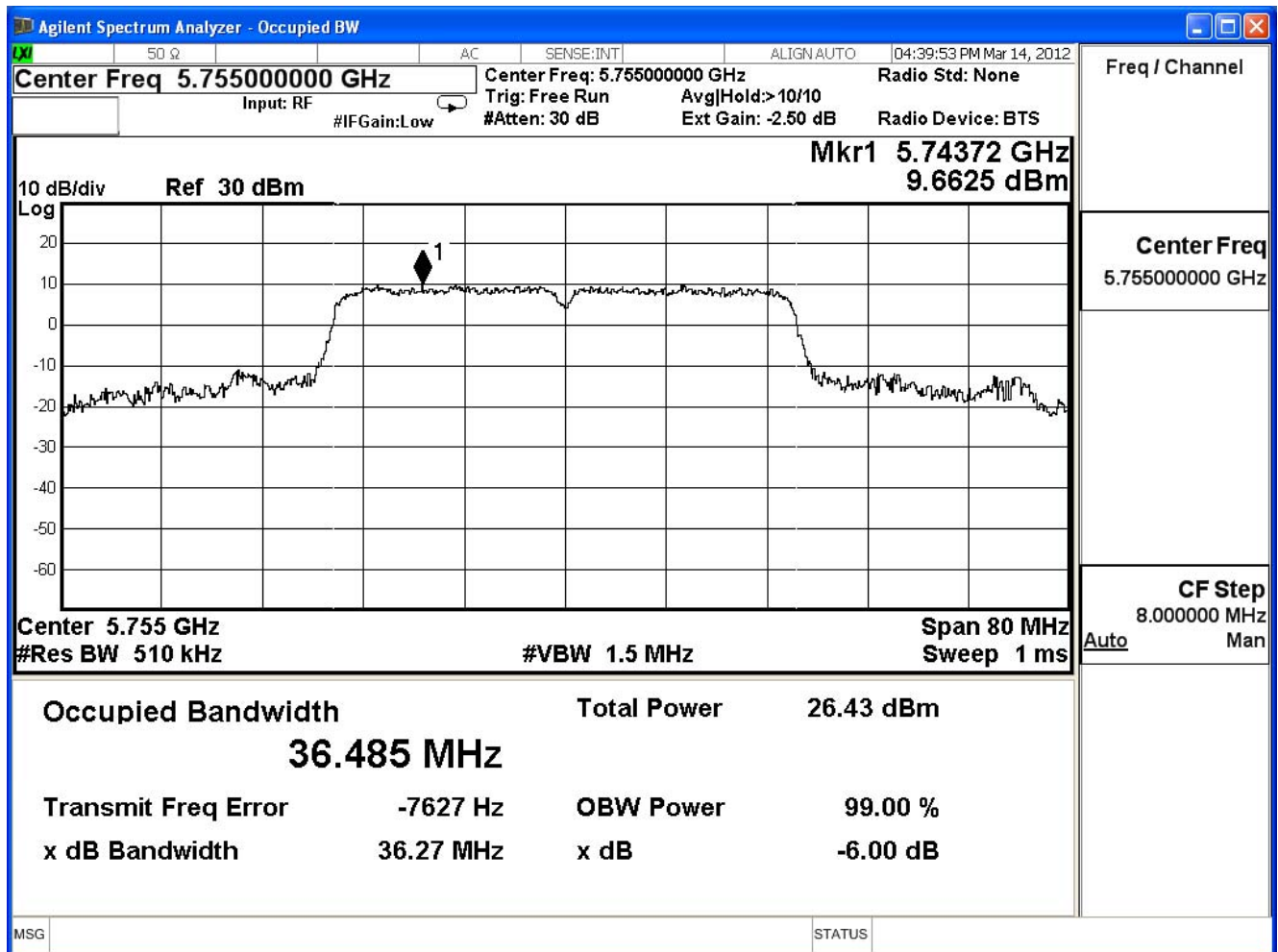


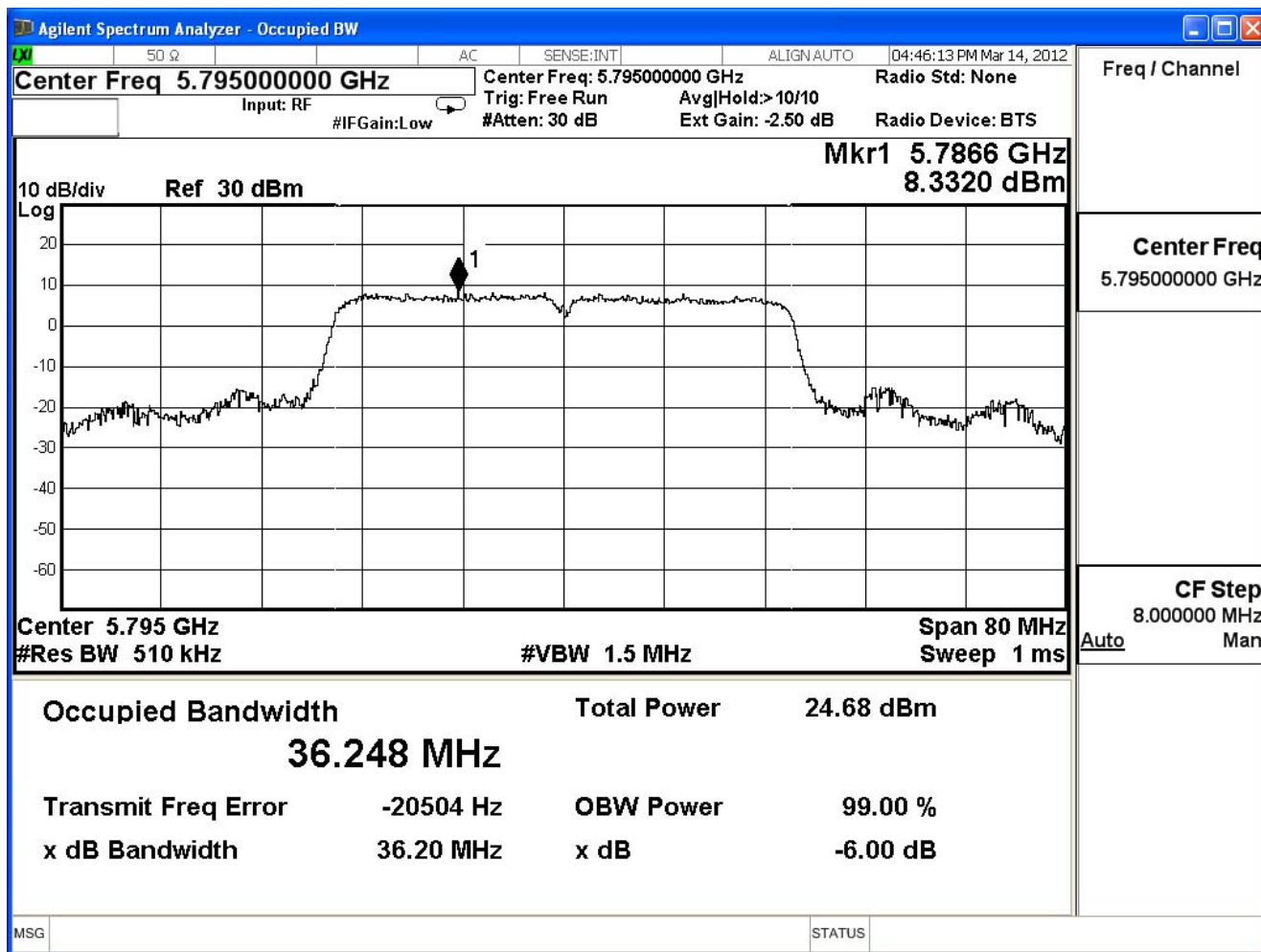
Product	Wireless Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/14	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.27	≥ 0.5	Pass
159	5795	36.20	≥ 0.5	Pass

Channel 151



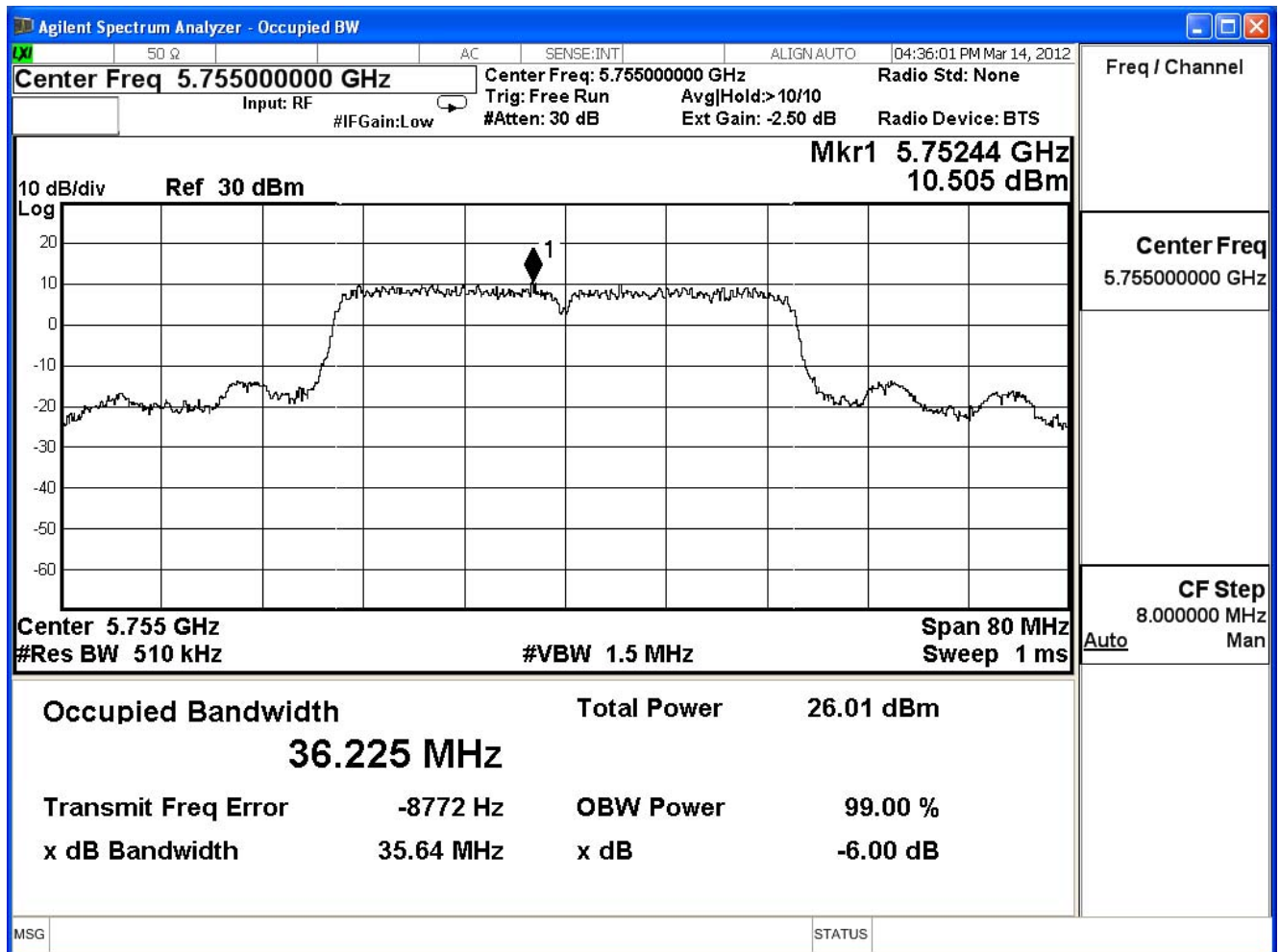
Channel 159



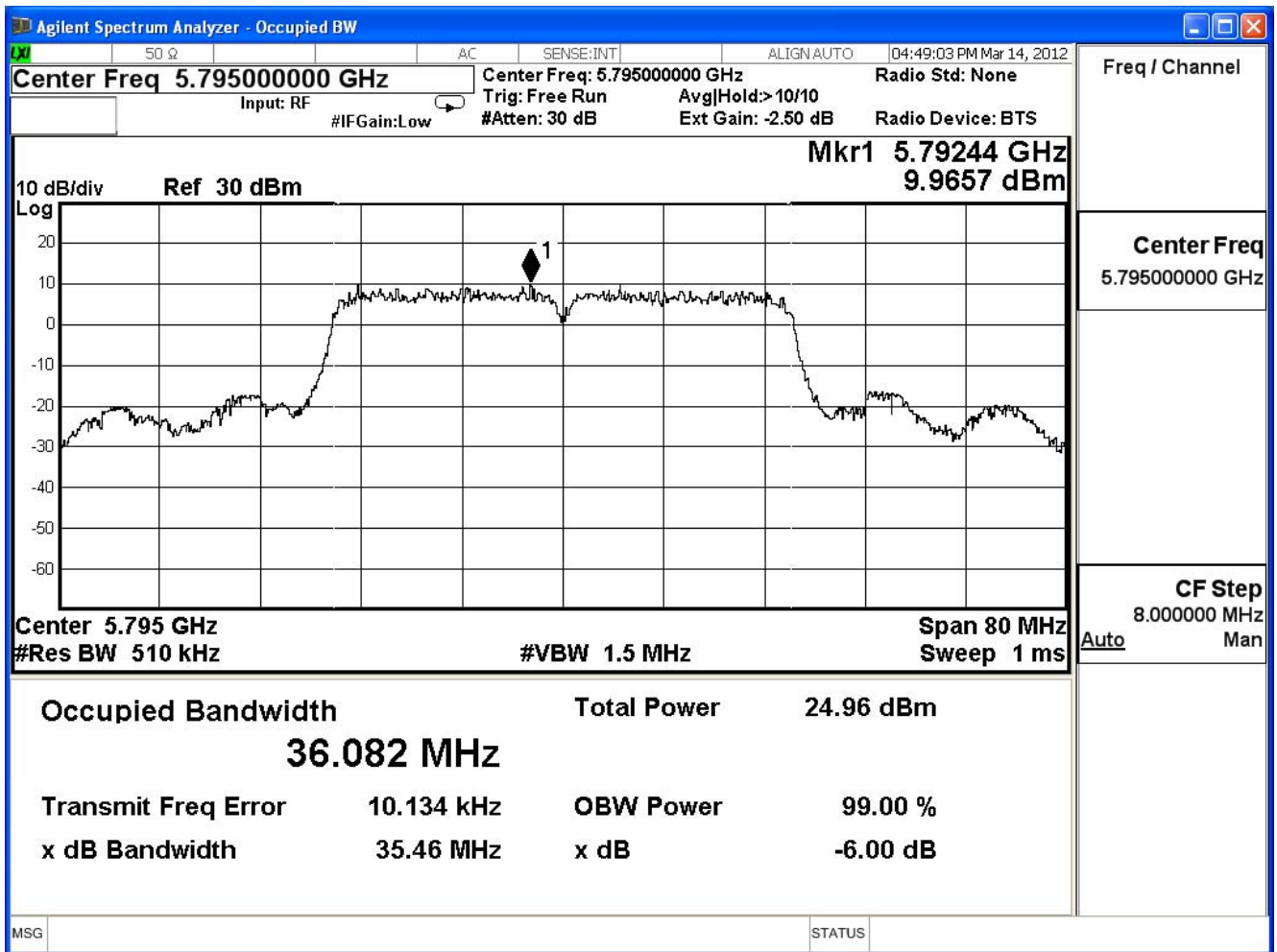
Product	Wireless Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/14	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	35.64	≥ 0.5	Pass
159	5795	35.46	≥ 0.5	Pass

Channel 151



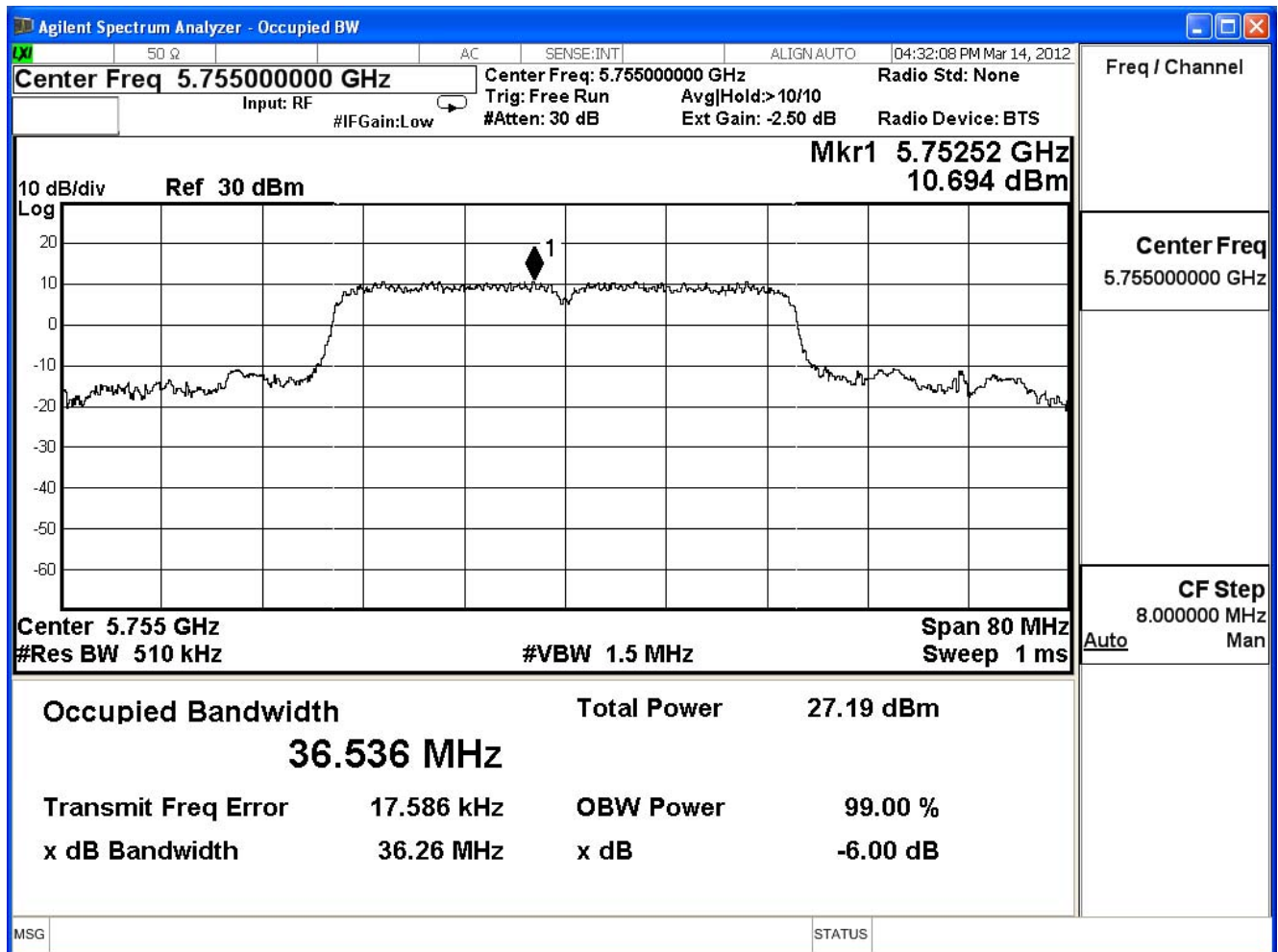
Channel 159



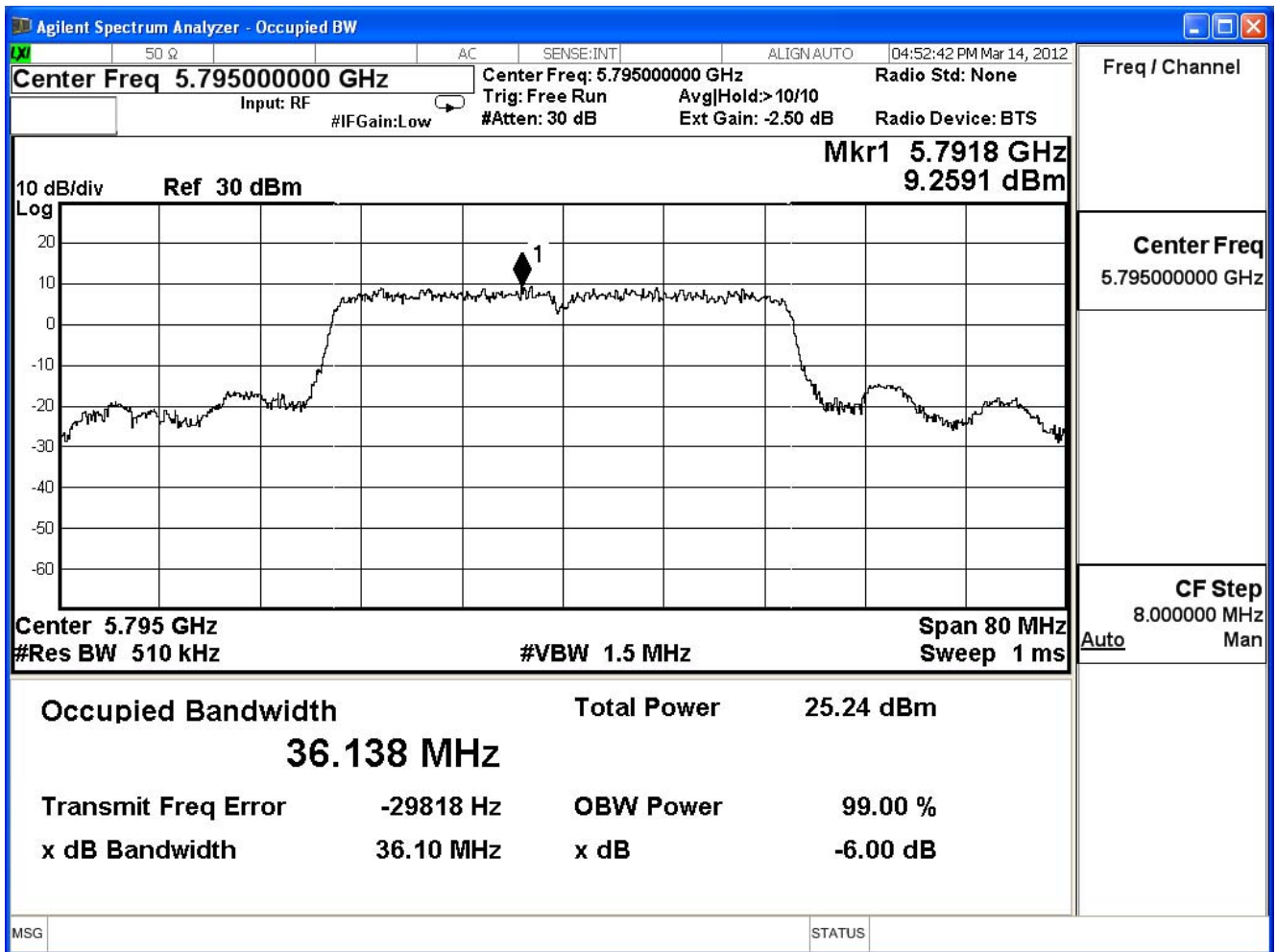
Product	Wireless Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/14	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.26	≥ 0.5	Pass
159	5795	36.10	≥ 0.5	Pass

Channel 151



Channel 159



7. Power Density

7.1. Test Equipment

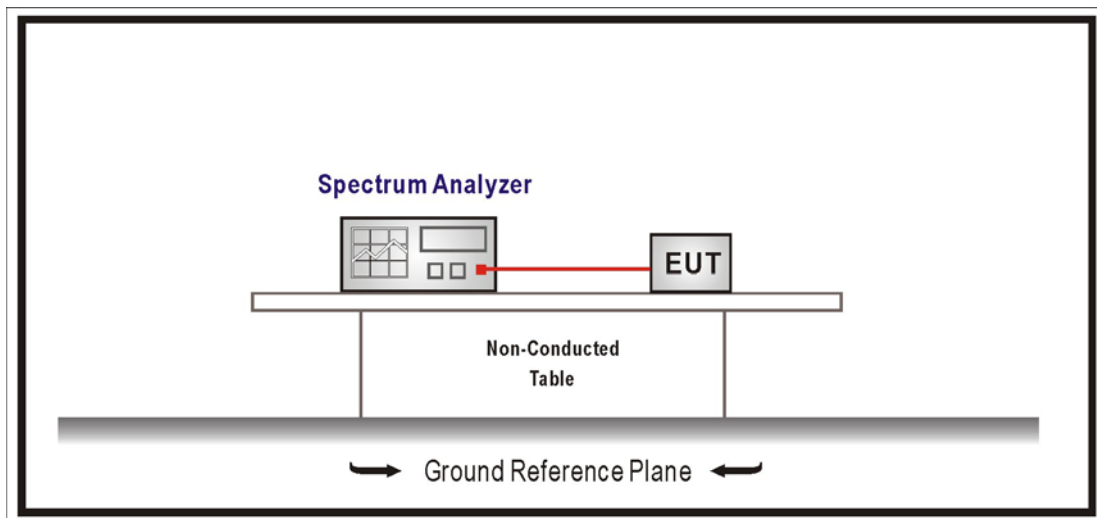
The following test equipment is used during the test:

Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2013/02/19

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

7.2. Test Setup



7.3. 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.

7.4. 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= 3 kHz, Set VBW \geq 9 kHz, Sweep time=Auto, Set detector=Peak detector

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

7.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

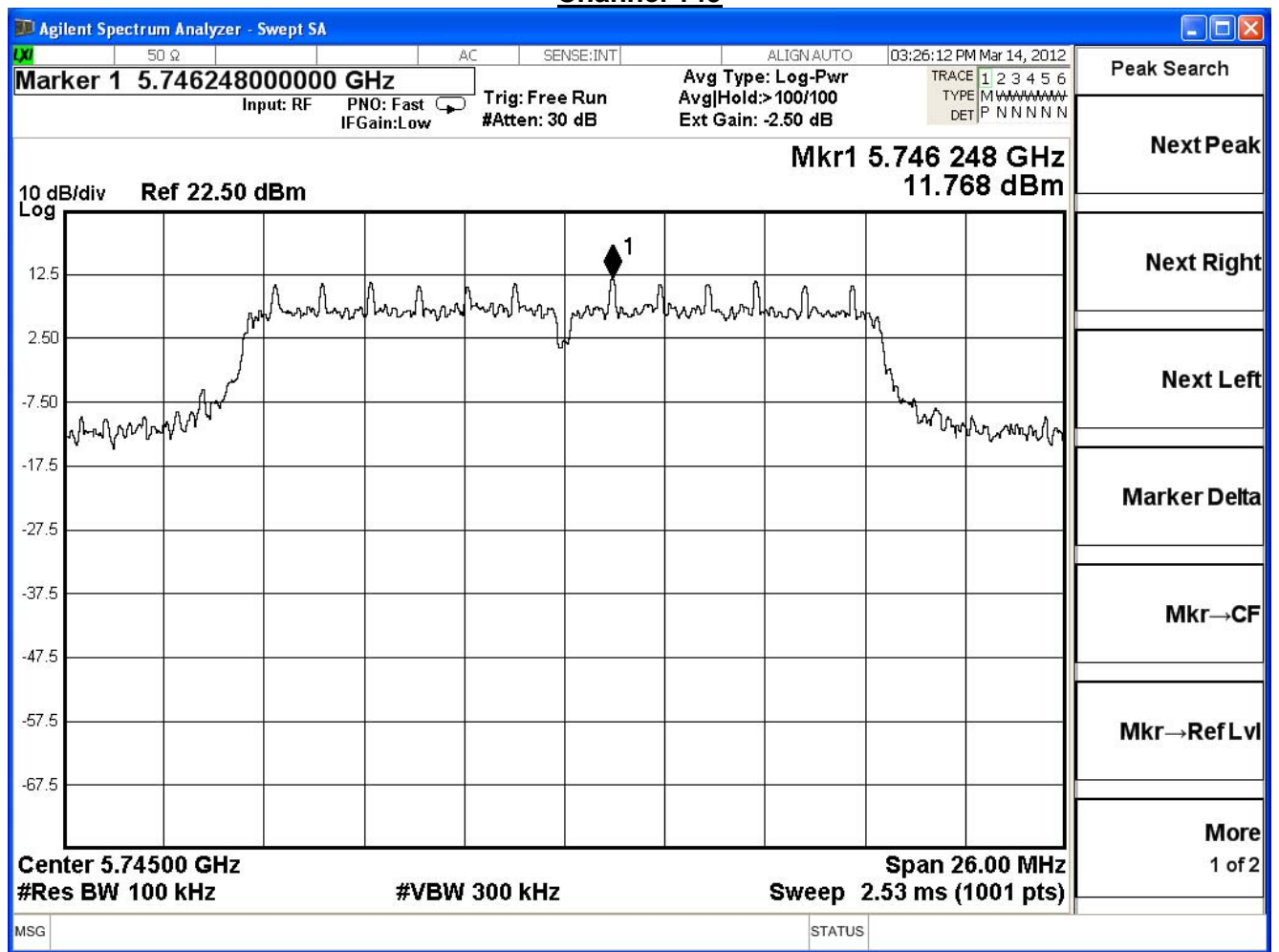
7.7. Test Result

Product	Wireless Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/14	Test Site	SR7

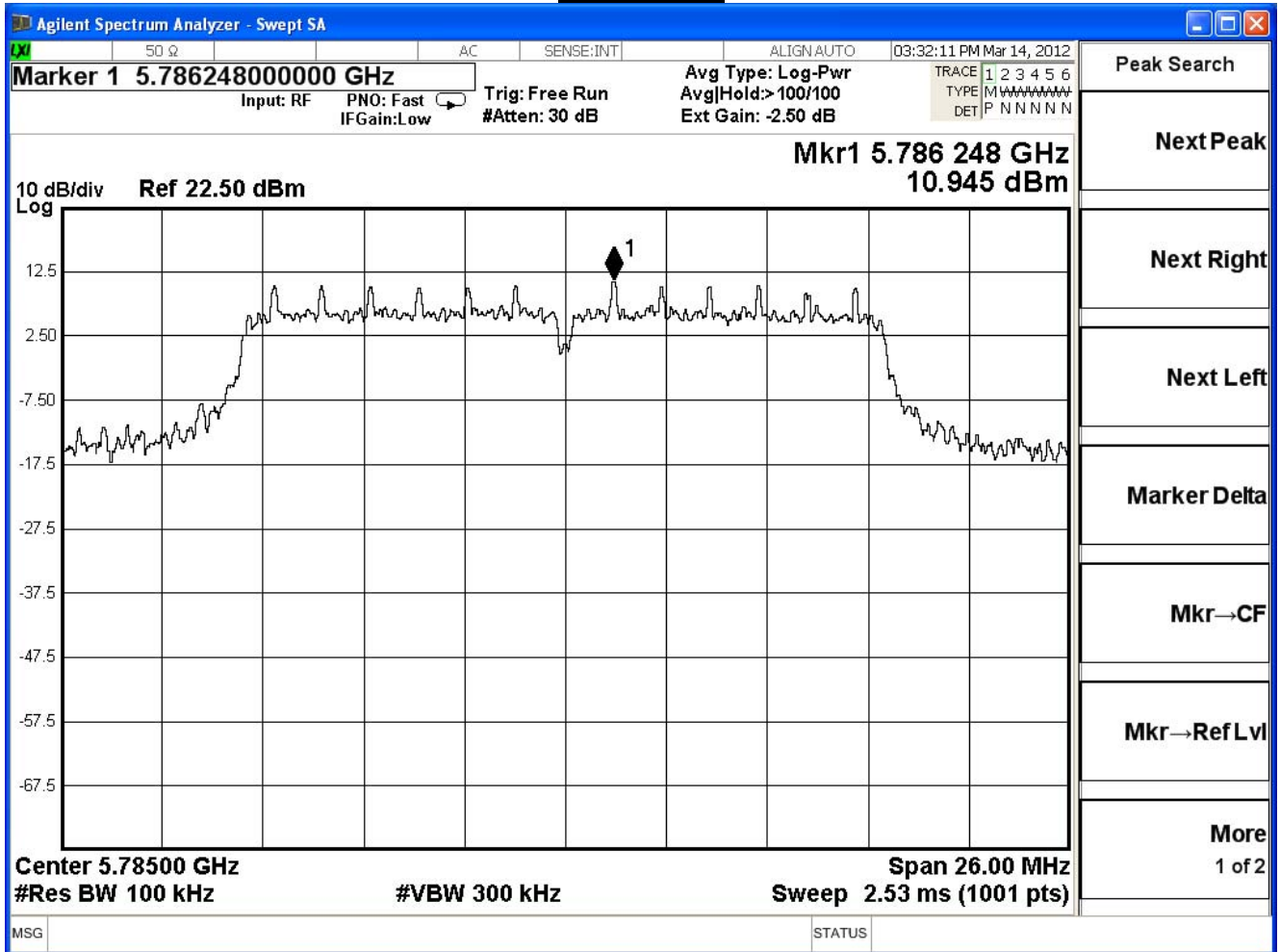
IEEE 802.11a					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	11.768	-3.432	≤ 8	Pass
157	5785	10.945	-4.255	≤ 8	Pass
165	5825	10.432	-4.768	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

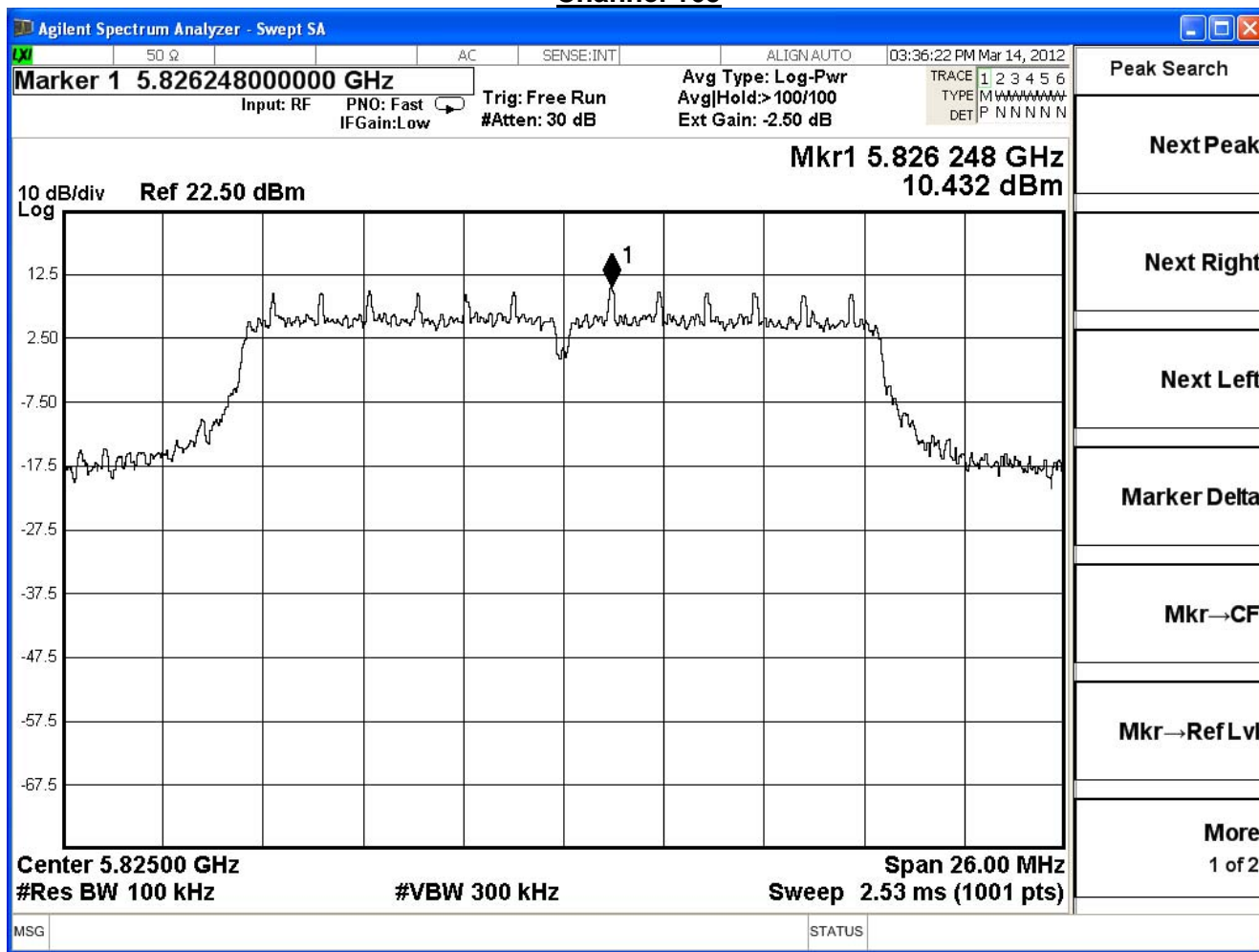
Channel 149



Channel 157



Channel 165

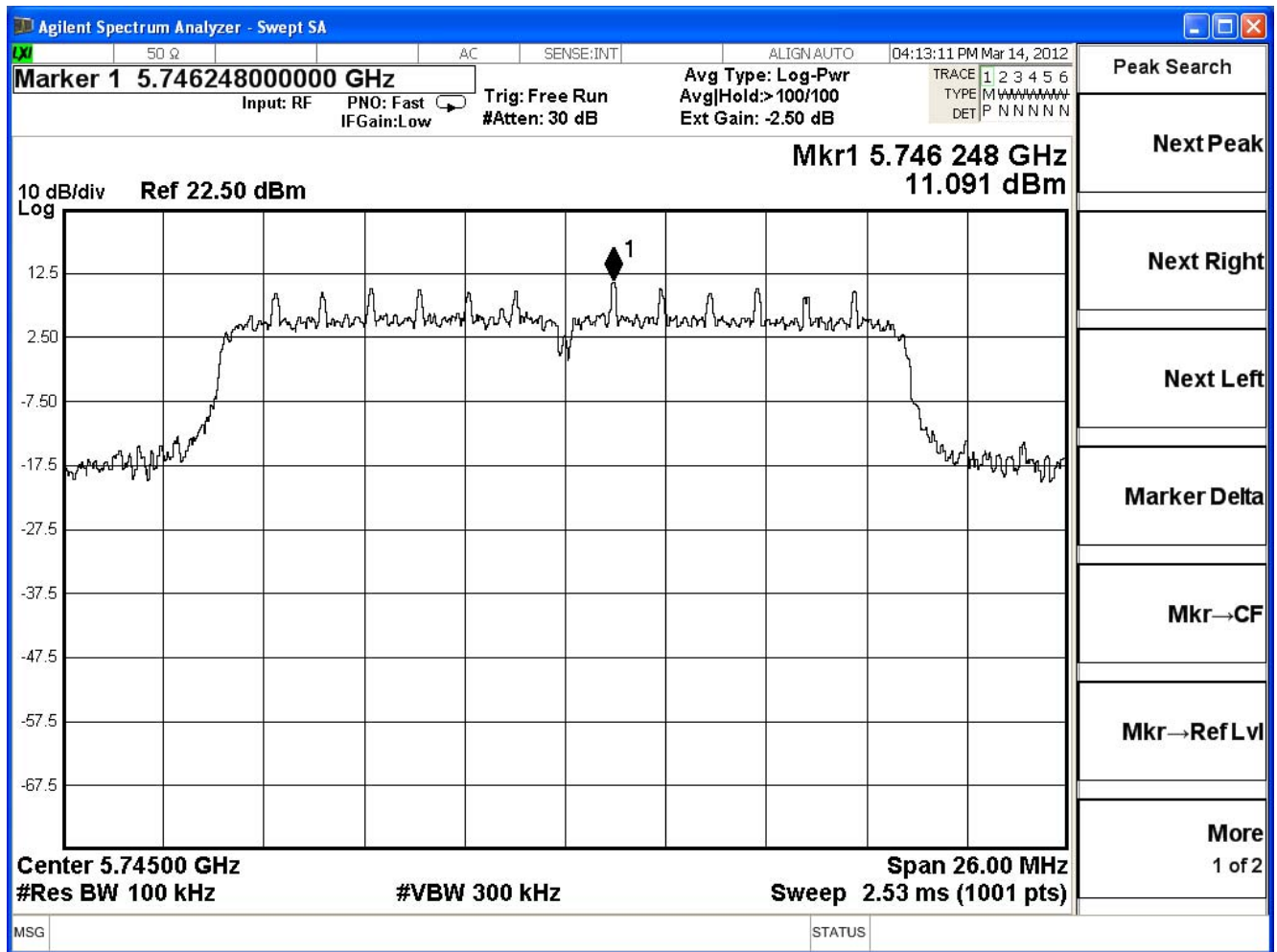


Product	Wireless Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/14	Test Site	SR7

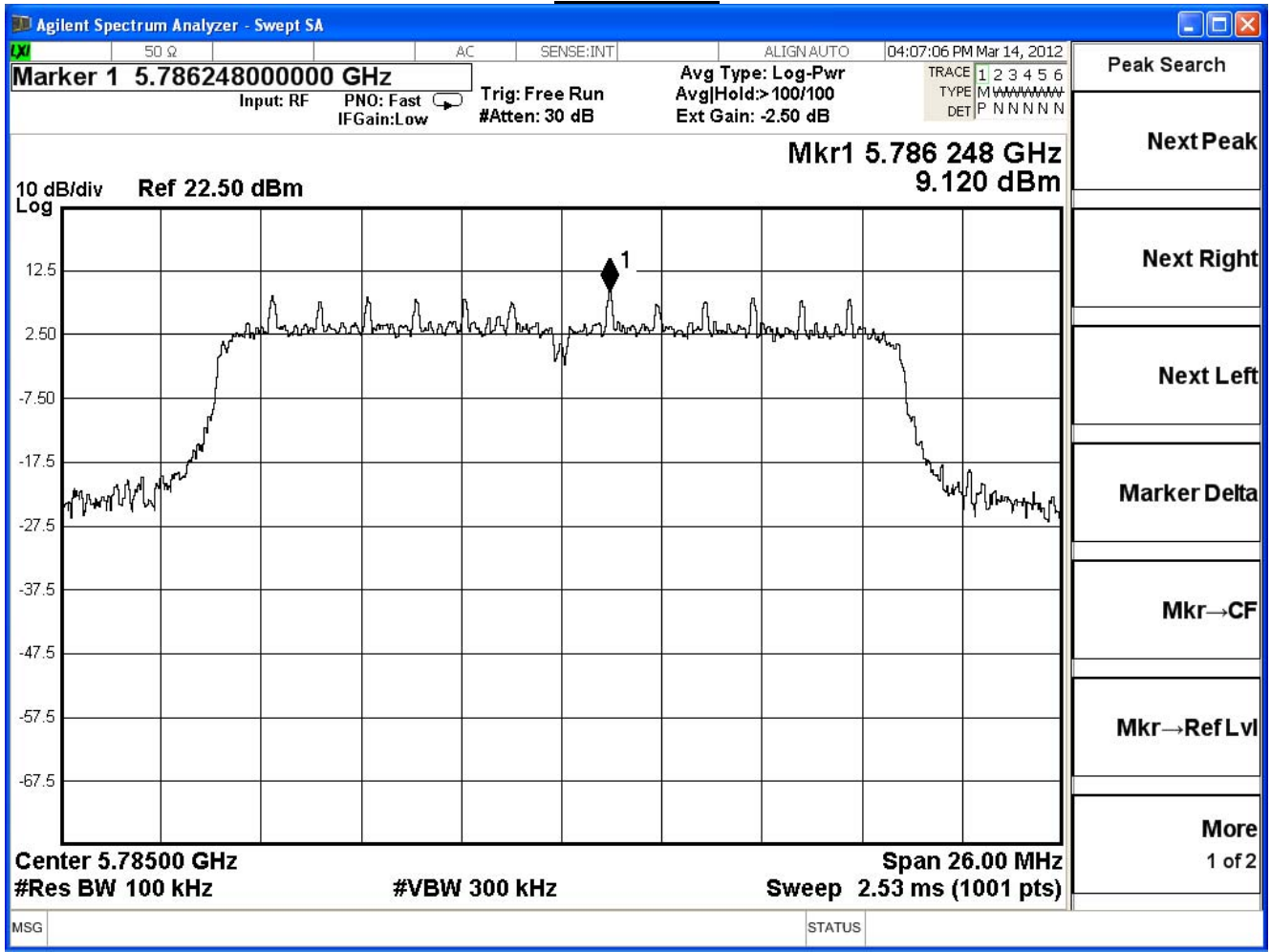
IEEE 802.11n (20MHz), (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Channel No.	Result
149	5745	11.091	-4.109	149	Pass
157	5785	9.120	-6.080	157	Pass
165	5825	7.691	-7.509	165	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

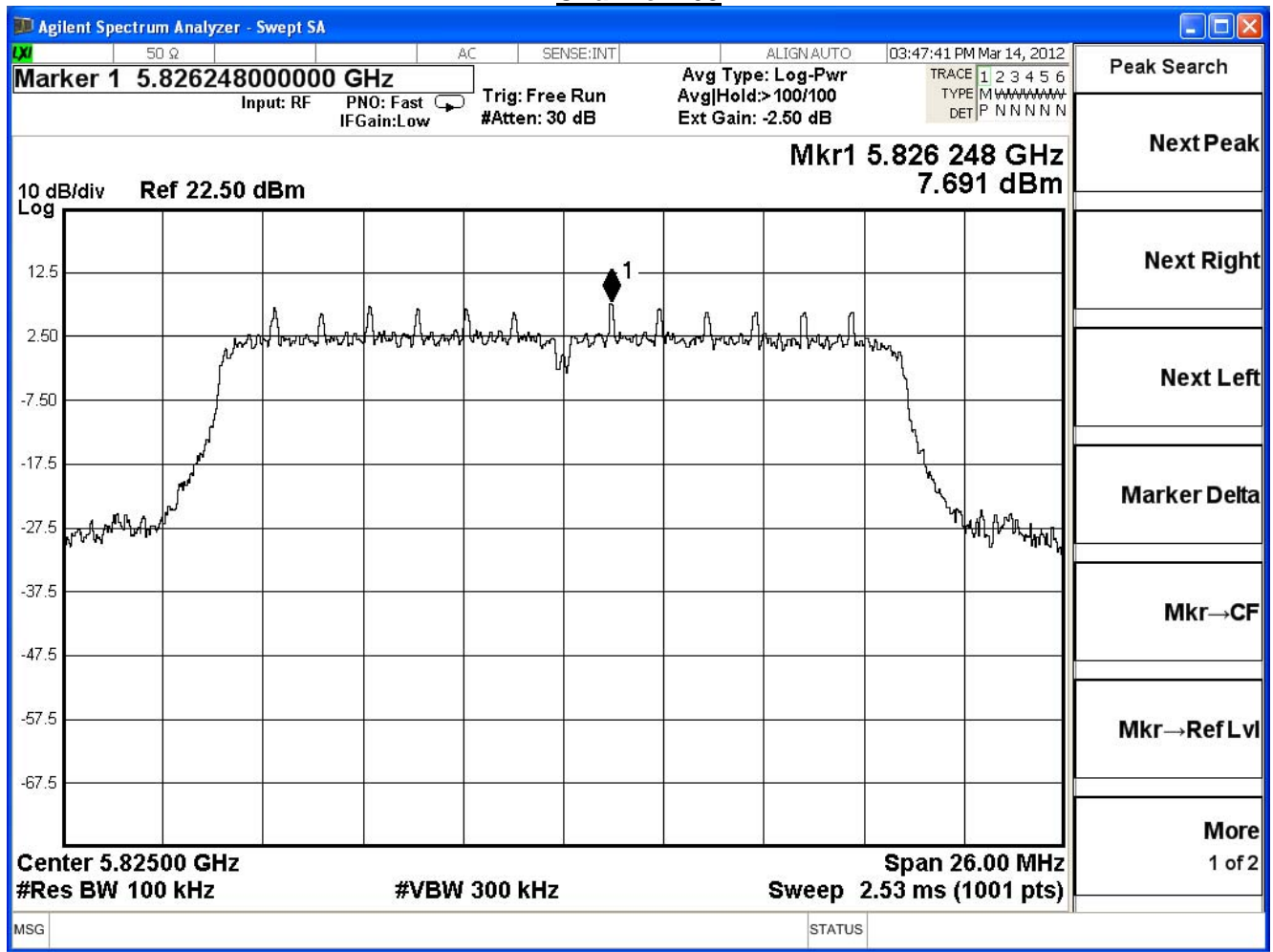
Channel 149



Channel 157



Channel 165



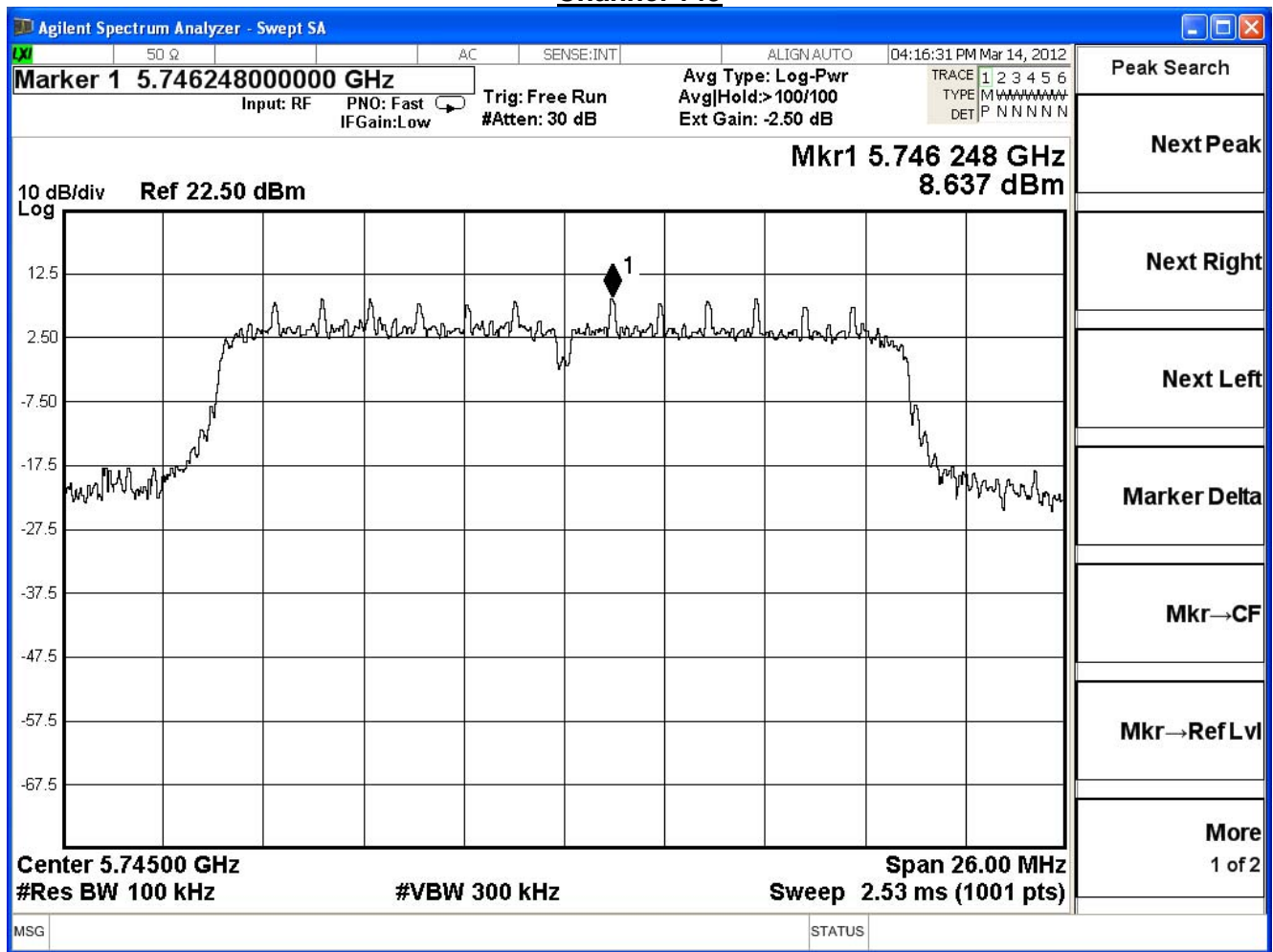
Product	Wireless Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/14	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1)

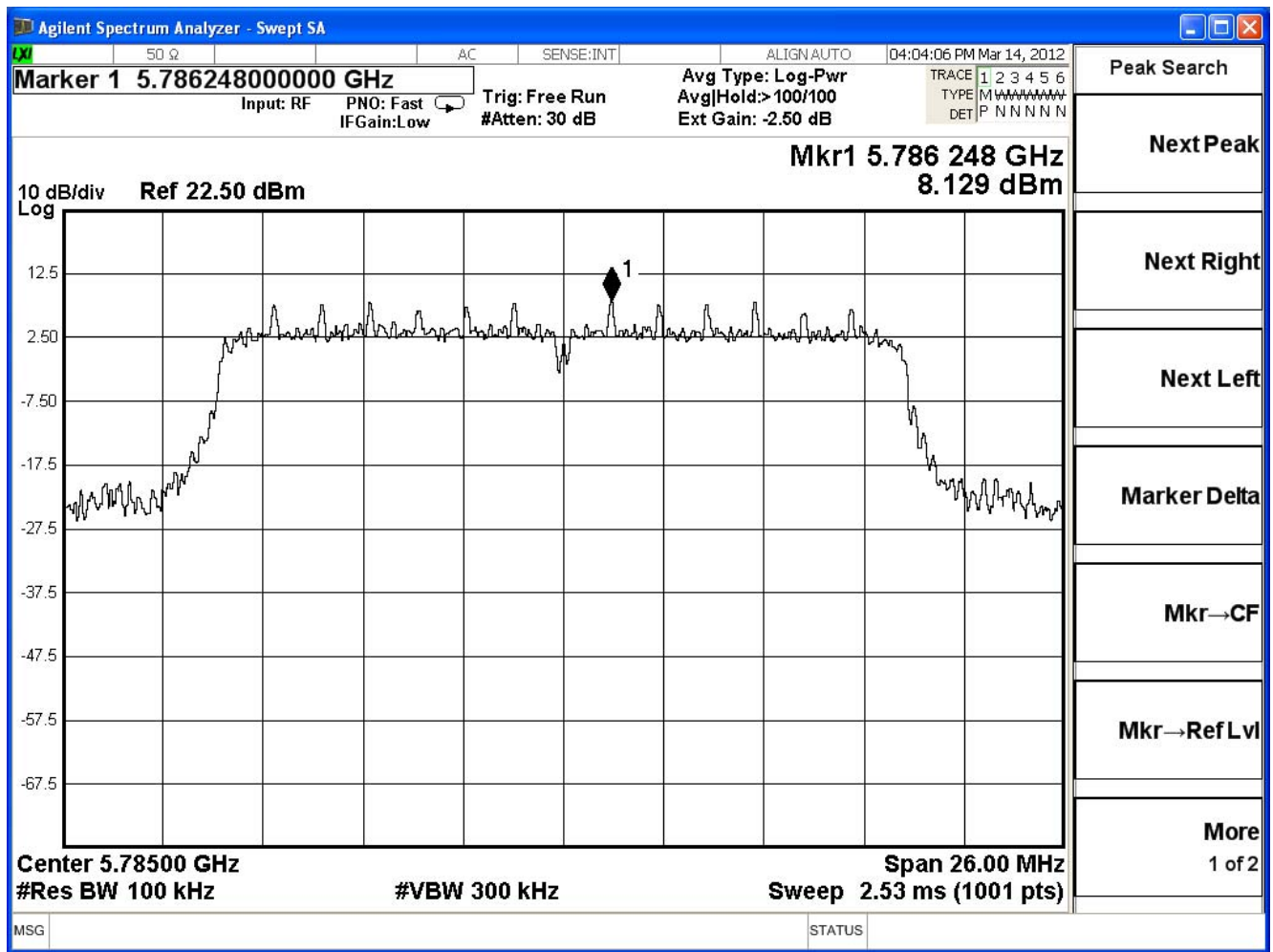
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Channel No.	Result
149	5745	8.637	-6.563	149	Pass
157	5785	8.129	-7.071	157	Pass
165	5825	6.838	-8.362	165	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

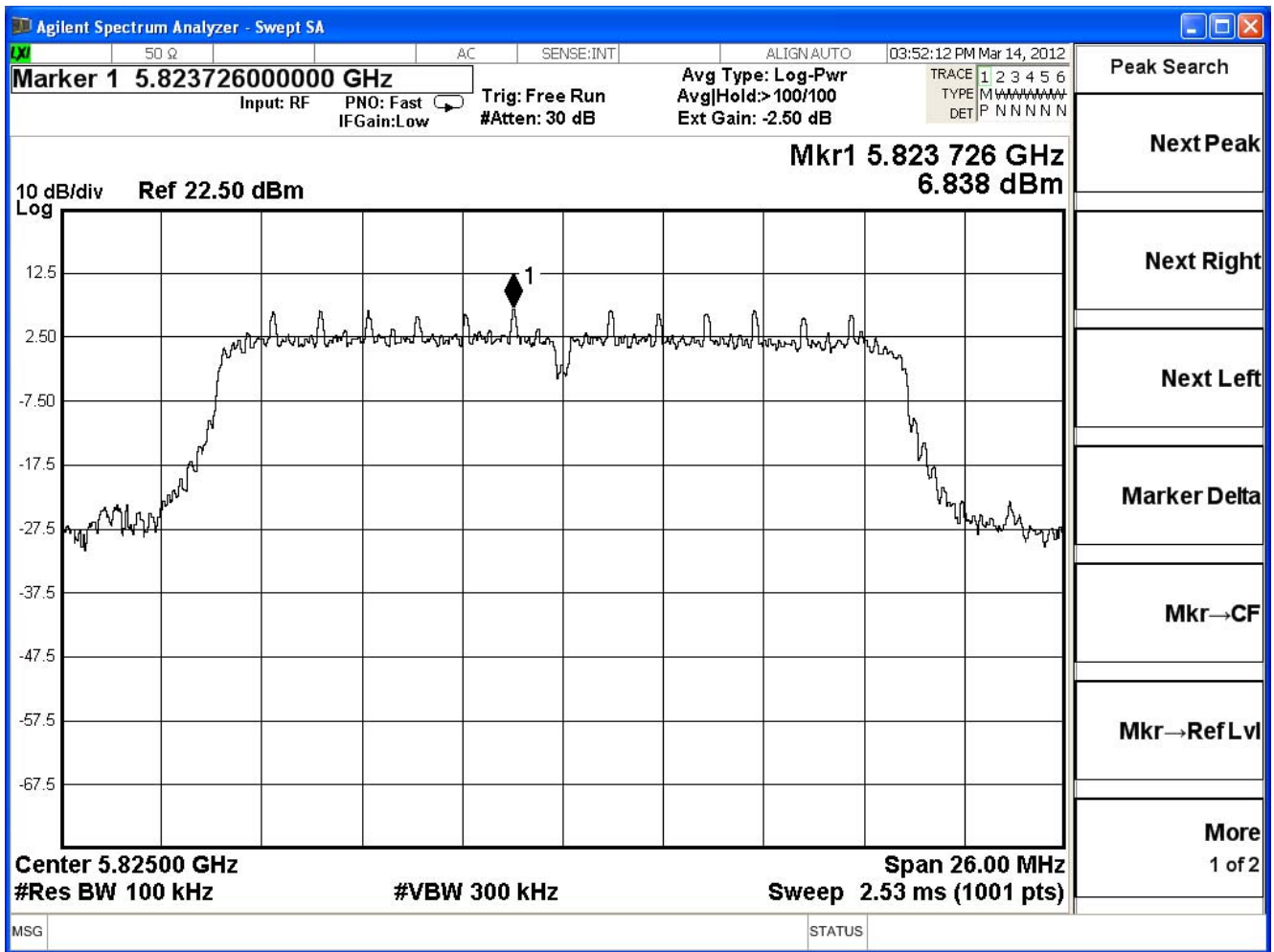
Channel 149



Channel 157



Channel 165

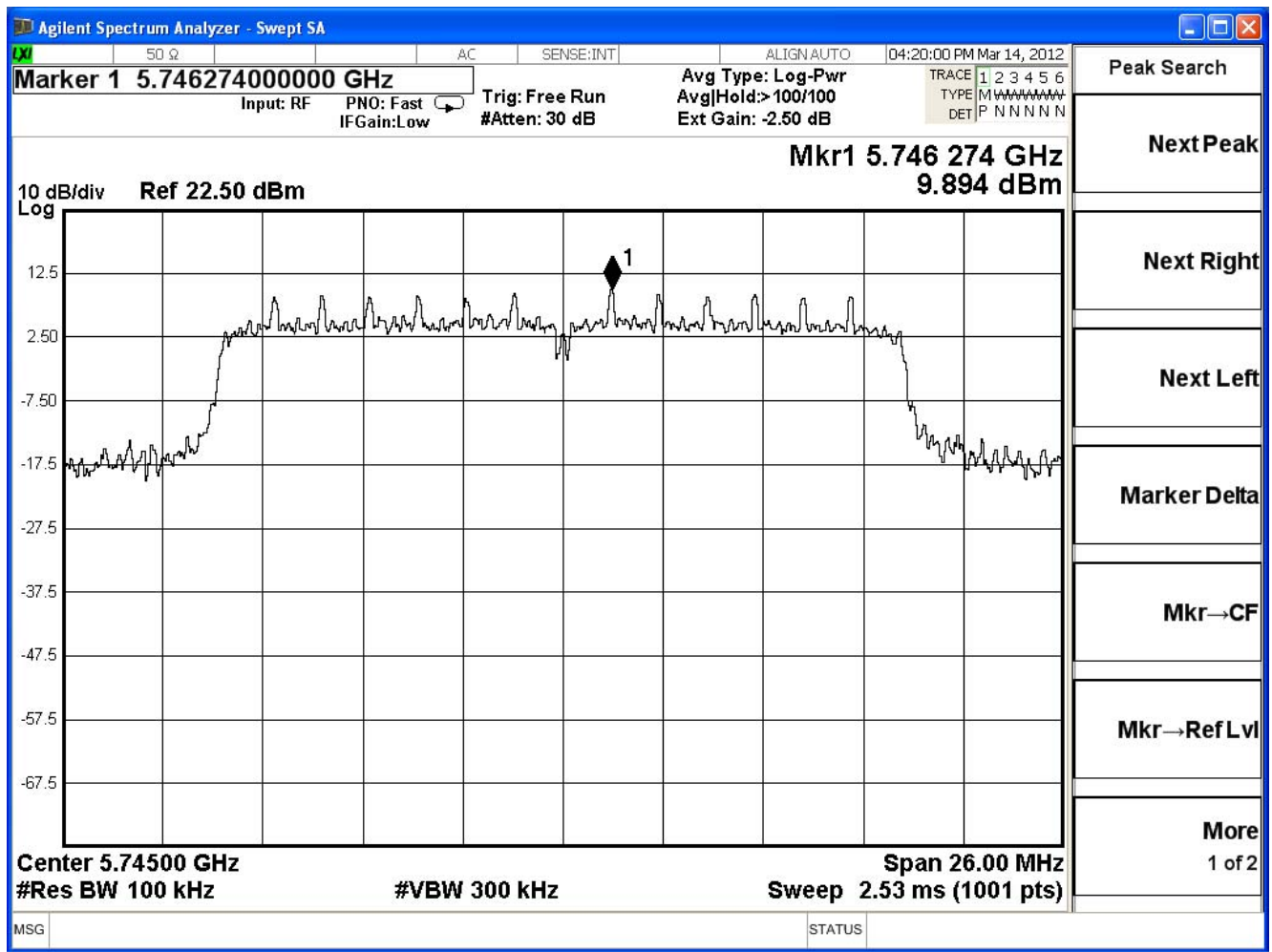


Product	Wireless Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/14	Test Site	SR7

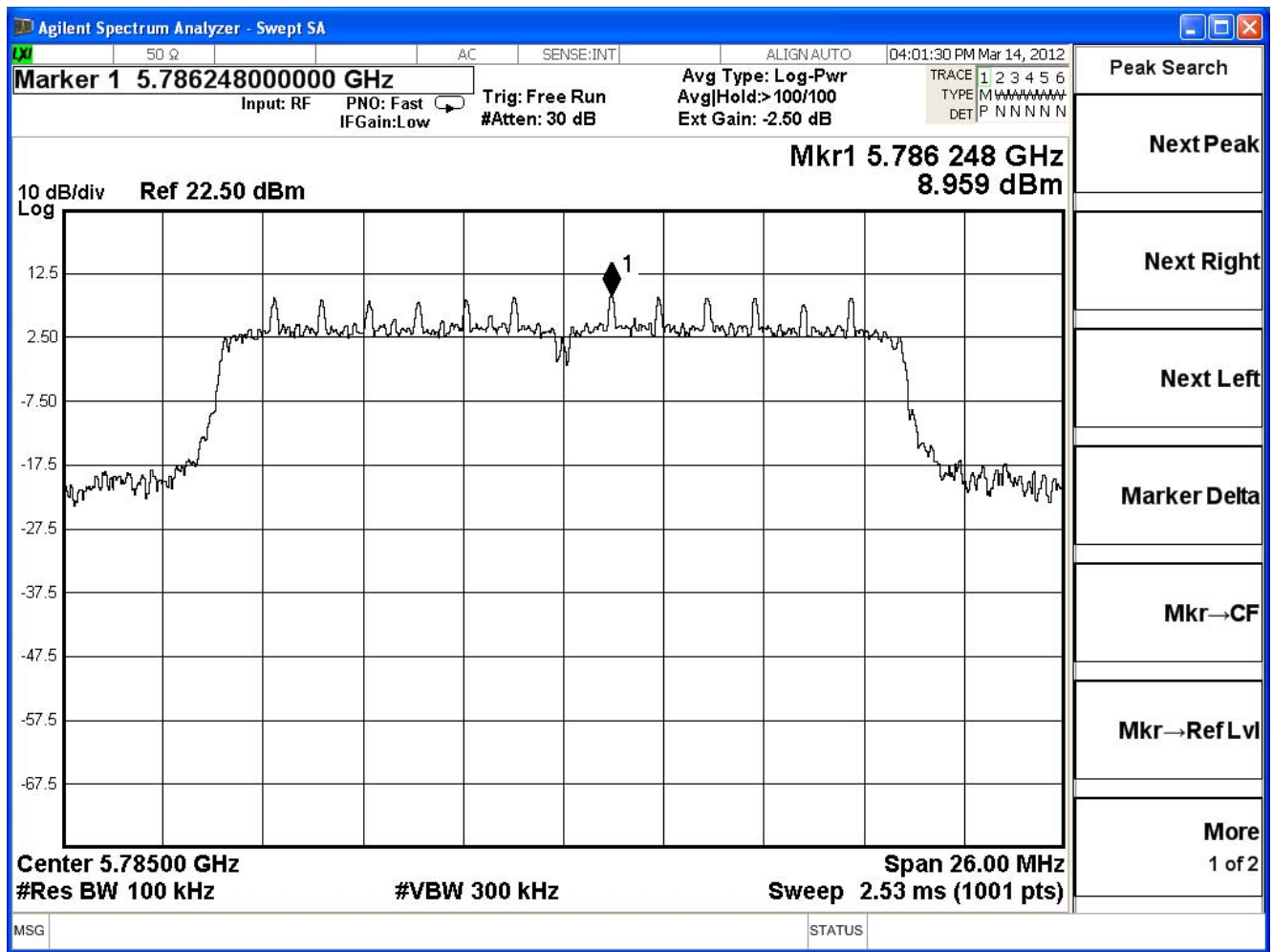
IEEE 802.11n (20MHz), (ANT 2)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	9.894	-5.306	≤ 8	Pass
157	5785	8.959	-6.241	≤ 8	Pass
165	5825	6.744	-8.456	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

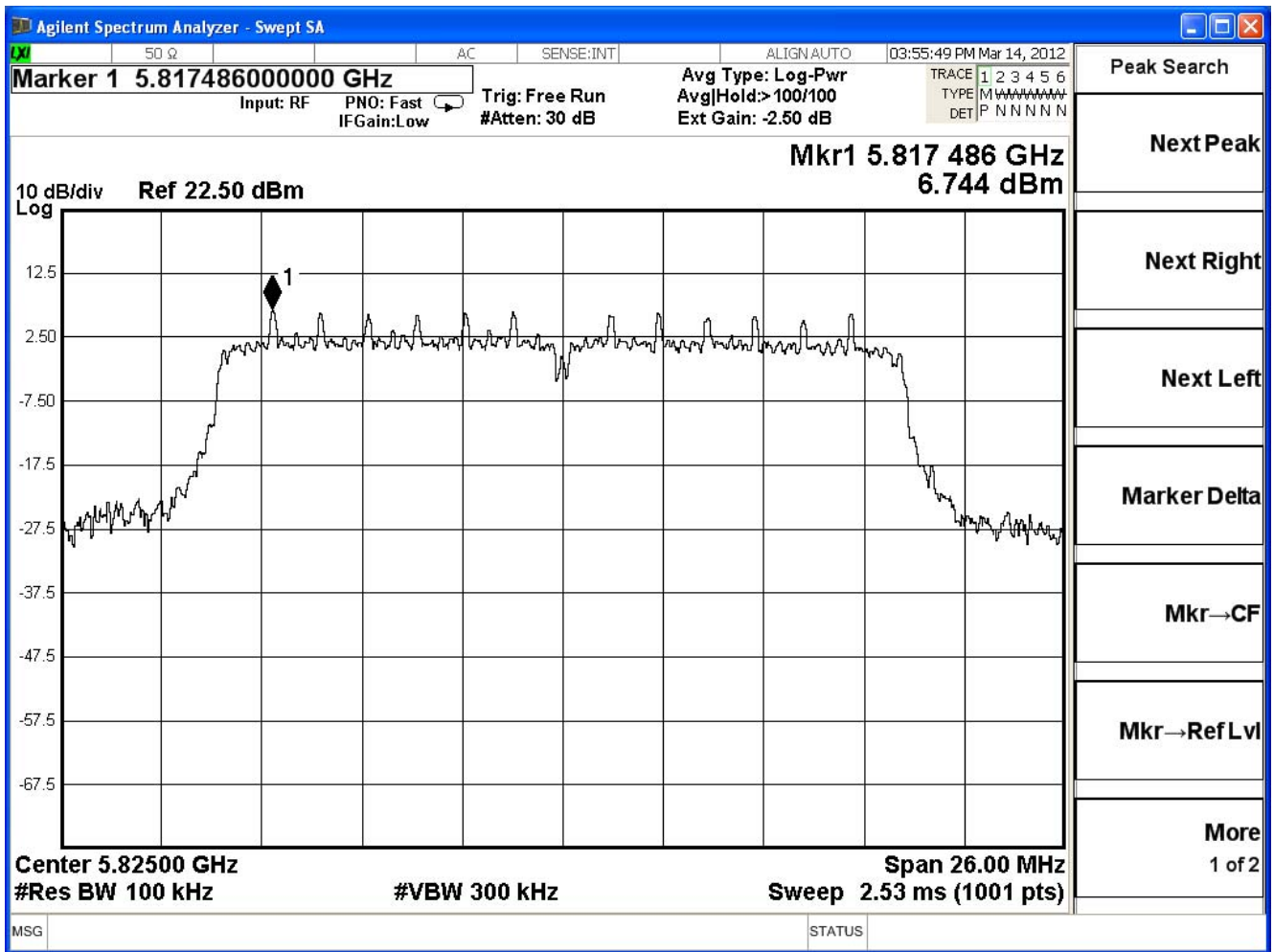
Channel 149



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Channel 165



Product	Wireless Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/15	Test Site	SR7

IEEE802.11n (20MHz) (ANT 0+1+2)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	14.760	-0.440	≤ 8	Pass
157	5785	13.530	-1.670	≤ 8	Pass
165	5825	11.880	-3.320	≤ 8	Pass

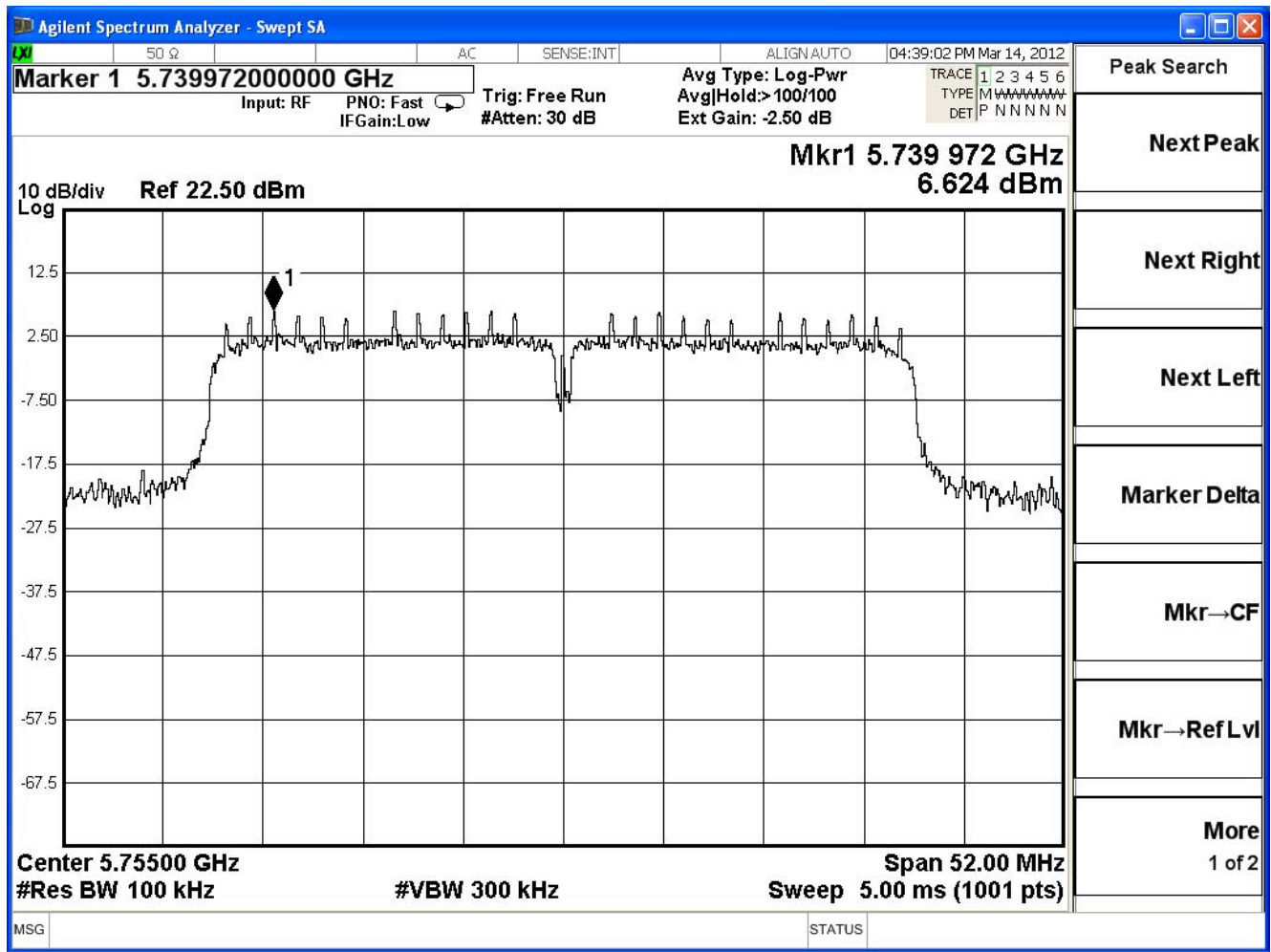
* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Product	Wireless Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/14	Test Site	SR7

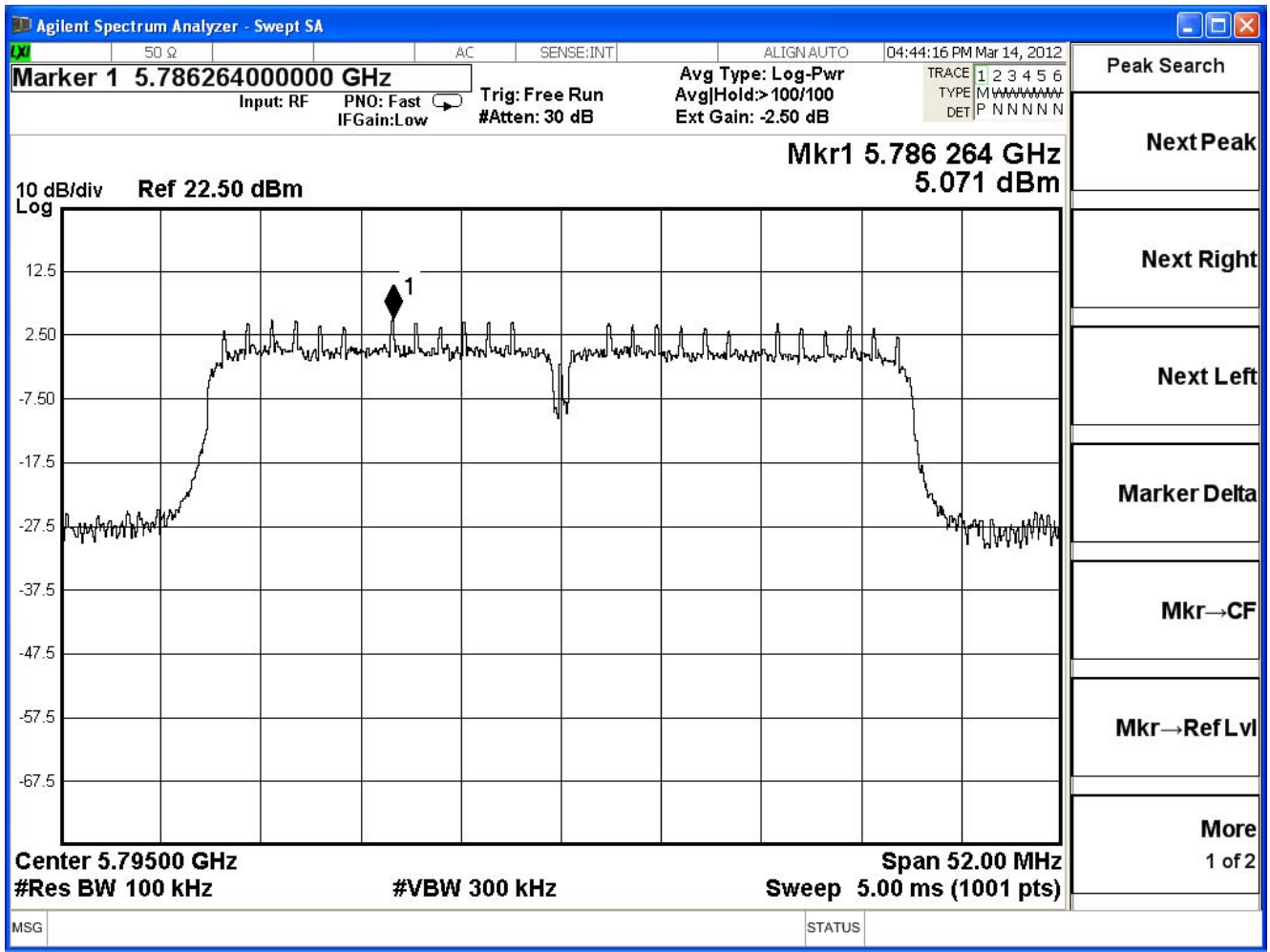
IEEE 802.11n (40MHz), (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	6.624	-8.576	≤ 8	Pass
159	5795	5.071	-10.129	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 151



Channel 159

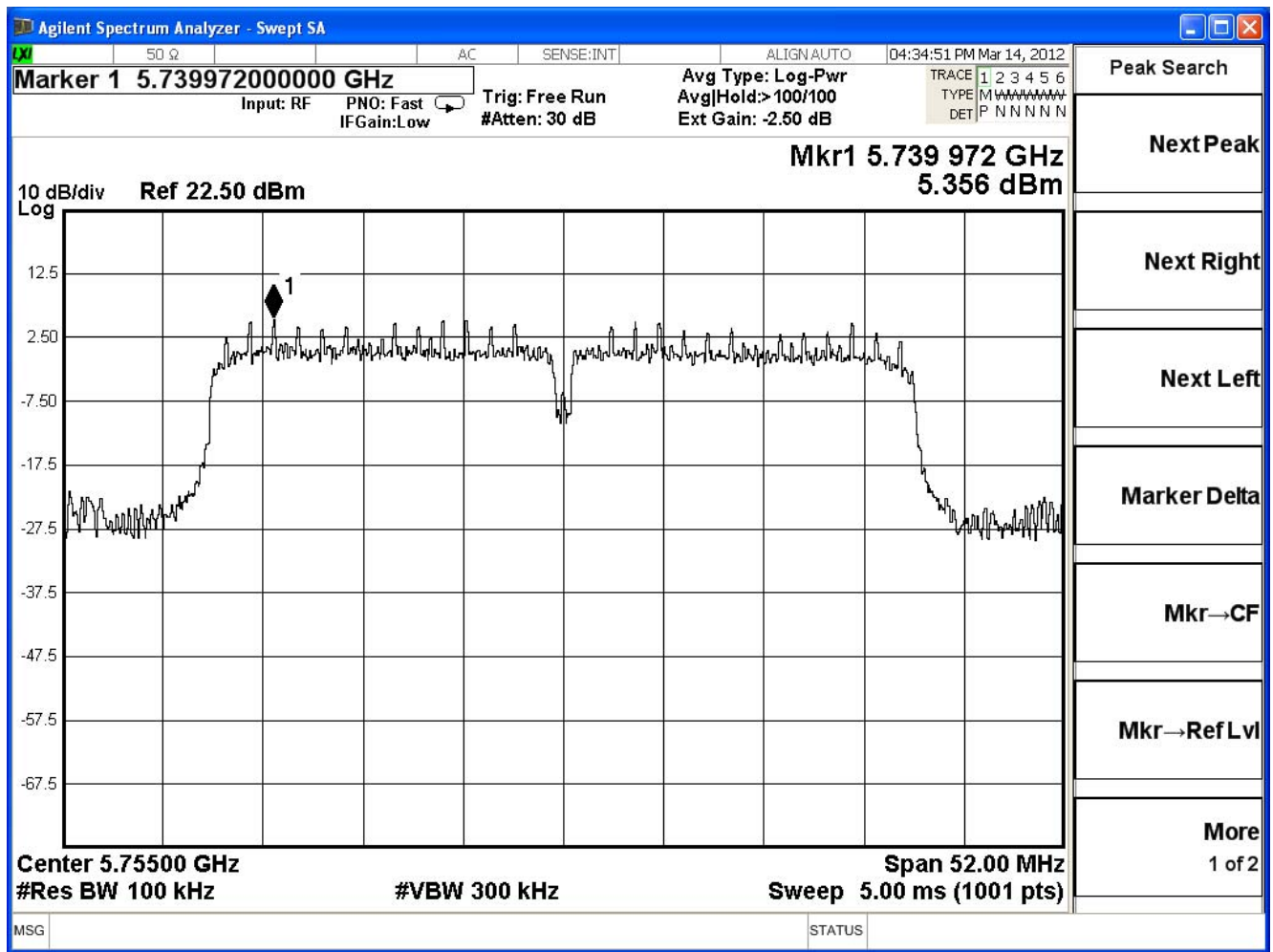


Product	Wireless Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/14	Test Site	SR7

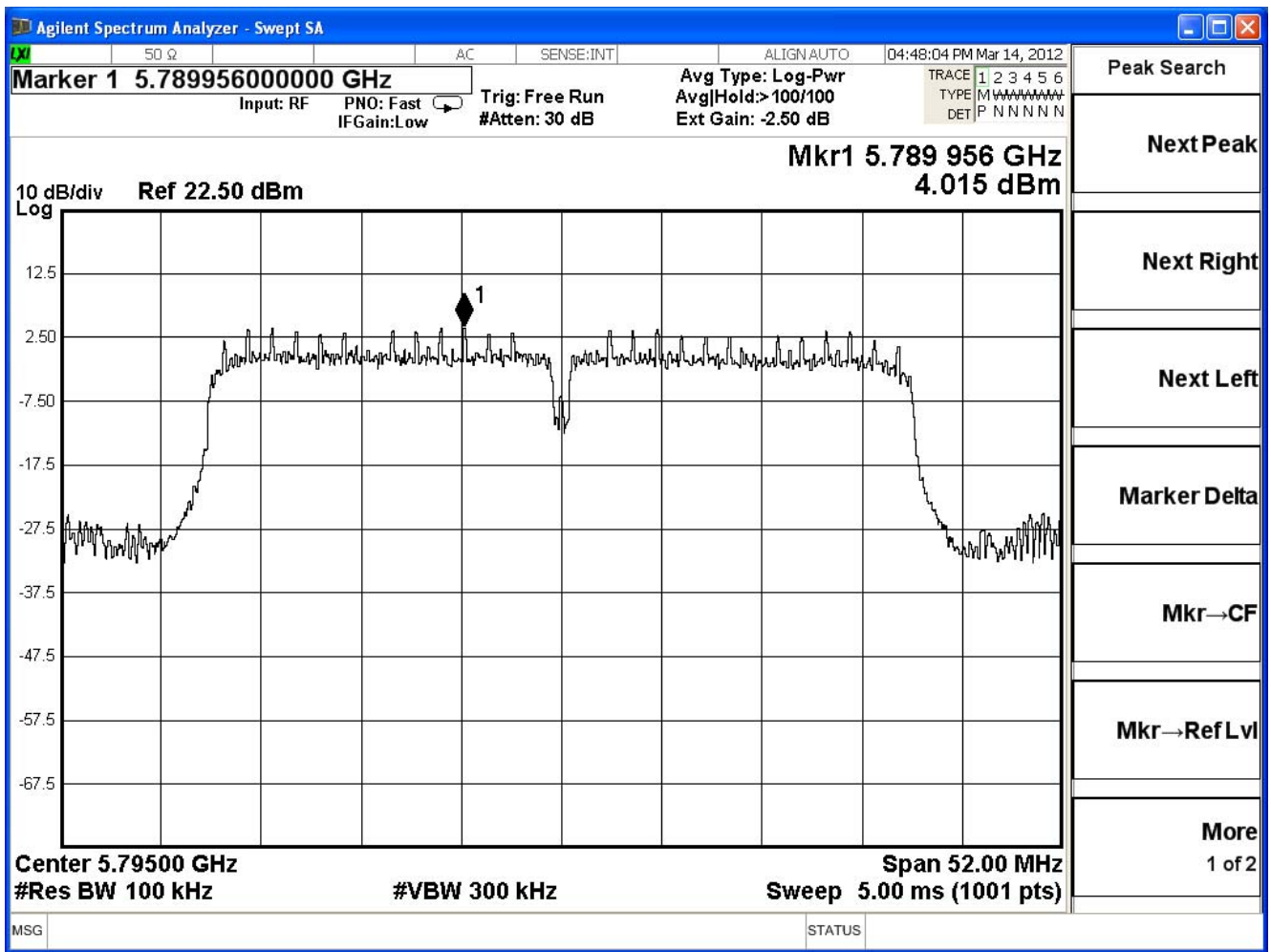
IEEE 802.11n (40MHz), (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	5.356	-9.844	≤ 8	Pass
159	5795	4.015	-11.185	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 151



Channel 159

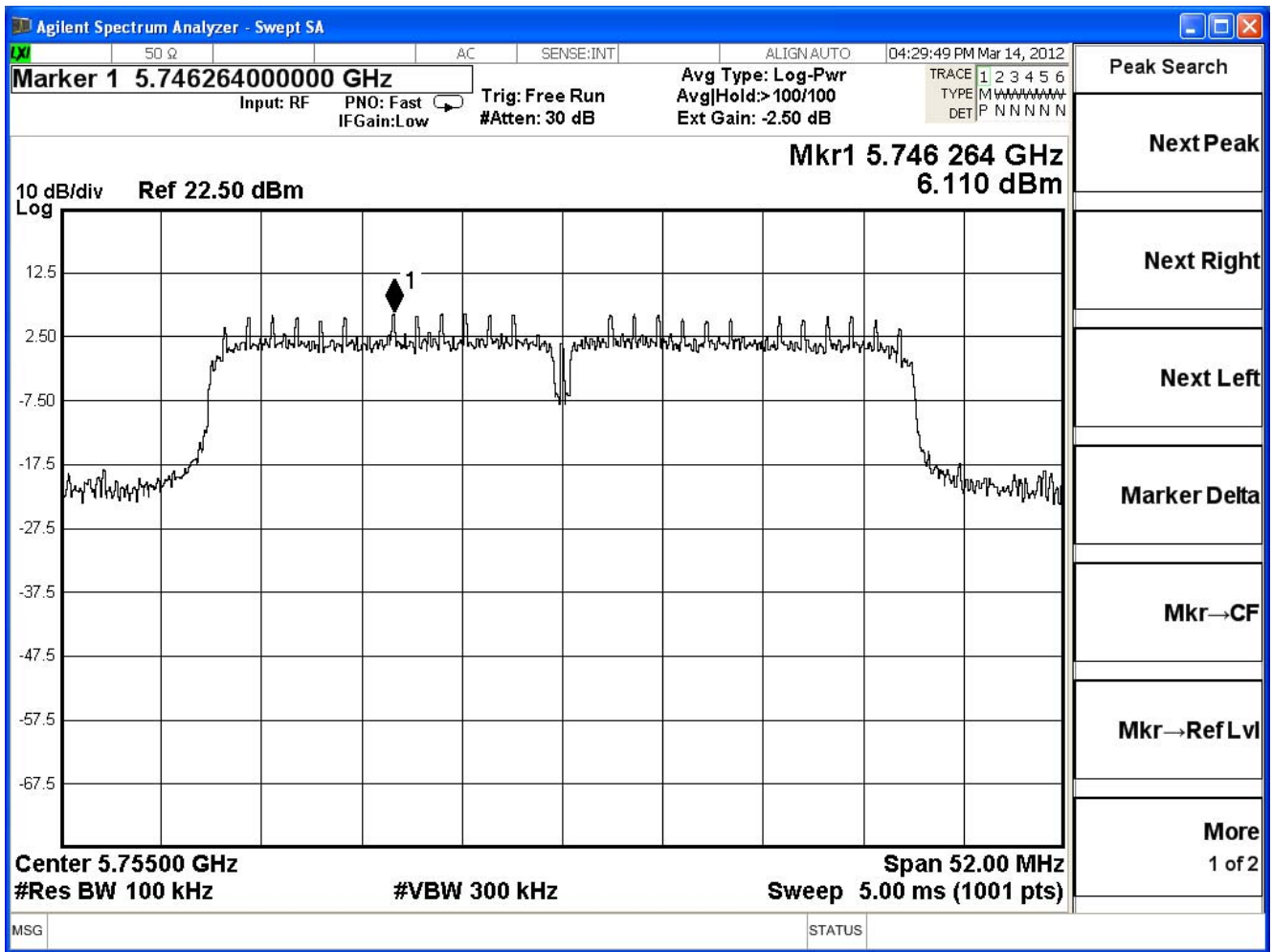


Product	Wireless Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/14	Test Site	SR7

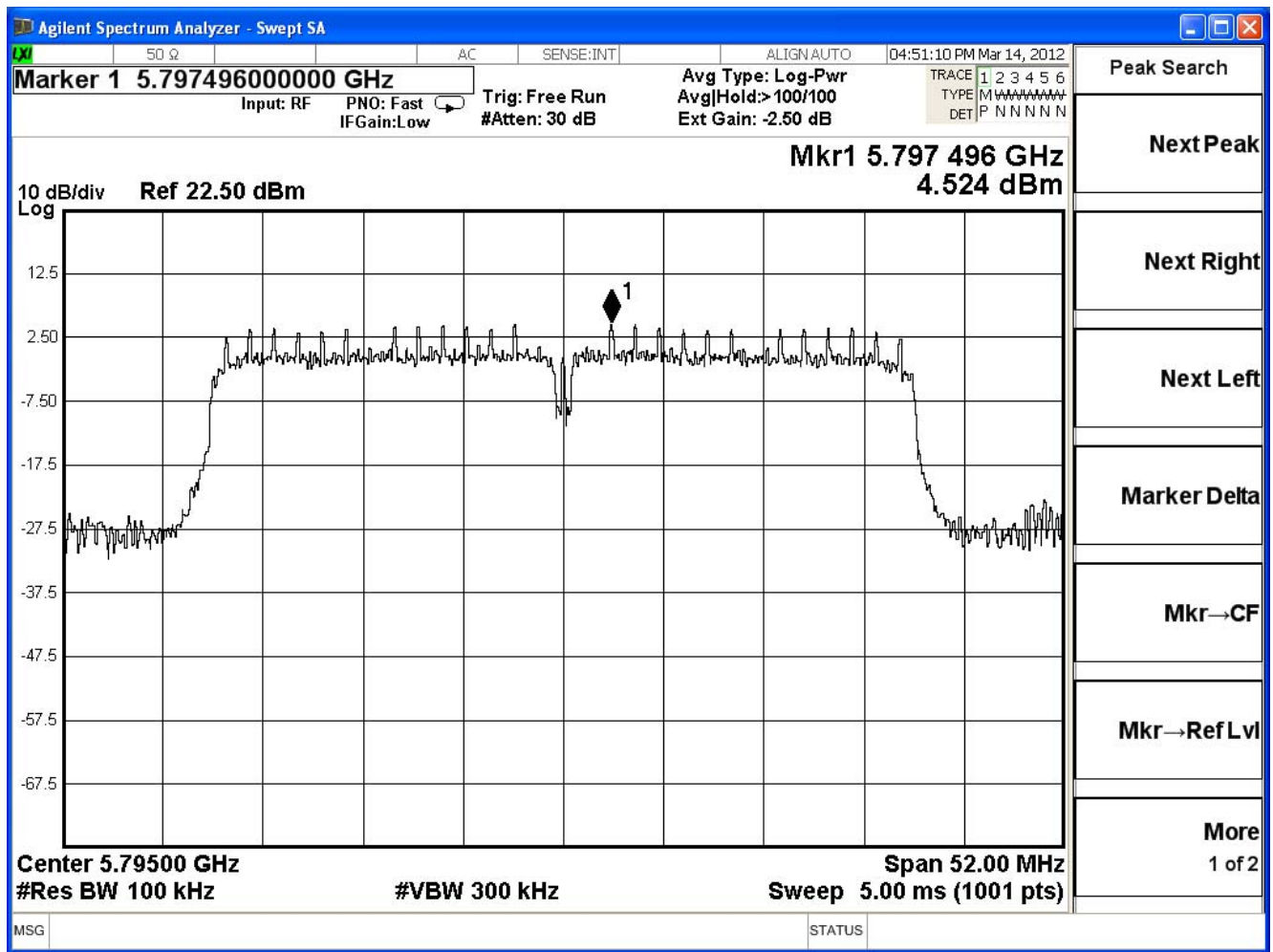
IEEE 802.11n (40MHz), (ANT 2)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	6.110	-9.090	≤ 8	Pass
159	5795	4.524	-10.676	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

Channel 151



Channel 159



Product	Wireless Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/15	Test Site	SR7

IEEE802.11n (40MHz) (ANT 0+1+2)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	10.830	-4.380	≤ 8	Pass
159	5795	9.330	-5.870	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)