

8. Occupied Bandwidth

8.1. Test Equipment

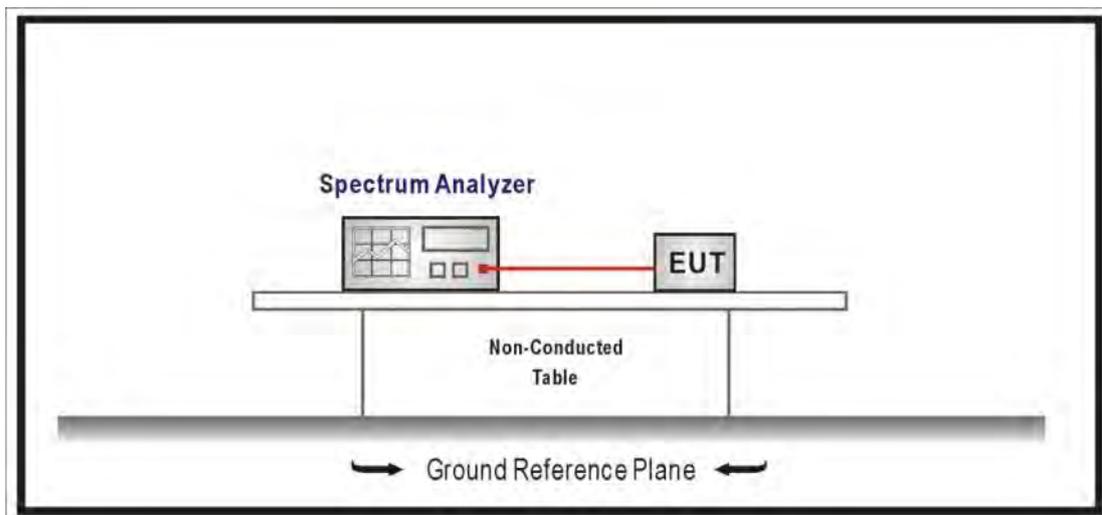
The following test equipments are used during the test:

Occupied Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/08/08

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: 2013; tested according to DTS test procedure of KDB558074 v03r05 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

N/A

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

8.6. Uncertainty

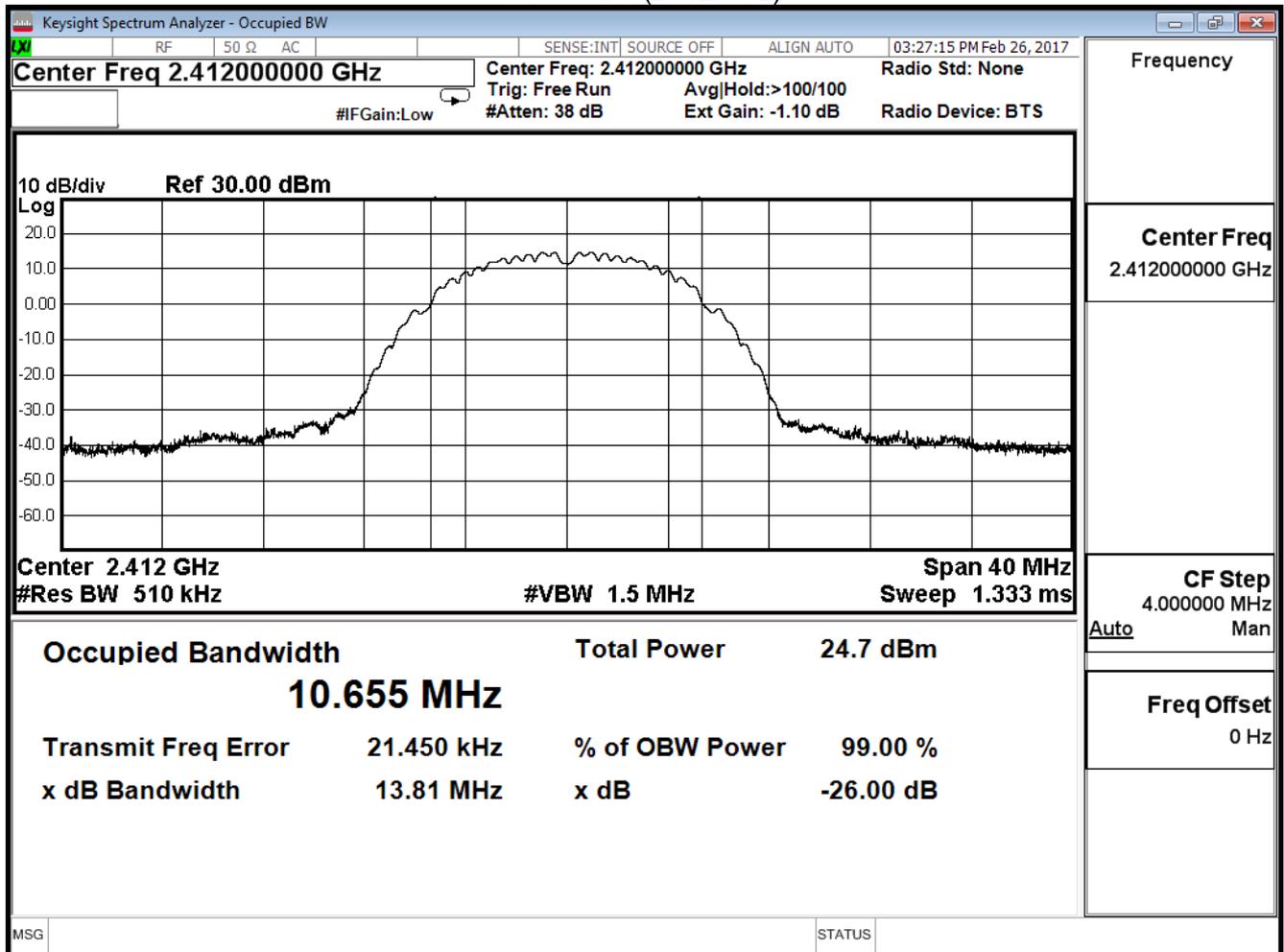
The measurement uncertainty is defined as $\pm 150\text{Hz}$

8.7. Test Result

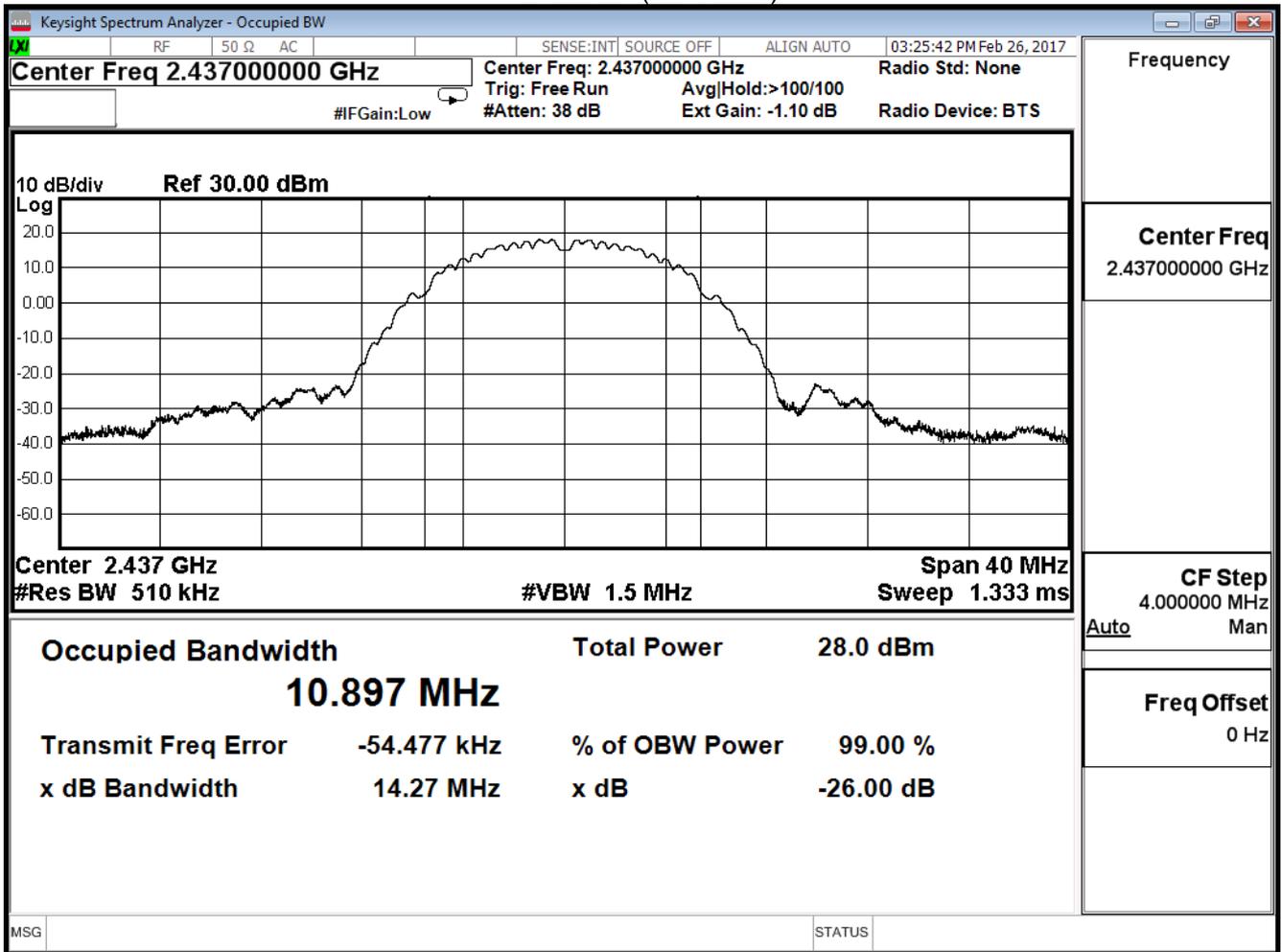
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)		
Date of Test	2017/02/26	Test Site	SR10-H

802.11 b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	10.655	--	Pass
6	2437	10.897	--	Pass
11	2462	10.653	--	Pass

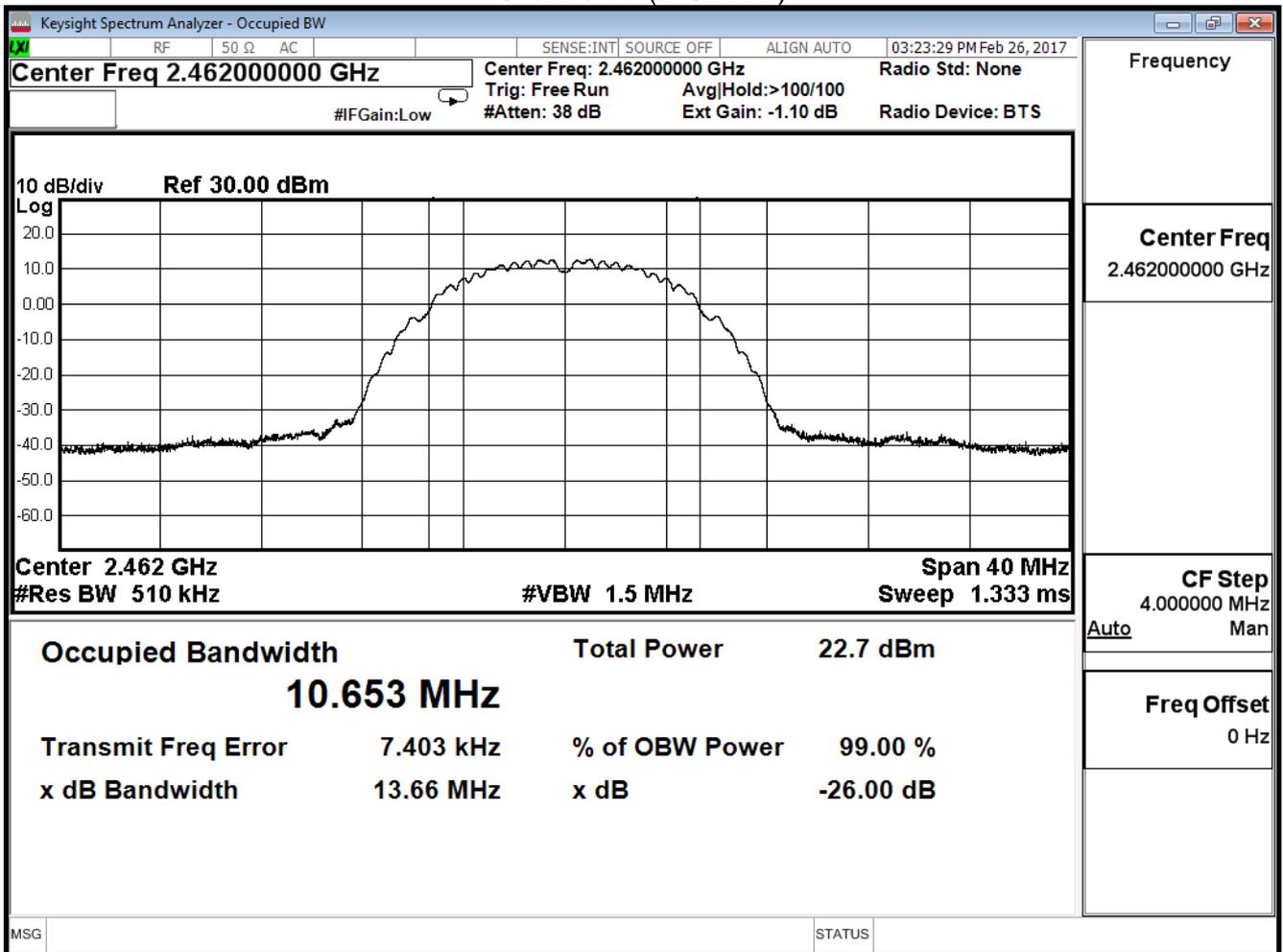
Channel 1 (2412MHz)



Channel 6 (2437MHz)



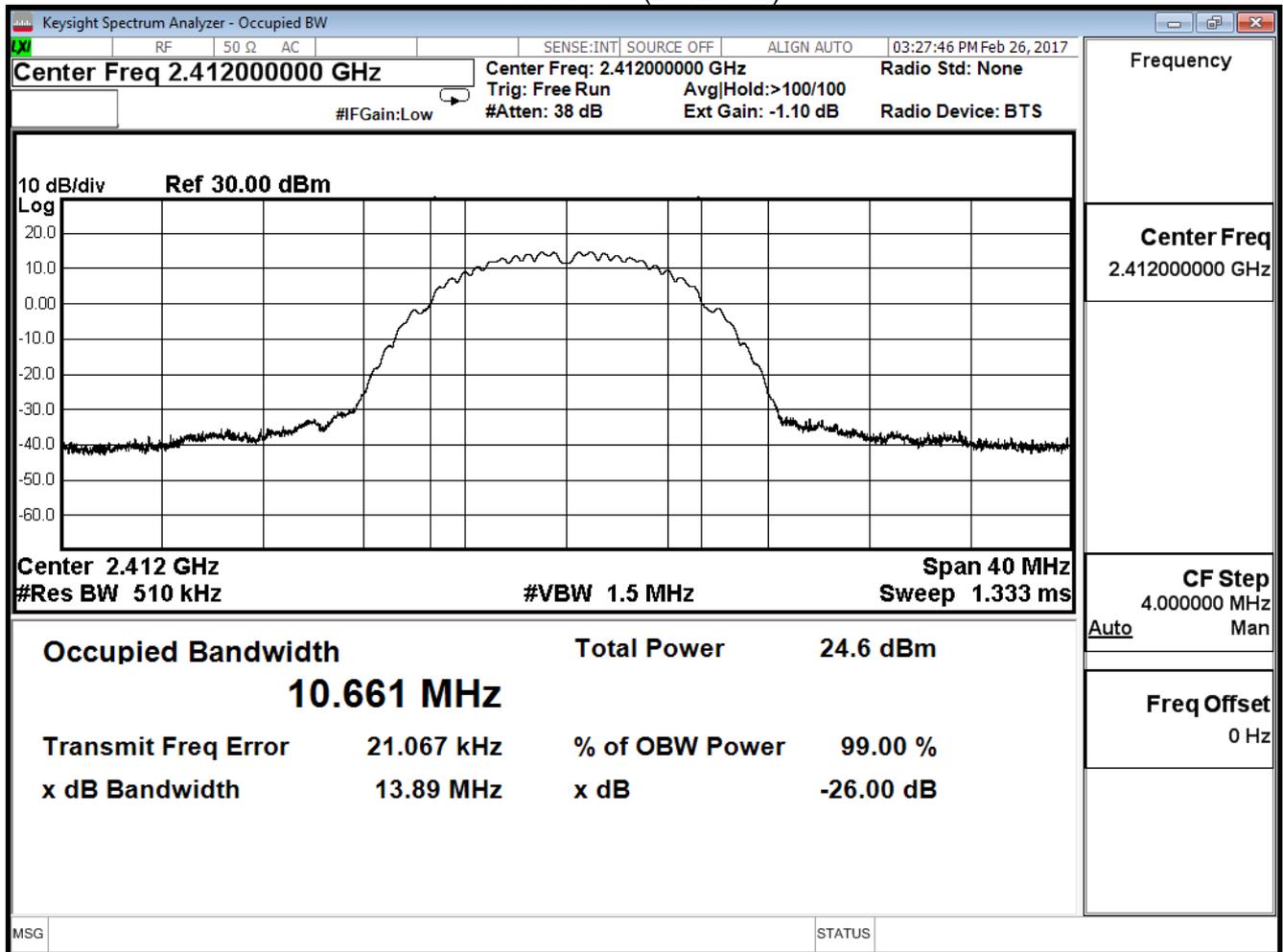
Channel 11 (2462MHz)



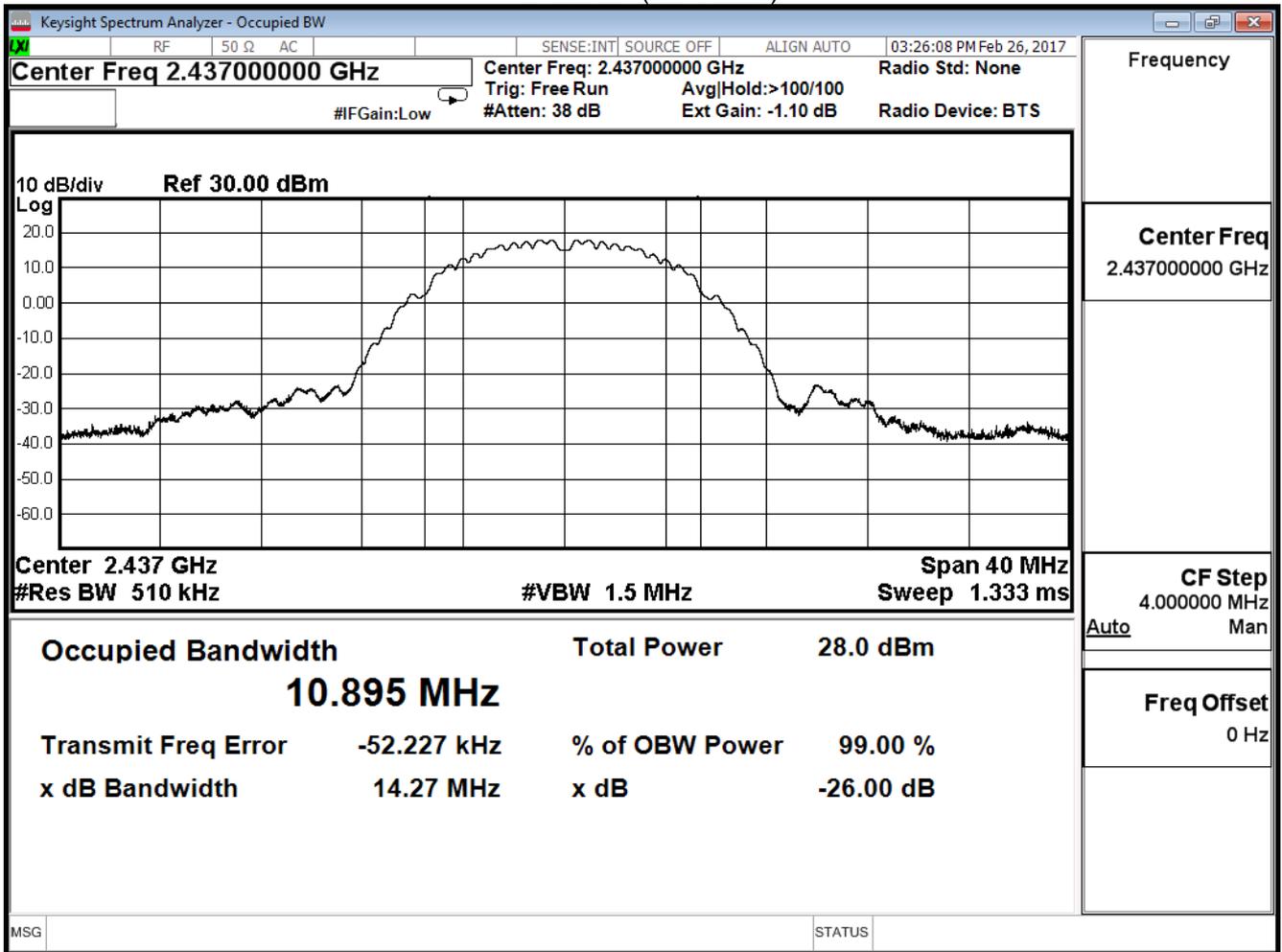
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)		
Date of Test	2017/02/26	Test Site	SR10-H

802.11 b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	10.661	--	Pass
6	2437	10.895	--	Pass
11	2462	10.647	--	Pass

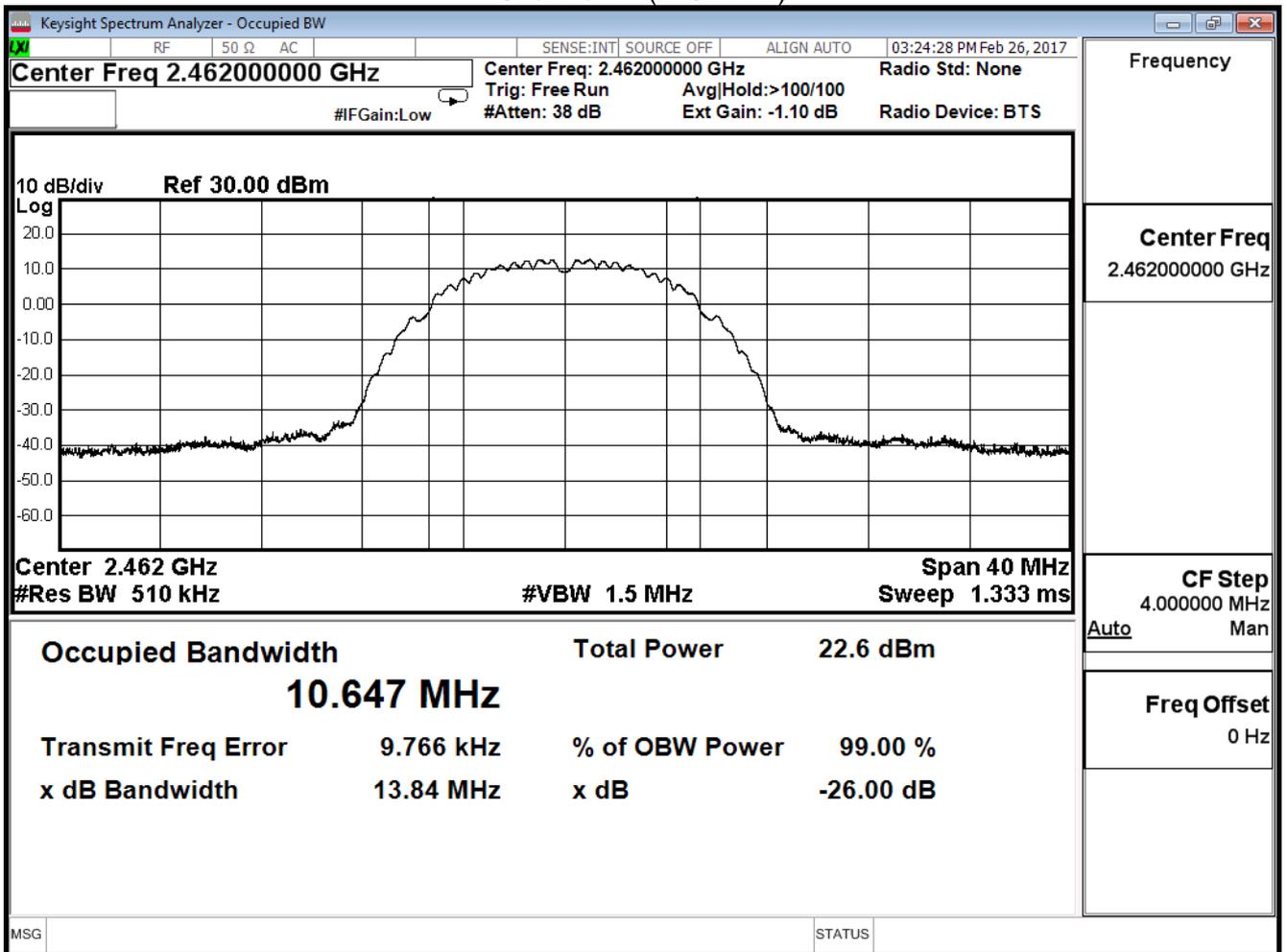
Channel 1 (2412MHz)



Channel 6 (2437MHz)



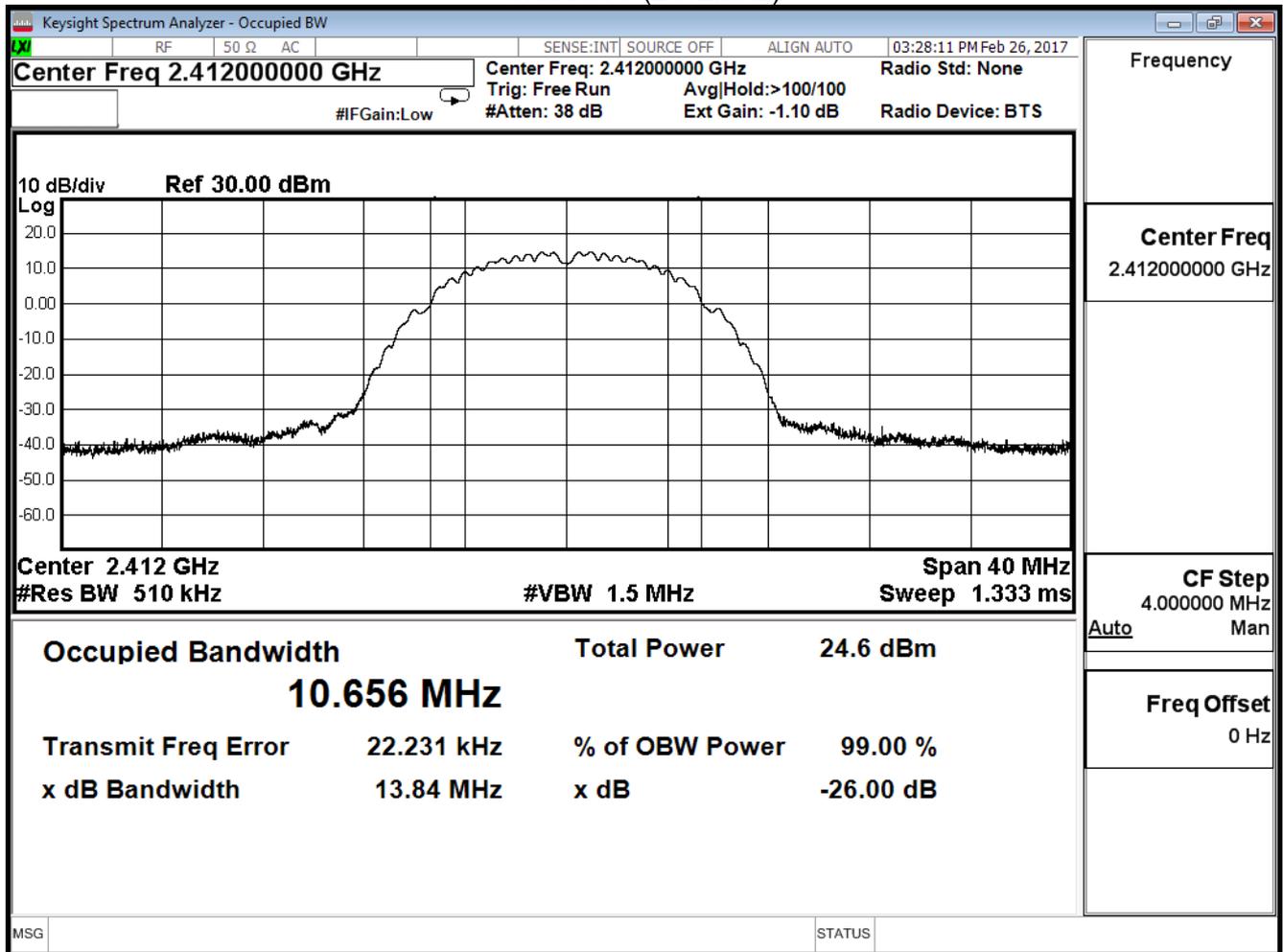
Channel 11 (2462MHz)



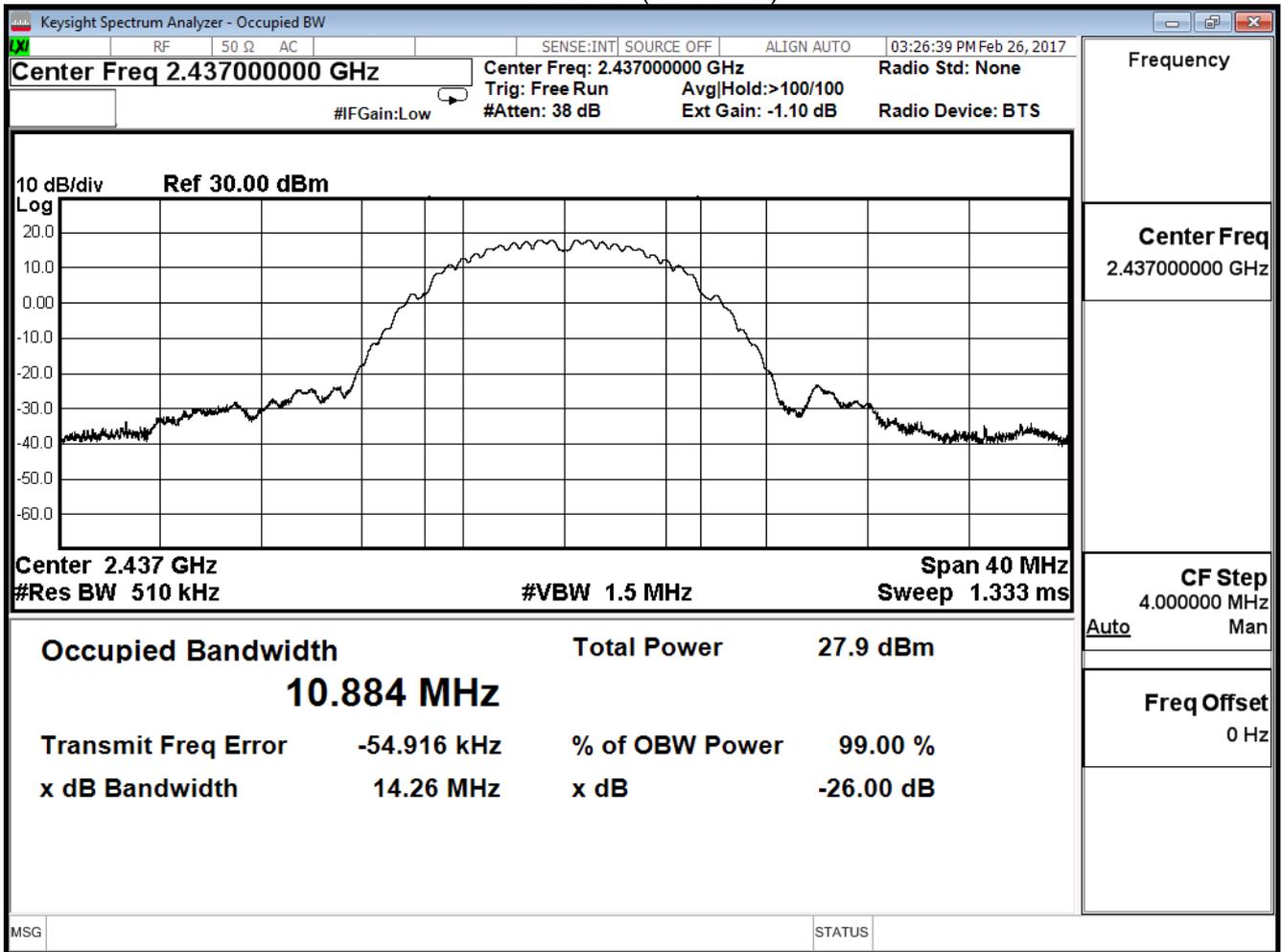
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)		
Date of Test	2017/02/26	Test Site	SR10-H

802.11 b (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	10.656	--	Pass
6	2437	10.884	--	Pass
11	2462	10.660	--	Pass

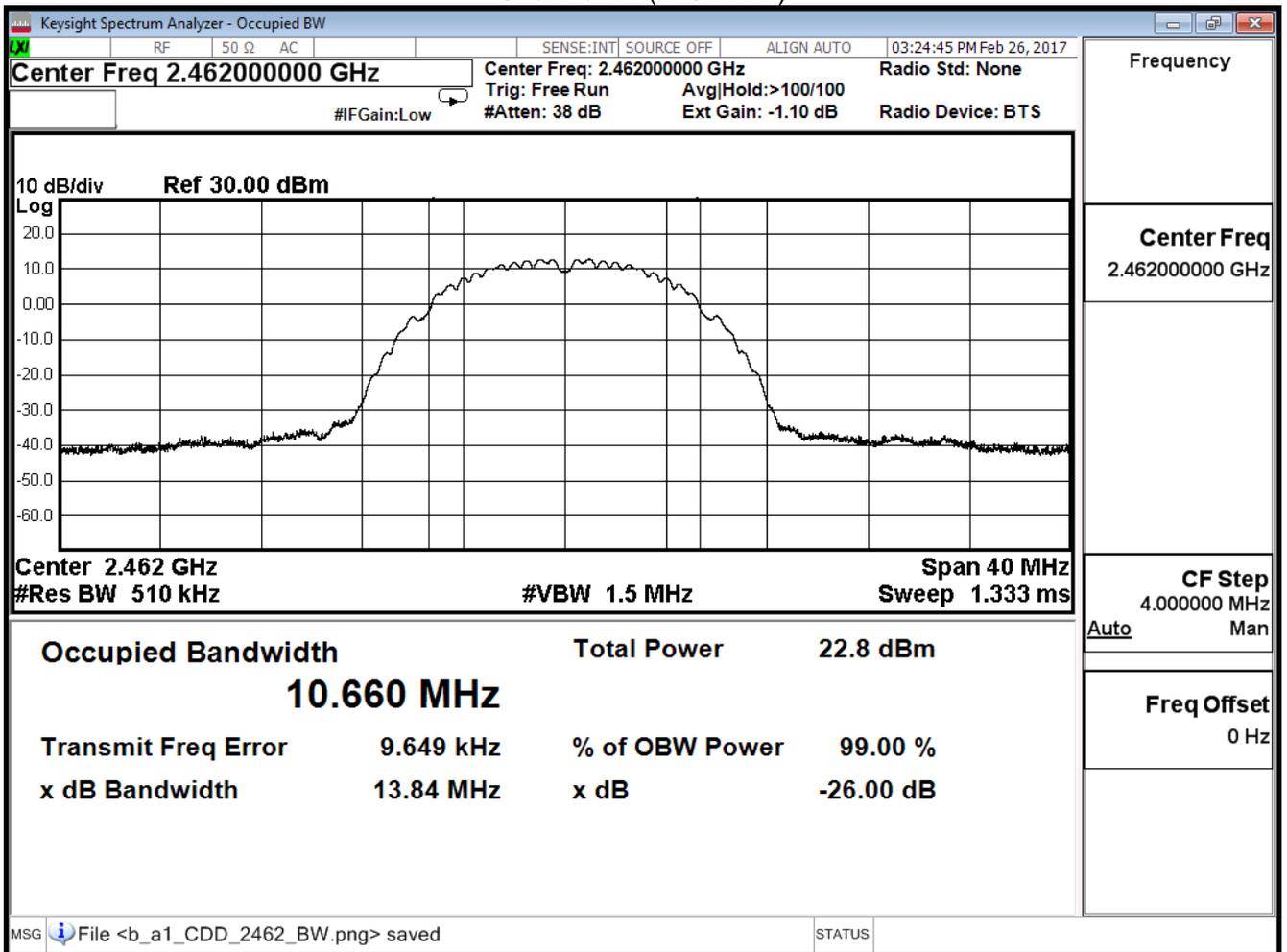
Channel 1 (2412MHz)



Channel 6 (2437MHz)



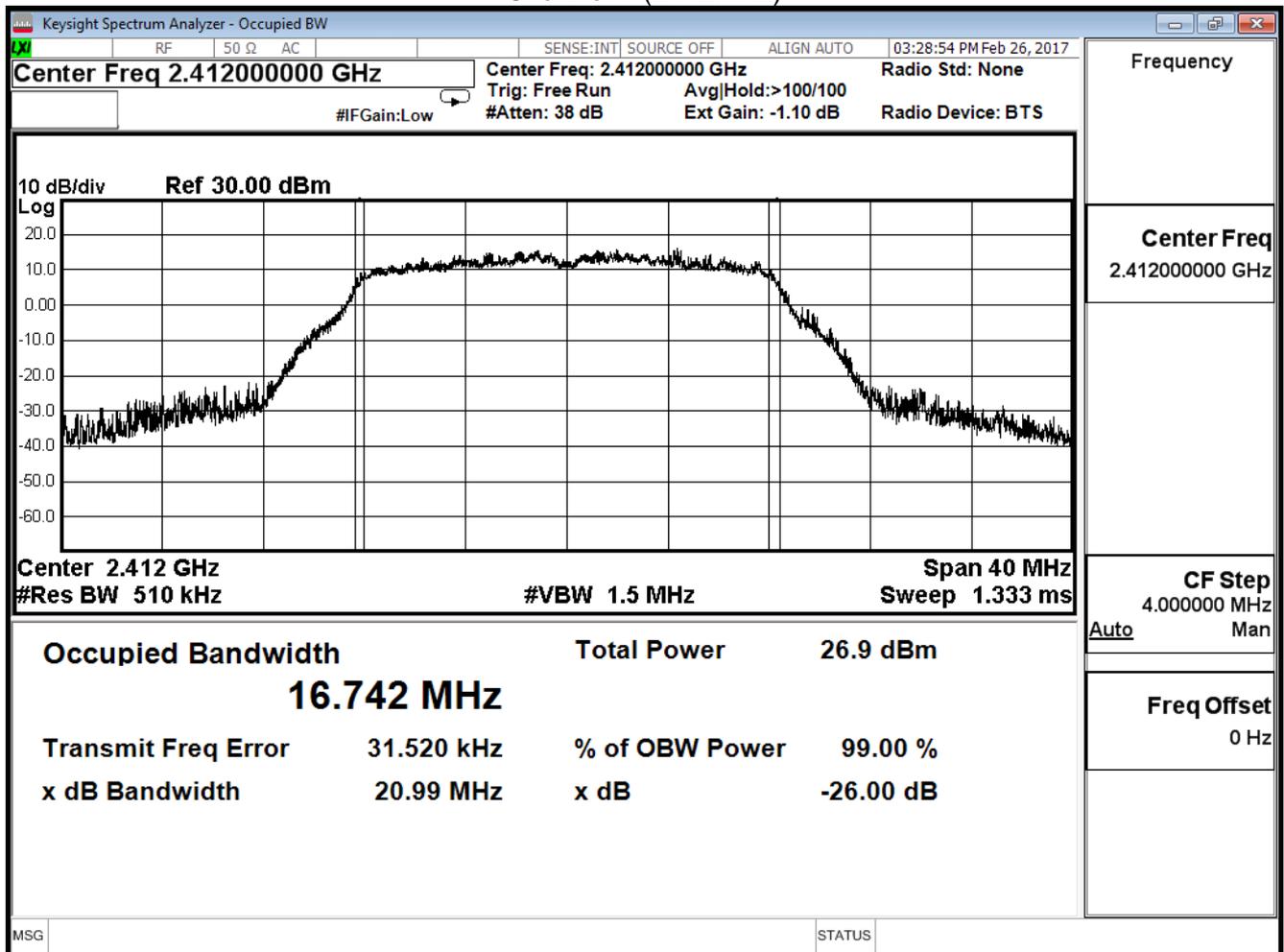
Channel 11 (2462MHz)



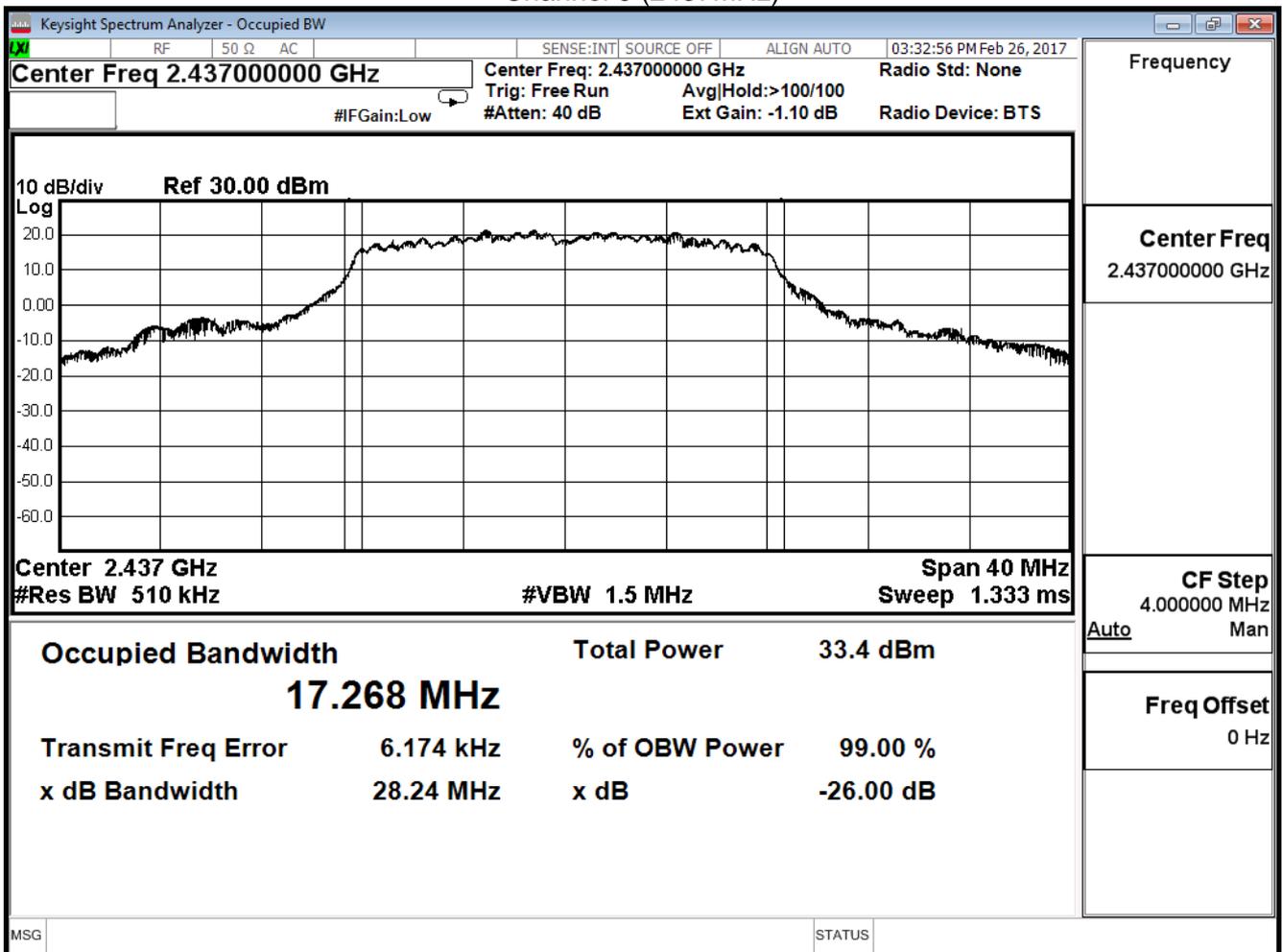
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)		
Date of Test	2017/02/26	Test Site	SR10-H

802.11 g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	16.742	--	Pass
6	2437	17.268	--	Pass
11	2462	16.852	--	Pass

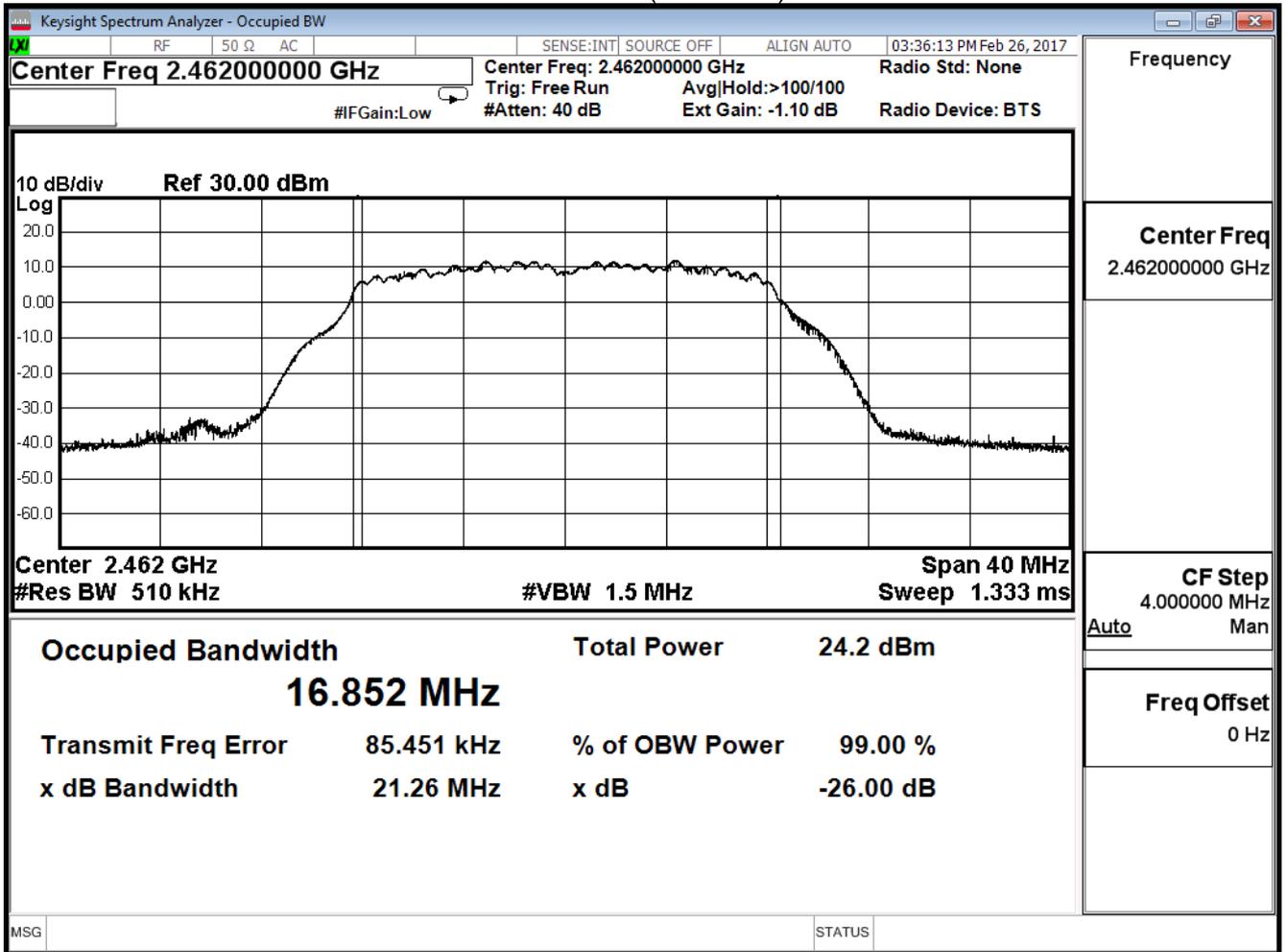
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

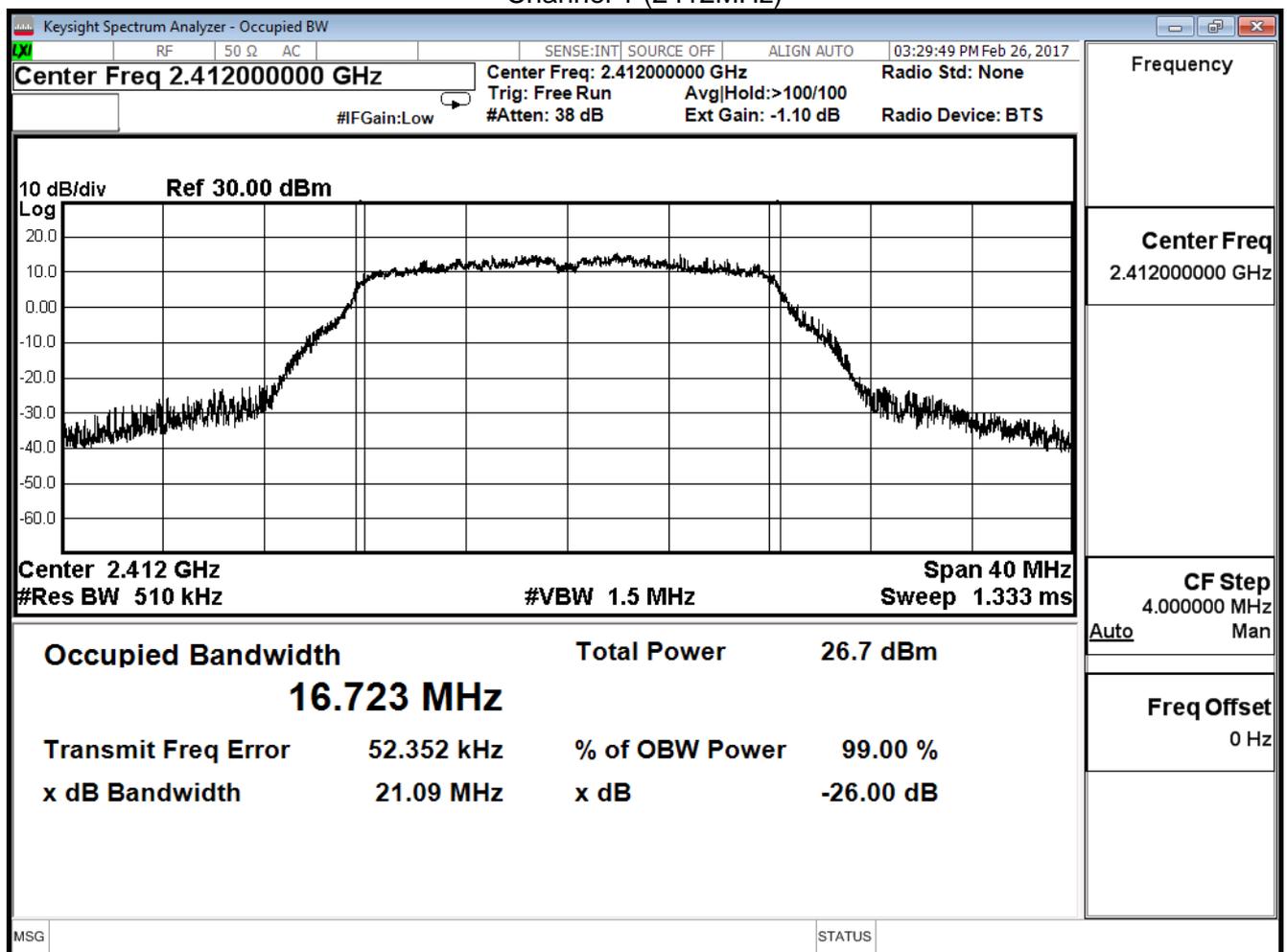


Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/26	Test Site	SR10-H

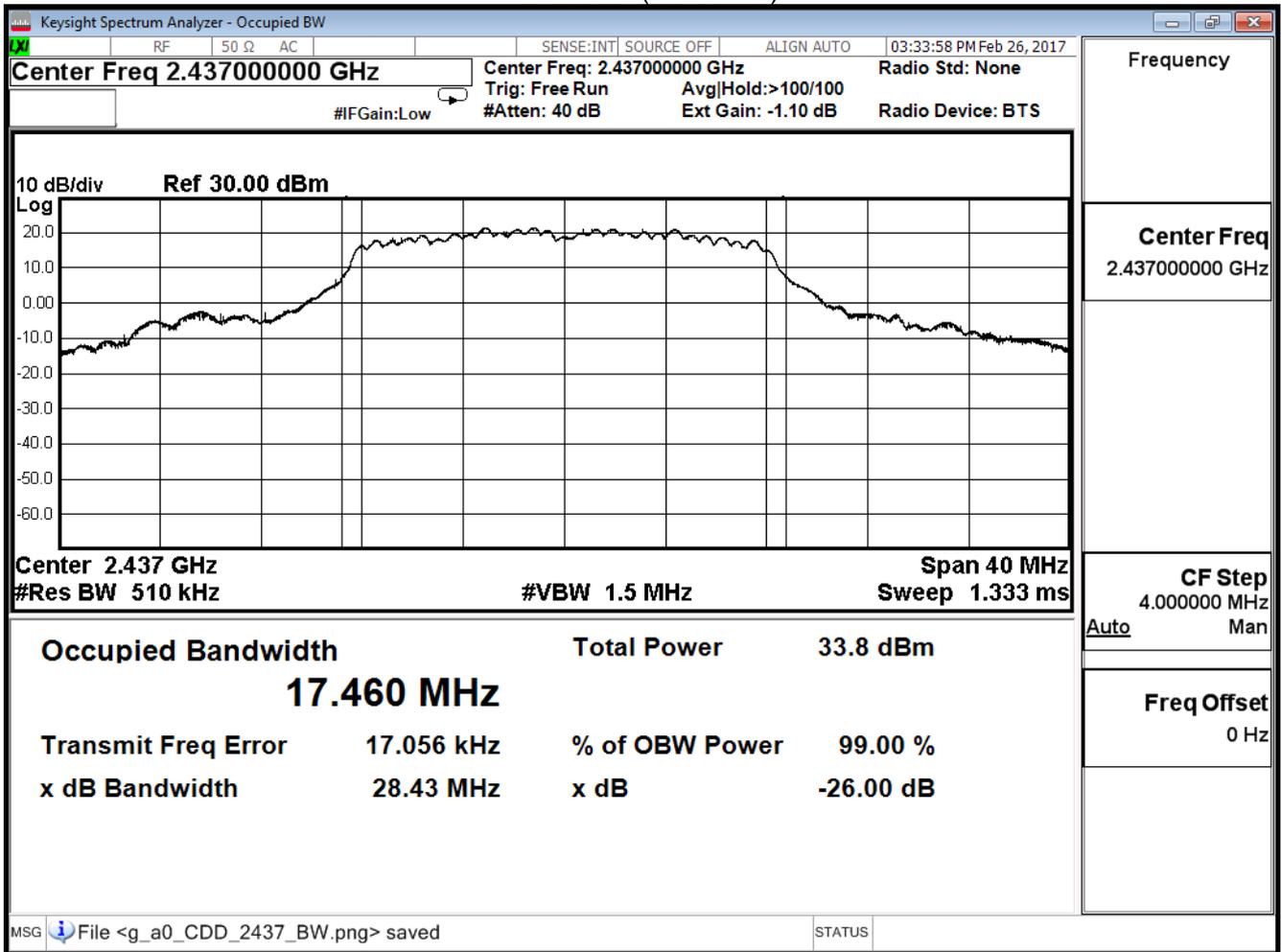
802.11 g (ANT 1)

Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	16.723	--	Pass
6	2437	17.460	--	Pass
11	2462	16.689	--	Pass

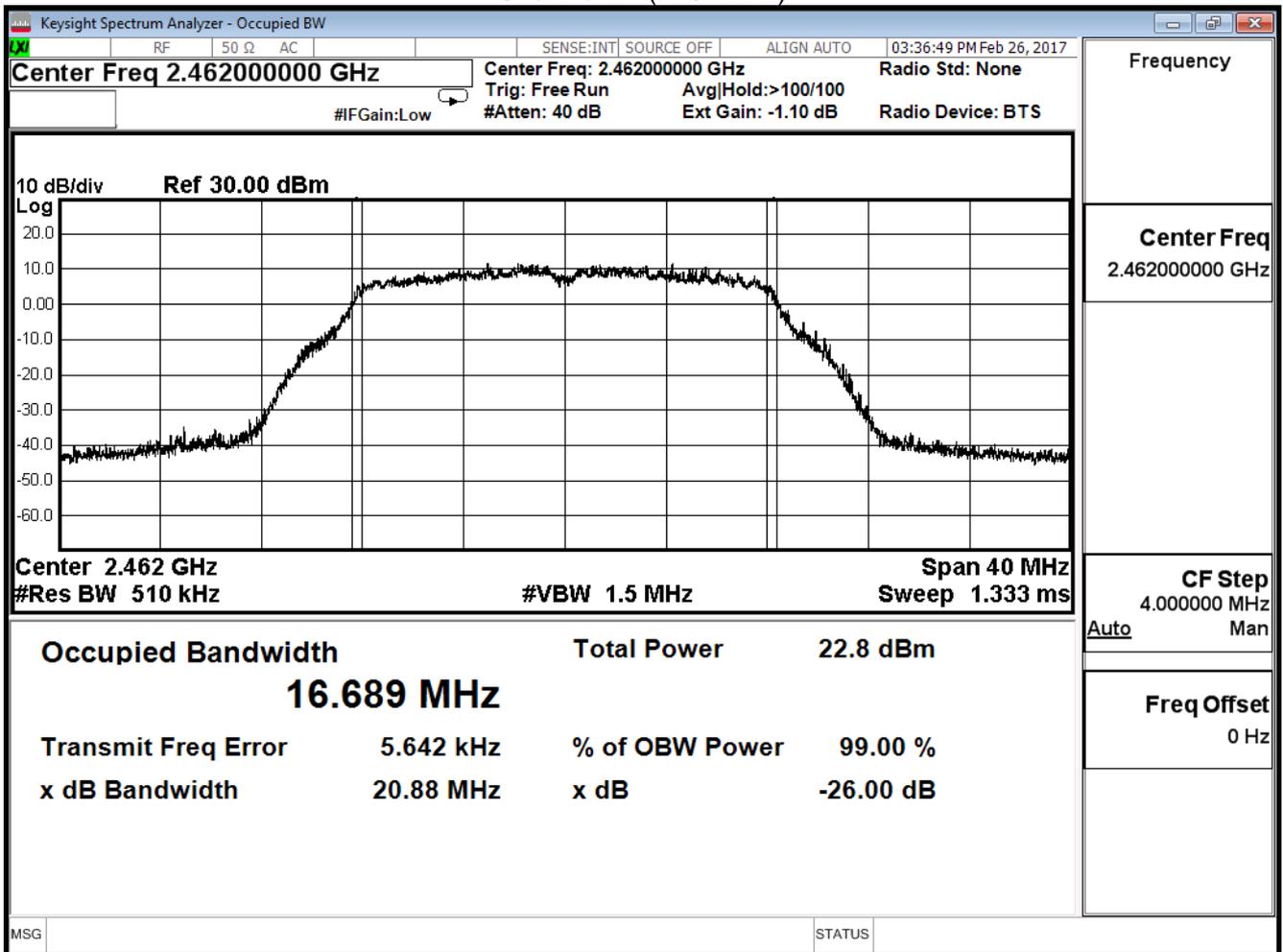
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

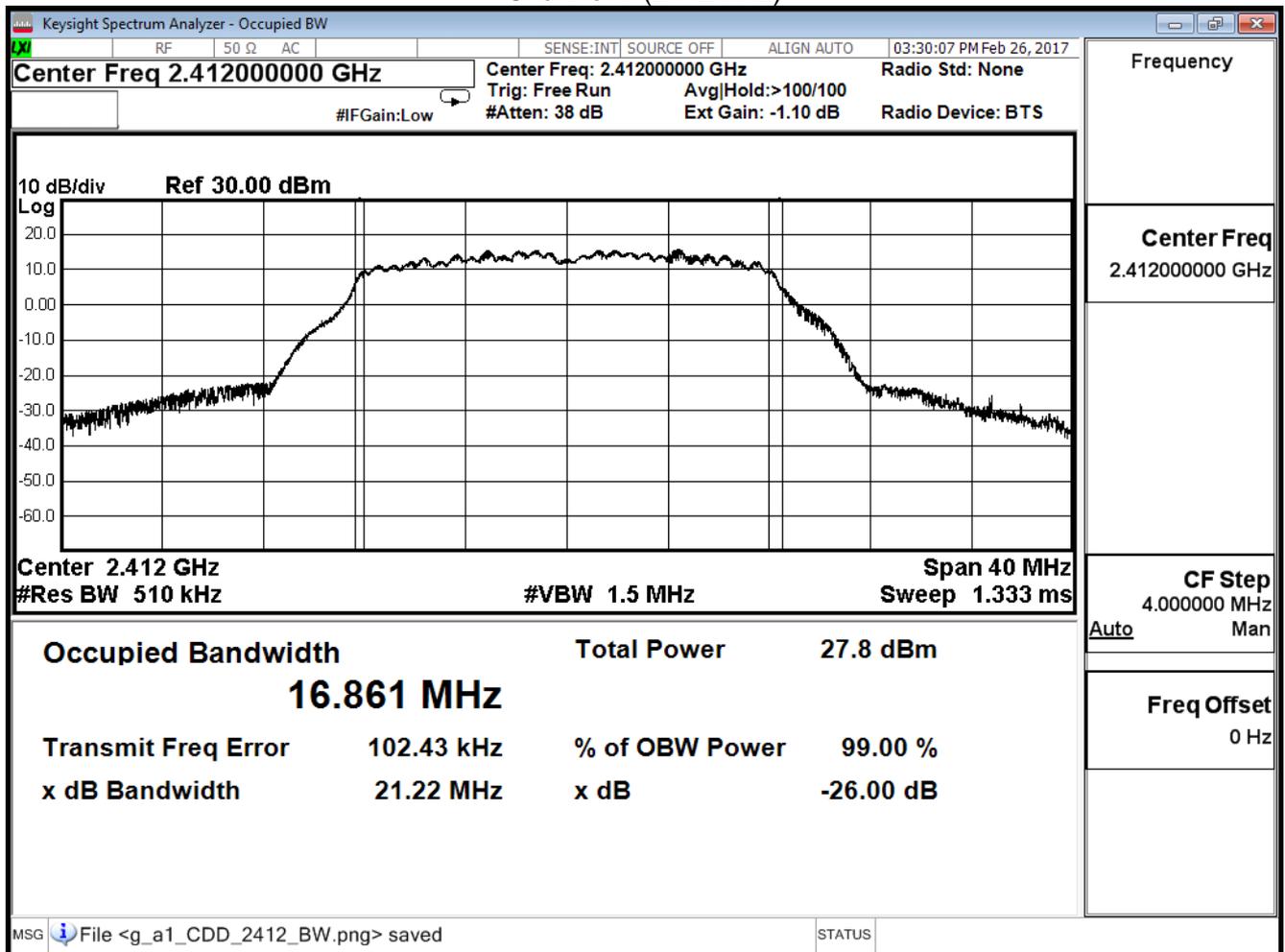


Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/26	Test Site	SR10-H

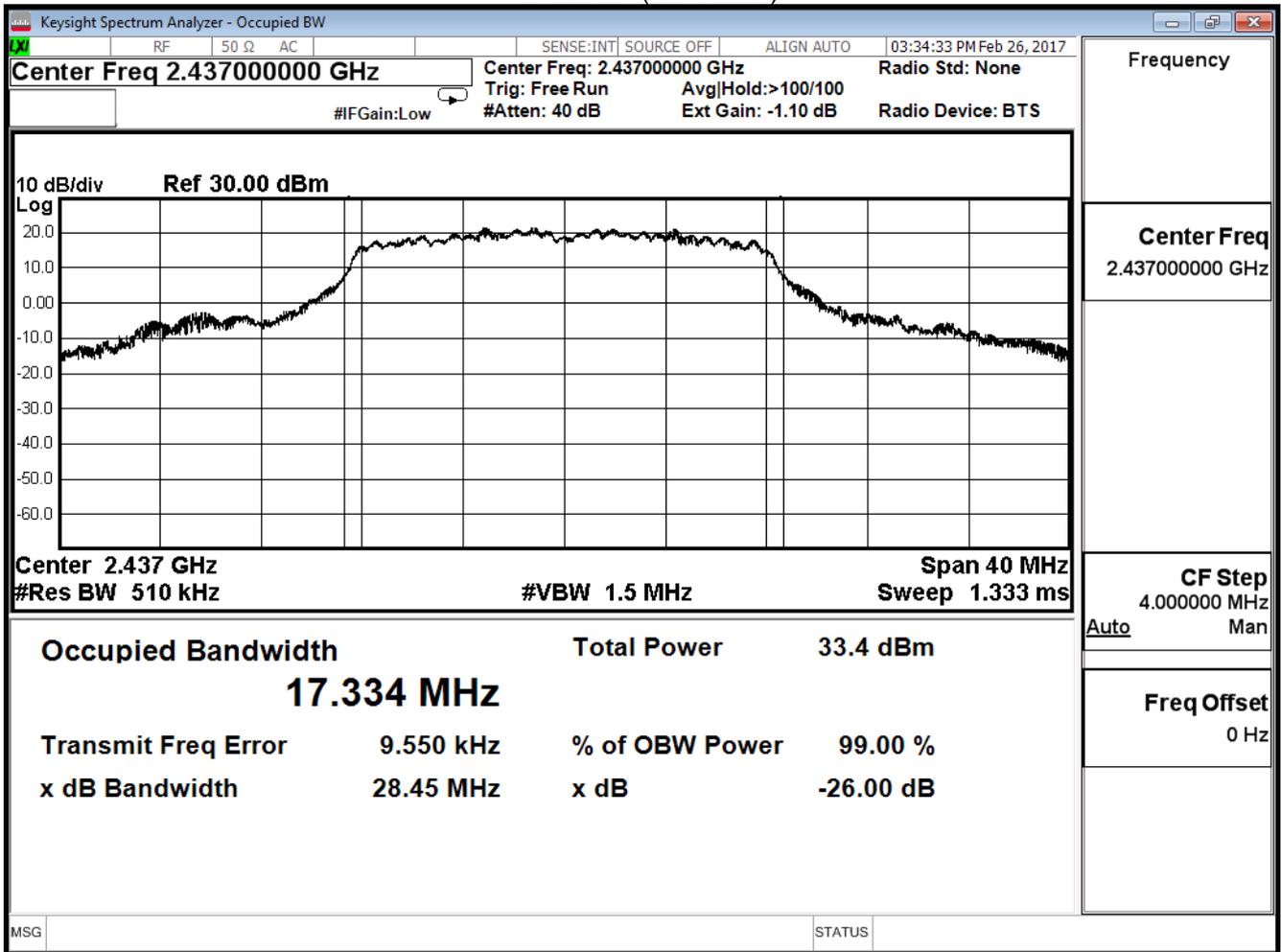
802.11 g (ANT 2)

Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	16.861	--	Pass
6	2437	17.334	--	Pass
11	2462	16.778	--	Pass

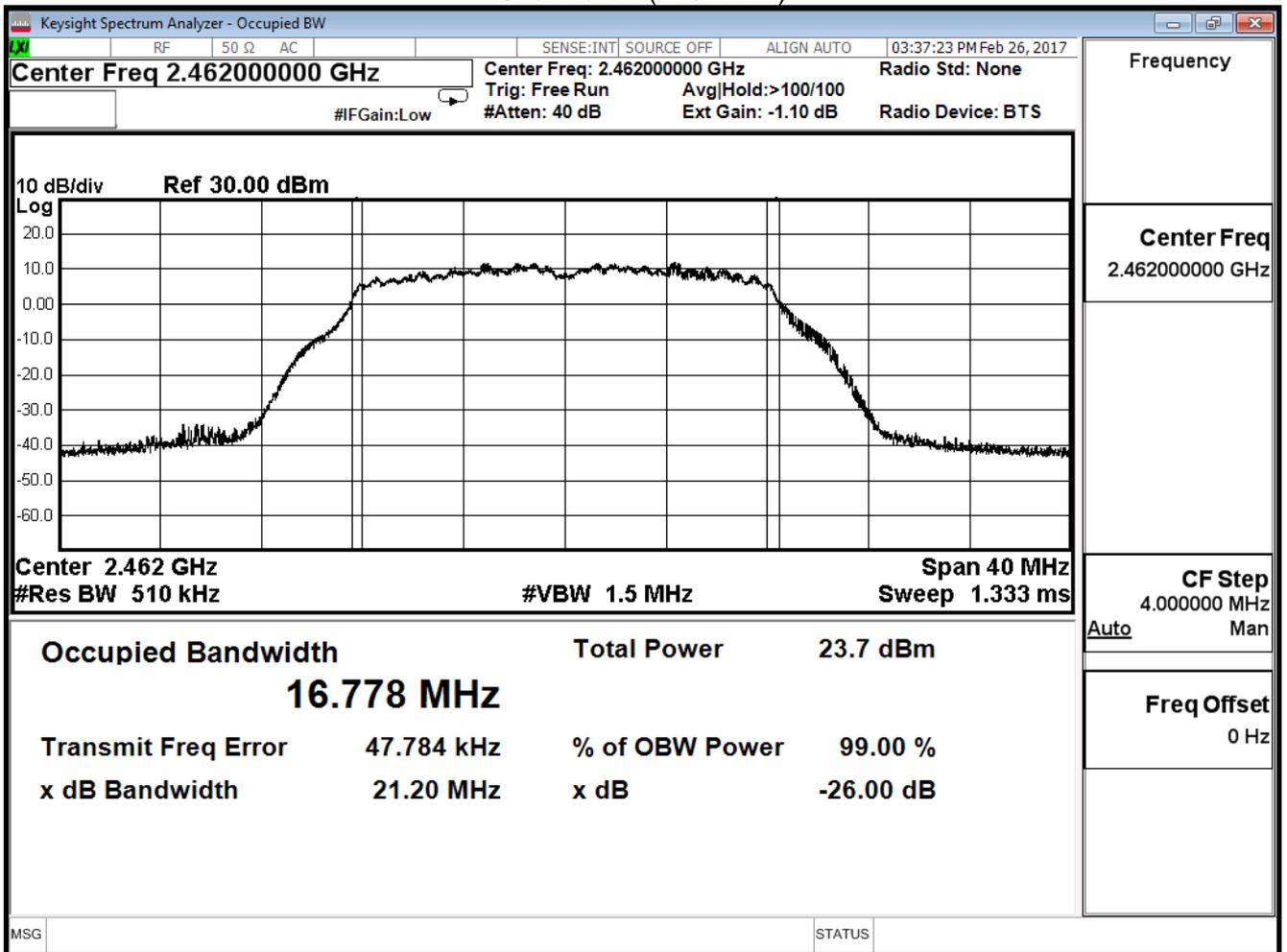
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

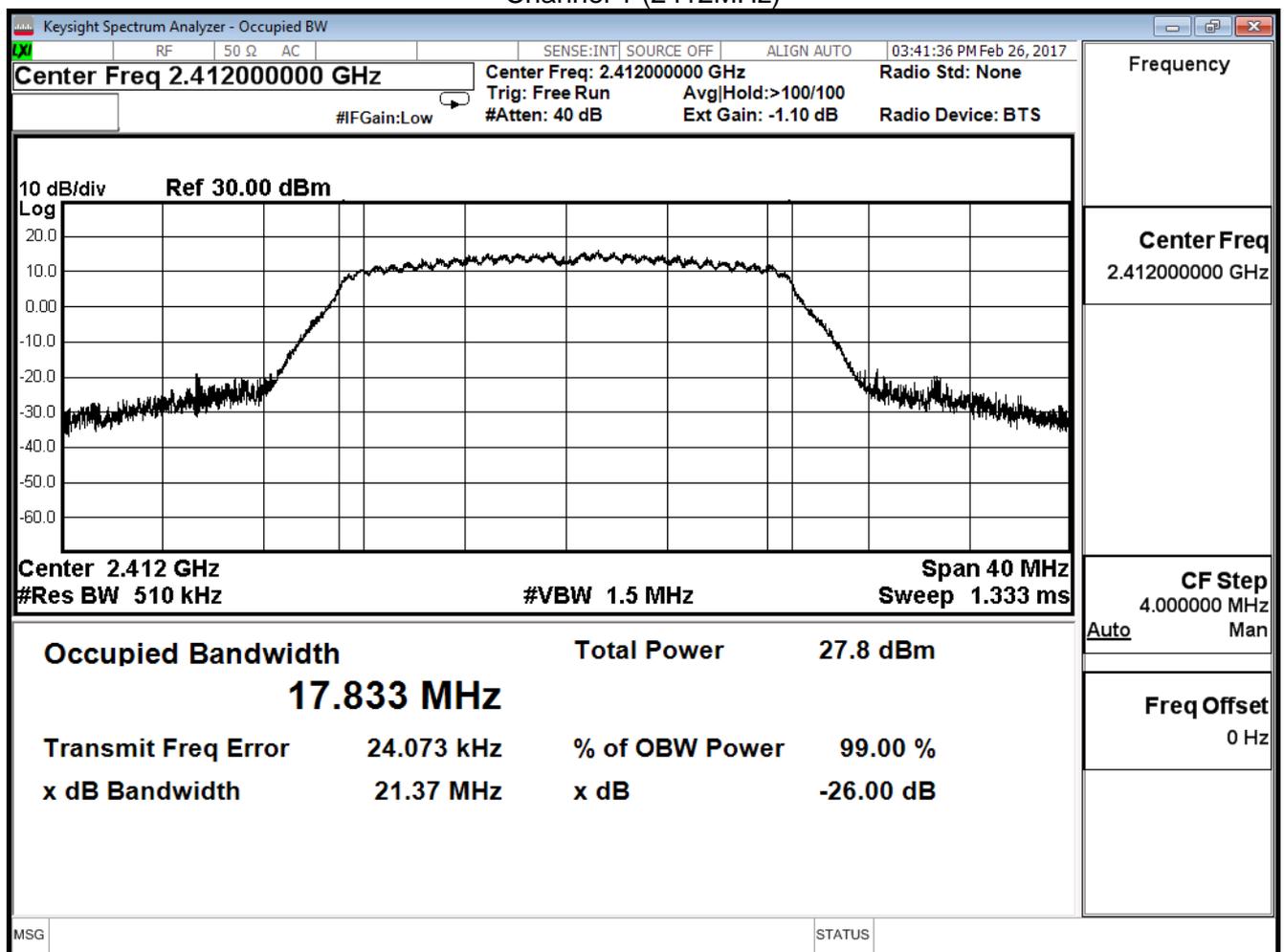


Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/26	Test Site	SR10-H

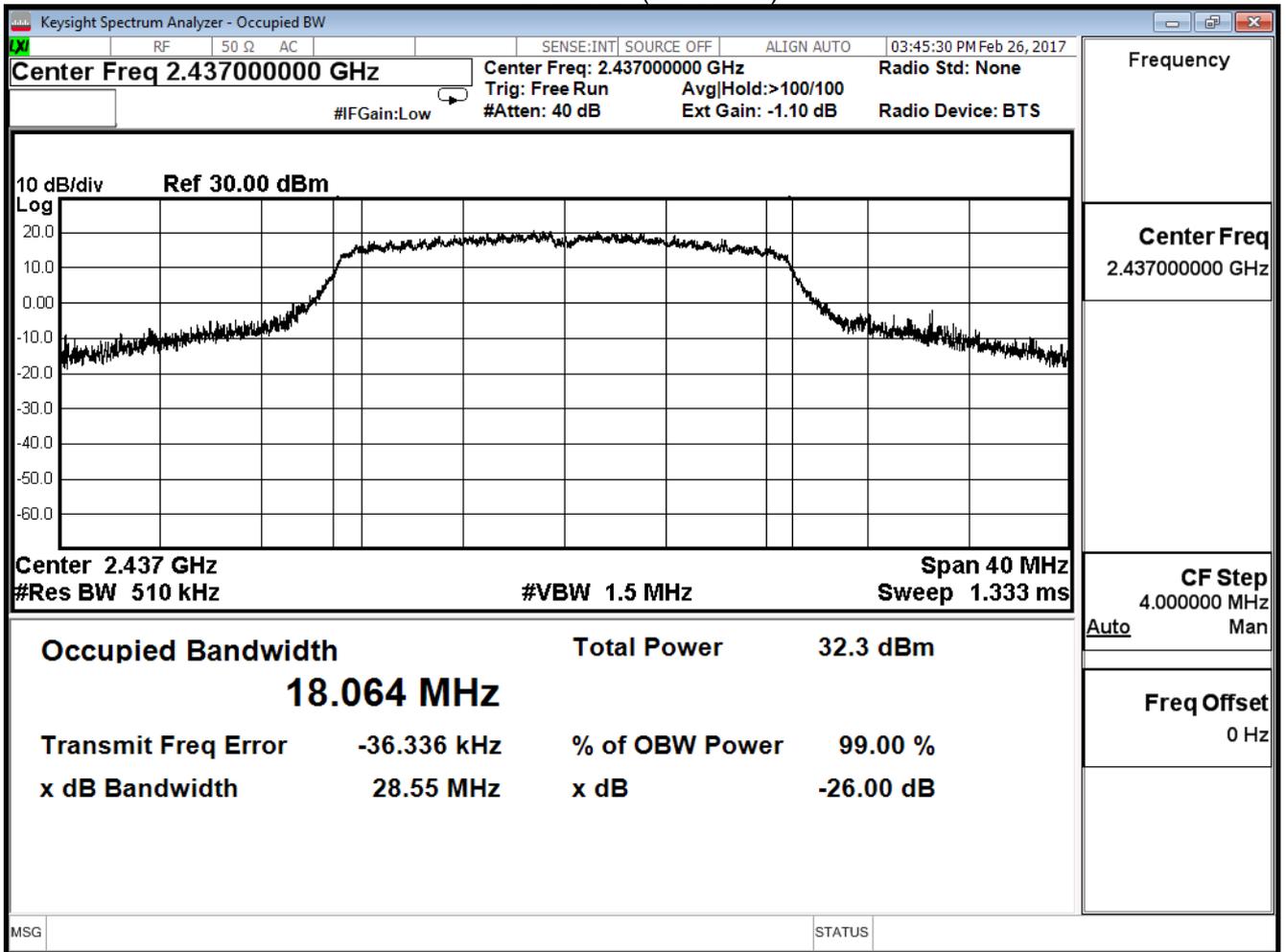
IEEE802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	17.833	--	Pass
6	2437	18.064	--	Pass
11	2462	17.802	--	Pass

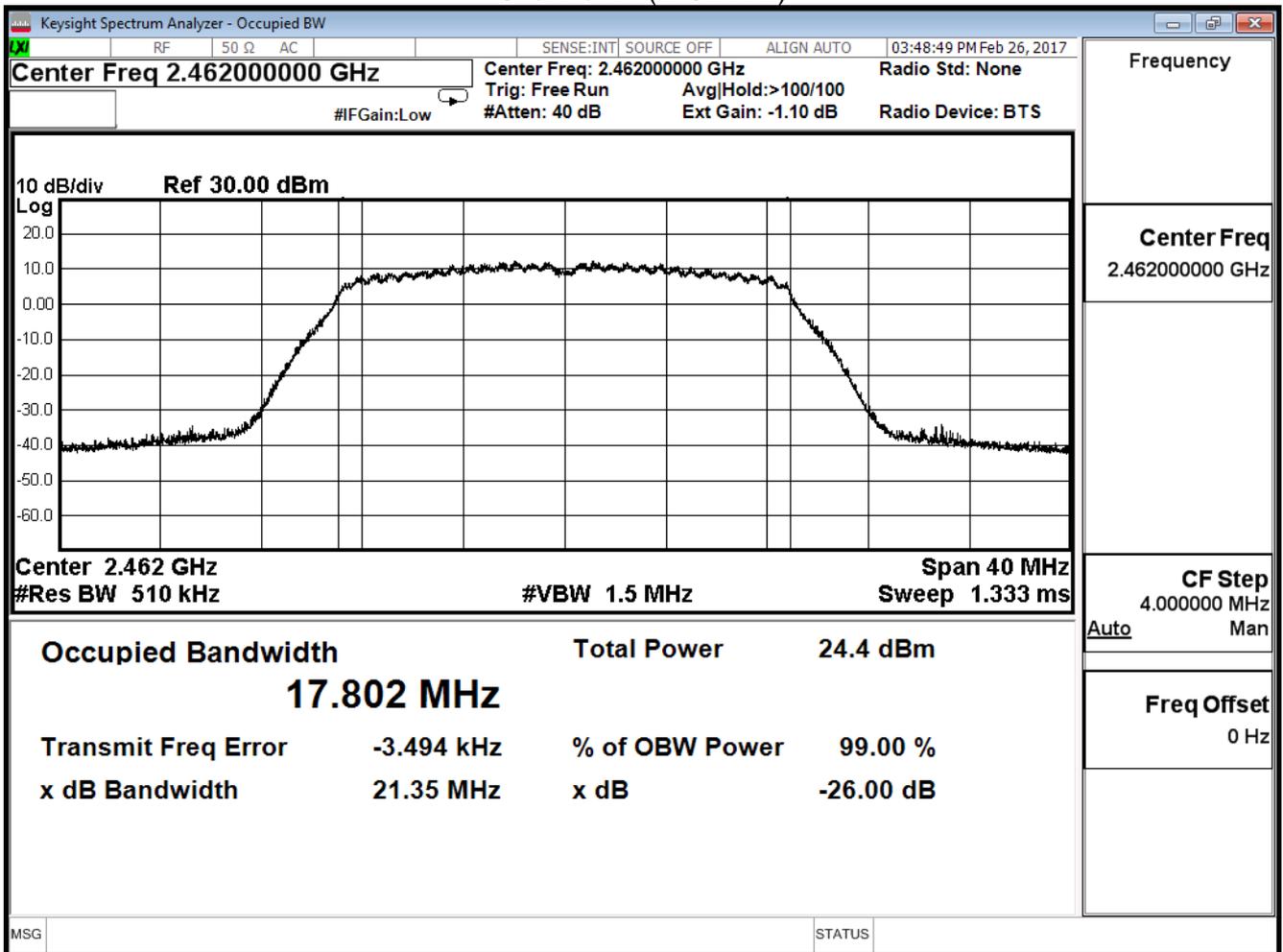
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)

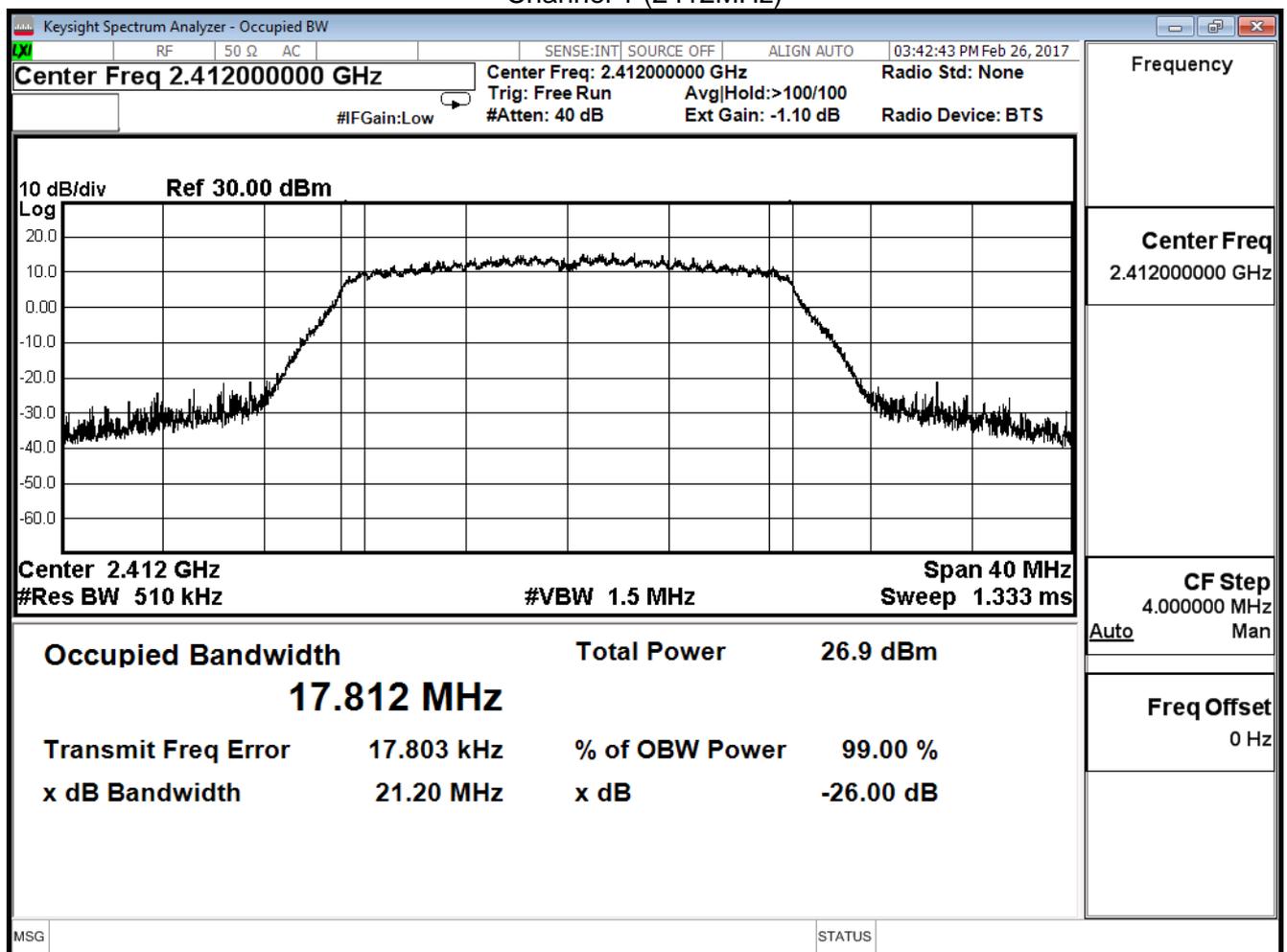


Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/26	Test Site	SR10-H

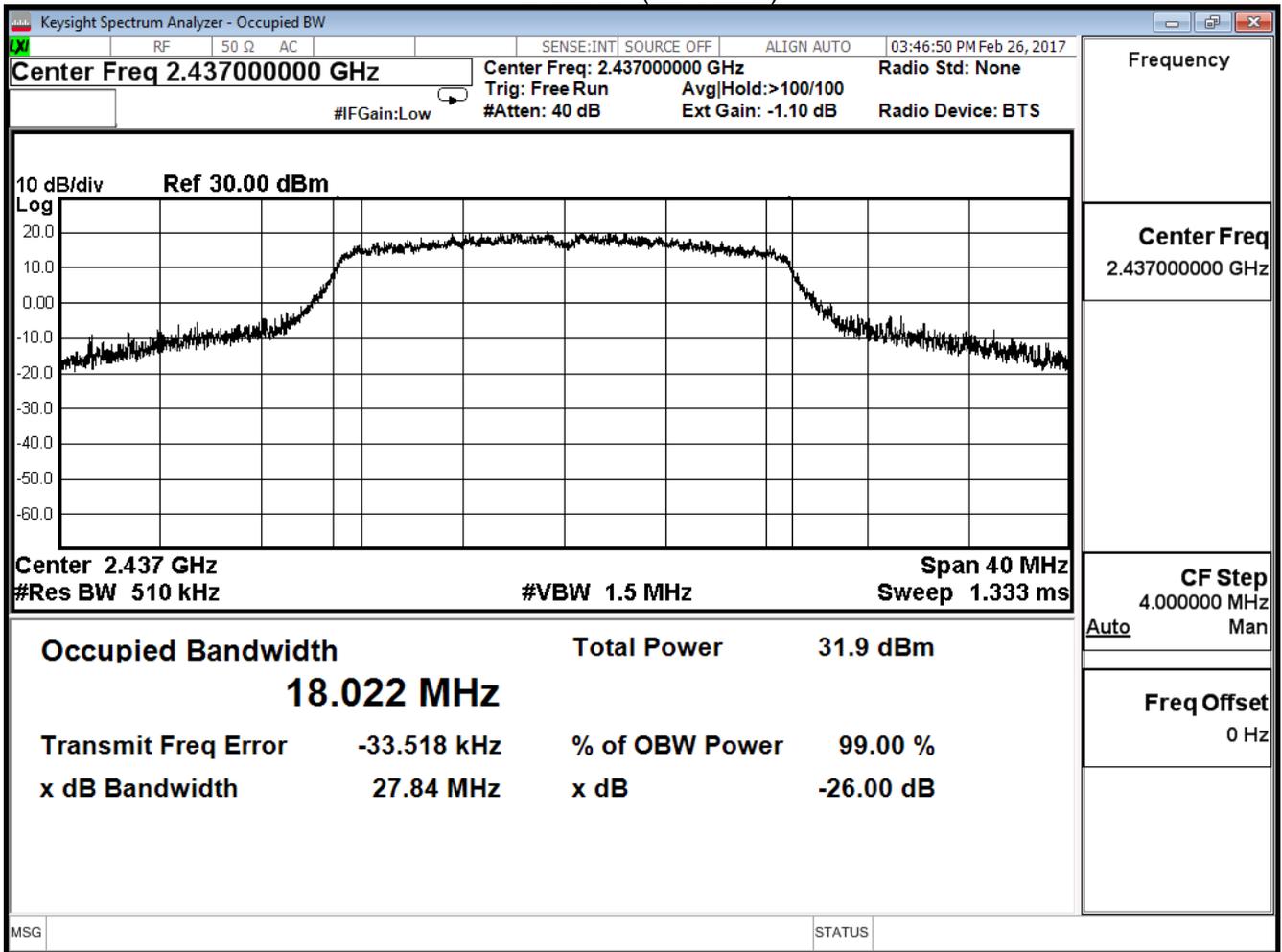
IEEE802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.812	--	Pass
6	2437	18.022	--	Pass
11	2462	17.805	--	Pass

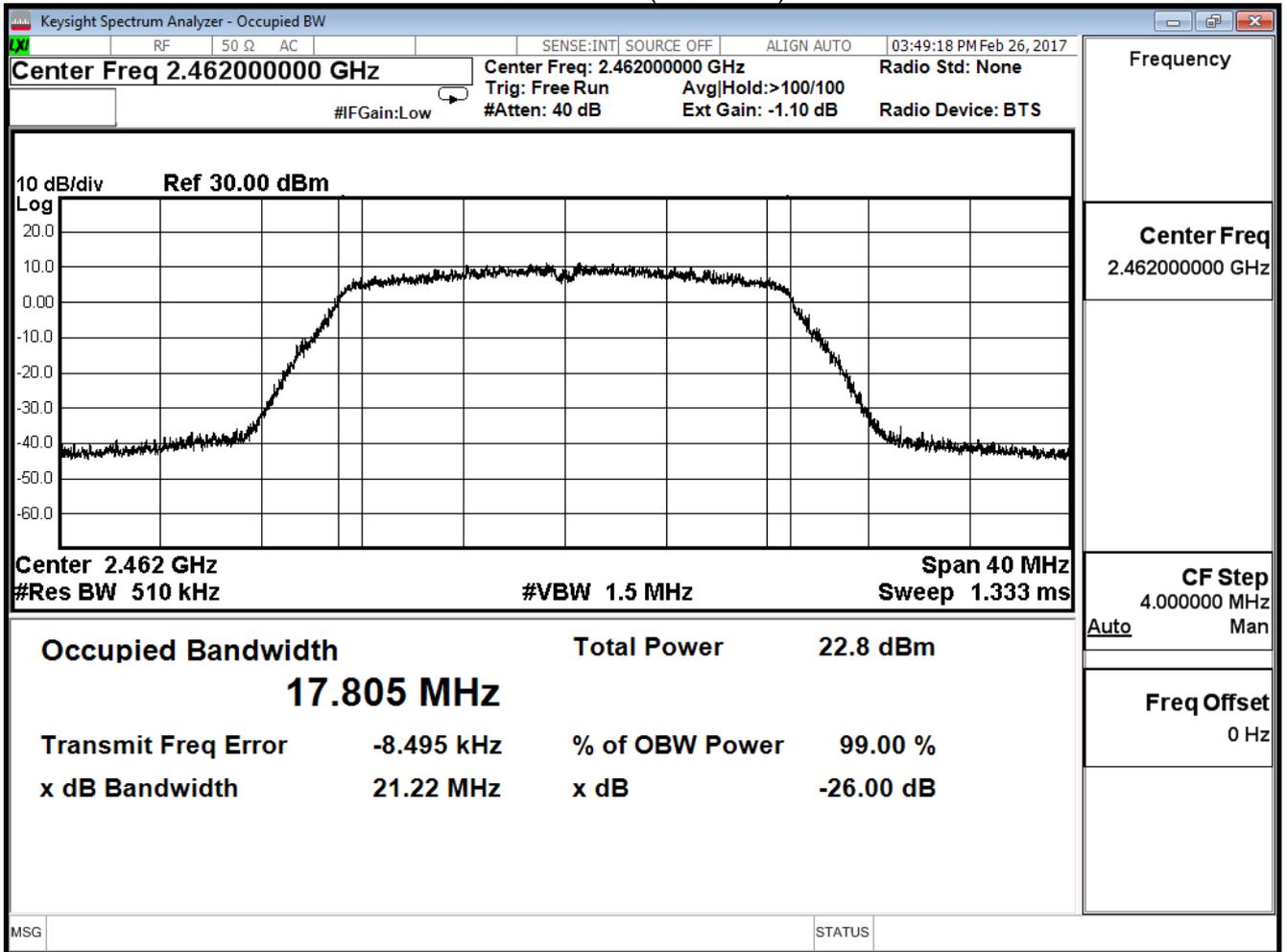
Channel 1 (2412MHz)



Channel 6 (2437MHz)



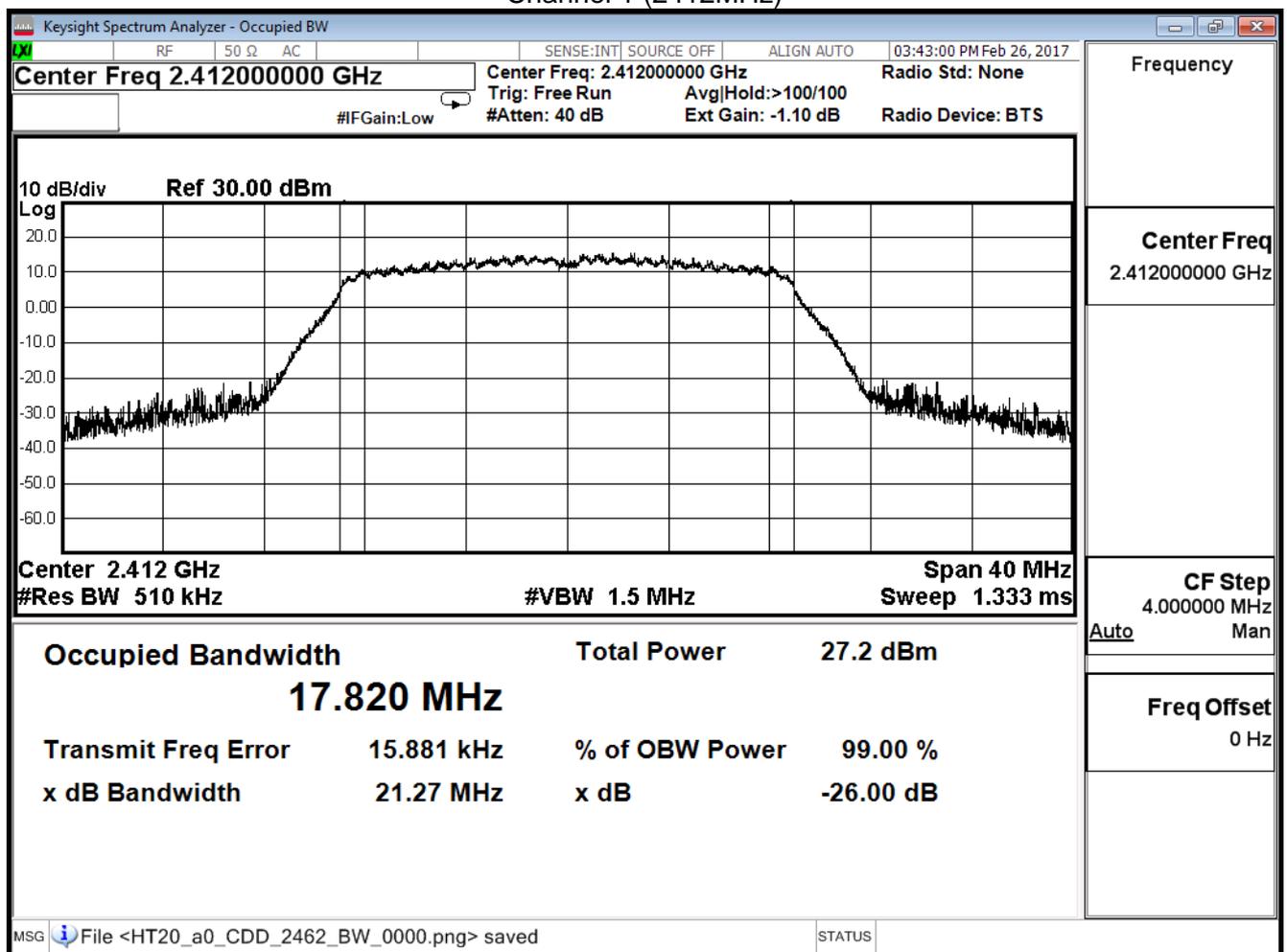
Channel 11 (2462MHz)



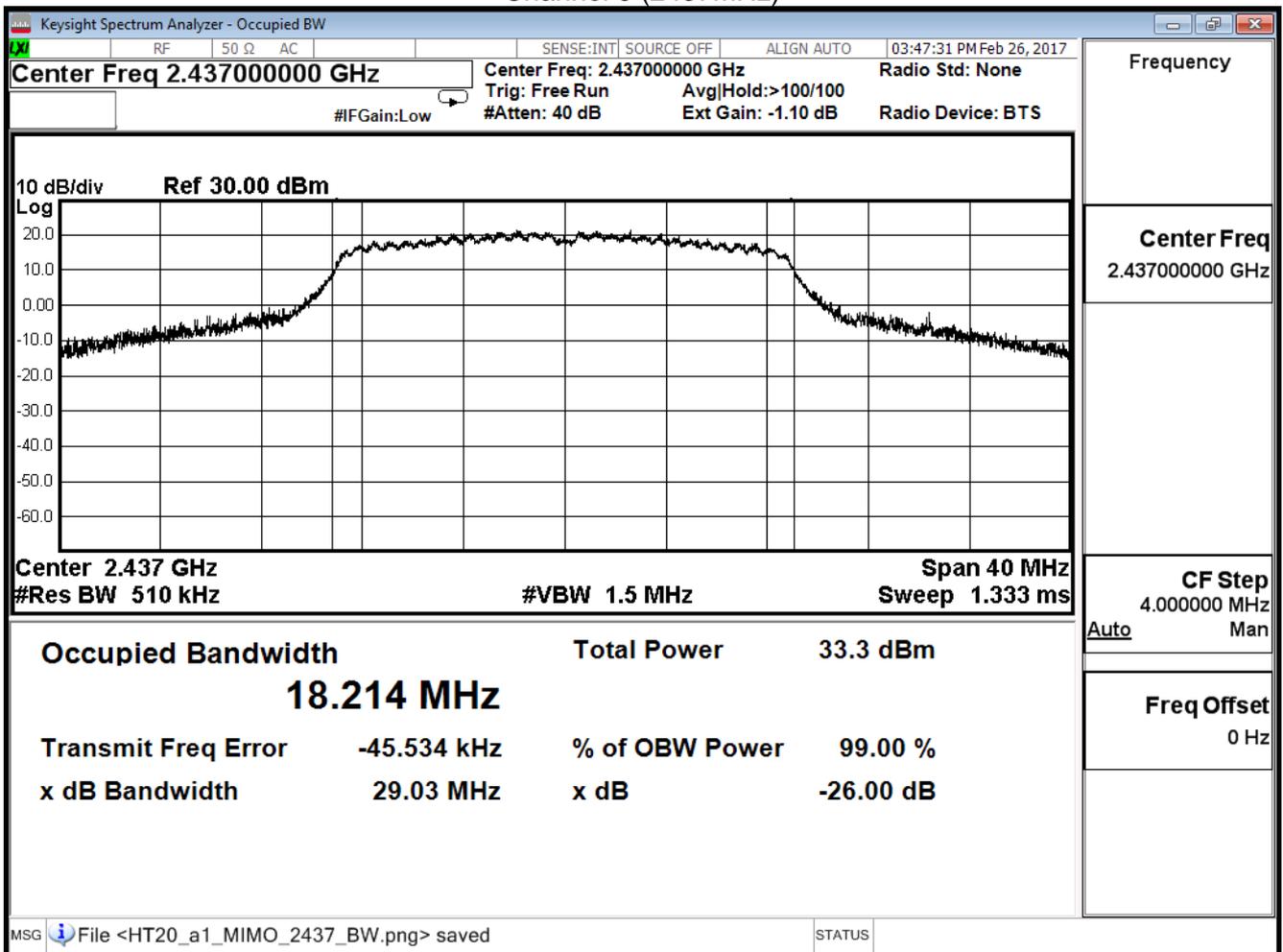
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/26	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.820	--	Pass
6	2437	18.214	--	Pass
11	2462	17.827	--	Pass

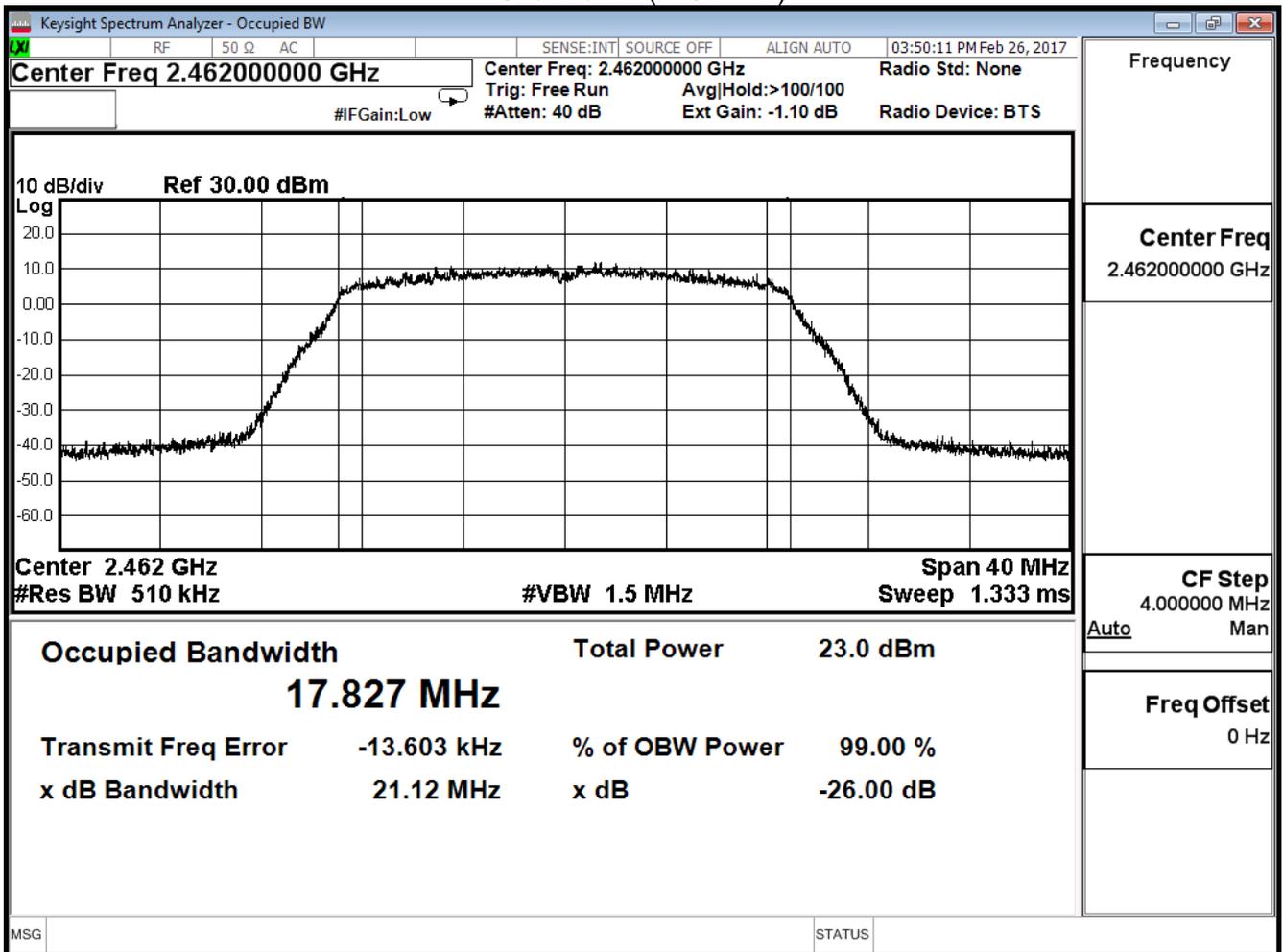
Channel 1 (2412MHz)



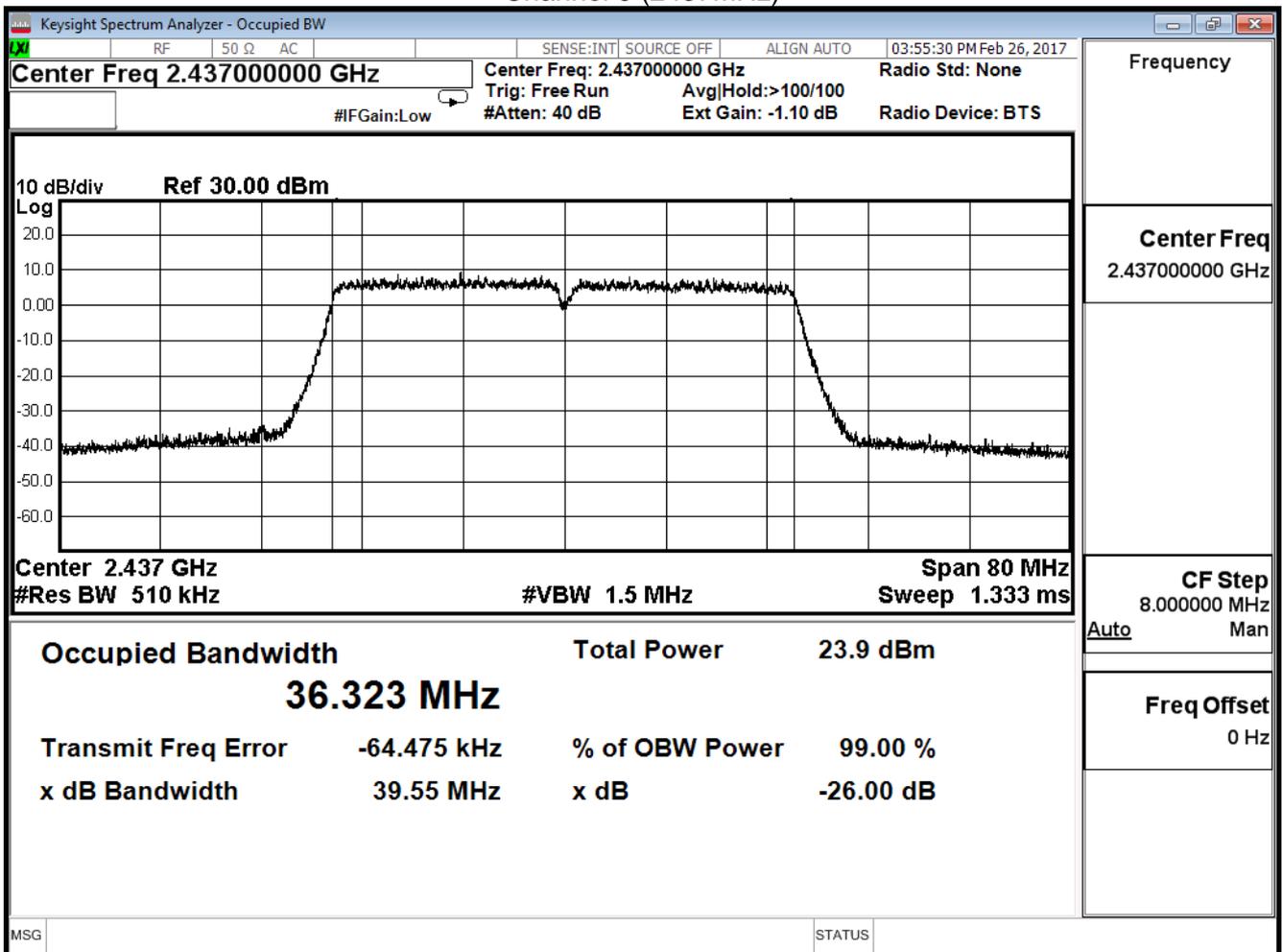
Channel 6 (2437MHz)



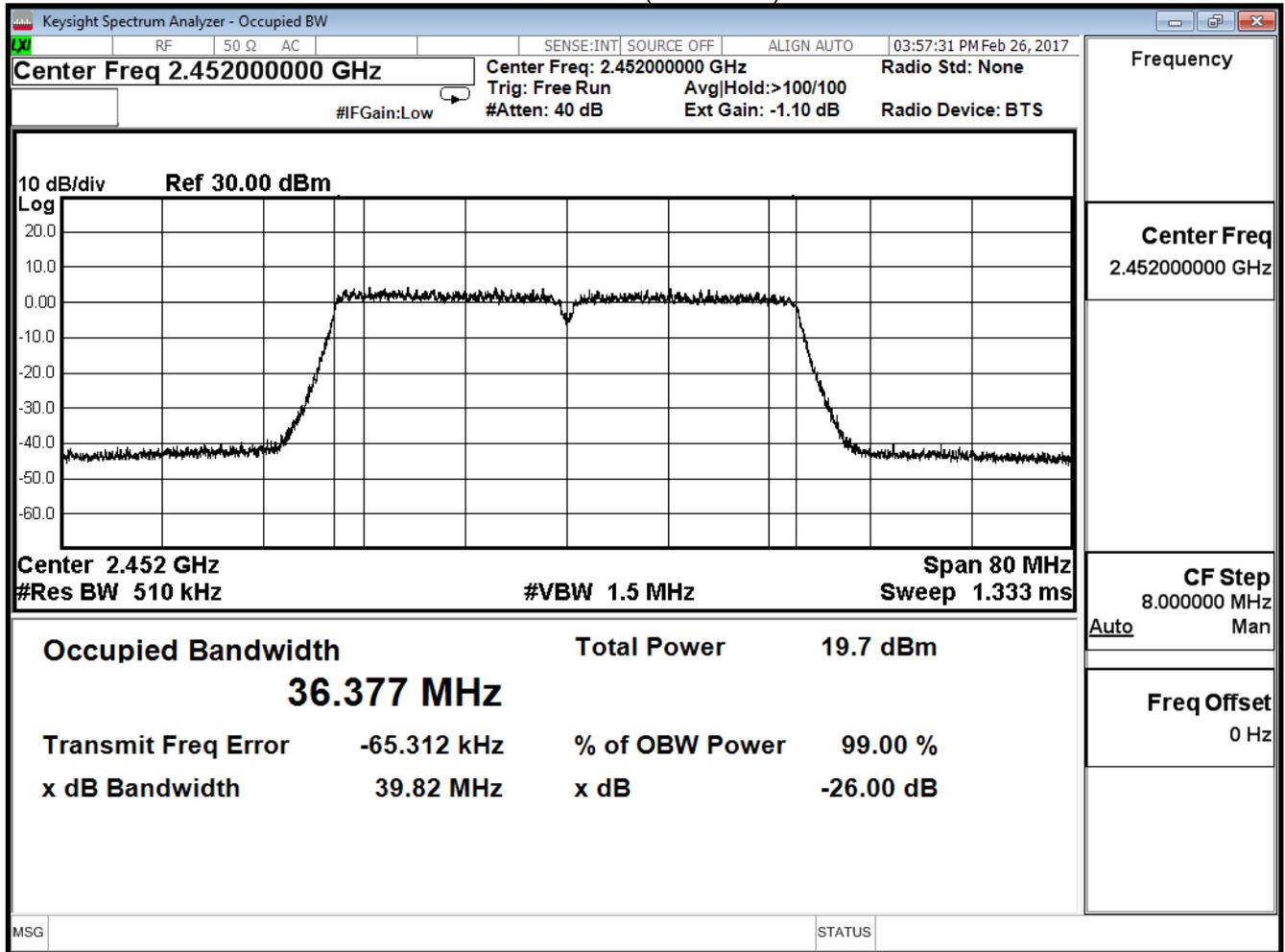
Channel 11 (2462MHz)



Channel 6 (2437MHz)



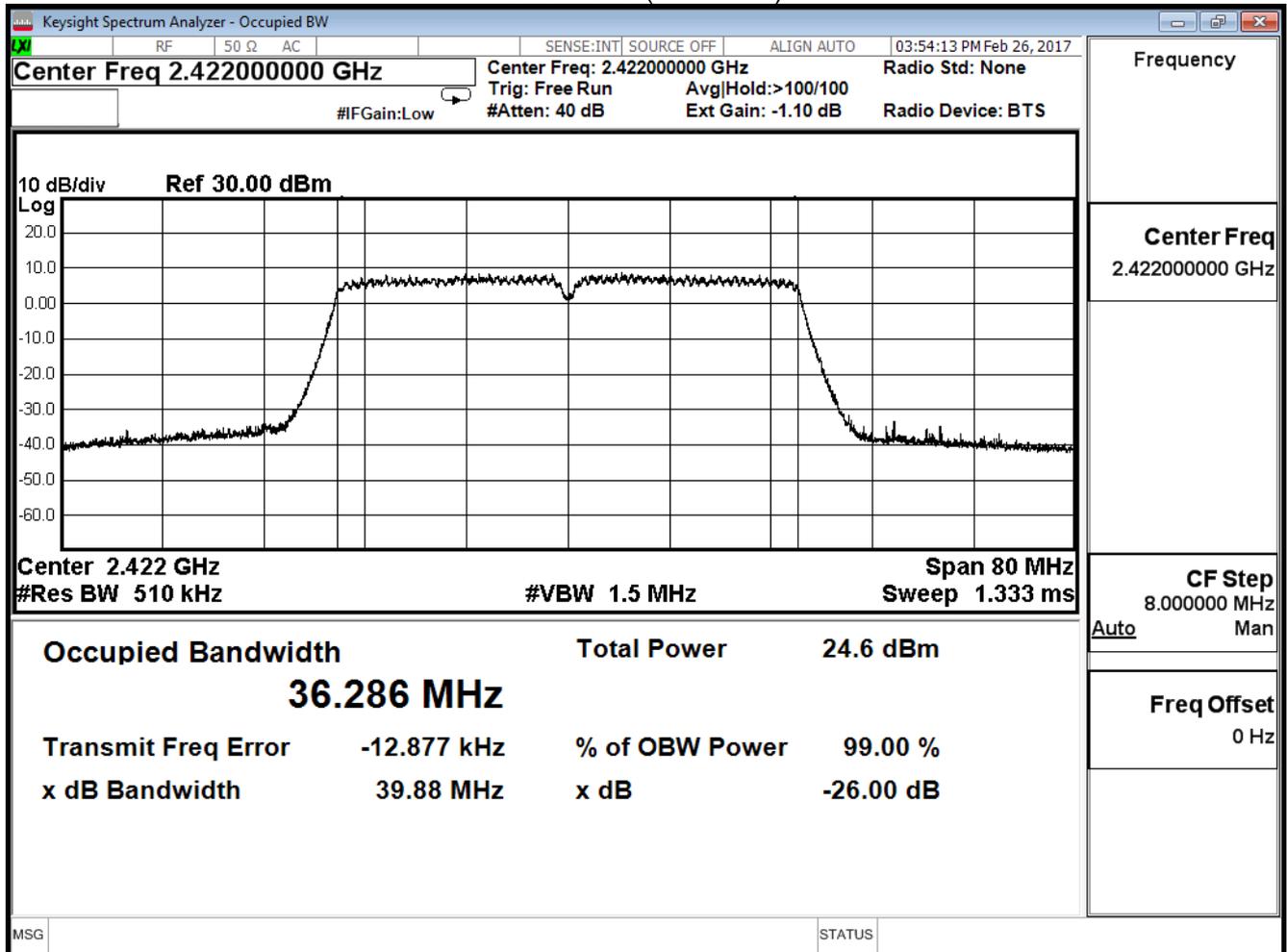
Channel 9 (2452MHz)



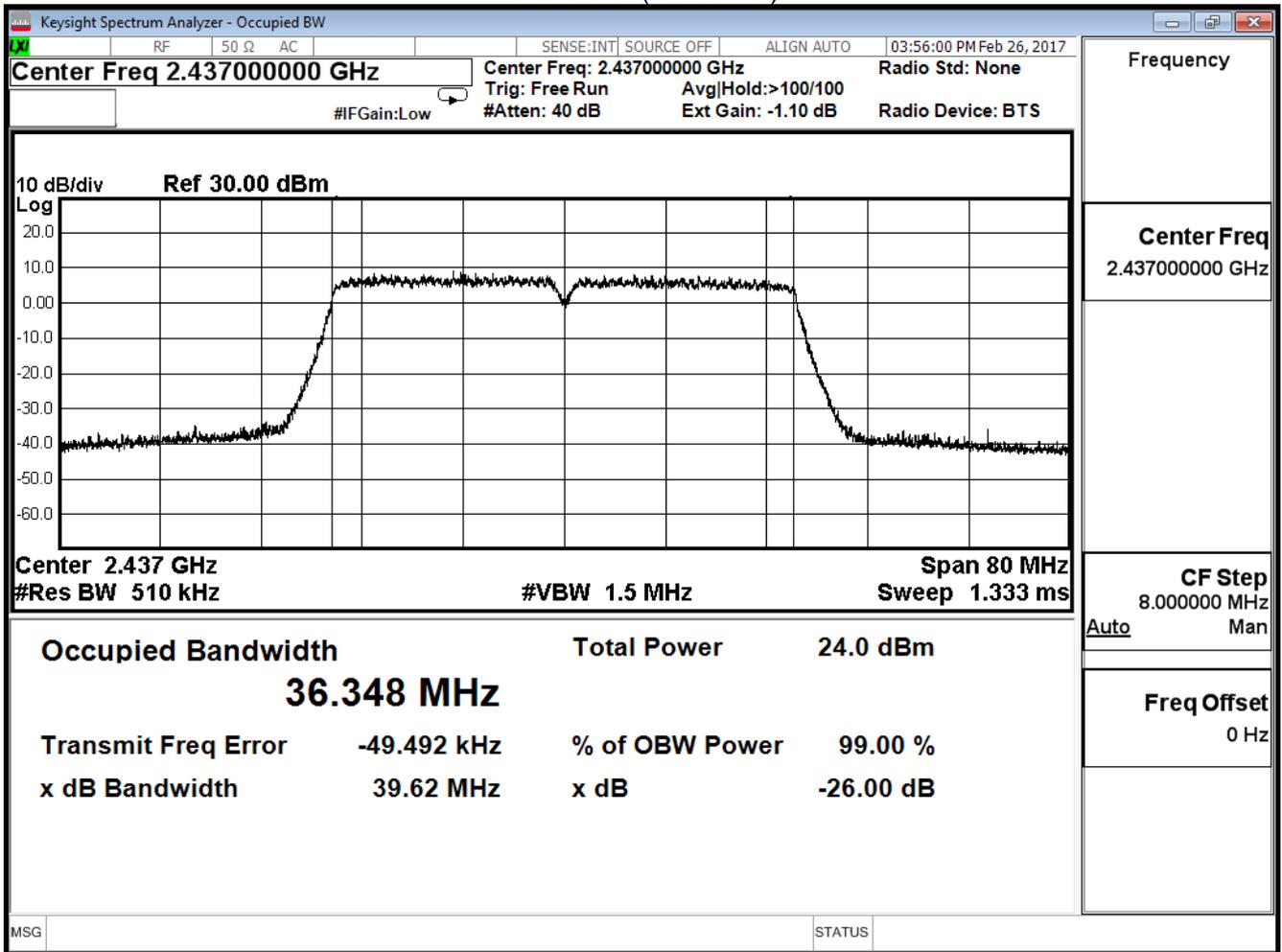
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/26	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.286	--	Pass
6	2437	36.348	--	Pass
9	2452	36.349	--	Pass

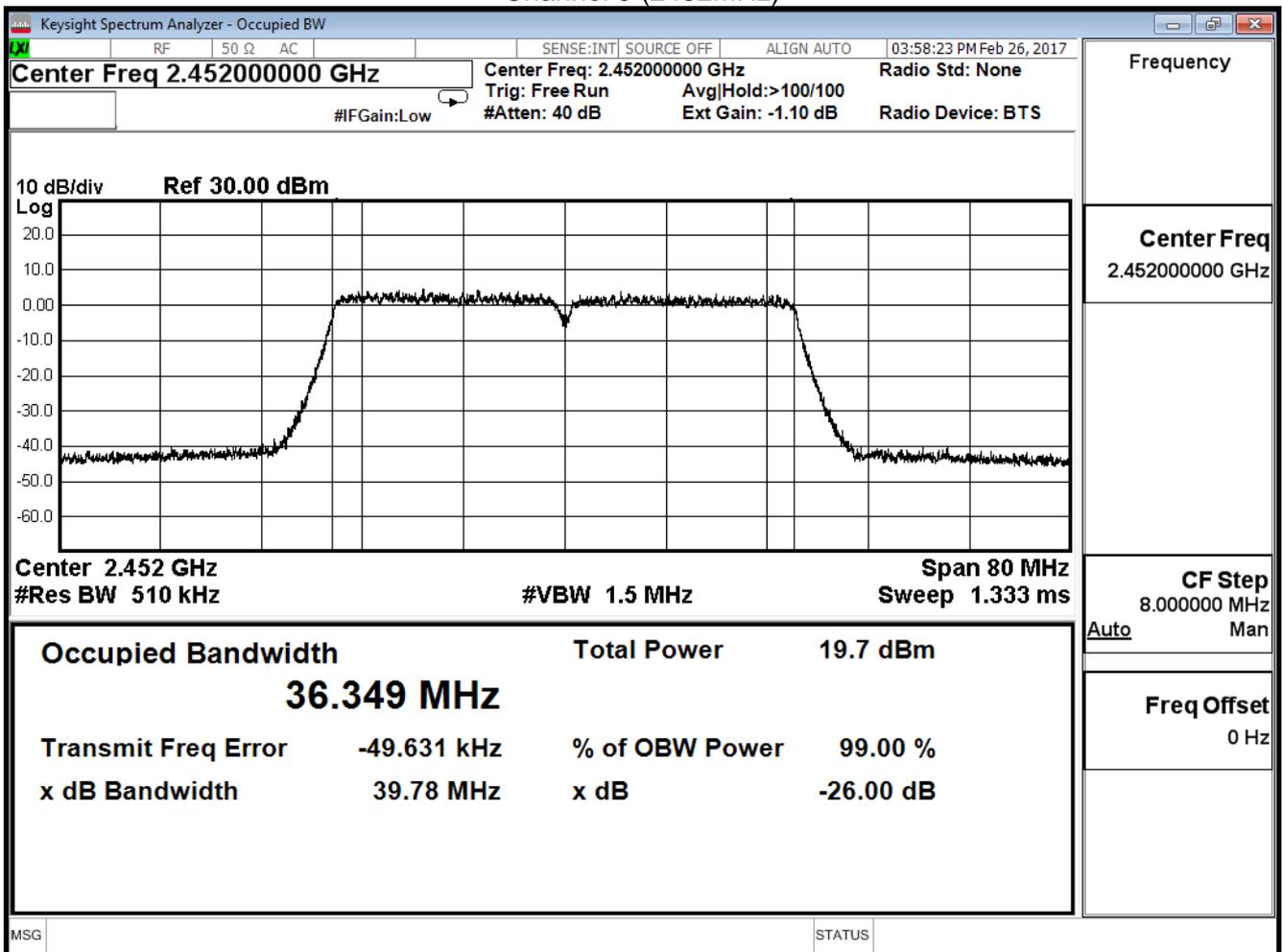
Channel 3 (2422MHz)



Channel 6 (2437MHz)



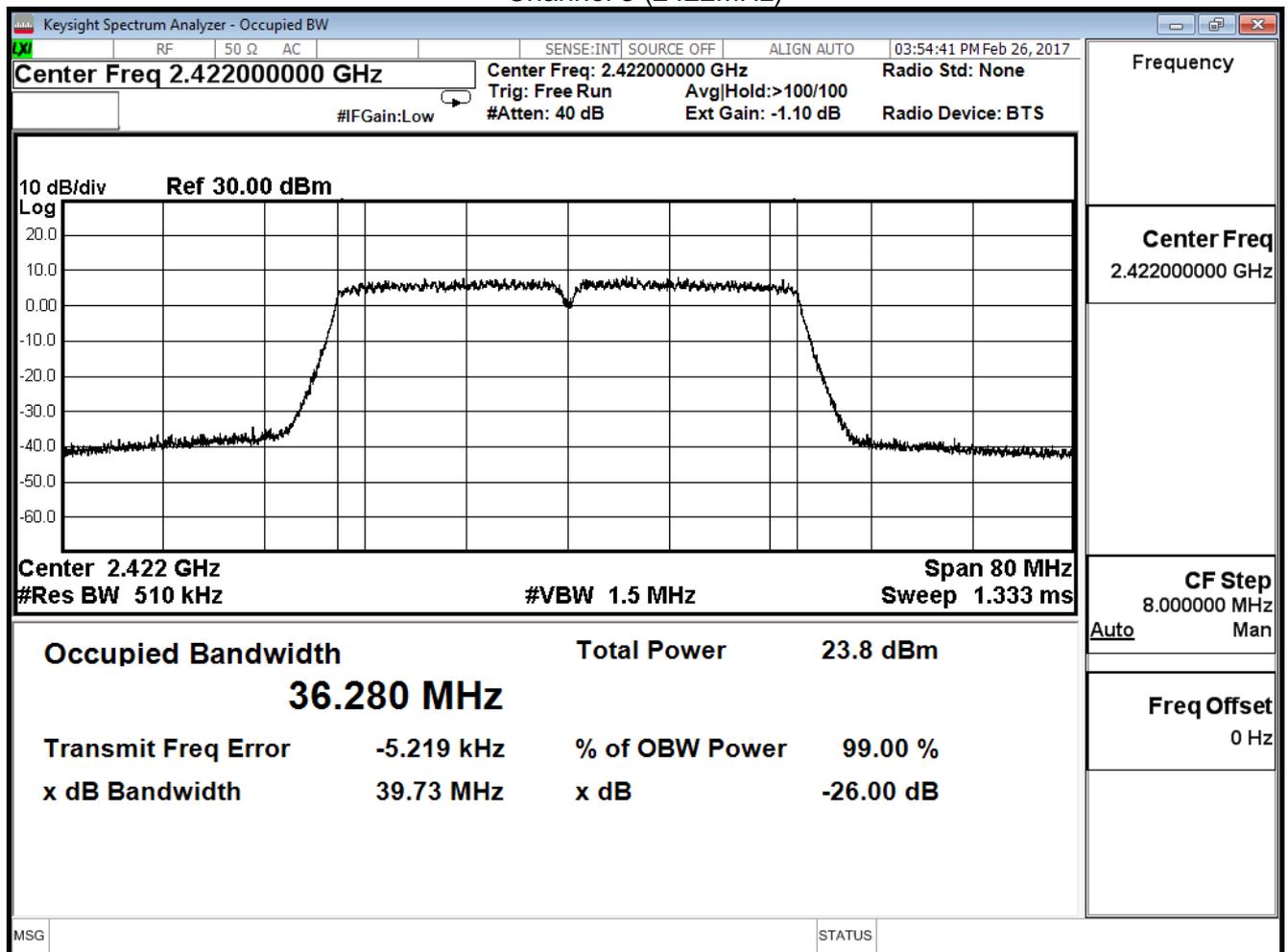
Channel 9 (2452MHz)



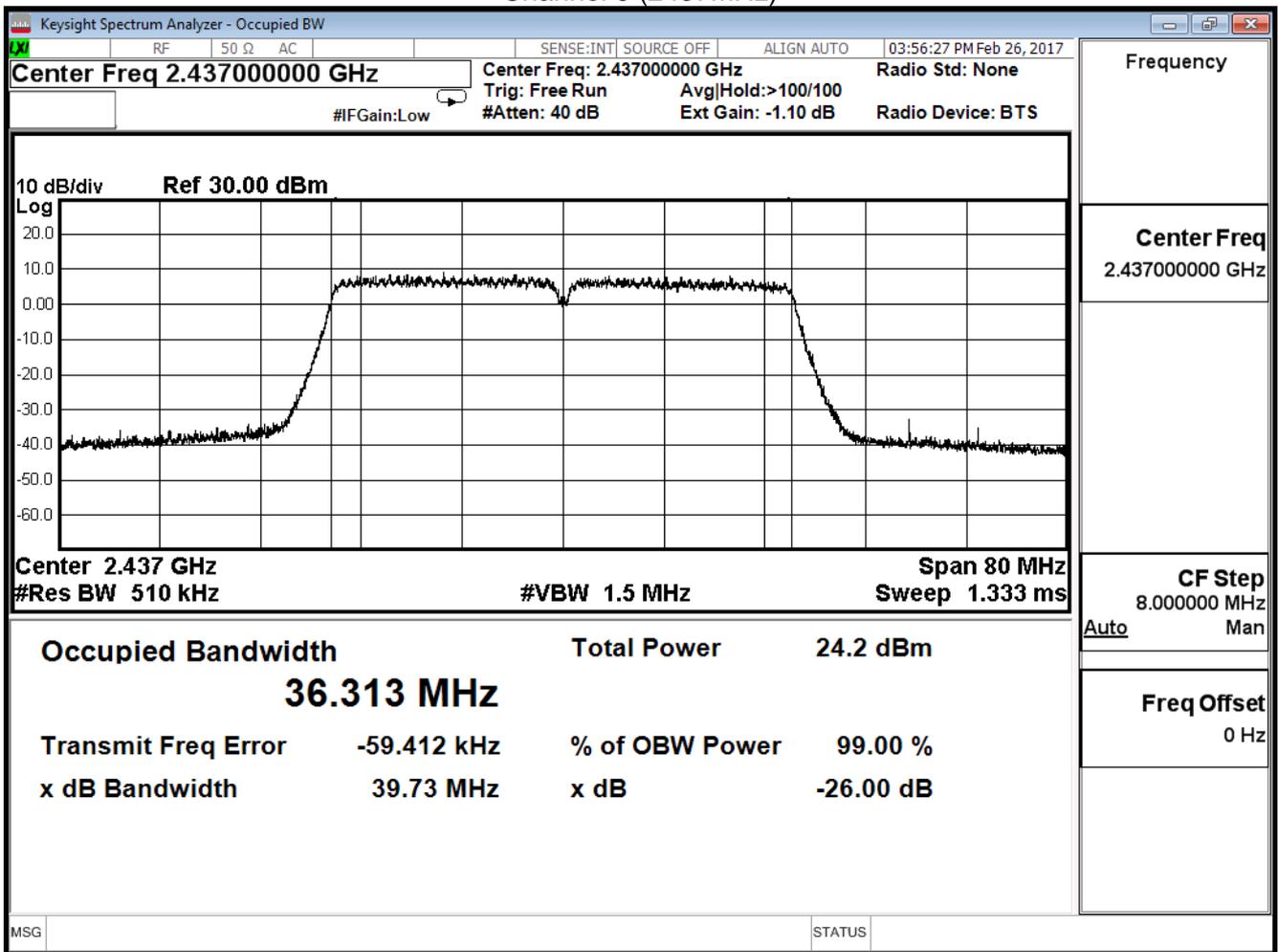
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/26	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.280	--	Pass
6	2437	36.313	--	Pass
9	2452	36.368	--	Pass

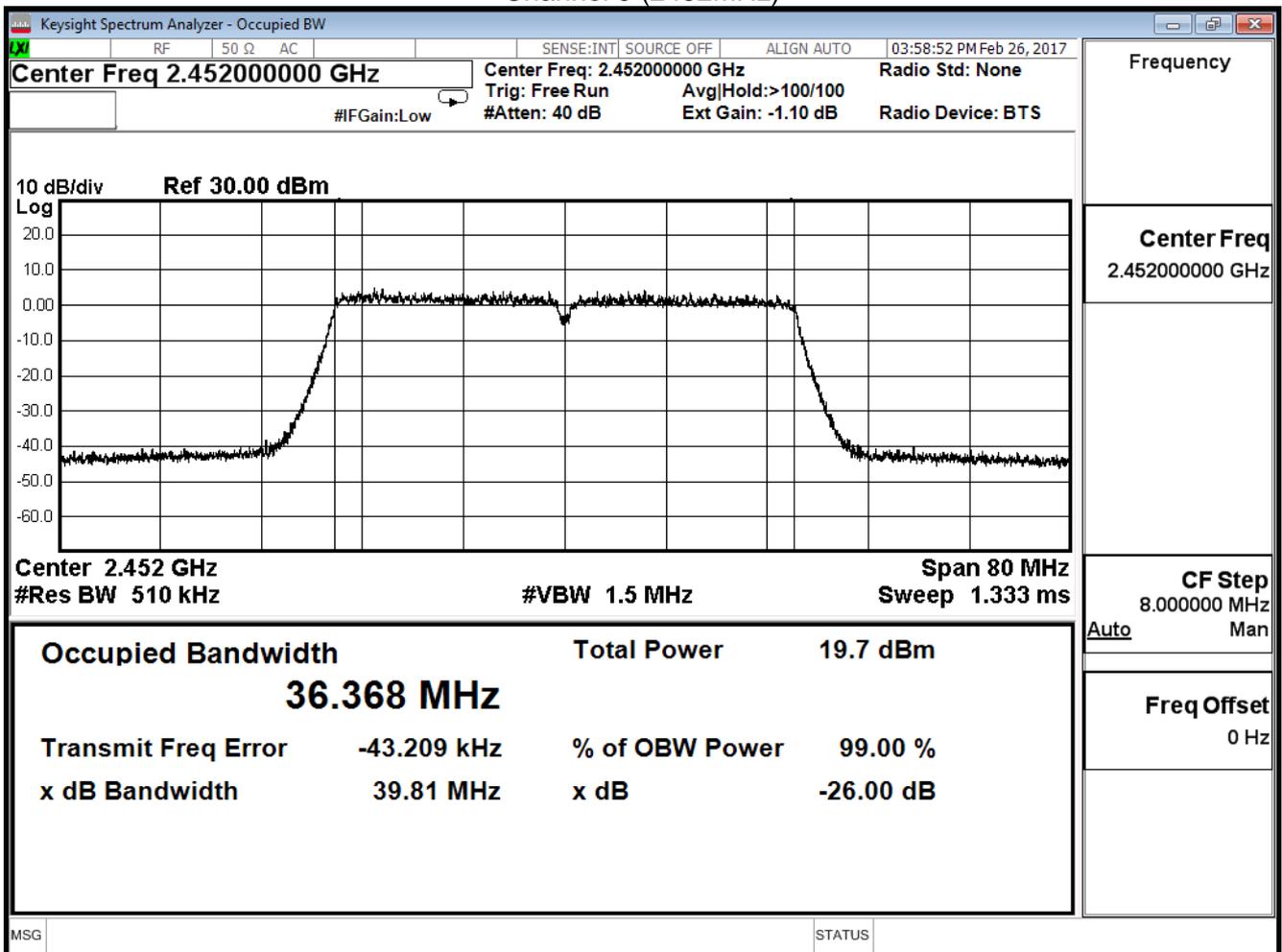
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



9. Power Density

9.1. Test Equipment

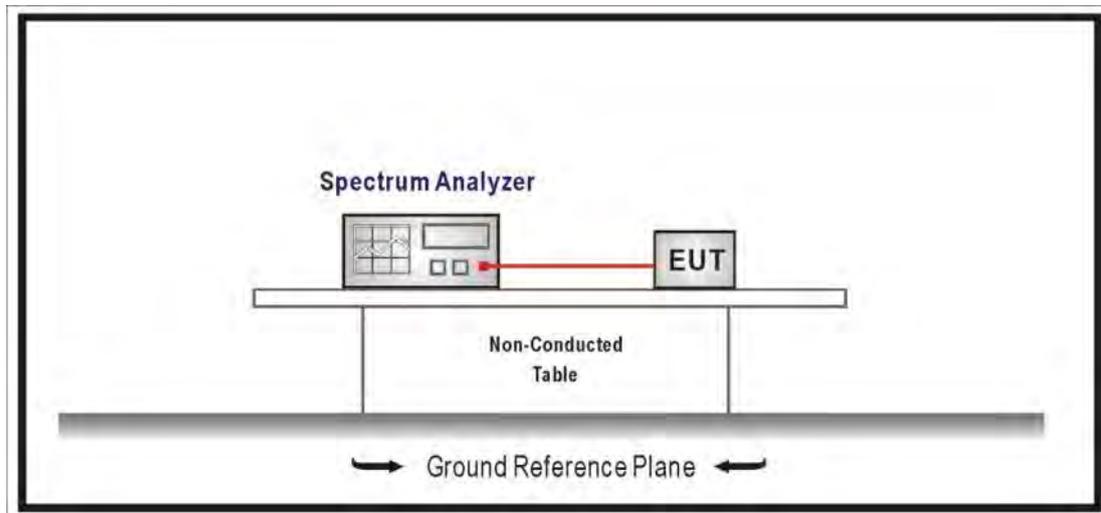
The following test equipment is used during the test:

Power Density / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/08/08

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 v03r05 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.

9.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

9.6. Uncertainty

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

9.7. Test Result

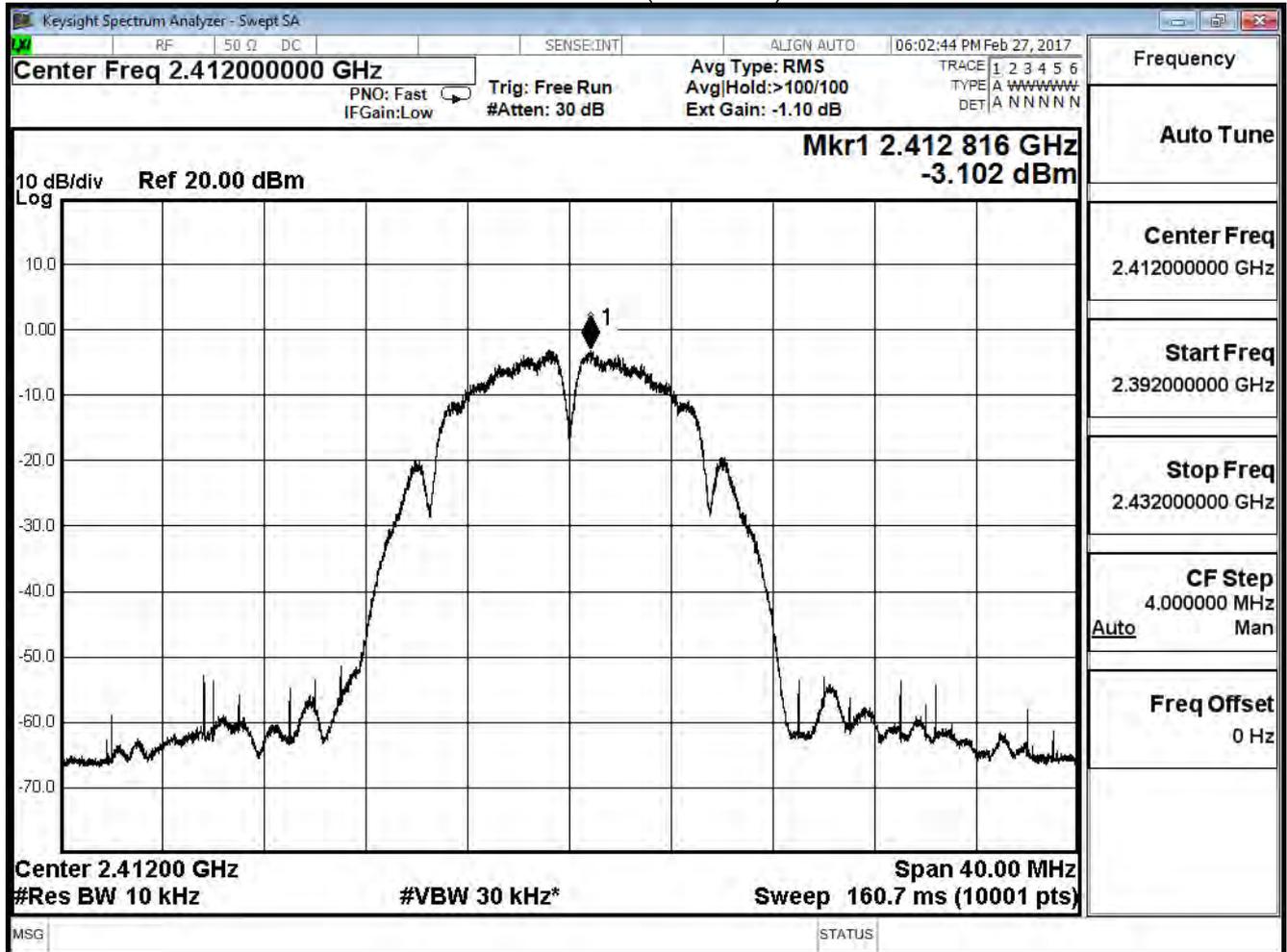
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-3.102	≤ 7.90	Pass
6	2437	0.257	≤ 7.90	Pass
11	2462	-5.306	≤ 7.90	Pass

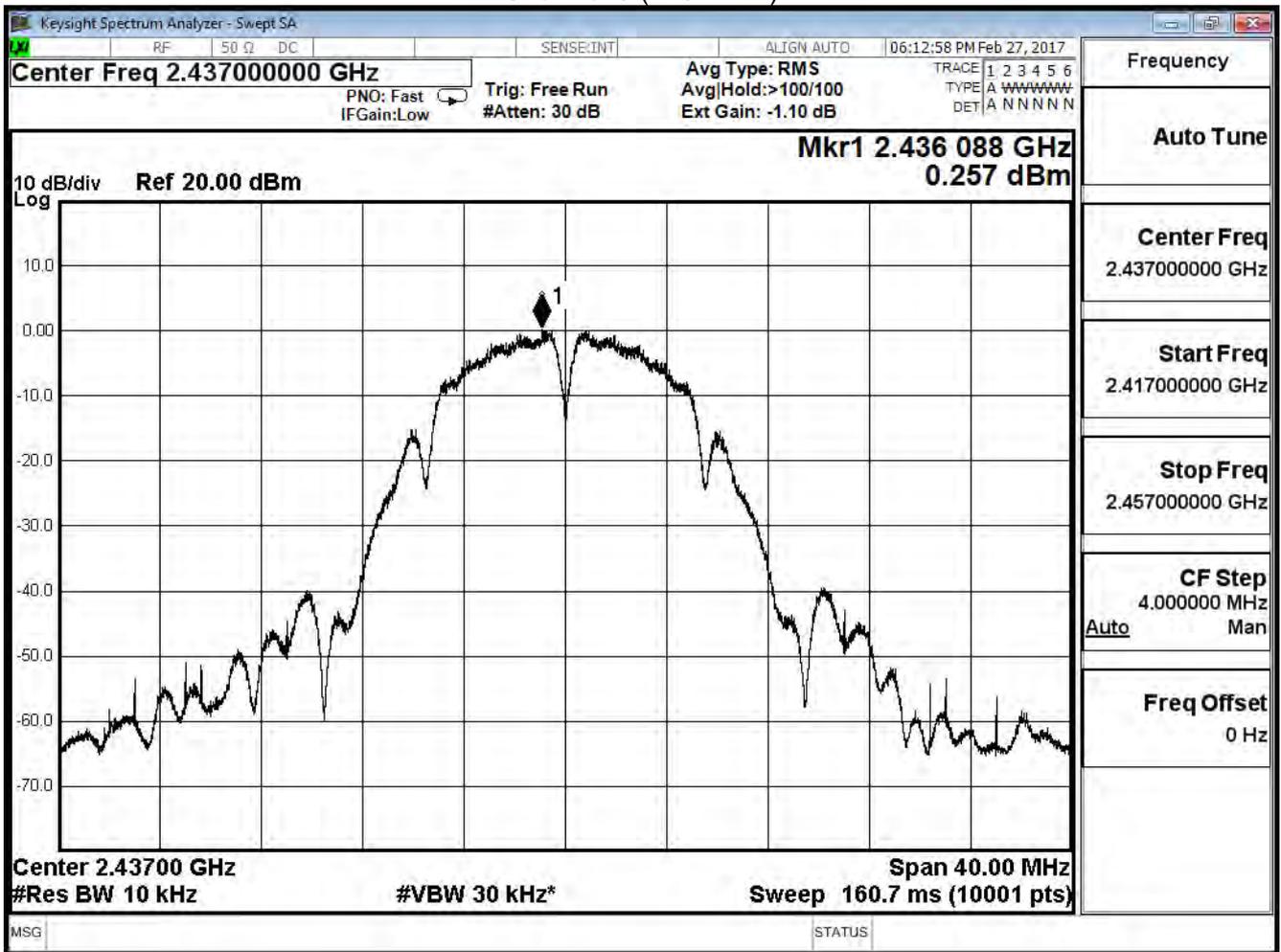
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

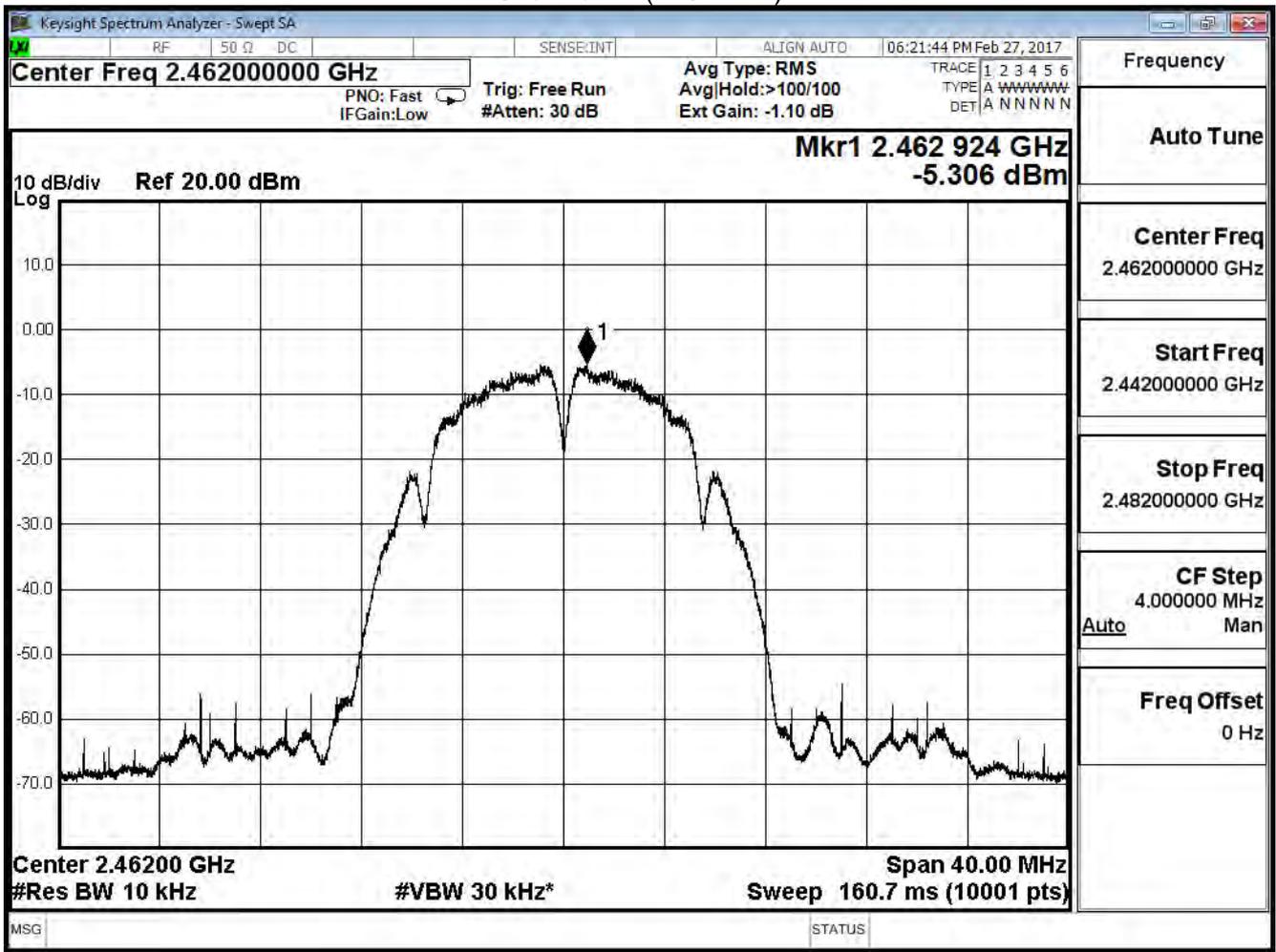
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



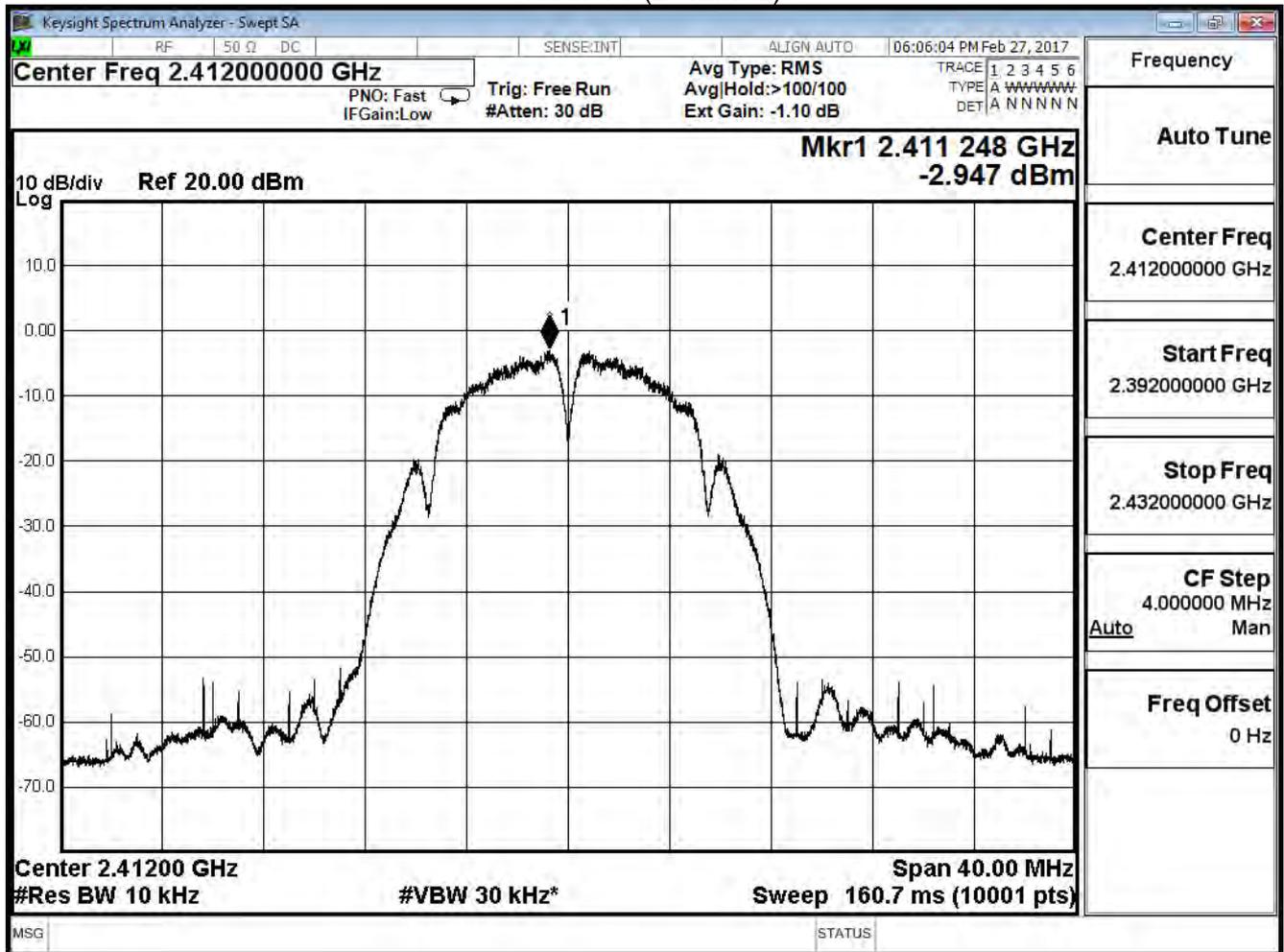
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-2.947	≤ 7.90	Pass
6	2437	0.350	≤ 7.90	Pass
11	2462	-5.197	≤ 7.90	Pass

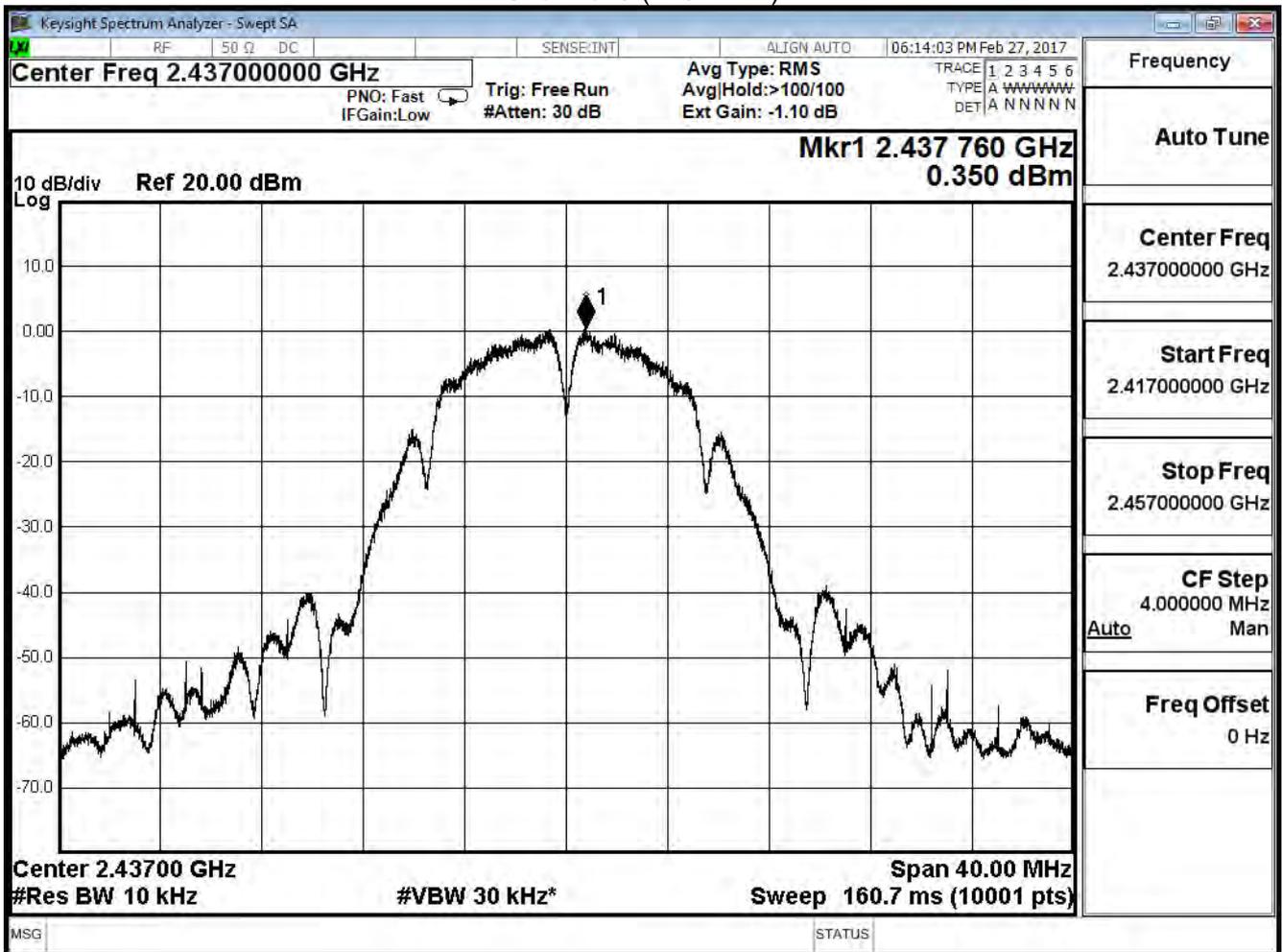
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

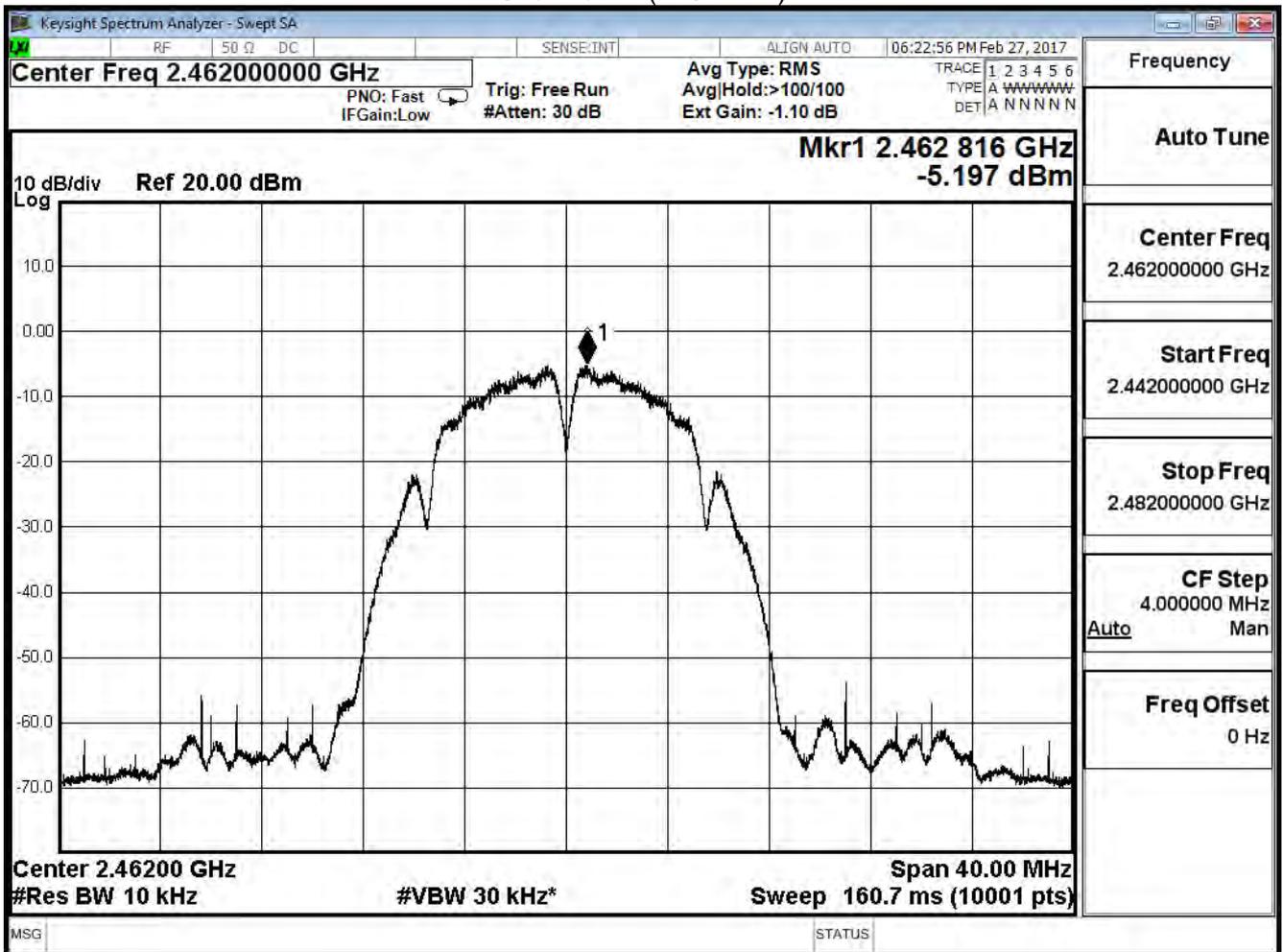
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



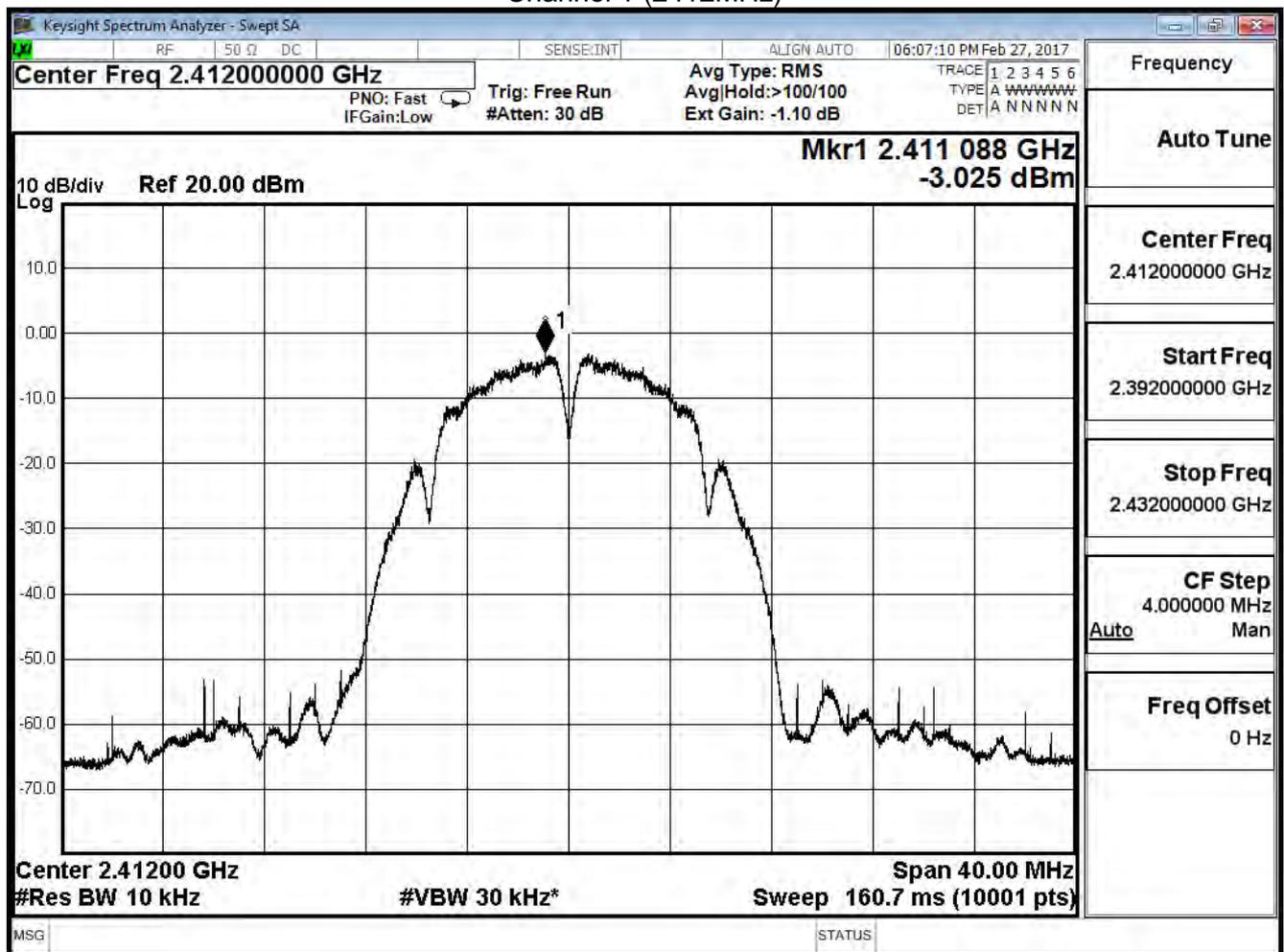
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11b (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-3.025	≤ 7.90	Pass
6	2437	0.136	≤ 7.90	Pass
11	2462	-5.013	≤ 7.90	Pass

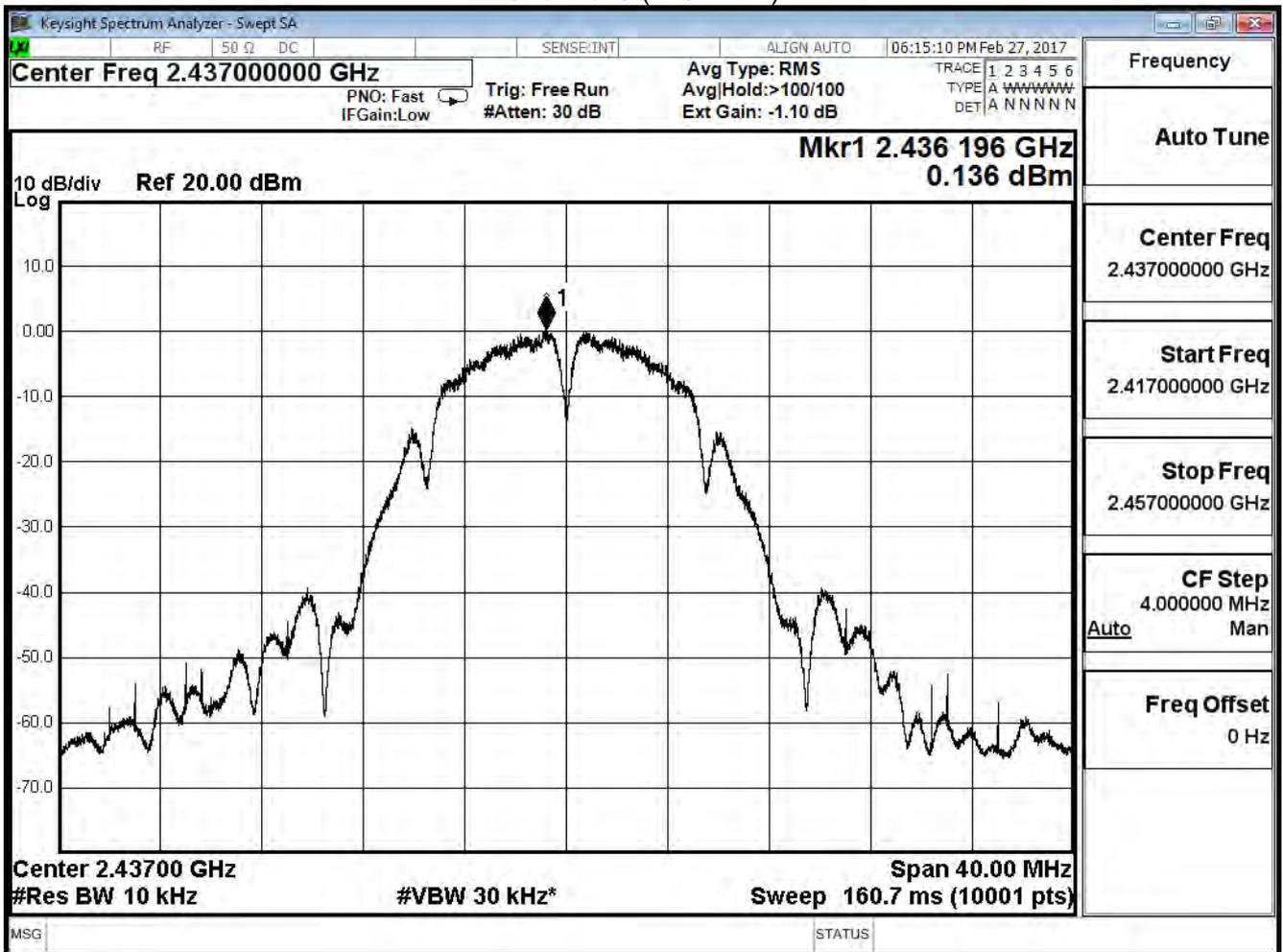
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

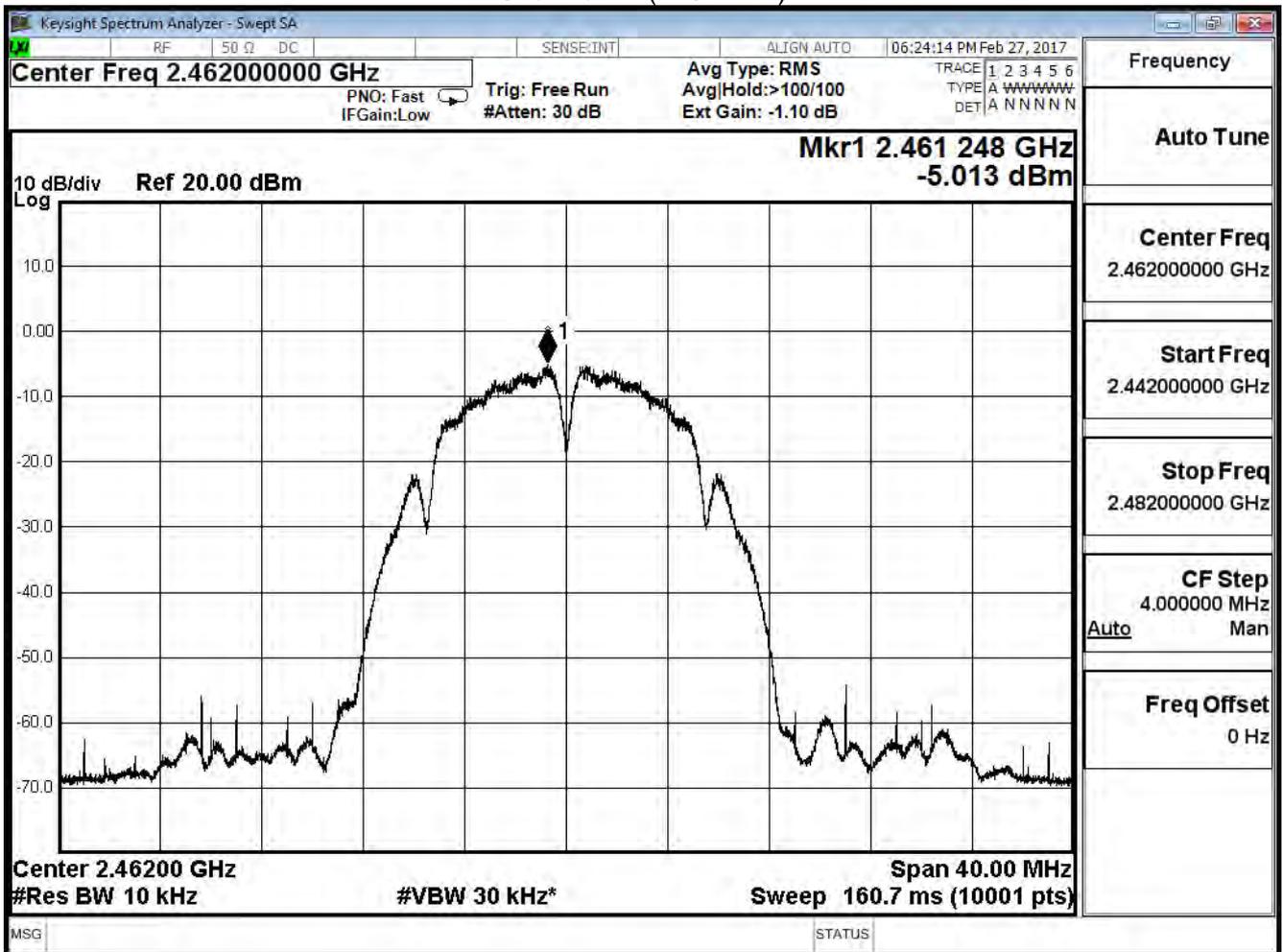
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11b (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	1.747	≤ 7.90	Pass
6	2437	5.020	≤ 7.90	Pass
11	2462	-15.516	≤ 7.90	Pass

Directional gain= $10\log(\text{ANT N})+\text{Gain}=4.77+1.33=6.1$

Limit = $8\text{dBm}-(6.1\text{dBi}-6\text{dBi})=7.90\text{dBm}$

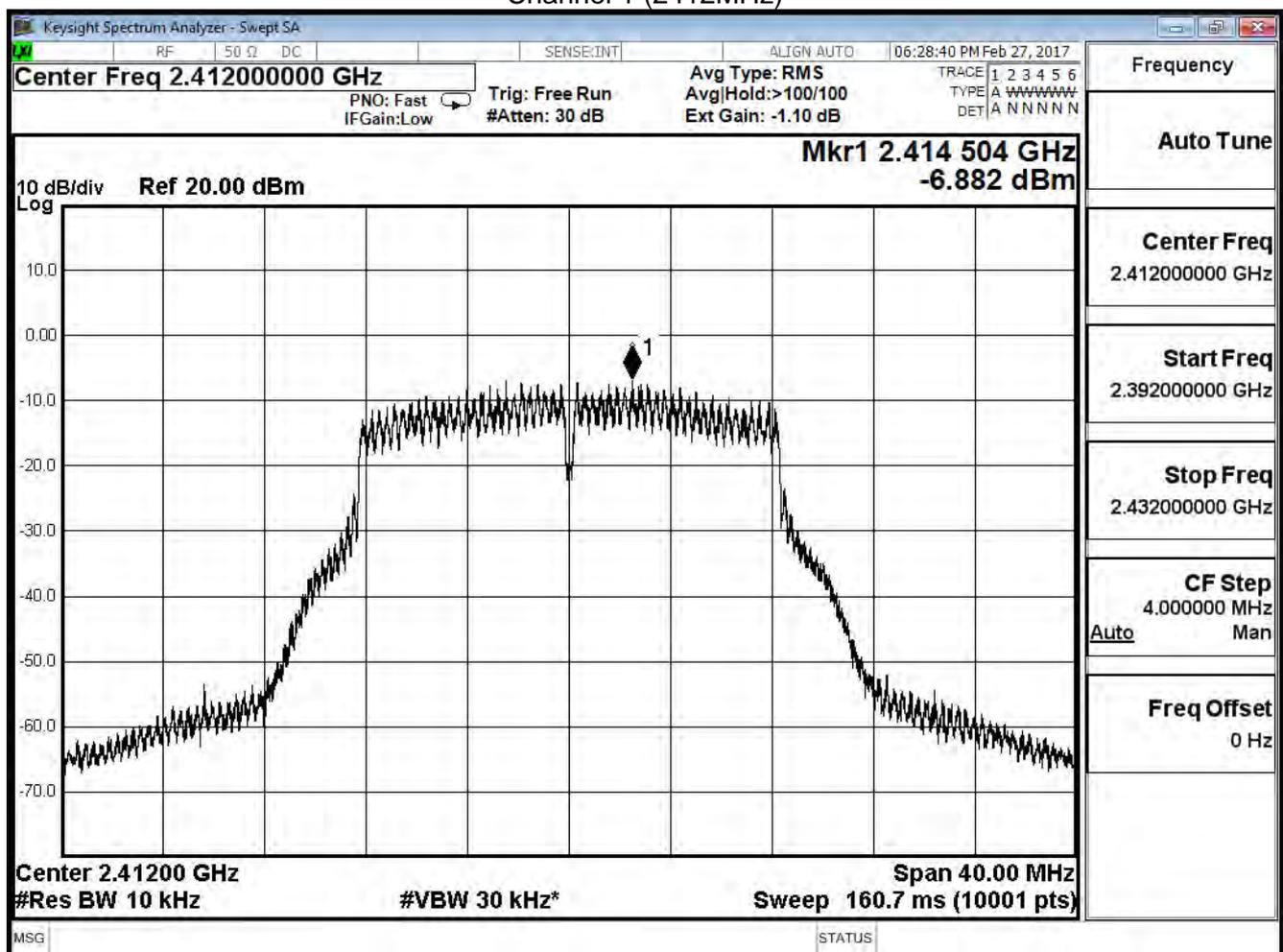
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-6.882	≤ 7.90	Pass
6	2437	-0.419	≤ 7.90	Pass
11	2462	-10.002	≤ 7.90	Pass

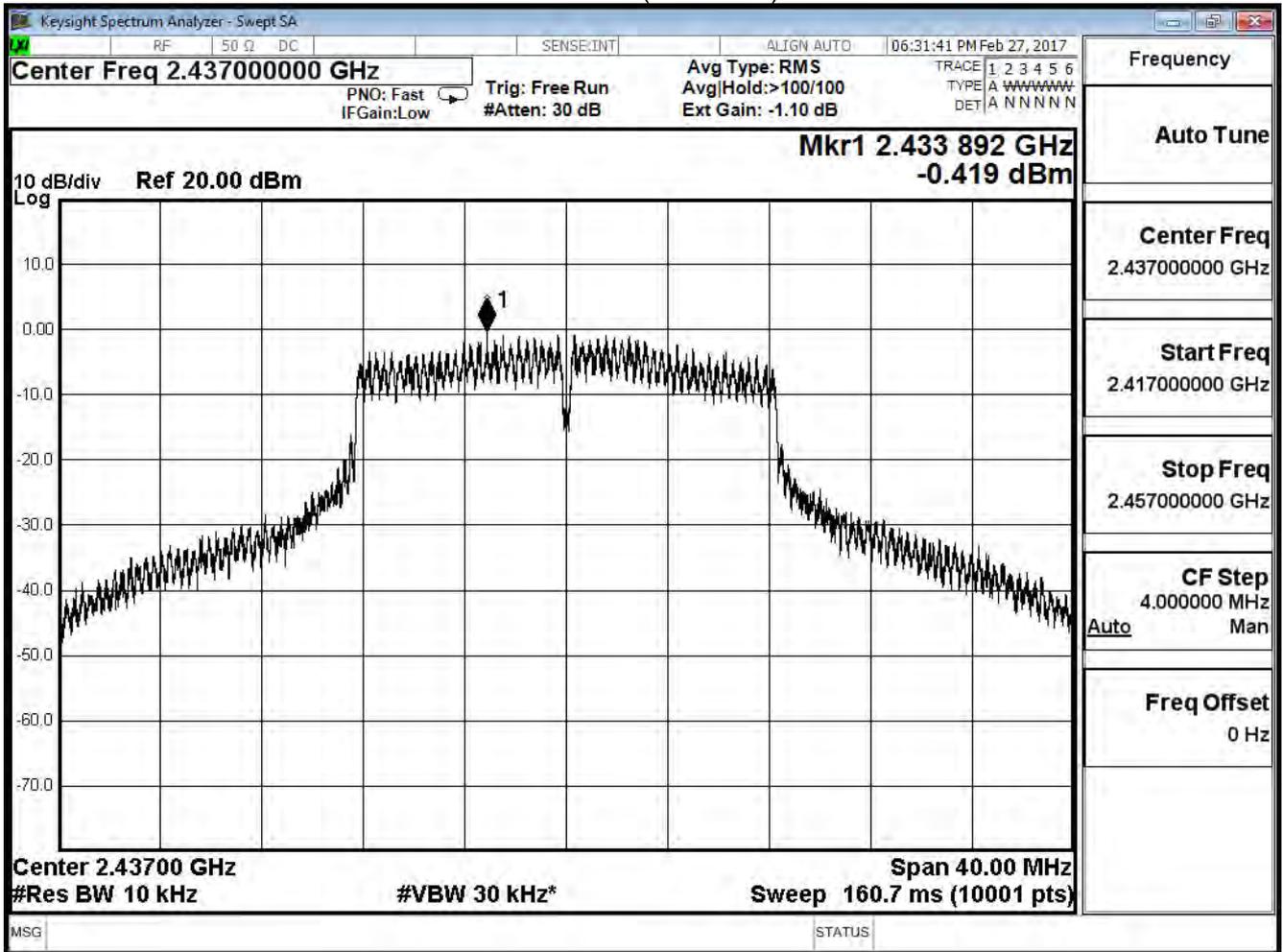
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

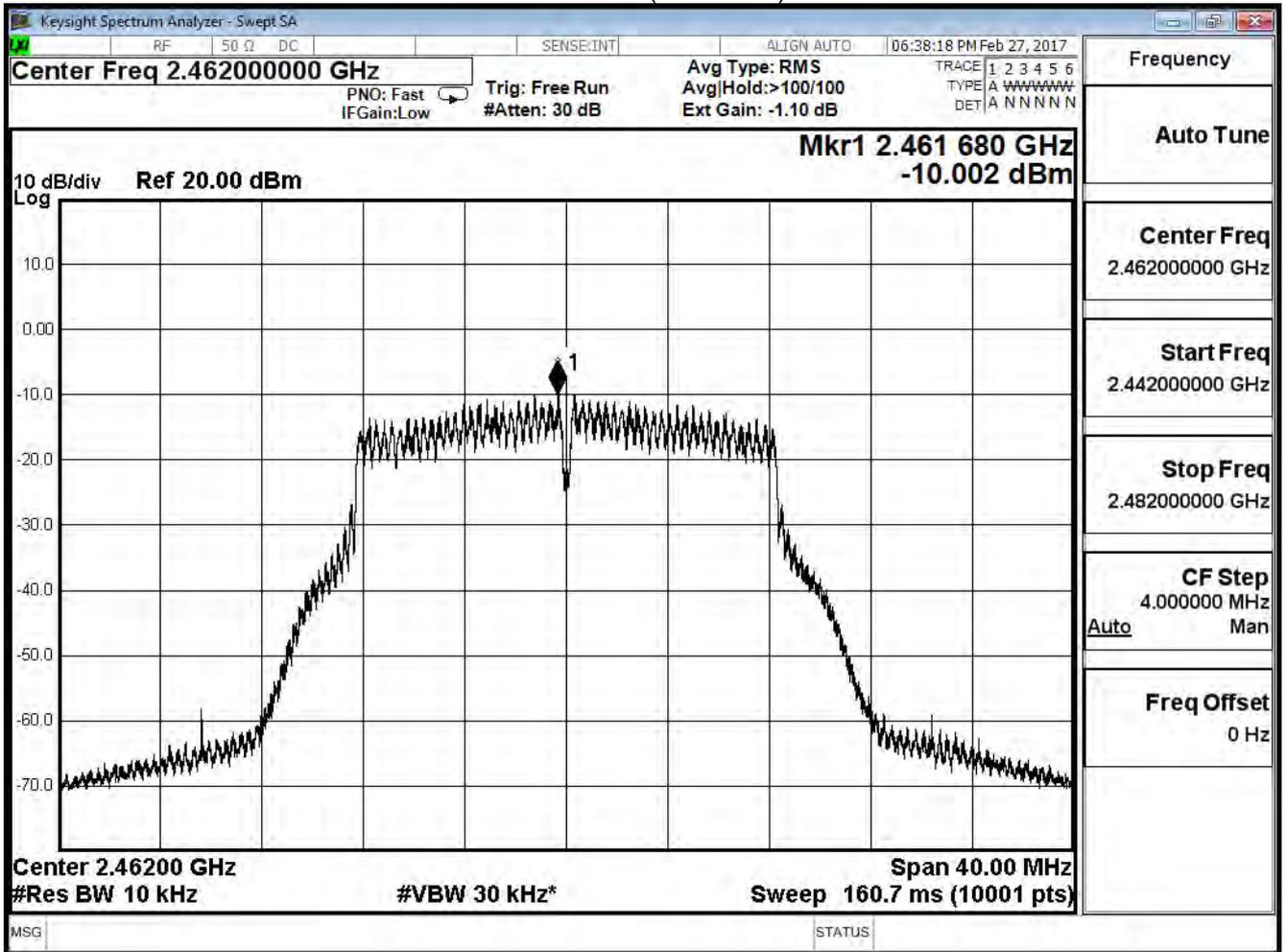
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



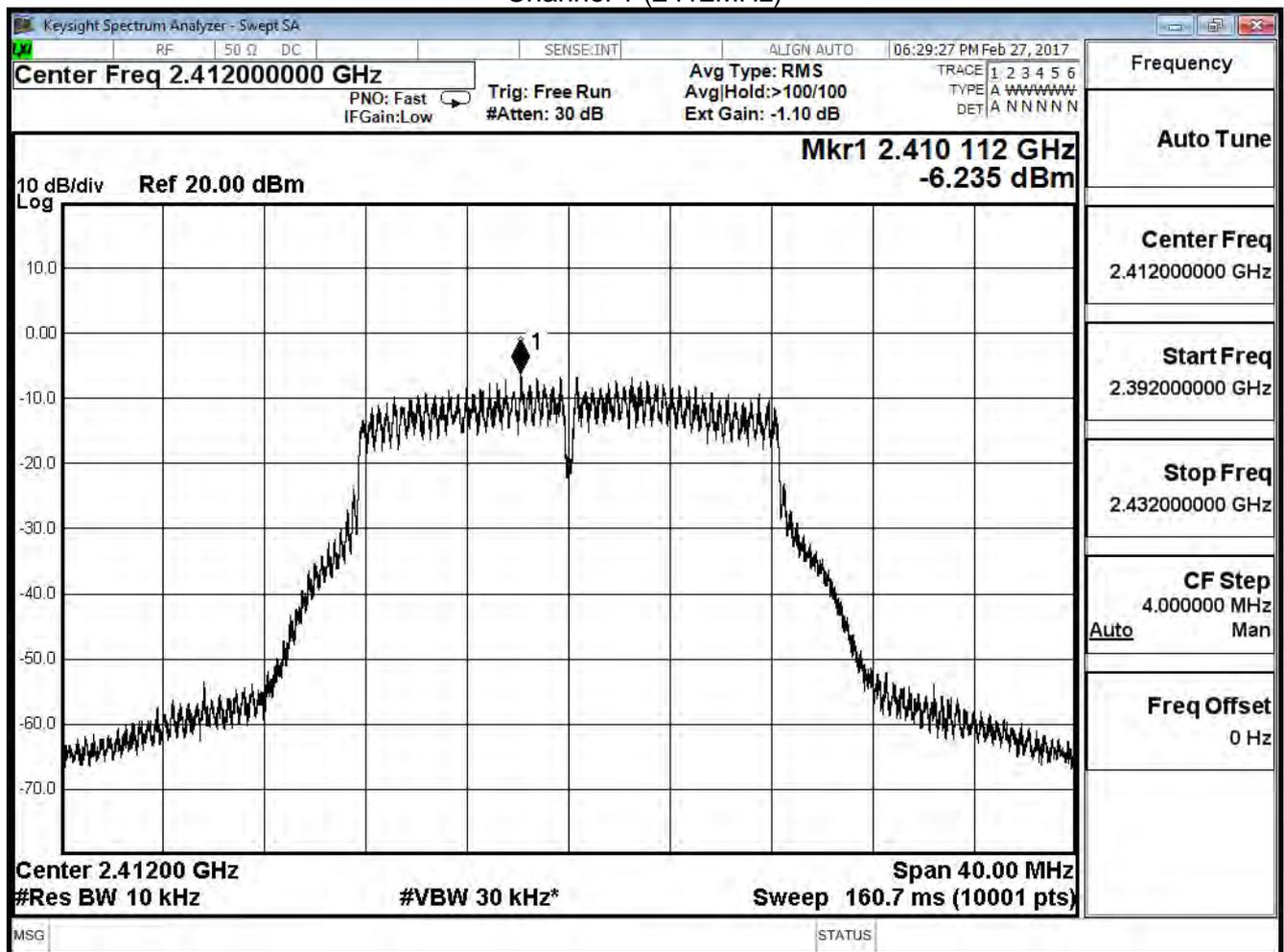
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-6.235	≤ 7.90	Pass
6	2437	-0.536	≤ 7.90	Pass
11	2462	-9.741	≤ 7.90	Pass

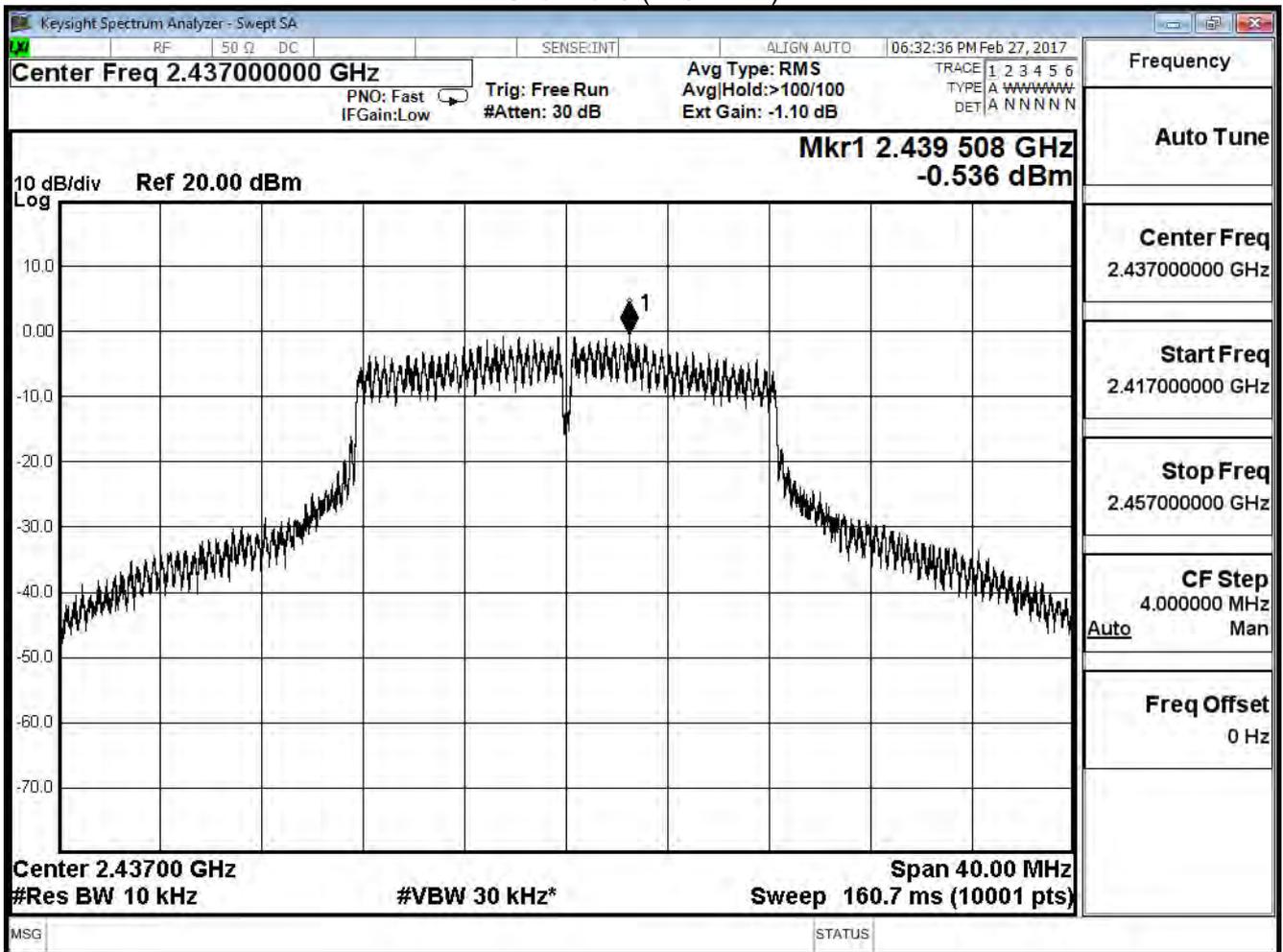
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

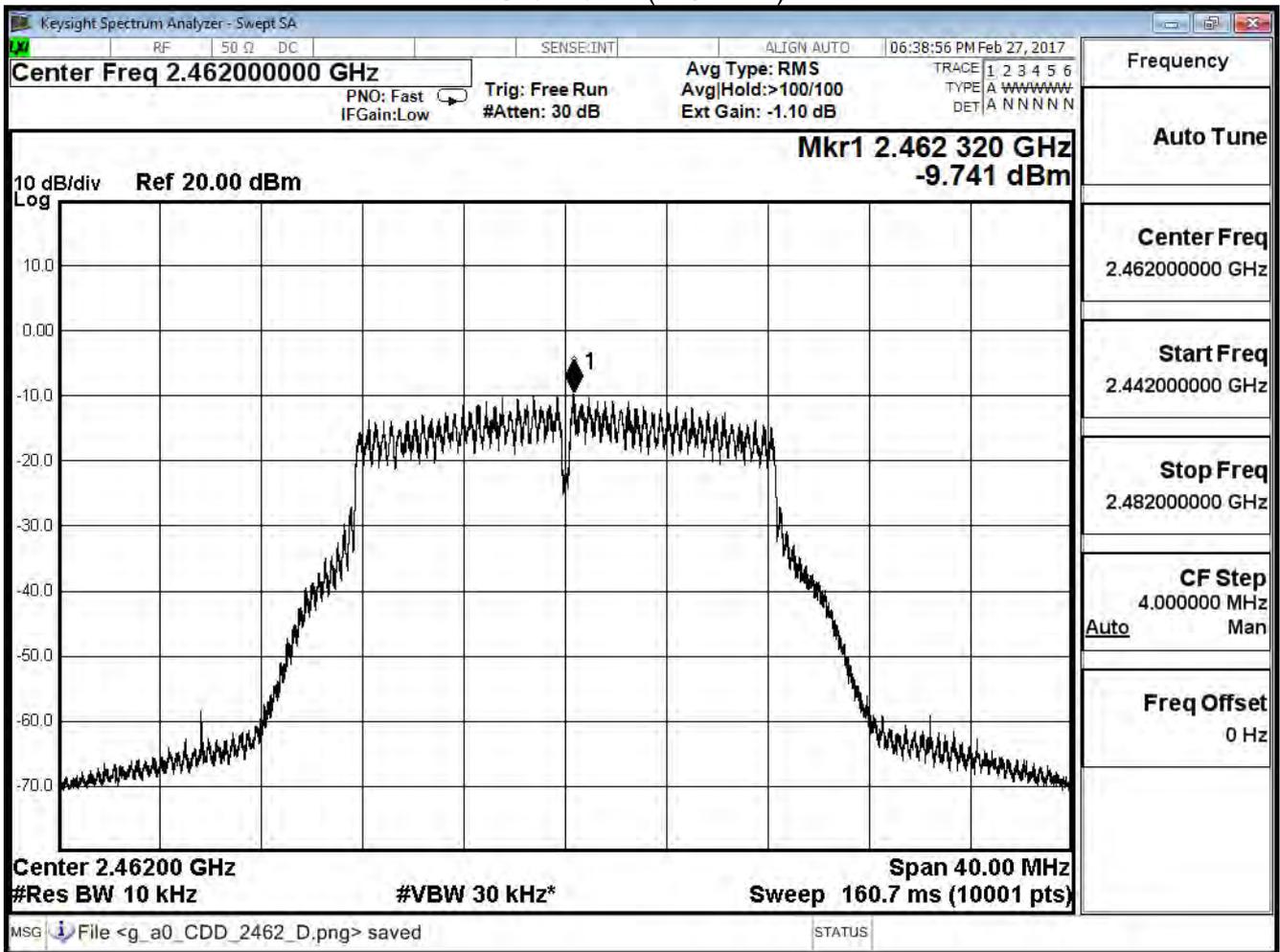
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



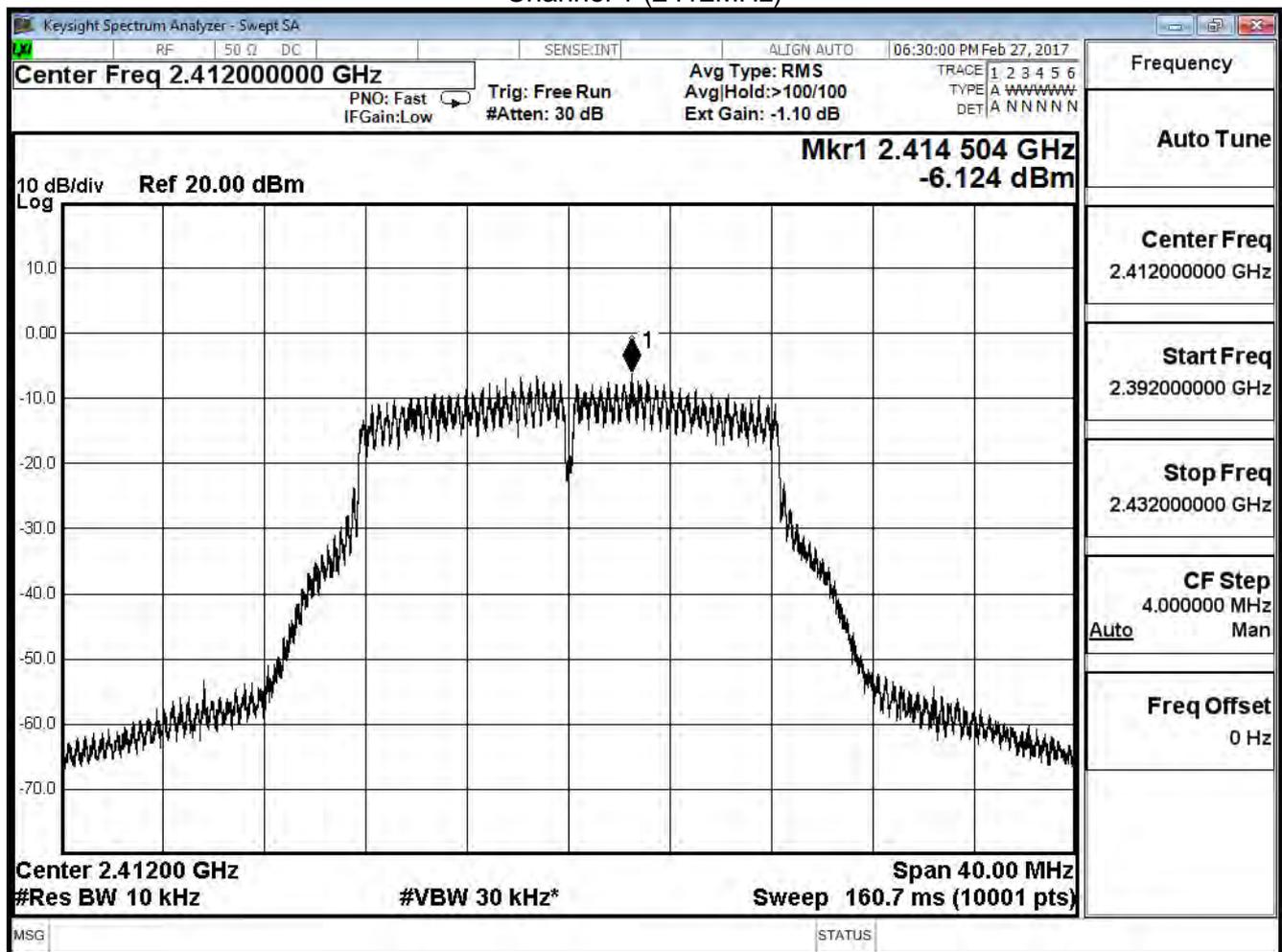
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11g (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-6.124	≤ 7.90	Pass
6	2437	-0.640	≤ 7.90	Pass
11	2462	-9.888	≤ 7.90	Pass

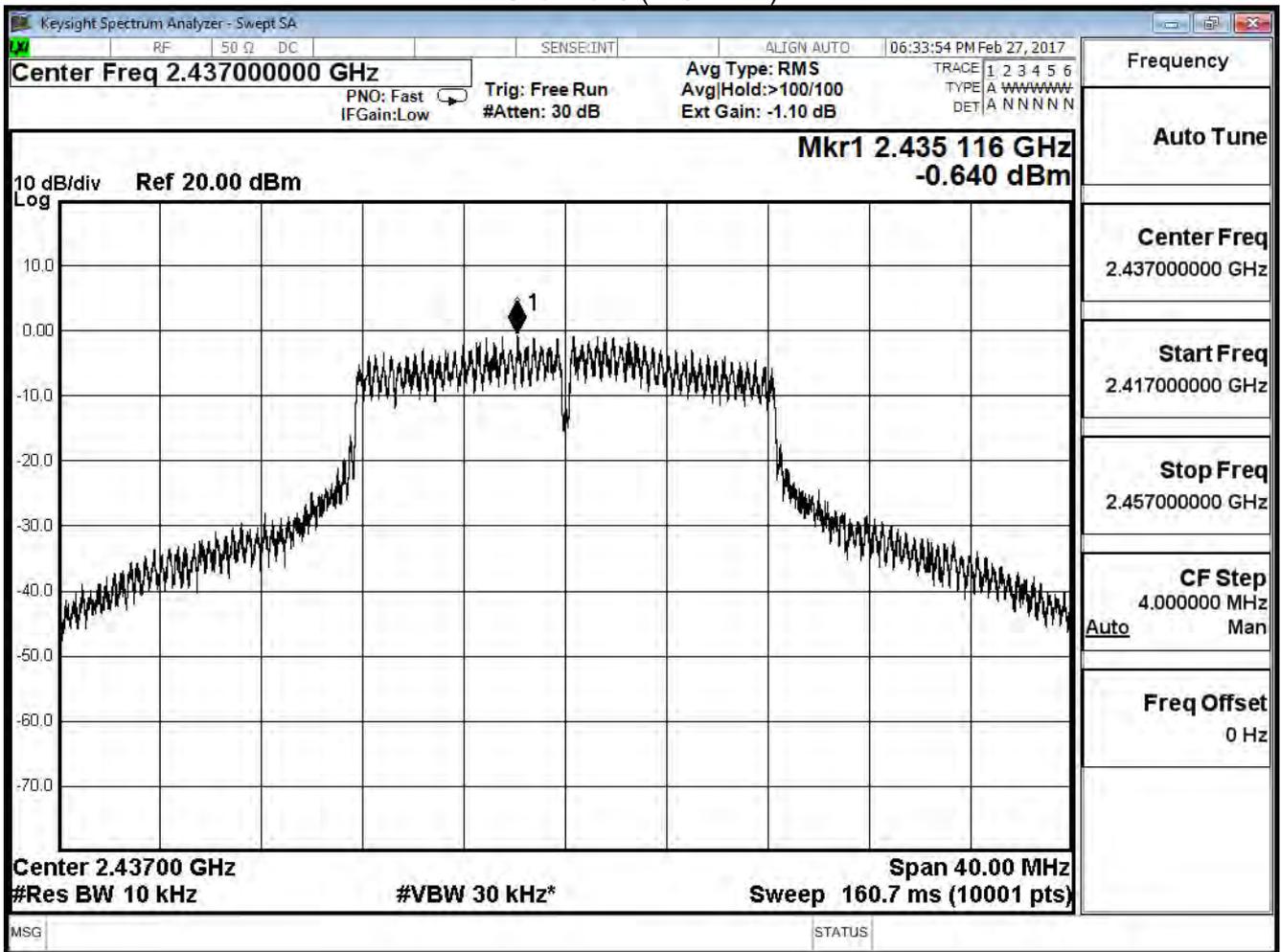
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

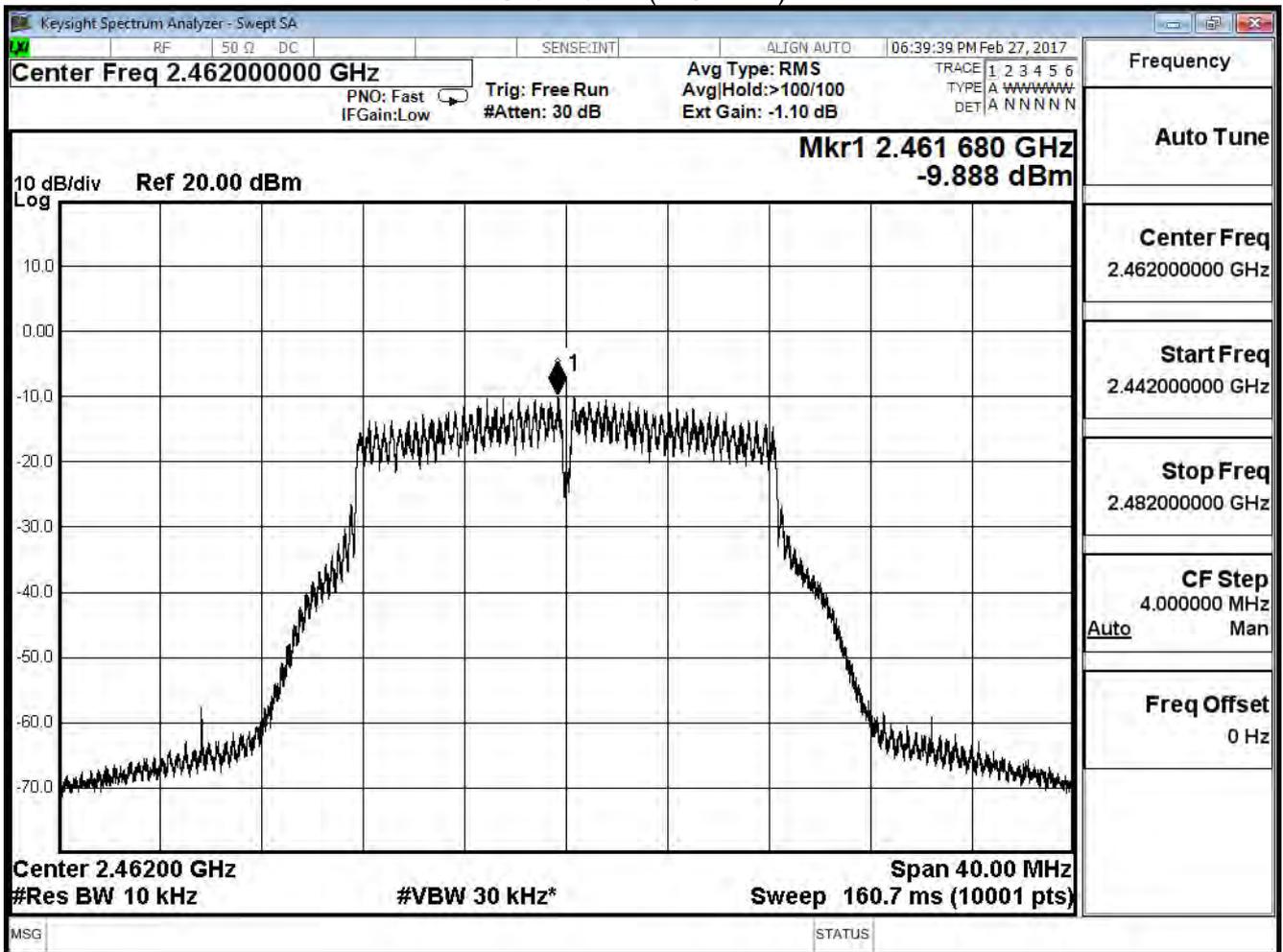
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 b/g)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE 802.11g (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-1.630	≤ 7.90	Pass
6	2437	4.240	≤ 7.90	Pass
11	2462	-5.104	≤ 7.90	Pass

Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

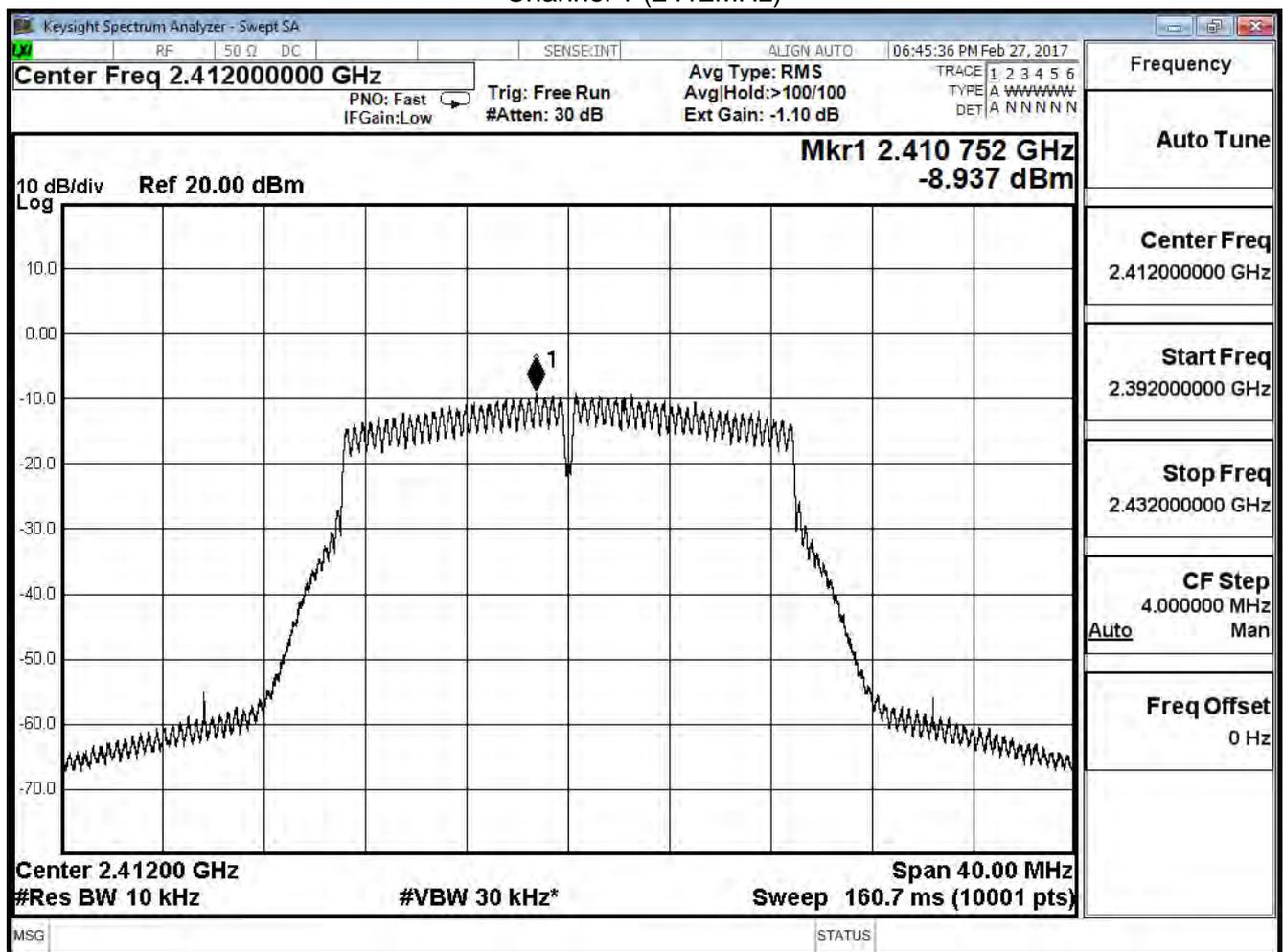
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-8.937	≤ 7.90	Pass
6	2437	-2.375	≤ 7.90	Pass
11	2462	-11.353	≤ 7.90	Pass

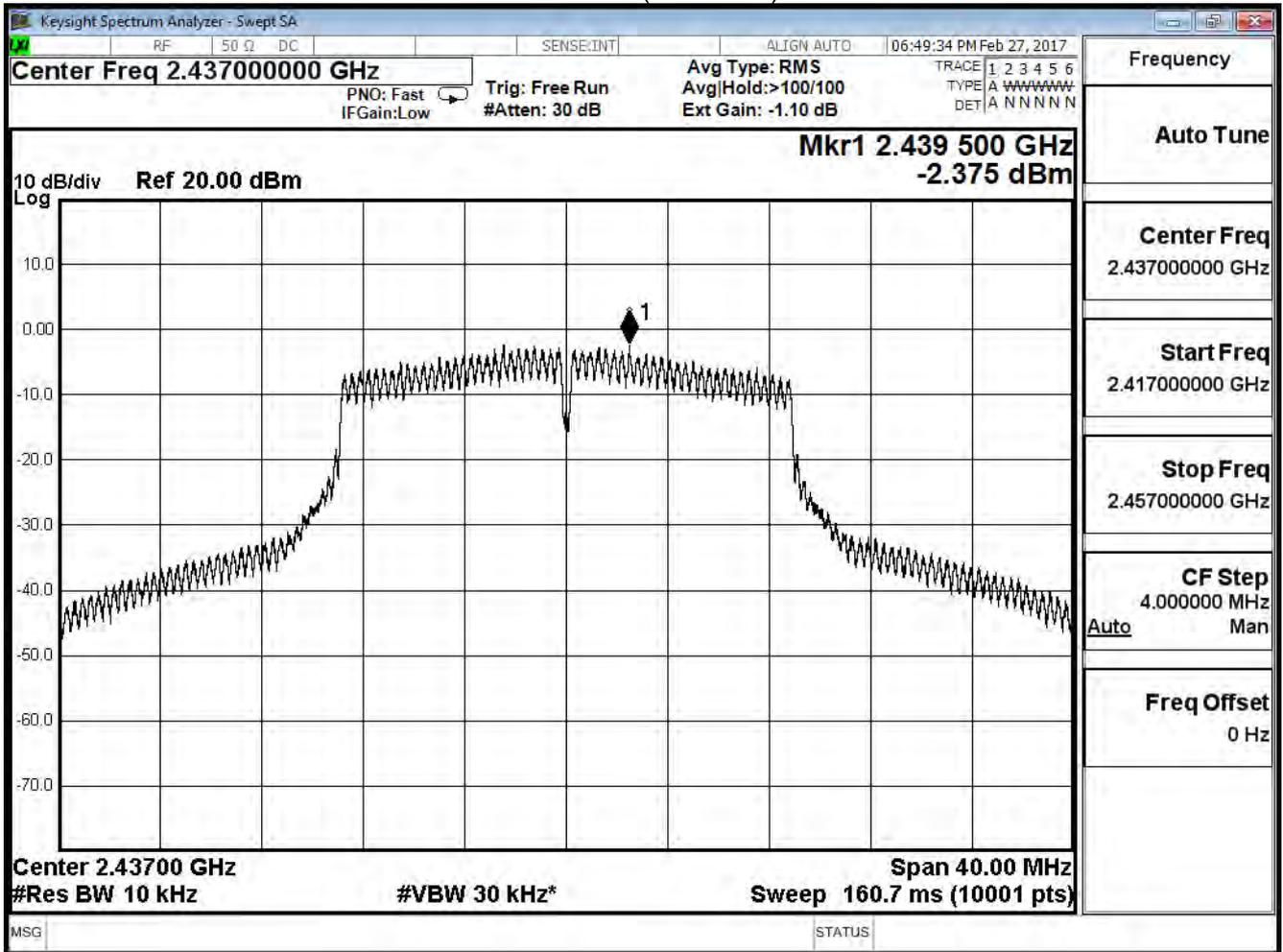
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

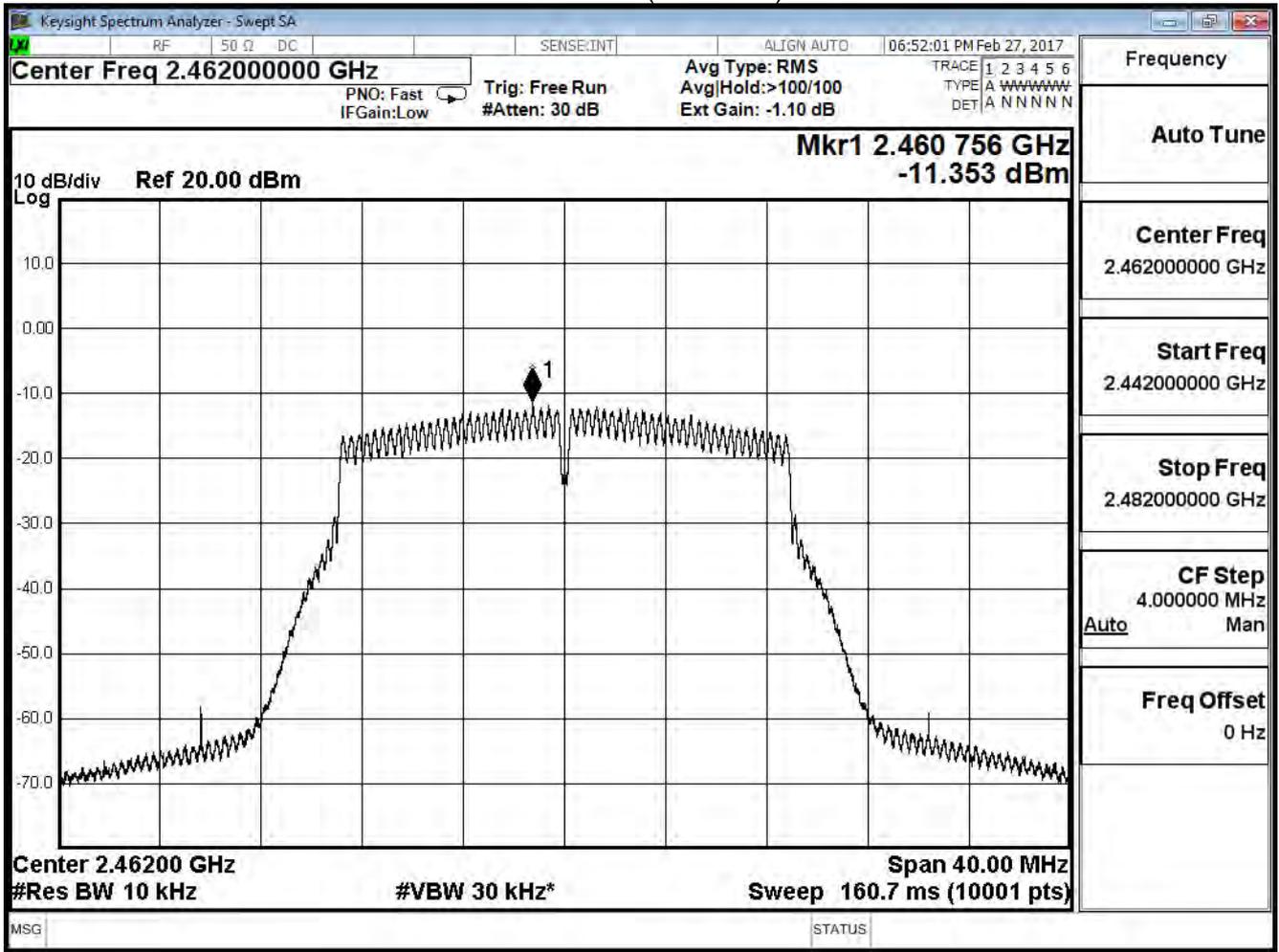
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

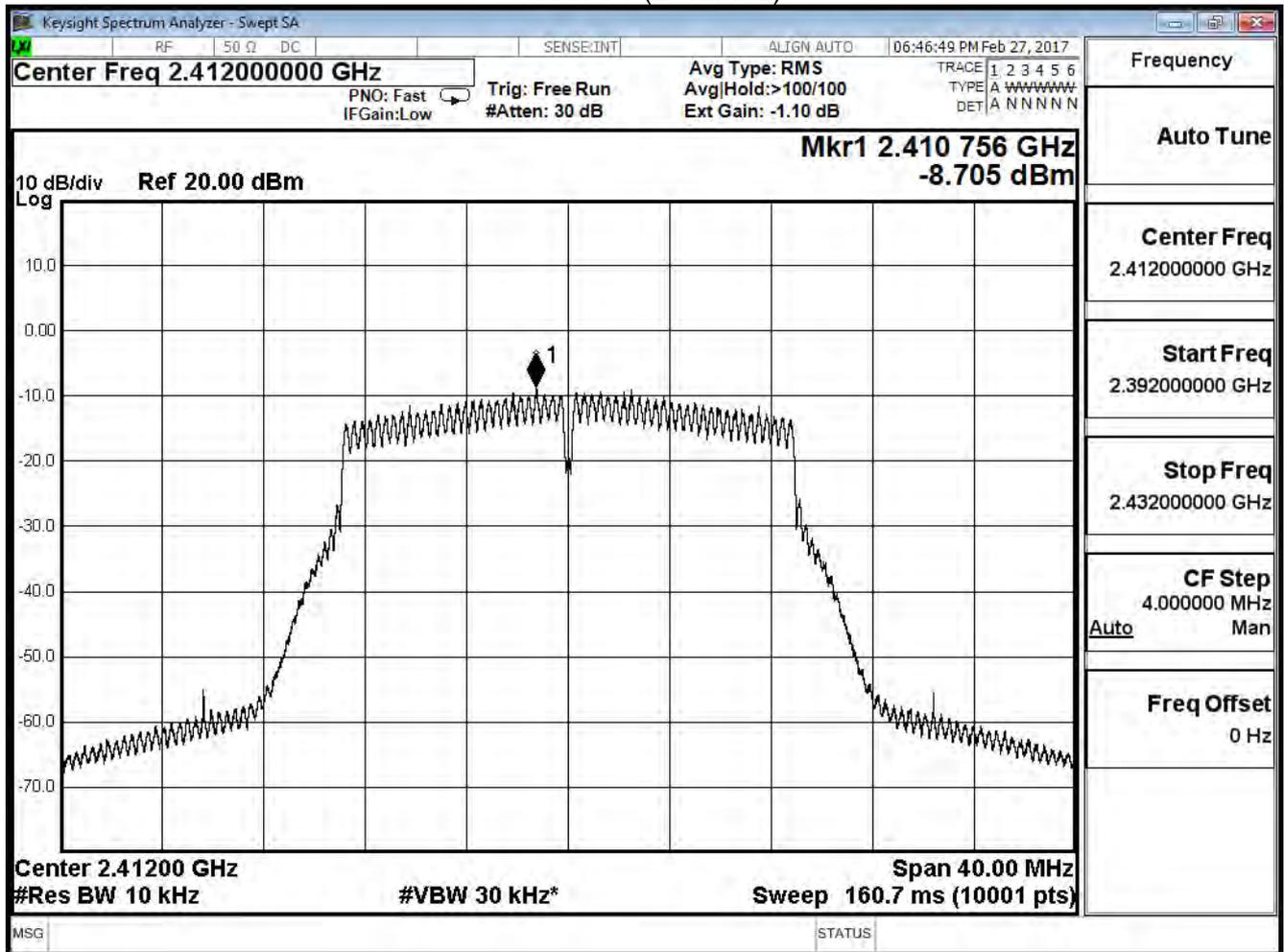
IEEE802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-8.705	≤ 7.90	Pass
6	2437	-2.514	≤ 7.90	Pass
11	2462	-11.601	≤ 7.90	Pass

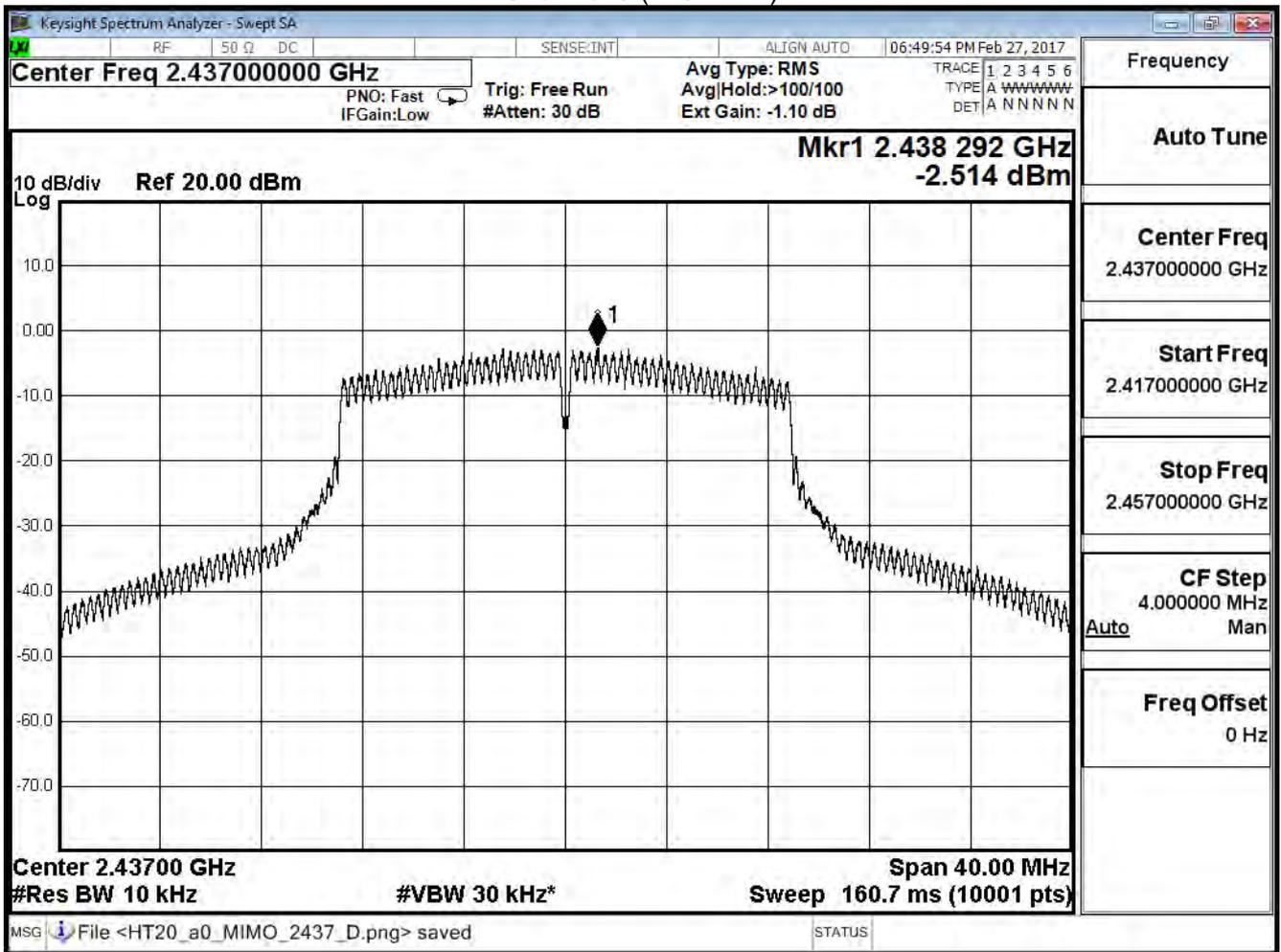
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

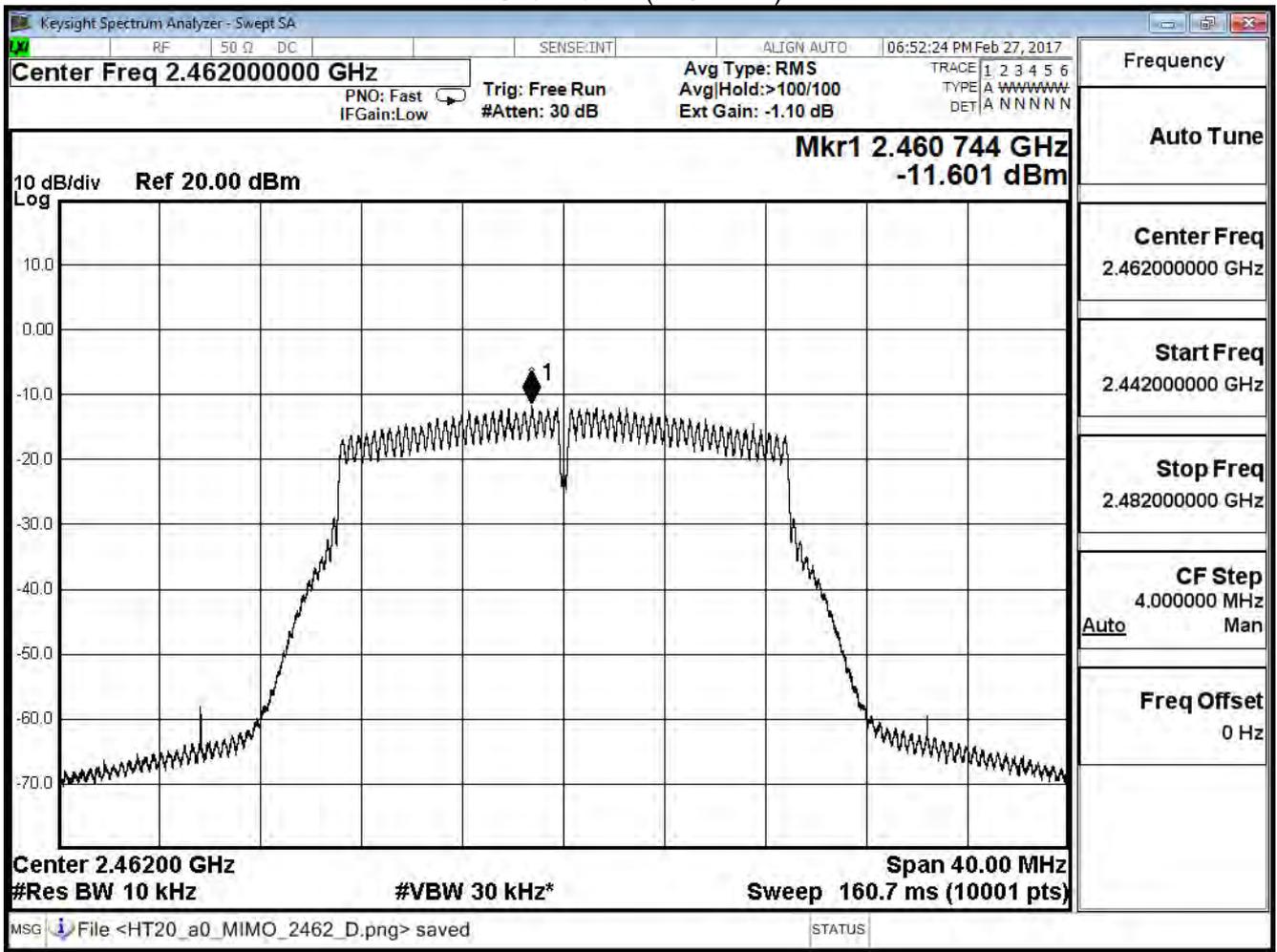
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



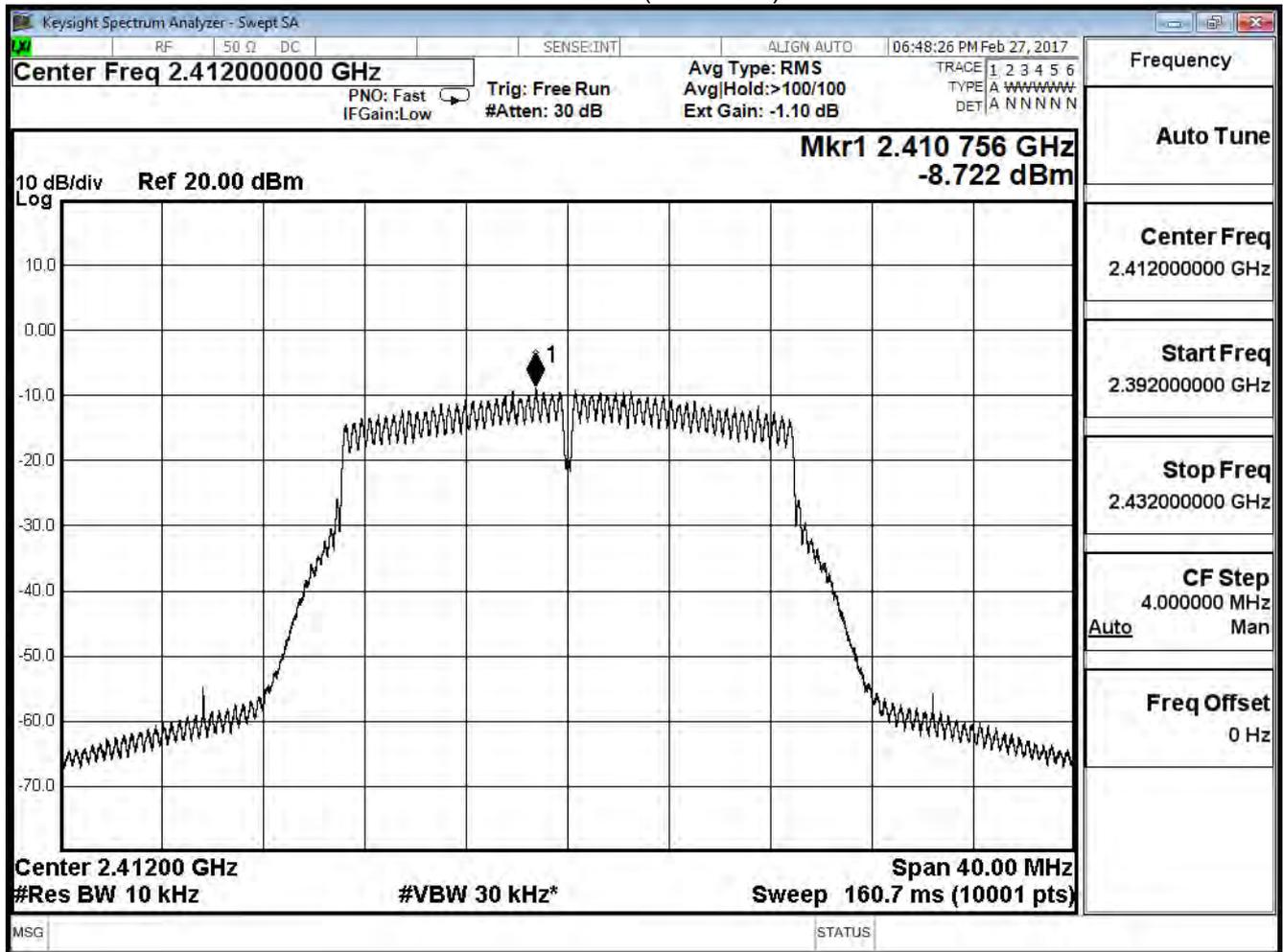
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-8.722	≤ 7.90	Pass
6	2437	-1.888	≤ 7.90	Pass
11	2462	-11.105	≤ 7.90	Pass

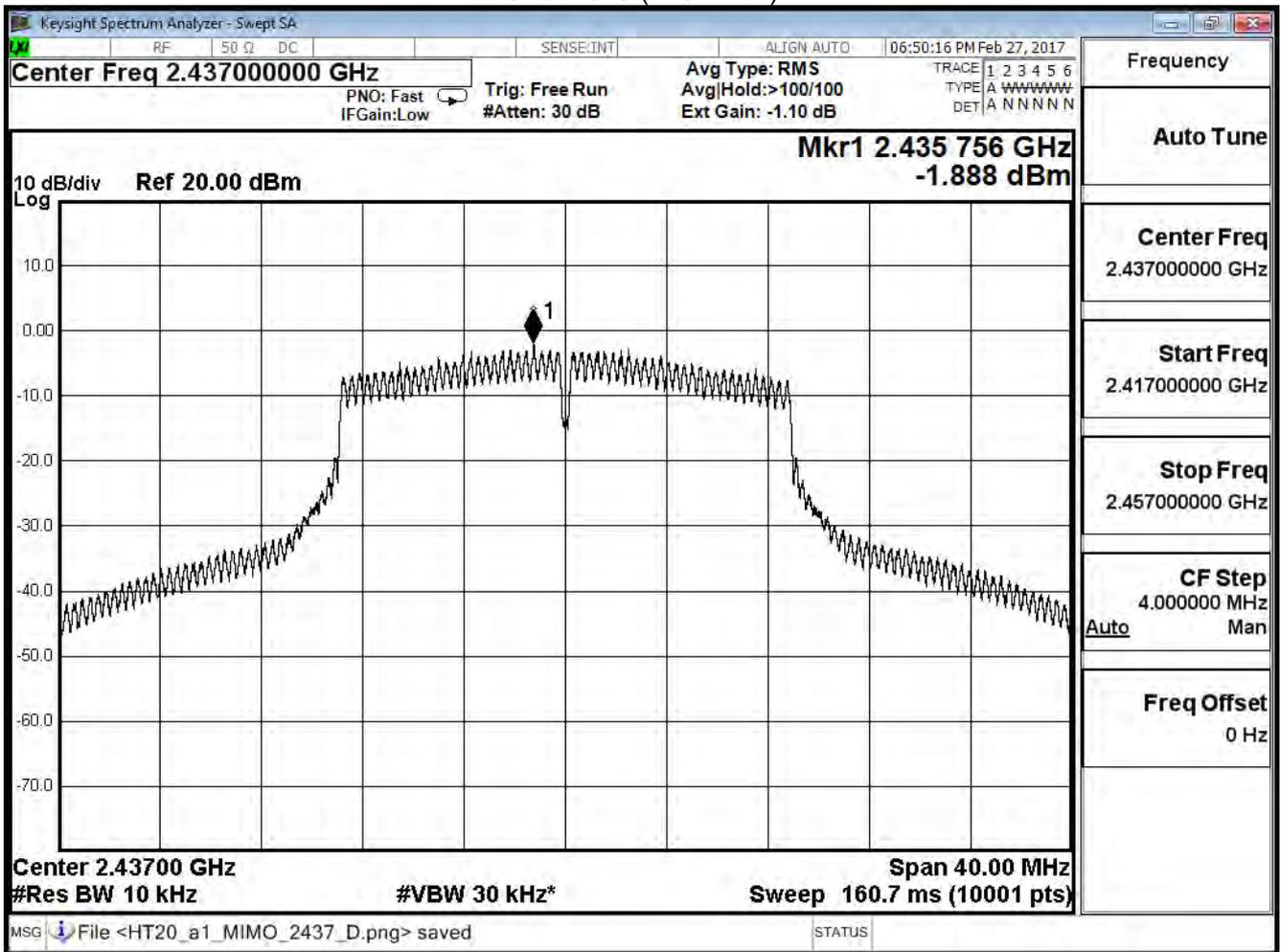
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

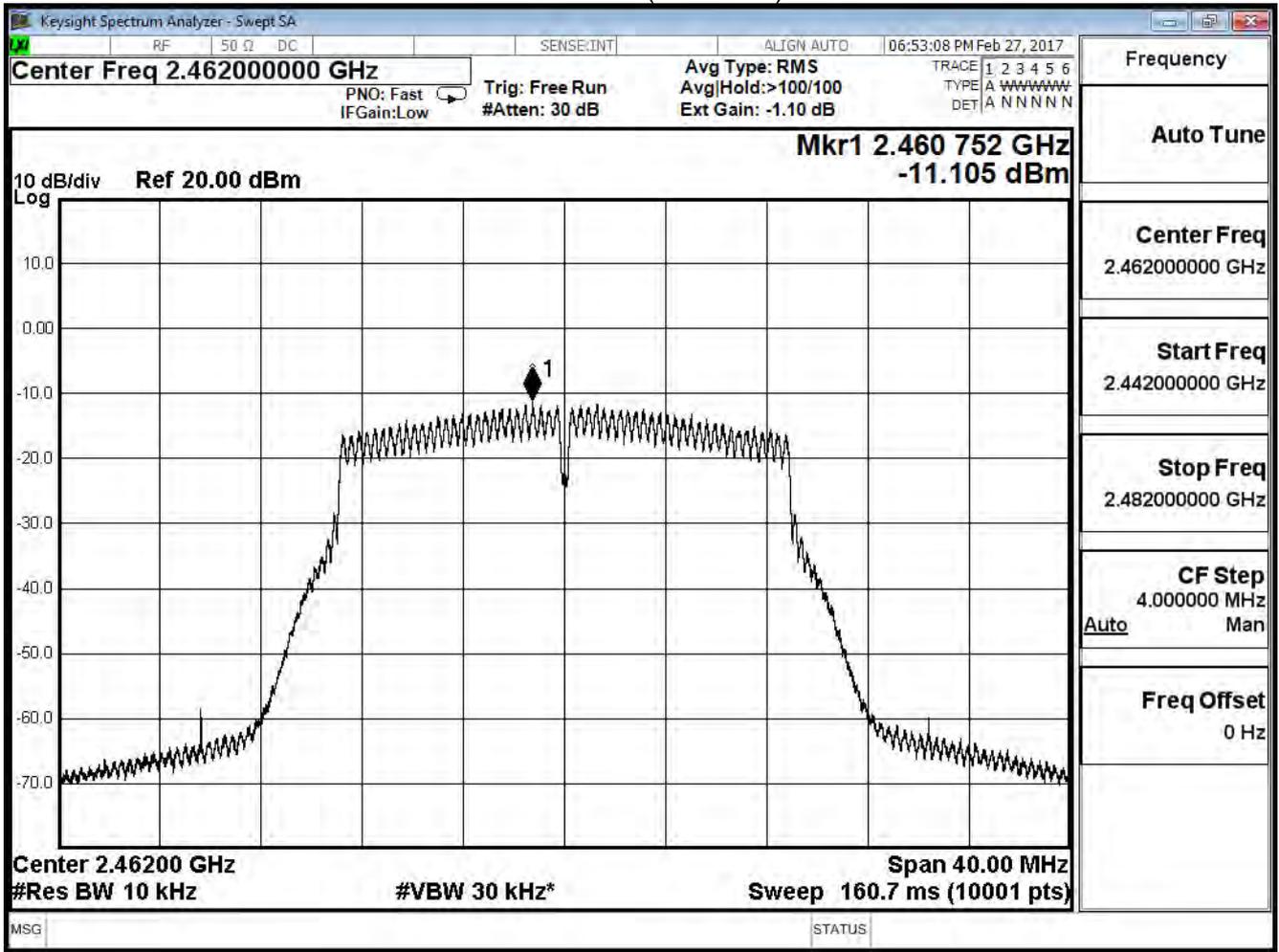
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-4.016	≤ 7.90	Pass
6	2437	2.521	≤ 7.90	Pass
11	2462	-6.577	≤ 7.90	Pass

Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

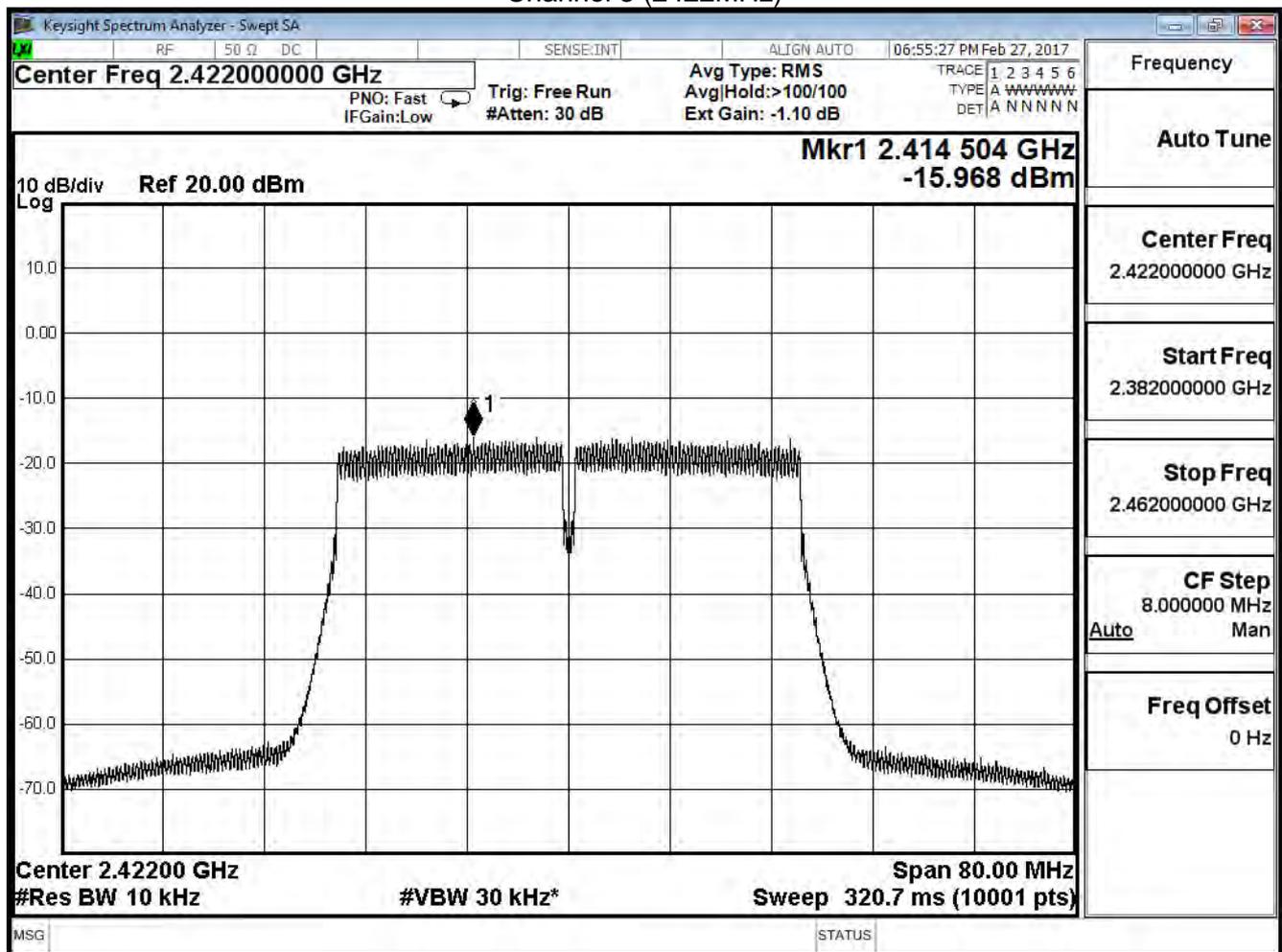
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-15.968	≤ 7.90	Pass
6	2437	-15.207	≤ 7.90	Pass
9	2452	-19.168	≤ 7.90	Pass

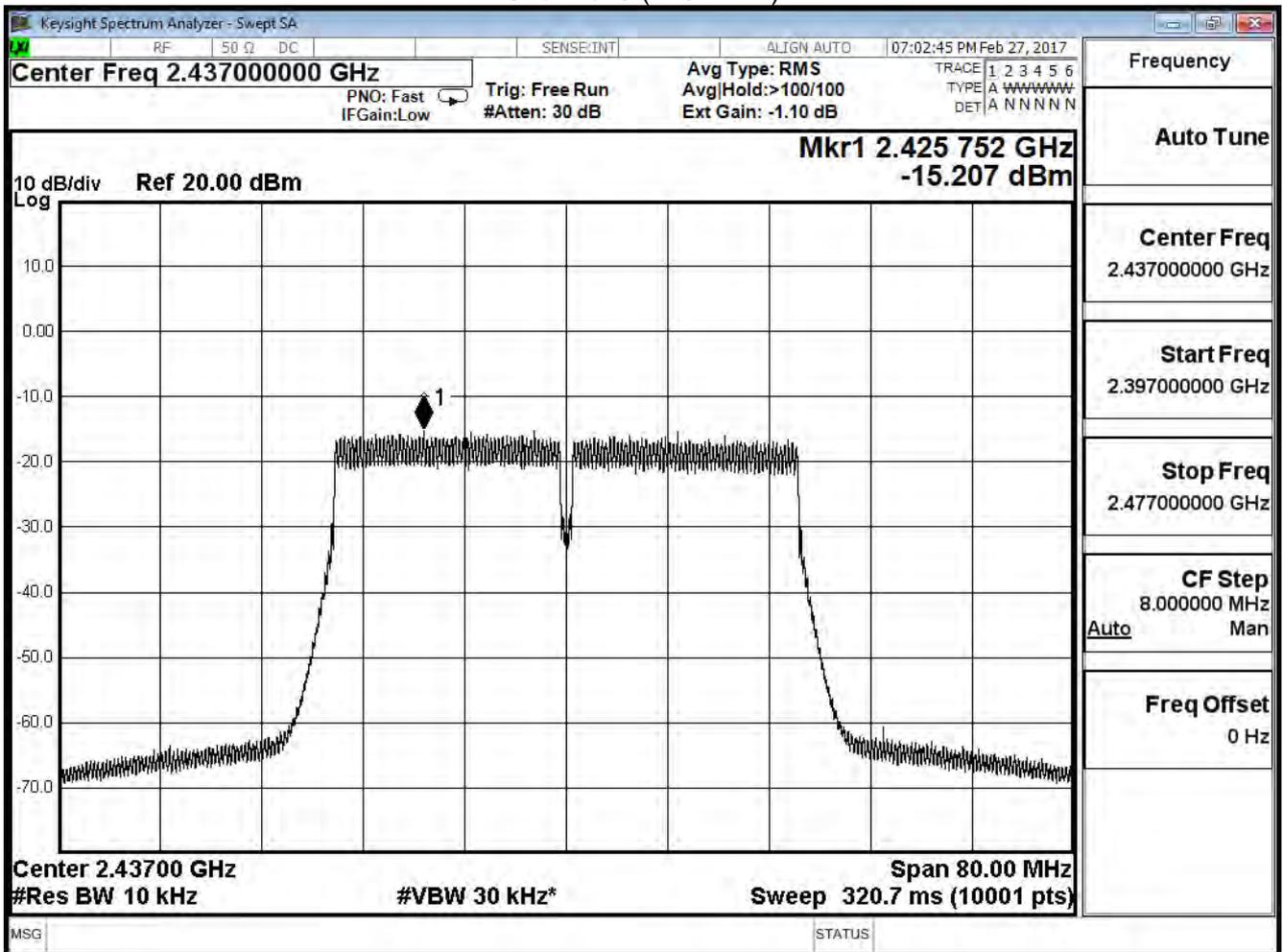
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

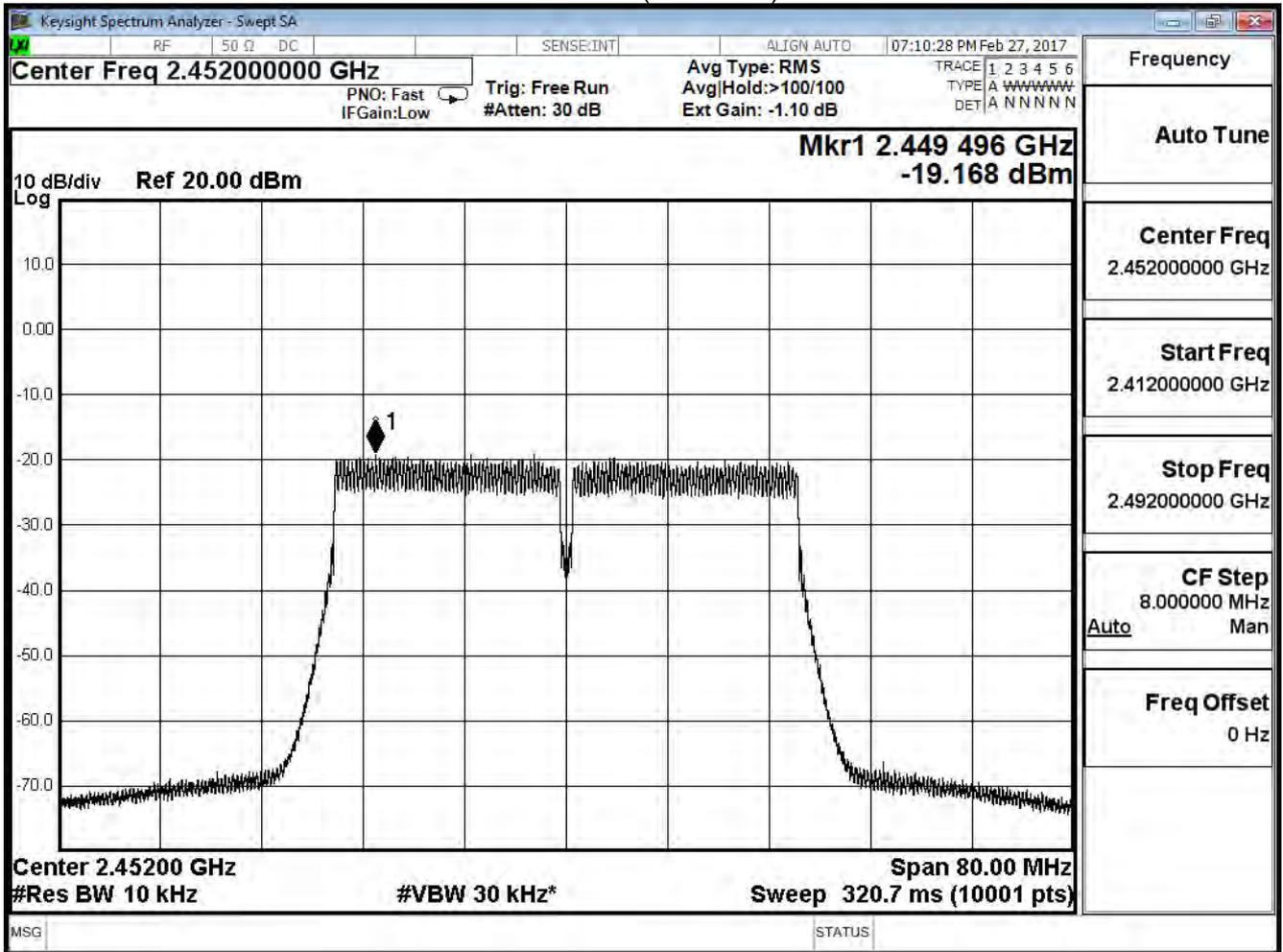
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

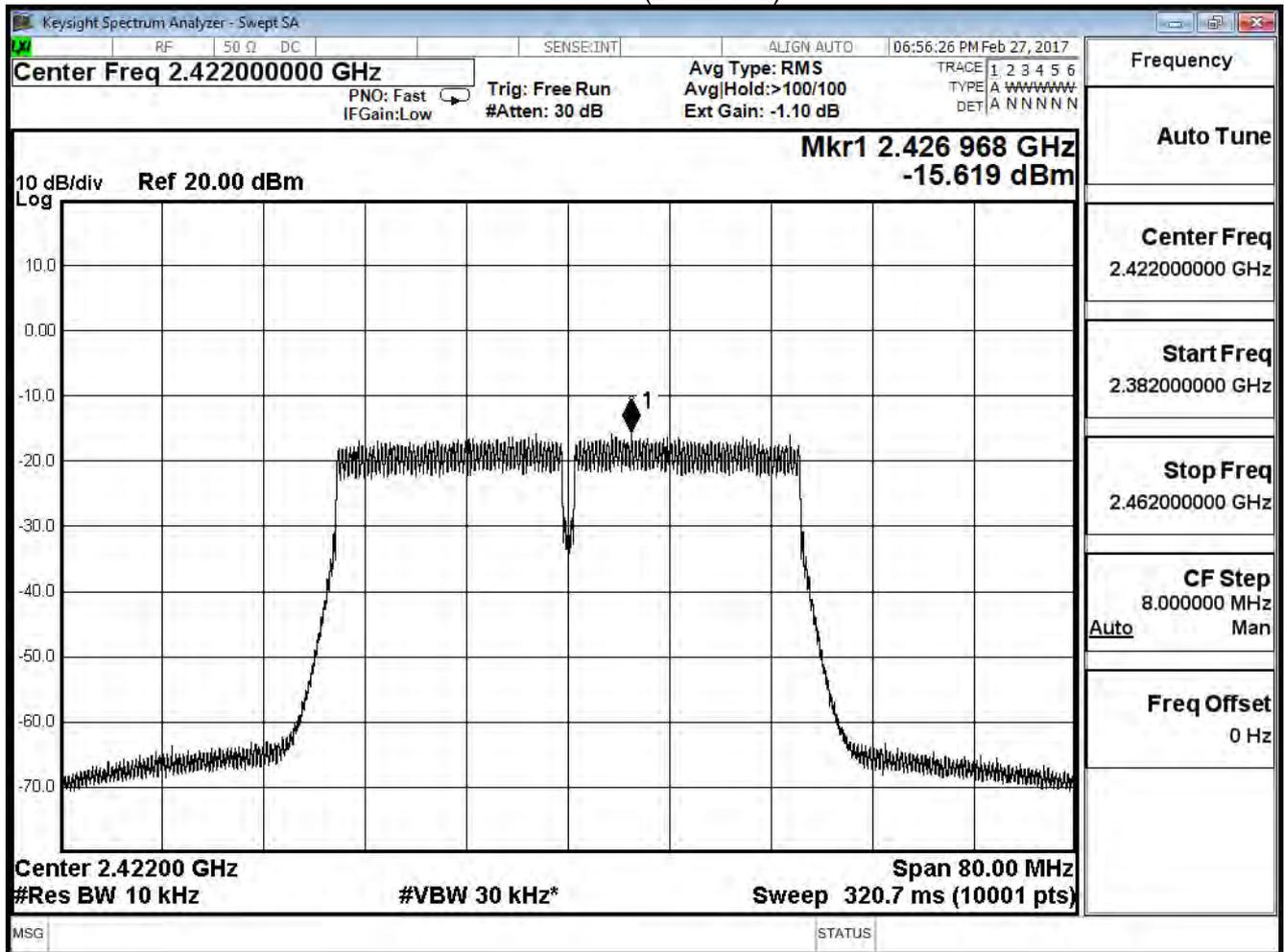
IEEE802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-15.619	≤ 7.90	Pass
6	2437	-15.184	≤ 7.90	Pass
9	2452	-19.491	≤ 7.90	Pass

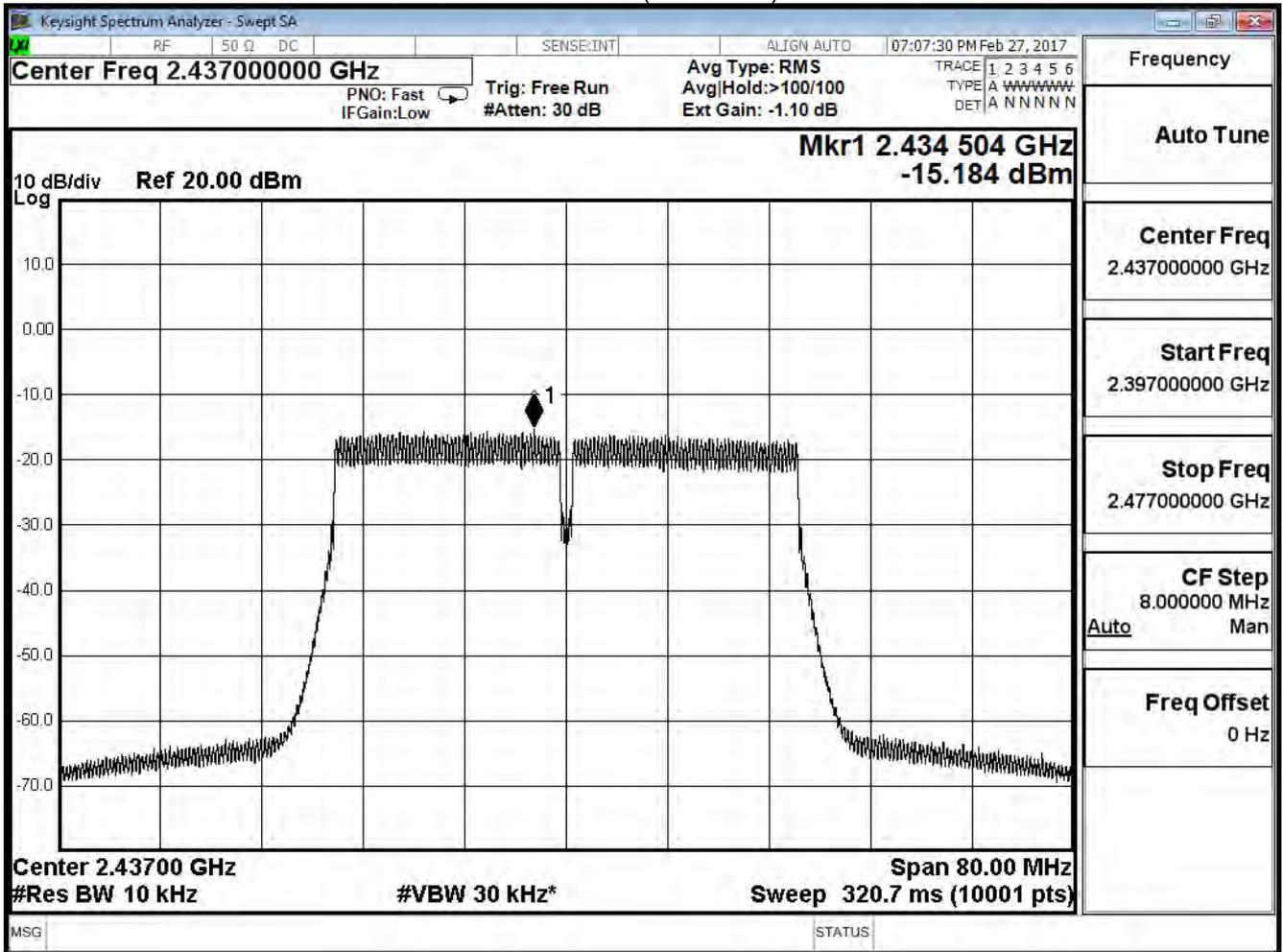
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

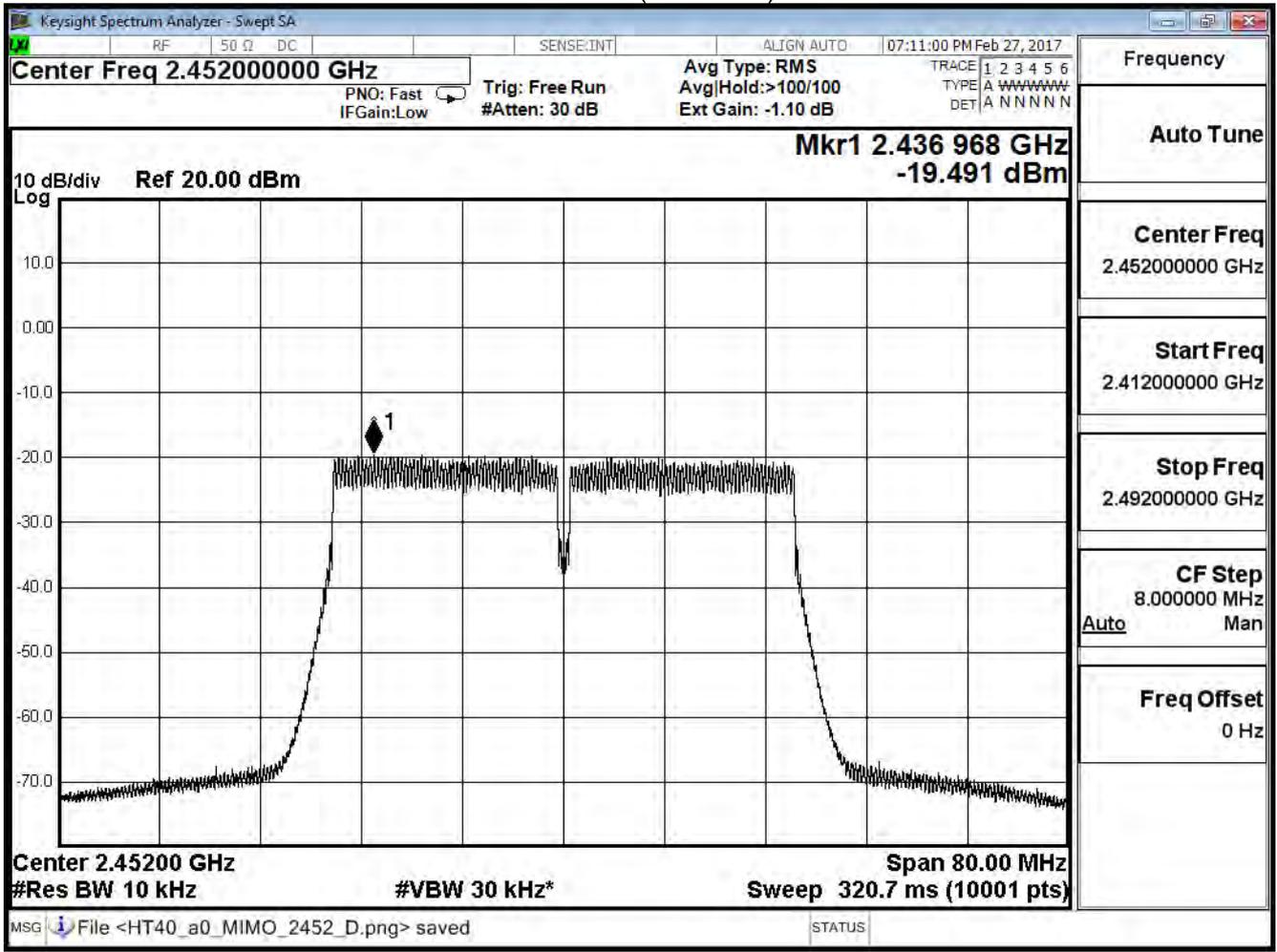
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



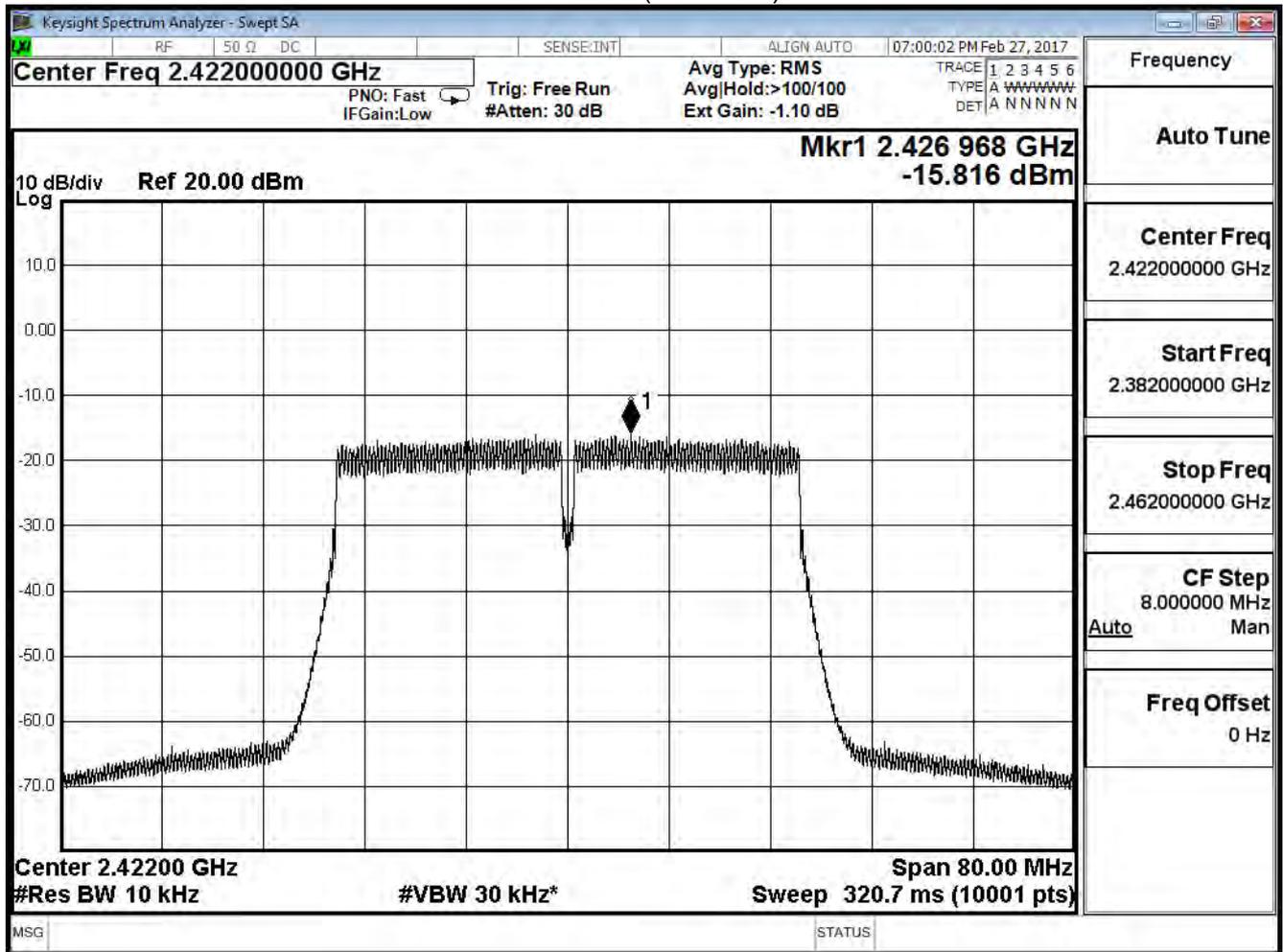
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-15.816	≤ 7.90	Pass
6	2437	-14.927	≤ 7.90	Pass
9	2452	-19.421	≤ 7.90	Pass

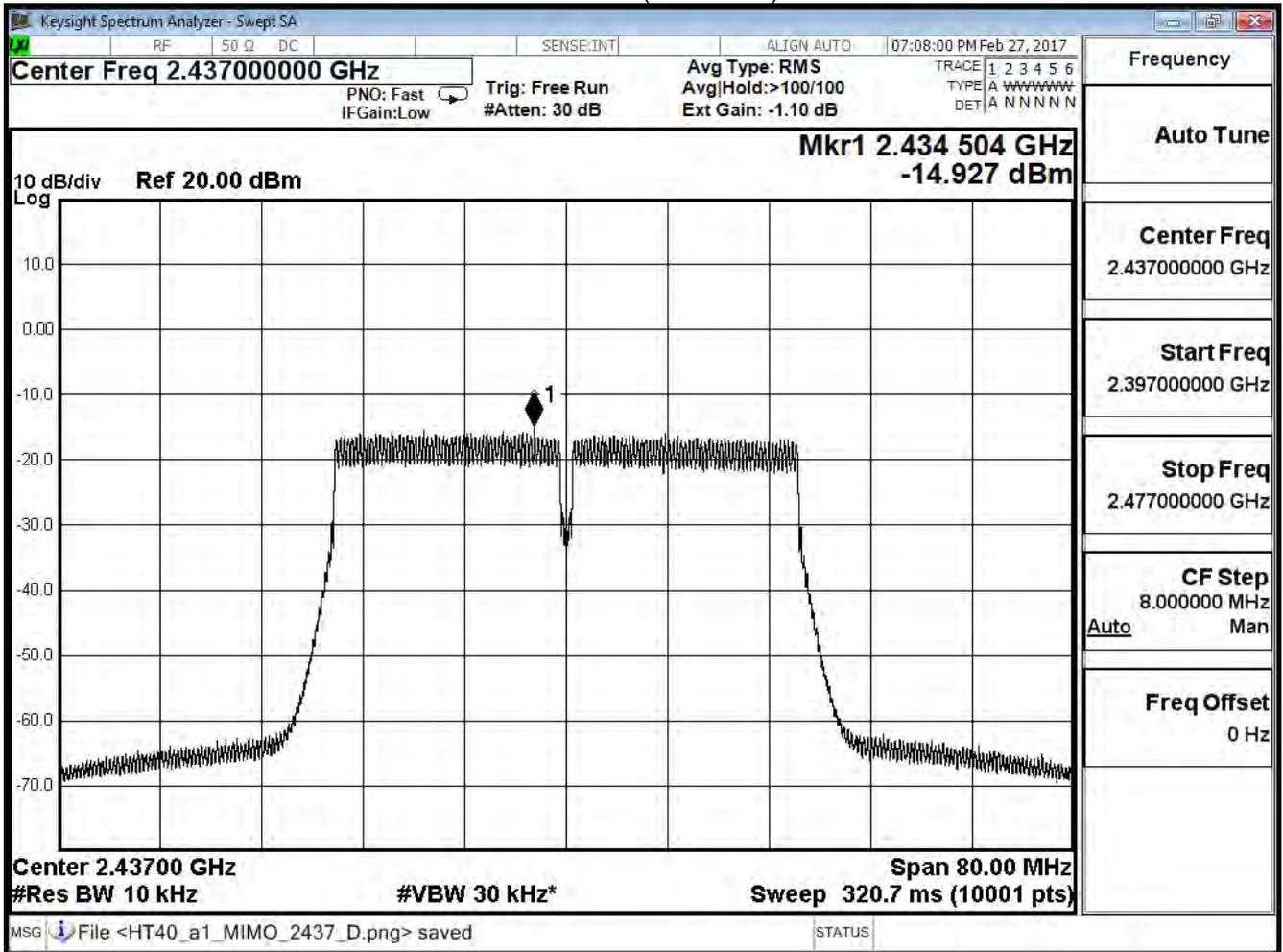
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

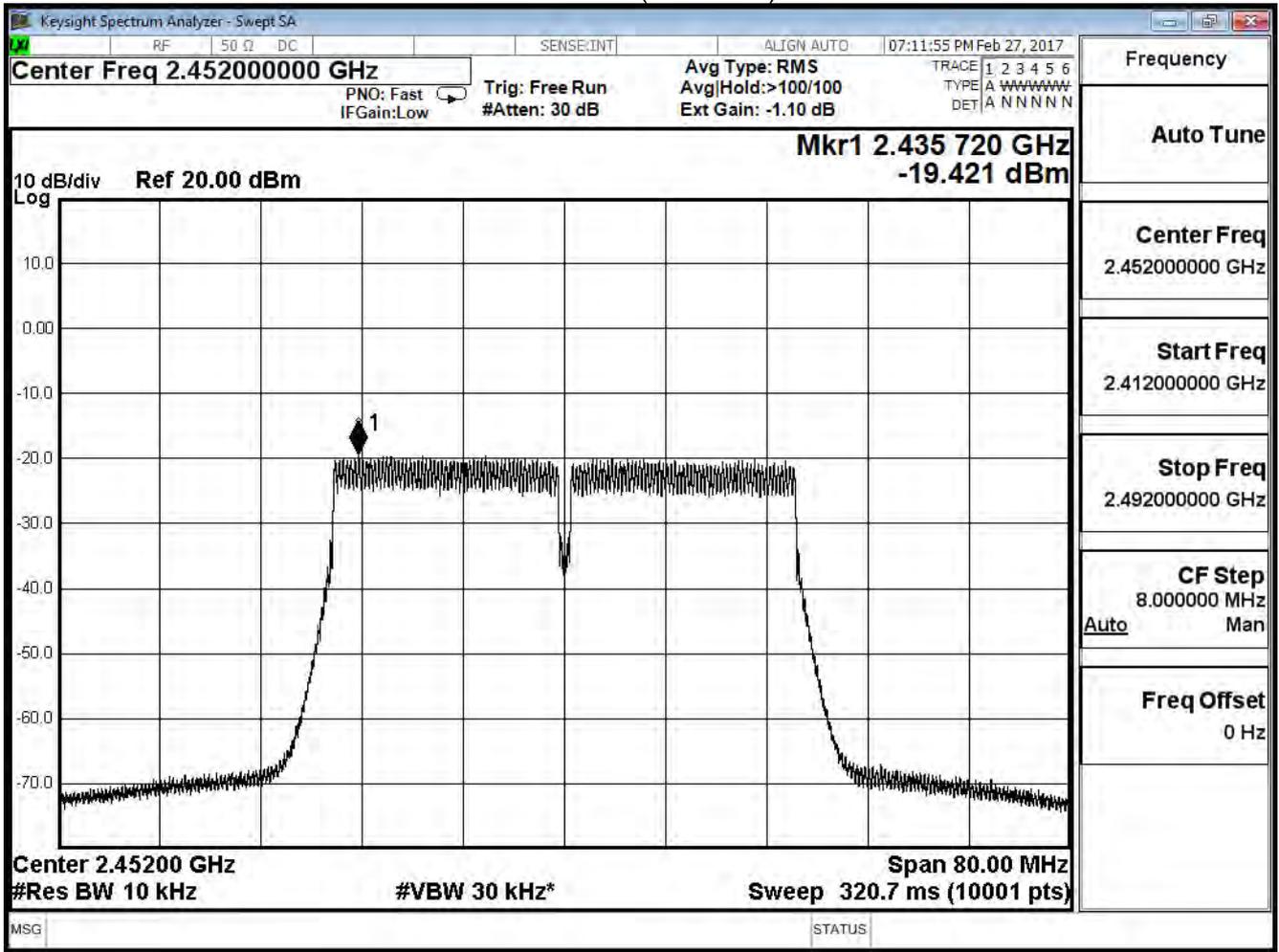
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-11.027	≤ 7.90	Pass
6	2437	-10.333	≤ 7.90	Pass
9	2452	-14.587	≤ 7.90	Pass

Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

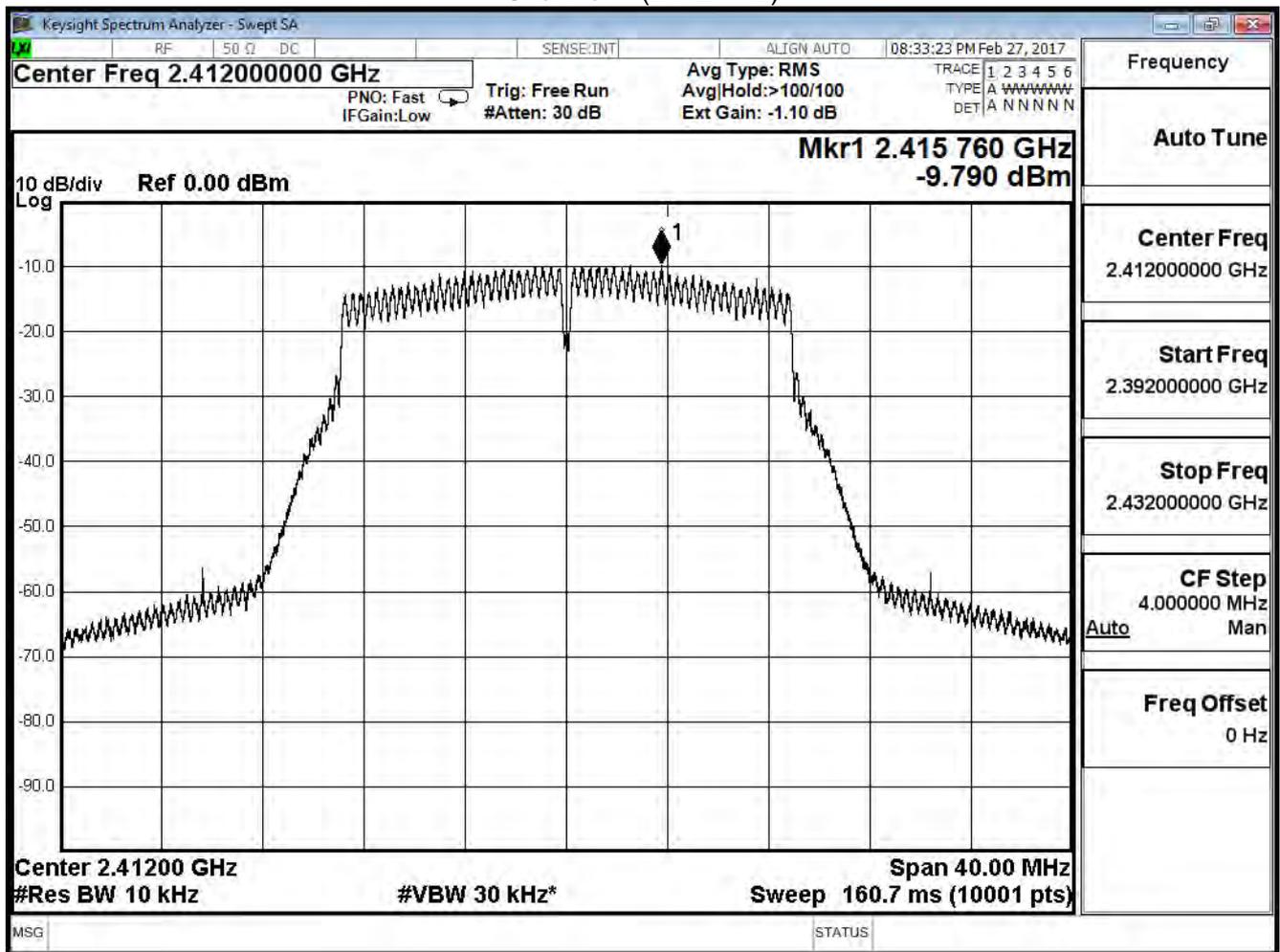
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-9.790	≤ 7.90	Pass
6	2437	-3.528	≤ 7.90	Pass
11	2462	-14.787	≤ 7.90	Pass

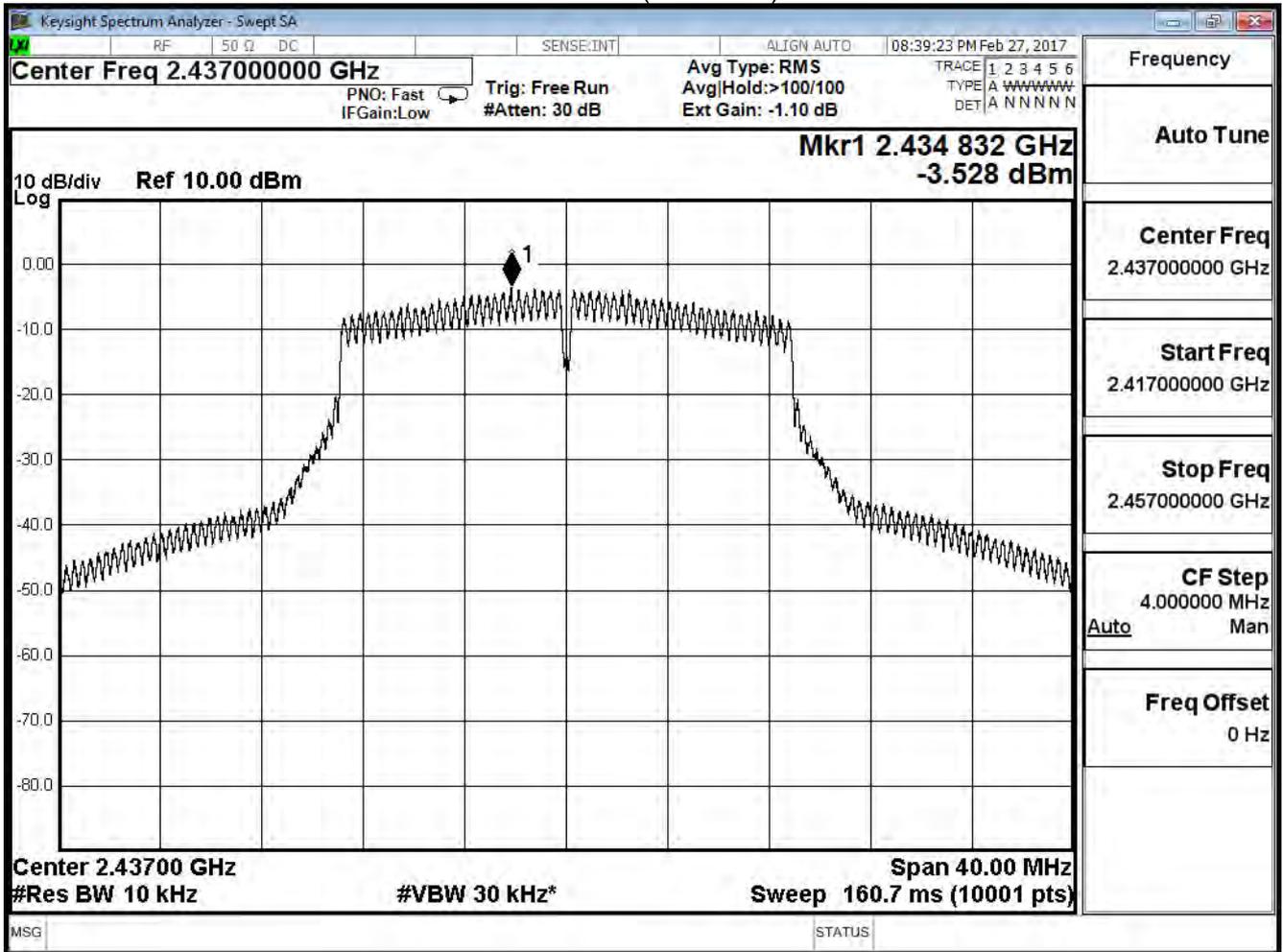
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

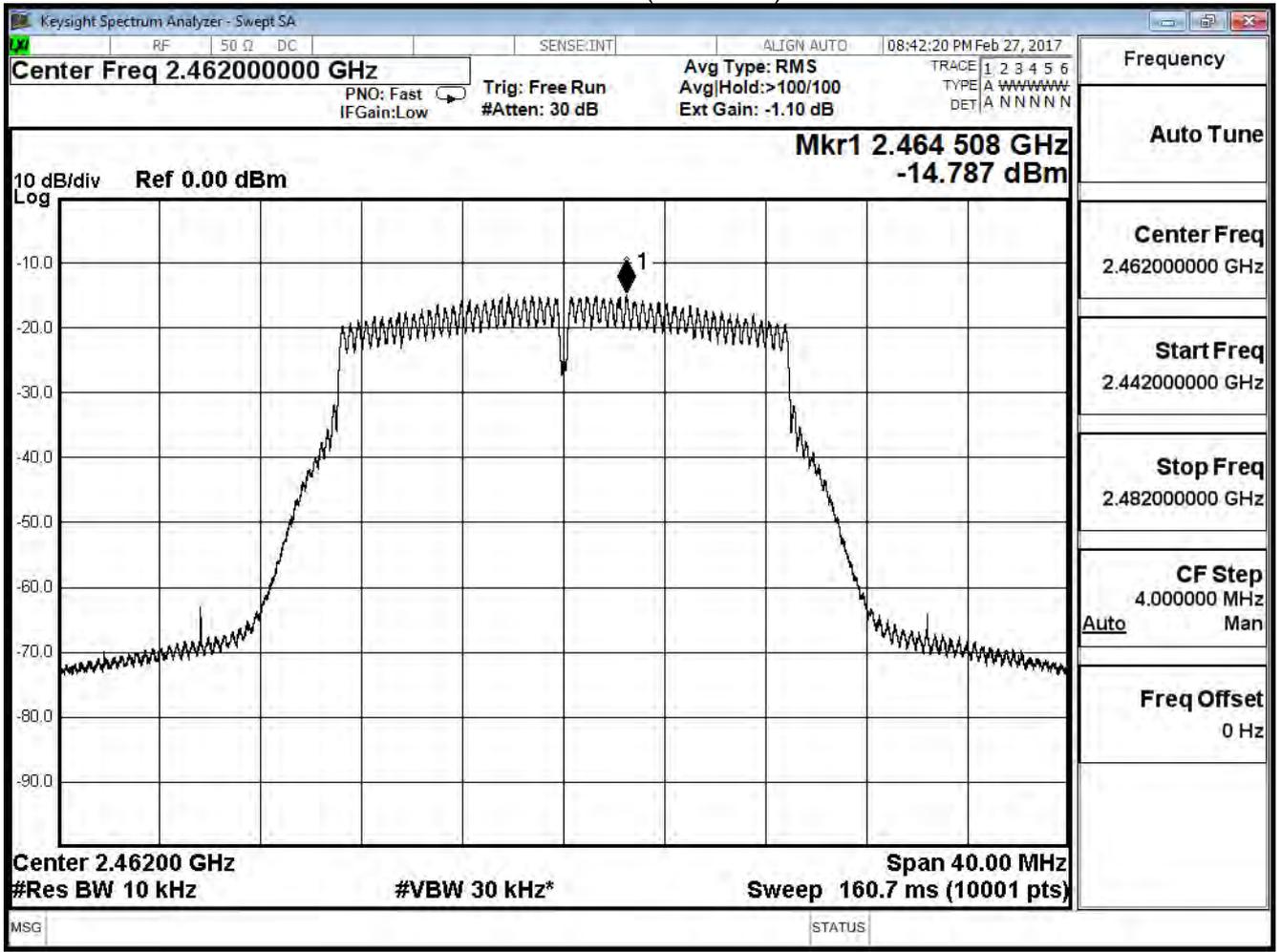
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



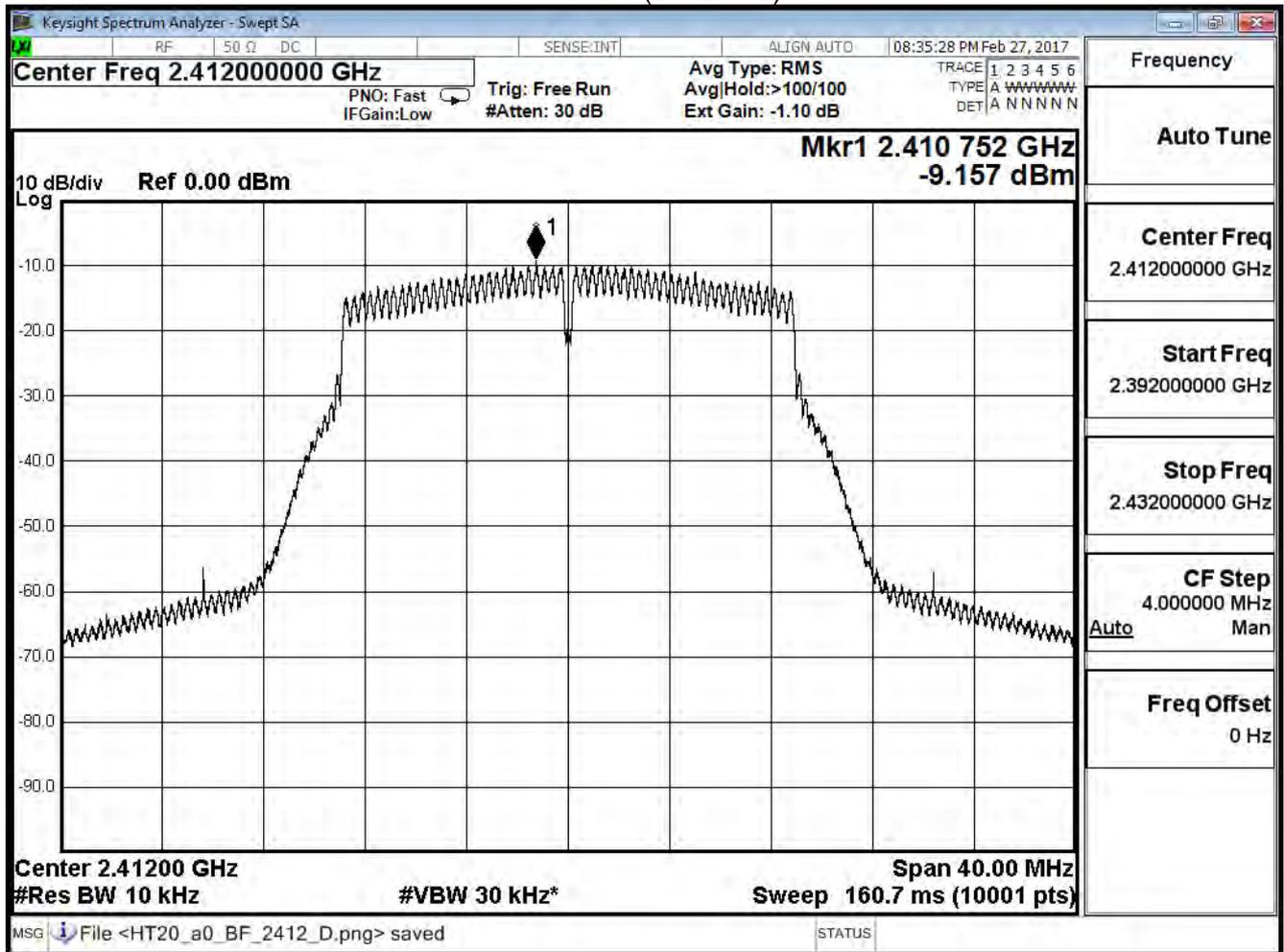
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-9.157	≤ 7.90	Pass
6	2437	-3.594	≤ 7.90	Pass
11	2462	-14.875	≤ 7.90	Pass

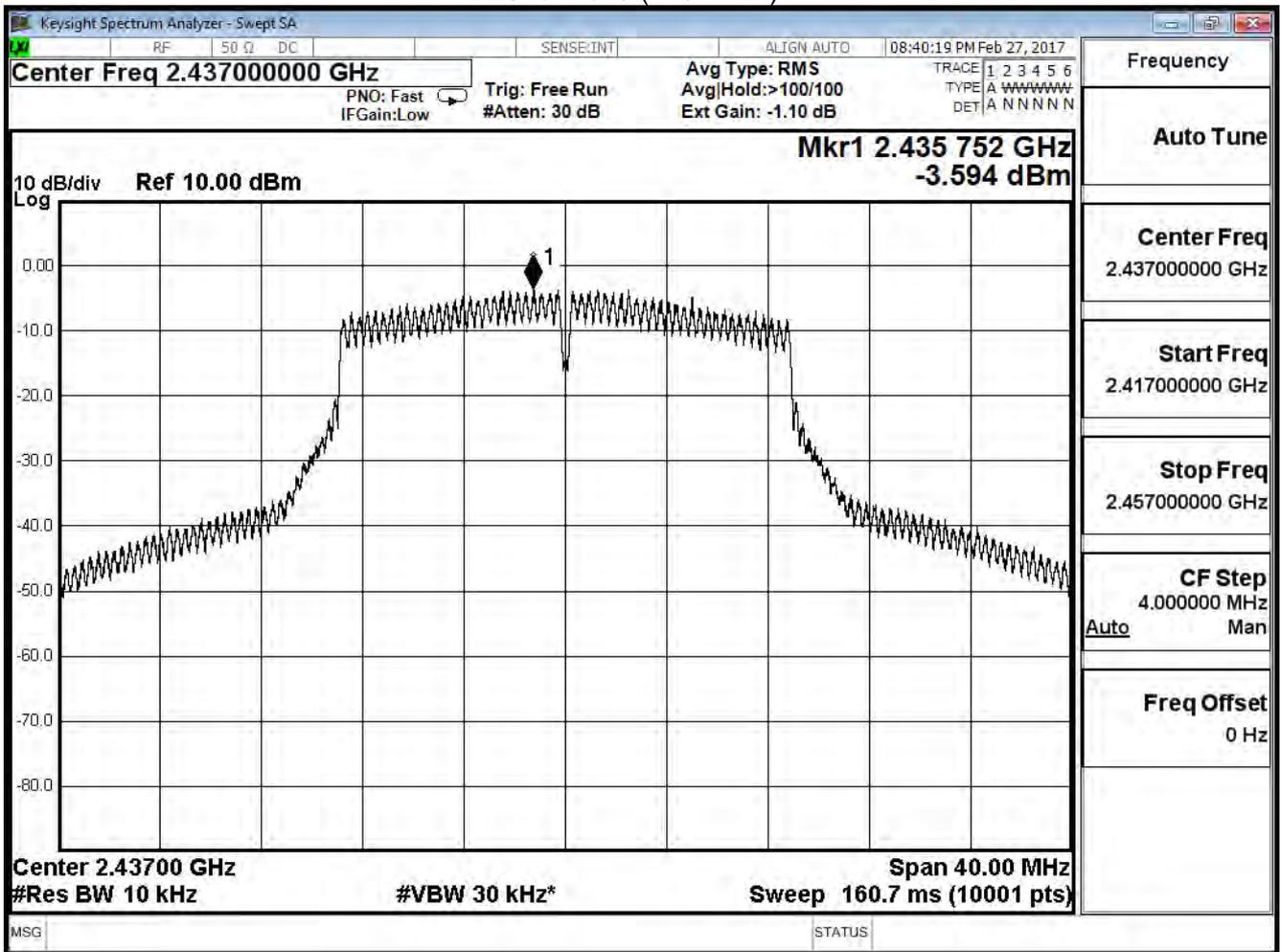
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

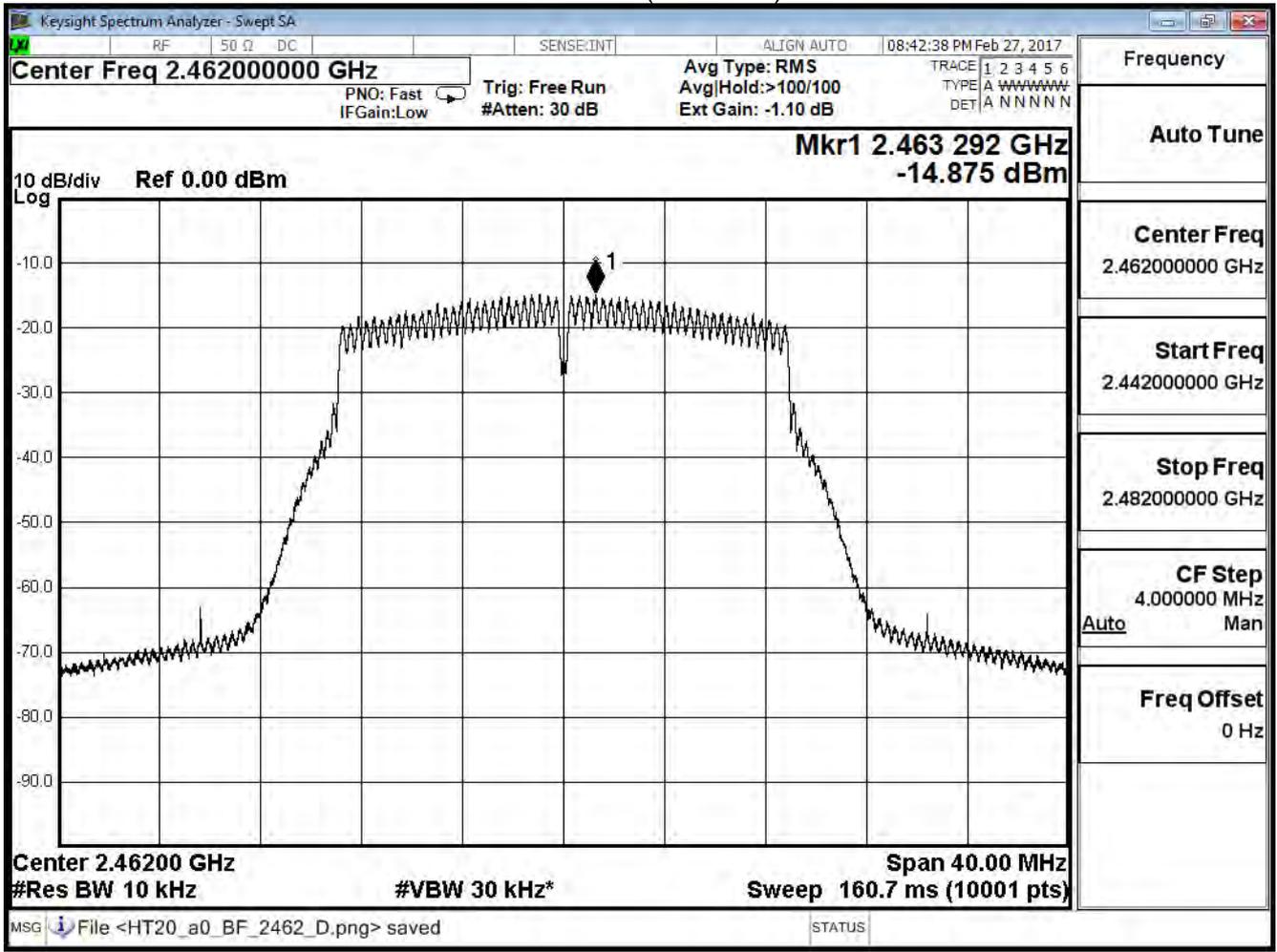
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



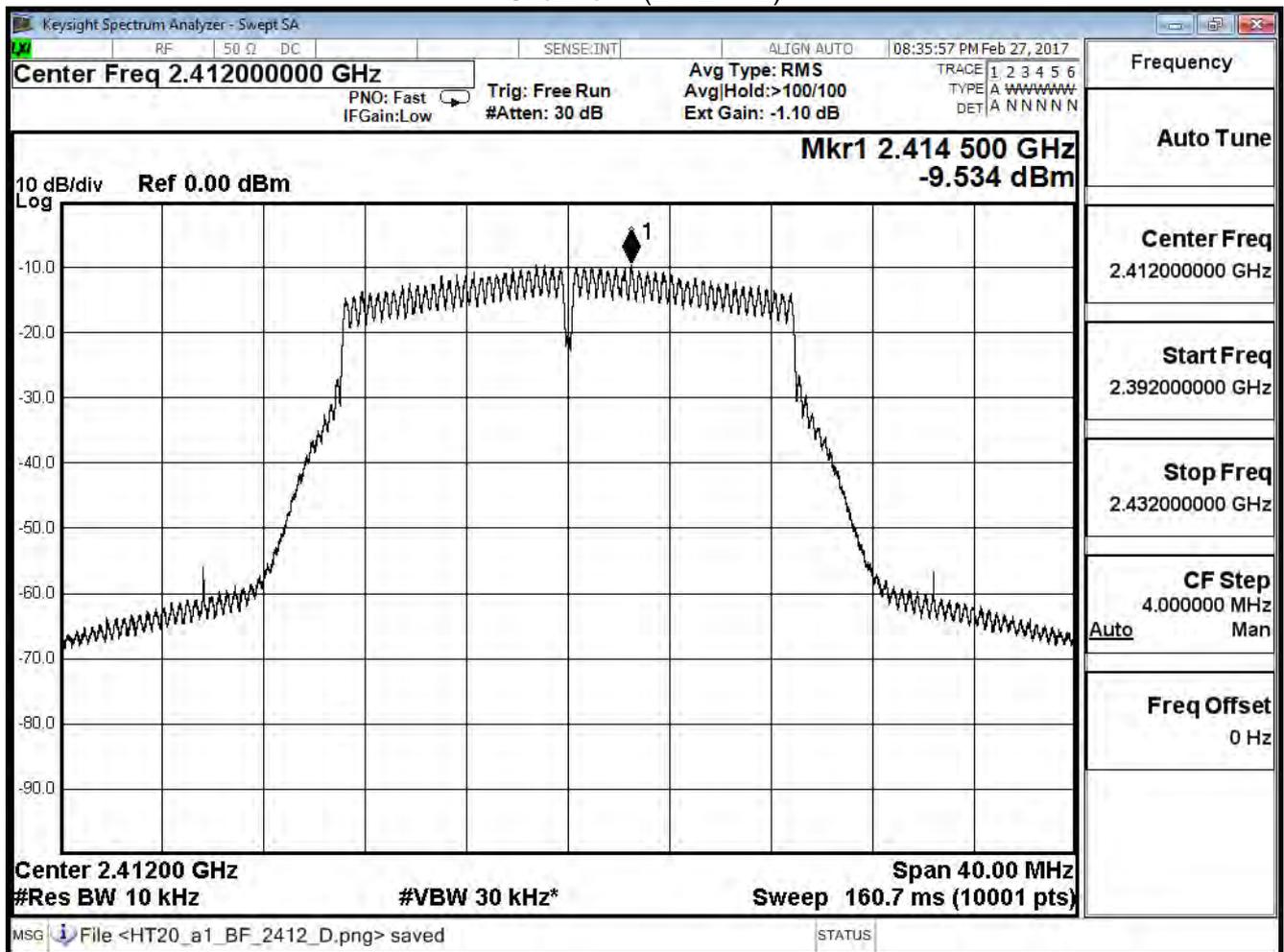
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-9.534	≤ 7.90	Pass
6	2437	-3.184	≤ 7.90	Pass
11	2462	-14.366	≤ 7.90	Pass

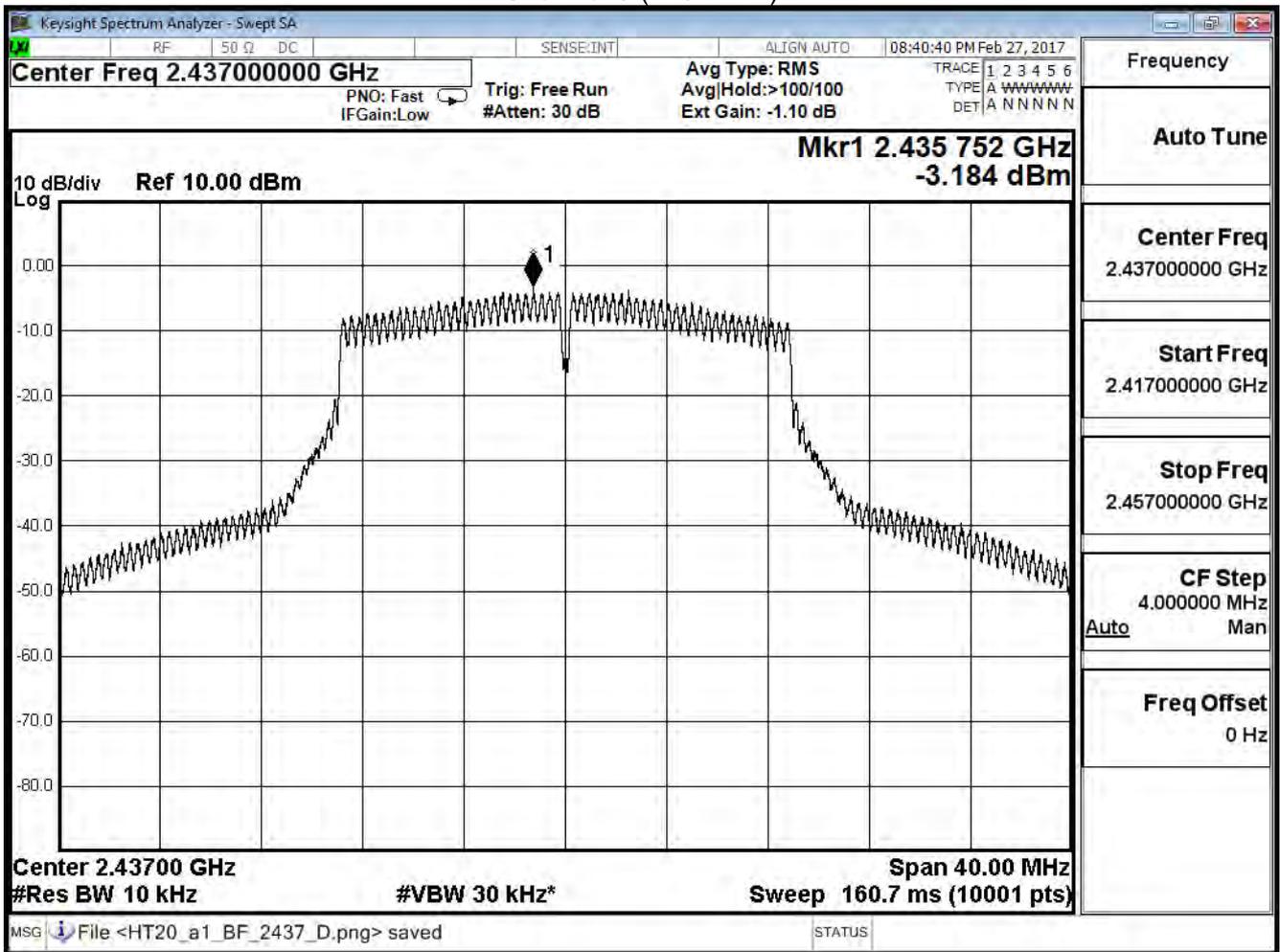
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

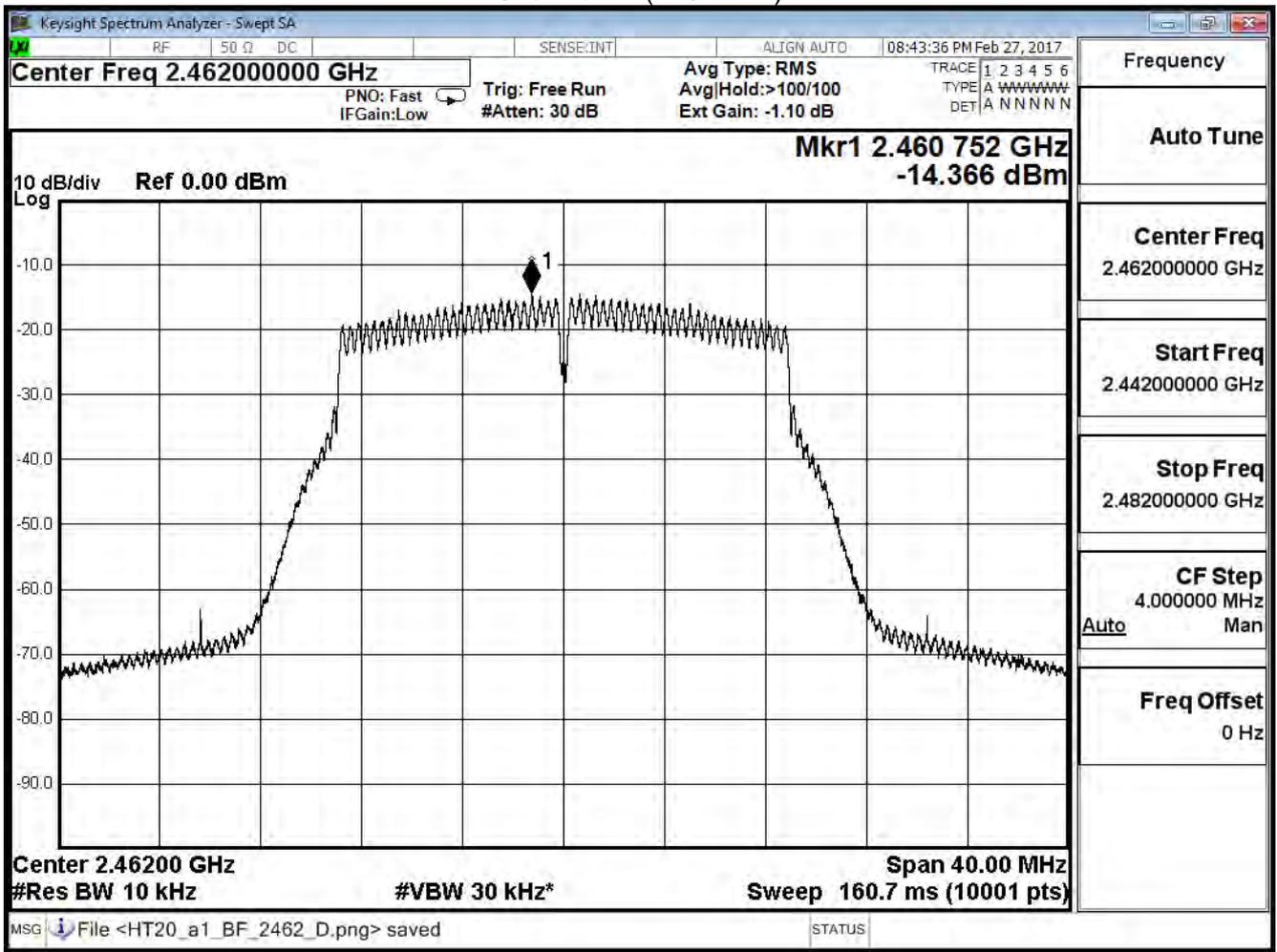
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-4.715	≤ 7.90	Pass
6	2437	1.340	≤ 7.90	Pass
11	2462	-9.899	≤ 7.90	Pass

Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

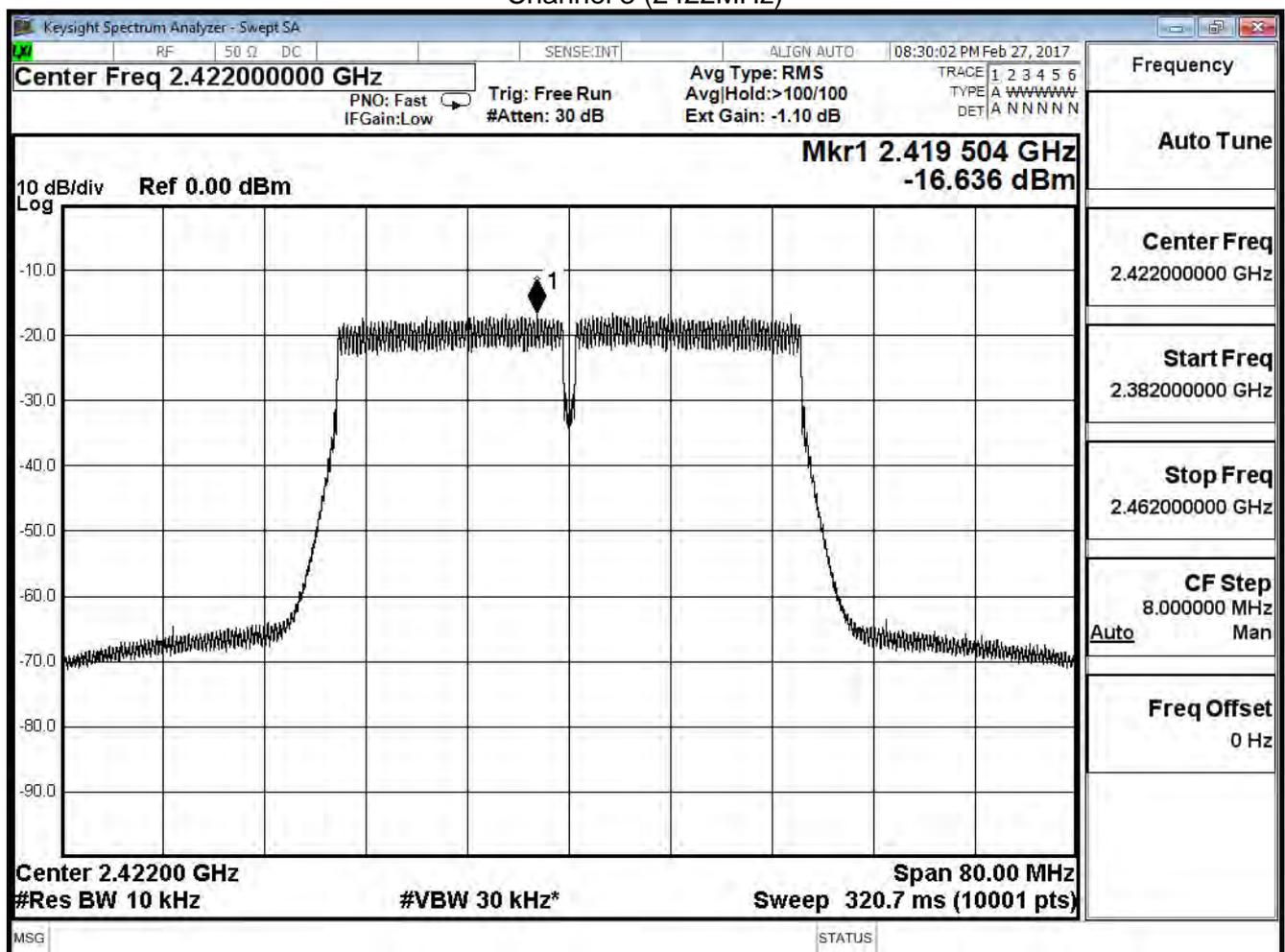
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-16.636	≤ 7.90	Pass
6	2437	-17.315	≤ 7.90	Pass
9	2452	-21.992	≤ 7.90	Pass

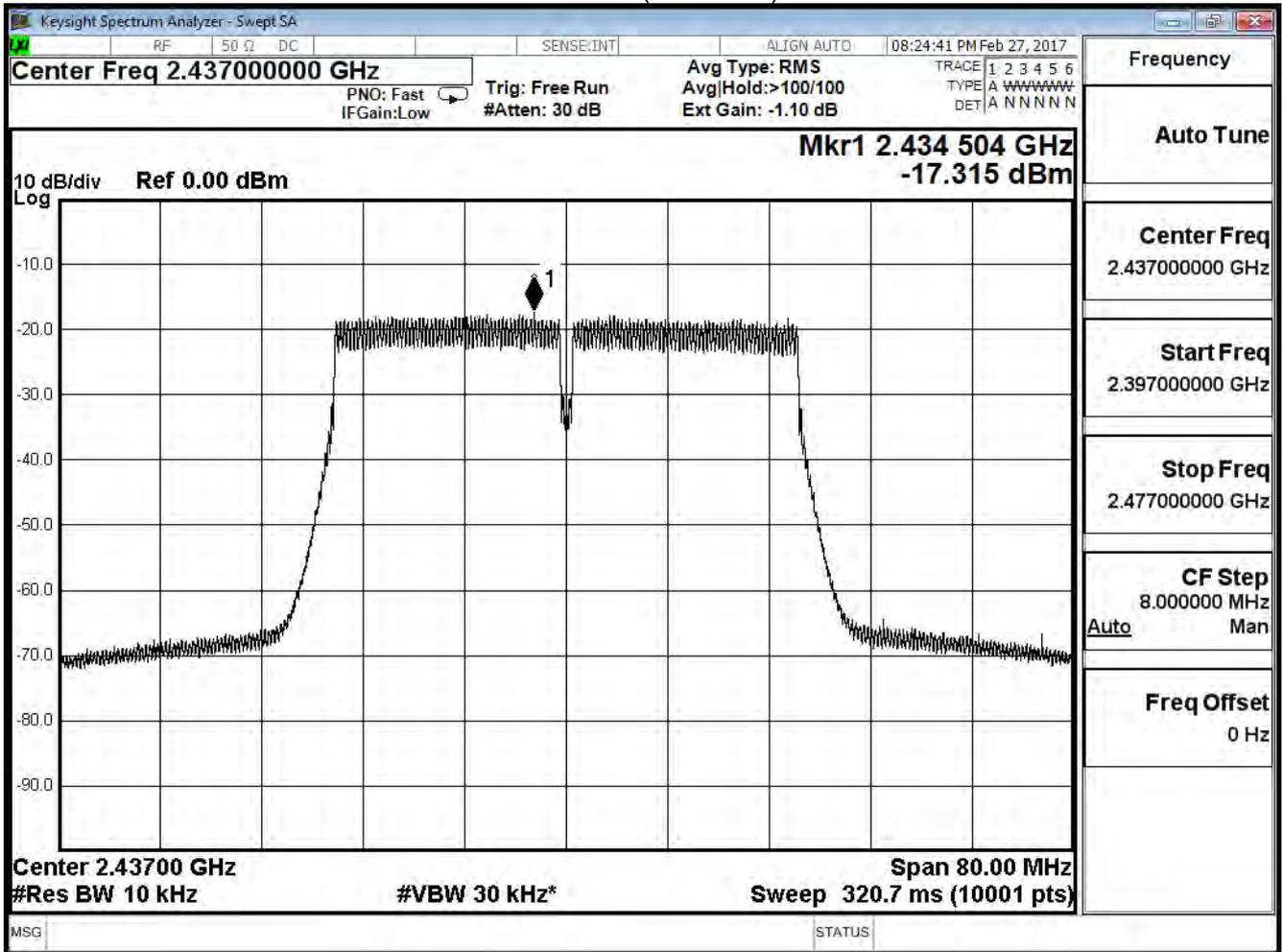
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

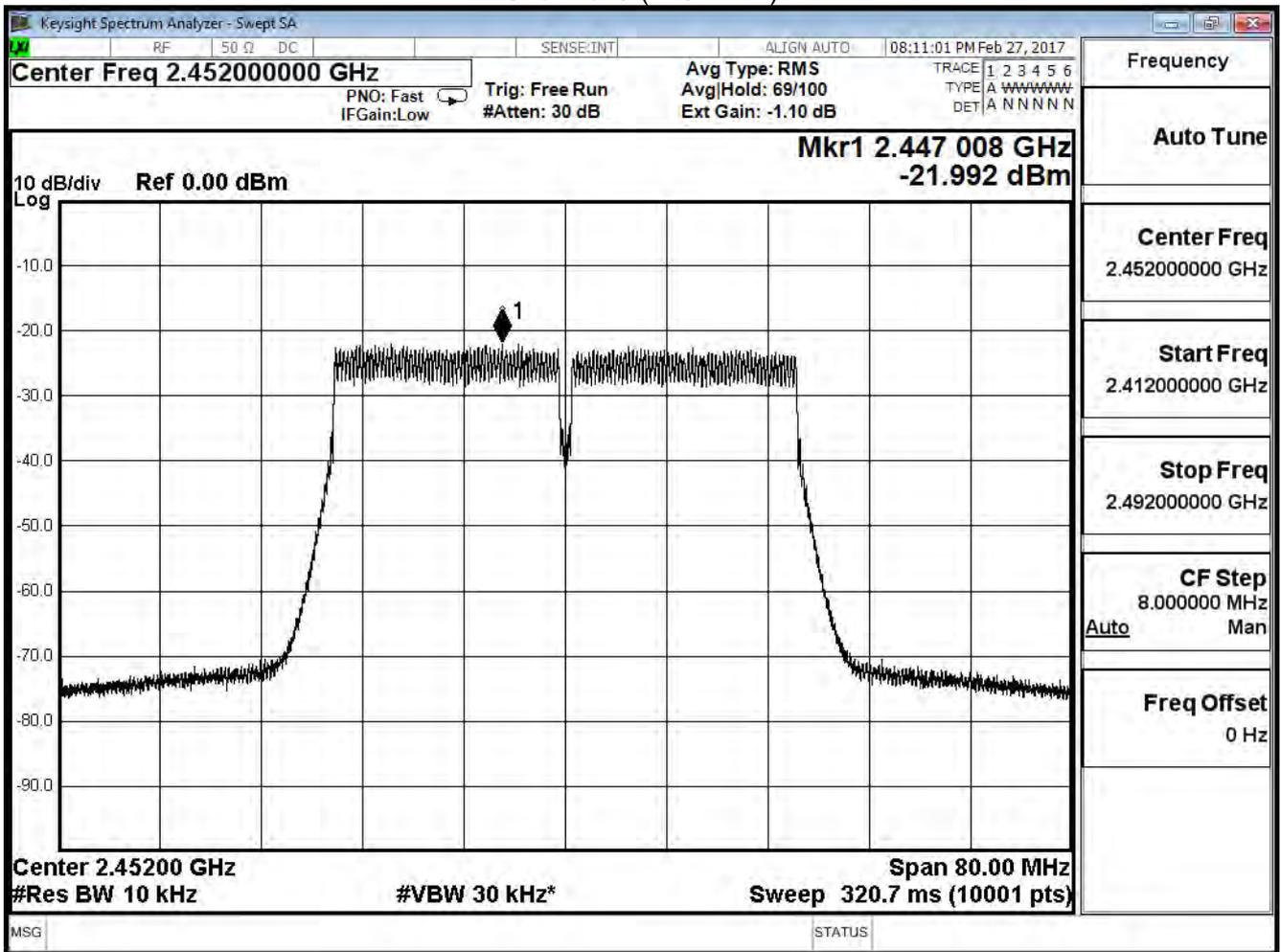
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



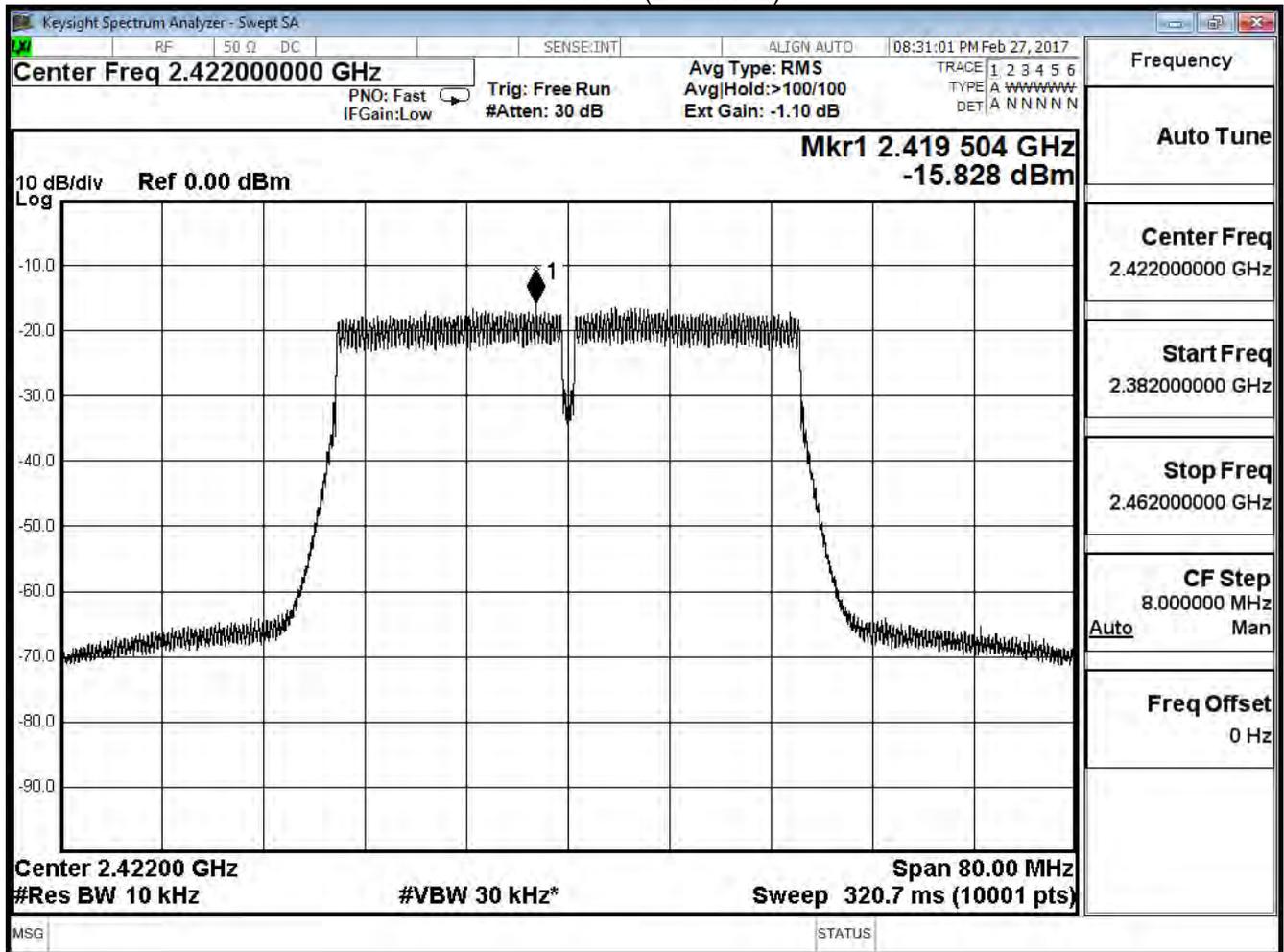
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-15.828	≤ 7.90	Pass
6	2437	-17.396	≤ 7.90	Pass
9	2452	-21.714	≤ 7.90	Pass

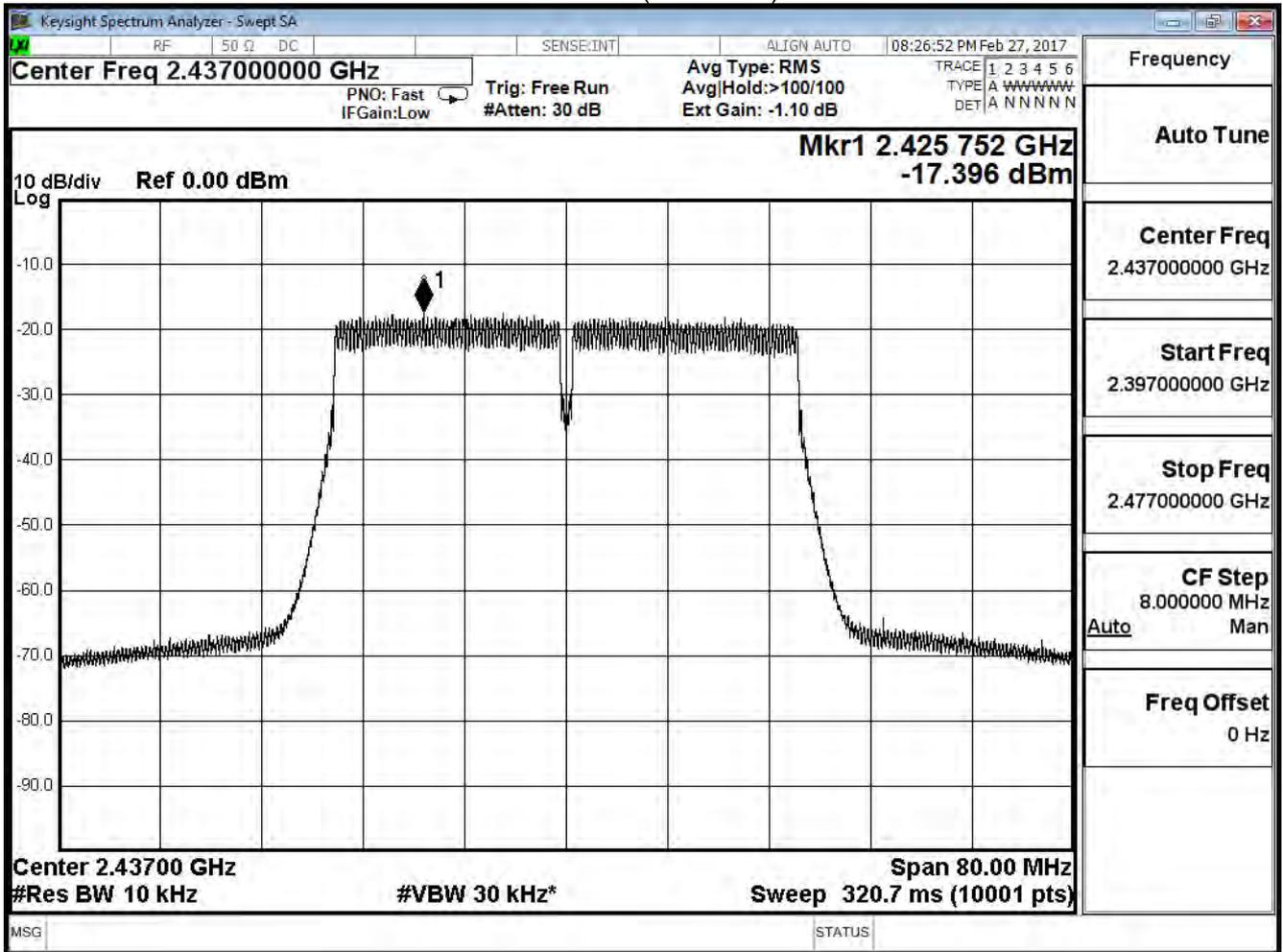
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

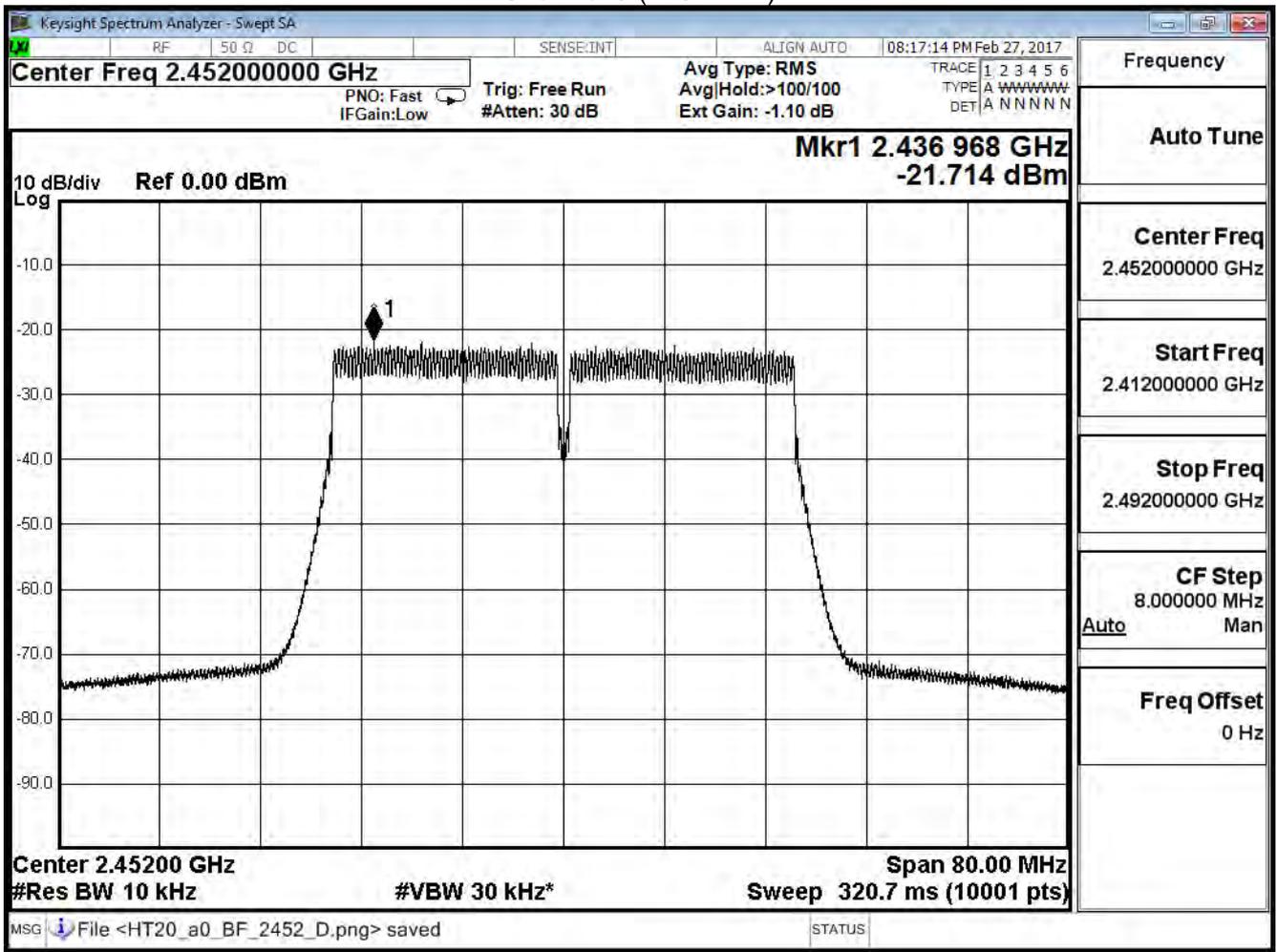
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



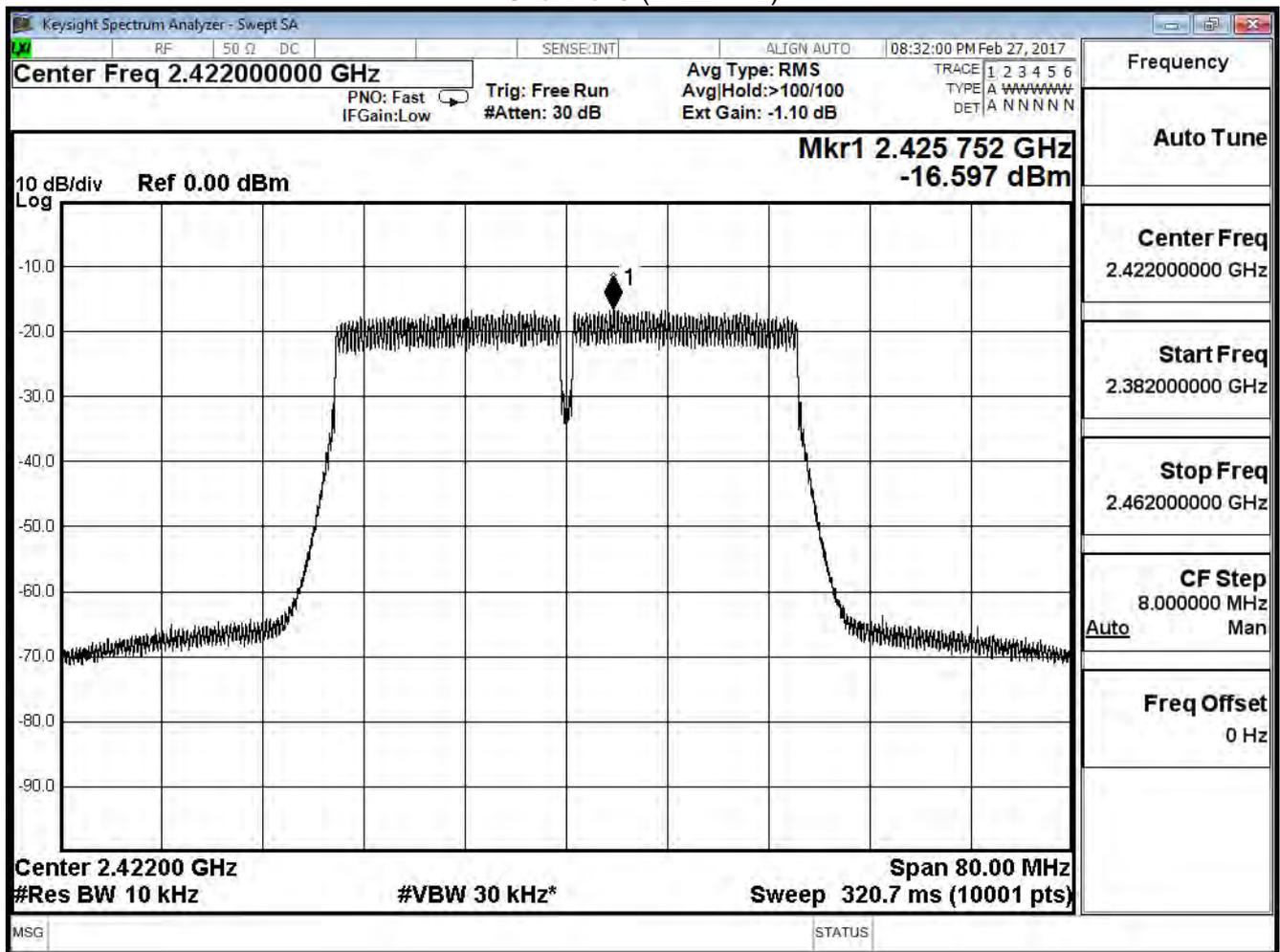
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-16.597	≤ 7.90	Pass
6	2437	-17.679	≤ 7.90	Pass
9	2452	-21.253	≤ 7.90	Pass

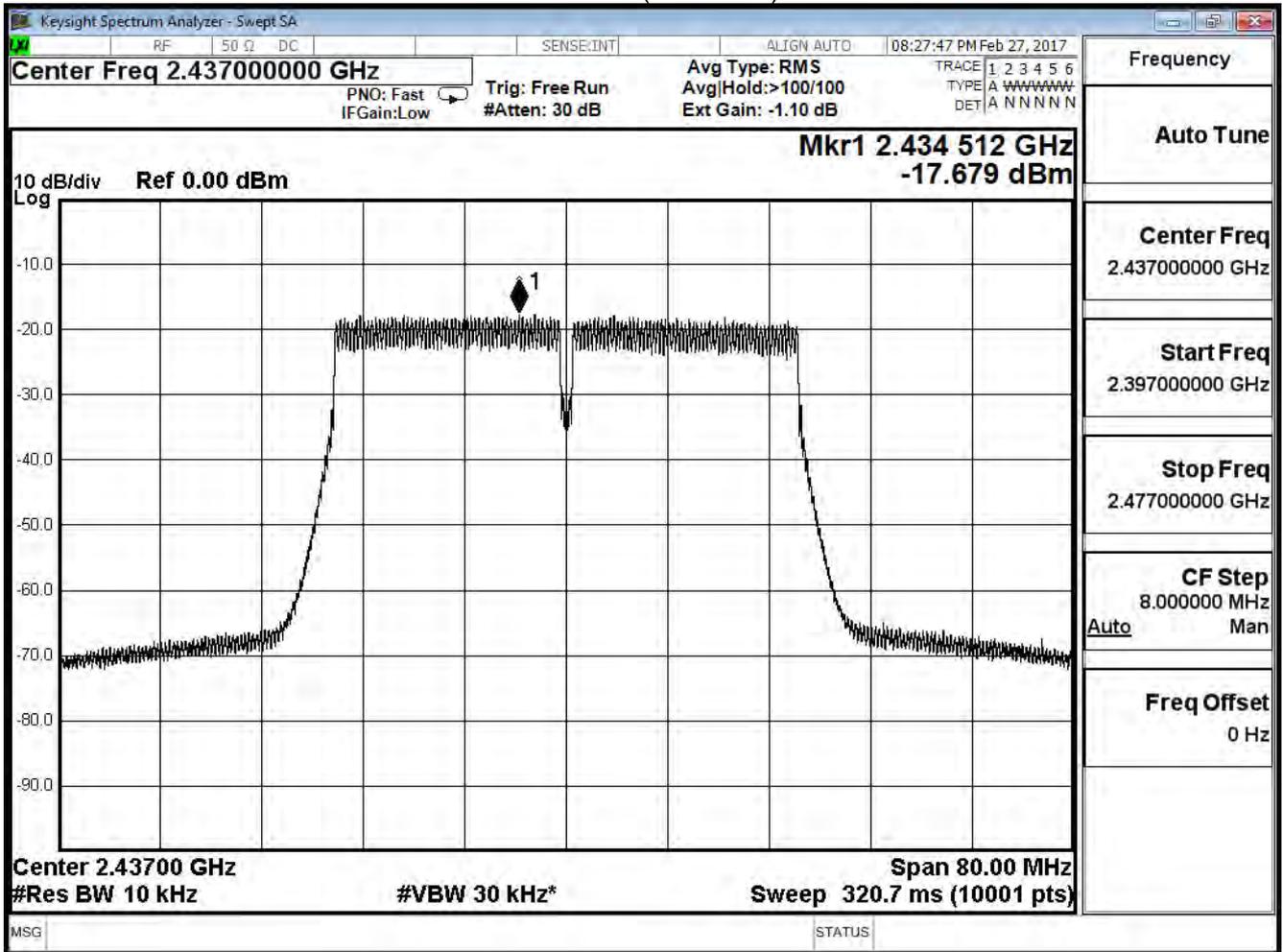
Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm

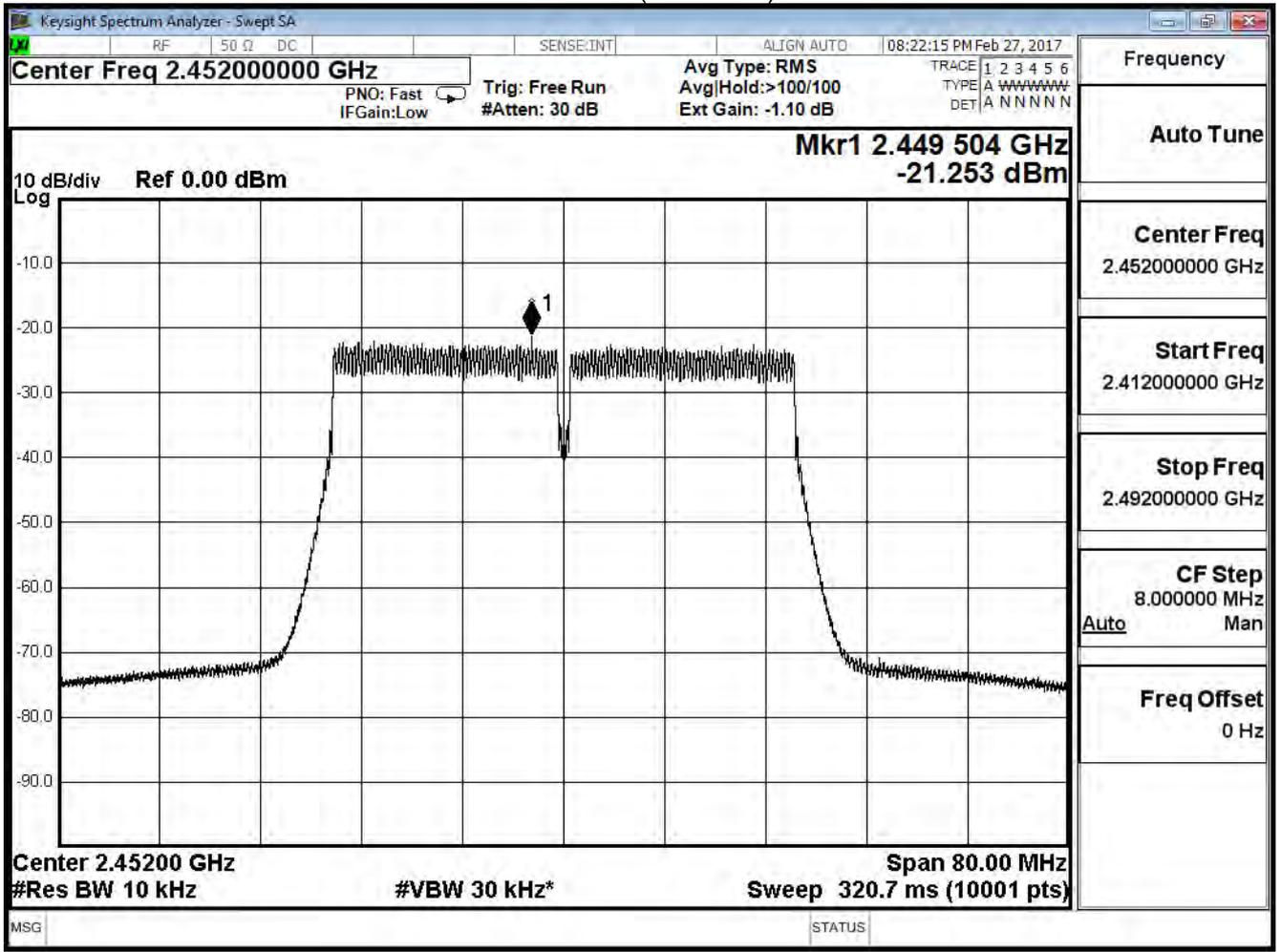
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/02/27	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-11.566	≤ 7.90	Pass
6	2437	-12.689	≤ 7.90	Pass
9	2452	-16.871	≤ 7.90	Pass

Directional gain=10log(ANT N)+Gain=4.77+1.33=6.1

Limit =8dBm-(6.1dBi-6dBi)=7.90dBm