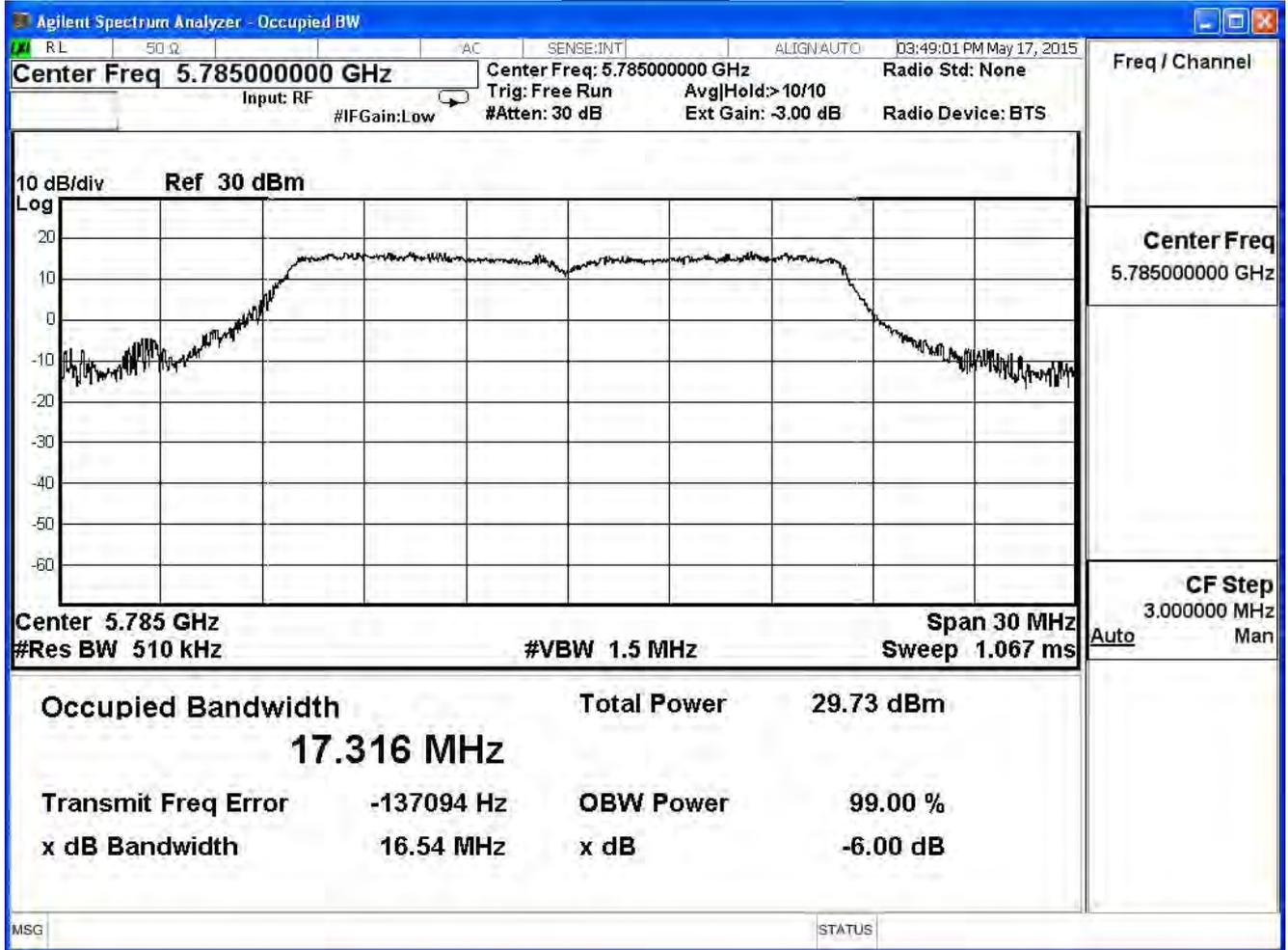
802.11 a (ANT 2)

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

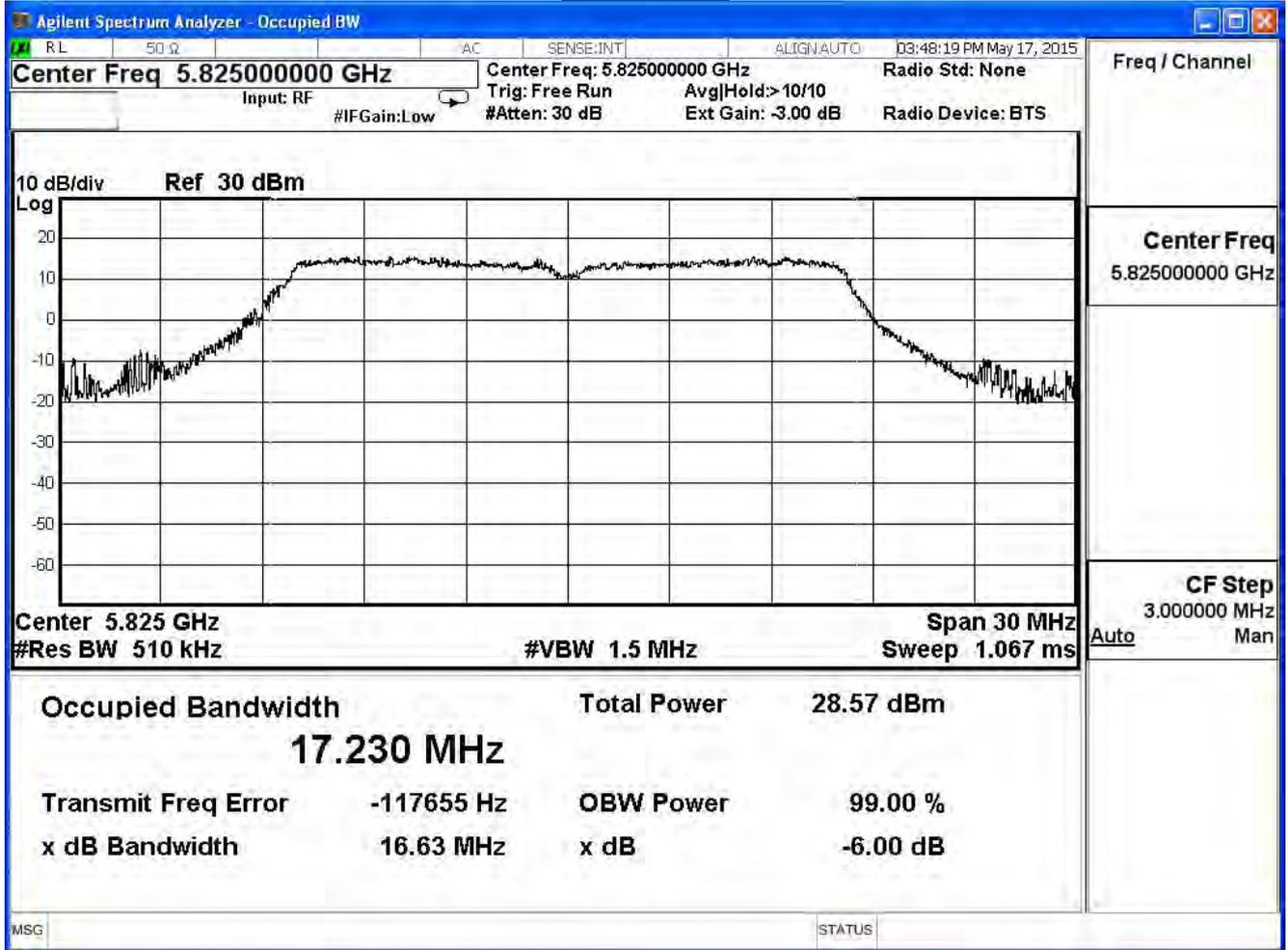
Channel 149



Channel 157



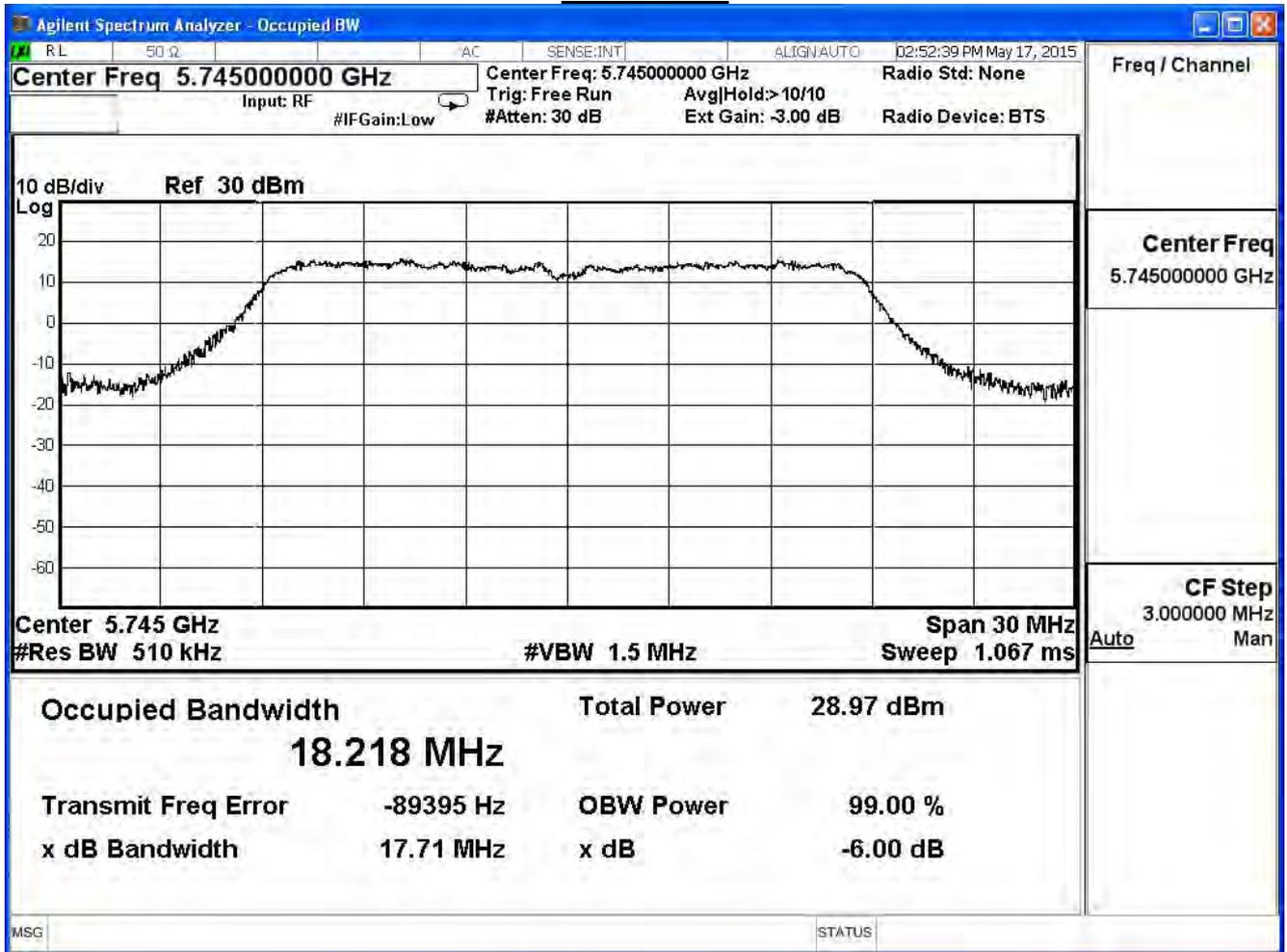
Channel 165



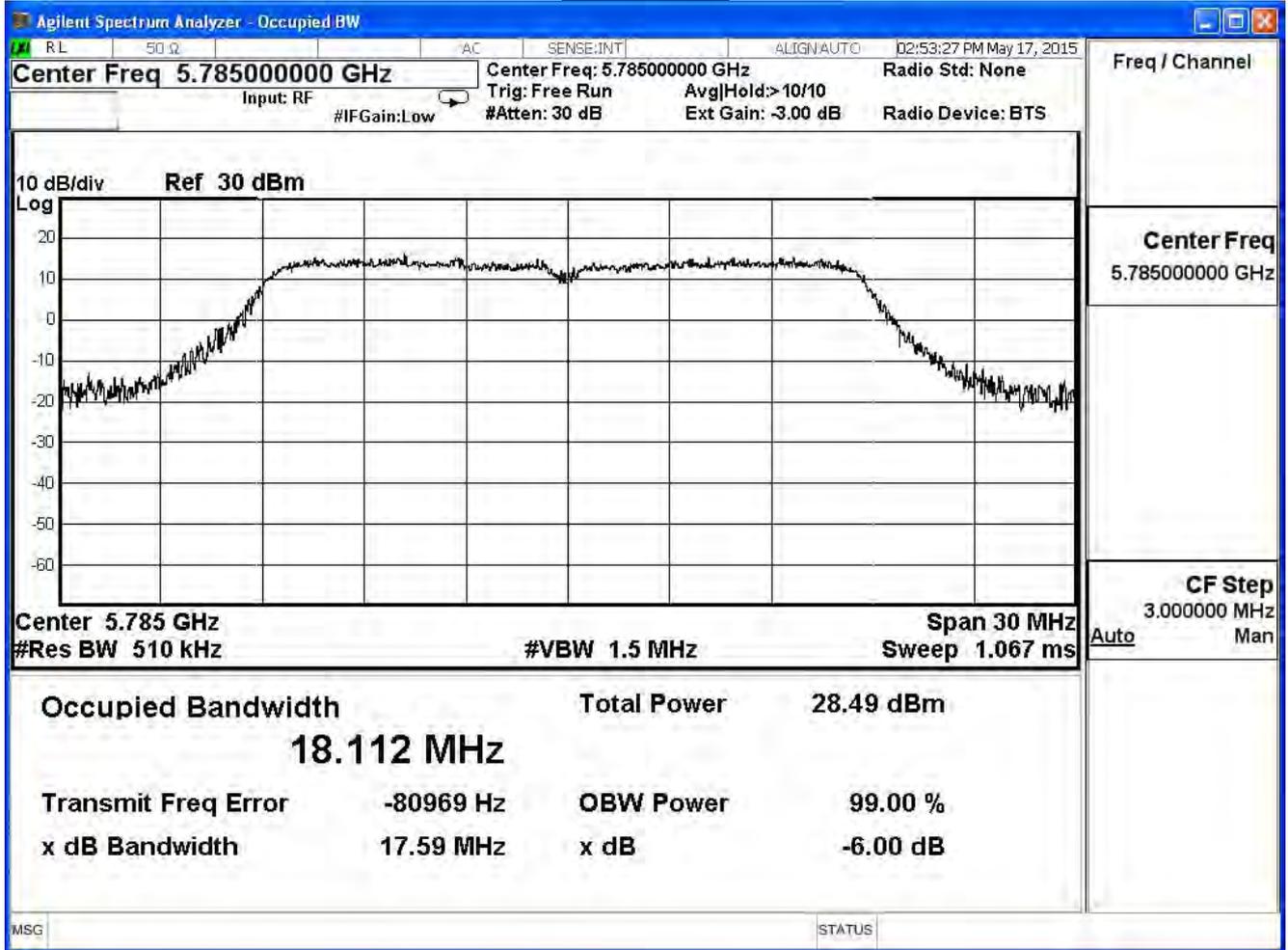
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/17	Test Site	SR7

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

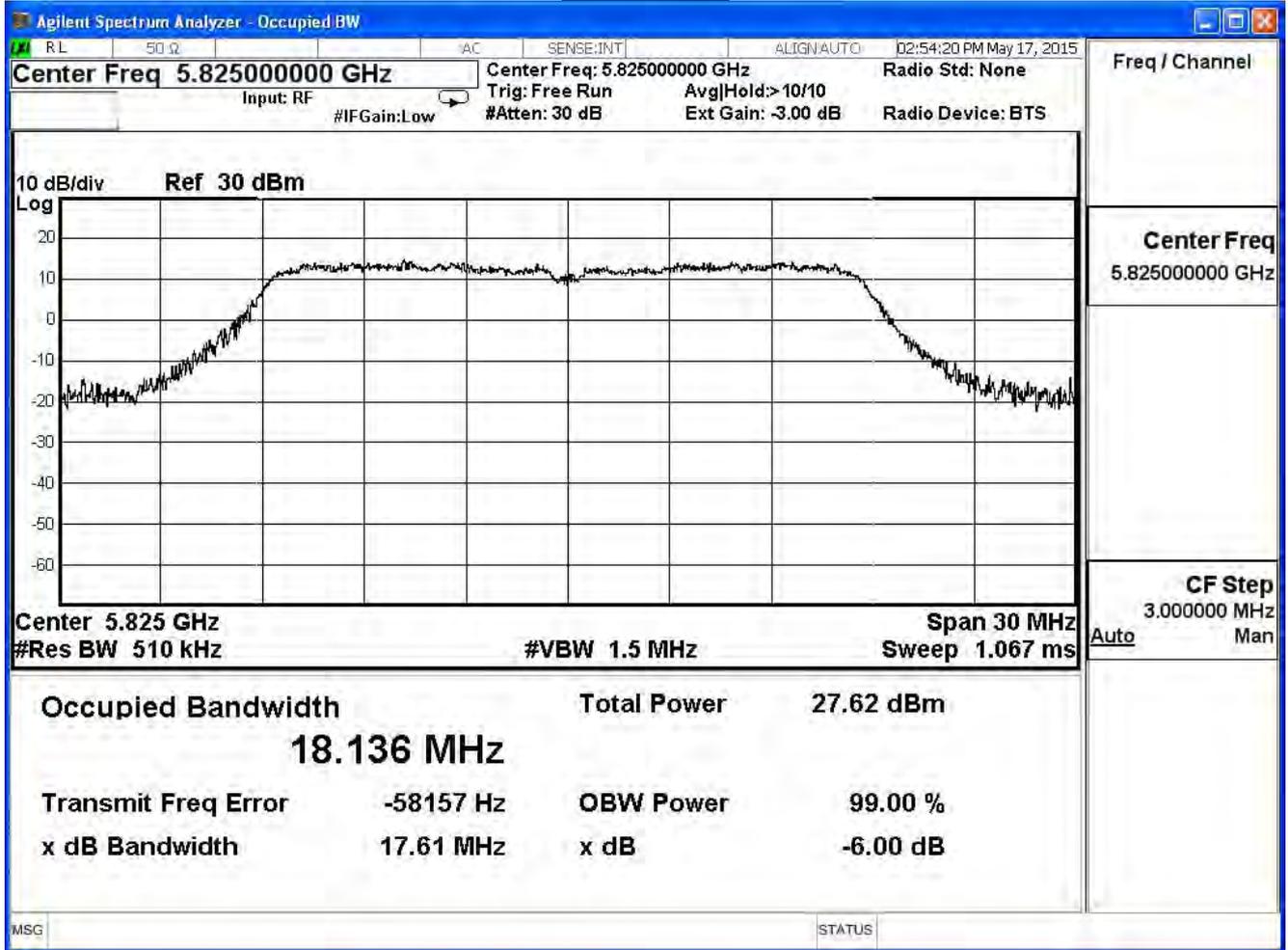
Channel 149



Channel 157



Channel 165

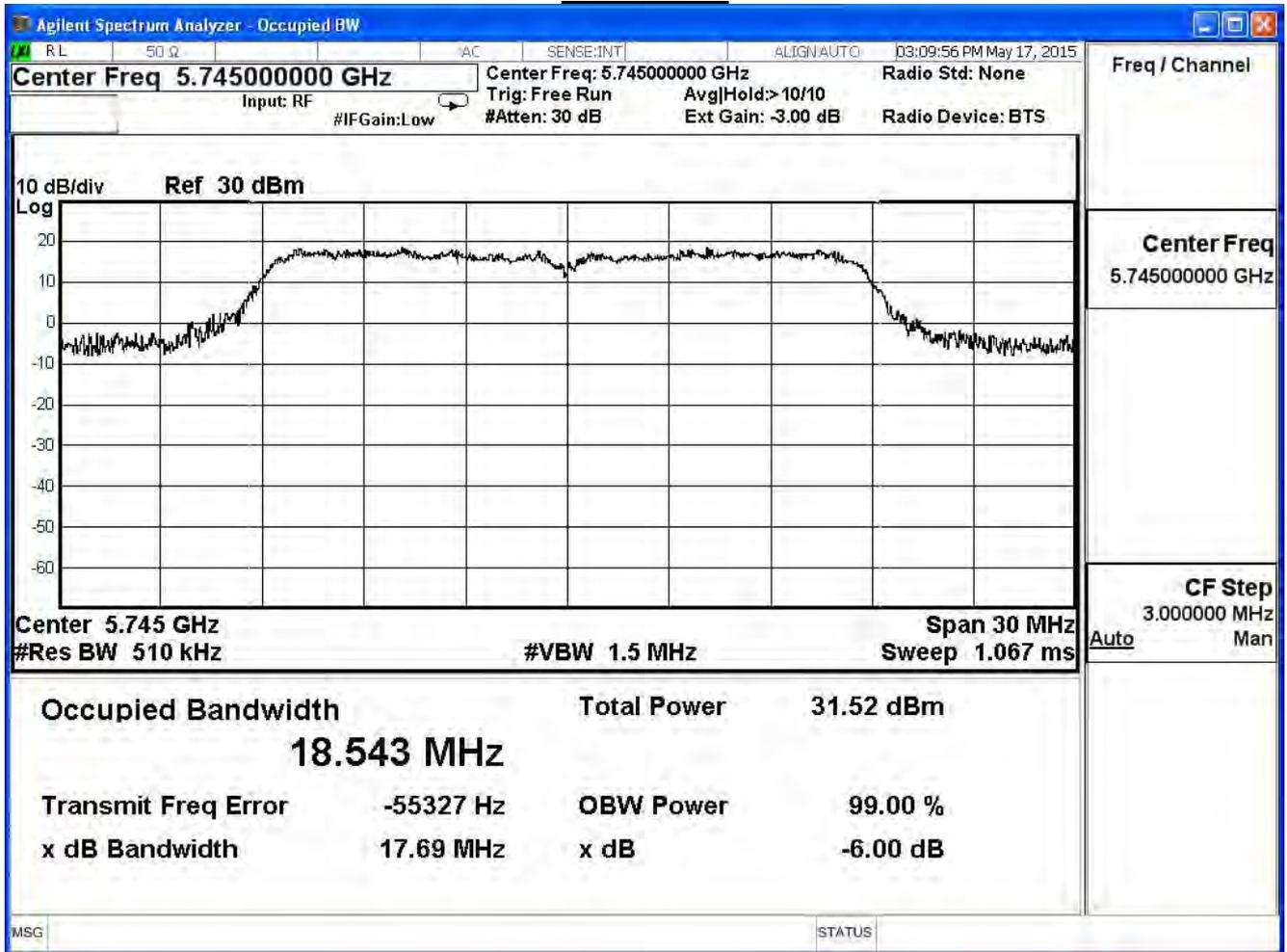


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/17	Test Site	SR7

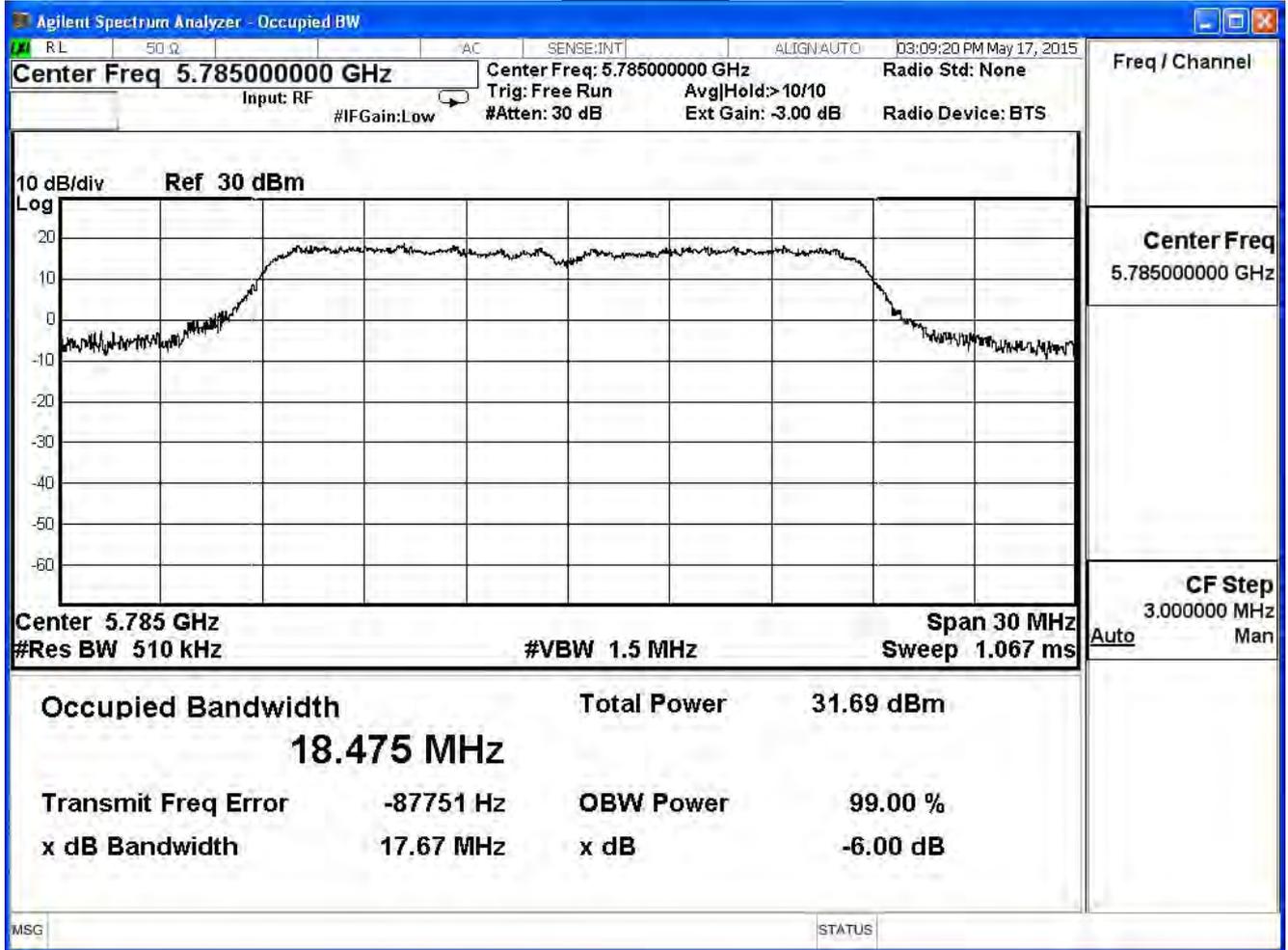
IEEE 802.11n (20MHz)(ANT 1)

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

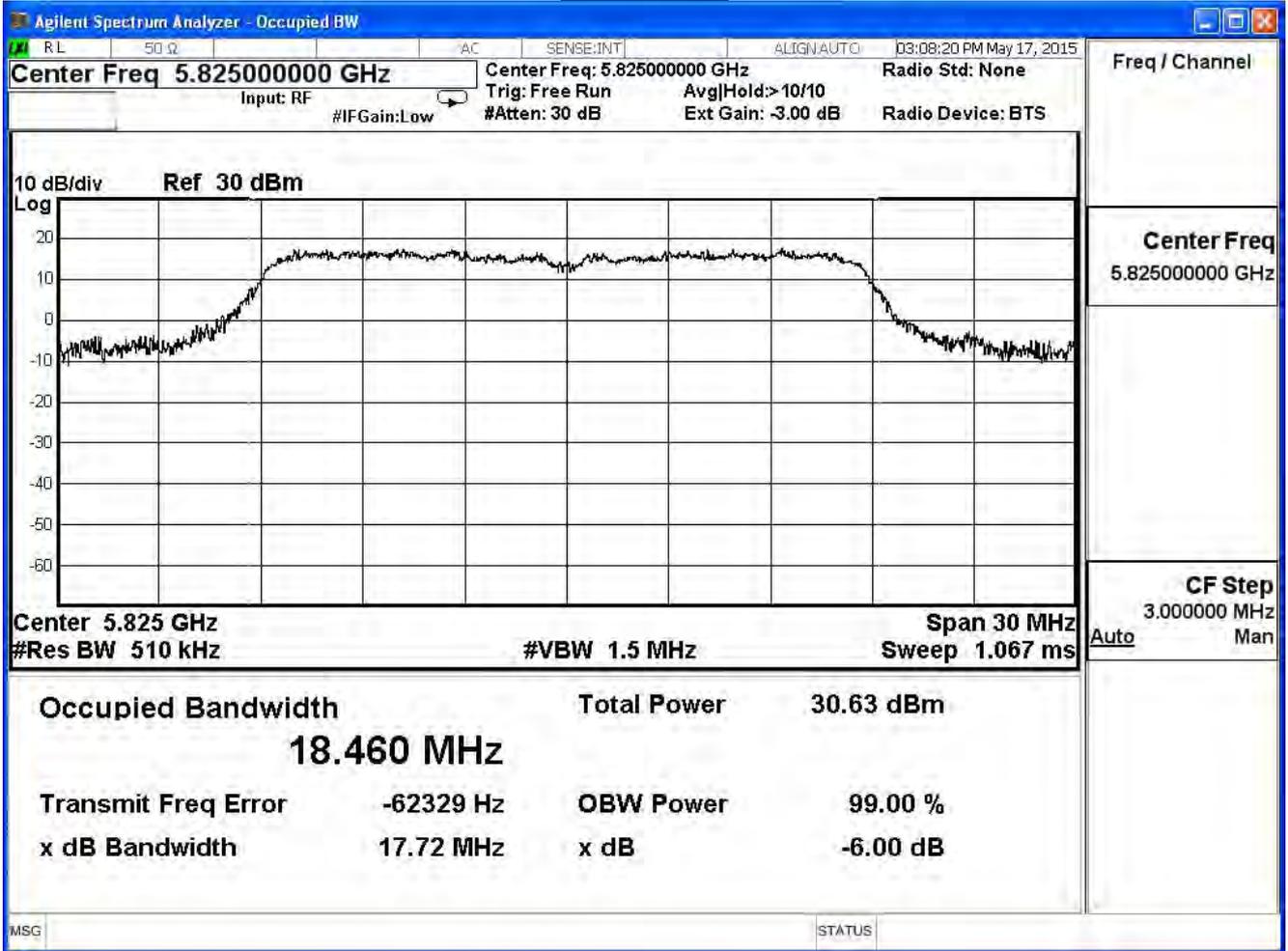
Channel 149



Channel 157



Channel 165

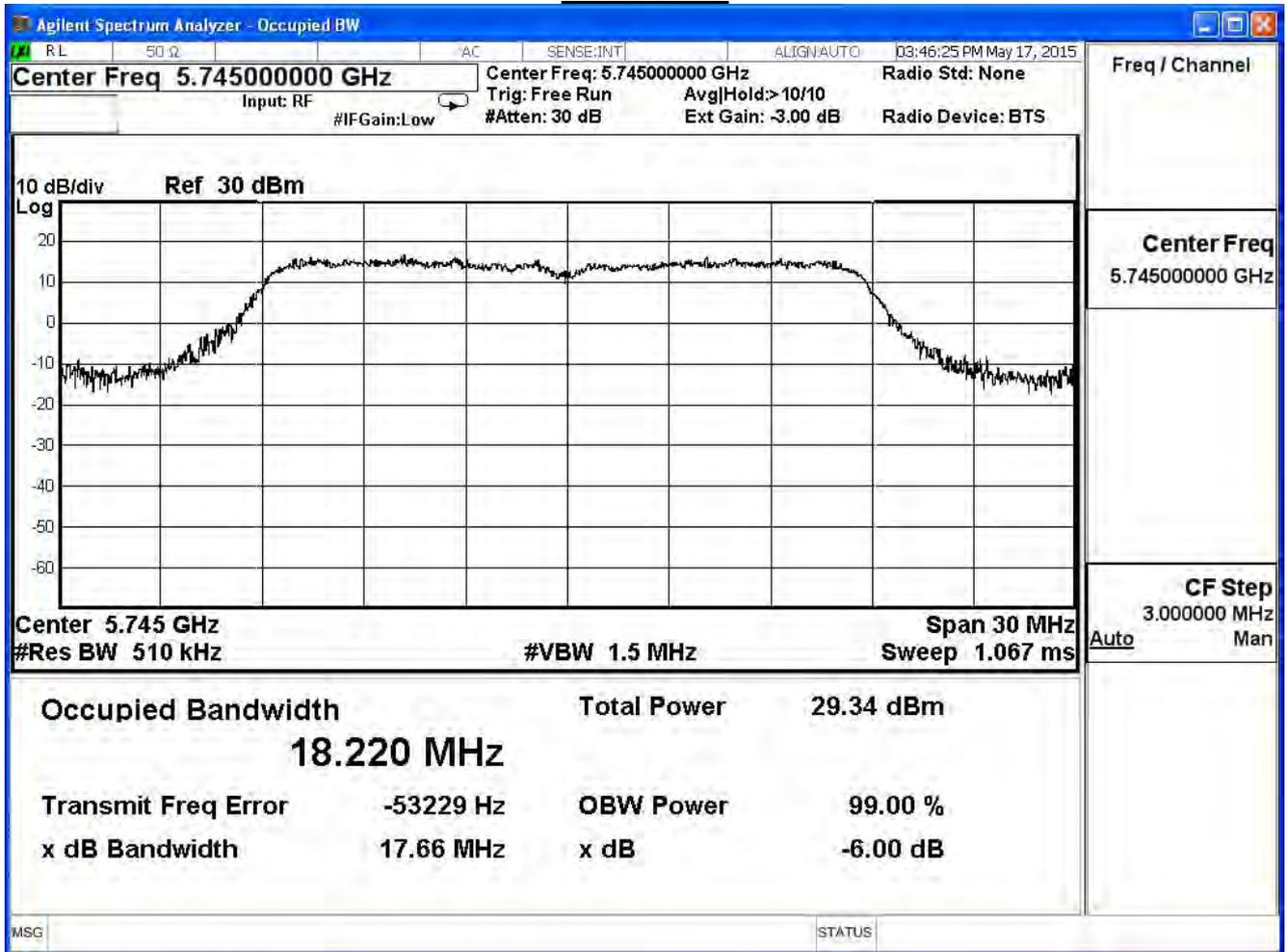


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/17	Test Site	SR7

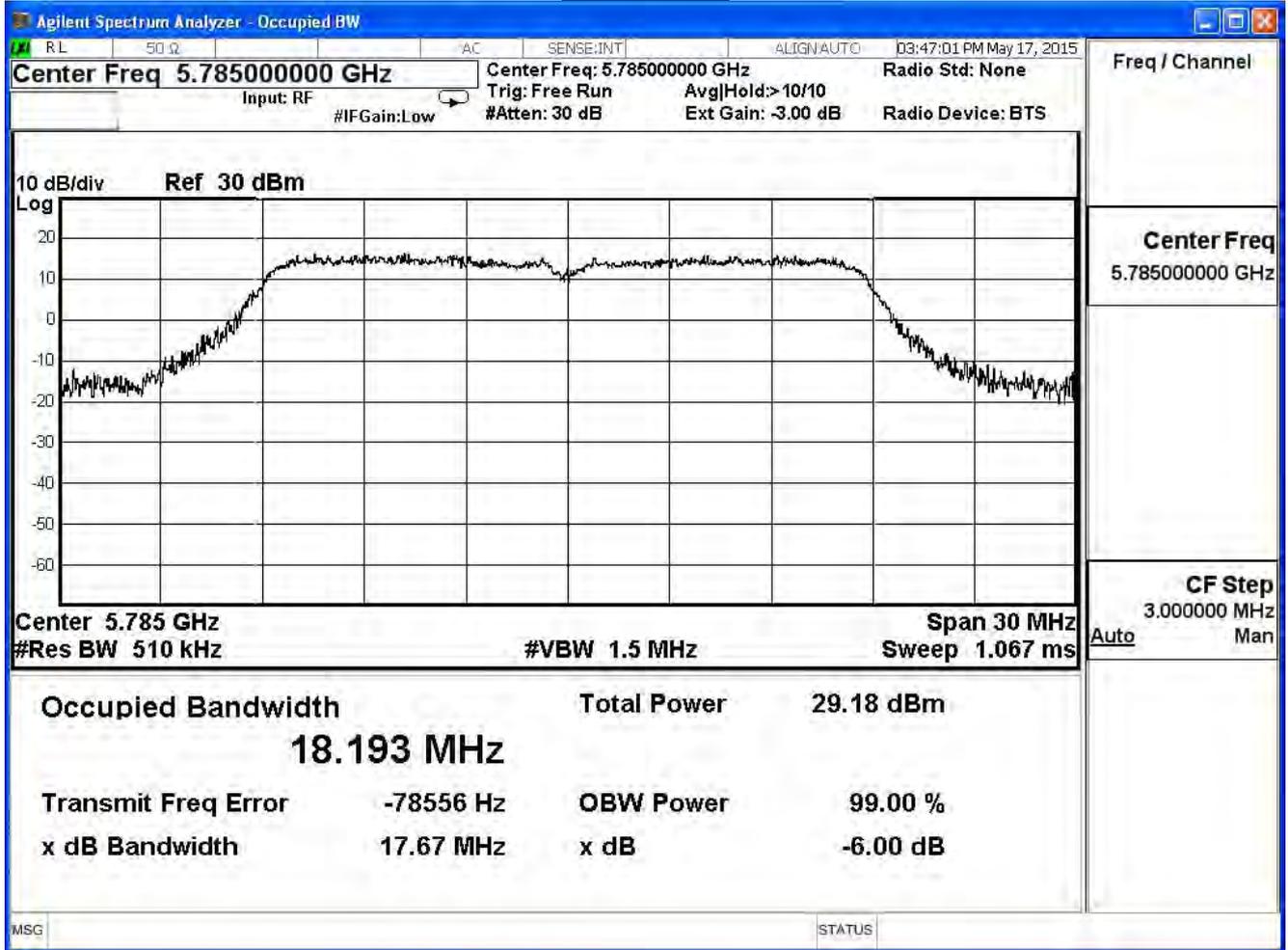
IEEE 802.11n (20MHz)(ANT 2)

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

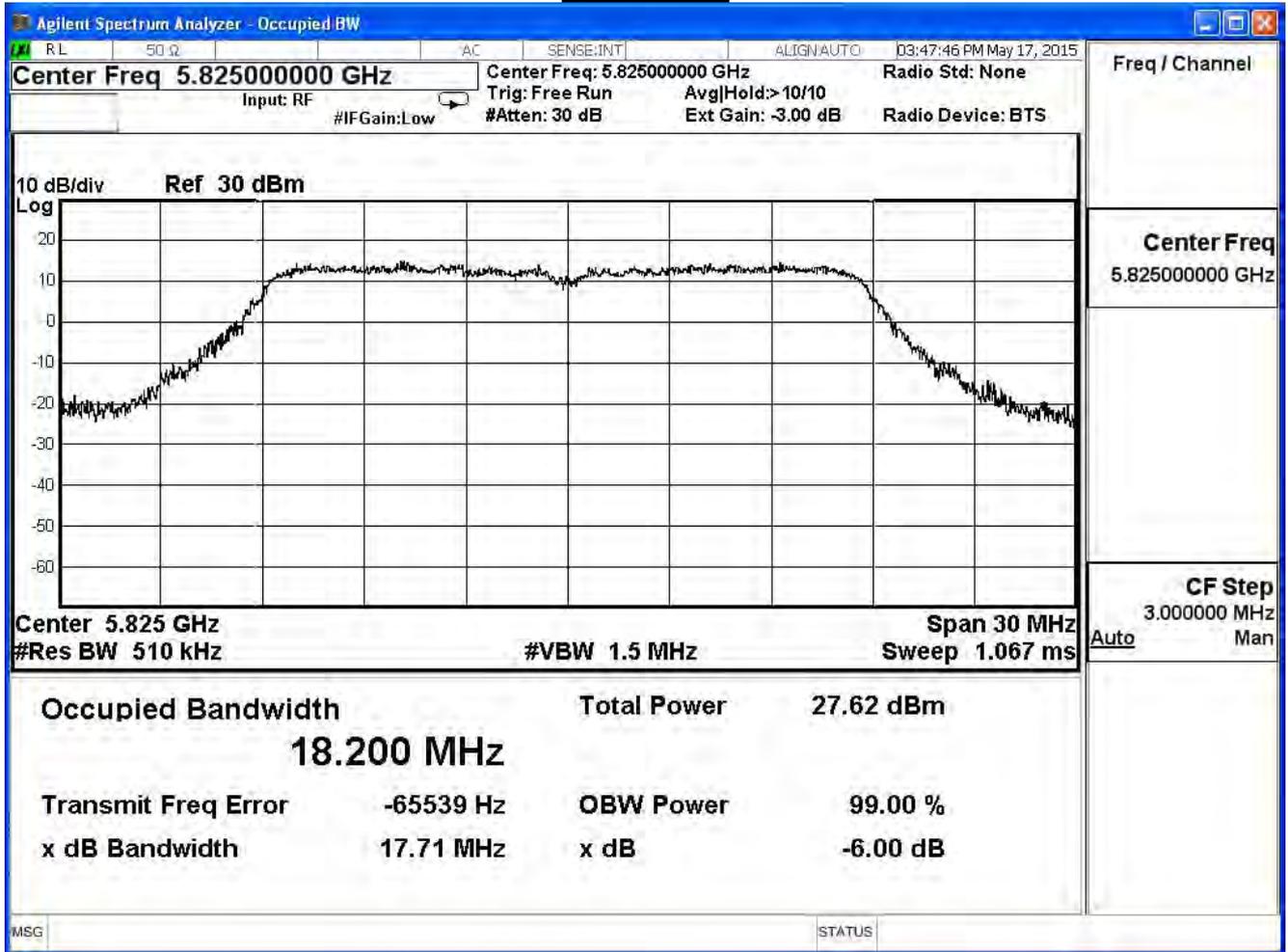
Channel 149



Channel 157



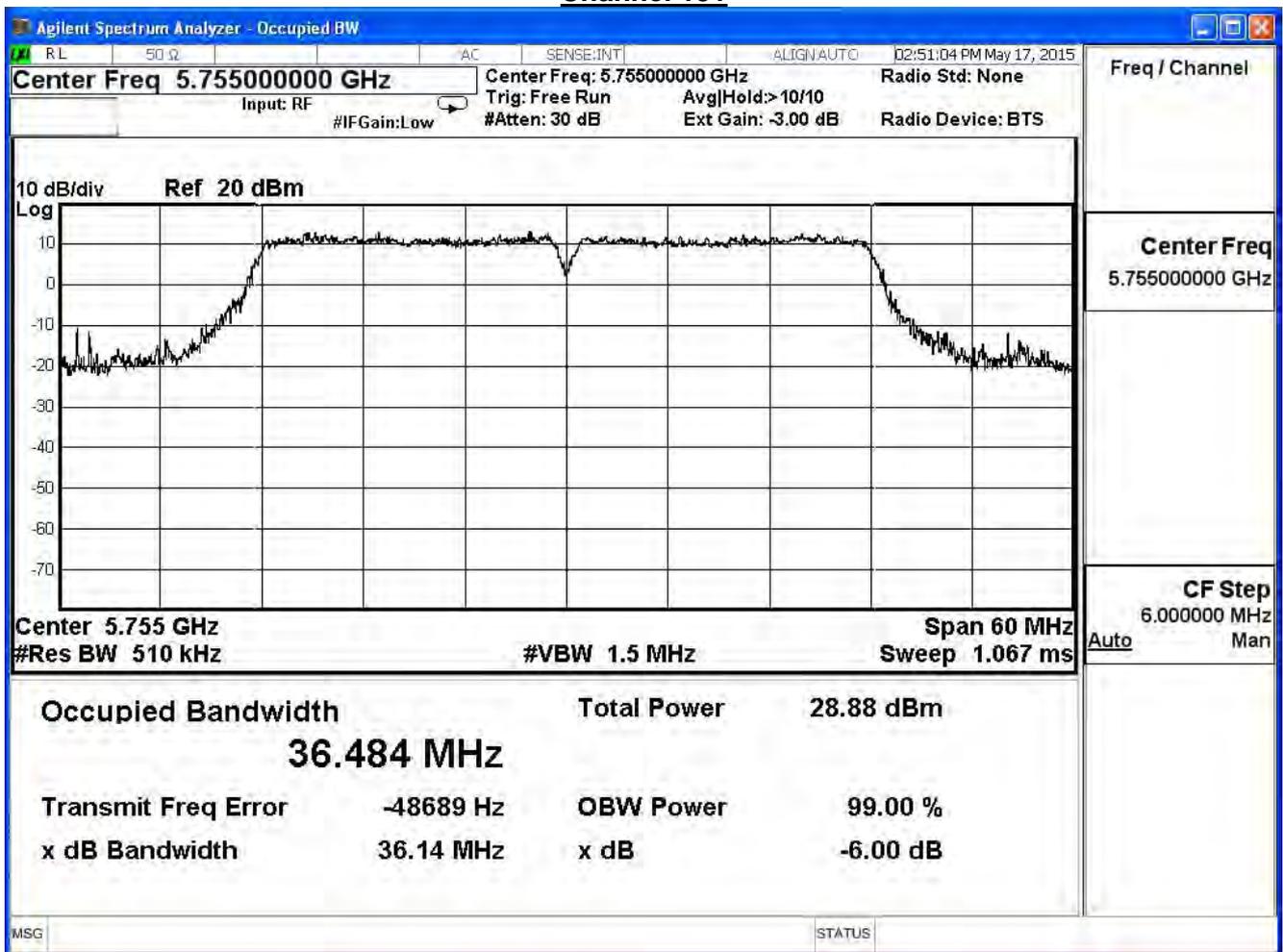
Channel 165



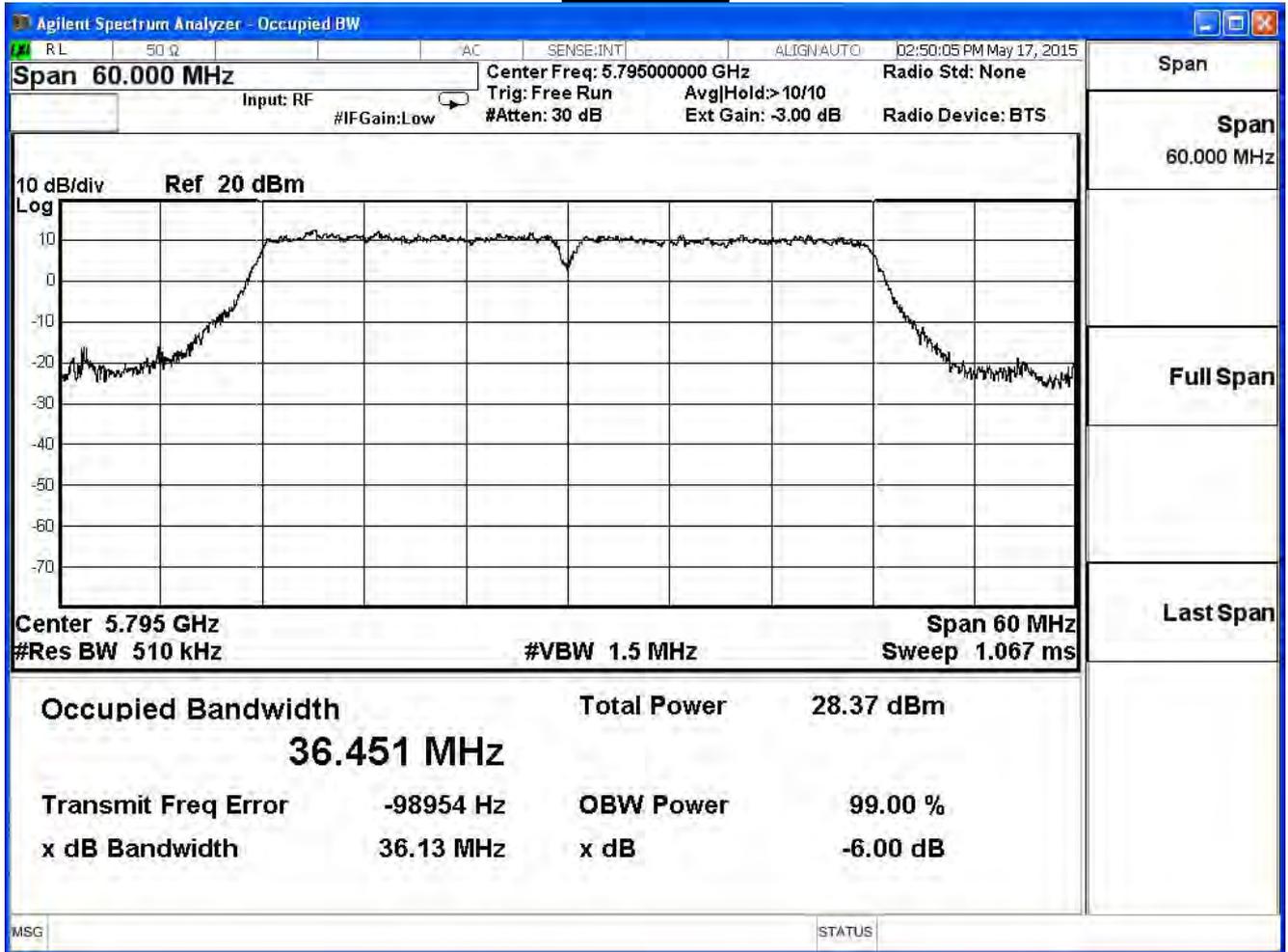
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/17	Test Site	SR7

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



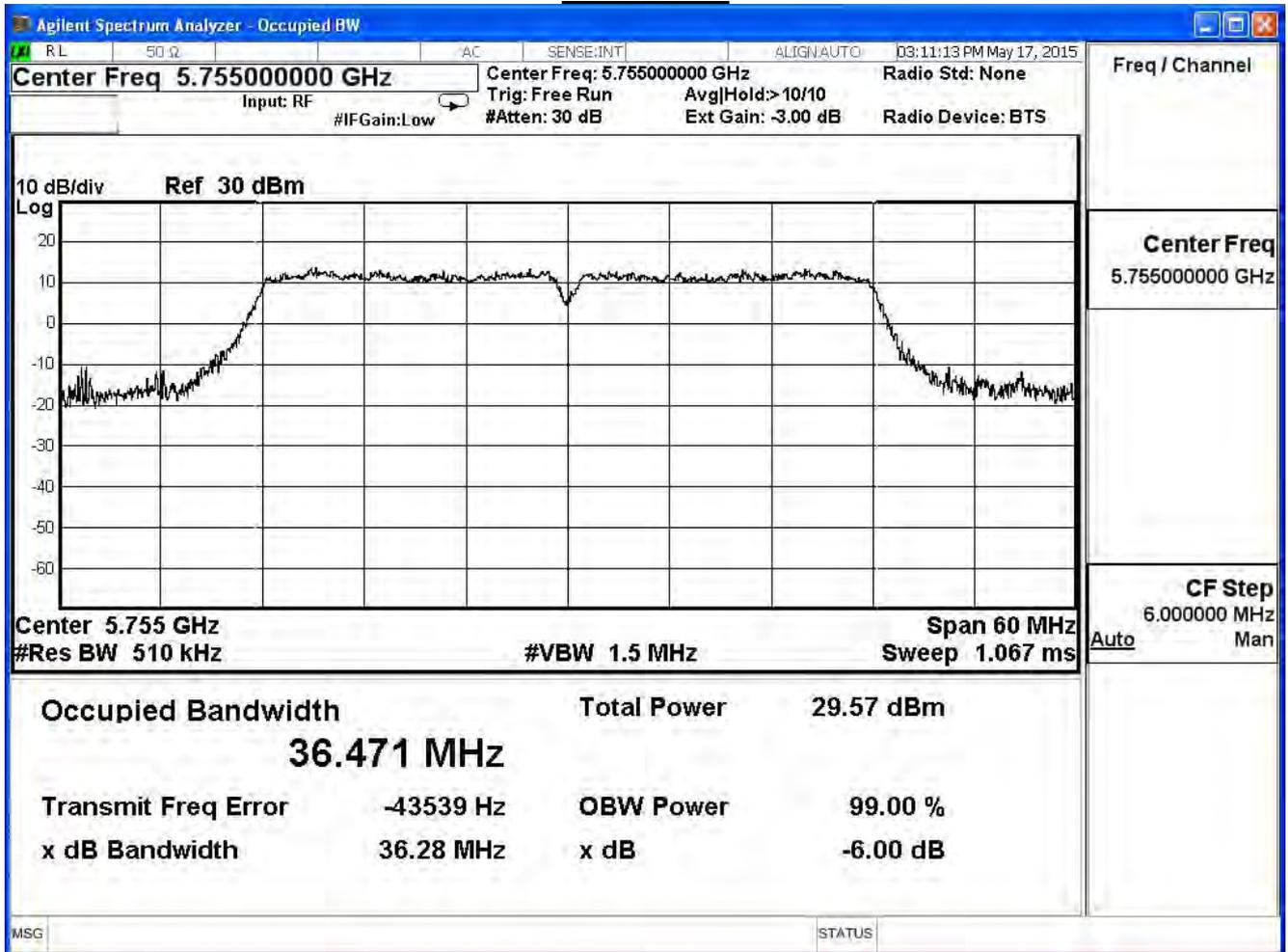
Channel 159



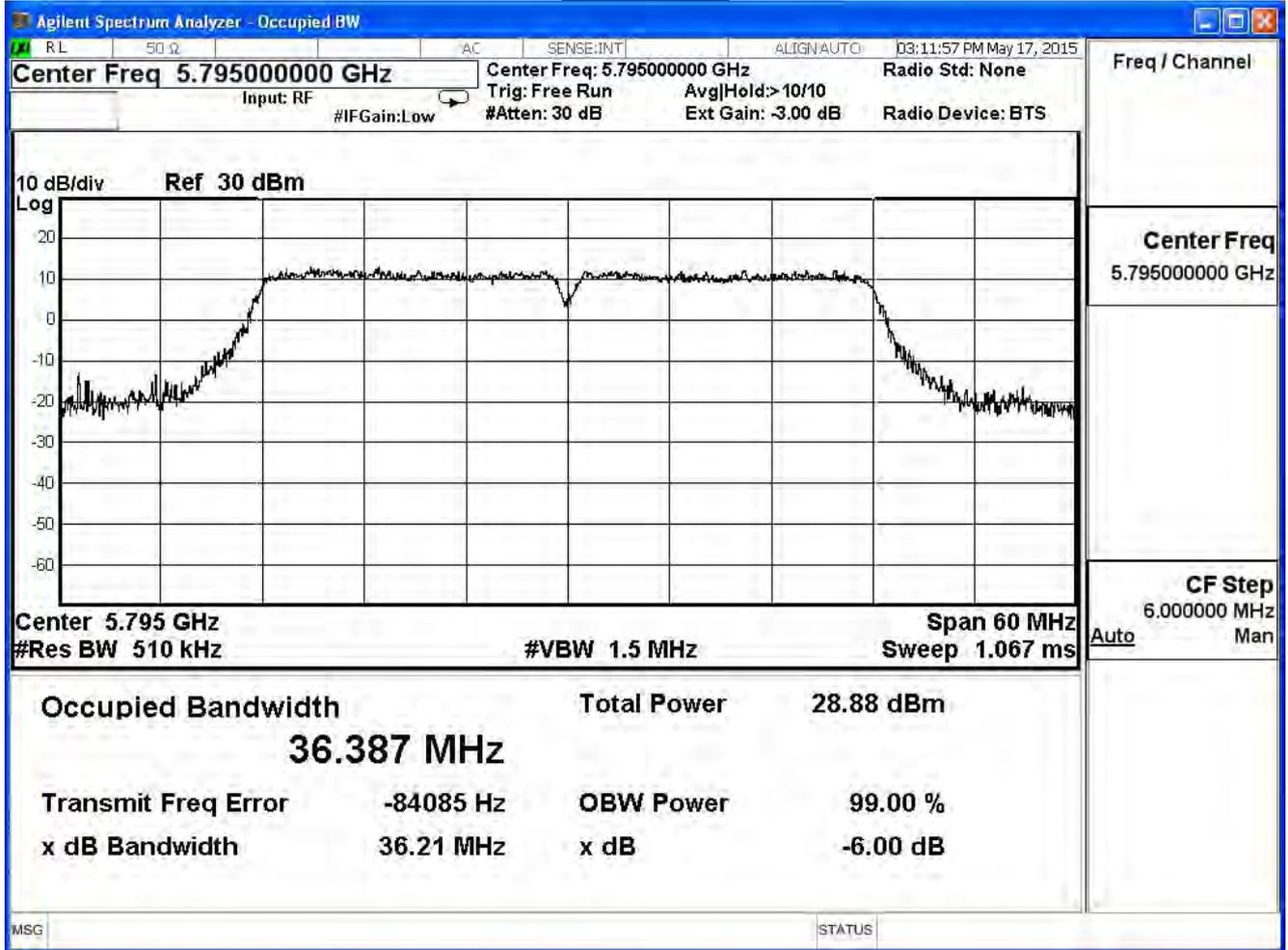
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/17	Test Site	SR7

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



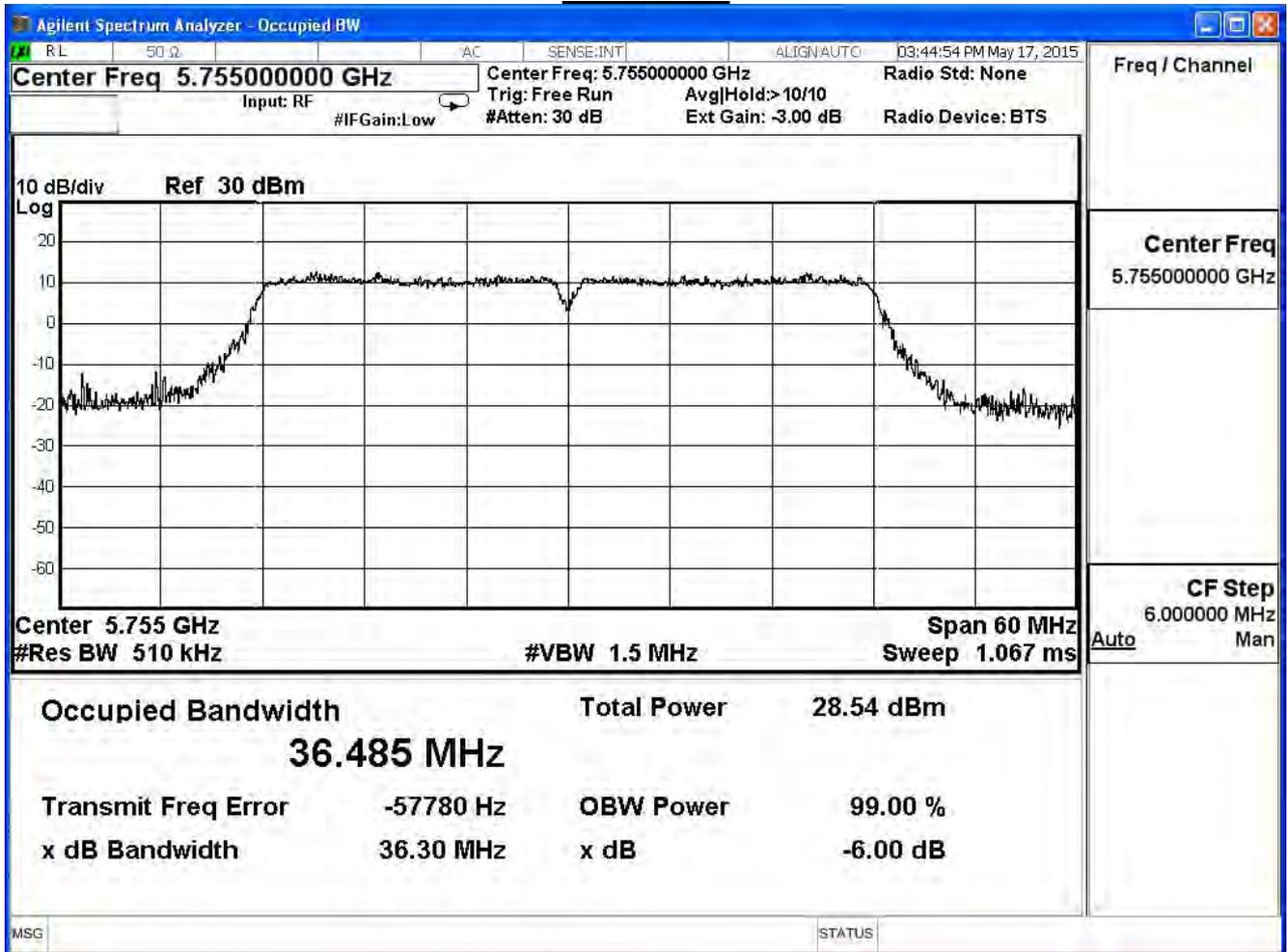
Channel 159



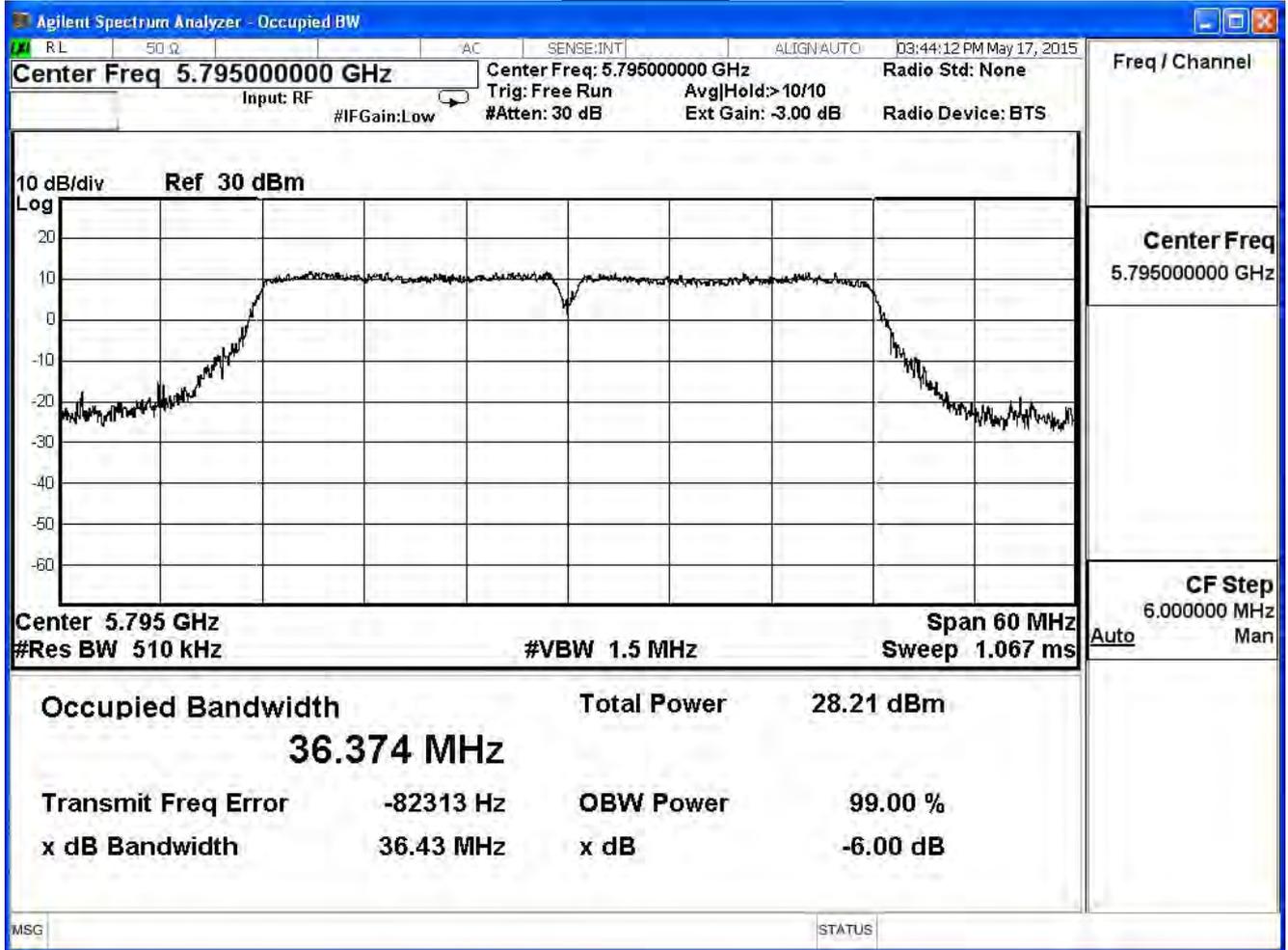
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/05/17	Test Site	SR7

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



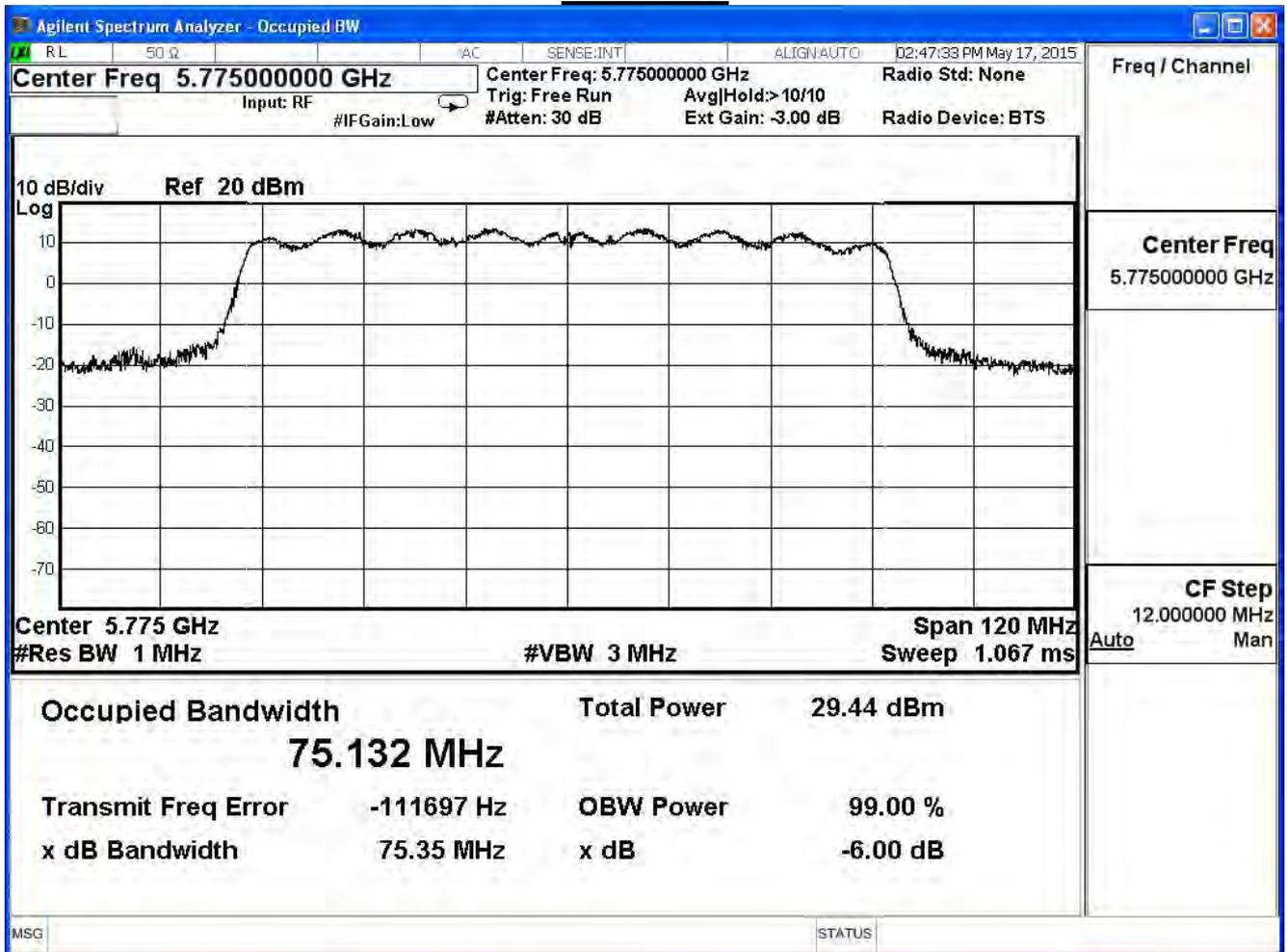
Channel 159



Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
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

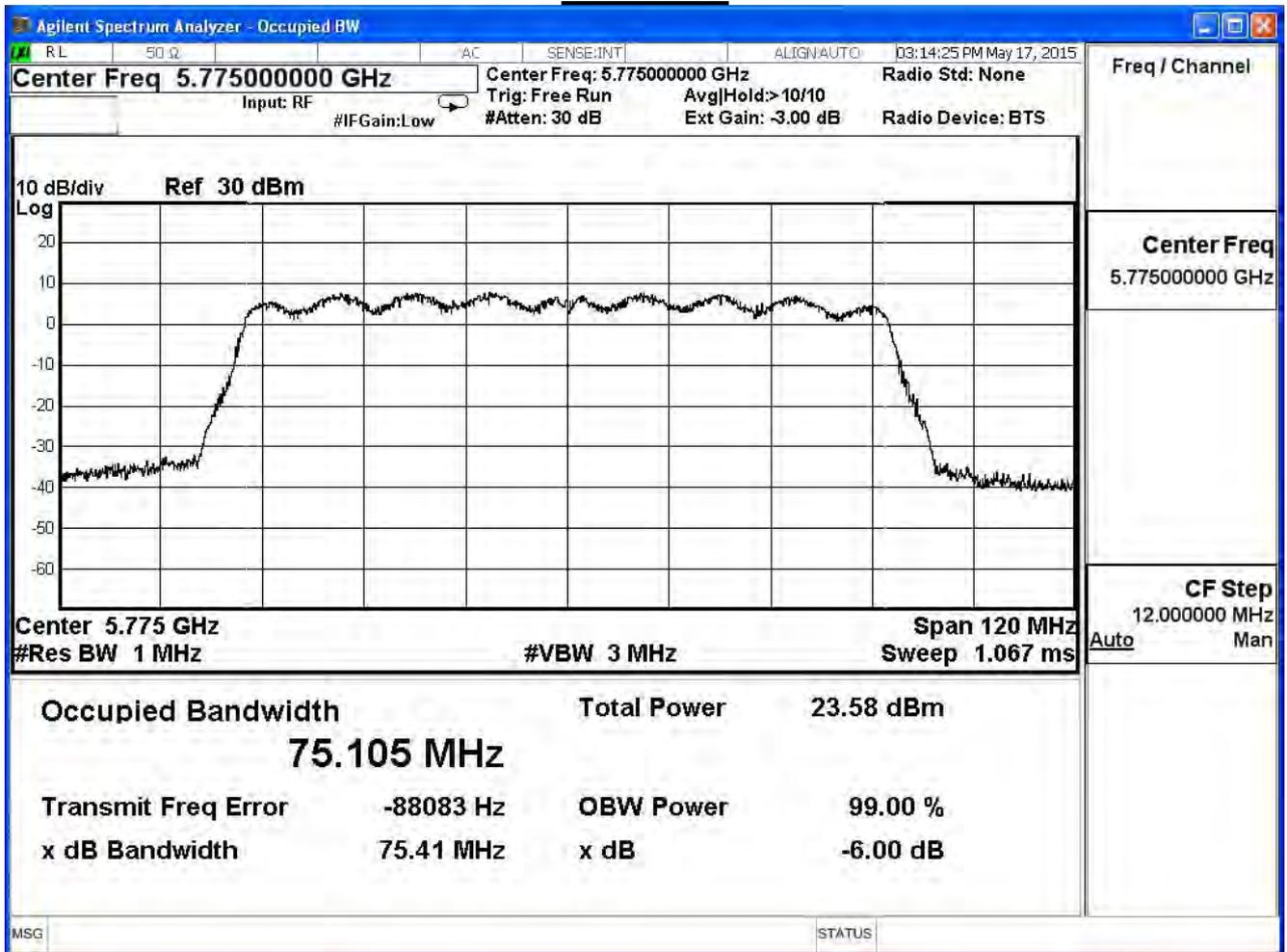
Channel 155



Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
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

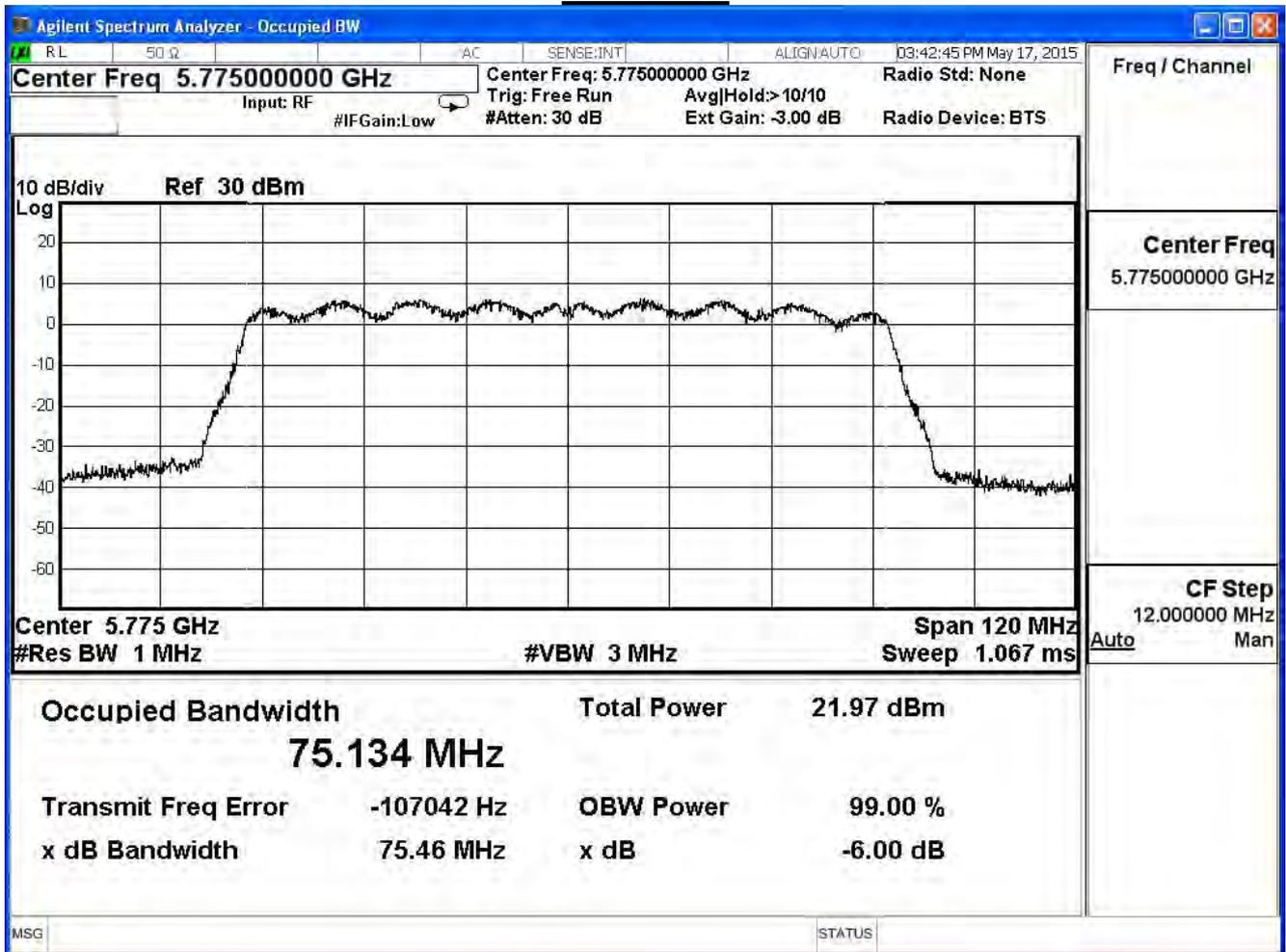
Channel 155



Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
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

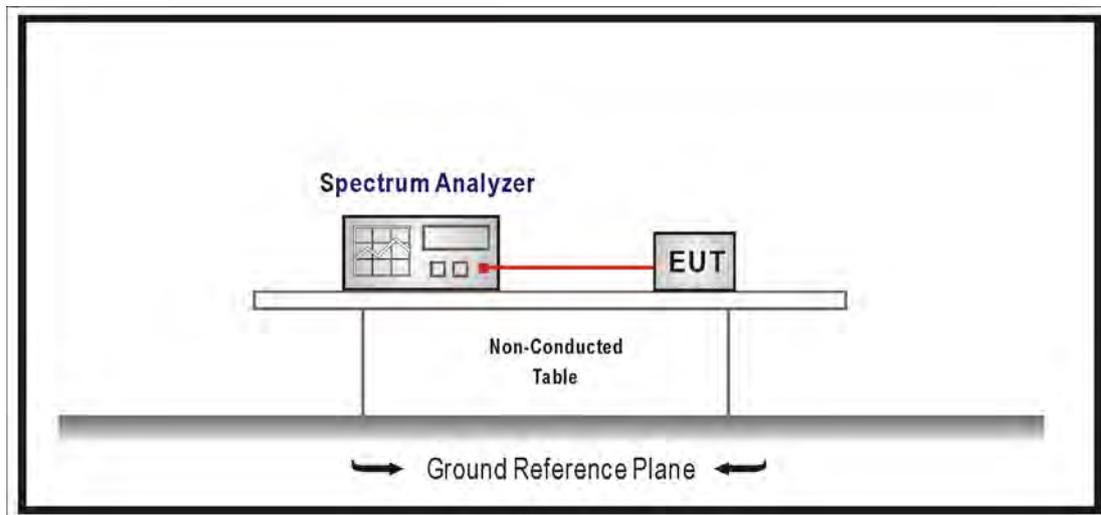
The following test equipment is used during the test:

Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2016/08/23

Note: 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: 2014

9.6. Uncertainty

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

9.7. Test Result

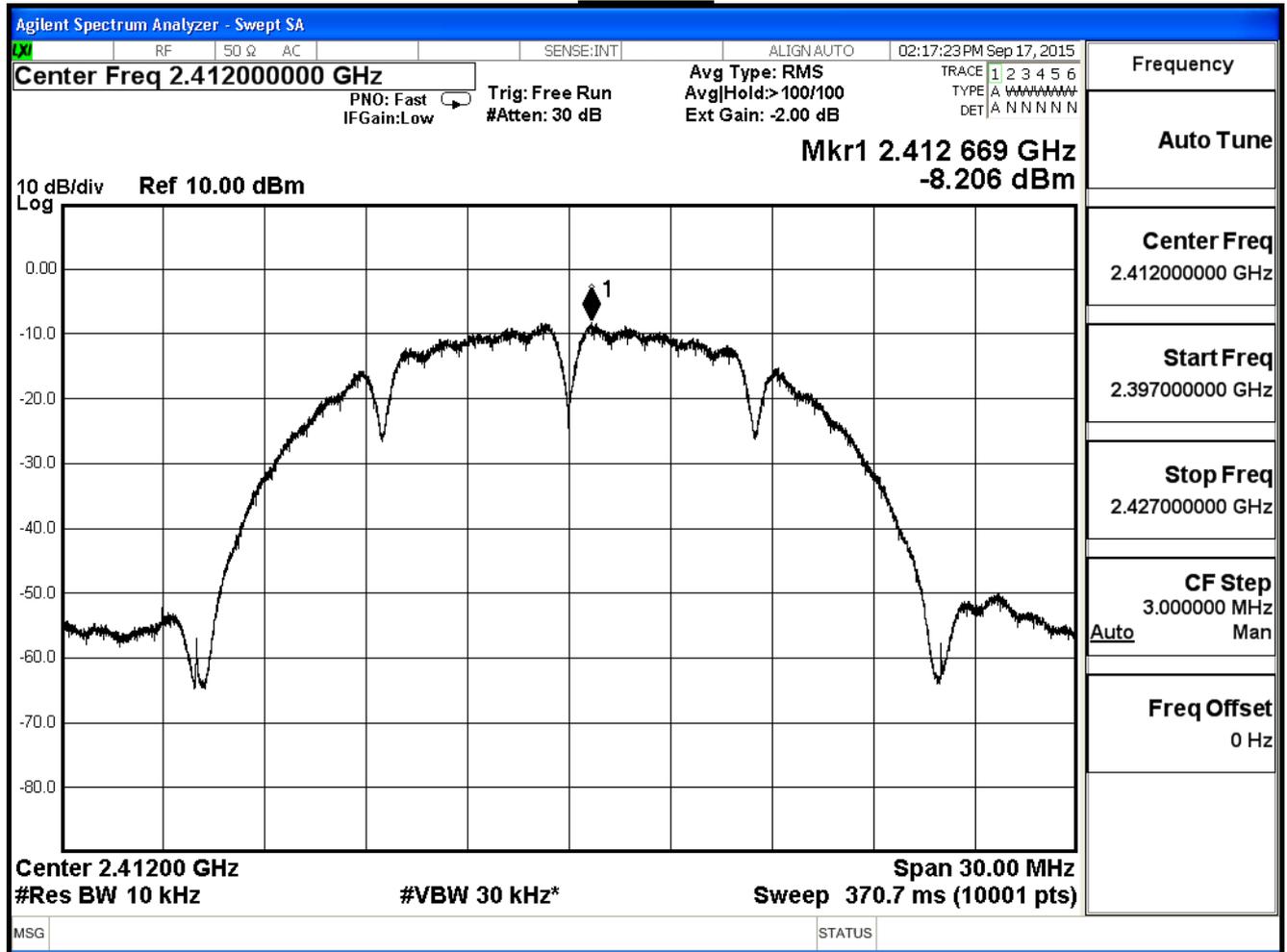
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-8.206	≤ 7.43	Pass
6	2437	-3.561	≤ 7.43	Pass
11	2462	-9.015	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dB}$

Power Density Limit: $8\text{dBm} - (6.57\text{dB} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 1



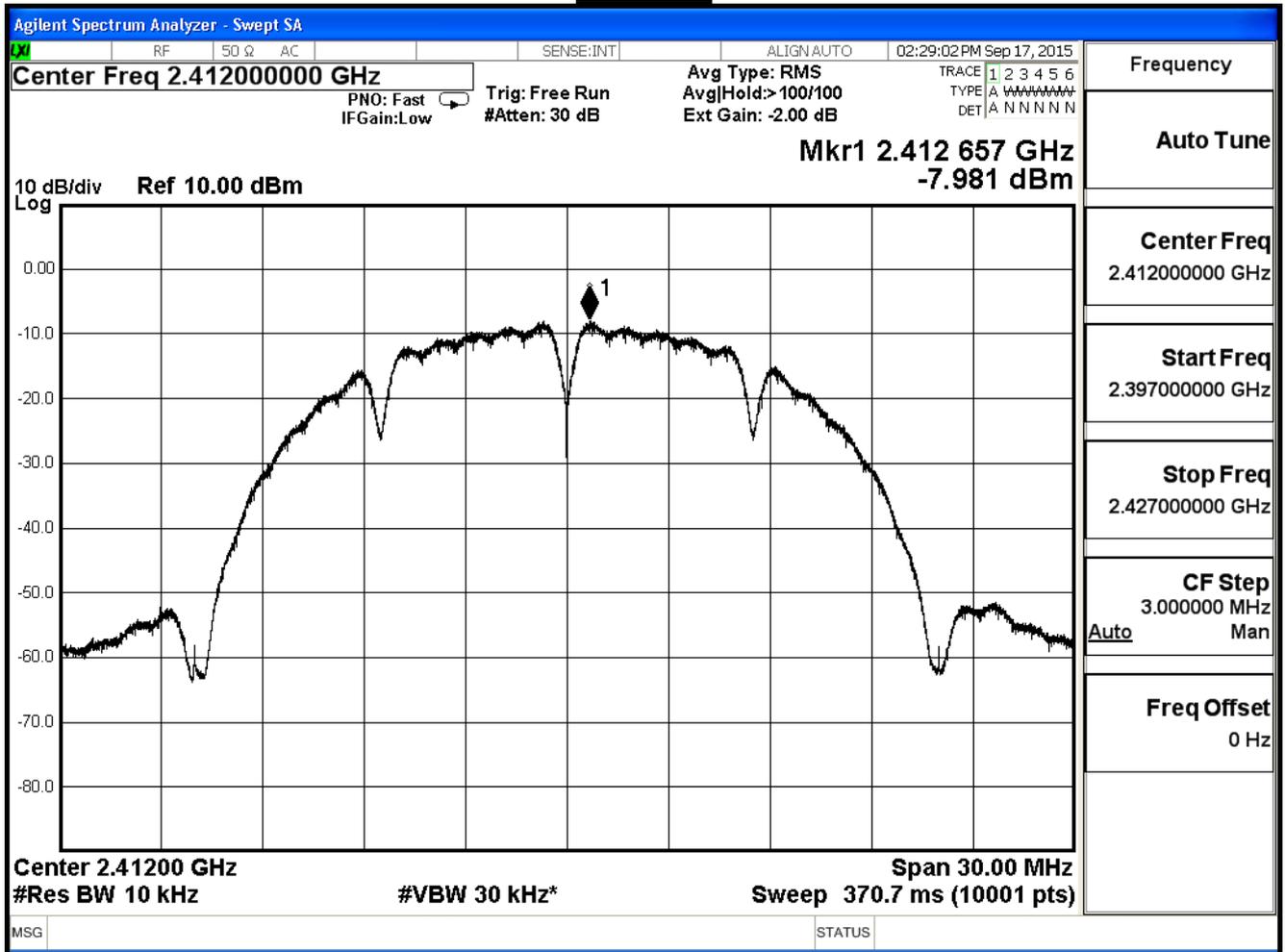
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.981	≤ 7.43	Pass
6	2437	-2.737	≤ 7.43	Pass
11	2462	-8.570	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 1



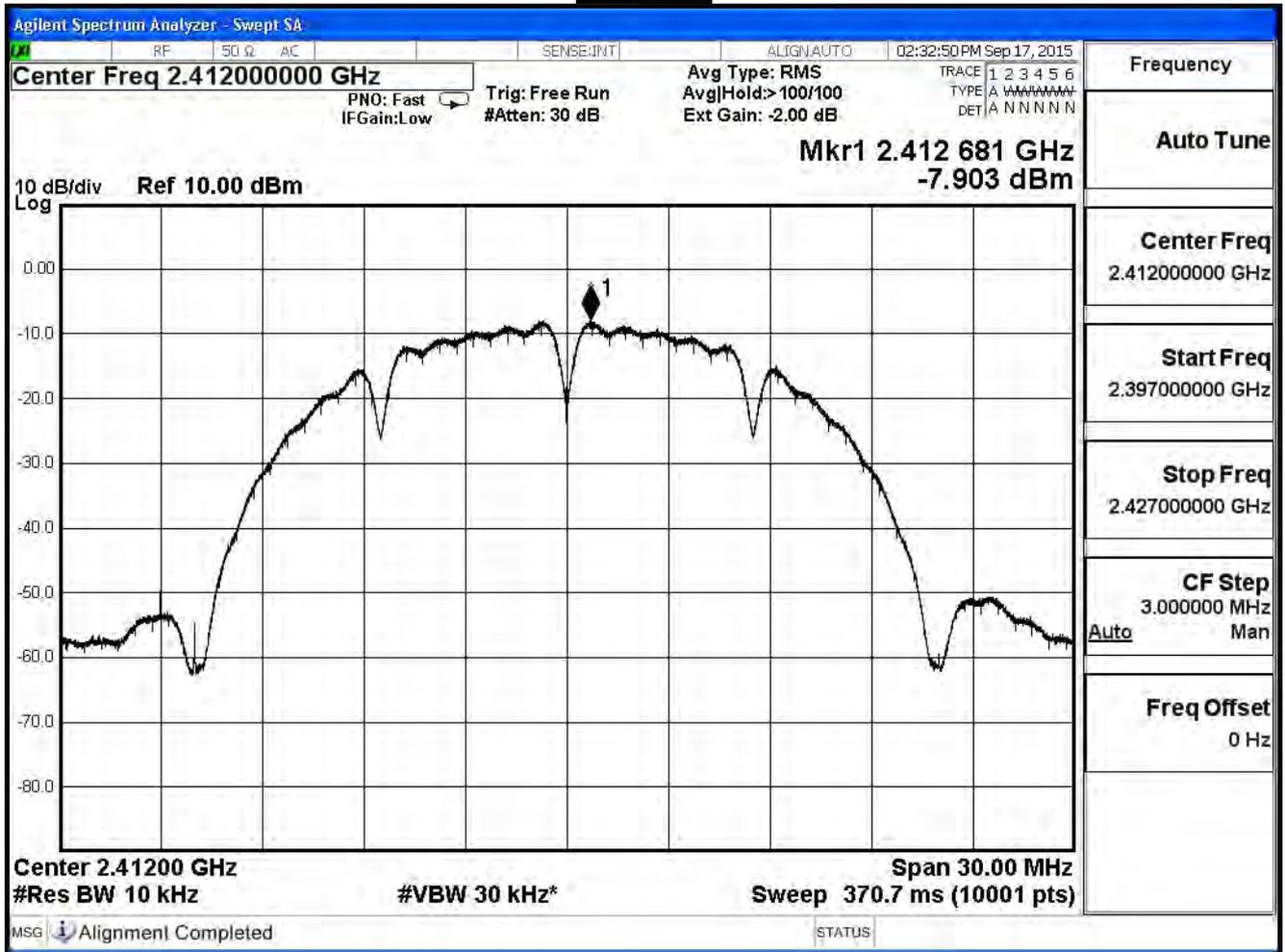
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11b (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.903	≤ 7.43	Pass
6	2437	-3.108	≤ 7.43	Pass
11	2462	-9.204	≤ 7.43	Pass

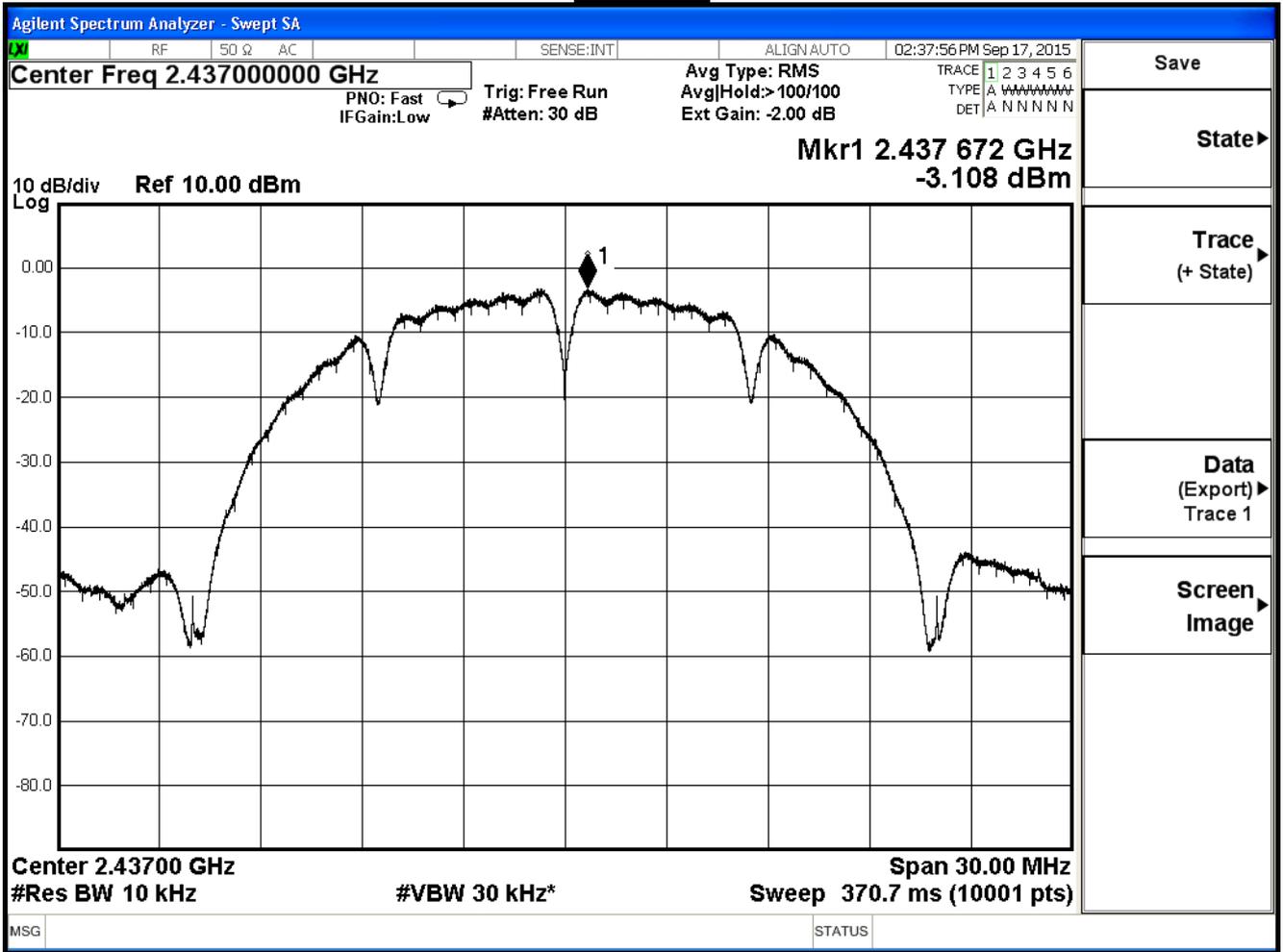
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

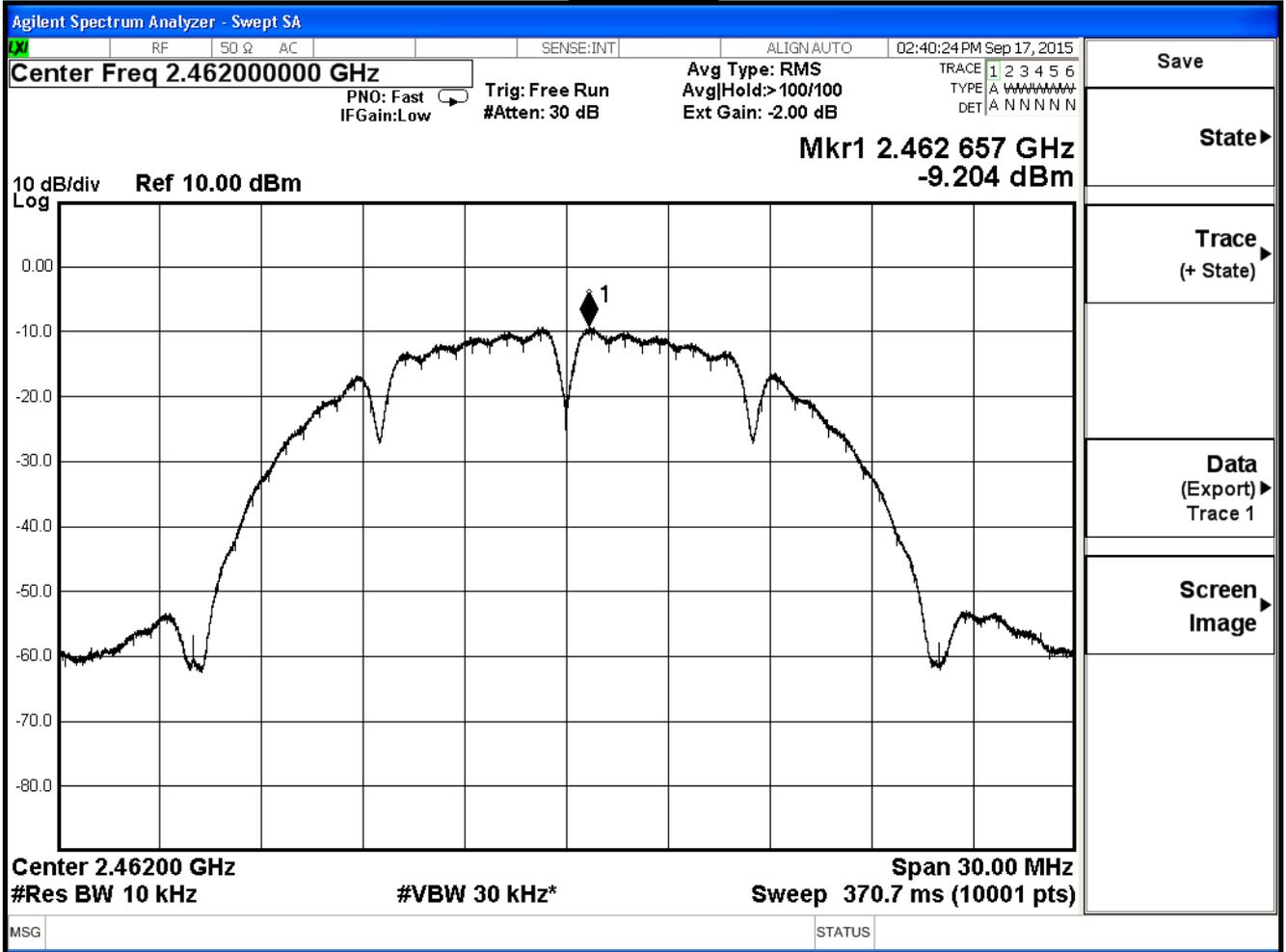
Channel 1



Channel 6



Channel 11



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11b (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-3.257	≤ 7.43	Pass
6	2437	1.649	≤ 7.43	Pass
11	2462	-4.150	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

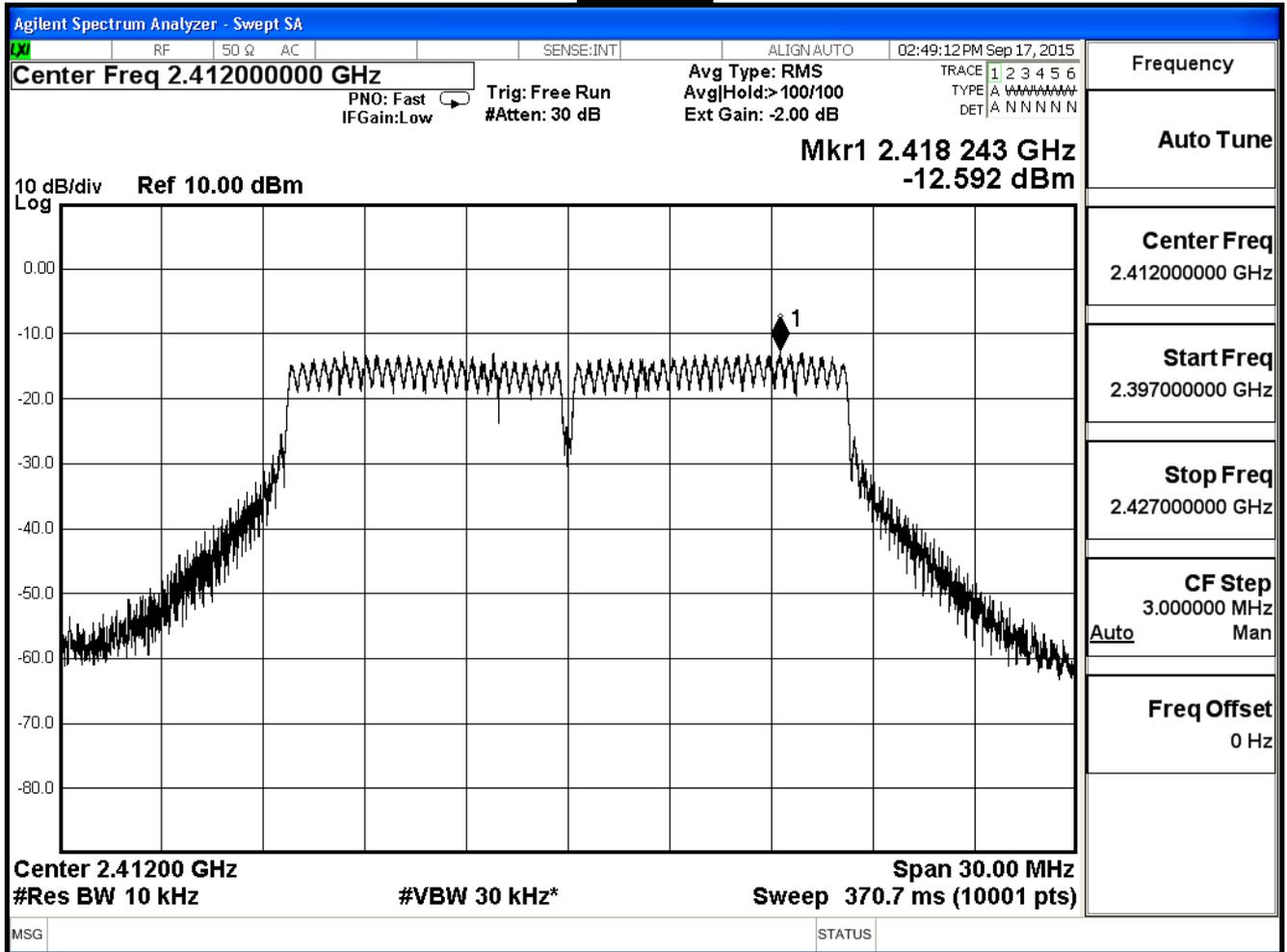
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-12.592	≤ 7.43	Pass
6	2437	-7.333	≤ 7.43	Pass
11	2462	-13.741	≤ 7.43	Pass

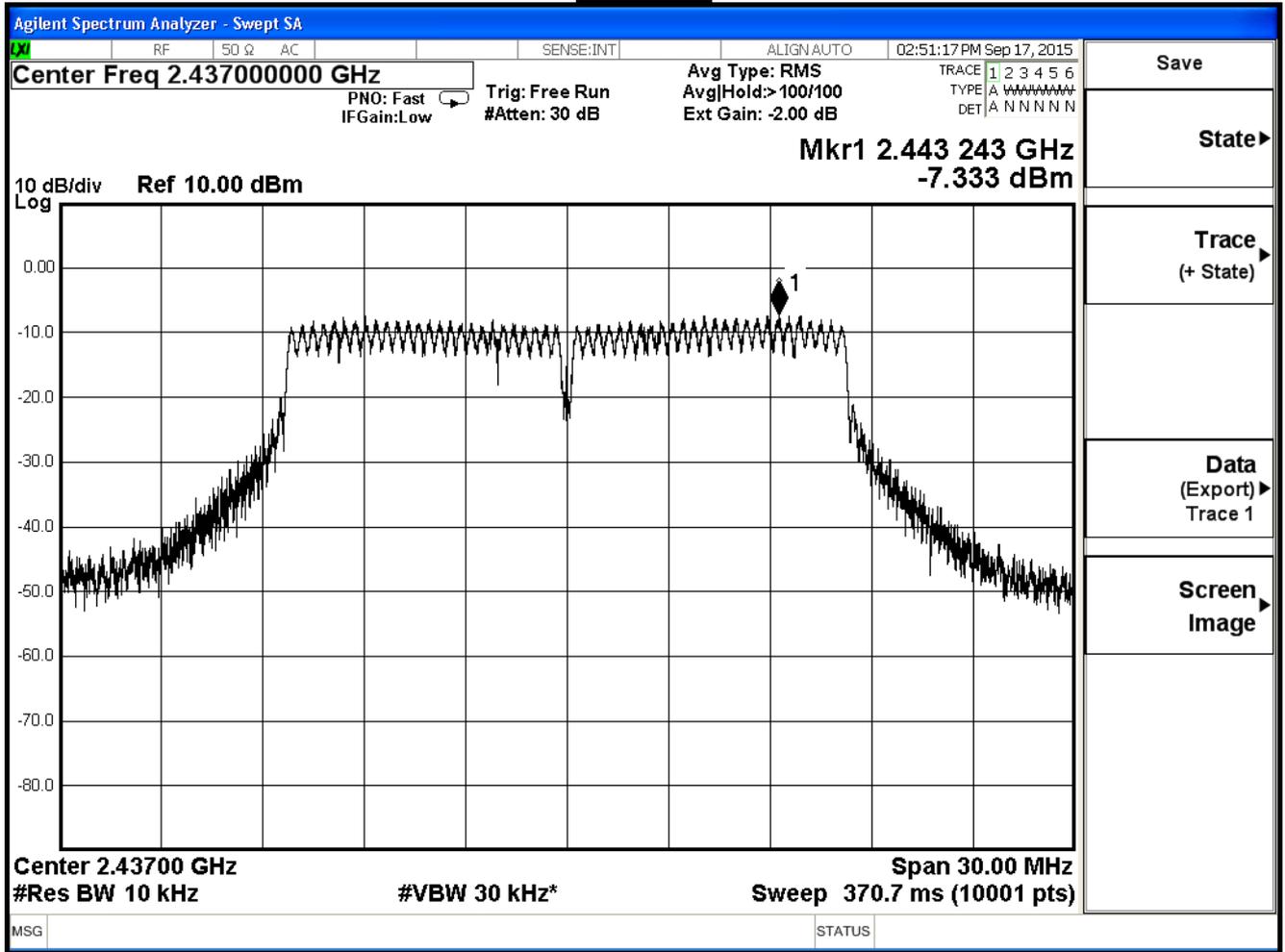
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 1



Channel 6



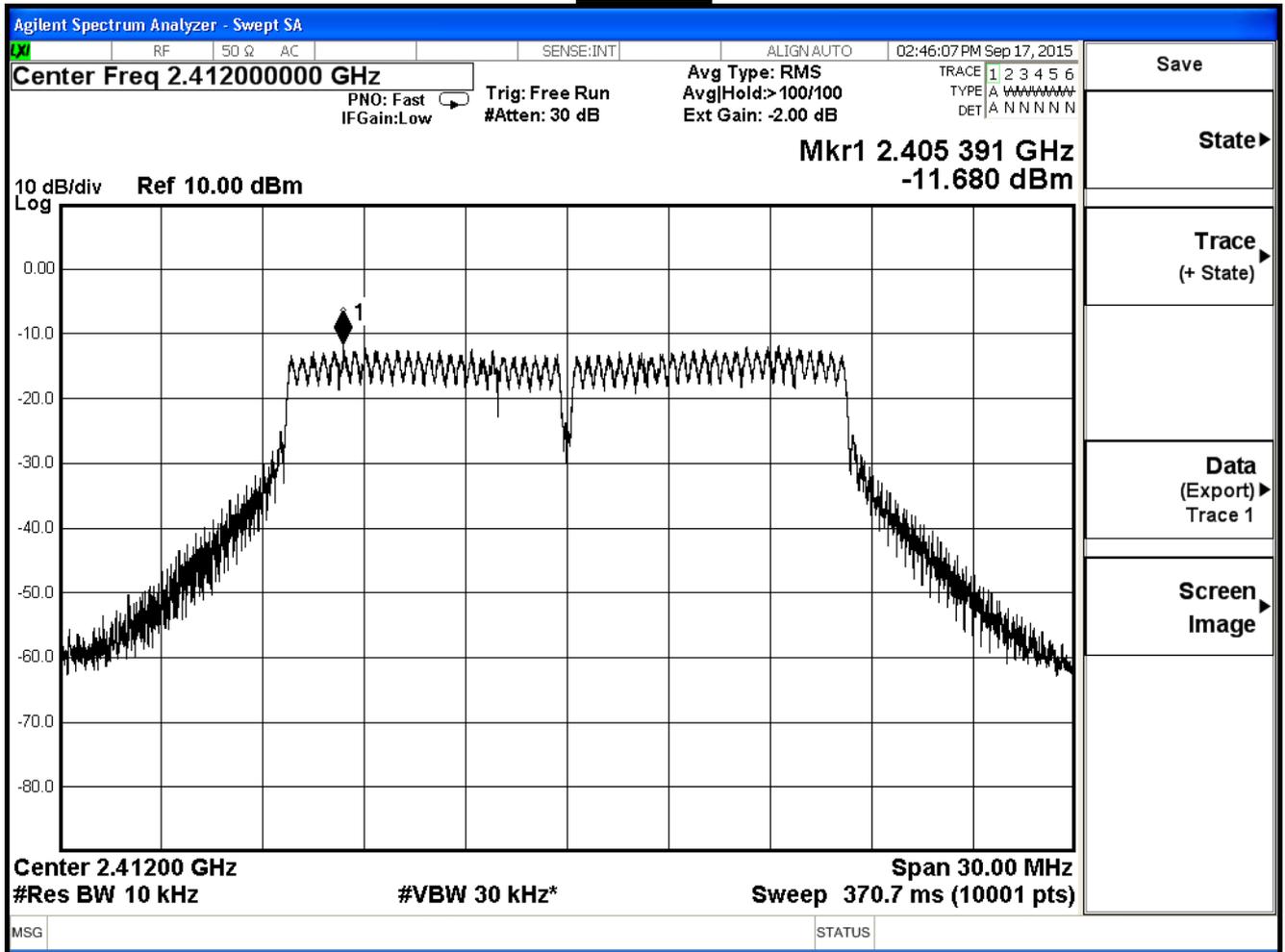
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.680	≤ 7.43	Pass
6	2437	-6.734	≤ 7.43	Pass
11	2462	-13.070	≤ 7.43	Pass

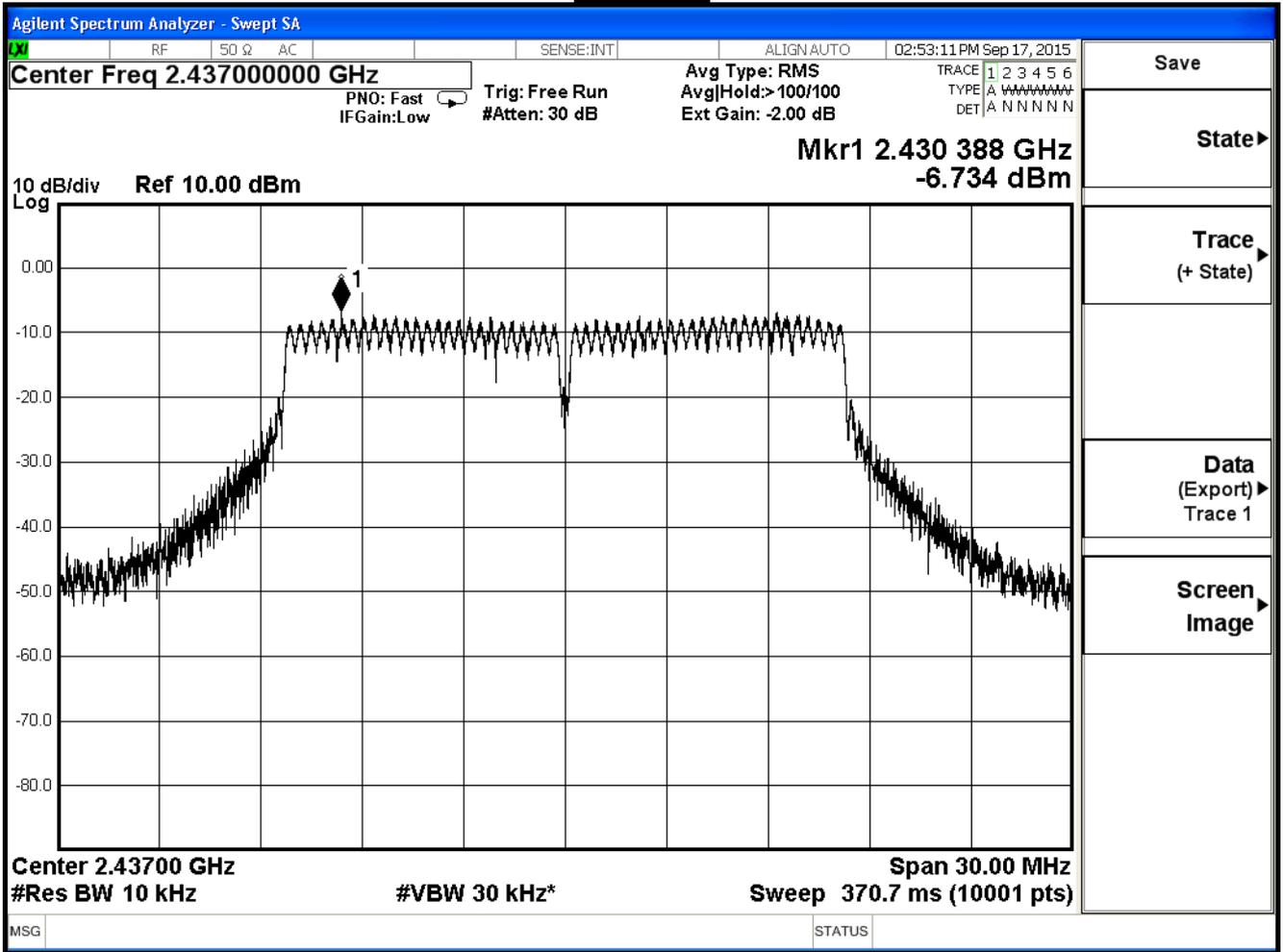
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 1



Channel 6



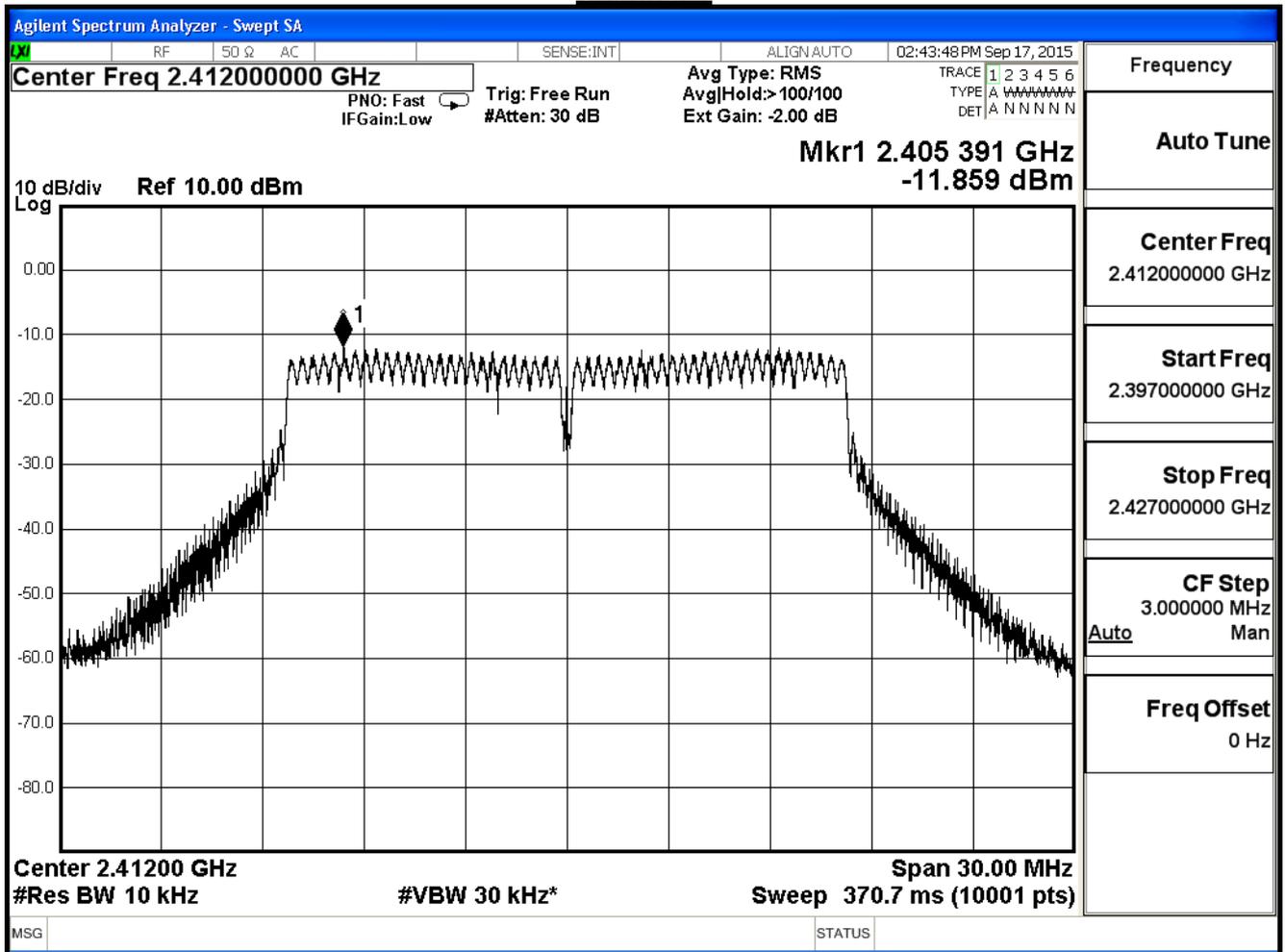
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11g (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.859	≤ 7.43	Pass
6	2437	-6.843	≤ 7.43	Pass
11	2462	-12.670	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 1



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11g (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.255	≤ 7.43	Pass
6	2437	-2.191	≤ 7.43	Pass
11	2462	-8.367	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

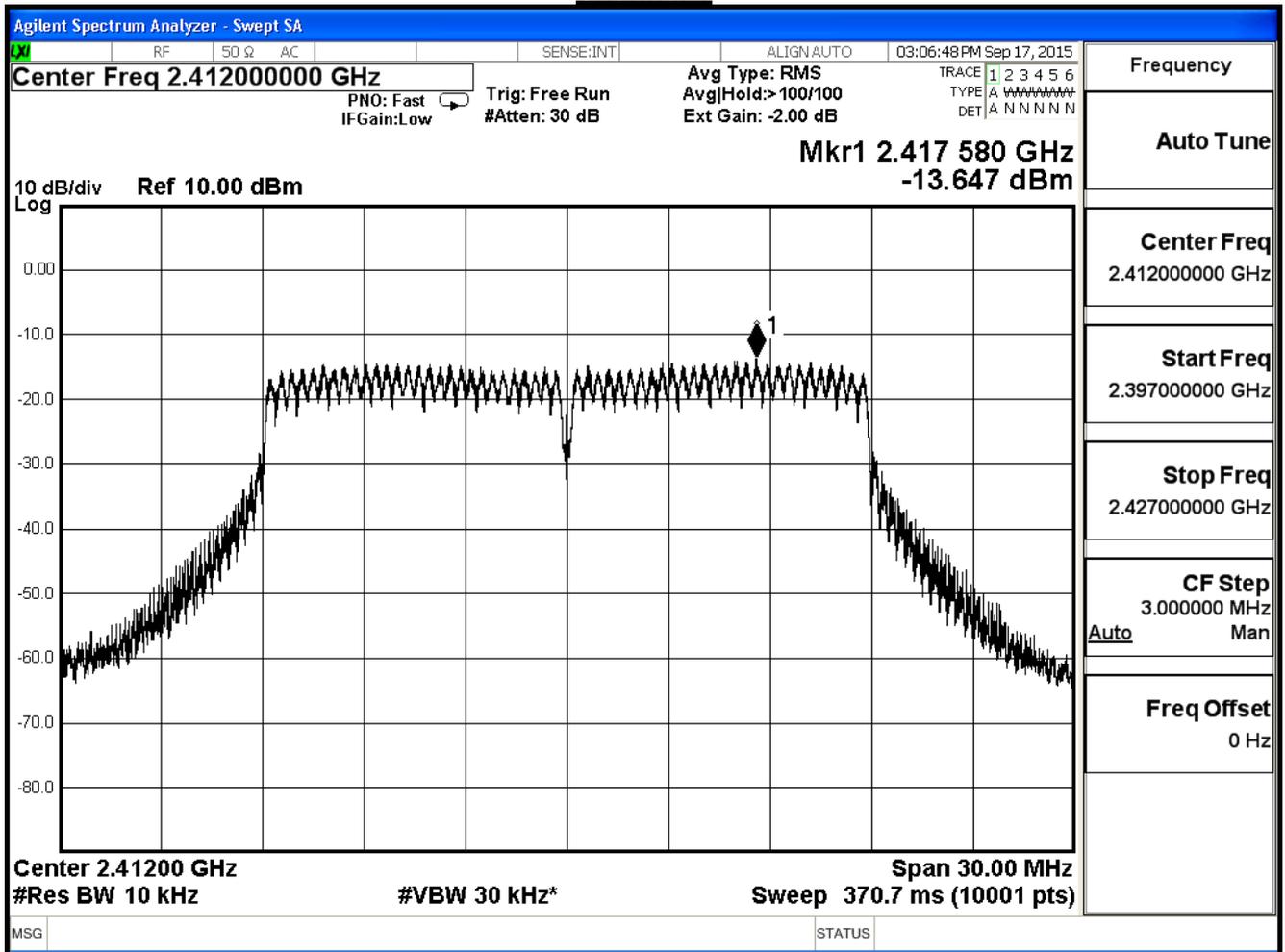
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE802.11n 20MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-13.647	≤ 7.43	Pass
6	2437	-6.323	≤ 7.43	Pass
11	2462	-9.651	≤ 7.43	Pass

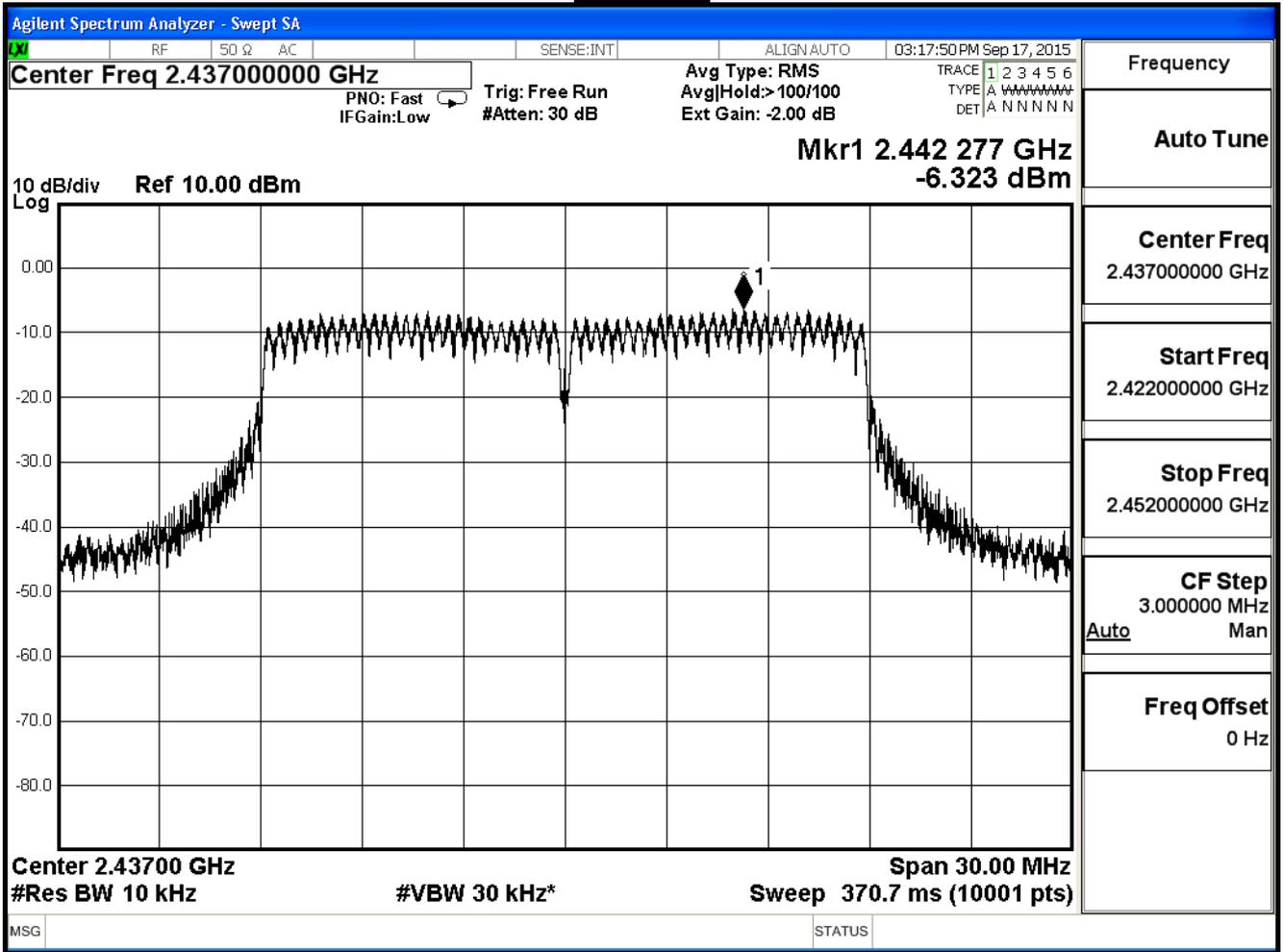
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

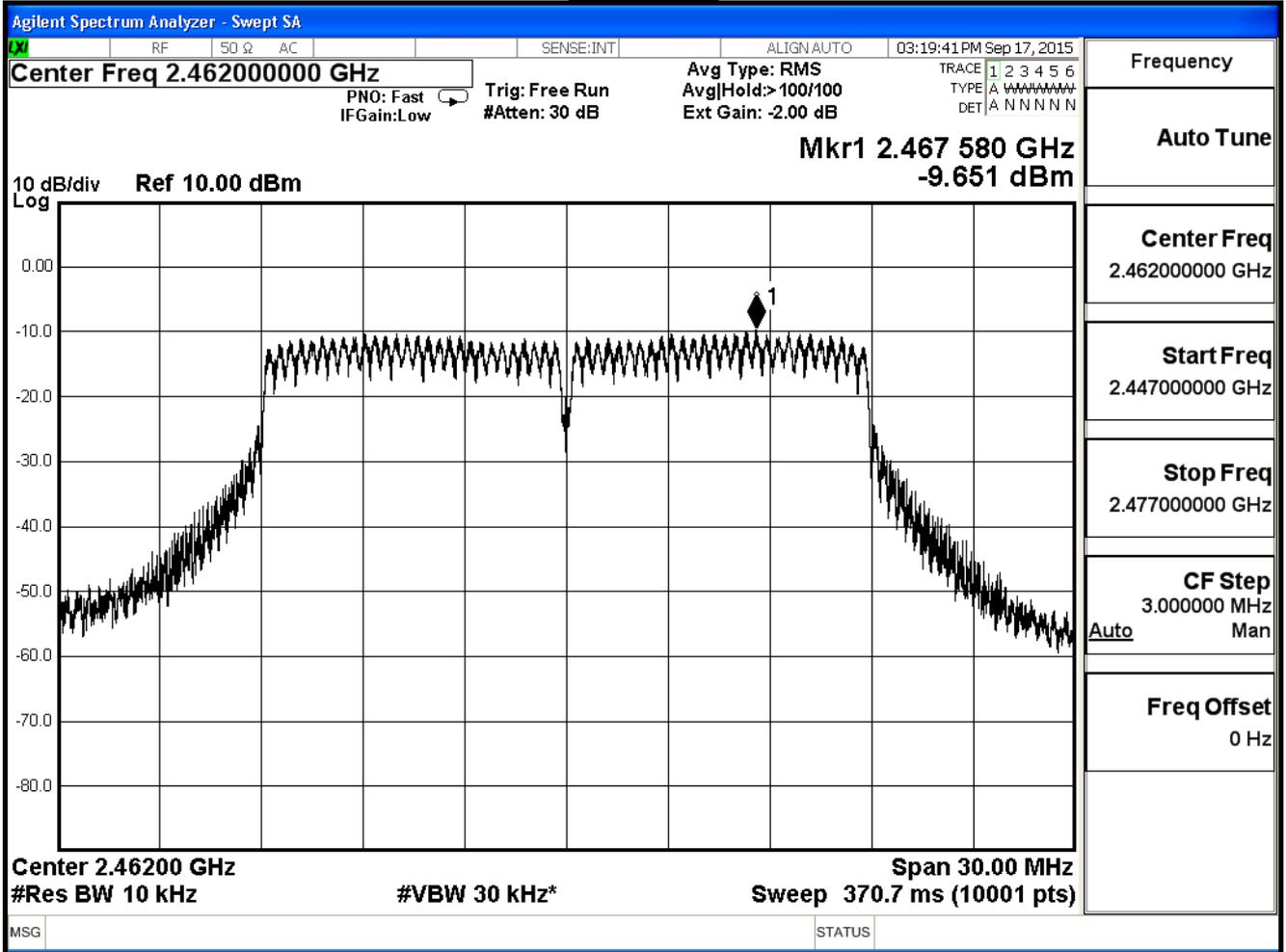
Channel 1



Channel 6



Channel 11



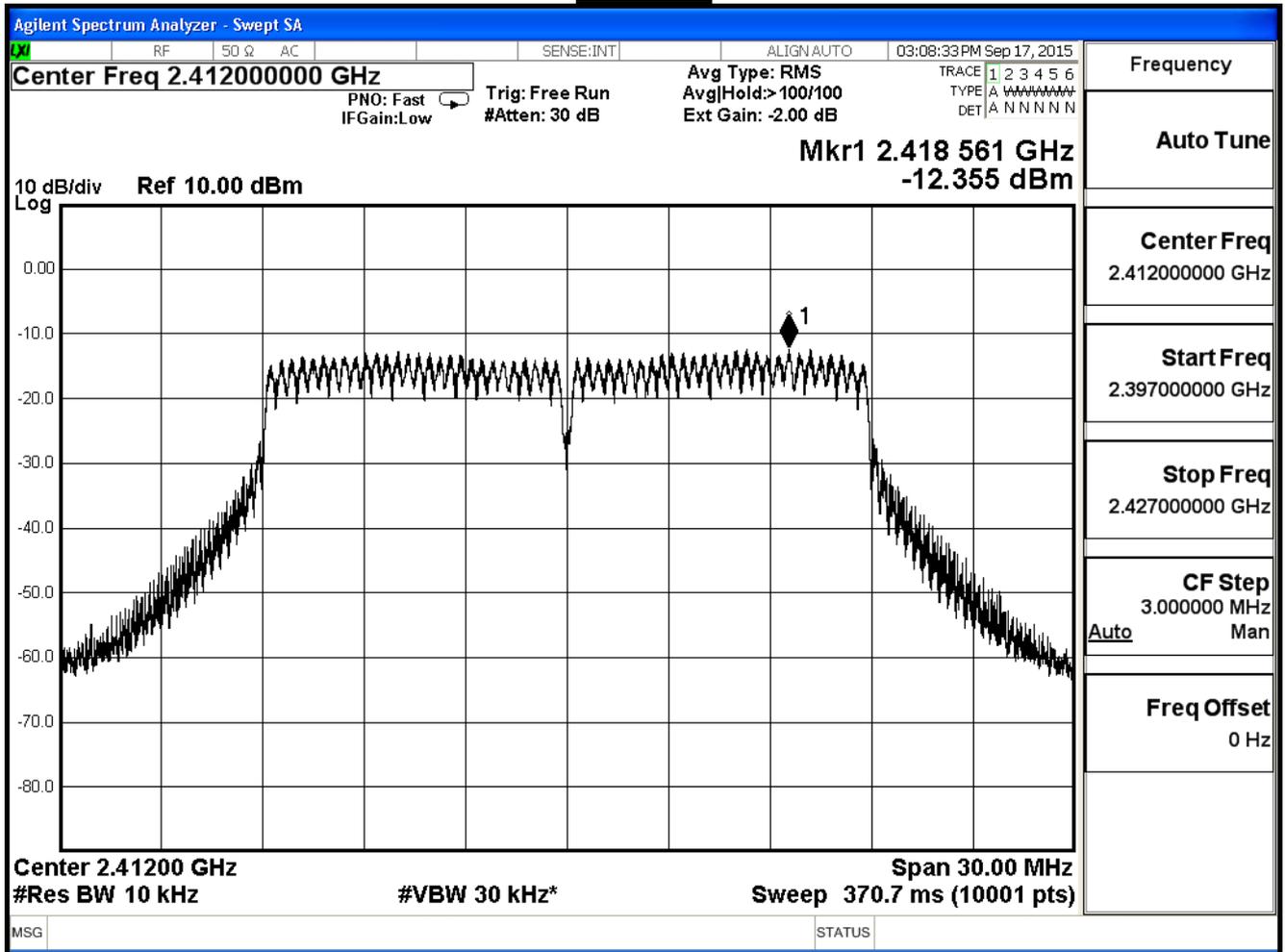
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE802.11n 20MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-12.355	≤ 7.43	Pass
6	2437	-6.386	≤ 7.43	Pass
11	2462	-10.317	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 1



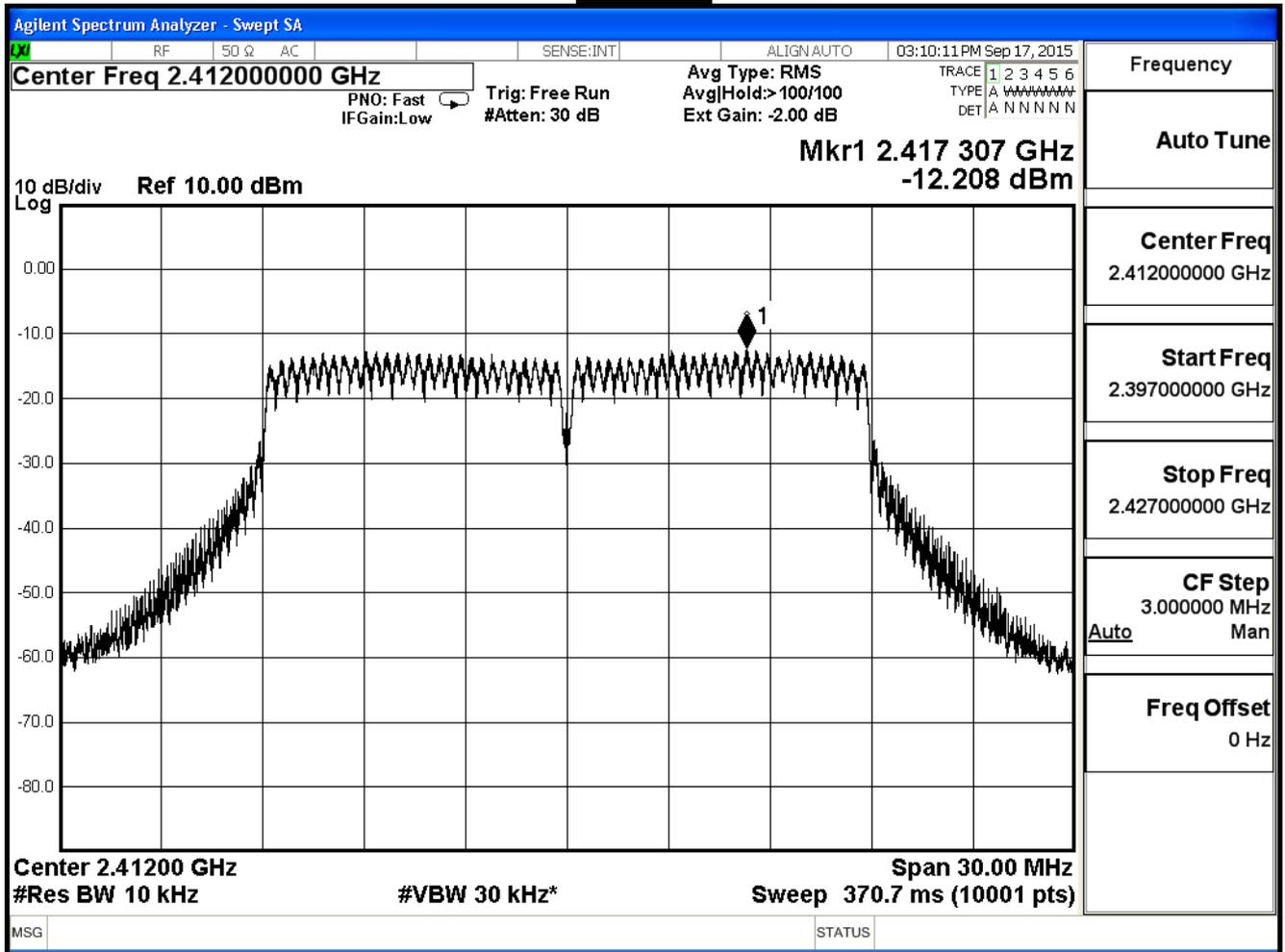
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE802.11n 20MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-12.208	≤ 7.43	Pass
6	2437	-6.821	≤ 7.43	Pass
11	2462	-10.244	≤ 7.43	Pass

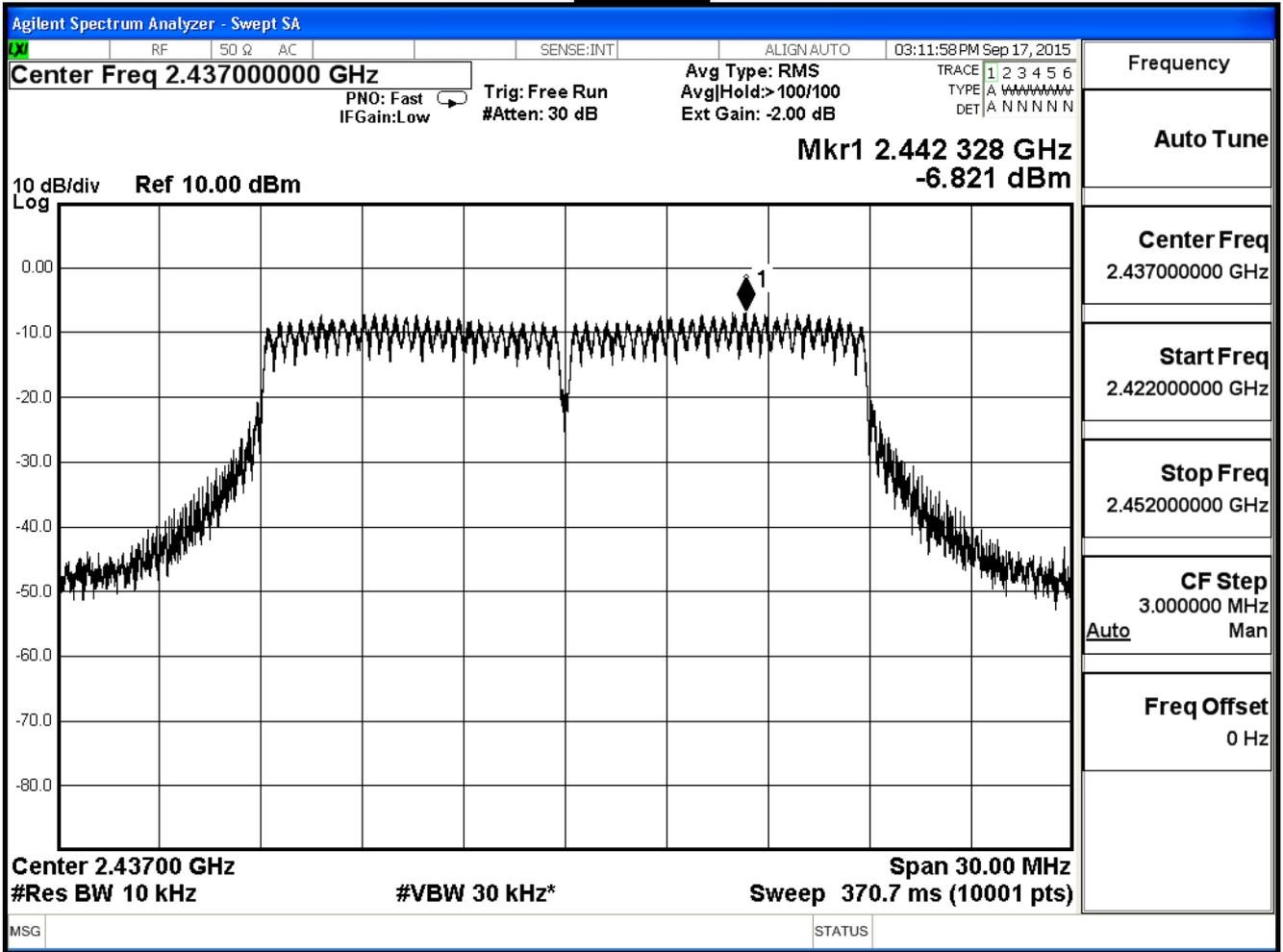
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 1



Channel 6



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE802.11n 20MHz (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.919	≤ 7.43	Pass
6	2437	-1.733	≤ 7.43	Pass
11	2462	-5.289	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

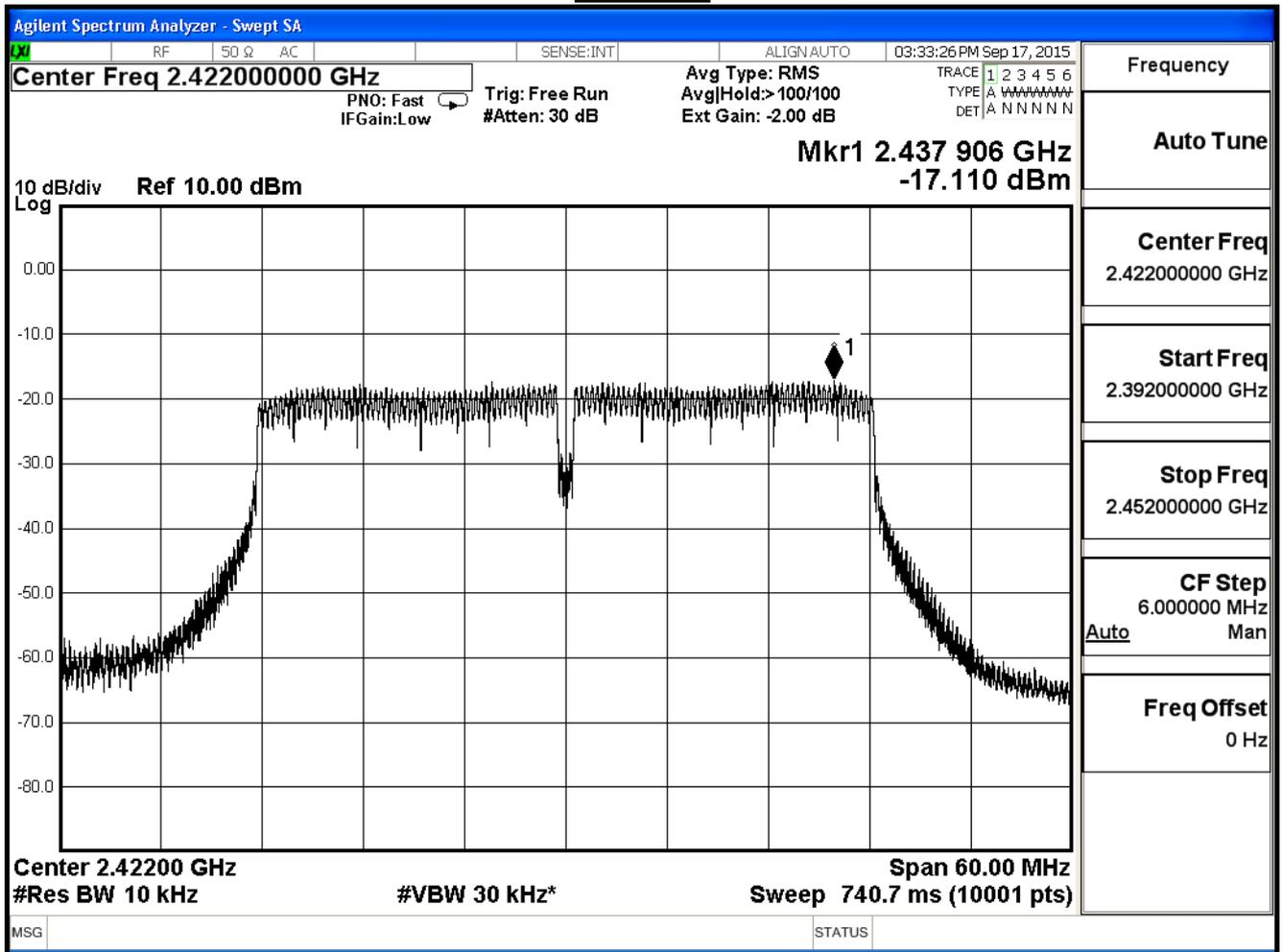
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE802.11n 40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-17.110	≤ 7.43	Pass
6	2437	-12.720	≤ 7.43	Pass
9	2452	-15.158	≤ 7.43	Pass

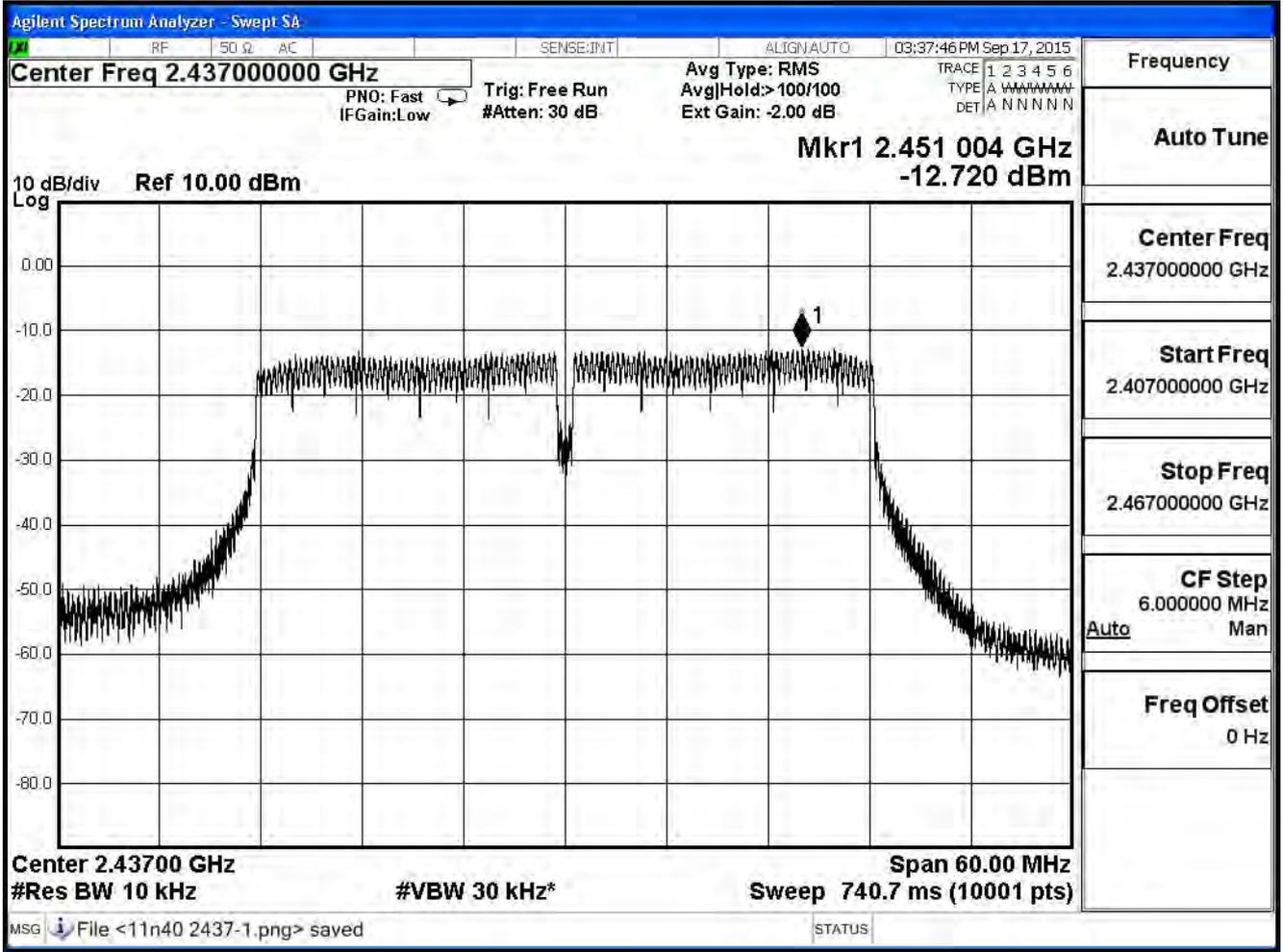
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 3



Channel 6



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

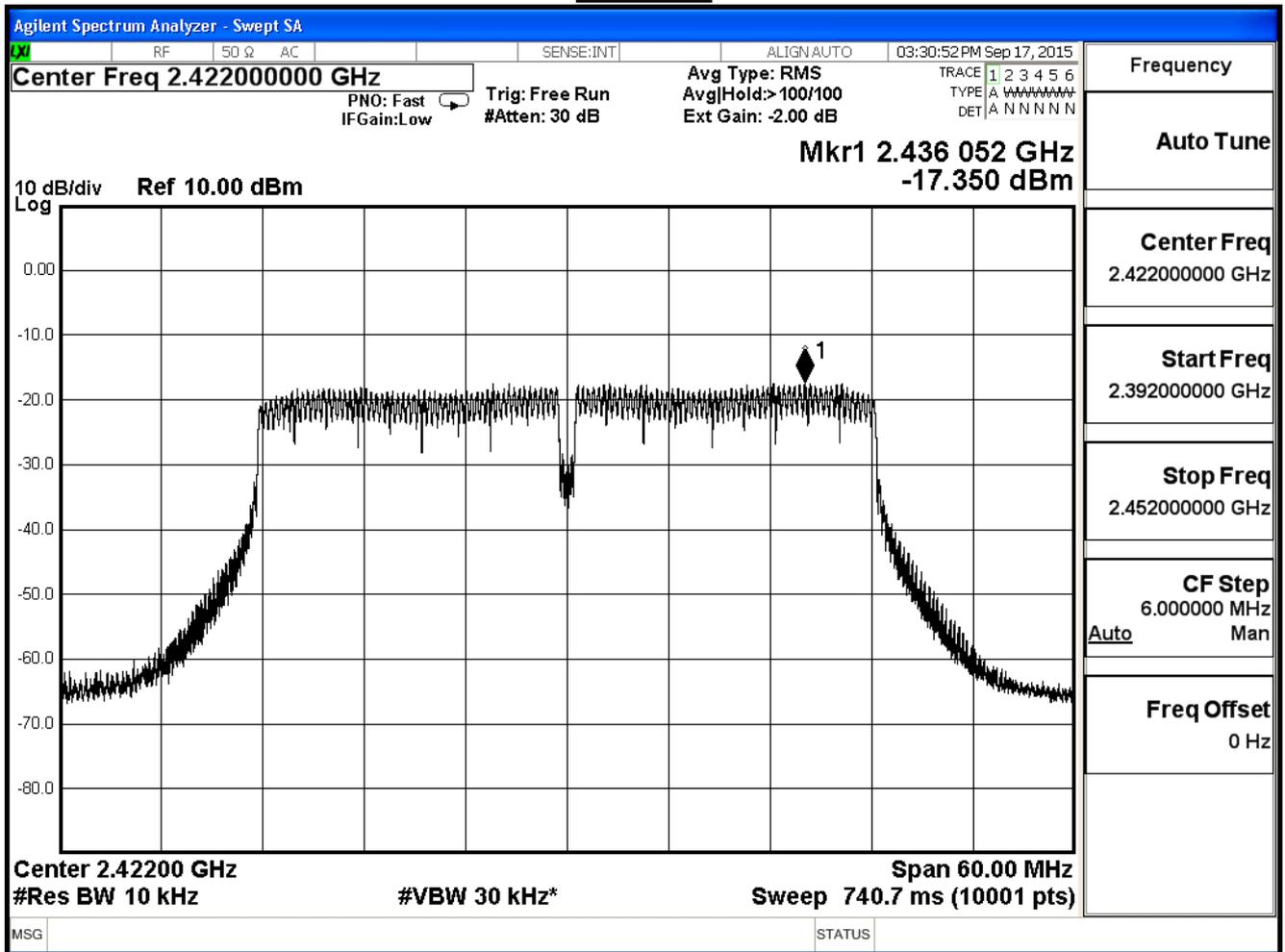
IEEE802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-17.350	≤ 7.43	Pass
6	2437	-12.752	≤ 7.43	Pass
9	2452	-15.719	≤ 7.43	Pass

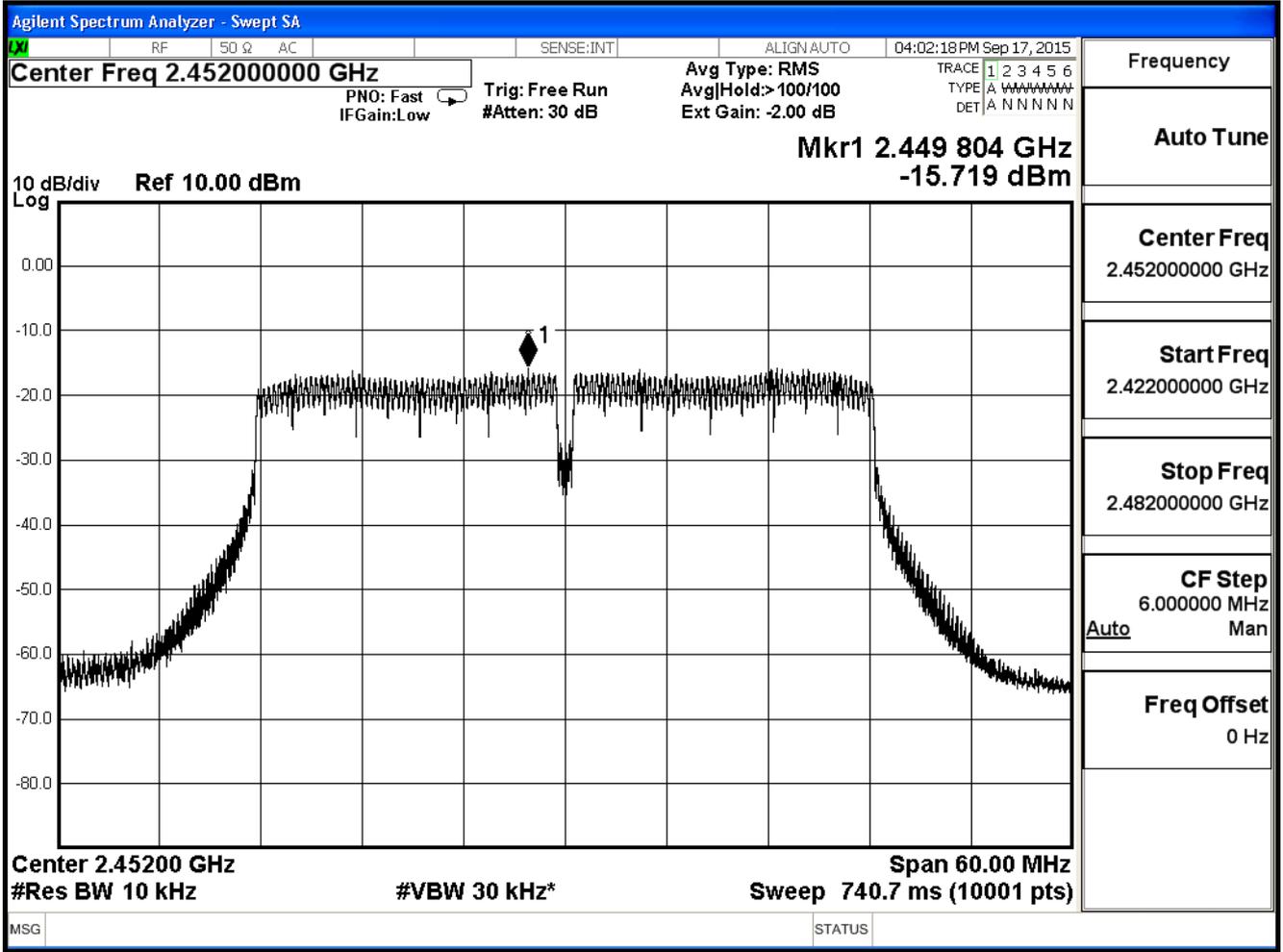
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 3



Channel 9



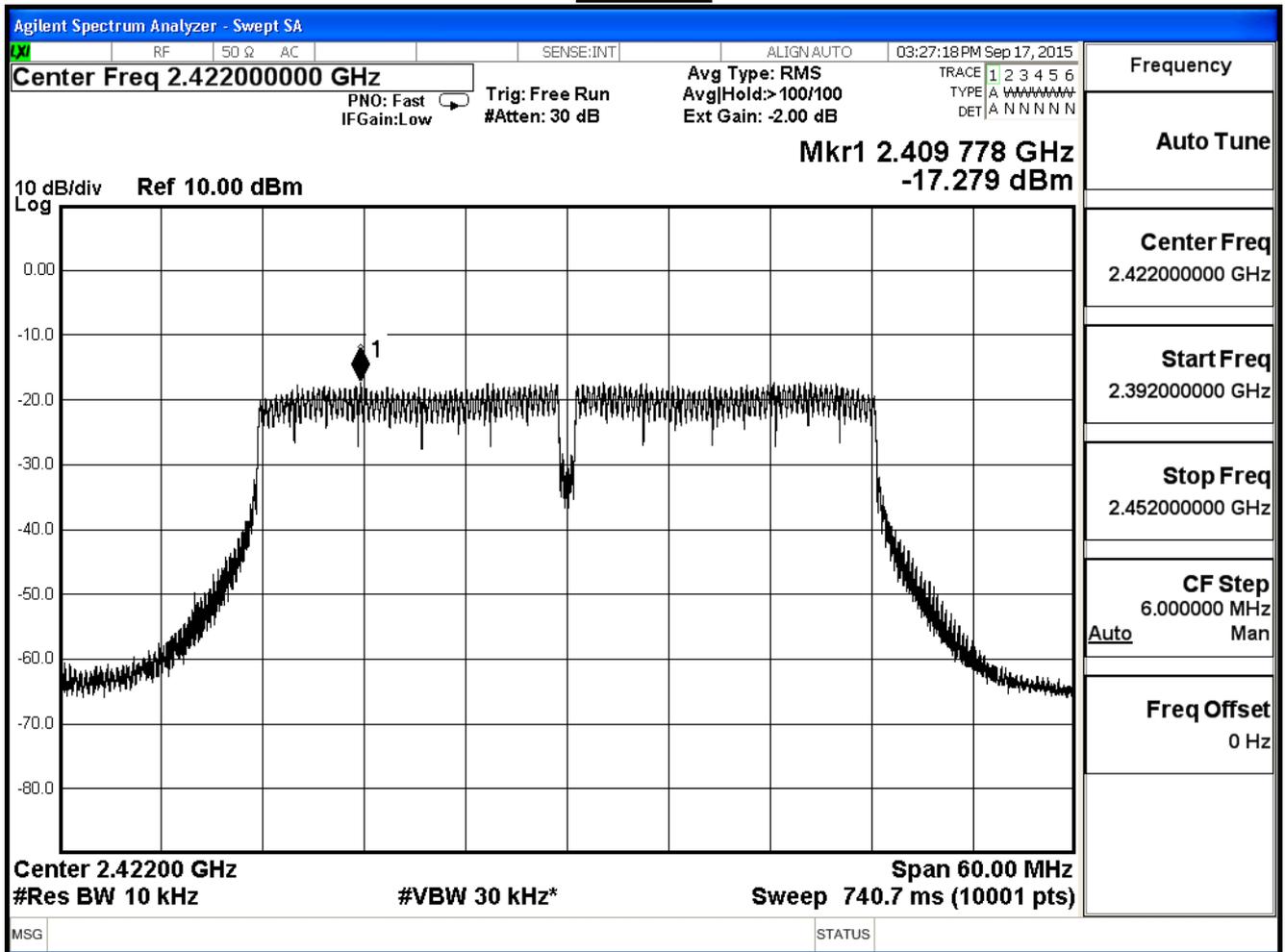
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE802.11n 40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-17.279	≤ 7.43	Pass
6	2437	-12.838	≤ 7.43	Pass
9	2452	-15.801	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 3



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE802.11n 40MHz (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-12.474	≤ 7.43	Pass
6	2437	-7.999	≤ 7.43	Pass
9	2452	-10.779	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

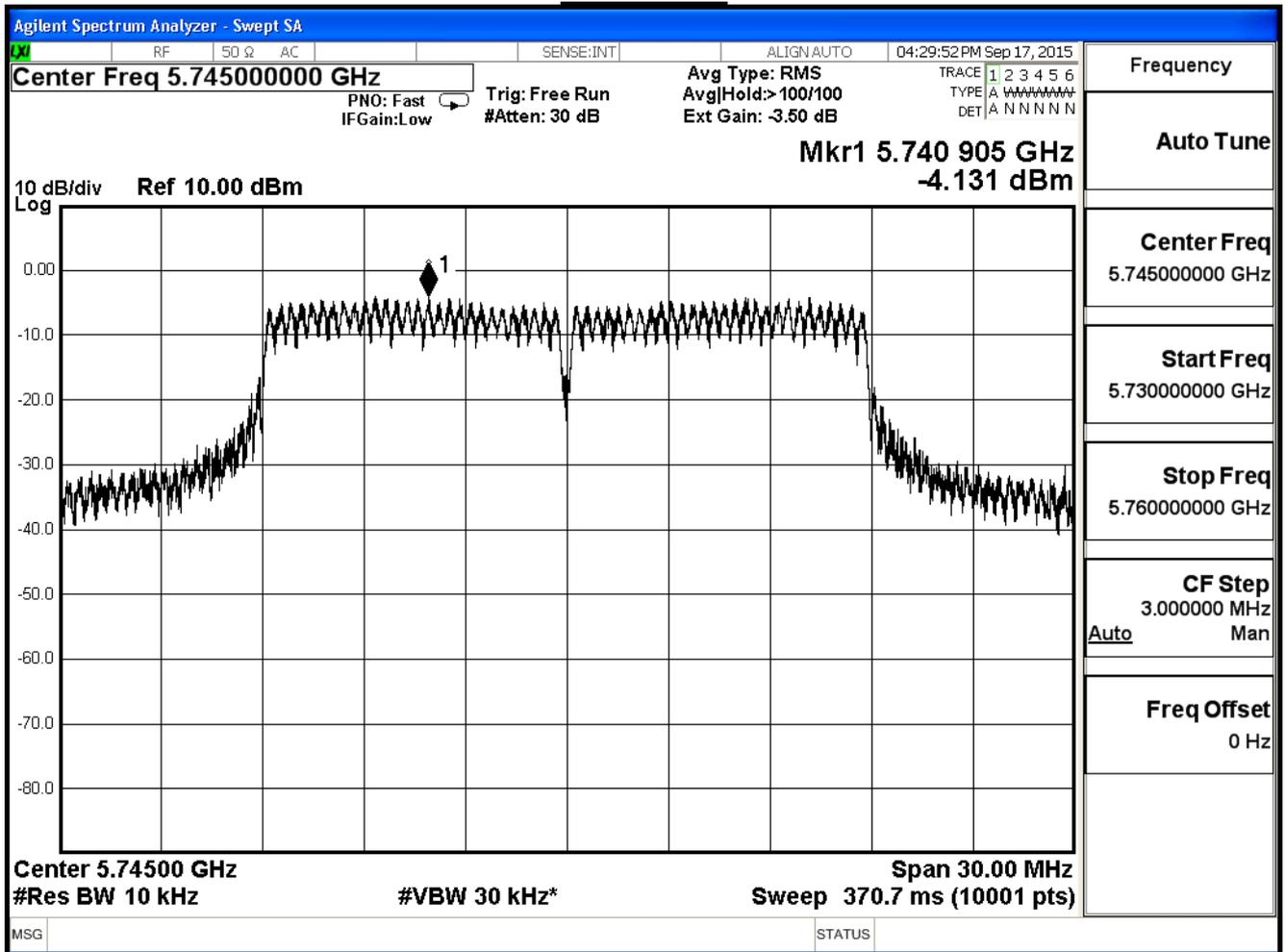
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-4.131	≤ 6.40	Pass
157	5785	-5.965	≤ 6.40	Pass
165	5825	-5.943	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 149



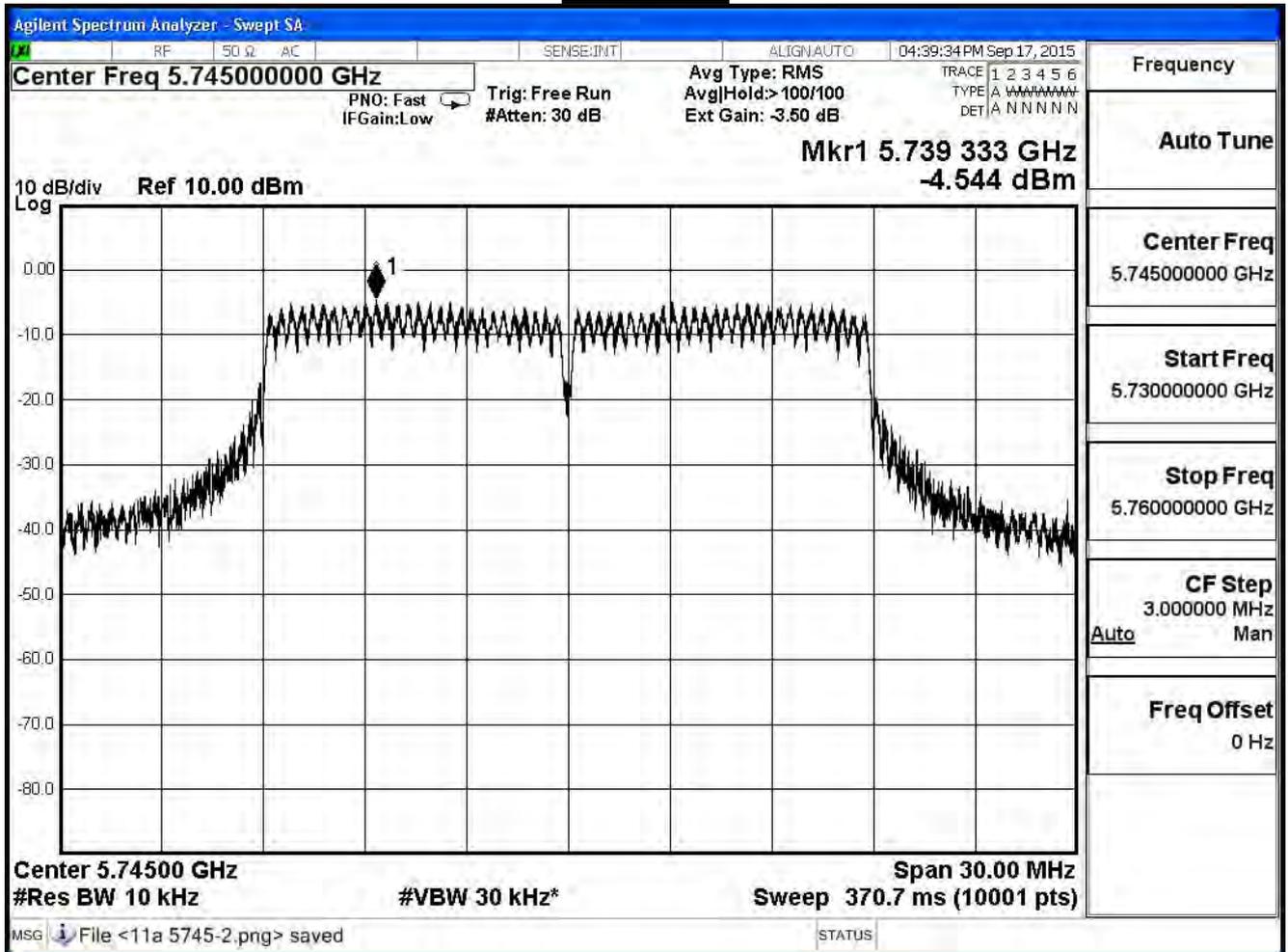
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11a (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-4.544	≤ 6.40	Pass
157	5785	-5.467	≤ 6.40	Pass
165	5825	-4.935	≤ 6.40	Pass

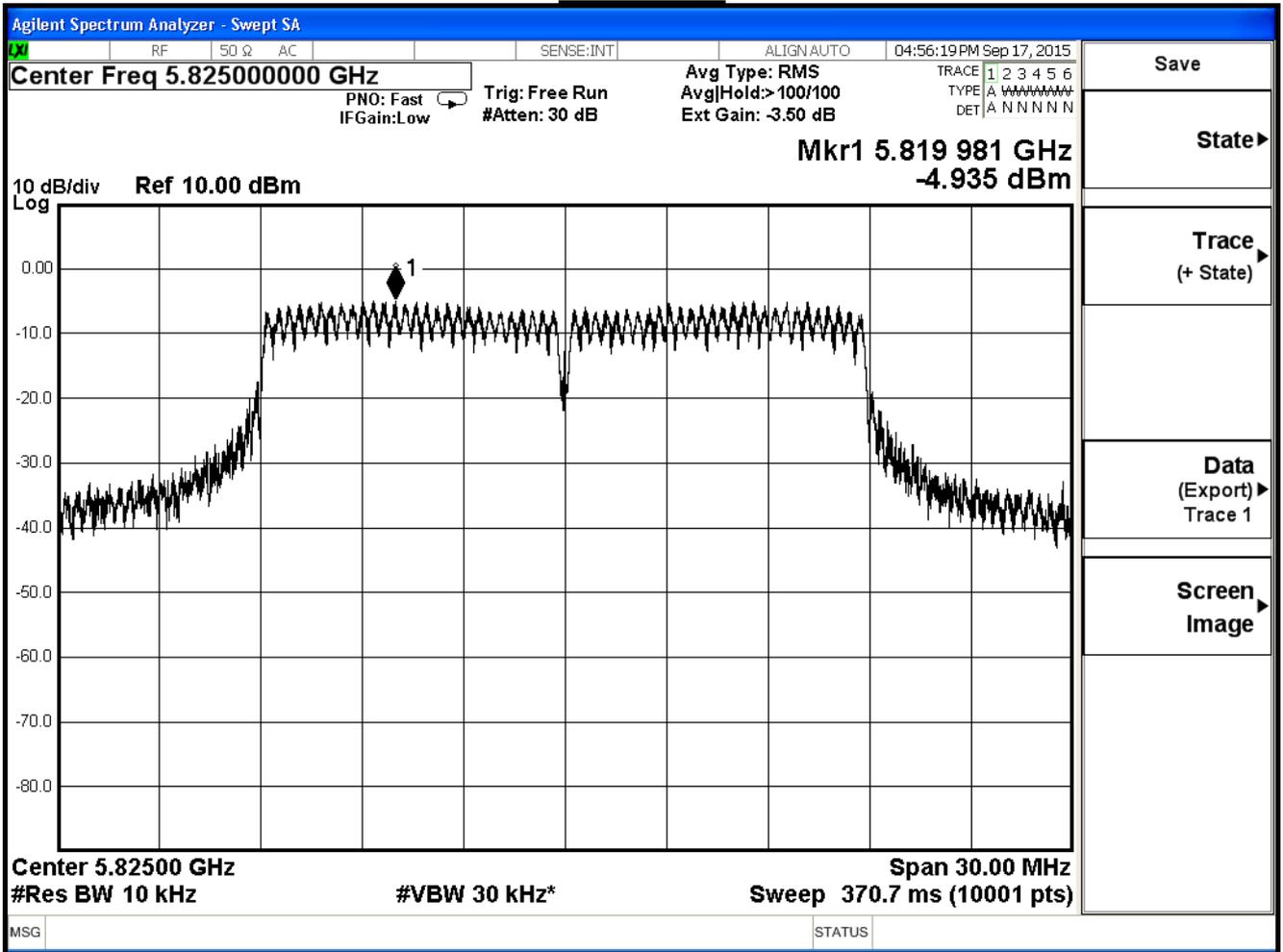
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 149



Channel 165



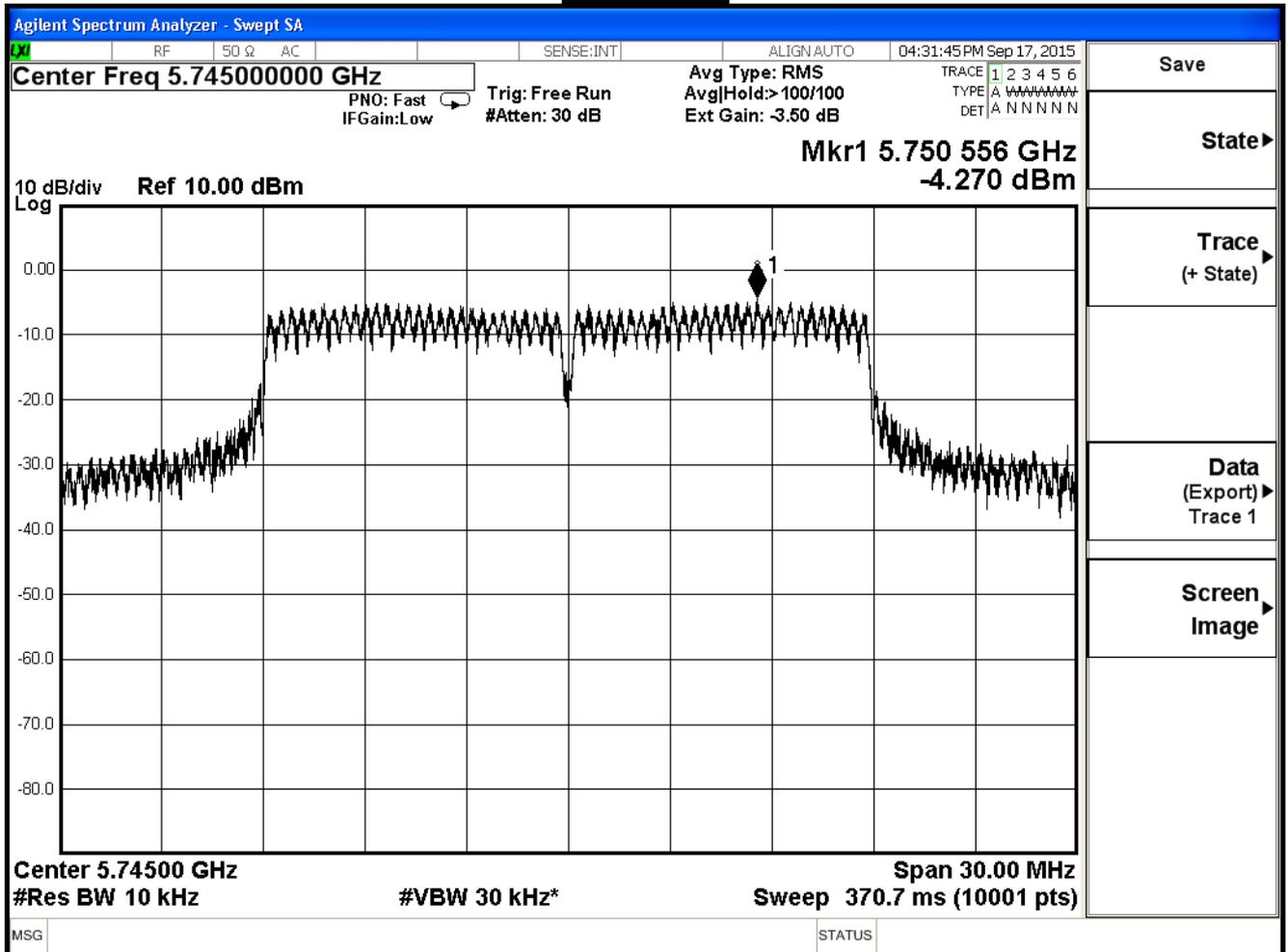
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11a (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-4.270	≤ 6.40	Pass
157	5785	-5.339	≤ 6.40	Pass
165	5825	-5.355	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 149



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11a (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	0.460	≤ 6.40	Pass
157	5785	-0.811	≤ 6.40	Pass
165	5825	-0.585	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

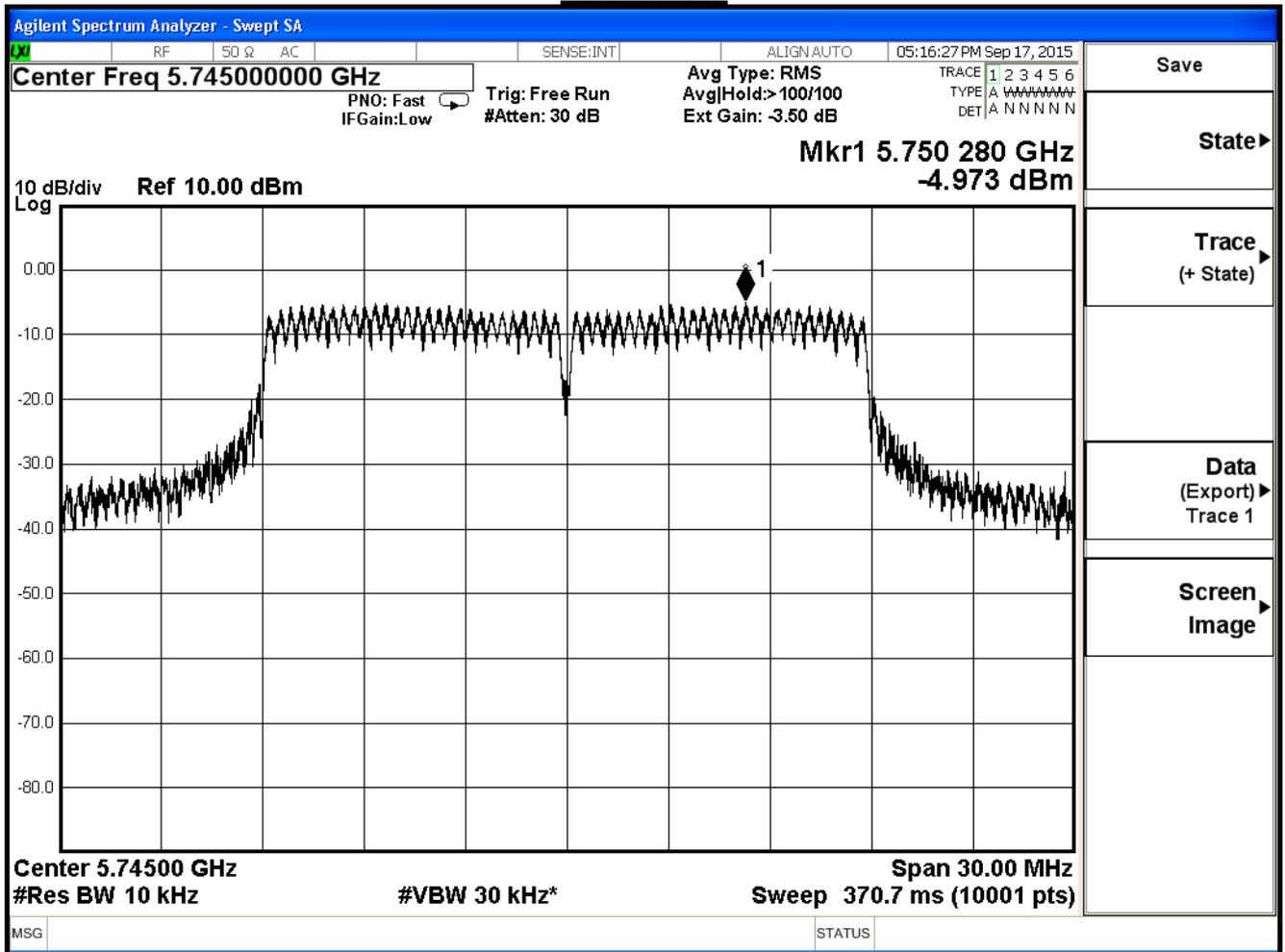
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-4.973	≤ 6.40	Pass
157	5785	-3.458	≤ 6.40	Pass
165	5825	-3.766	≤ 6.40	Pass

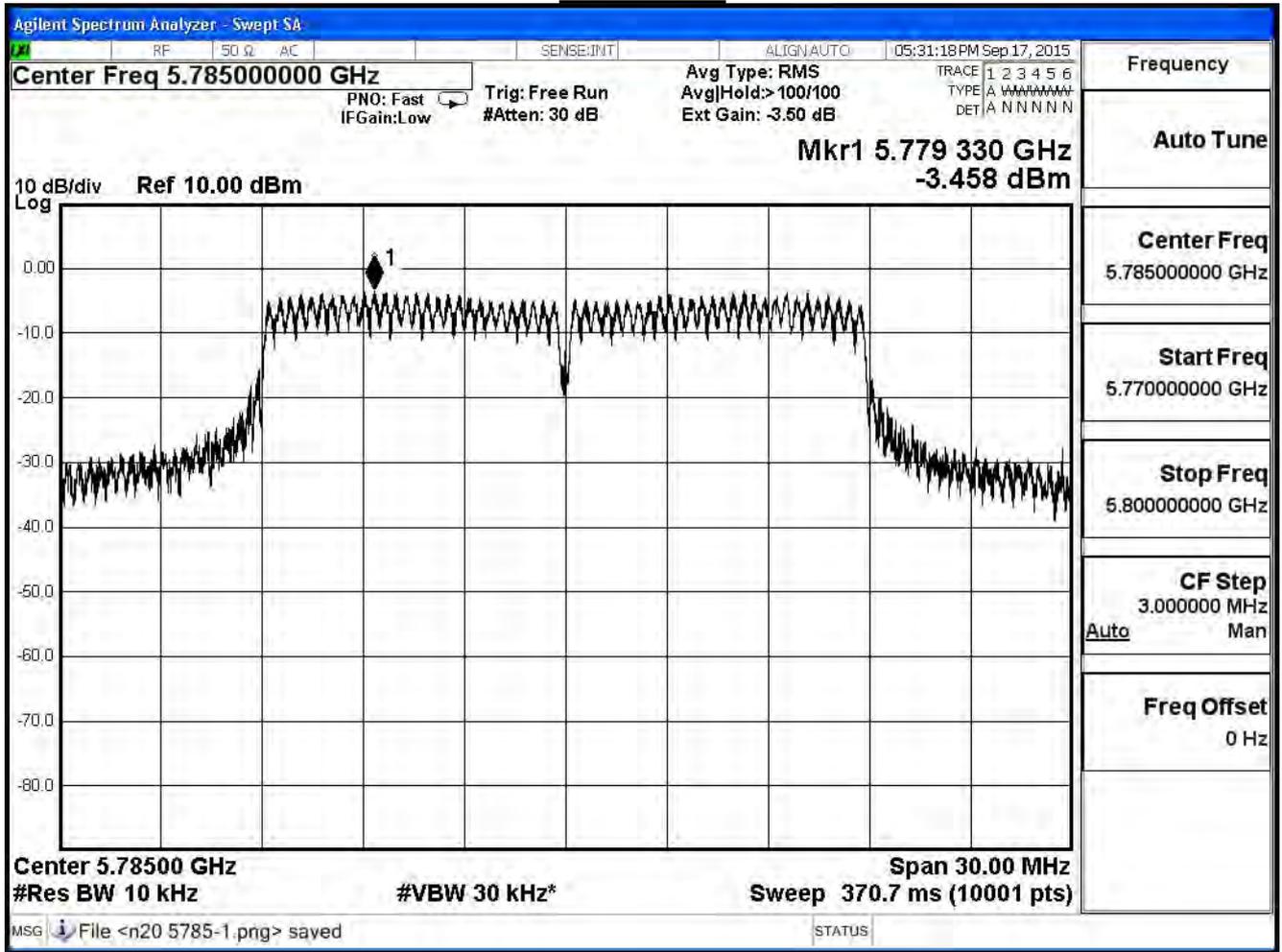
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 149



Channel 157



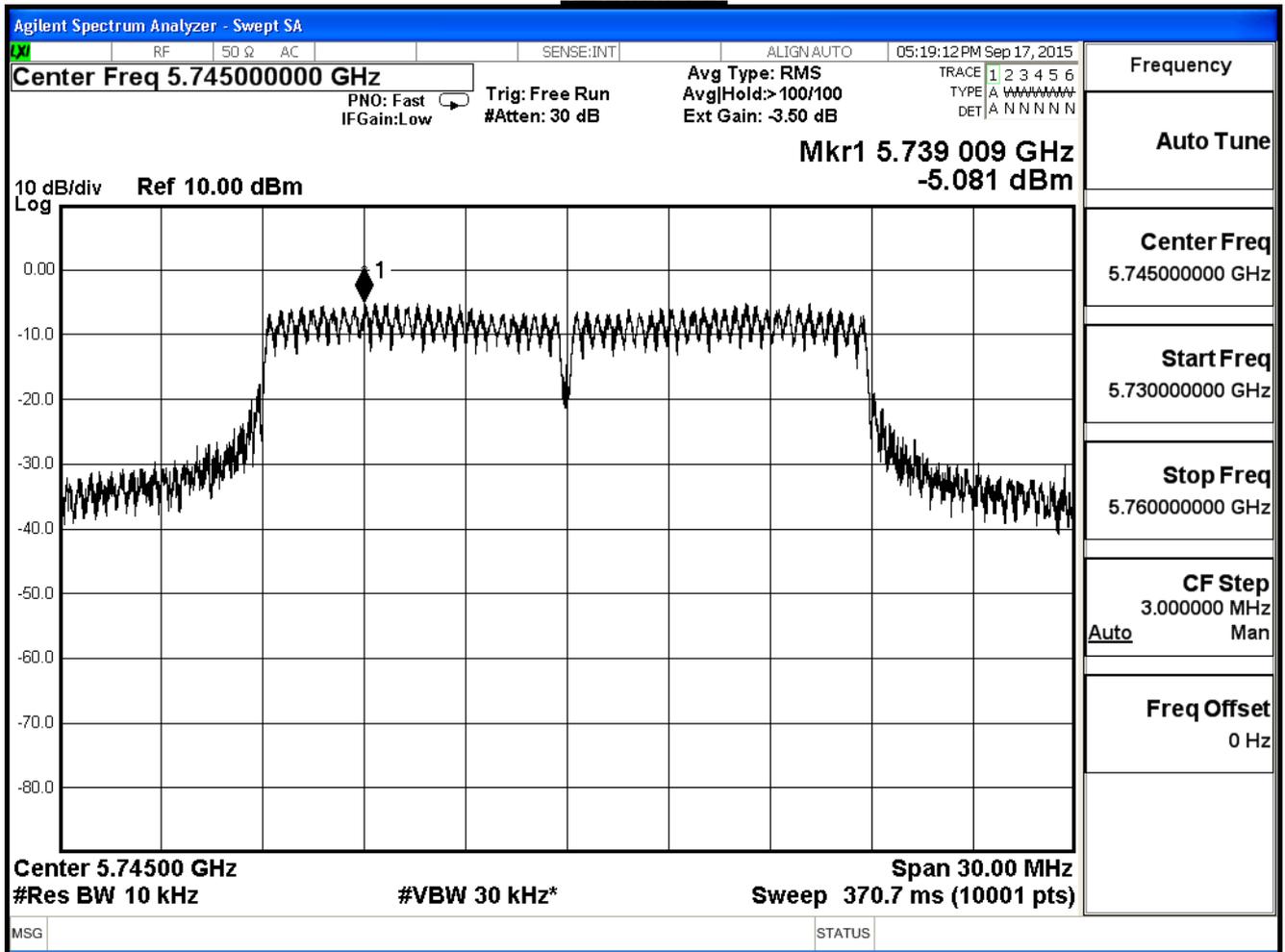
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-5.081	≤ 6.40	Pass
157	5785	-3.212	≤ 6.40	Pass
165	5825	-3.120	≤ 6.40	Pass

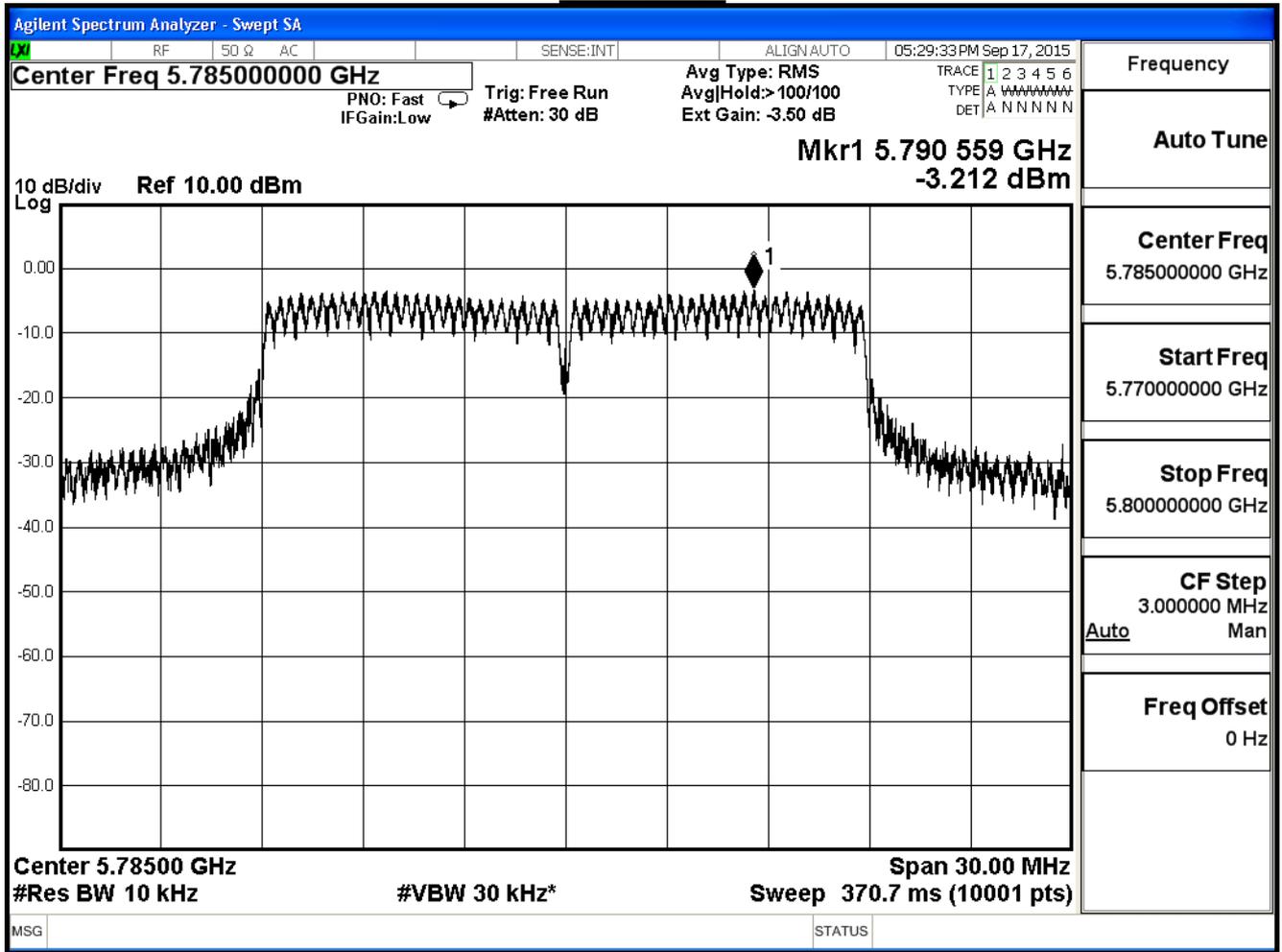
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 149



Channel 157



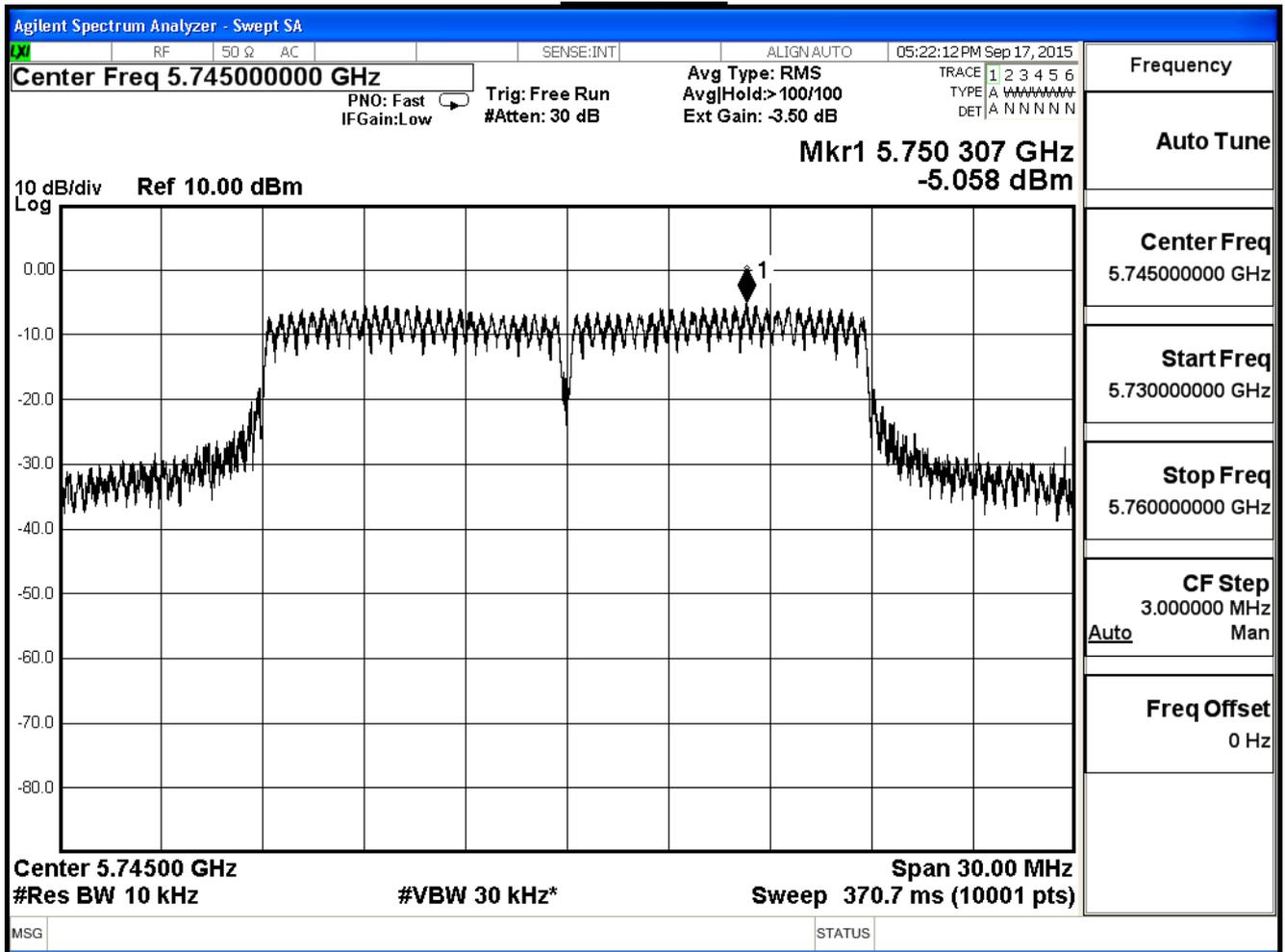
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-5.058	≤ 6.40	Pass
157	5785	-3.613	≤ 6.40	Pass
165	5825	-3.247	≤ 6.40	Pass

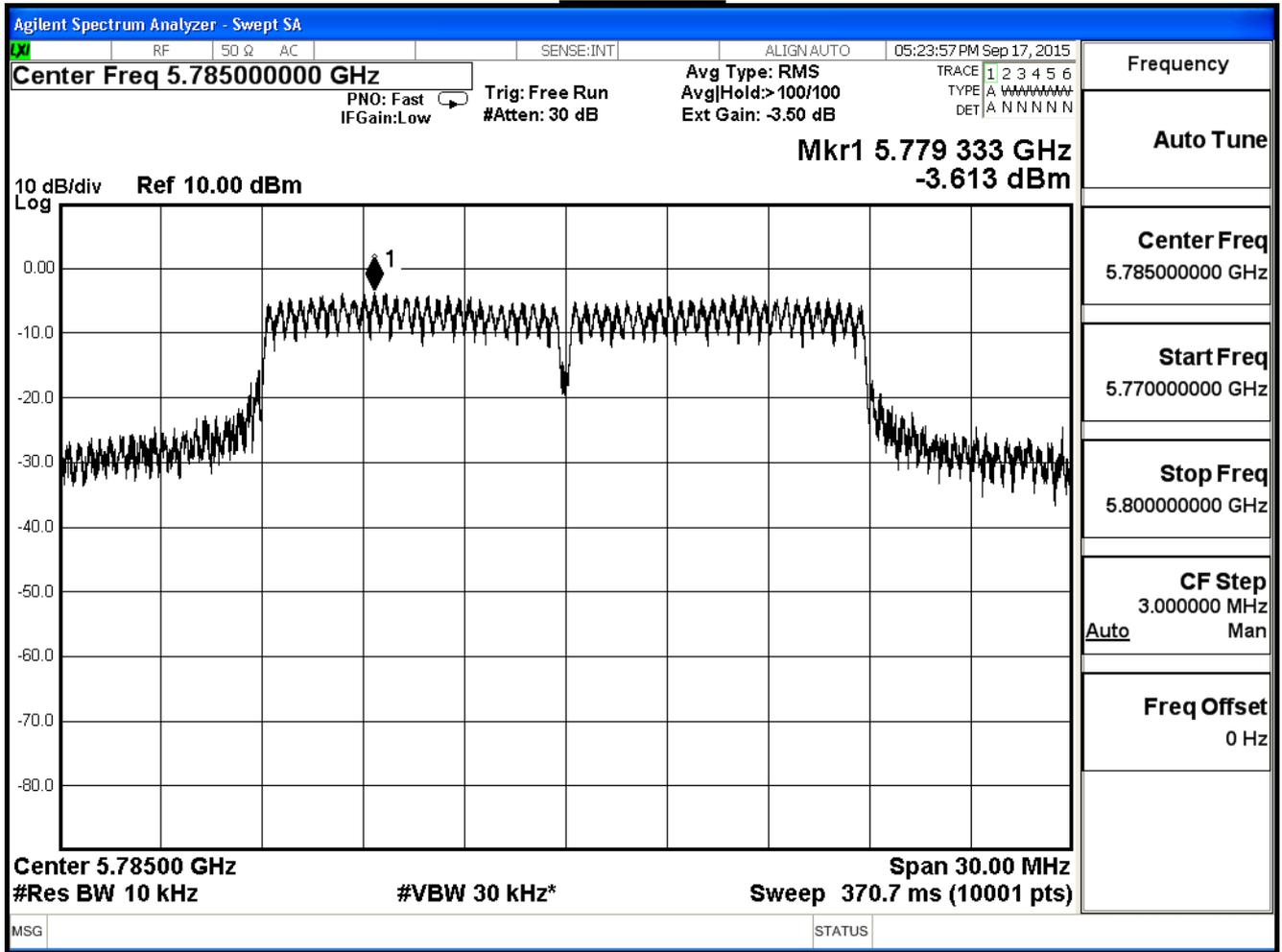
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 149



Channel 157



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-0.266	≤ 6.40	Pass
157	5785	1.347	≤ 6.40	Pass
165	5825	1.402	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

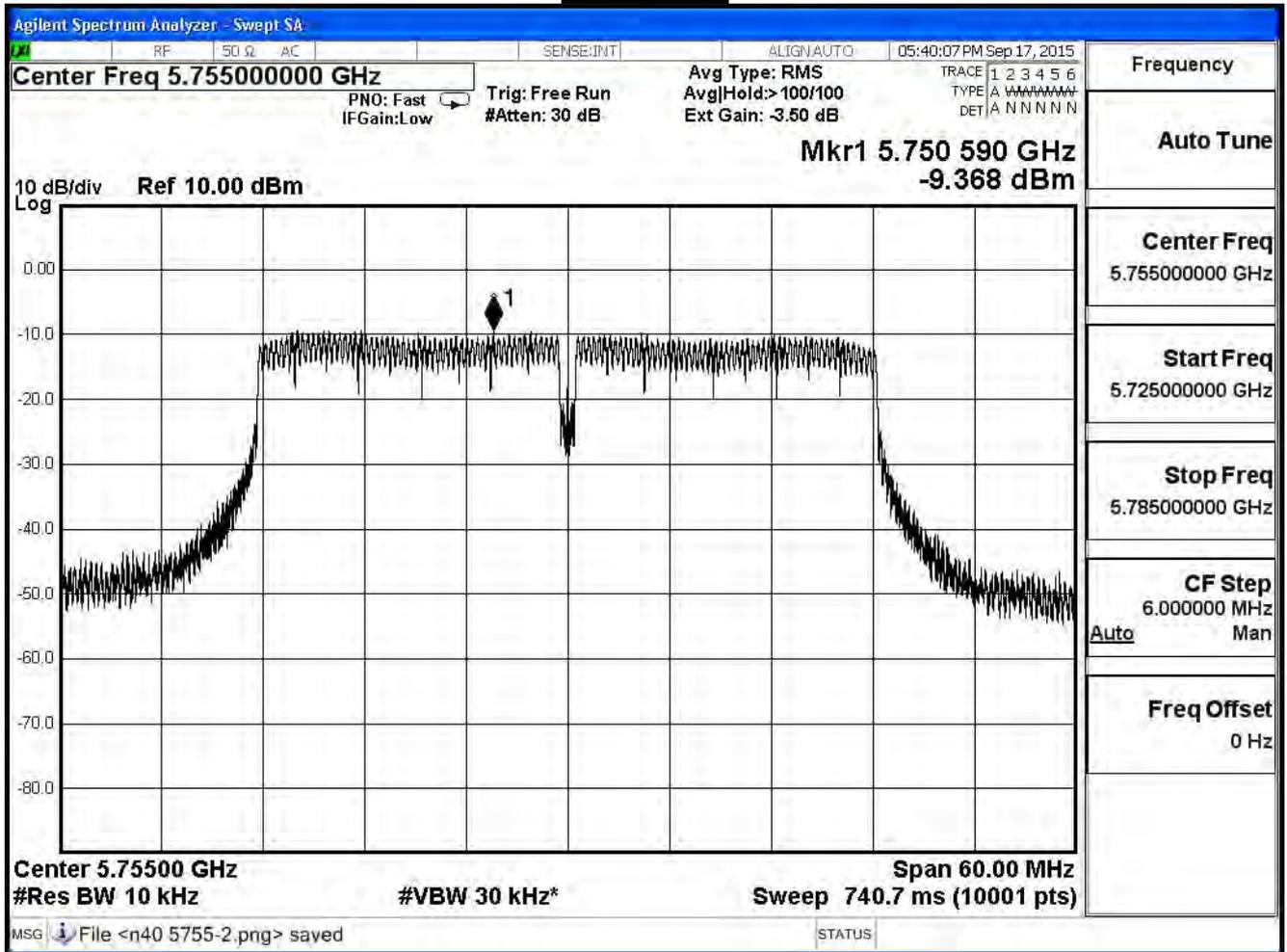
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-9.368	≤ 6.40	Pass
159	5795	-5.157	≤ 6.40	Pass

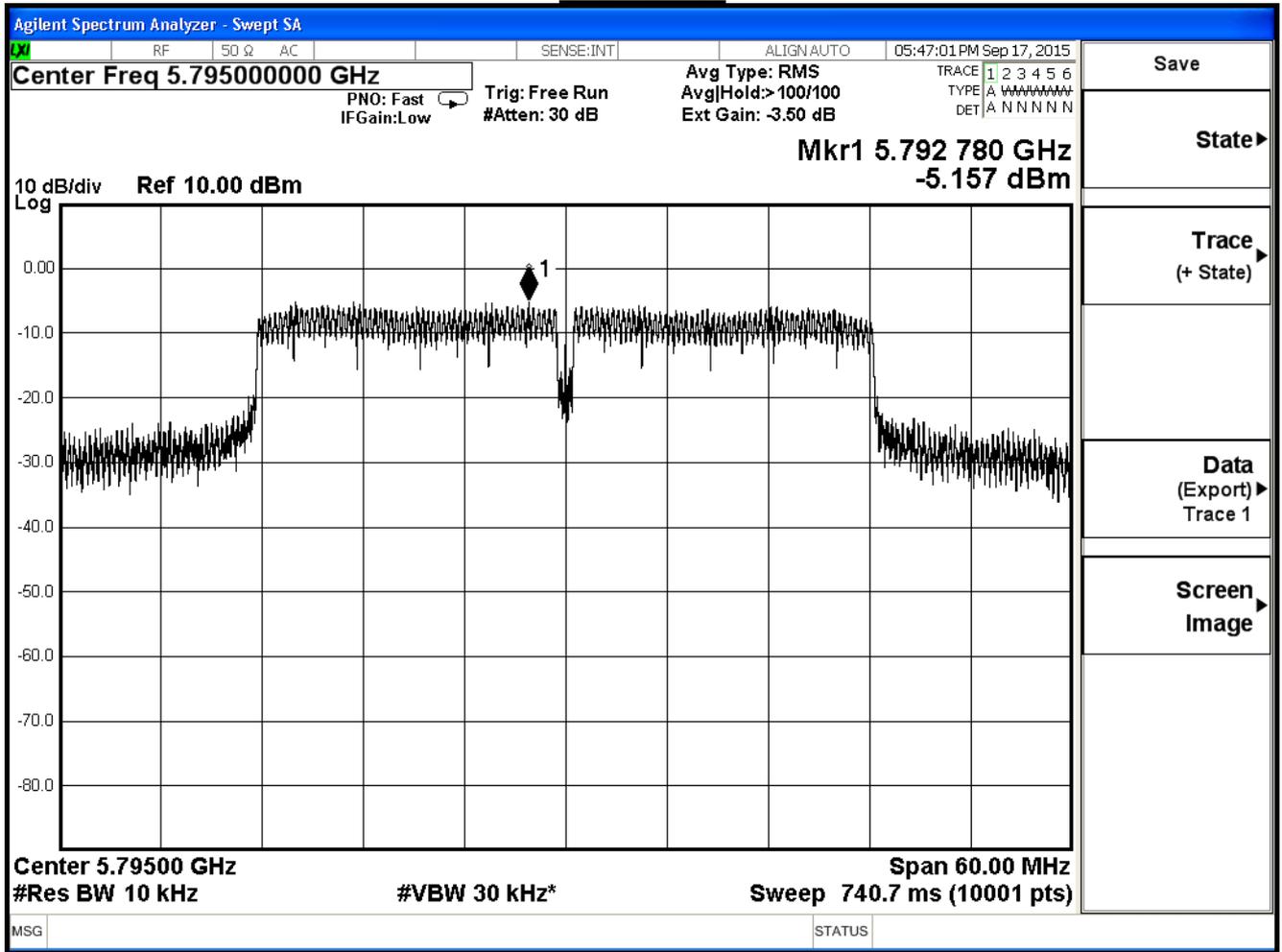
Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 151



Channel 159



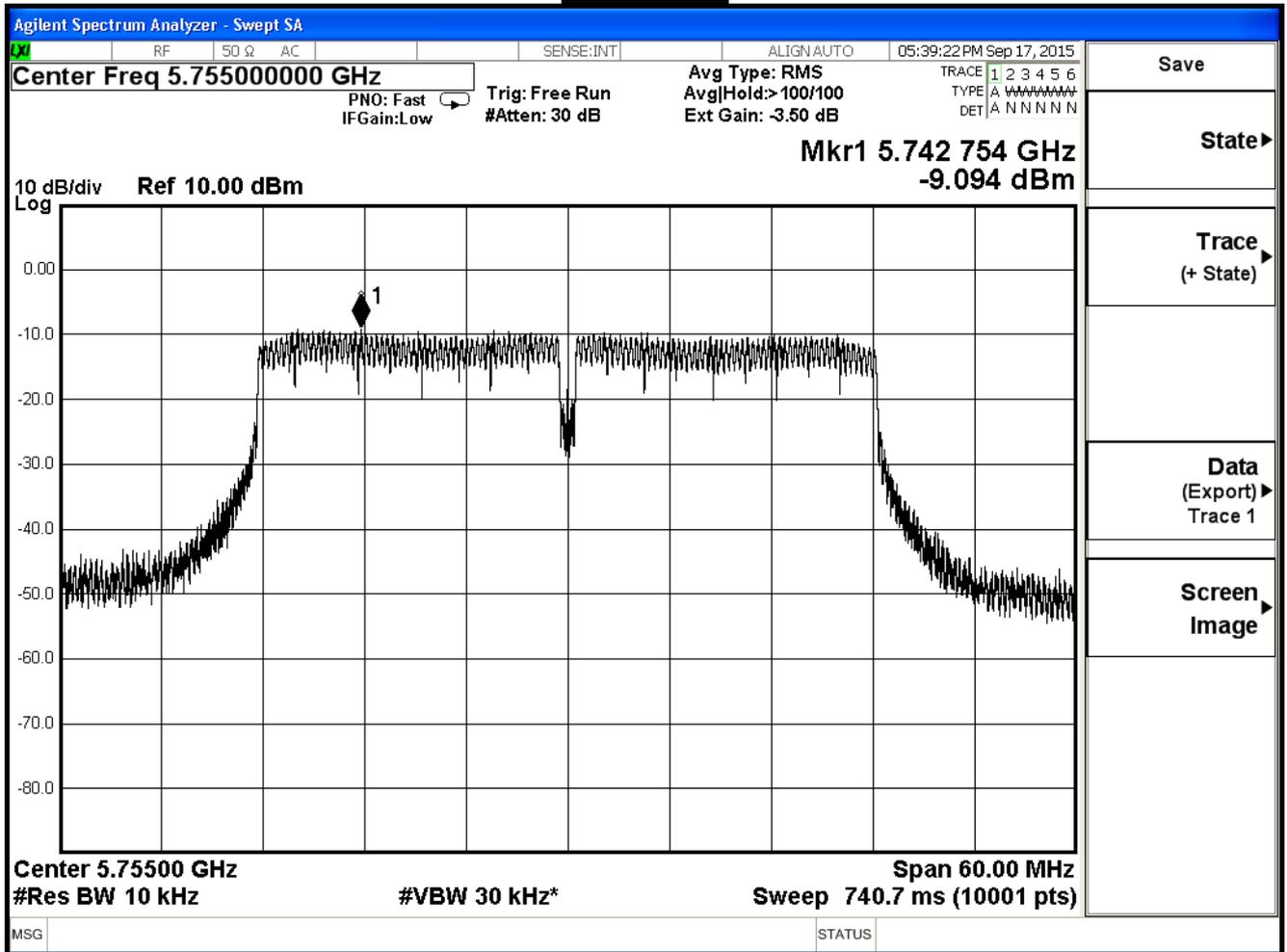
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-9.094	≤ 6.40	Pass
159	5795	-5.080	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 151



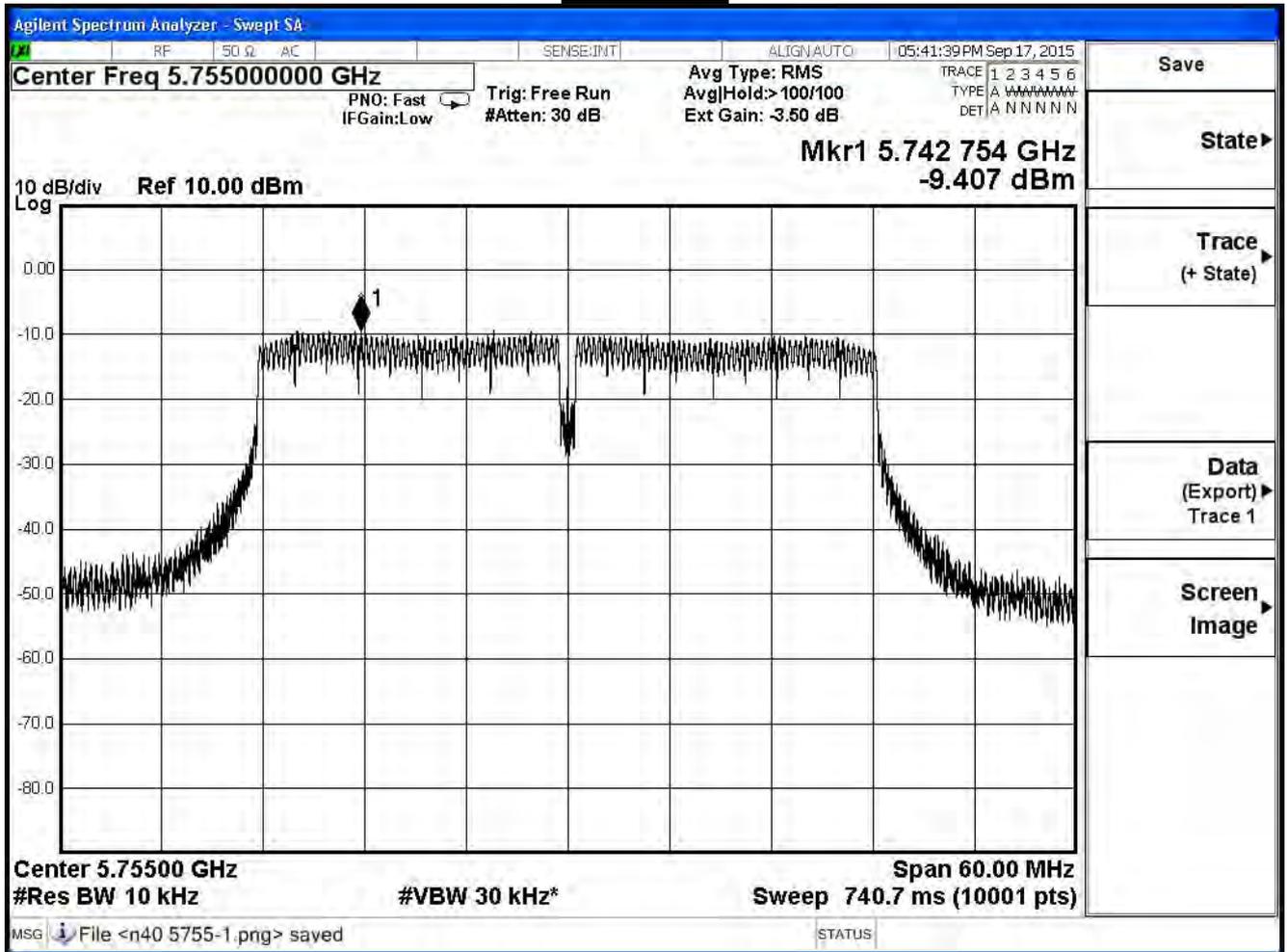
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-9.407	≤ 6.40	Pass
159	5795	-4.940	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 151



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-4.516	≤ 6.40	Pass
159	5795	-0.287	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

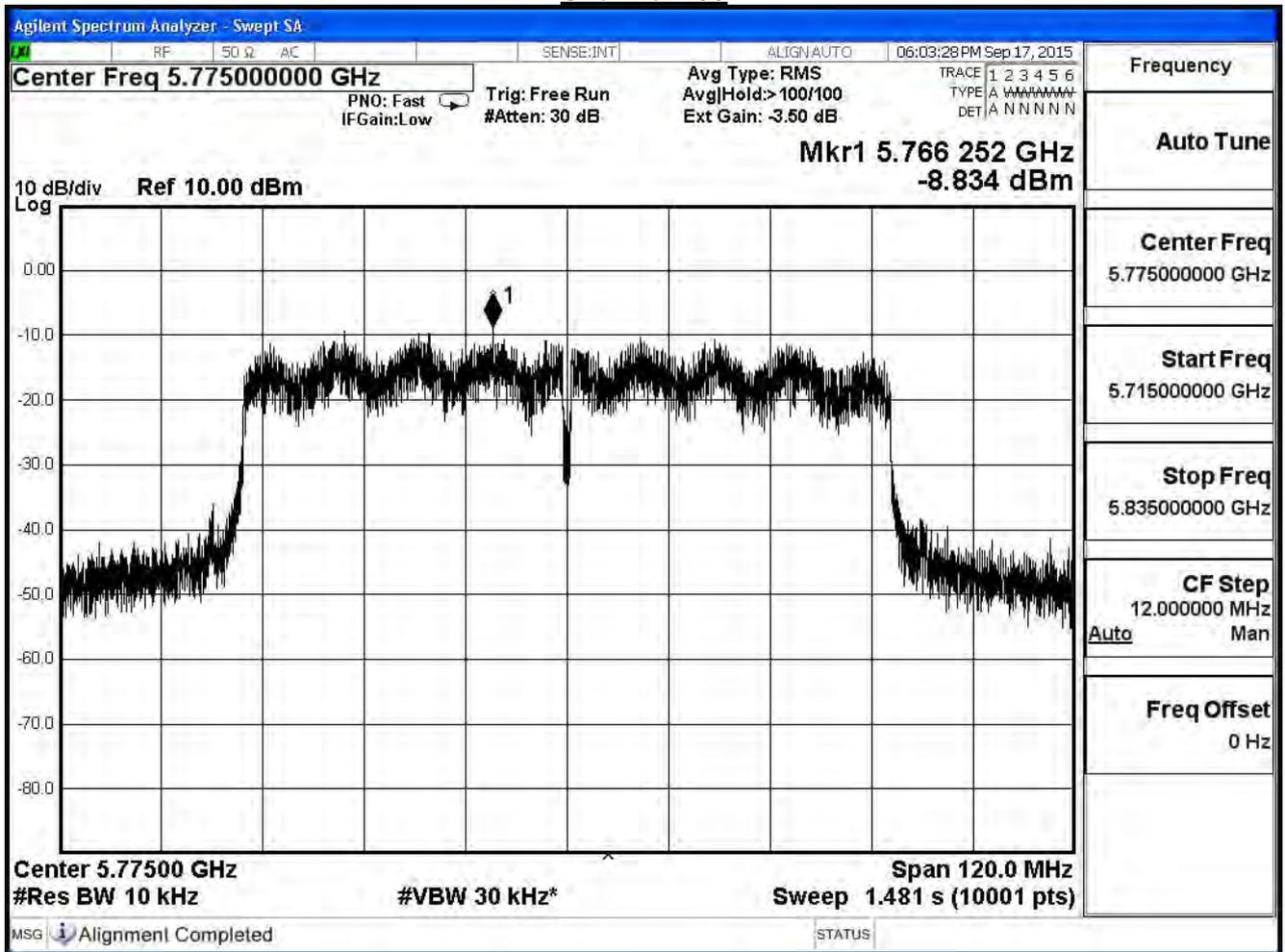
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-8.834	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 155



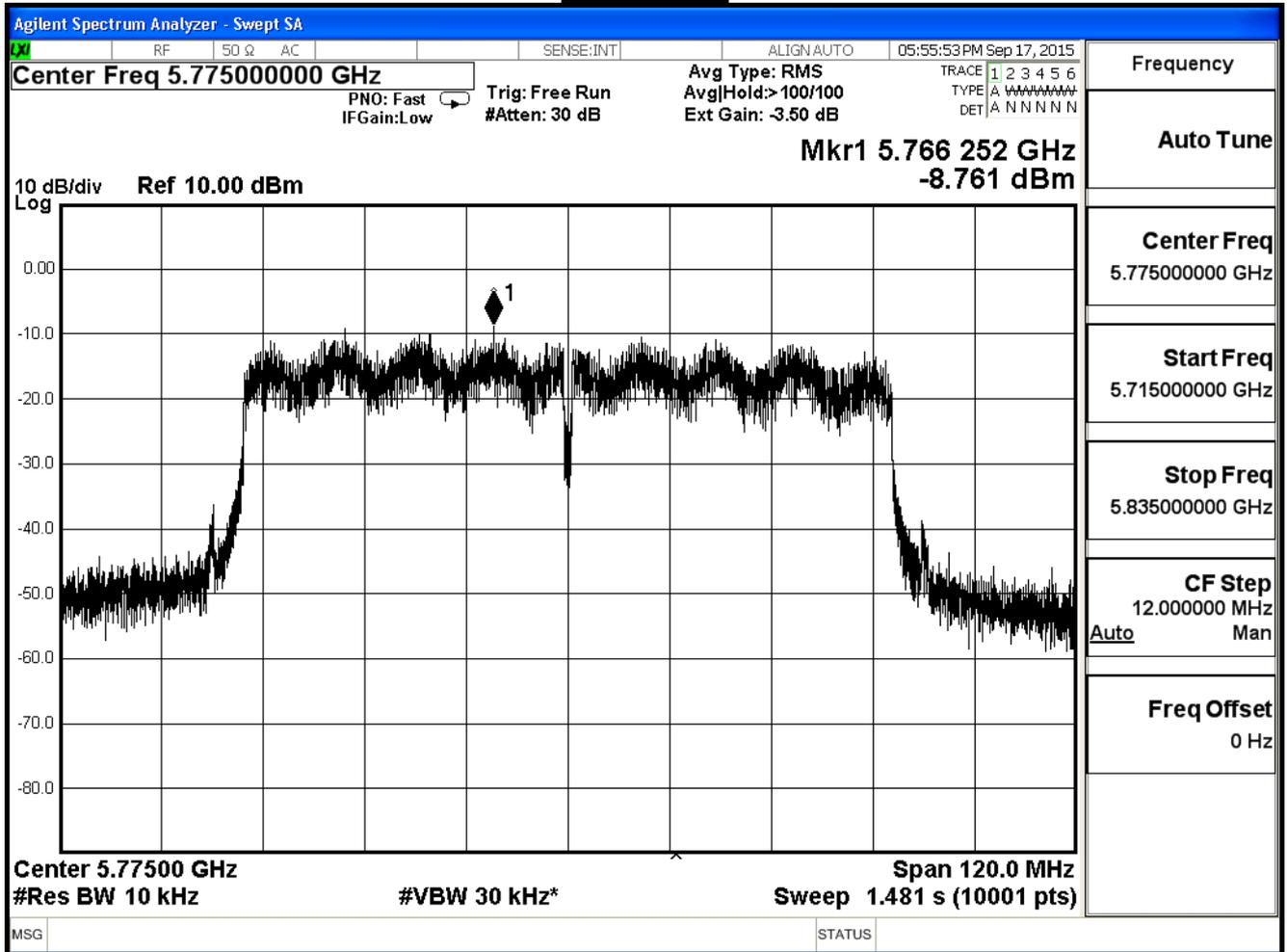
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-8.761	≤6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 155



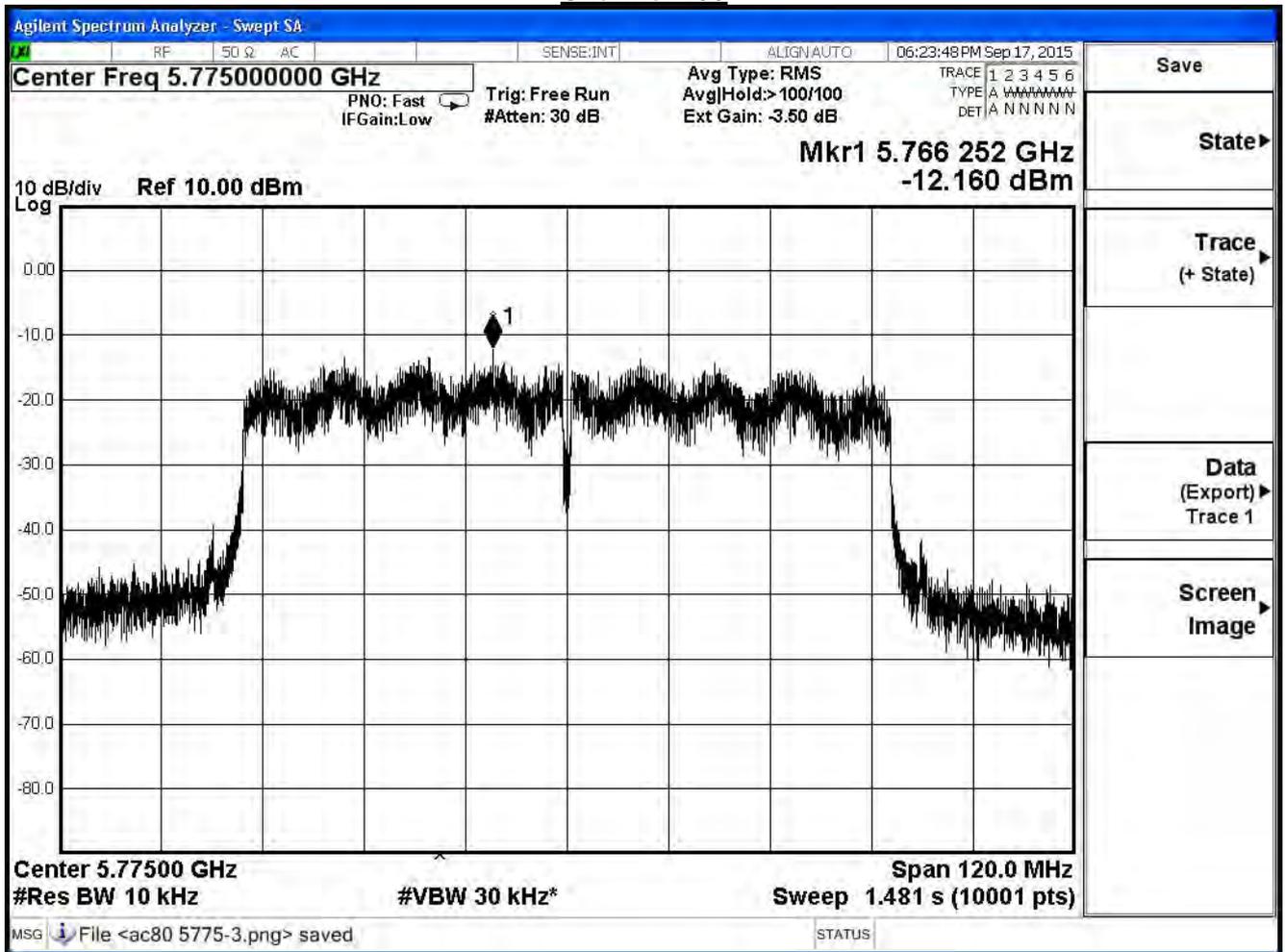
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-12.160	≤6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 155



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD Mode_AD890326		
Date of Test	2015/09/17	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-4.886	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

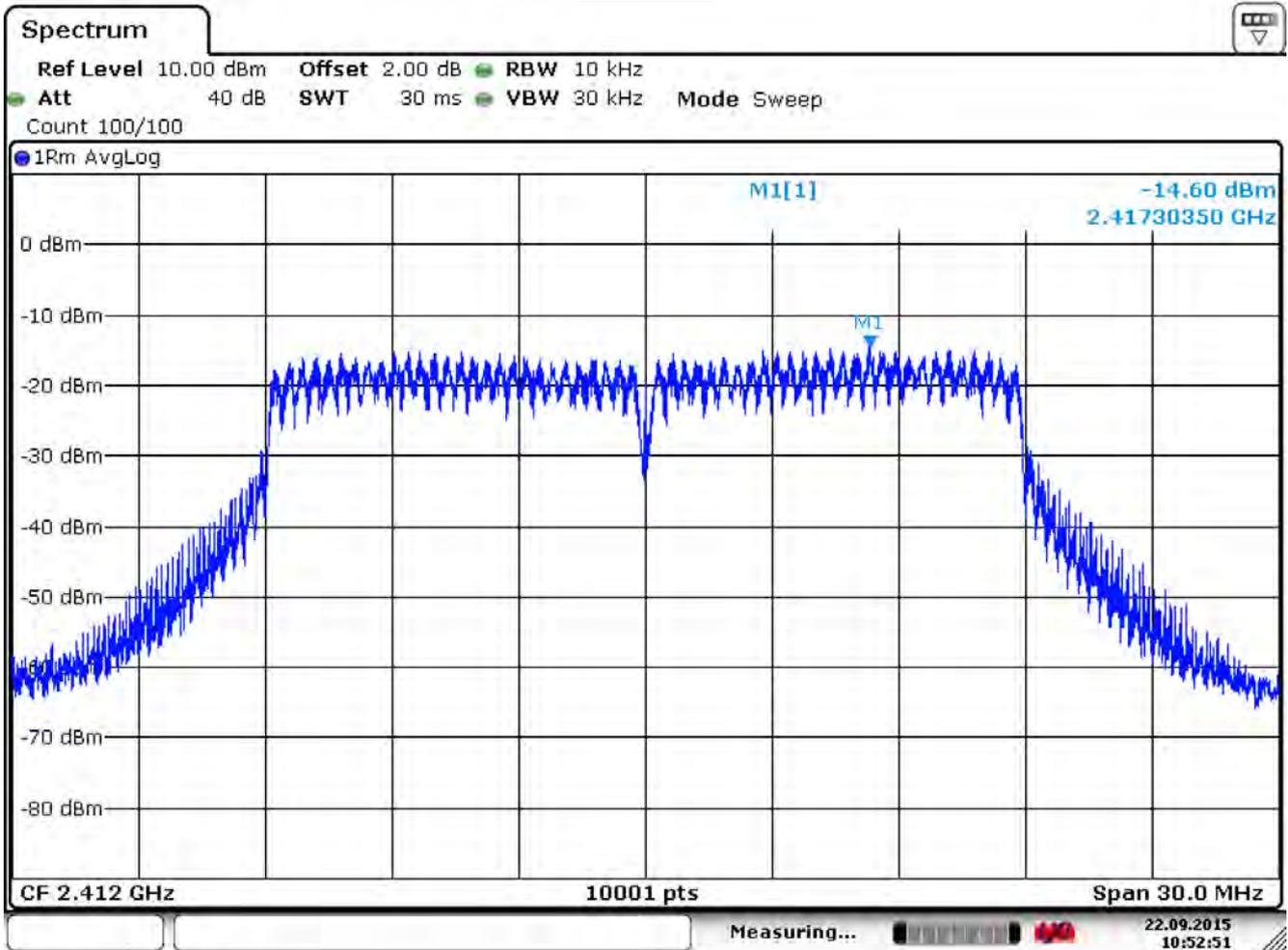
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n 20MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-14.60	≤ 7.43	Pass
6	2437	-9.31	≤ 7.43	Pass
11	2462	-13.73	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

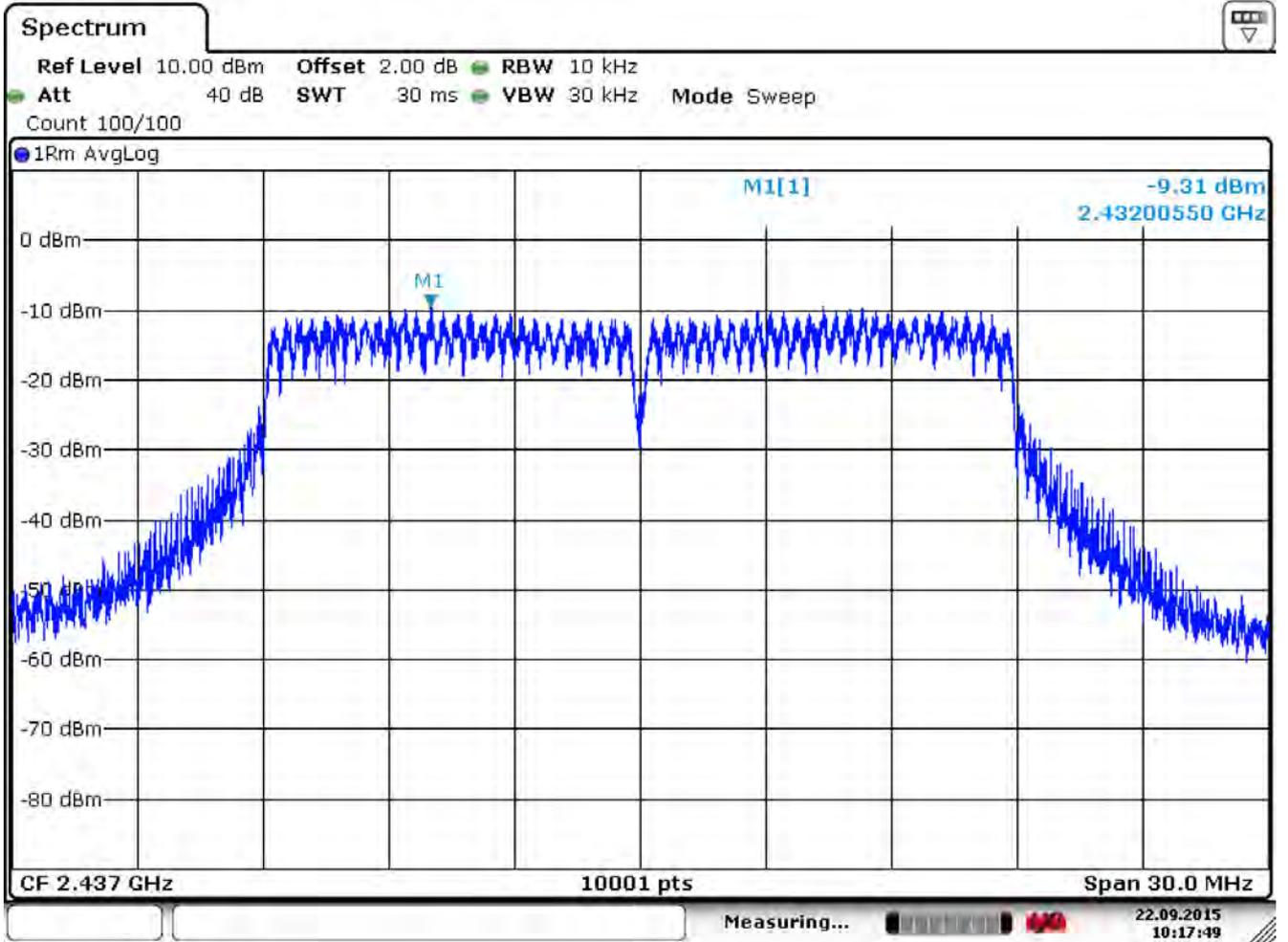
Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 1



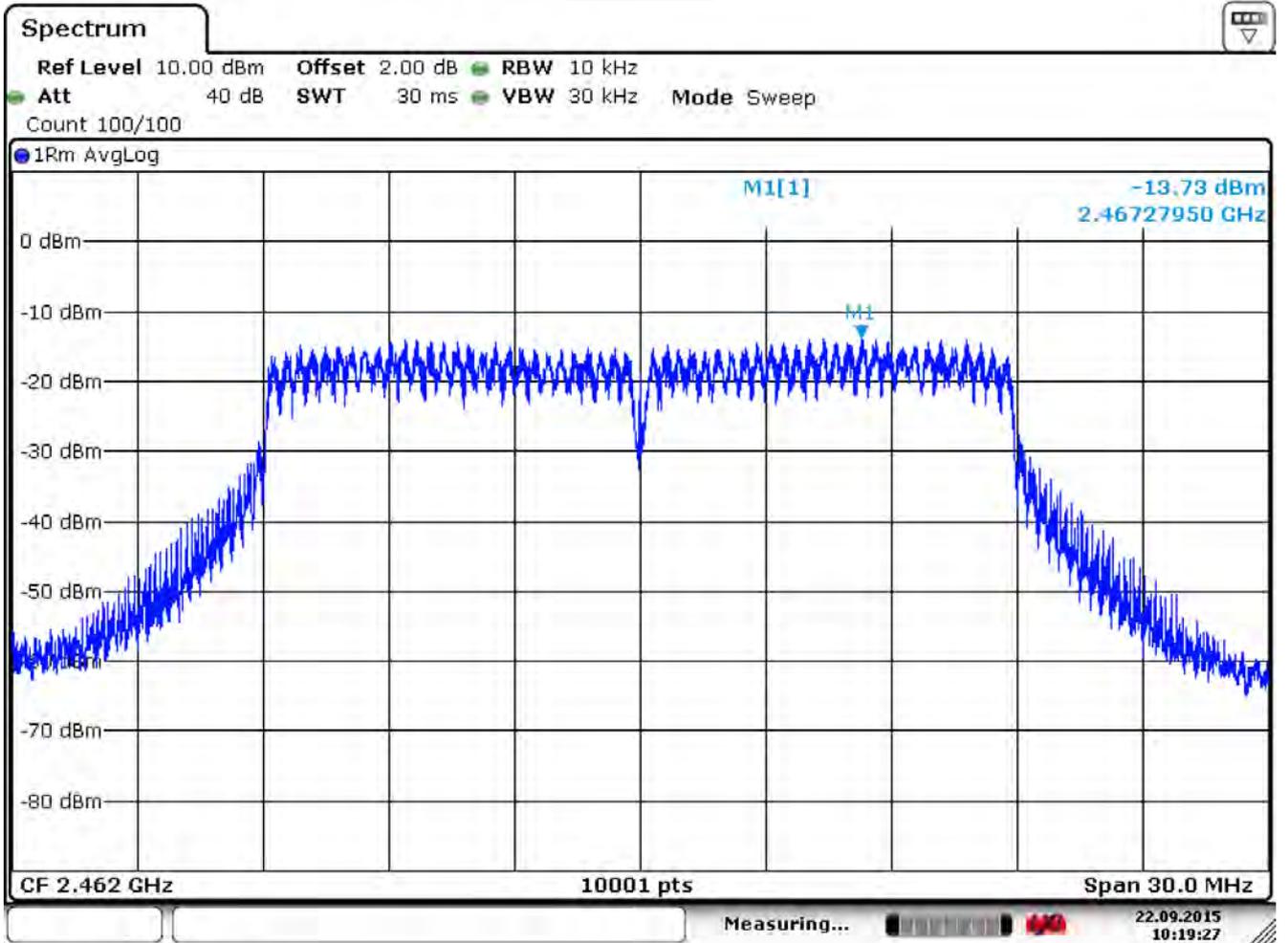
Date: 22 SEP. 2015 10:52:52

Channel 6



Date: 22 SEP. 2015 10:17:50

Channel 11



Date: 22 SEP. 2015 10:19:27

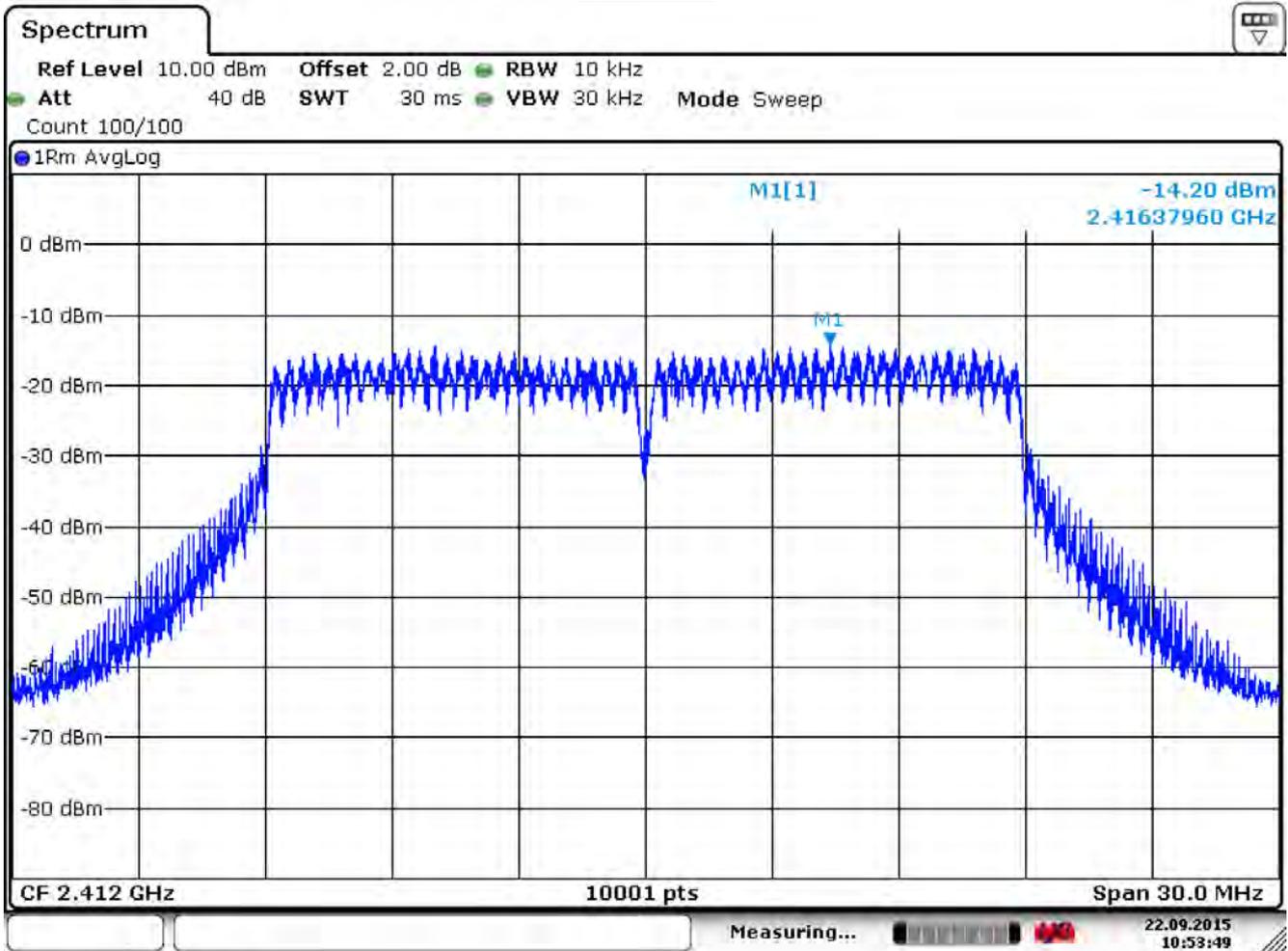
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n 20MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-14.20	≤ 7.43	Pass
6	2437	-9.79	≤ 7.43	Pass
11	2462	-13.84	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

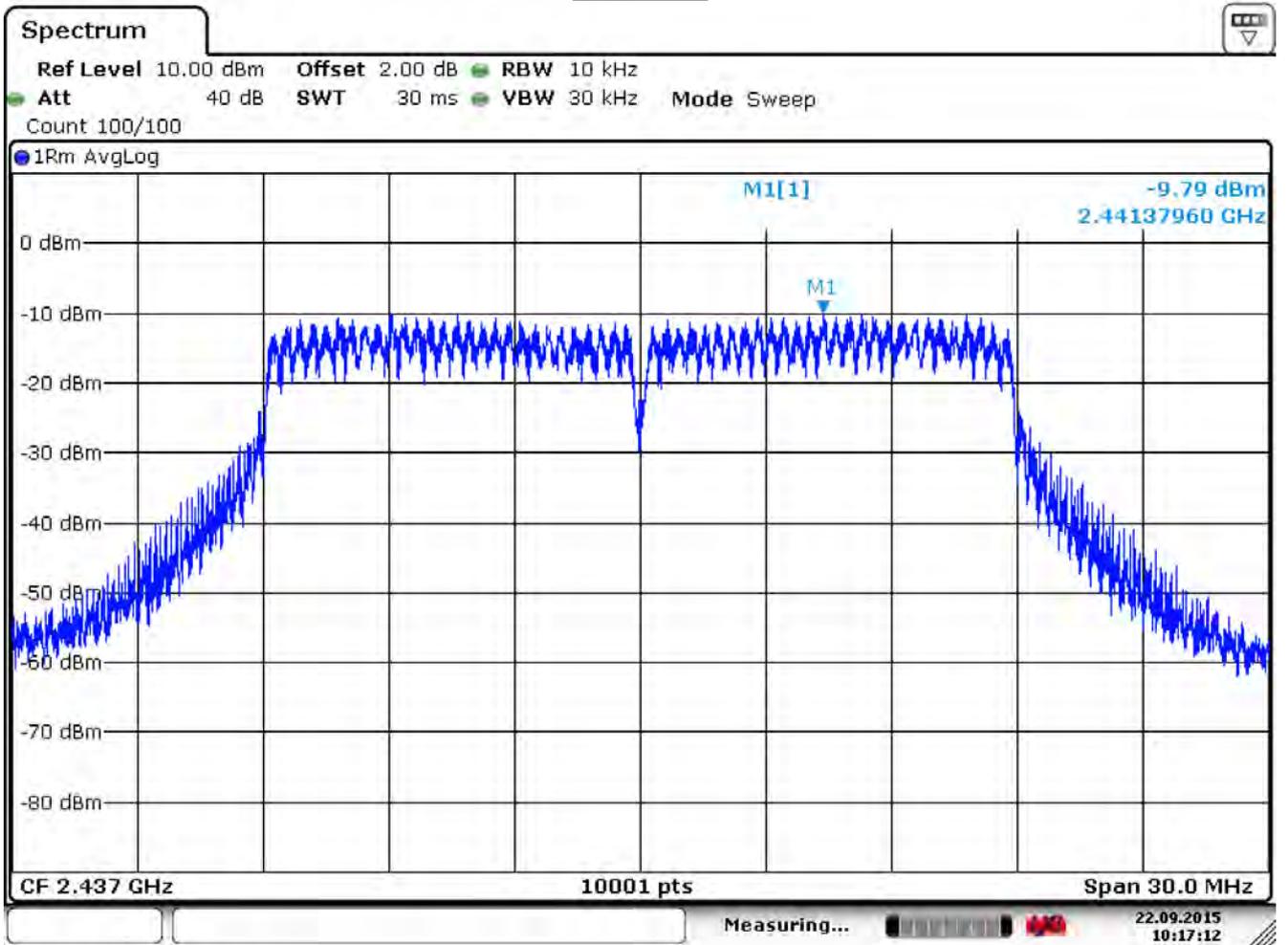
Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 1



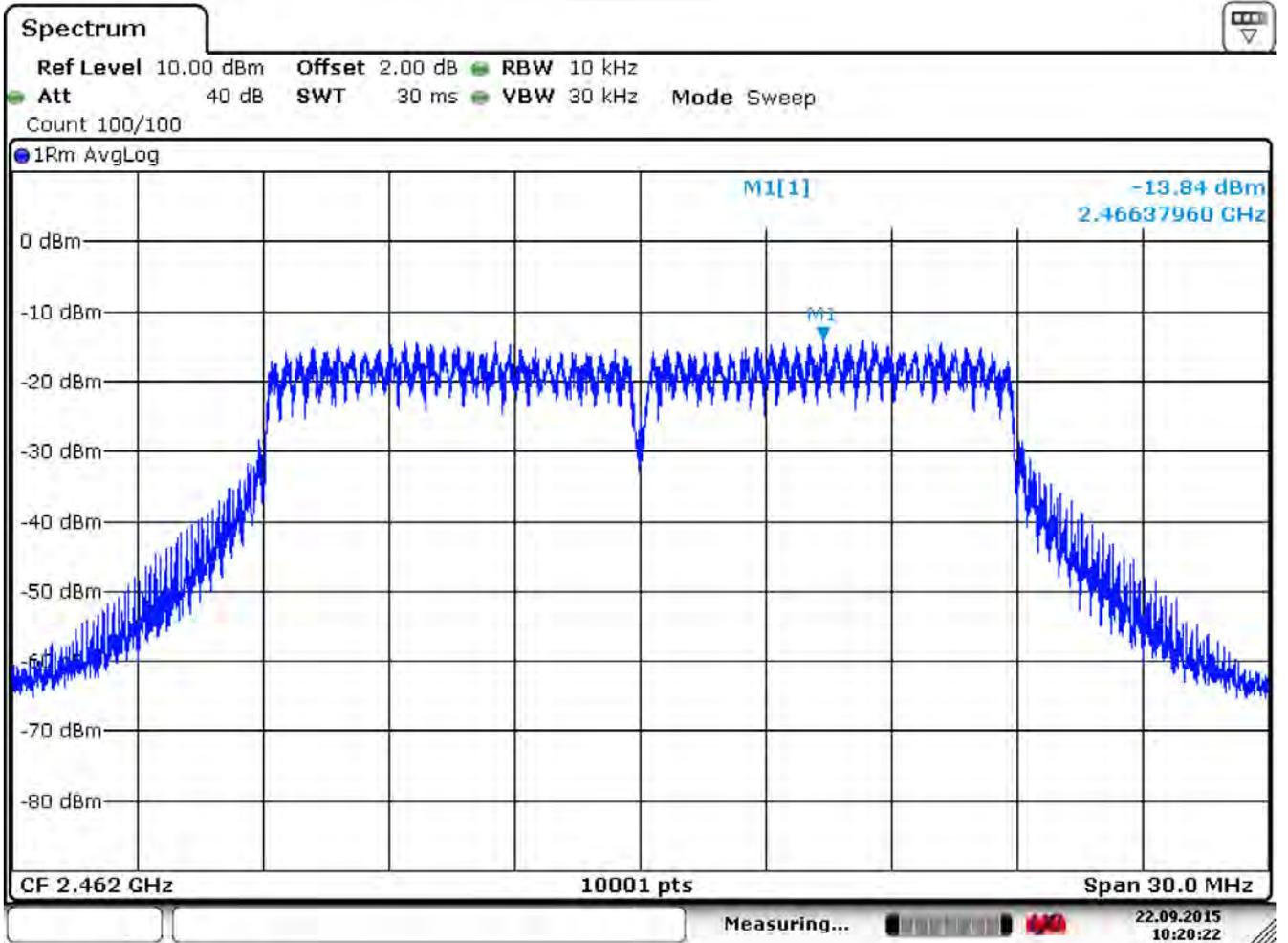
Date: 22 SEP. 2015 10:53:49

Channel 6



Date: 22 SEP. 2015 10:17:12

Channel 11



Date: 22 SEP. 2015 10:20:23

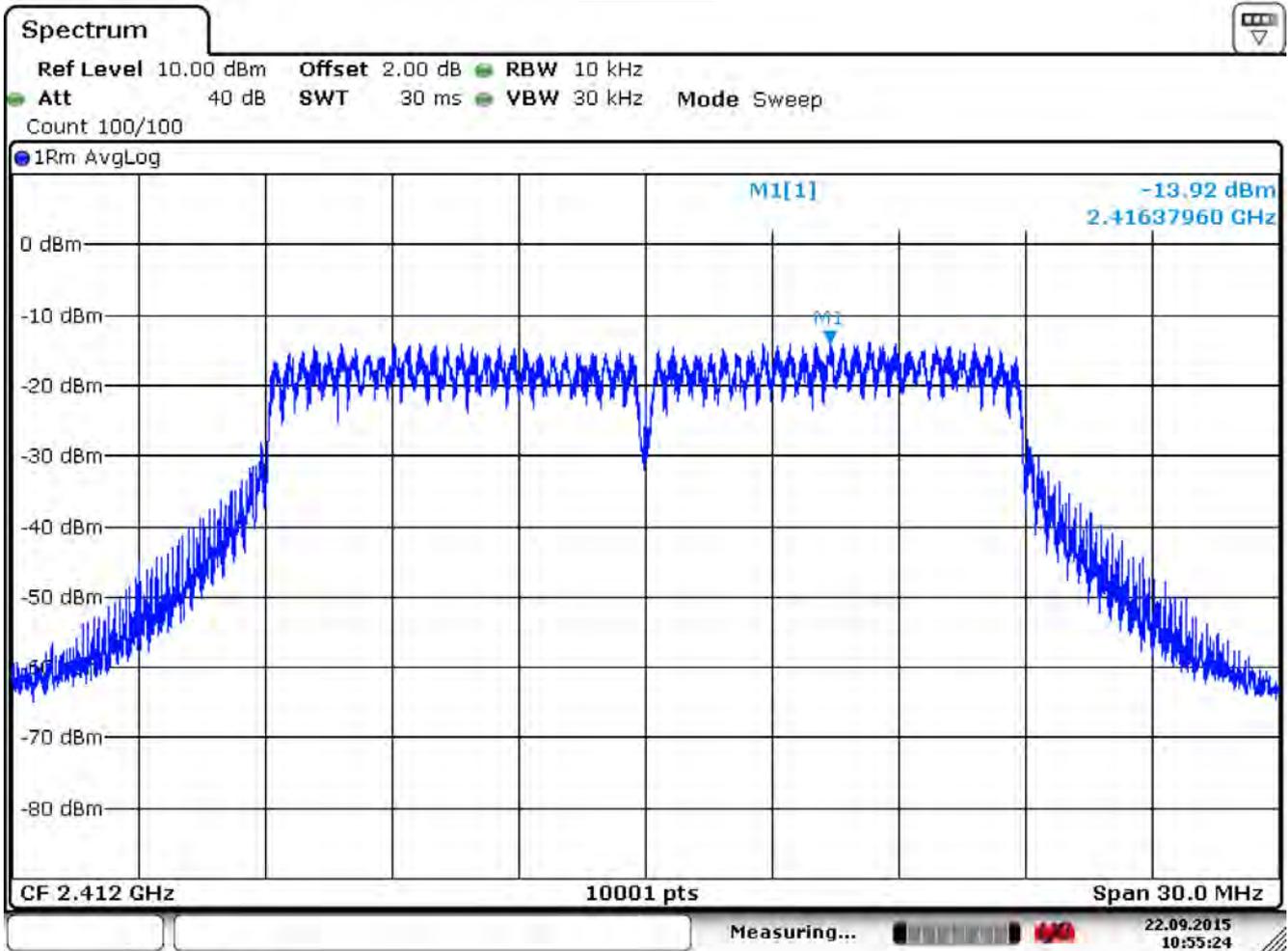
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n 20MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-13.92	≤ 7.43	Pass
6	2437	-9.18	≤ 7.43	Pass
11	2462	-13.81	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

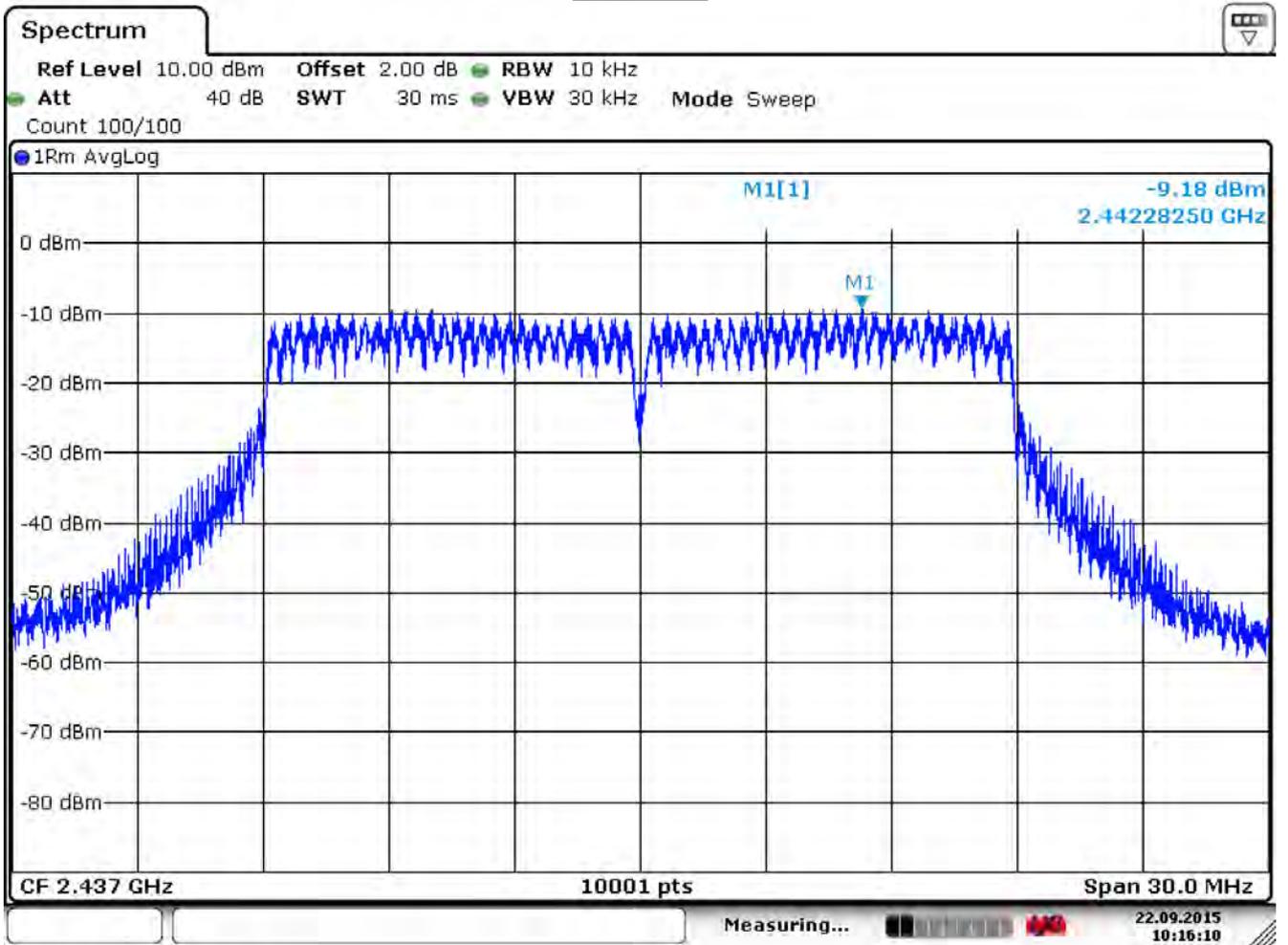
Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 1



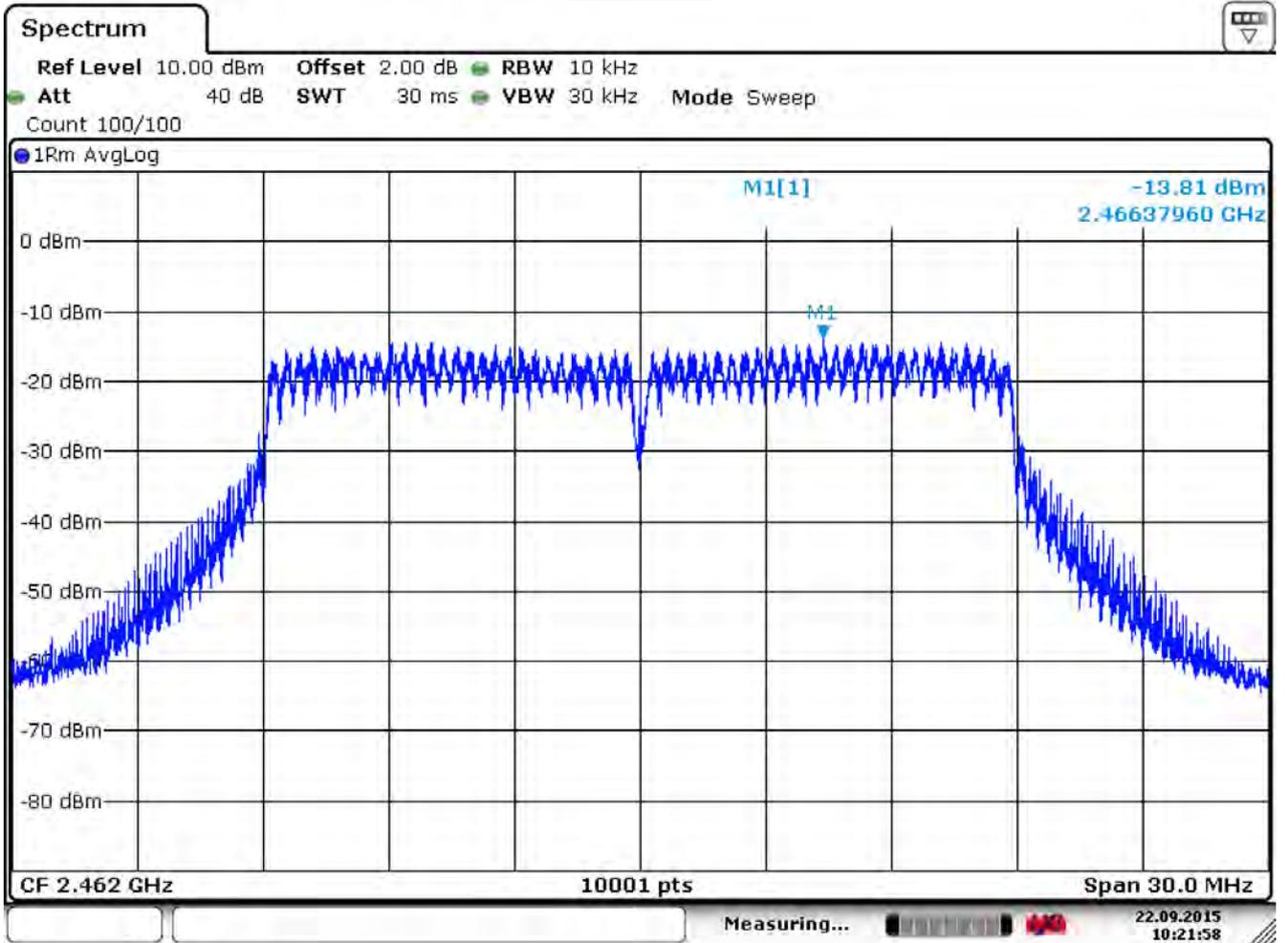
Date: 22 SEP. 2015 10:55:25

Channel 6



Date: 22 SEP. 2015 10:16:10

Channel 11



Date: 22.SEP.2015 10:21:57

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n 20MHz (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-9.46	≤ 7.43	Pass
6	2437	-4.65	≤ 7.43	Pass
11	2462	-9.02	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

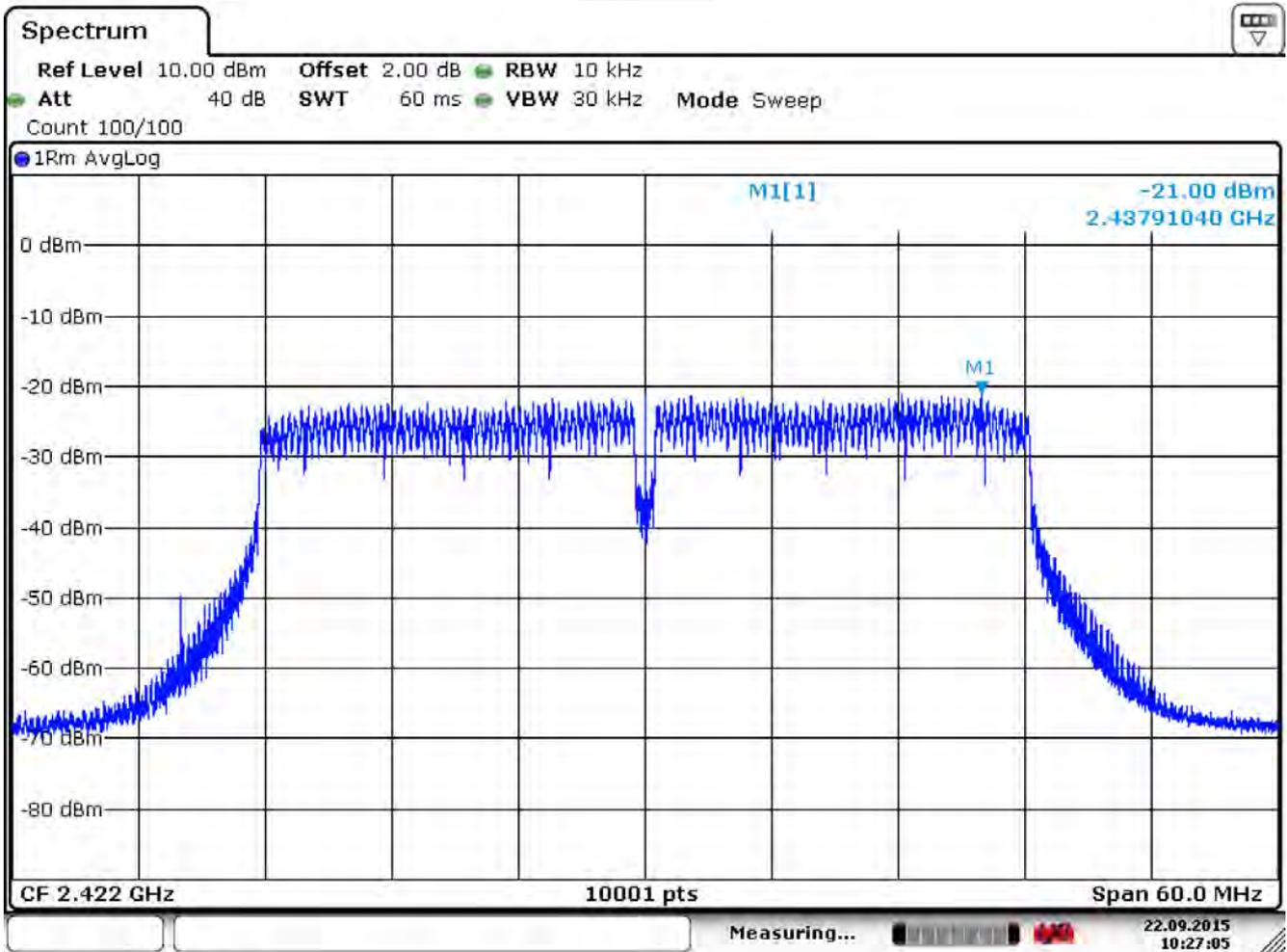
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n 40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-21.00	≤ 7.43	Pass
6	2437	-16.30	≤ 7.43	Pass
9	2452	-17.16	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57$ dBi

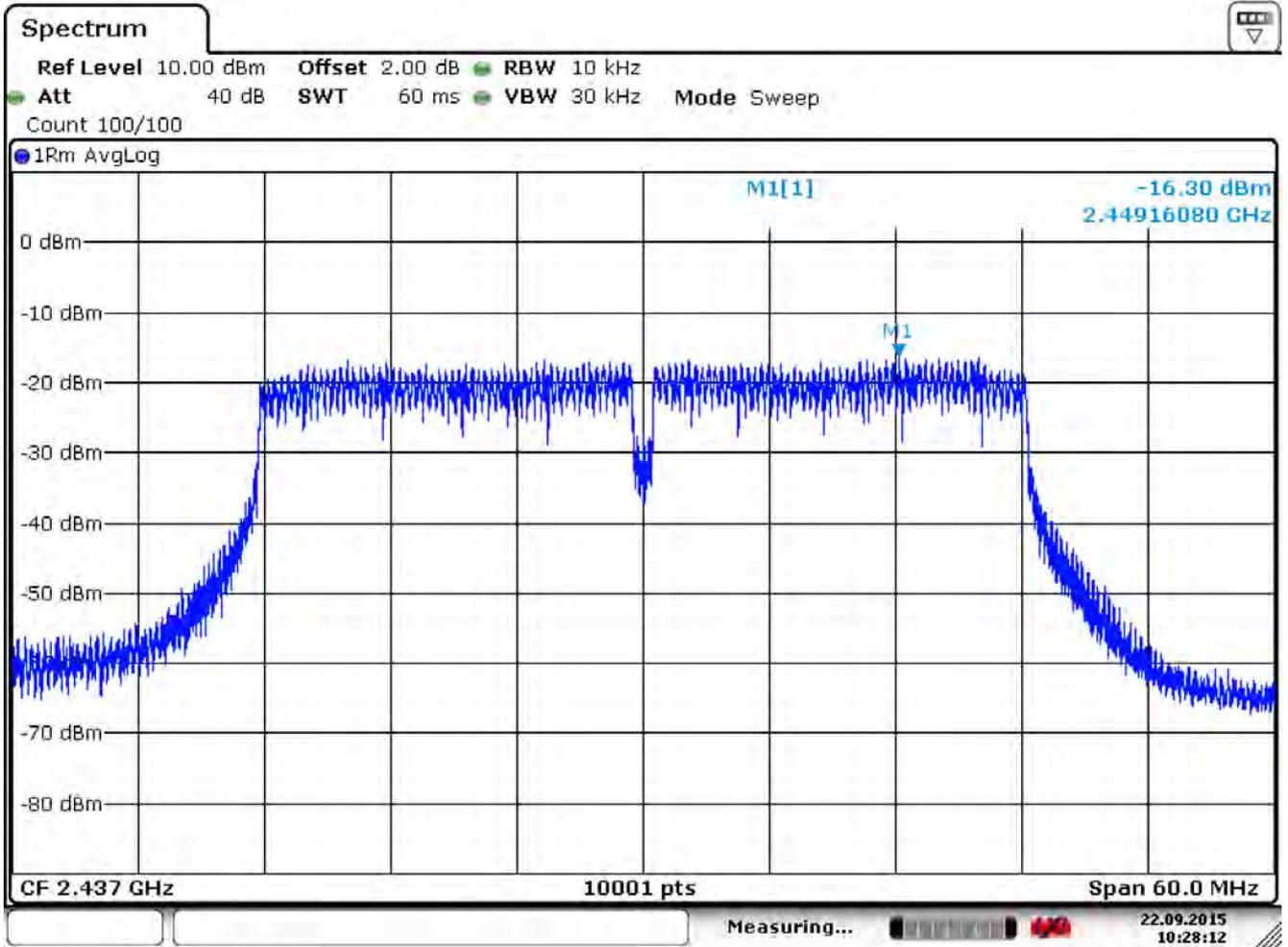
Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43$ dBm

Channel 3



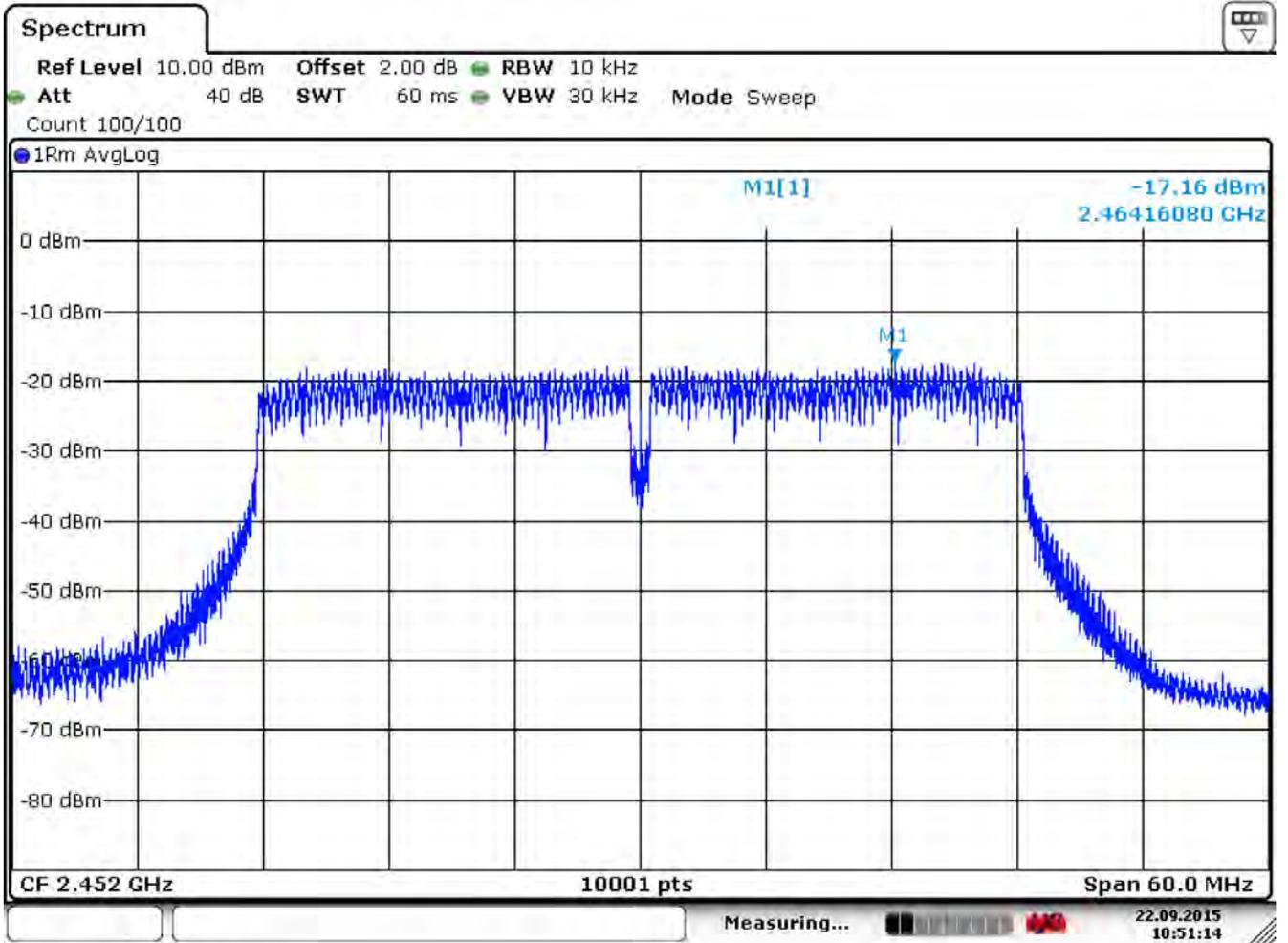
Date: 22 SEP. 2015 10:27:05

Channel 6



Date: 22 SEP. 2015 10:28:12

Channel 9



Date: 22 SEP. 2015 10:51:14

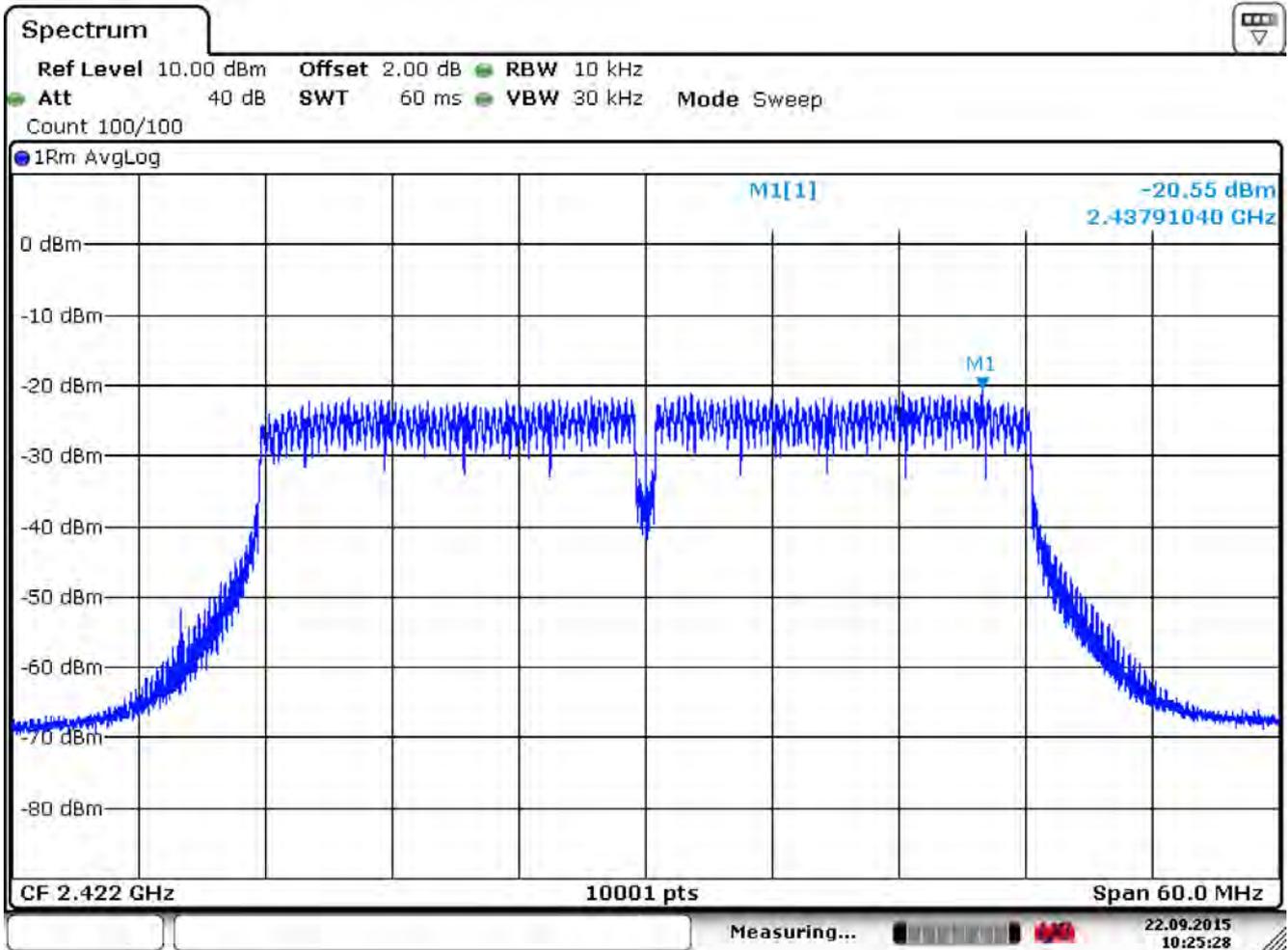
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n 40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-20.55	≤ 7.43	Pass
6	2437	-16.02	≤ 7.43	Pass
9	2452	-17.41	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57$ dBi

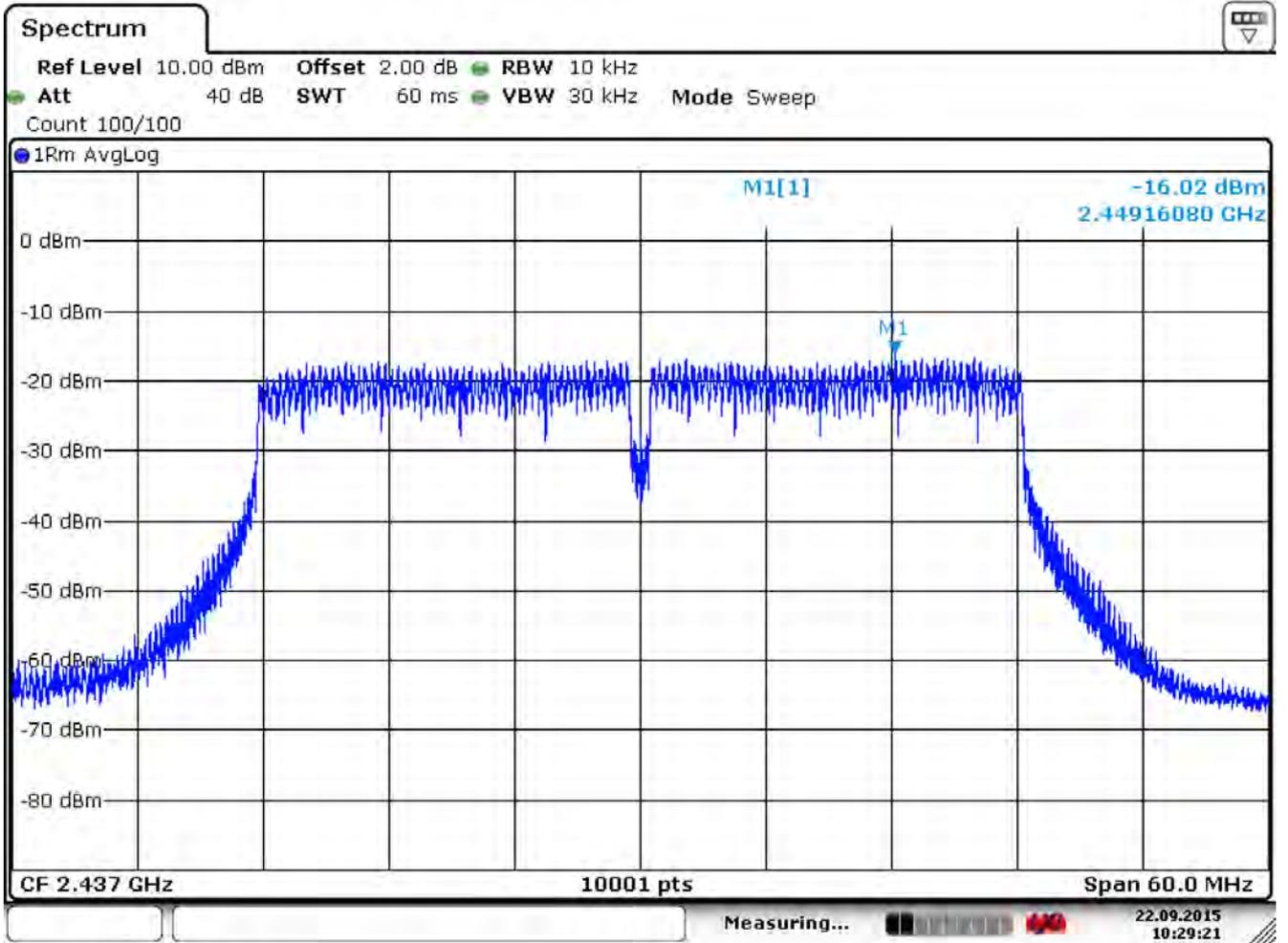
Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43$ dBm

Channel 3



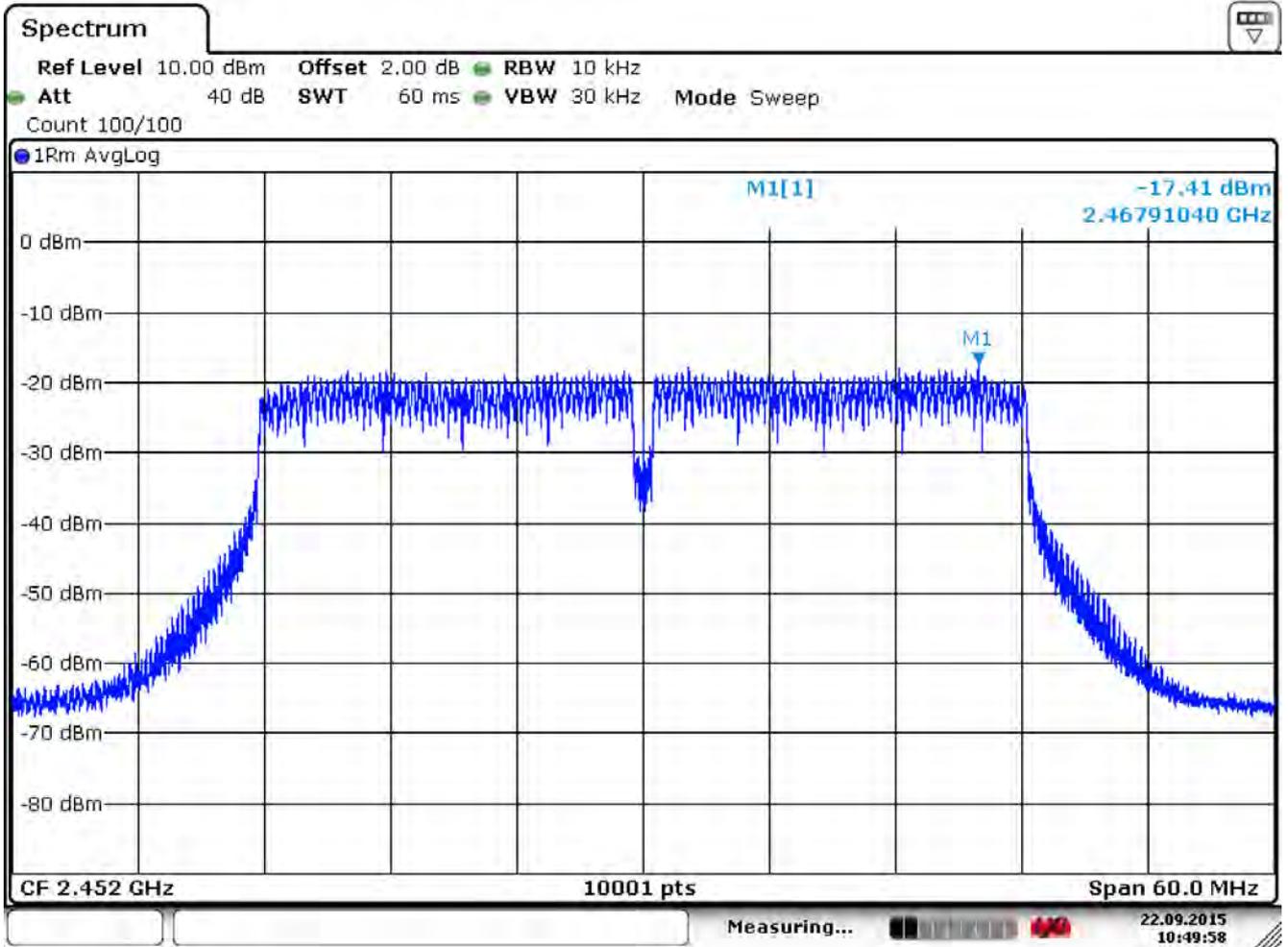
Date: 22 SEP. 2015 10:25:28

Channel 6



Date: 22 SEP. 2015 10:29:21

Channel 9



Date: 22 SEP. 2015 10:49:58

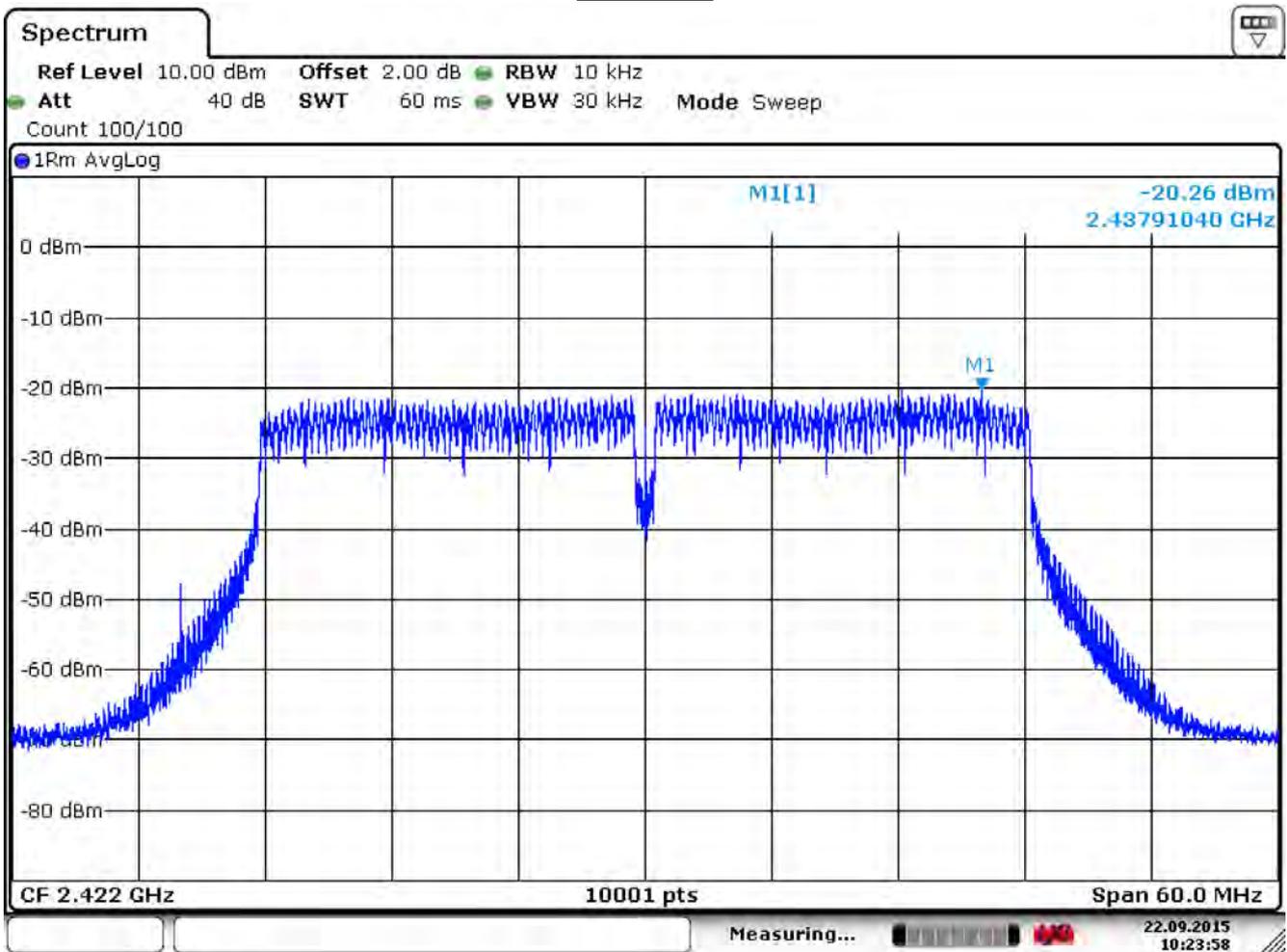
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n 40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-20.26	≤ 7.43	Pass
6	2437	-15.62	≤ 7.43	Pass
9	2452	-16.98	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

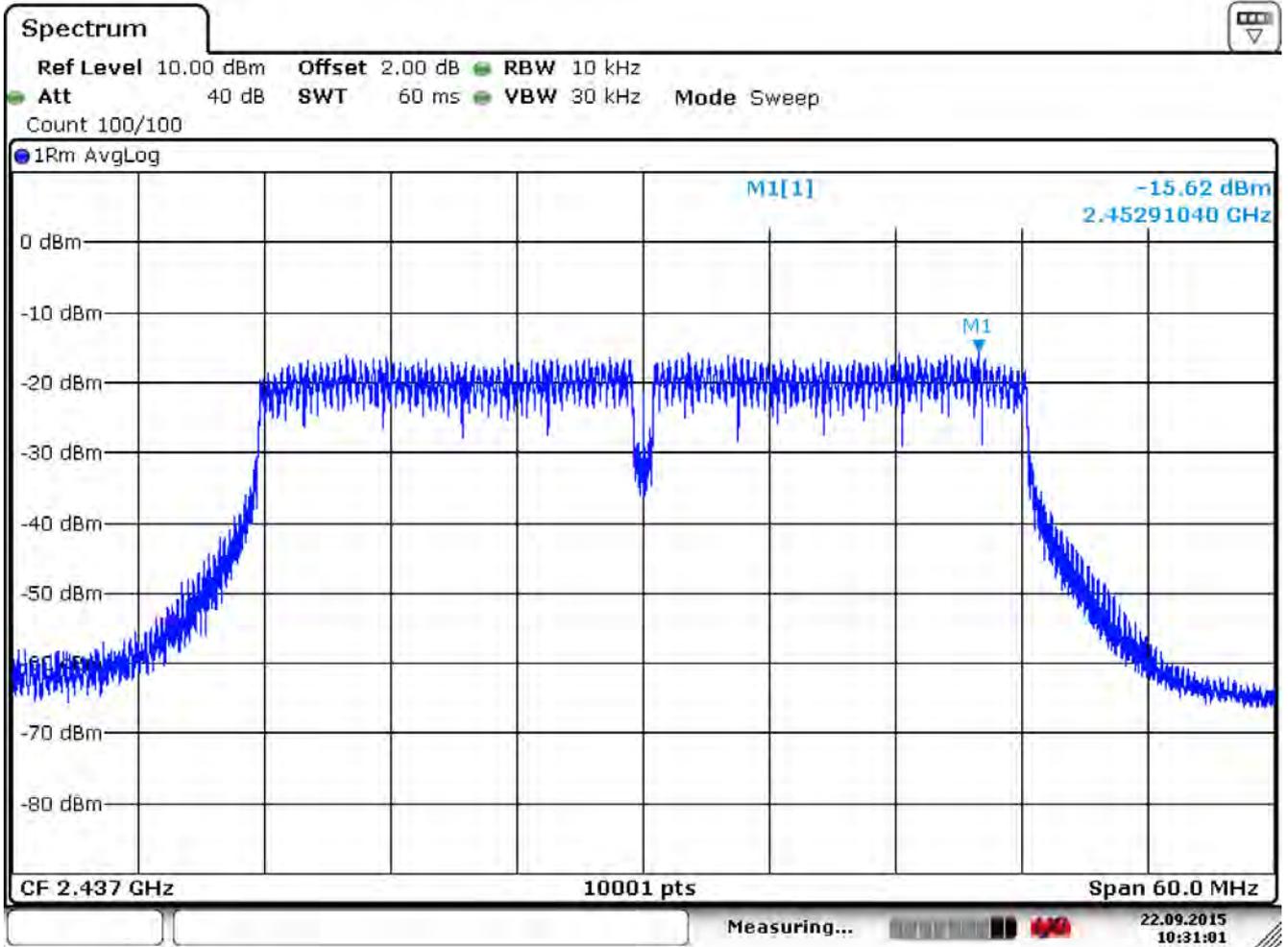
Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

Channel 3



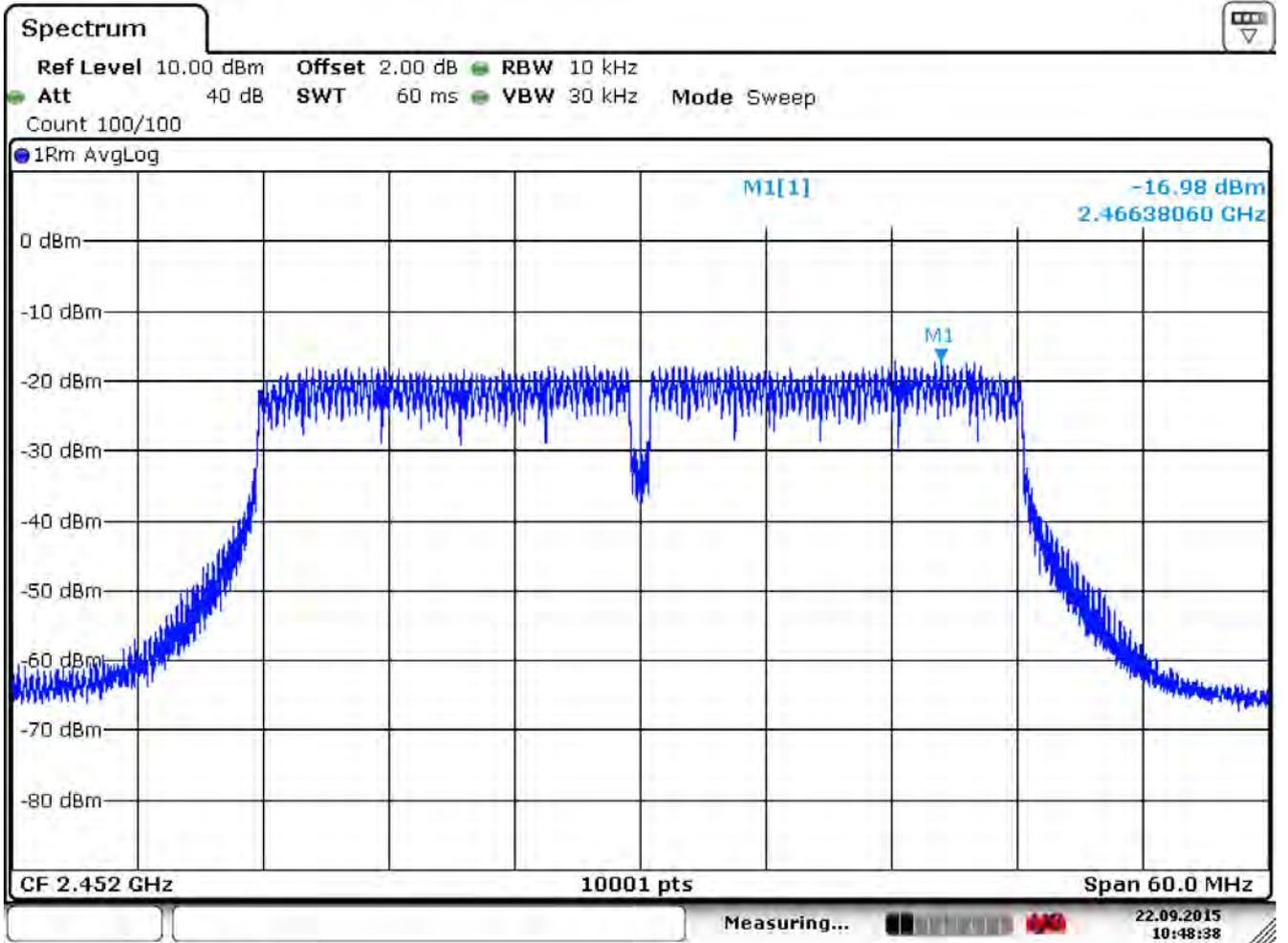
Date: 22 SEP. 2015 10:23:59

Channel 6



Date: 22 SEP. 2015 10:31:02

Channel 9



Date: 22 SEP. 2015 10:48:38

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n 40MHz (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-15.82	≤ 7.43	Pass
6	2437	-11.20	≤ 7.43	Pass
9	2452	-12.41	≤ 7.43	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 3.57 = 6.57 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (6.57\text{dBi} - 6\text{dB}) = 7.43 \text{ dBm}$

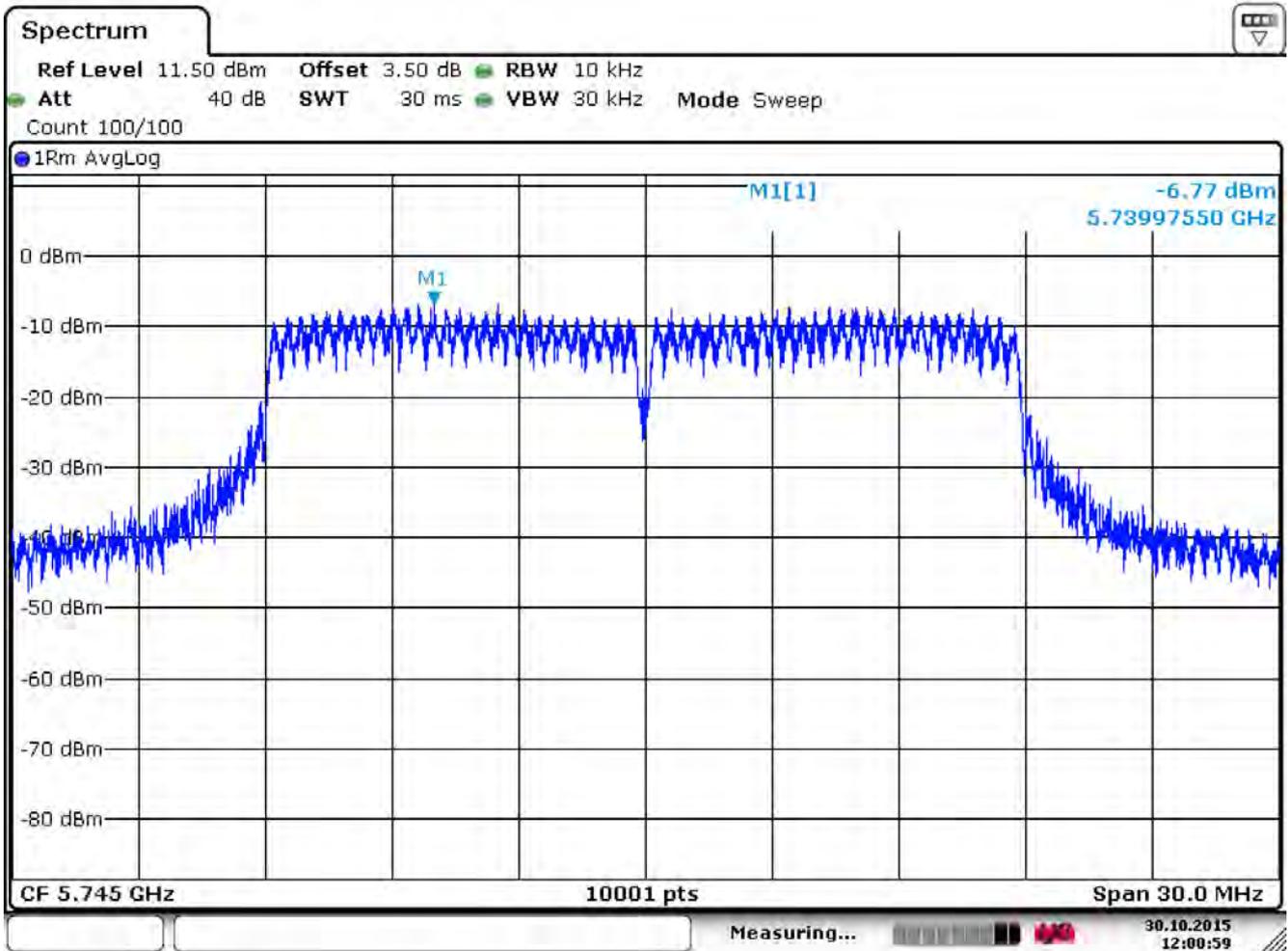
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-6.77	≤ 6.40	Pass
157	5785	-5.14	≤ 6.40	Pass
165	5825	-5.56	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

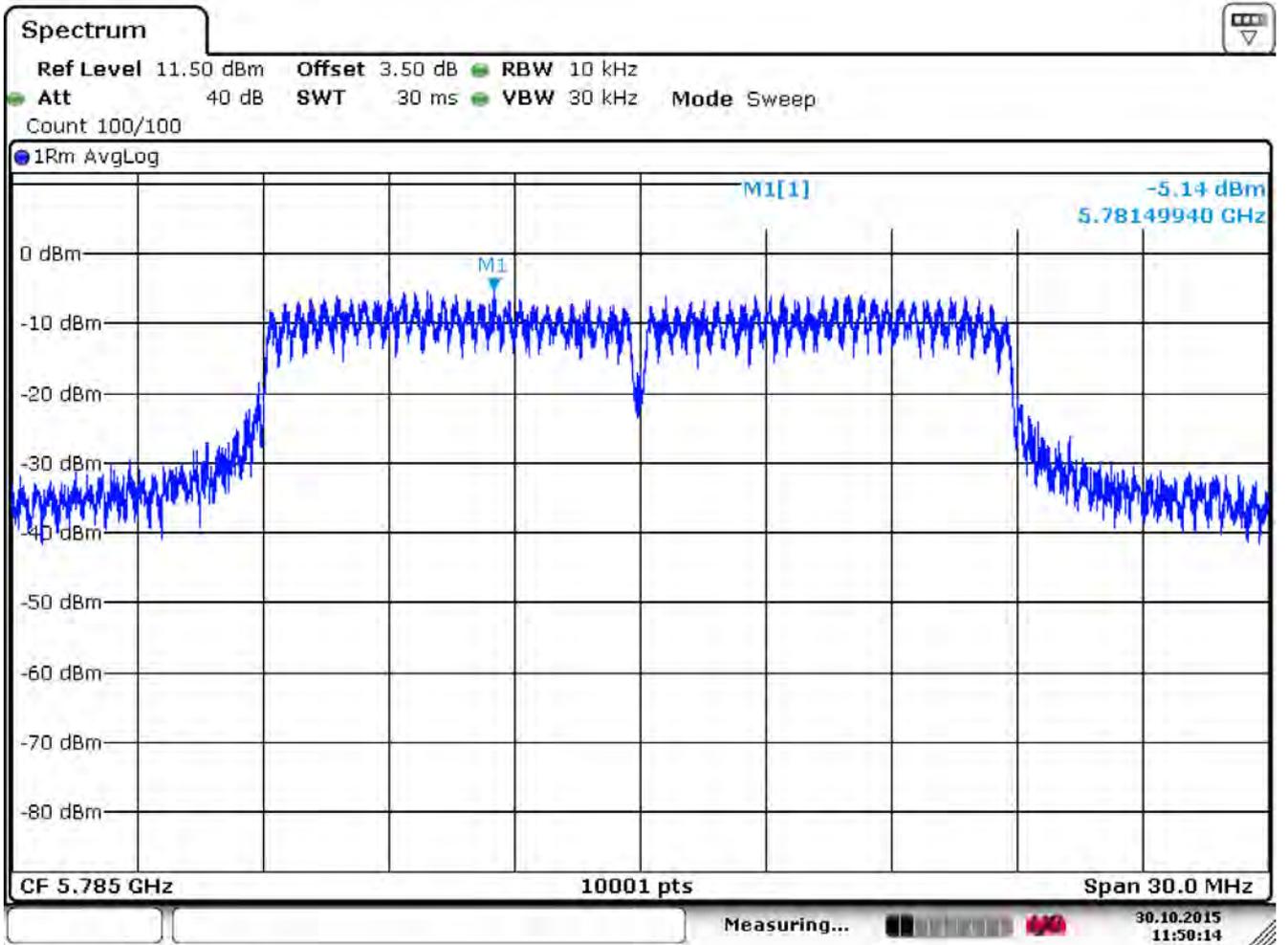
Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 149



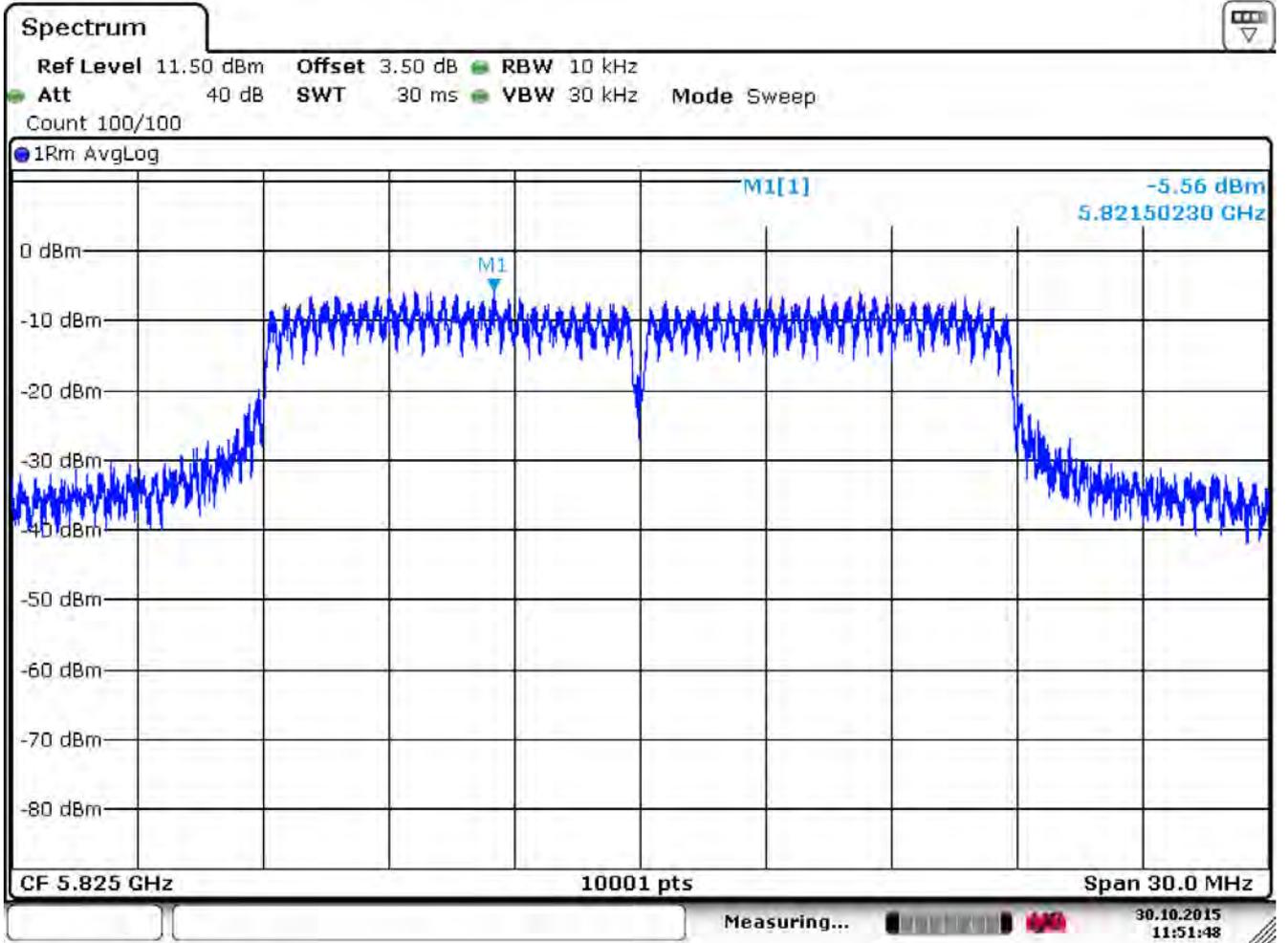
Date: 30.OCT.2015 12:00:59

Channel 157



Date: 30.OCT.2015 11:50:14

Channel 165



Date: 30.OCT.2015 11:51:48

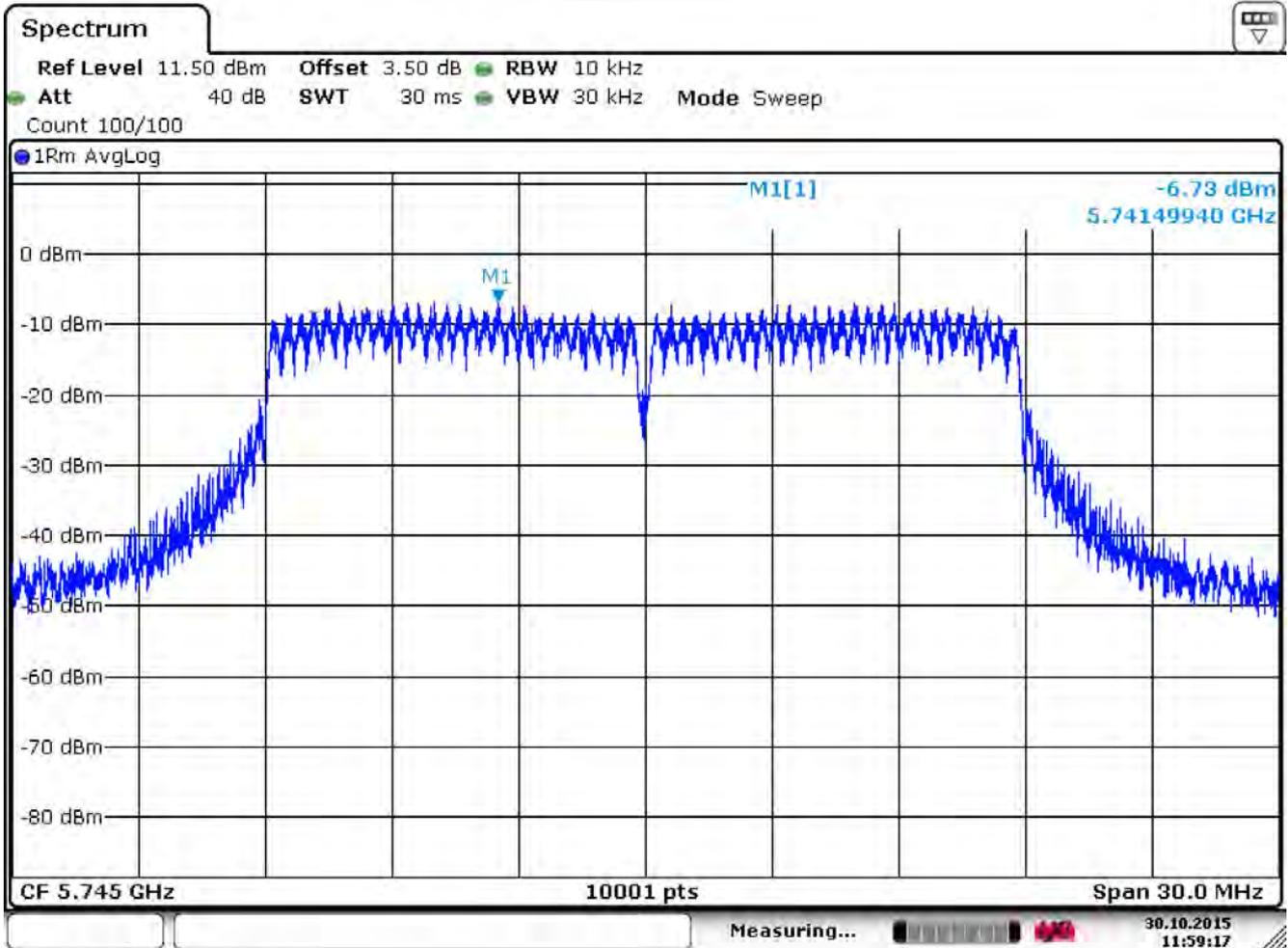
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-6.73	≤ 6.40	Pass
157	5785	-5.36	≤ 6.40	Pass
165	5825	-5.36	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

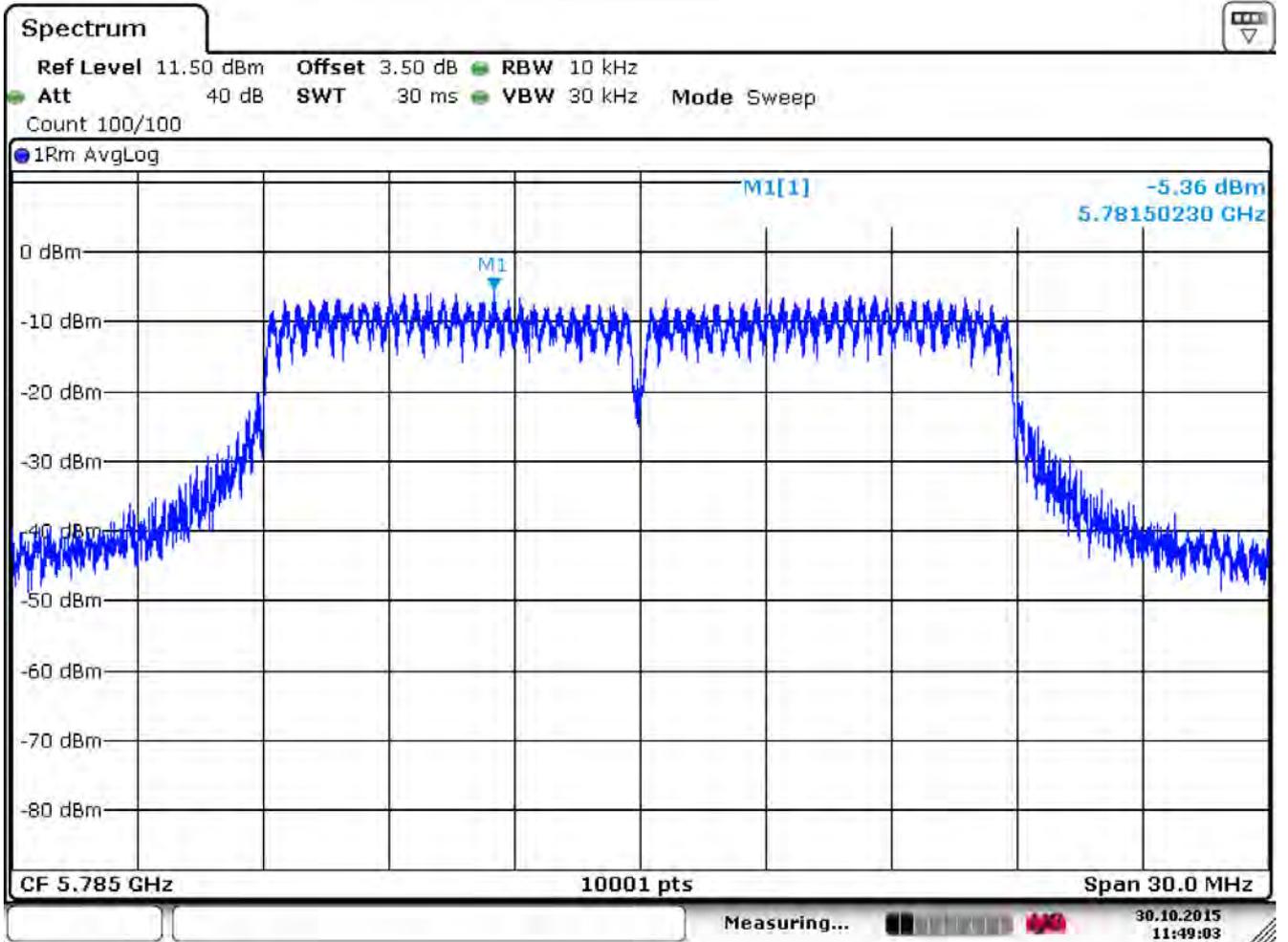
Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 149



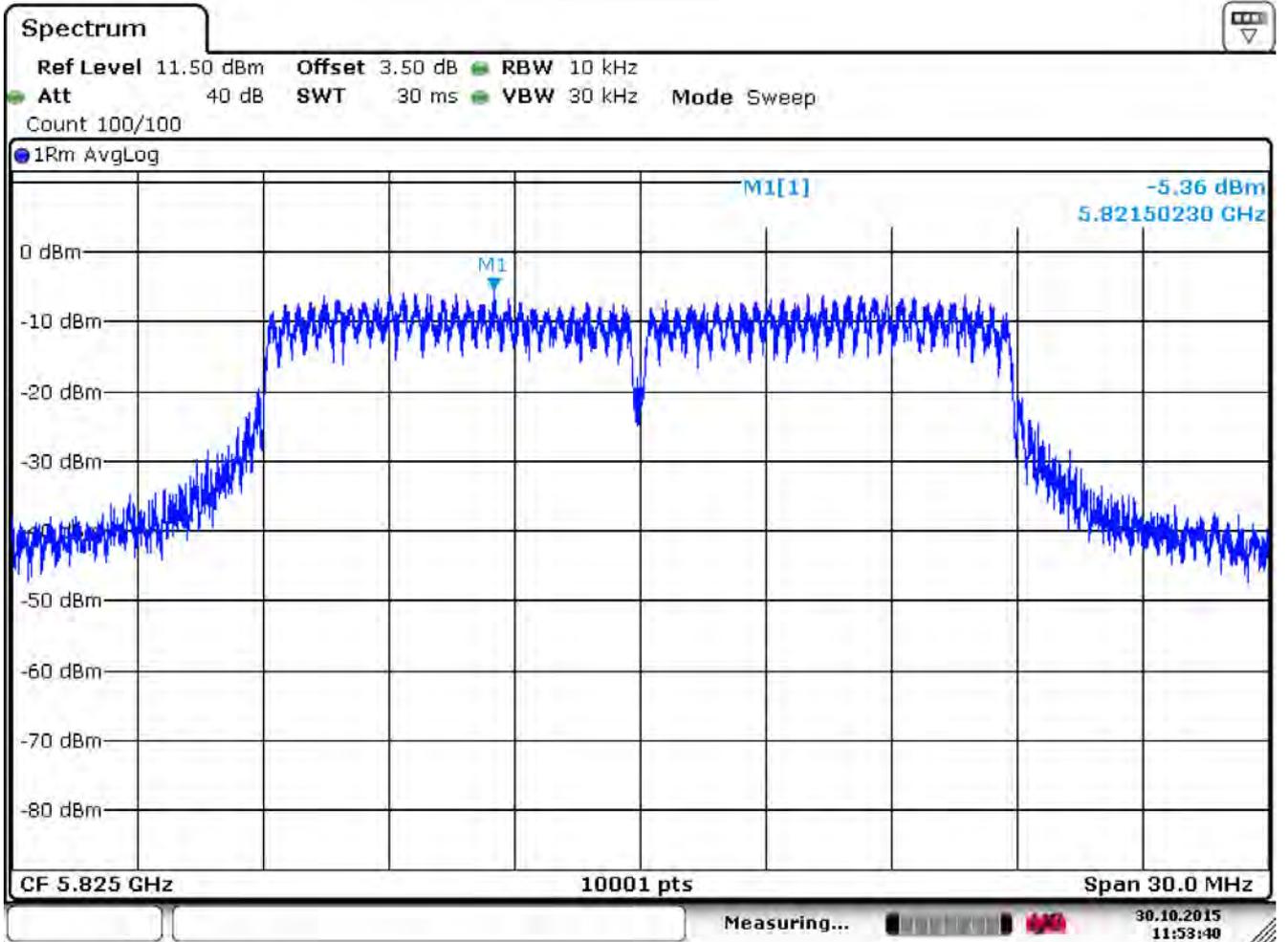
Date: 30.OCT.2015 11:59:17

Channel 157



Date: 30.OCT.2015 11:49:04

Channel 165



Date: 30.OCT.2015 11:53:40

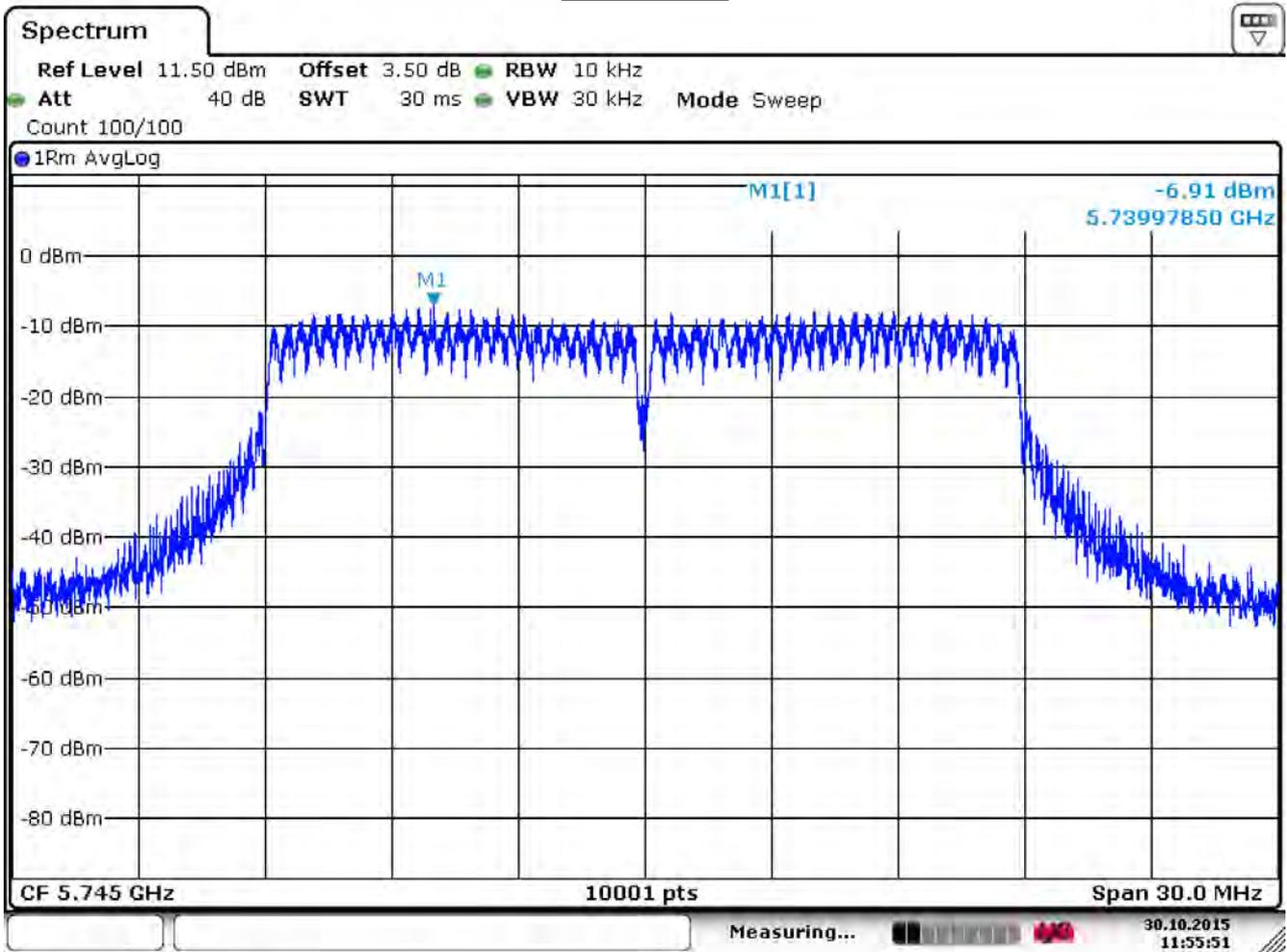
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-6.91	≤ 6.40	Pass
157	5785	-5.96	≤ 6.40	Pass
165	5825	-5.55	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

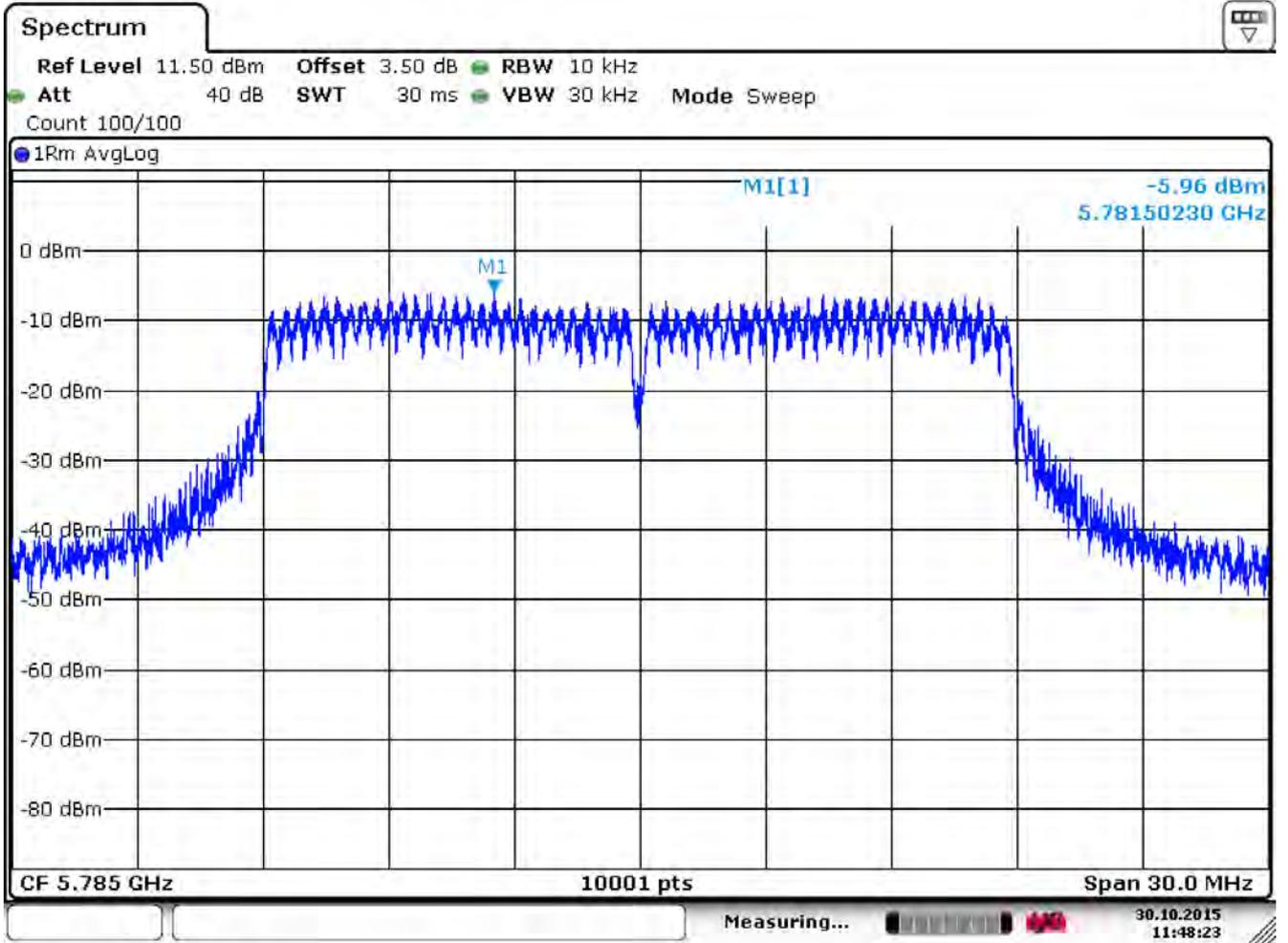
Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 149



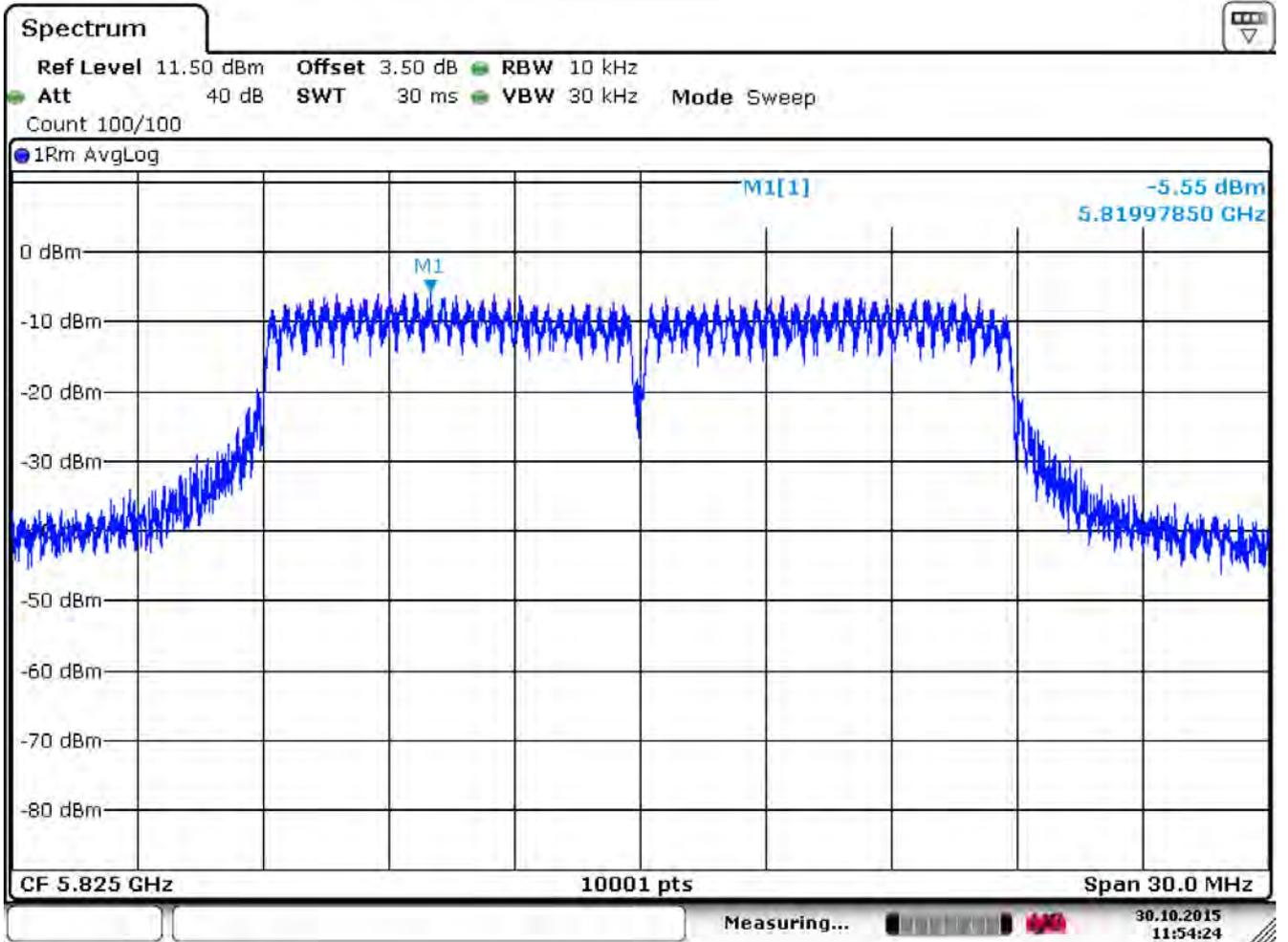
Date: 30.OCT.2015 11:55:51

Channel 157



Date: 30.OCT.2015 11:48:22

Channel 165



Date: 30.OCT.2015 11:54:24

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-2.03	≤ 6.40	Pass
157	5785	-0.70	≤ 6.40	Pass
165	5825	-0.72	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

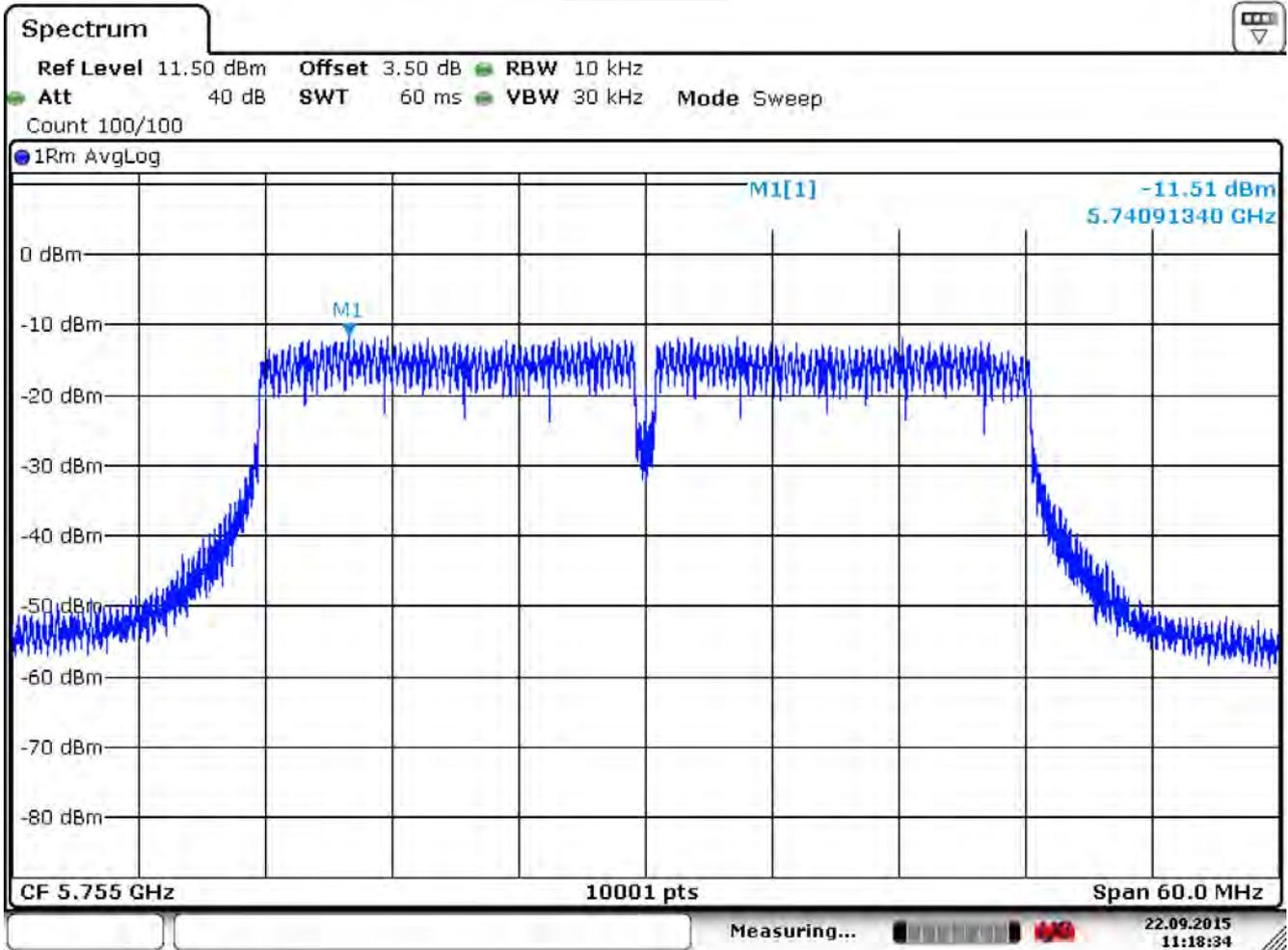
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-11.51	≤ 6.40	Pass
159	5795	-9.59	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

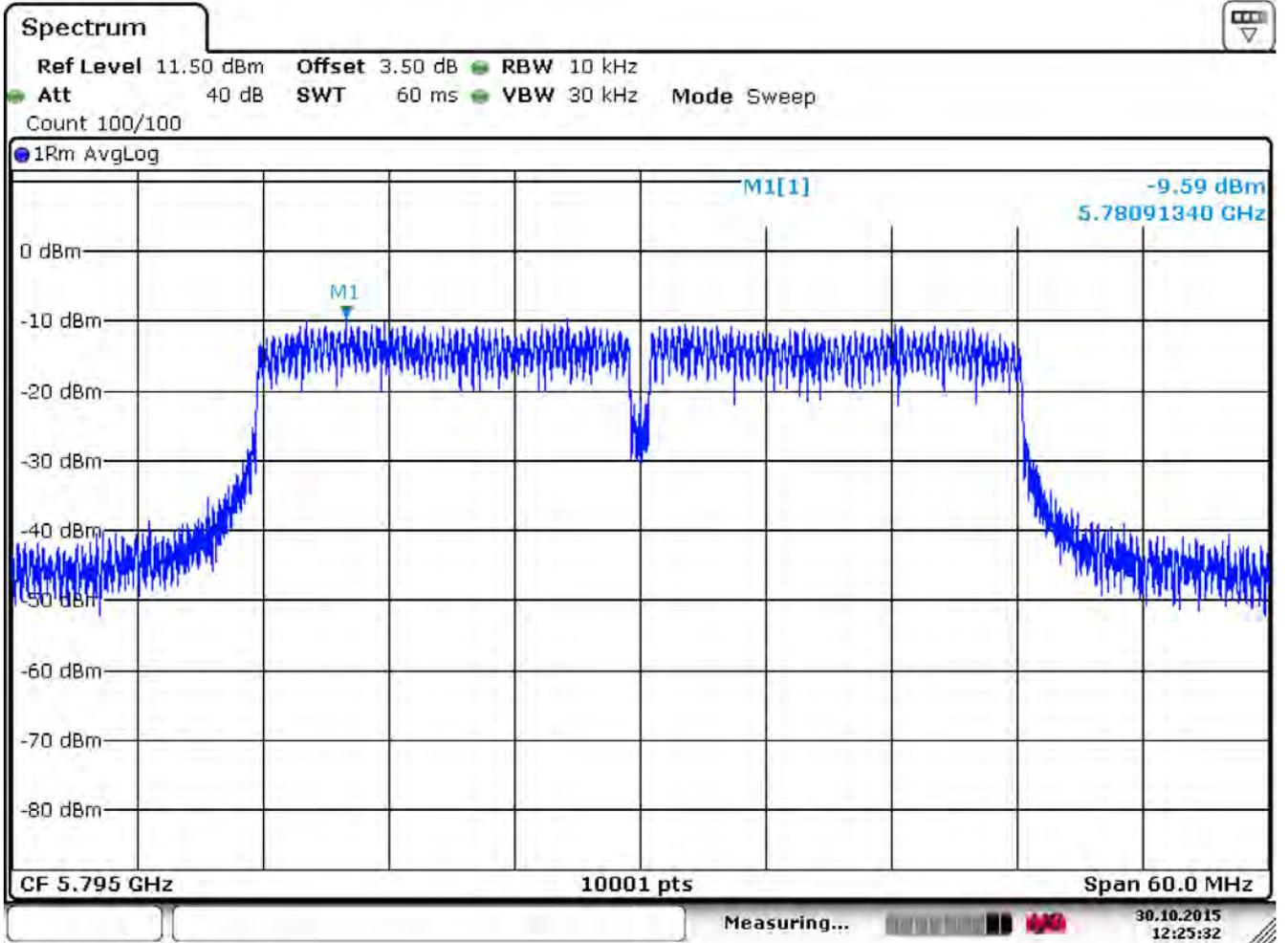
Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 151



Date: 22 SEP. 2015 11:18:34

Channel 159



Date: 30.OCT.2015 12:25:32

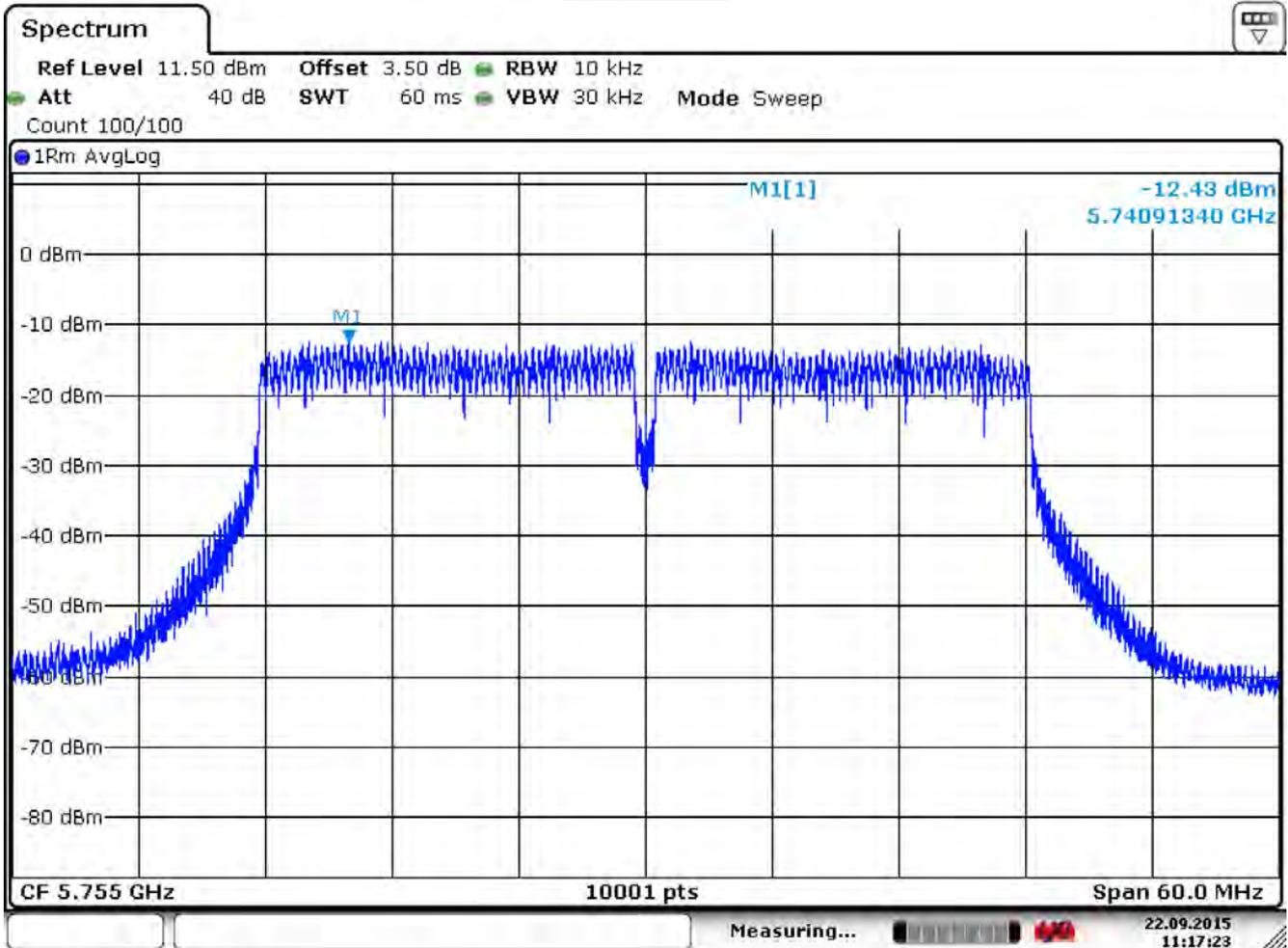
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-12.43	≤ 6.40	Pass
159	5795	-9.56	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

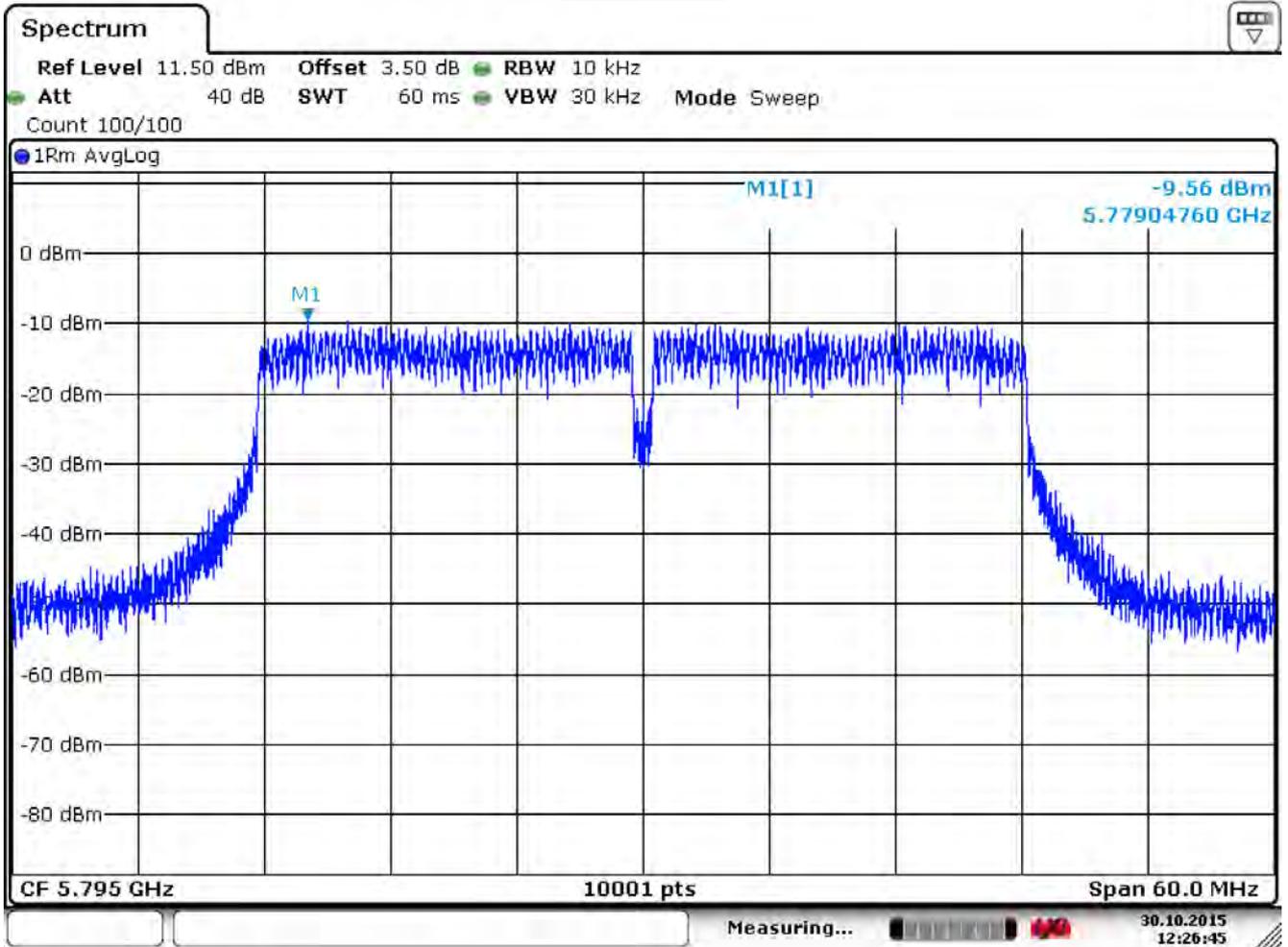
Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 151



Date: 22.SEP.2015 11:17:22

Channel 159



Date: 30.OCT.2015 12:26:44

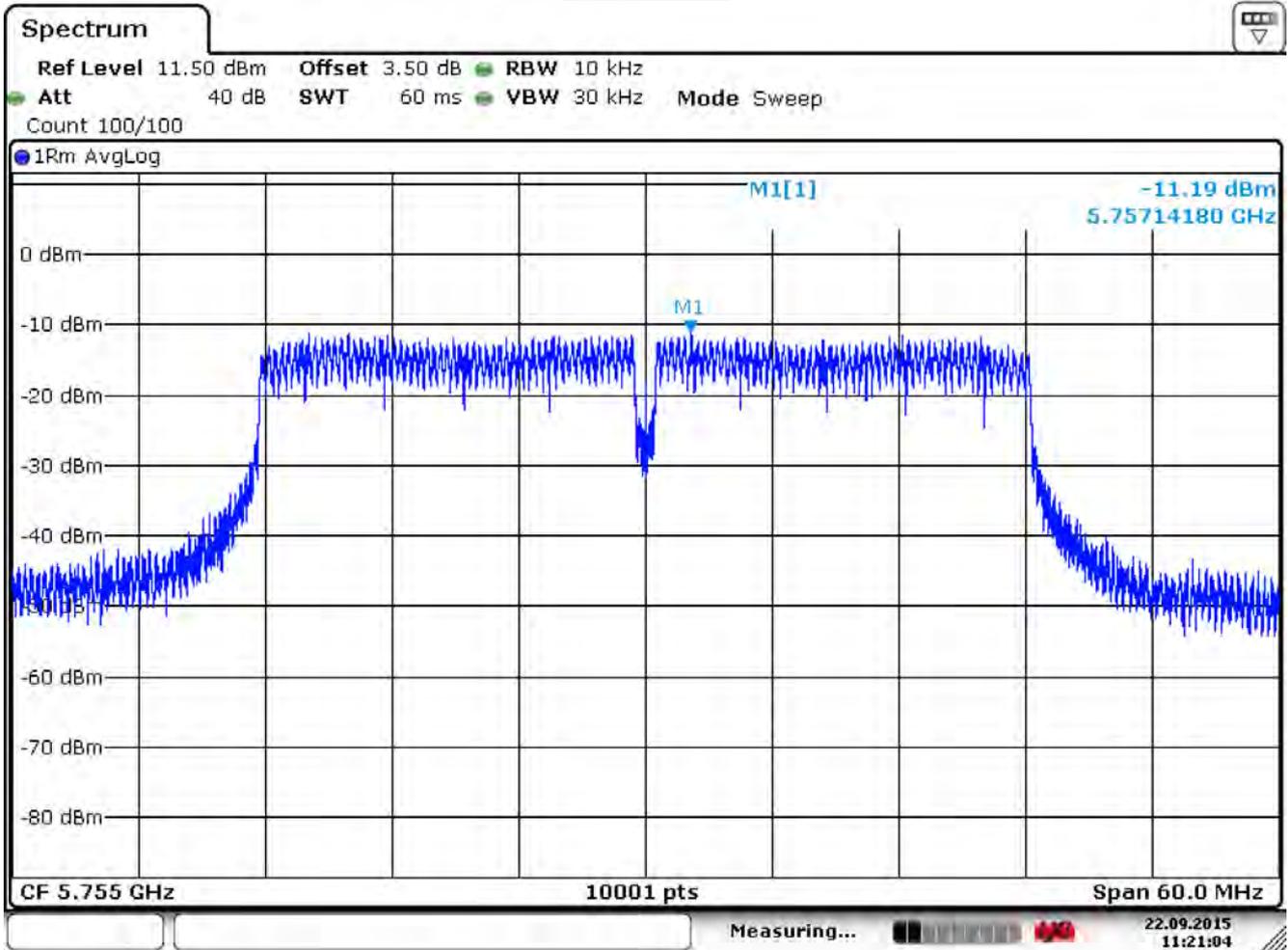
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-11.19	≤ 6.40	Pass
159	5795	-9.50	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

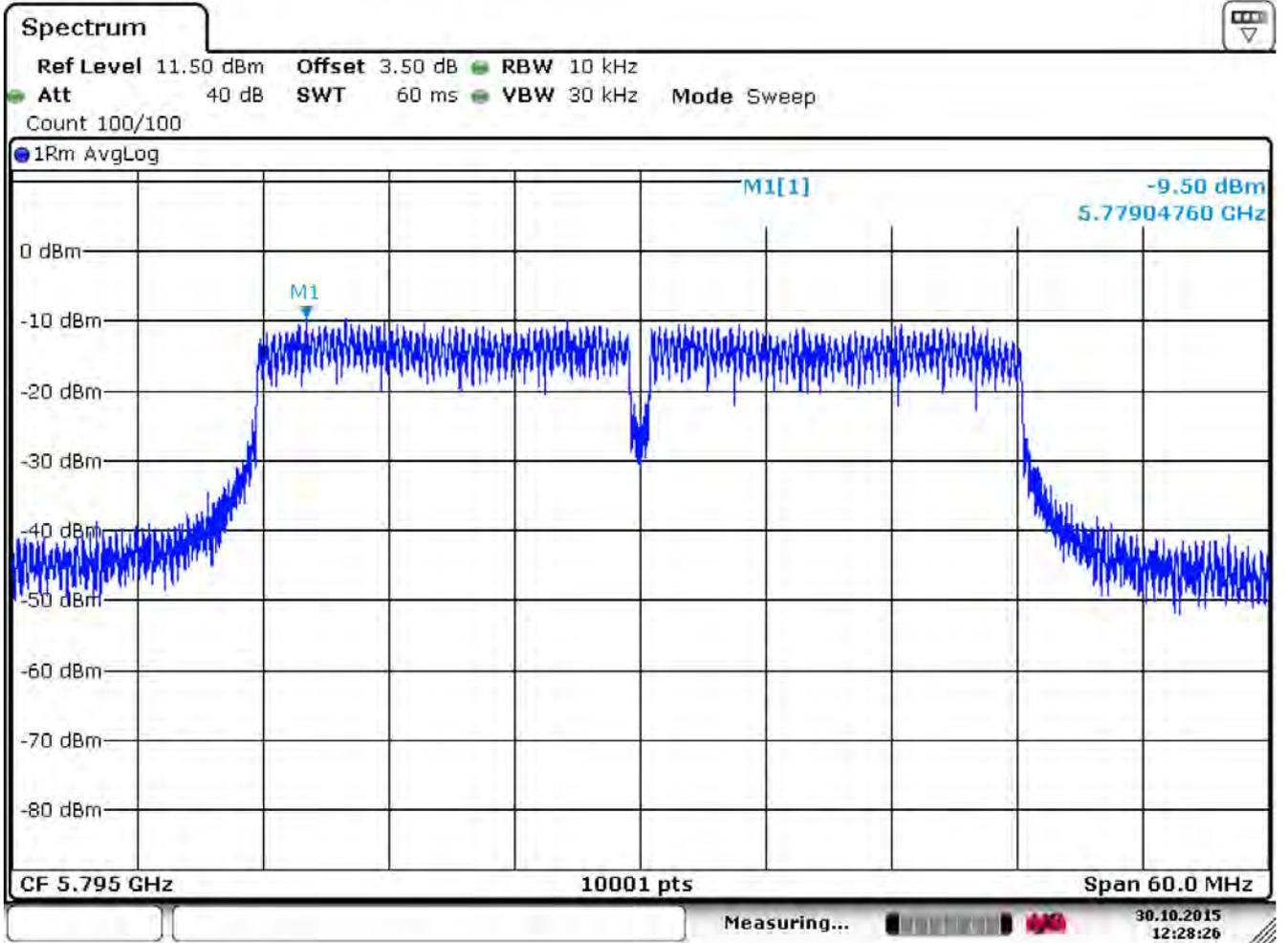
Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 151



Date: 22.SEP.2015 11:21:04

Channel 159



Date: 30.OCT.2015 12:28:26

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-6.91	≤ 6.40	Pass
159	5795	-4.78	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

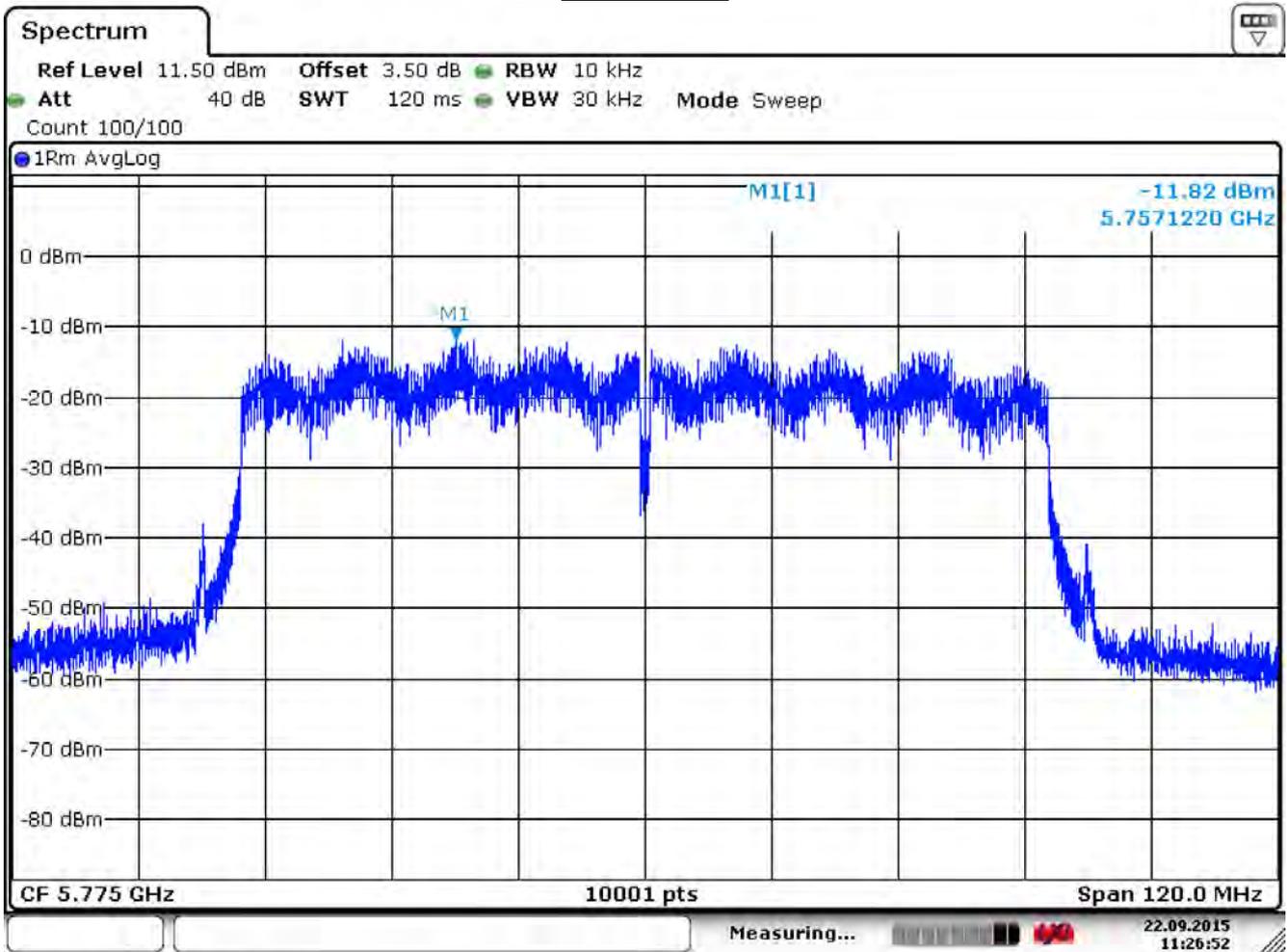
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-11.82	≤6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 155



Date: 22.SEP.2015 11:26:52

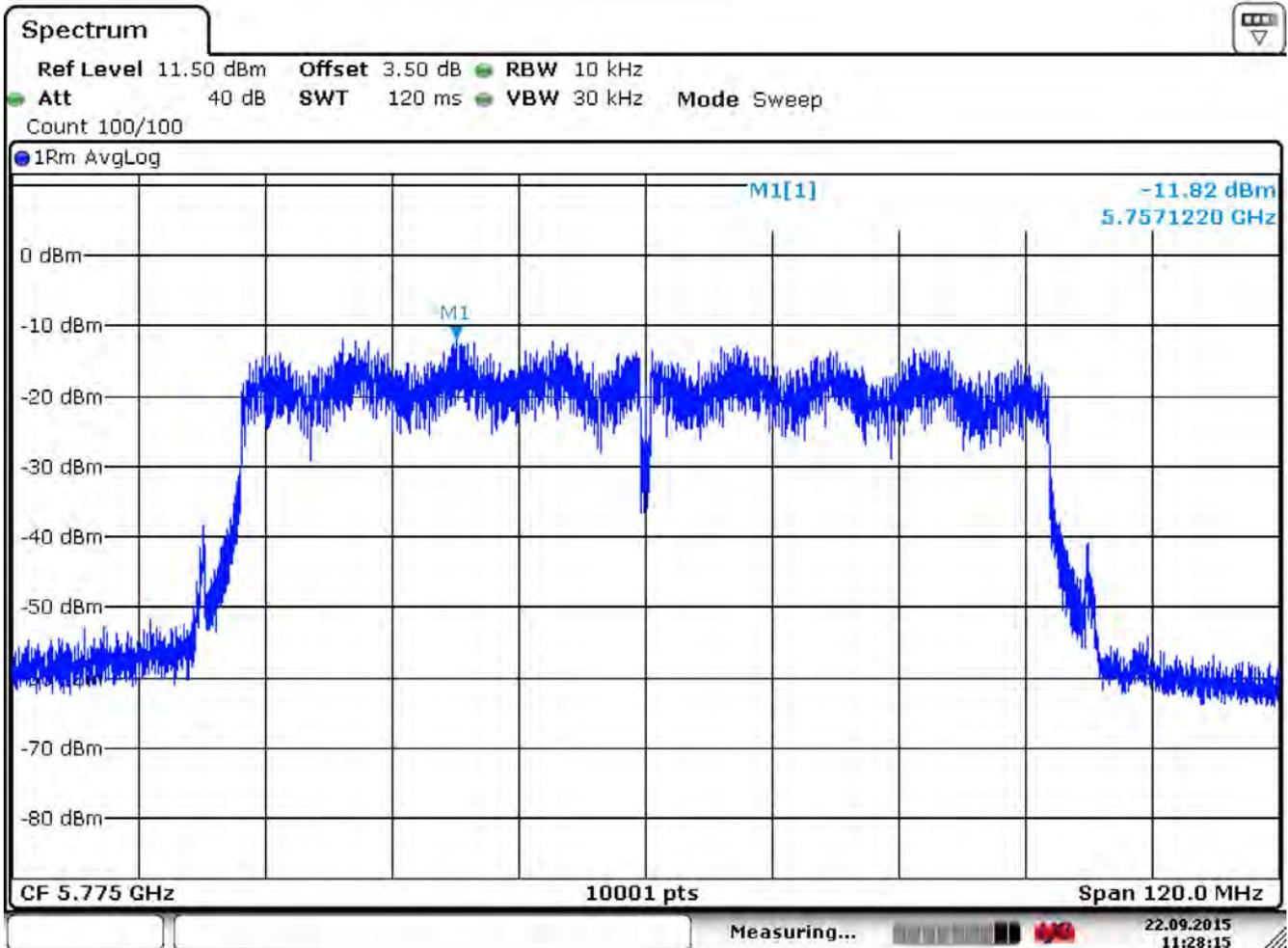
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-11.82	≤6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 155



Date: 22.SEP.2015 11:28:14

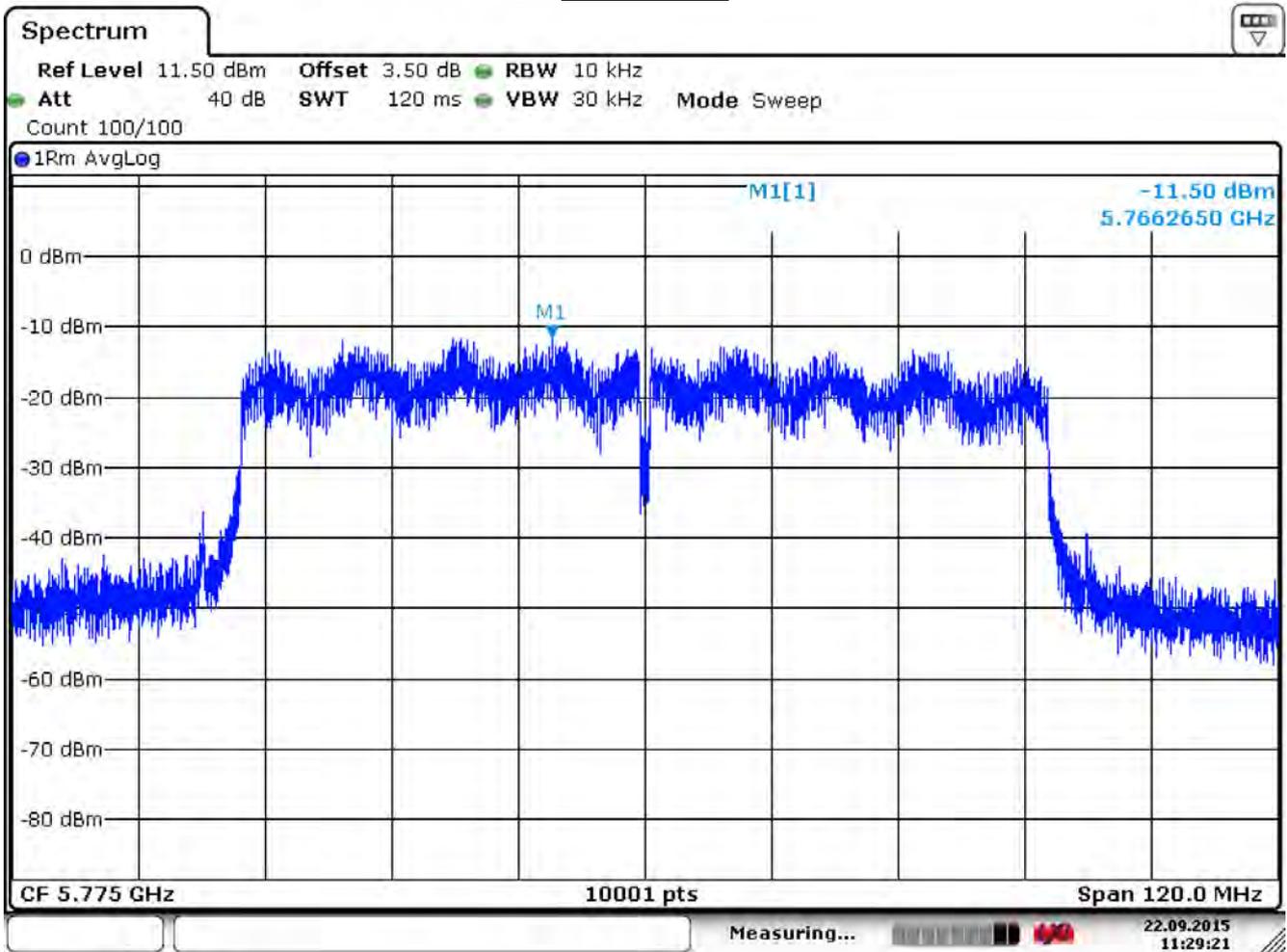
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-11.50	≤6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$

Channel 155



Date: 22.SEP.2015 11:29:21

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 2: Transmit_Beamforming Mode_AD890326		
Date of Test	2015/09/22	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-6.94	≤ 6.40	Pass

Directional Antenna: $10\log(\text{Ant N}) + \text{Max Gain} = 3 + 4.6 = 7.60 \text{ dBi}$

Power Density Limit: $8\text{dBm} - (7.60\text{dBi} - 6\text{dB}) = 6.40 \text{ dBm}$