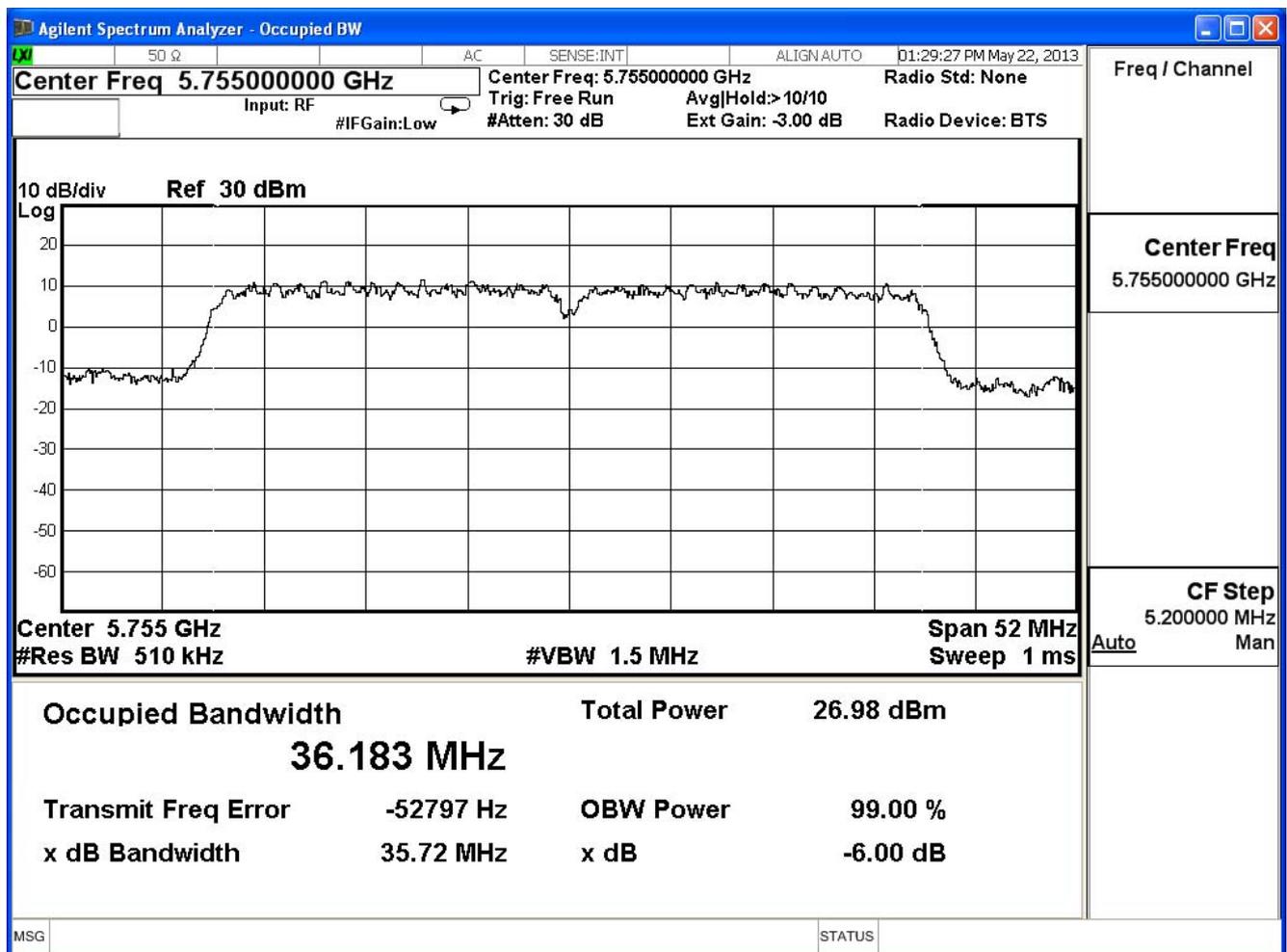


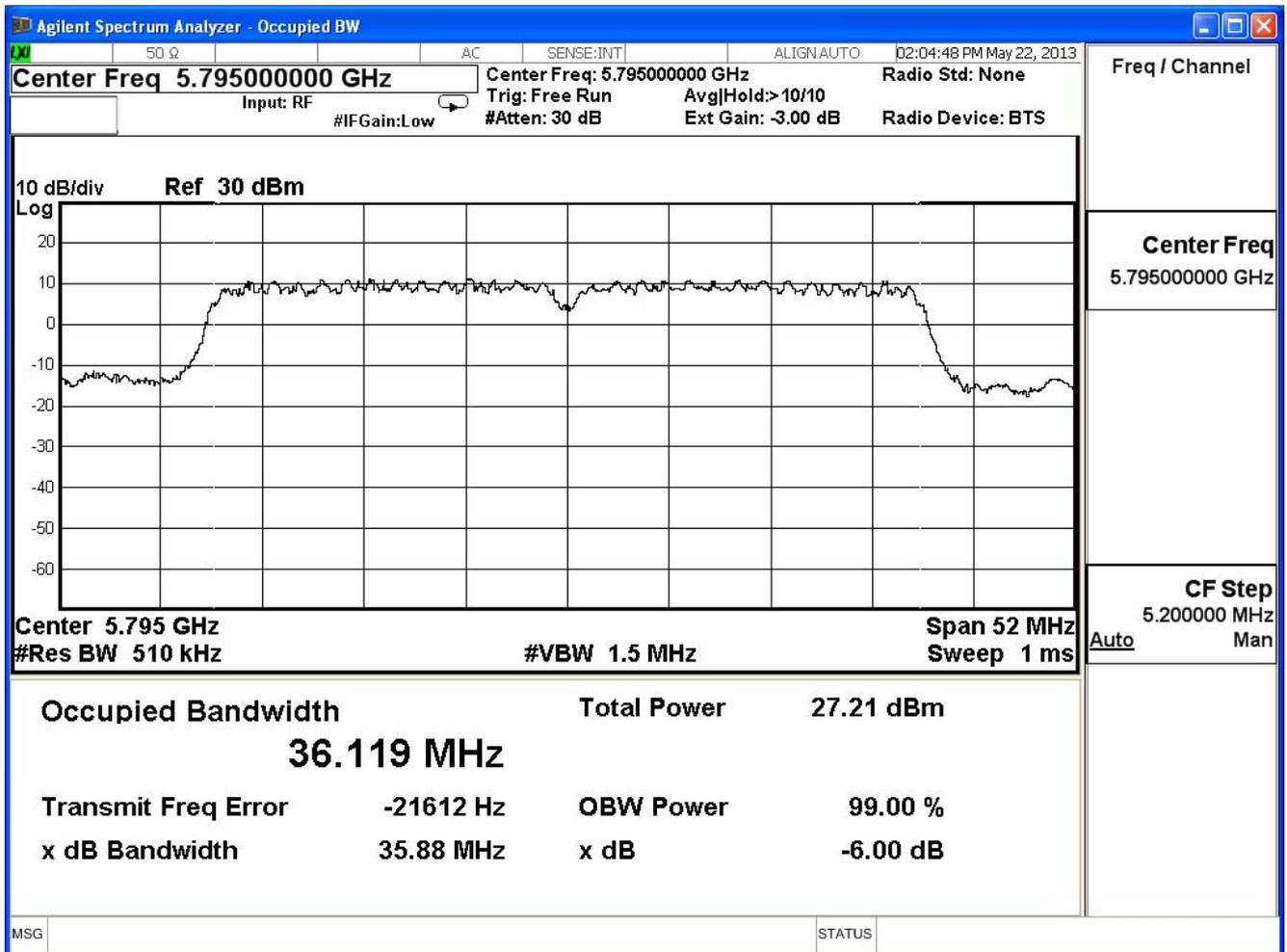
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2013/05/22	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	35.720	≥ 0.5	Pass
159	5795	35.880	≥ 0.5	Pass

Channel 151



Channel 159



8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

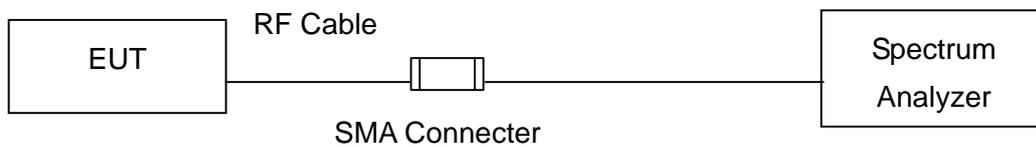
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2013/07/31

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

8.2. Test Setup

IEEE 802.11 b / g / a / n (20M / 40M) MODE



8.3. 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.

8.4. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW= 100 kHz, Set VBW= 300 kHz, Sweep time=Auto, Set detector=Peak detector

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

8.6. Uncertainty

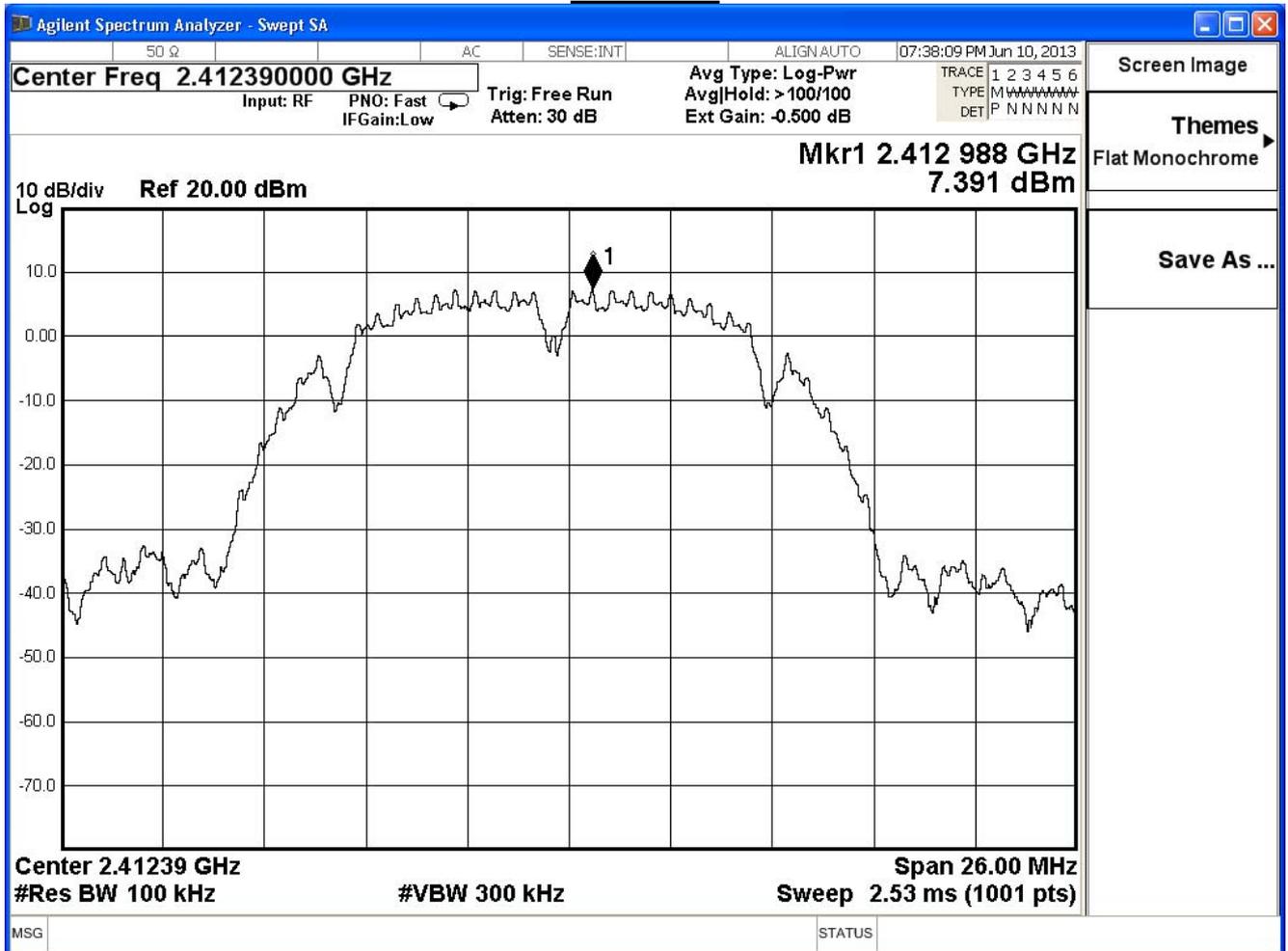
The measurement uncertainty is defined as ± 1.27 dB.

8.7. Test Result

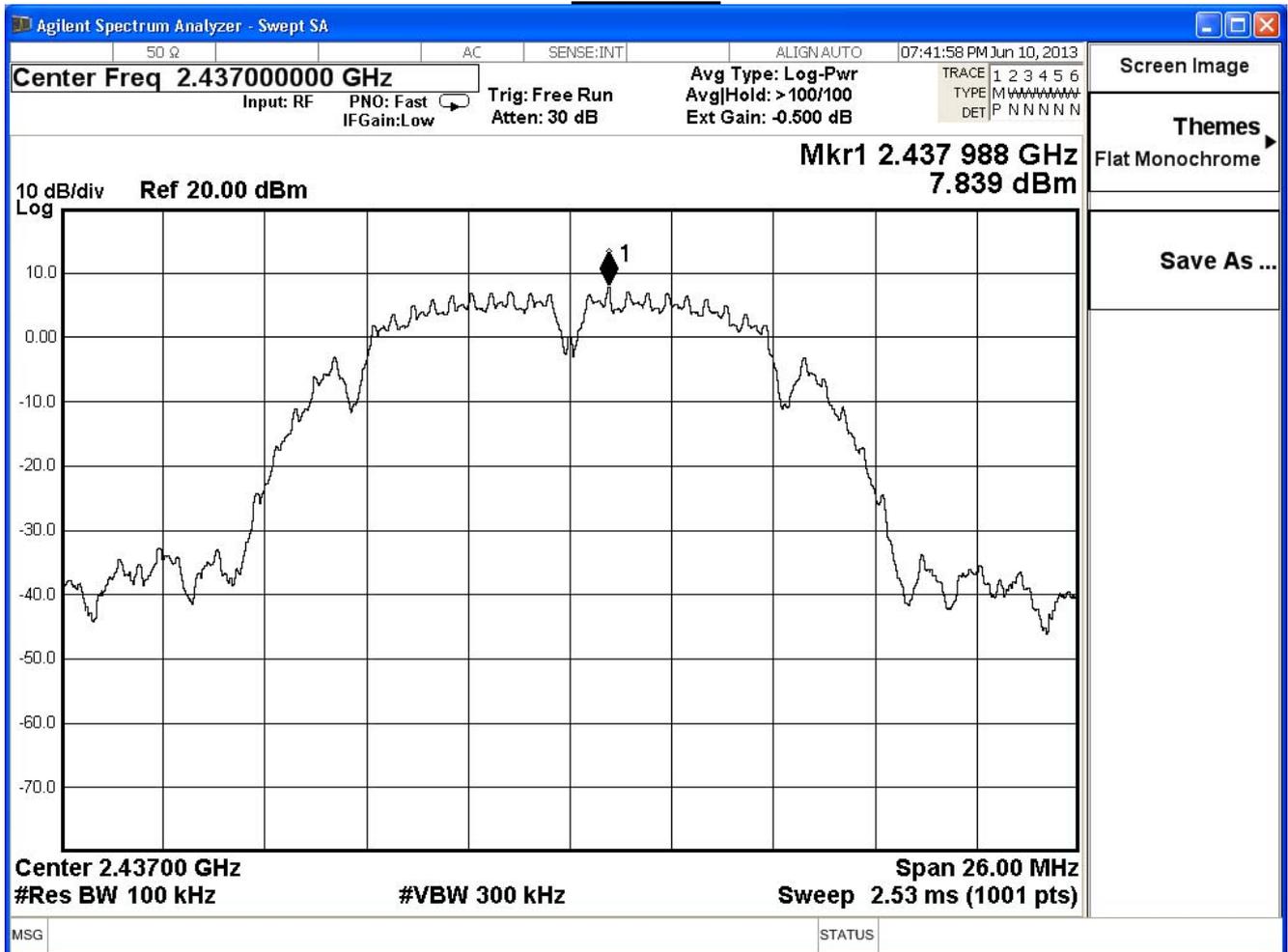
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

IEEE 802.11b					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	7.39	-7.81	≤ 8	Pass
6	2437	7.83	-7.37	≤ 8	Pass
11	2462	7.32	-7.88	≤ 8	Pass

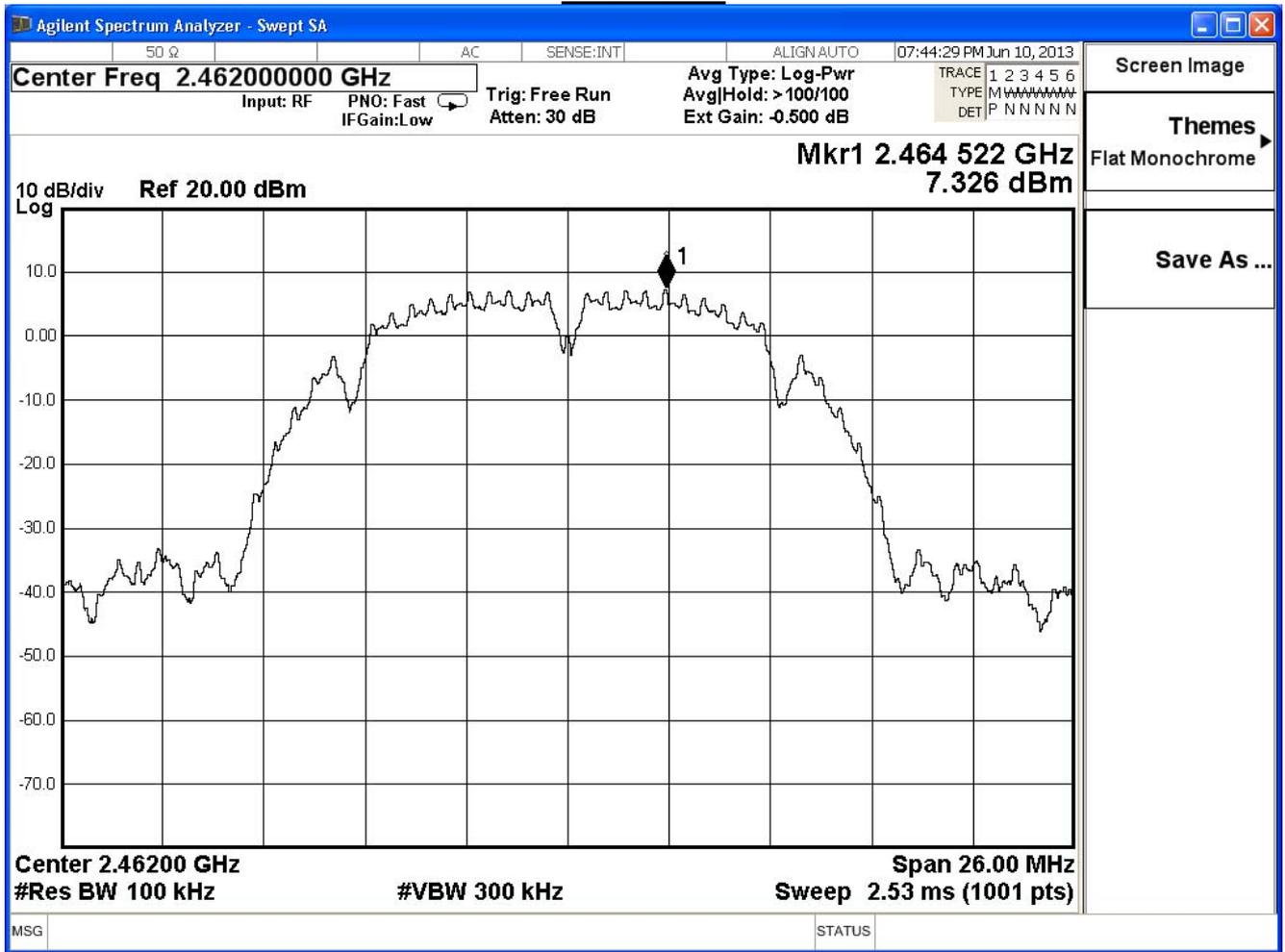
Channel 1



Channel 6



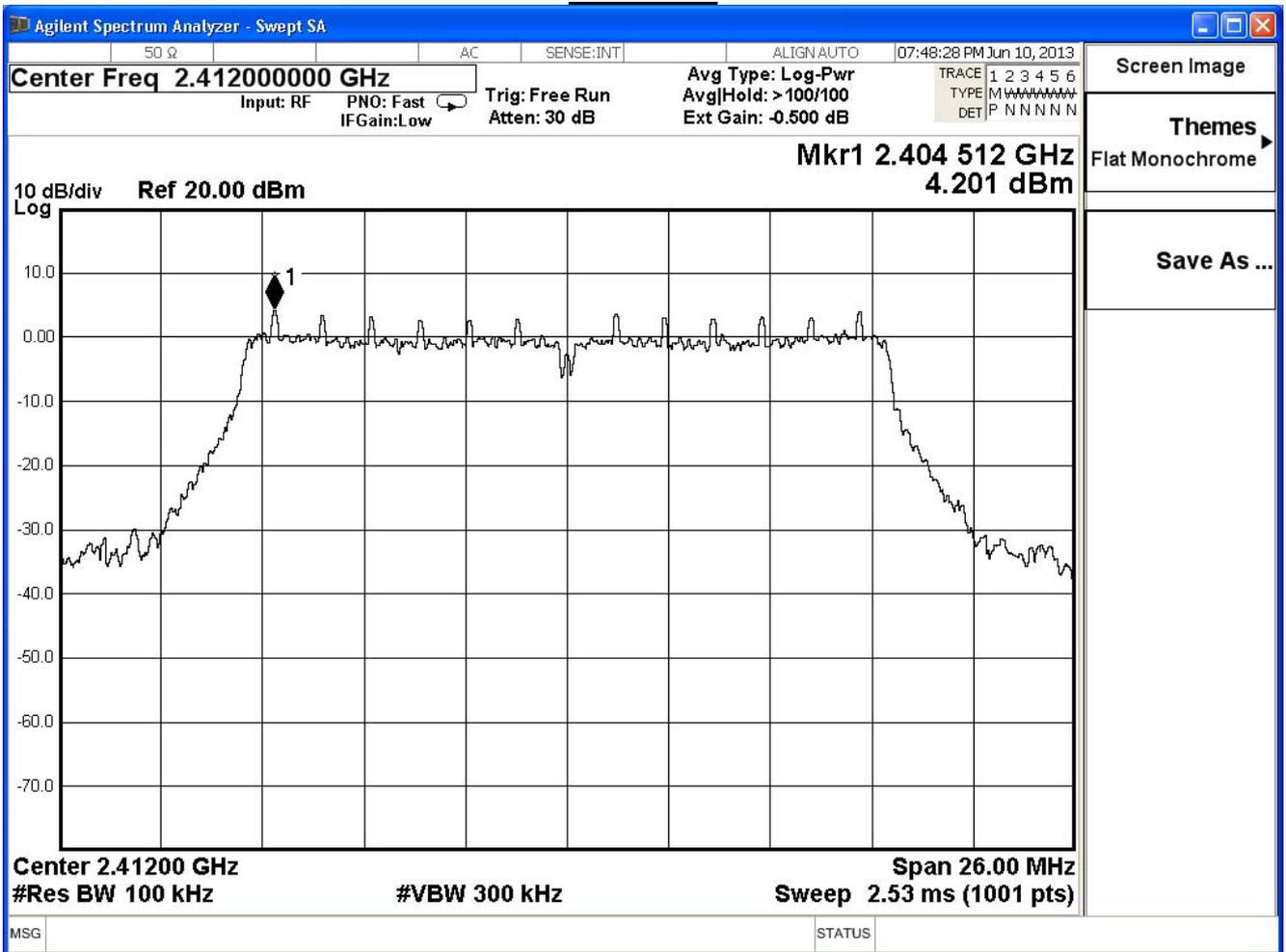
Channel 11



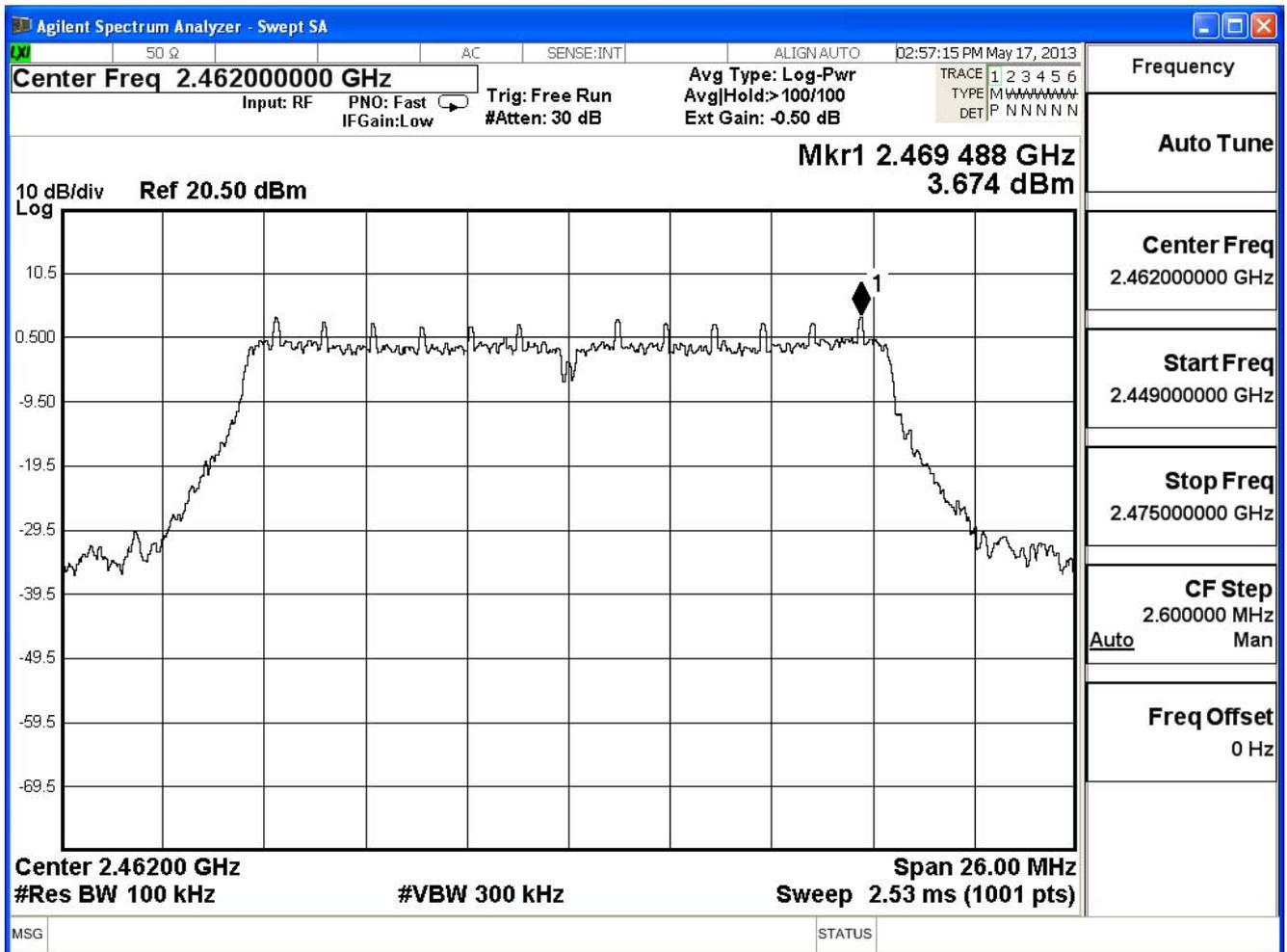
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

IEEE 802.11g					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
1	2412	4.20	-11.00	≤ 8	Pass
6	2437	4.46	-10.74	≤ 8	Pass
11	2462	3.67	-11.53	≤ 8	Pass

Channel 1



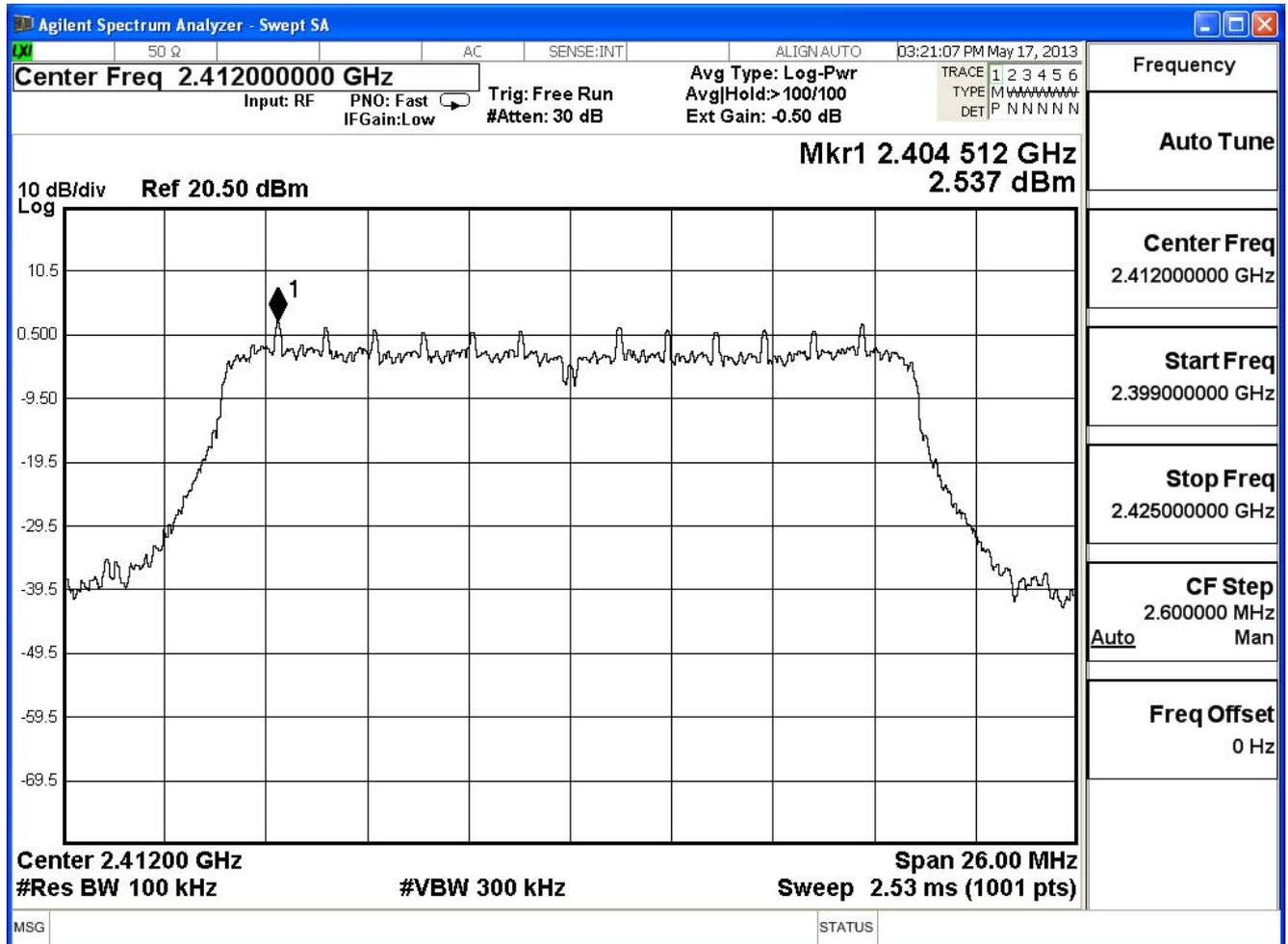
Channel 11



Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	2.53	-12.67	≤ 8	Pass
6	2437	4.46	-10.74	≤ 8	Pass
11	2462	1.64	-13.56	≤ 8	Pass

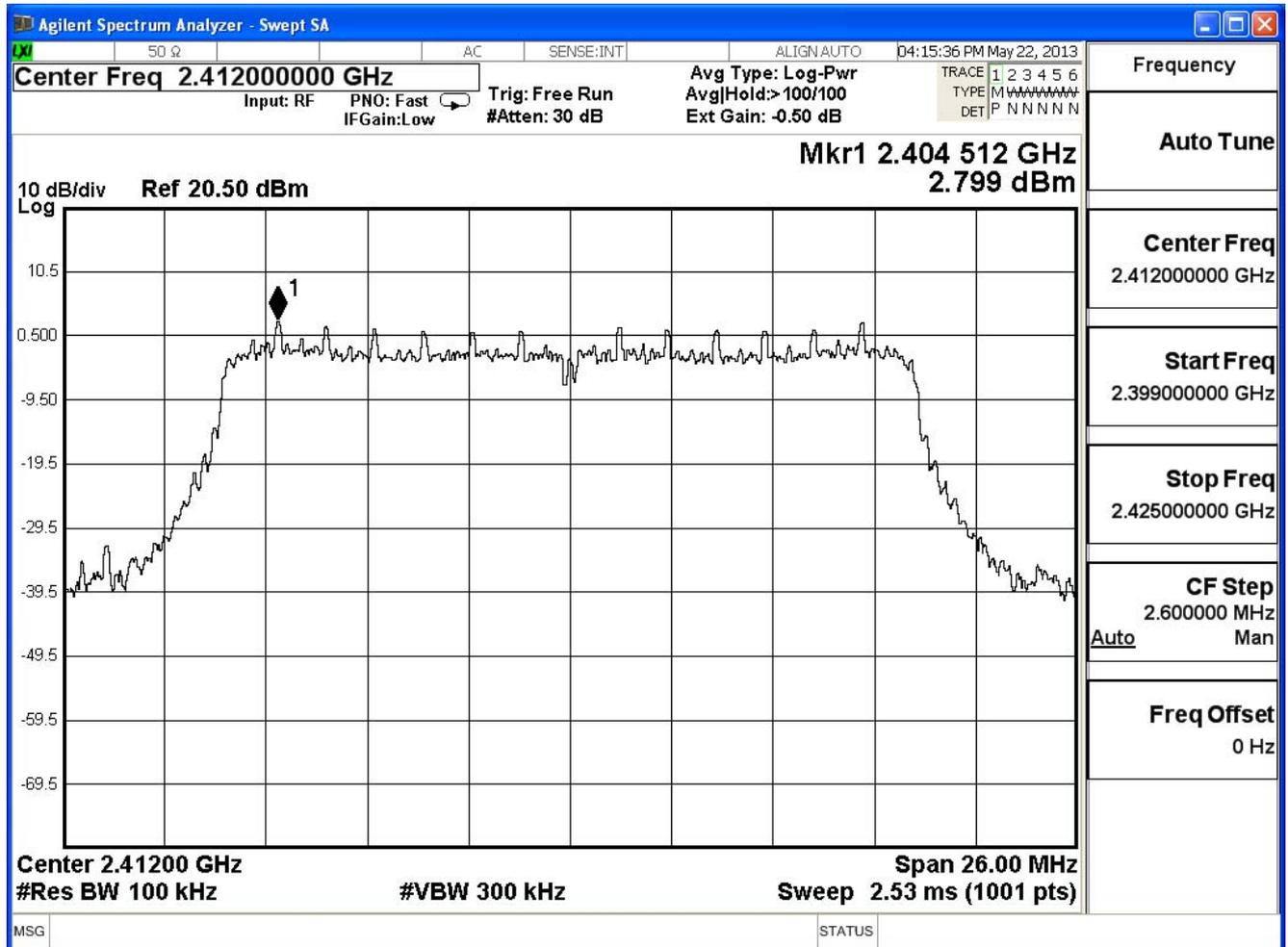
Channel 1



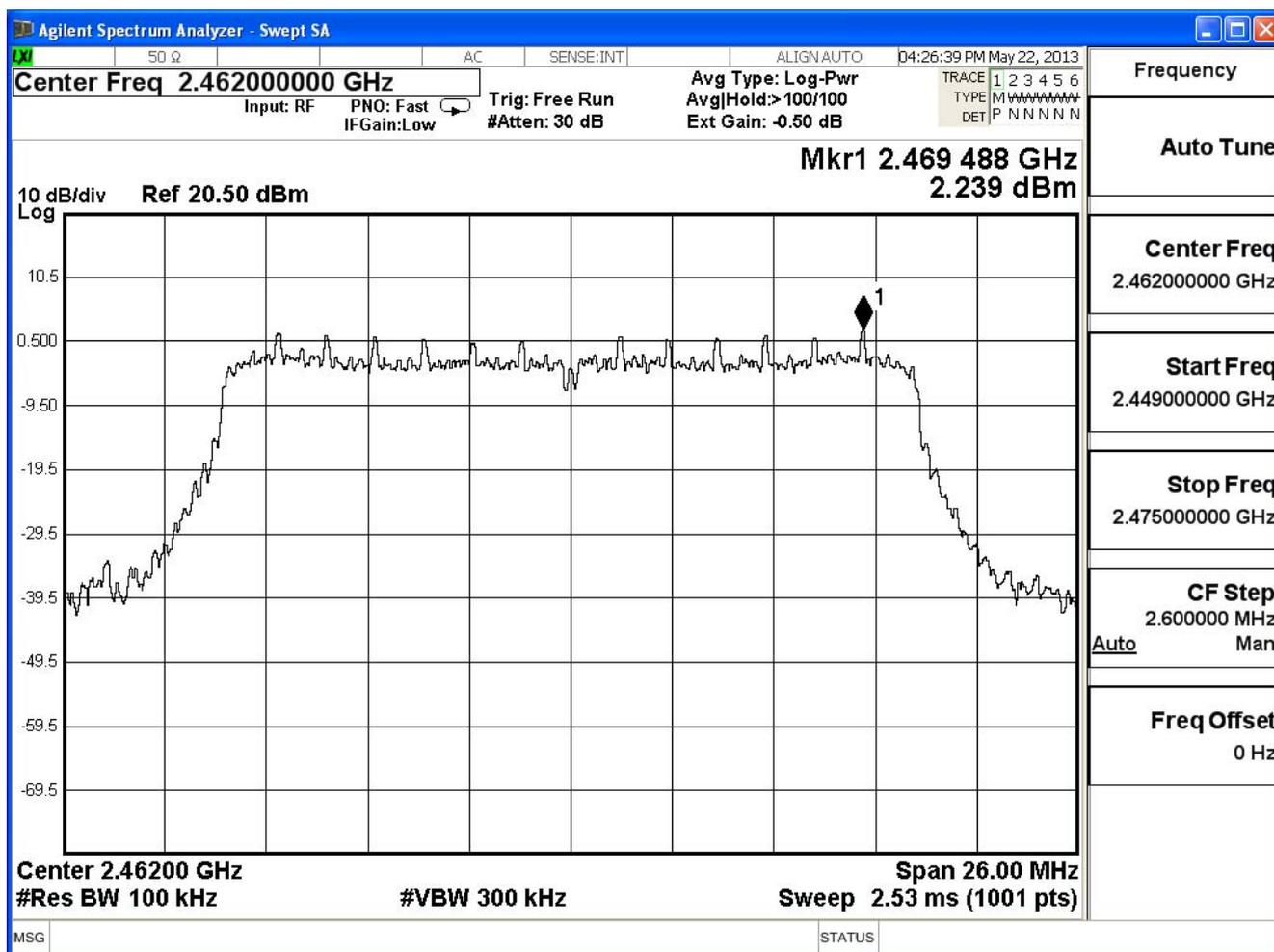
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
1	2412	2.79	-12.41	≤ 8	Pass
6	2437	4.17	-11.03	≤ 8	Pass
11	2462	2.23	-12.97	≤ 8	Pass

Channel 1



Channel 11



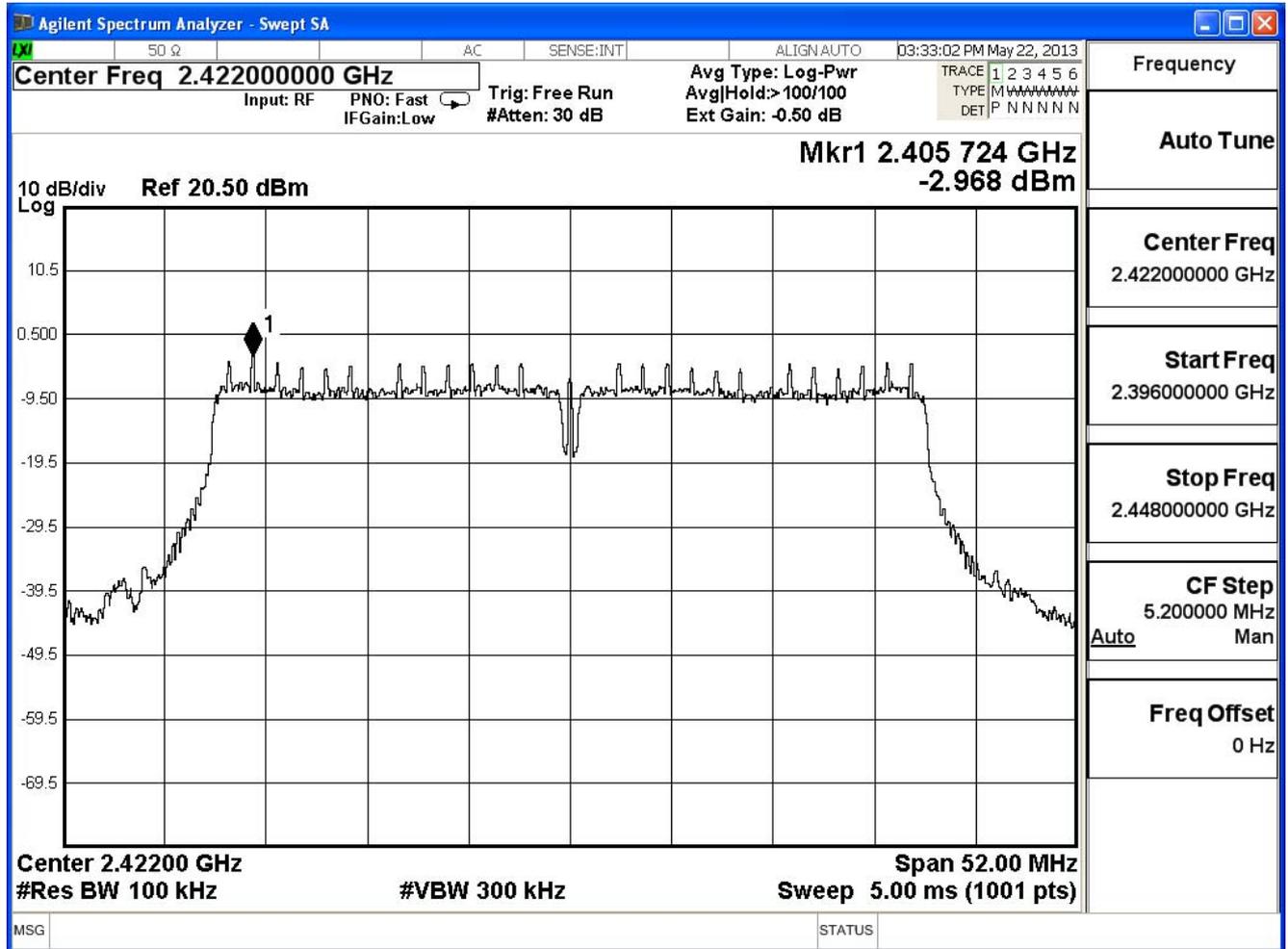
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

IEEE802.11n 20MHz (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-9.53	≤ 8	Pass
6	2437	-7.87	≤ 8	Pass
11	2462	-10.24	≤ 8	Pass

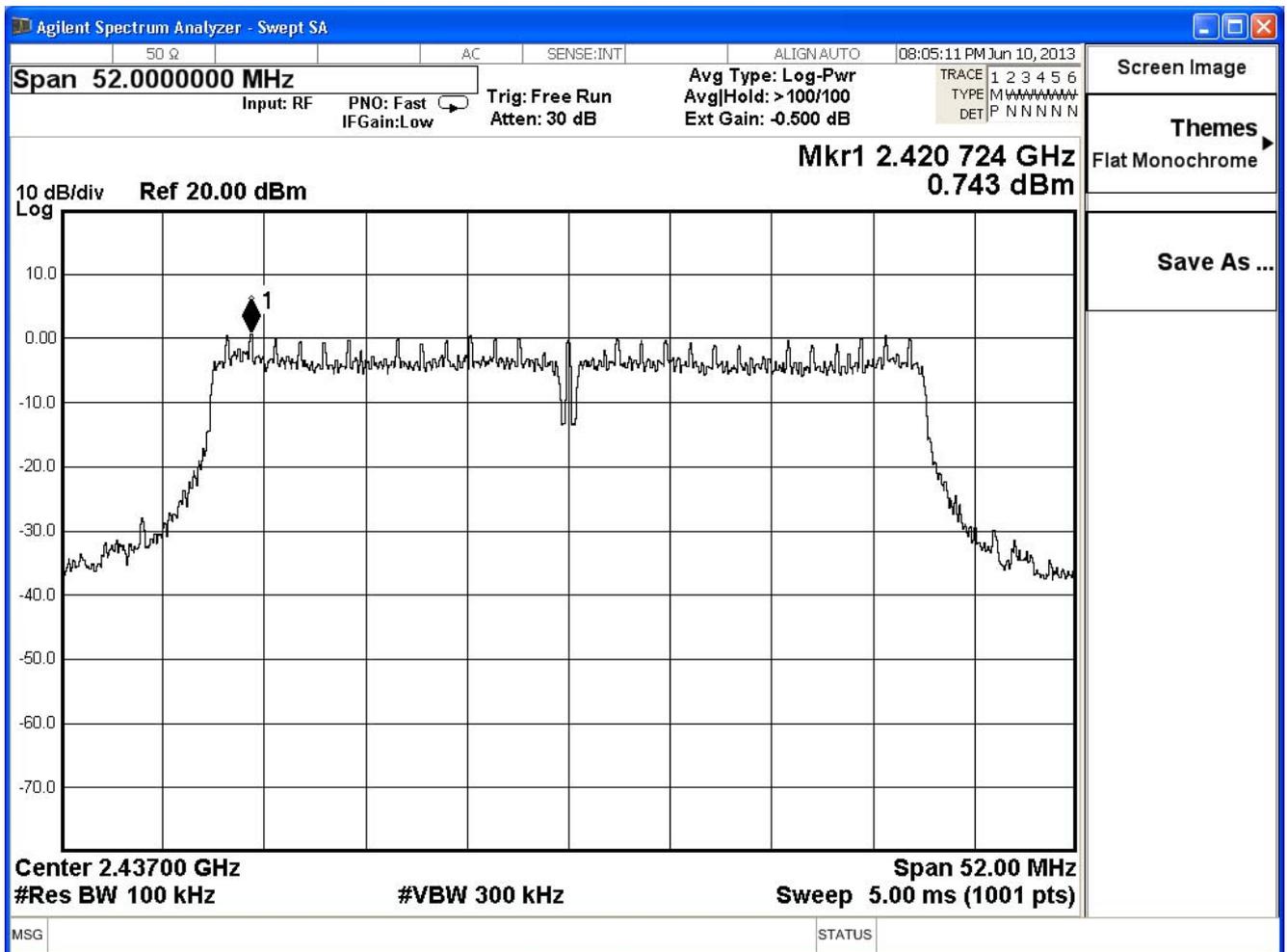
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
3	2422	-2.96	-18.16	≤ 8	Pass
6	2437	0.74	-14.46	≤ 8	Pass
9	2452	-3.70	-18.90	≤ 8	Pass

Channel 3



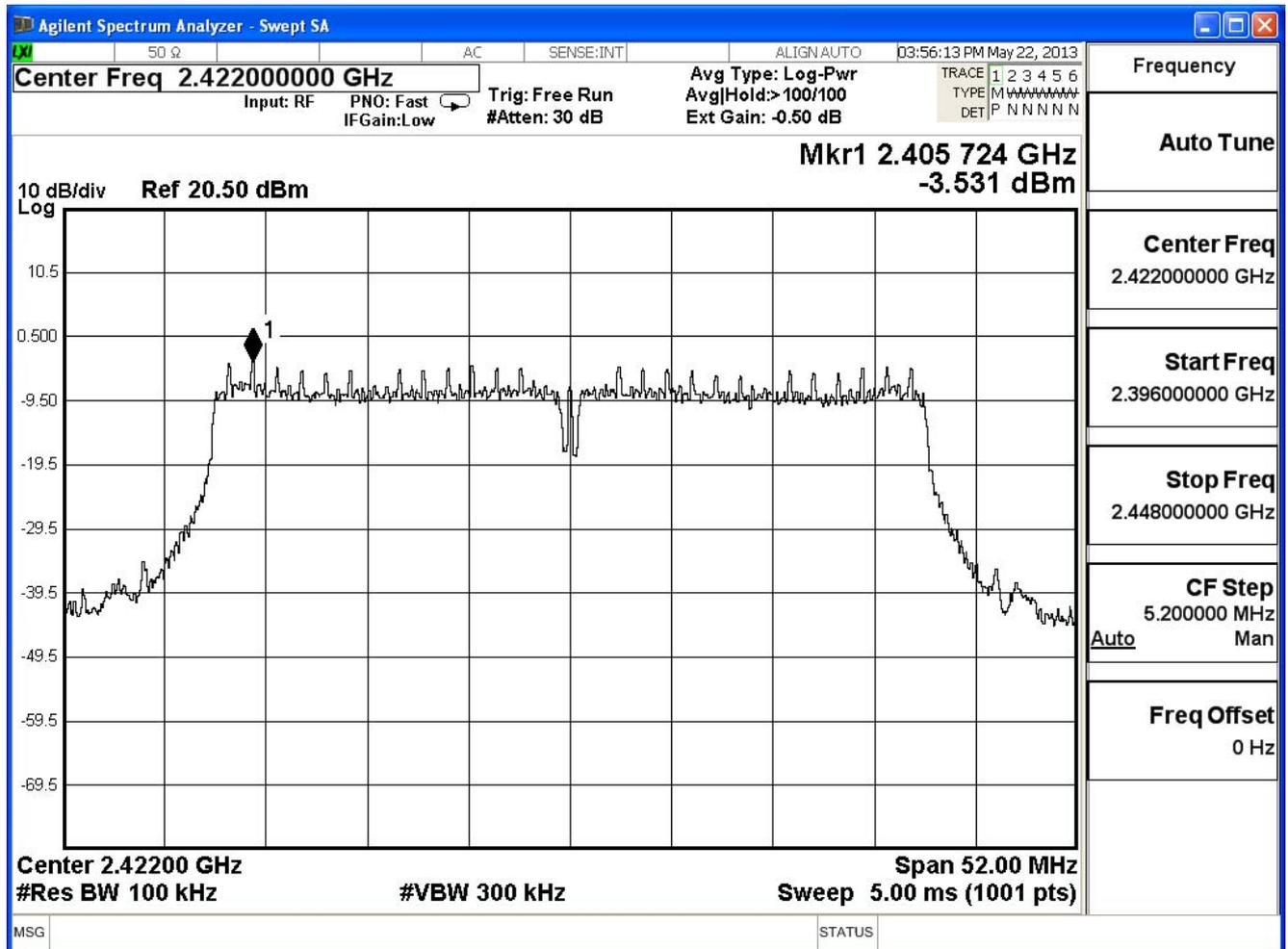
Channel 6



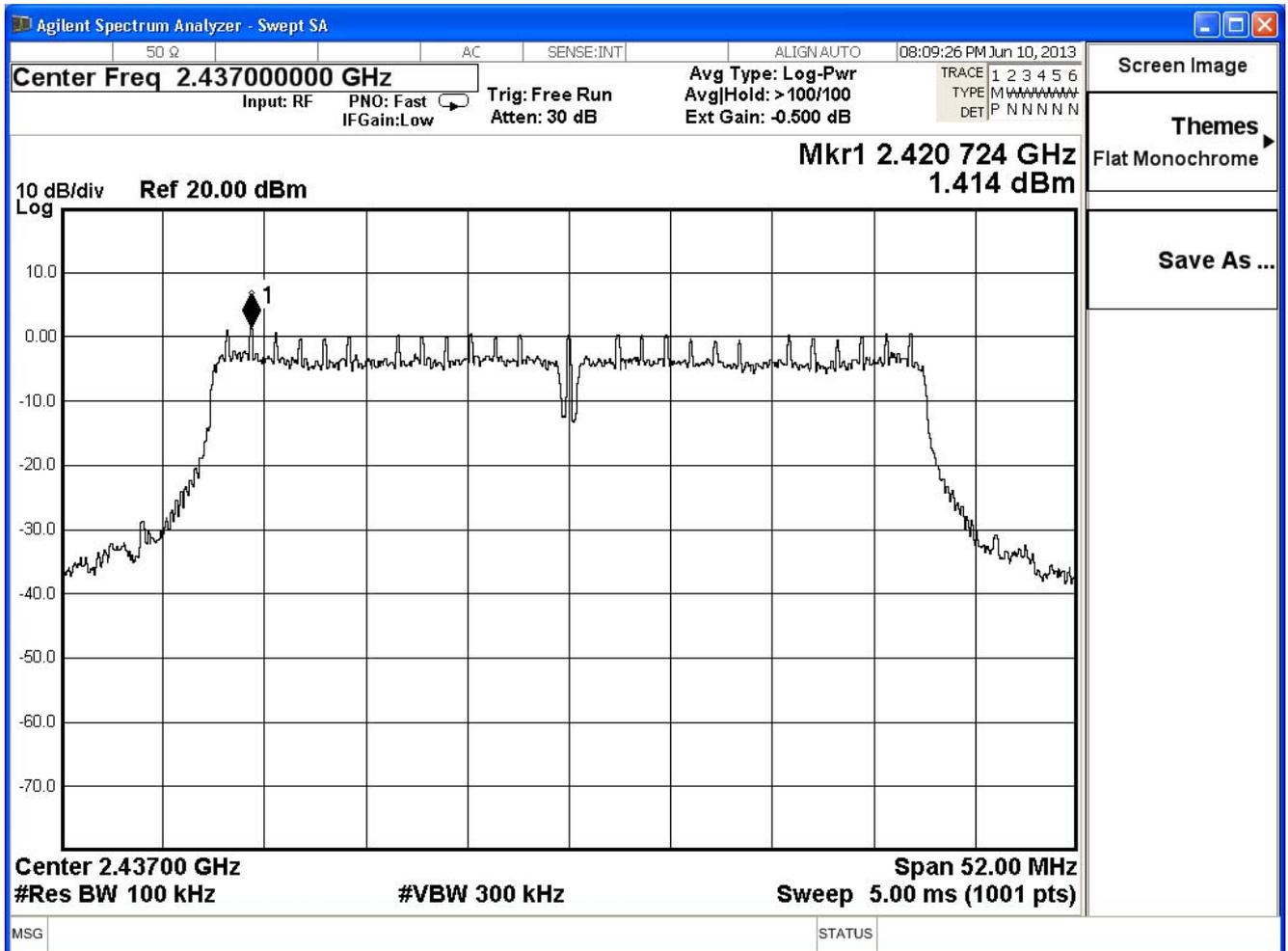
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-3.53	-18.73	≤ 8	Pass
6	2437	1.41	-13.79	≤ 8	Pass
9	2452	-3.73	-18.93	≤ 8	Pass

Channel 3



Channel 6



Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

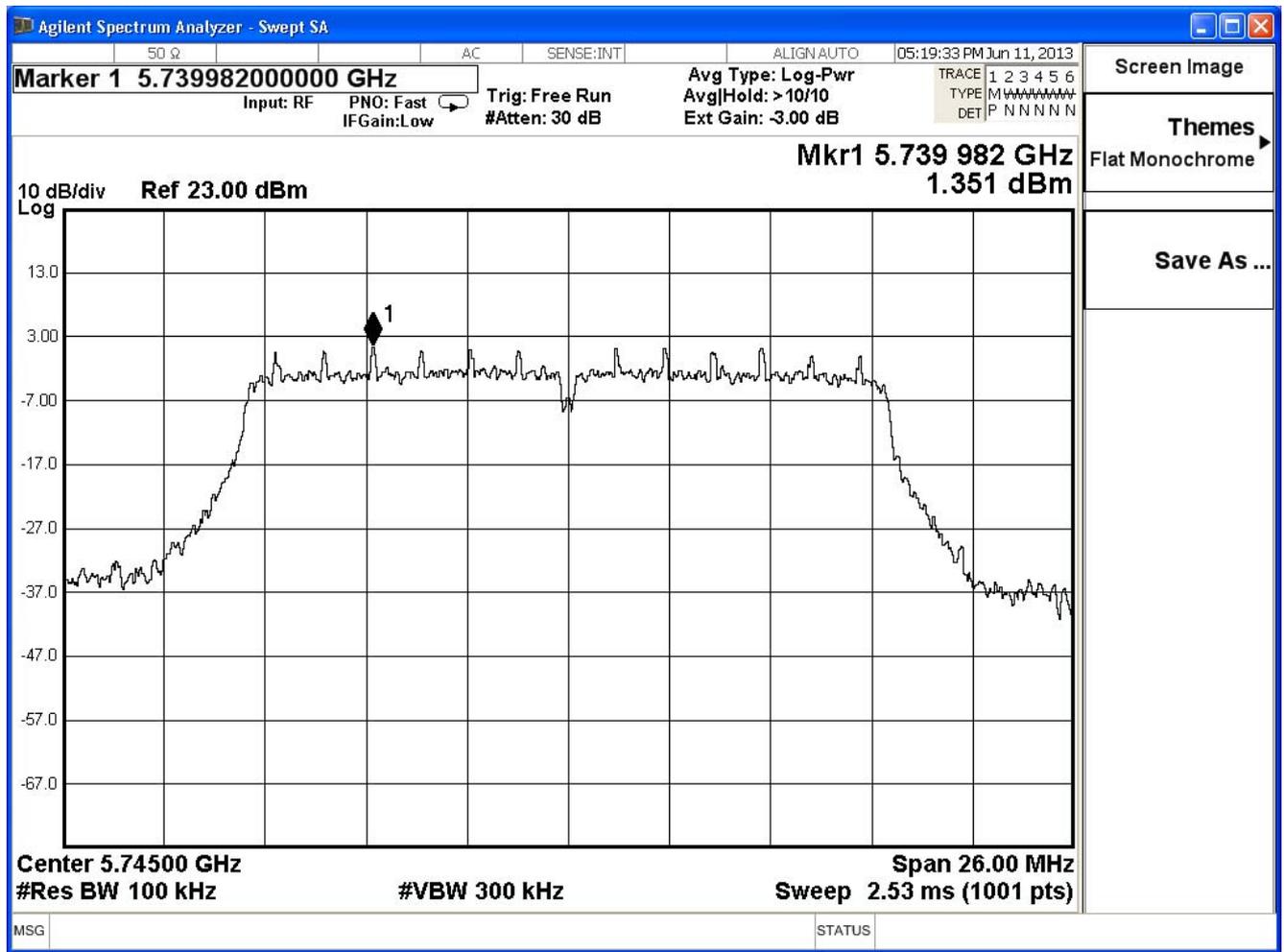
IEEE802.11n 40MHz(ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-15.43	≤ 8	Pass
6	2437	-11.10	≤ 8	Pass
9	2452	-15.90	≤ 8	Pass

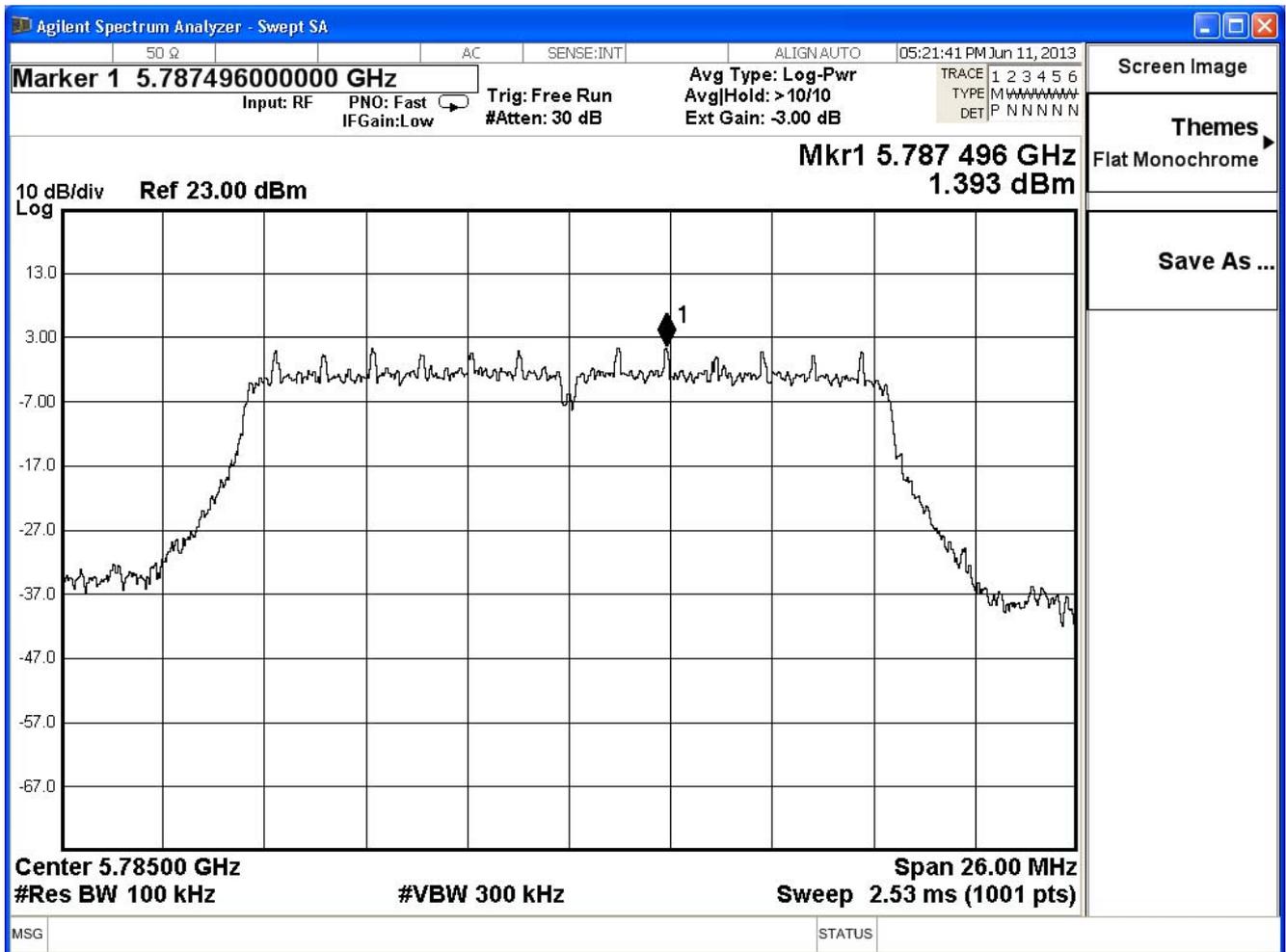
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

IEEE 802.11a					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	1.35	-13.85	≤ 8	Pass
157	5785	1.39	-13.81	≤ 8	Pass
165	5825	1.39	-13.81	≤ 8	Pass

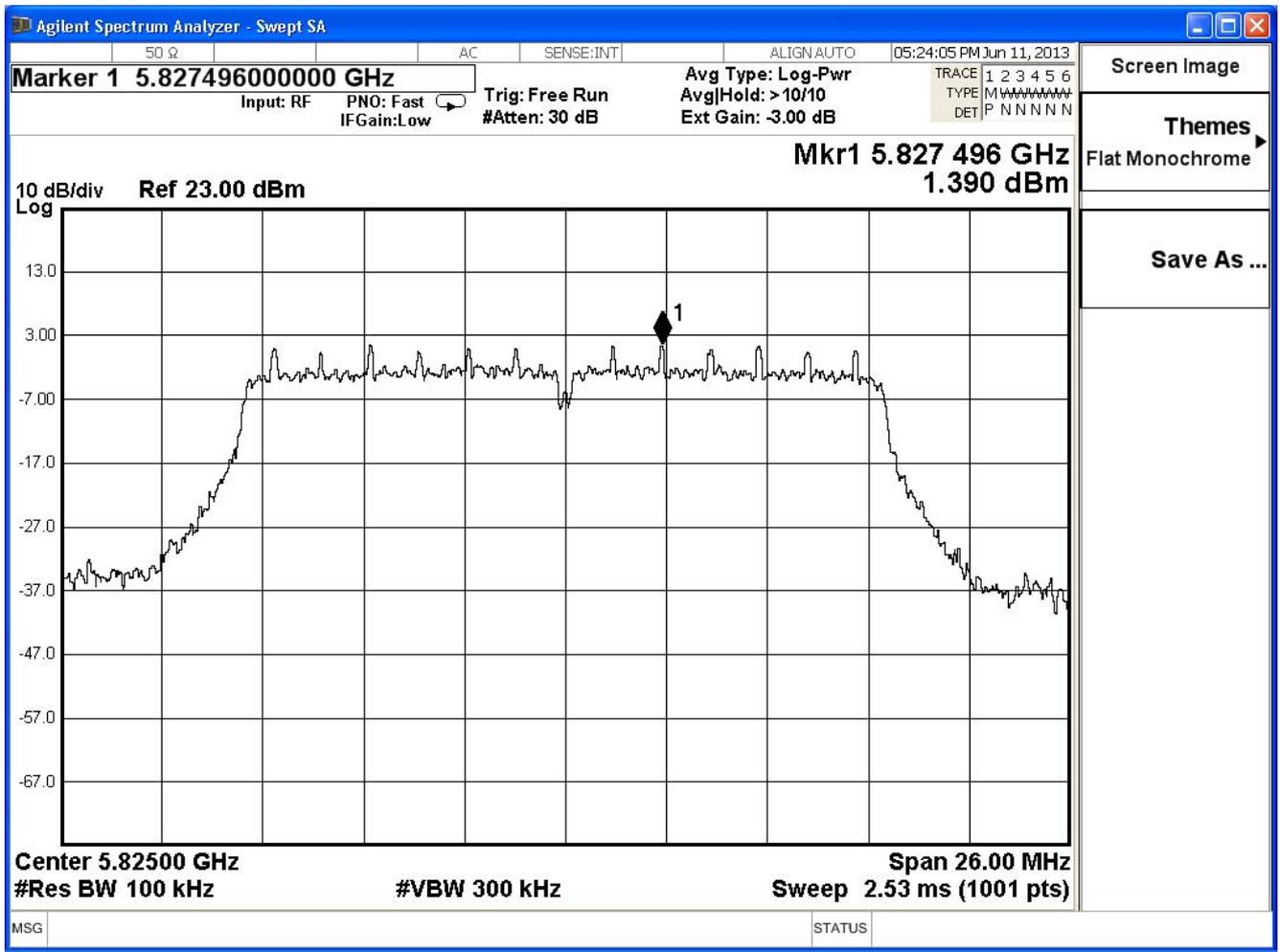
Channel 149



Channel 157



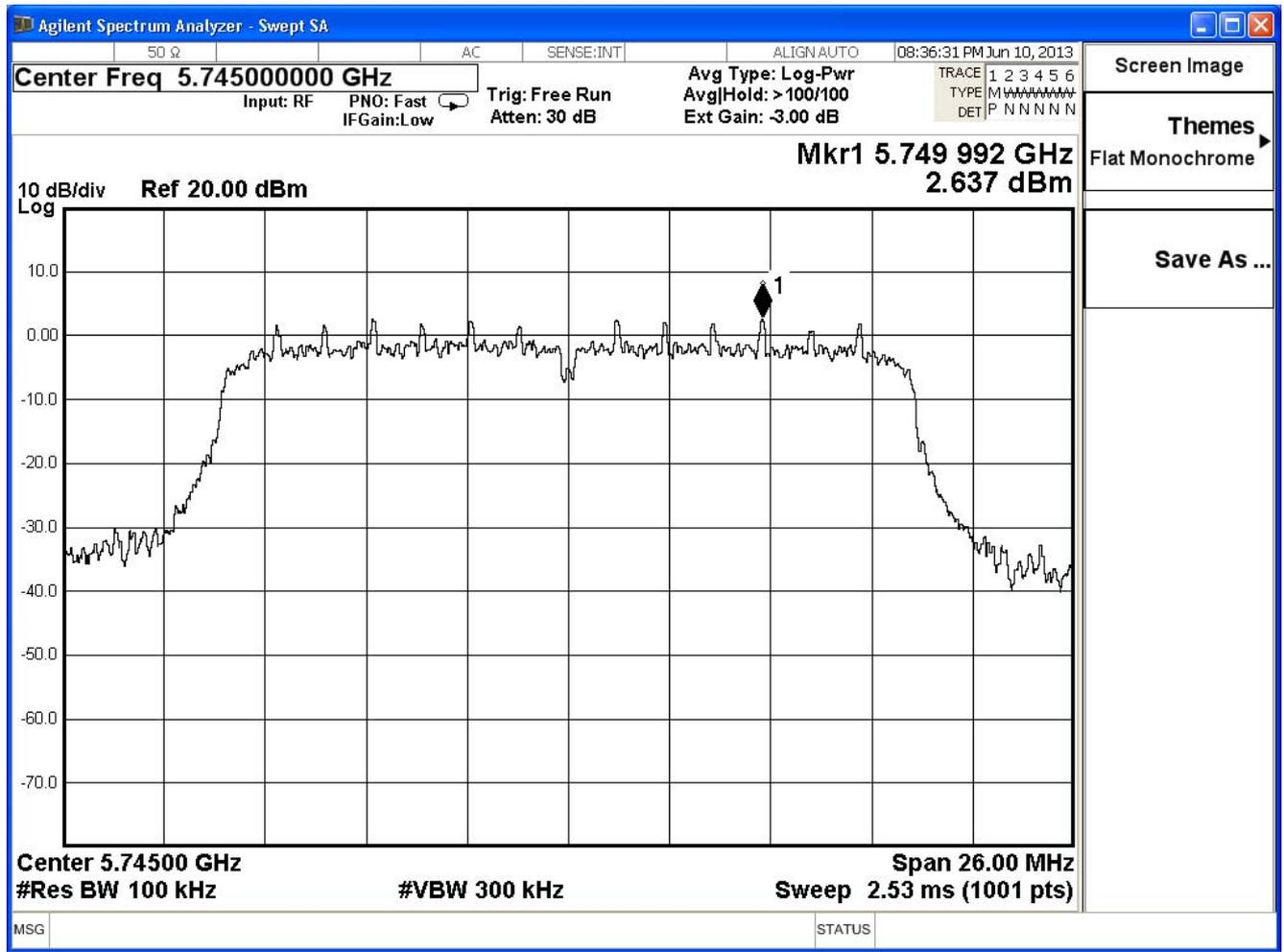
Channel 165



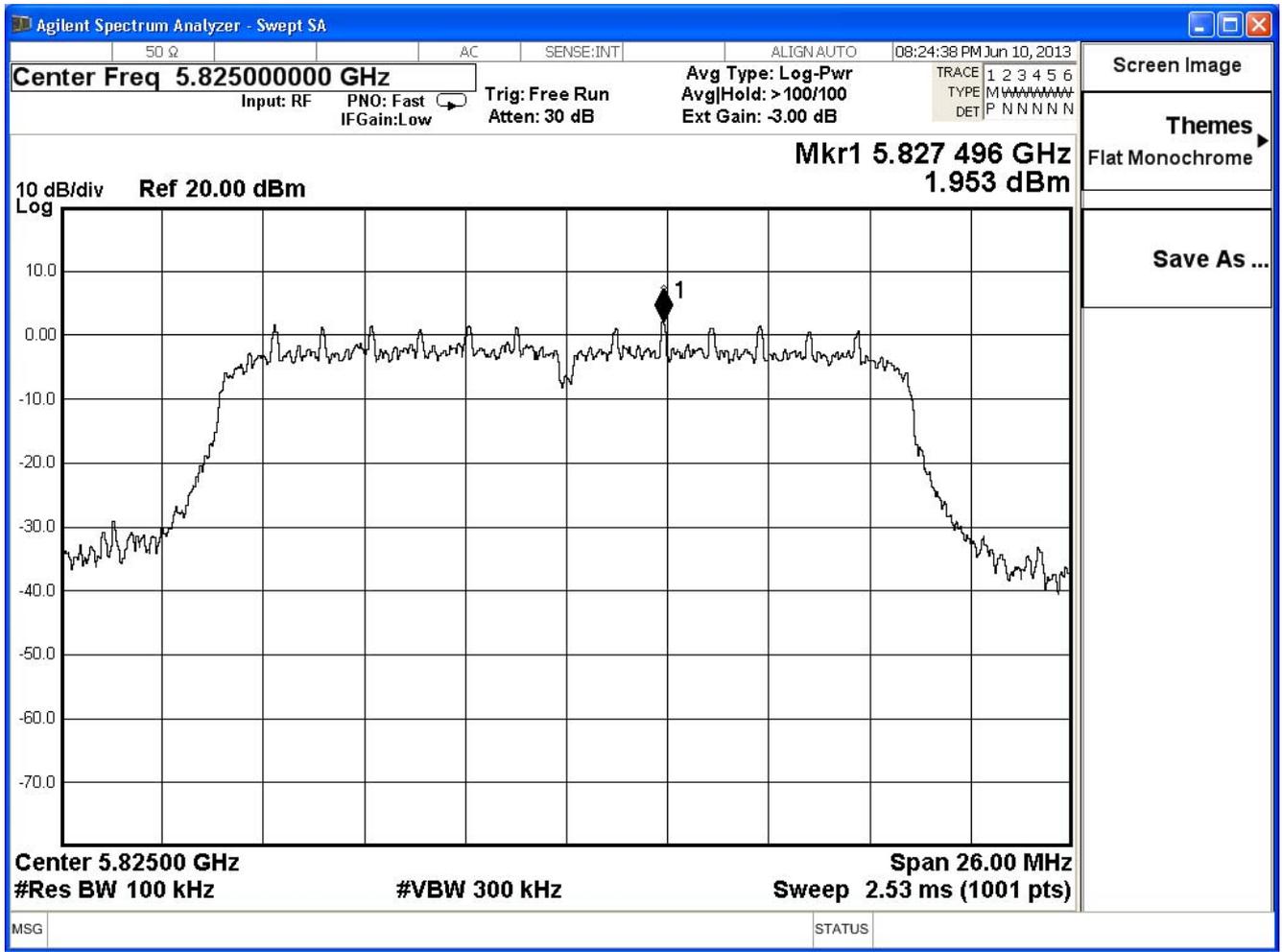
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
149	5745	2.63	-12.57	≤ 7.49	Pass
157	5785	1.55	-13.65	≤ 7.49	Pass
165	5825	1.95	-13.25	≤ 7.49	Pass

Channel 149



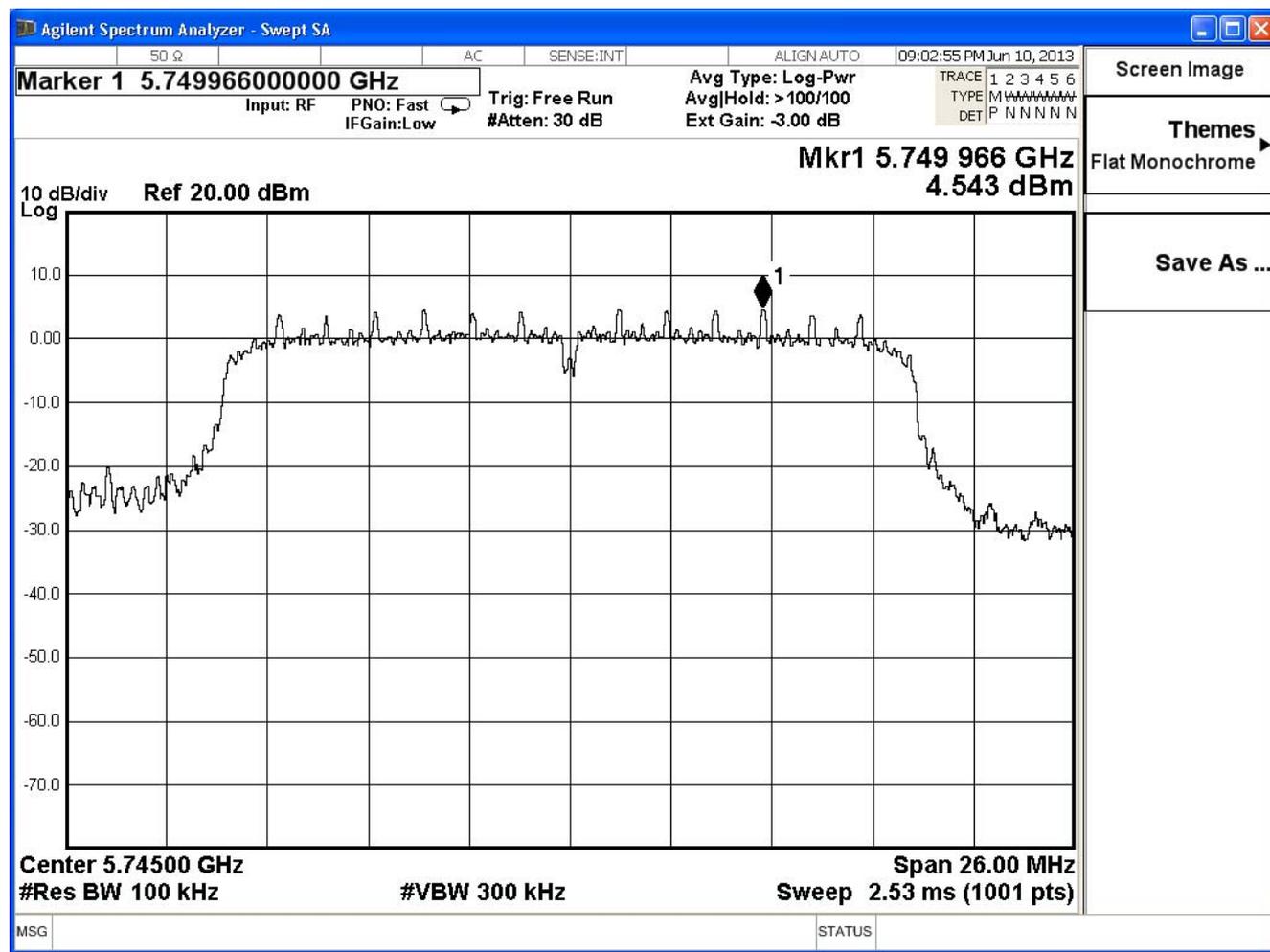
Channel 165



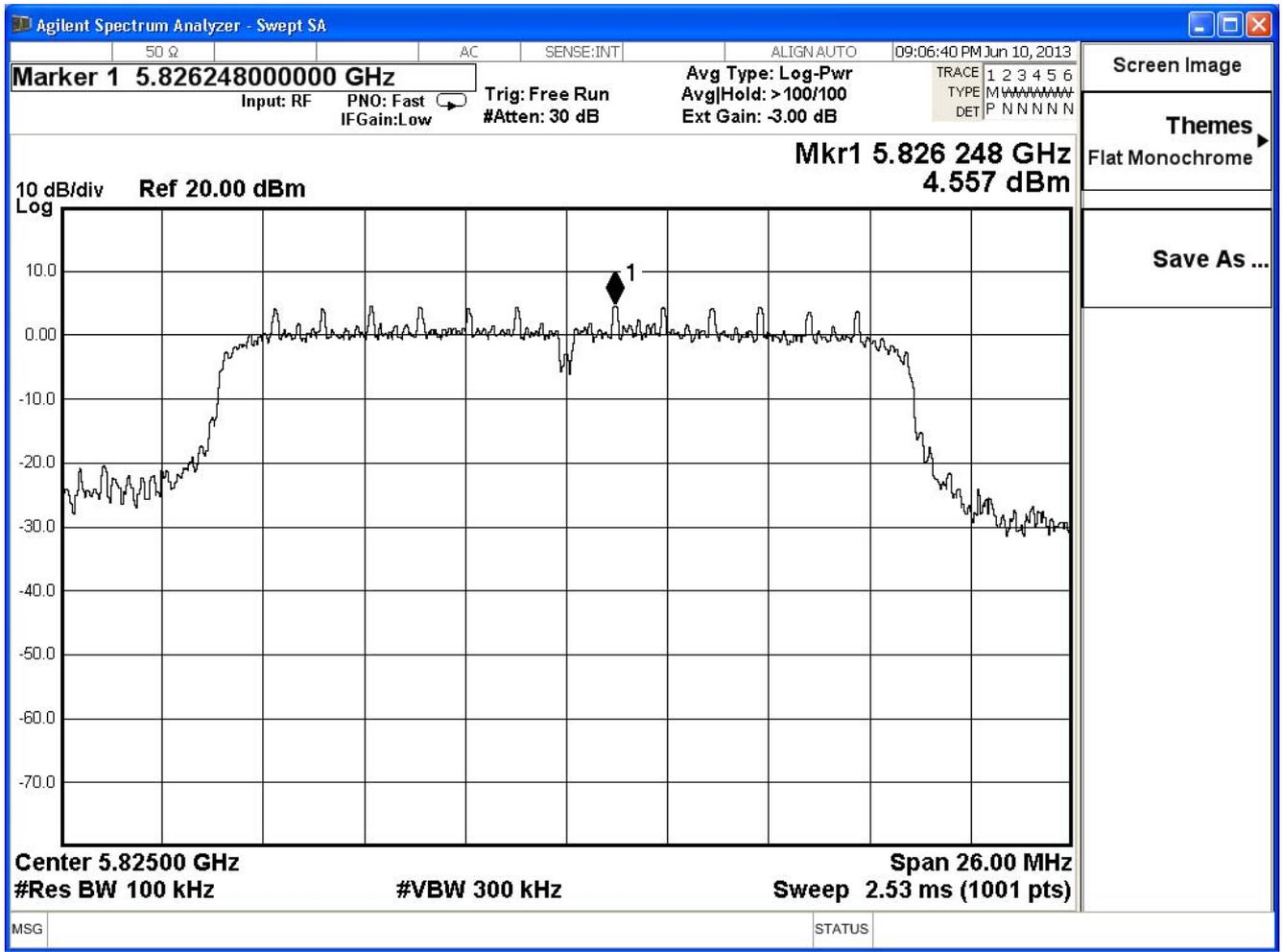
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	4.54	-10.66	≤ 7.49	Pass
157	5785	1.46	-13.74	≤ 7.49	Pass
165	5825	4.55	-10.65	≤ 7.49	Pass

Channel 149



Channel 165



Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

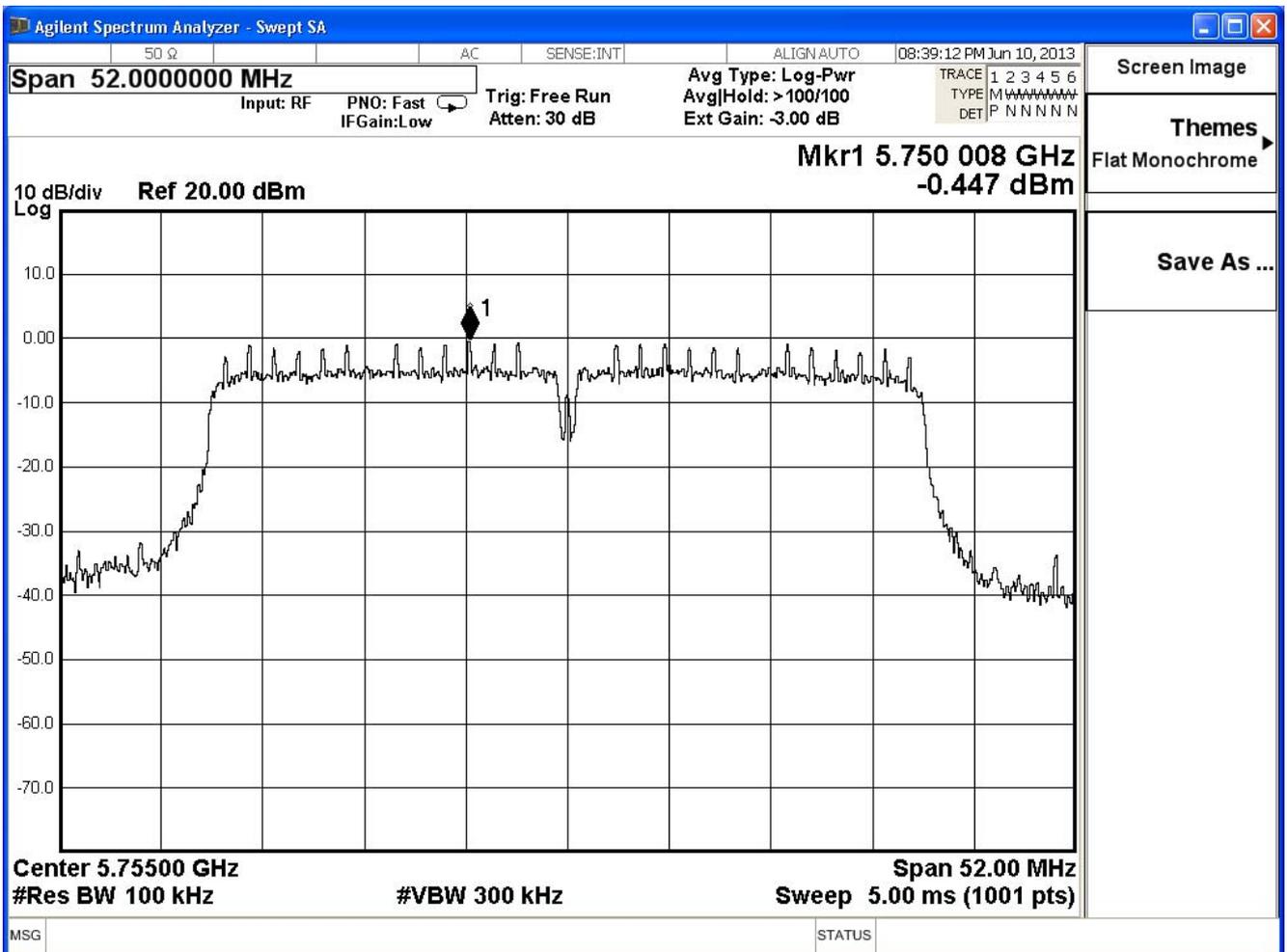
IEEE802.11n 20MHz(ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-8.50	≤ 7.49	Pass
157	5785	-10.68	≤ 7.49	Pass
165	5825	-8.75	≤ 7.49	Pass

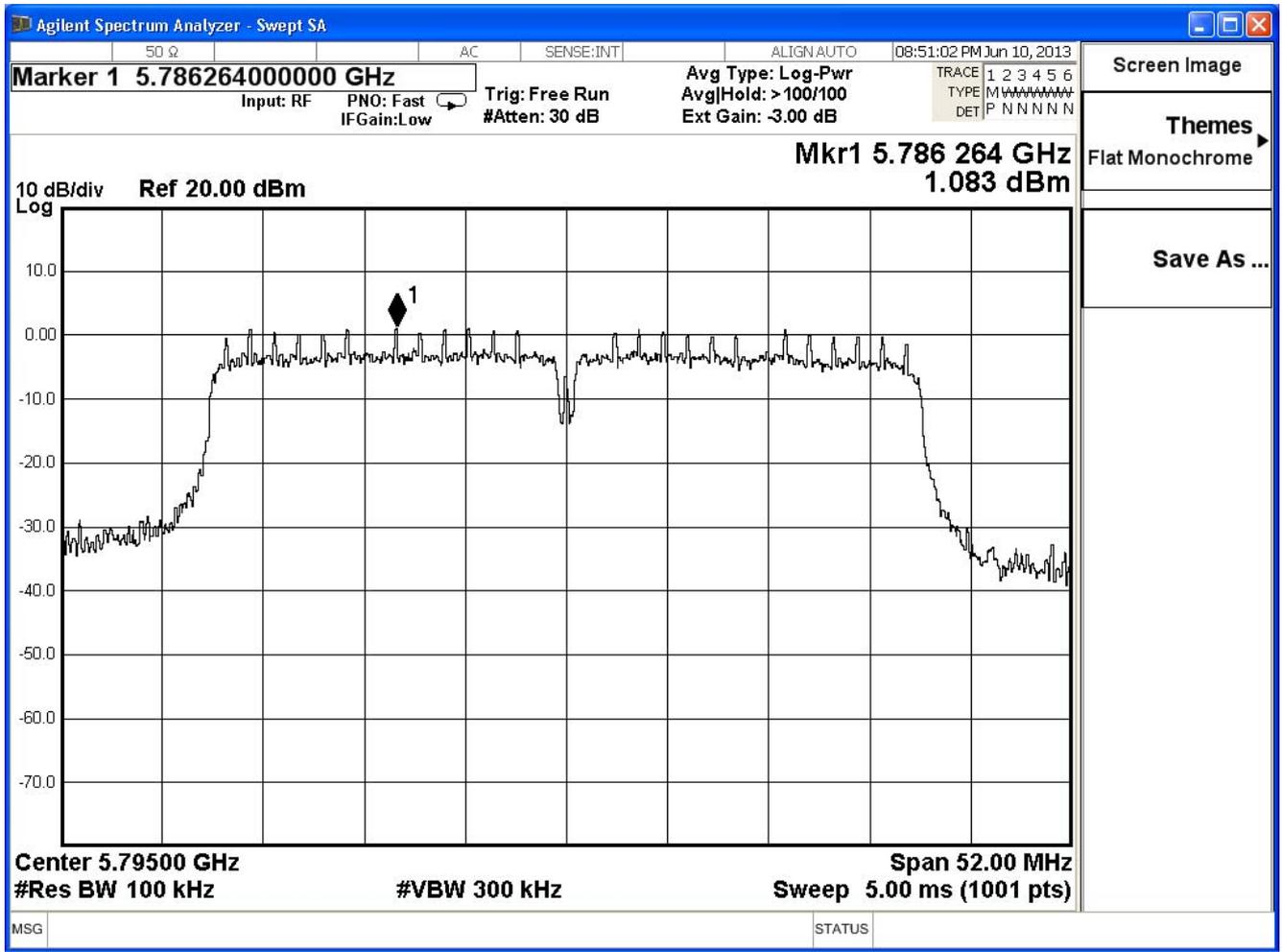
Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/05/22	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
151	5755	-0.44	-15.64	≤7.49	Pass
159	5795	1.08	-14.12	≤7.49	Pass

Channel 151



Channel 159



Product	RP-N53 Dual-Band Wireless N-600 Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2013/06/11	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-10.99	≤ 7.49	Pass
159	5795	-10.25	≤ 7.49	Pass