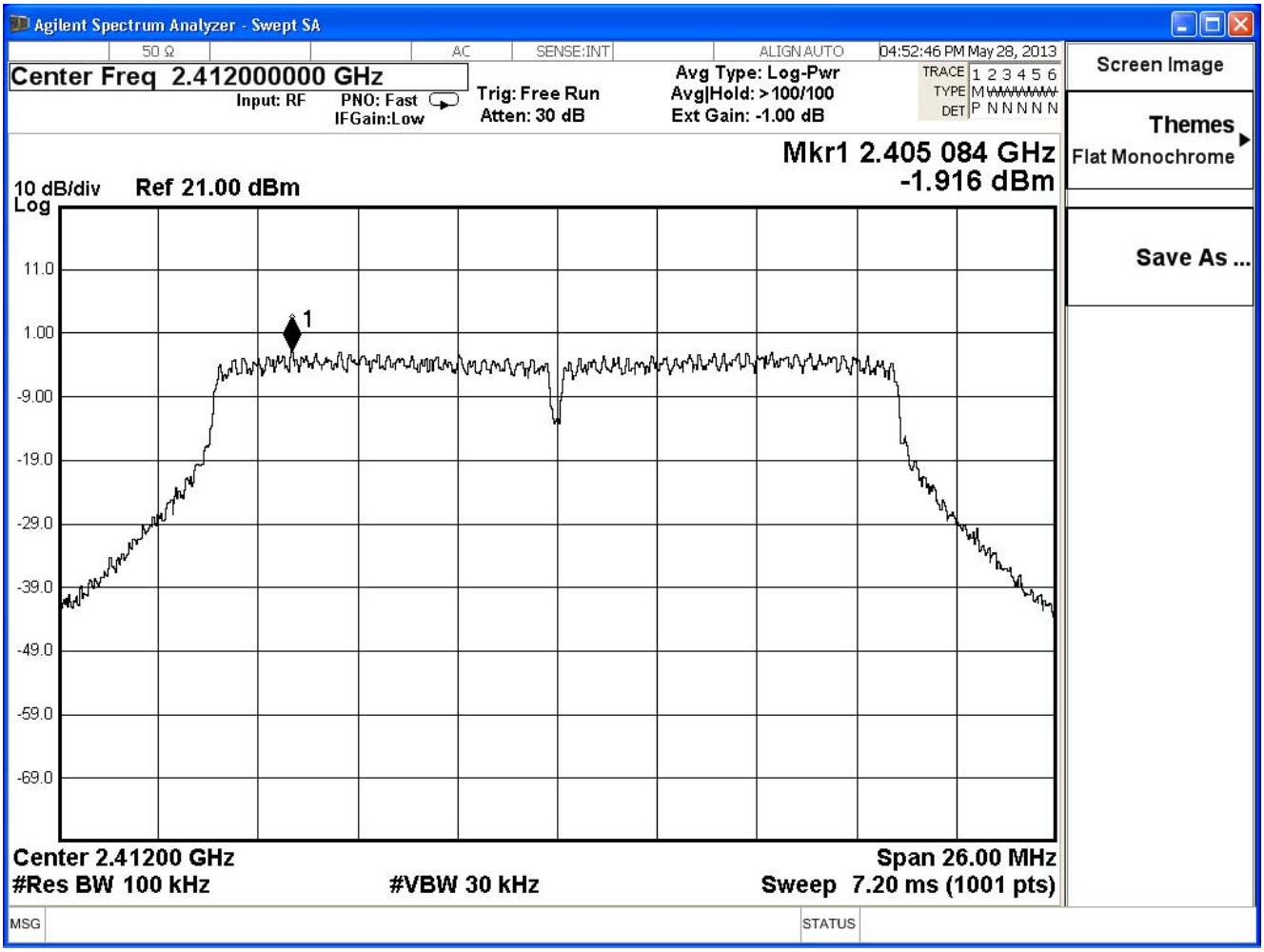
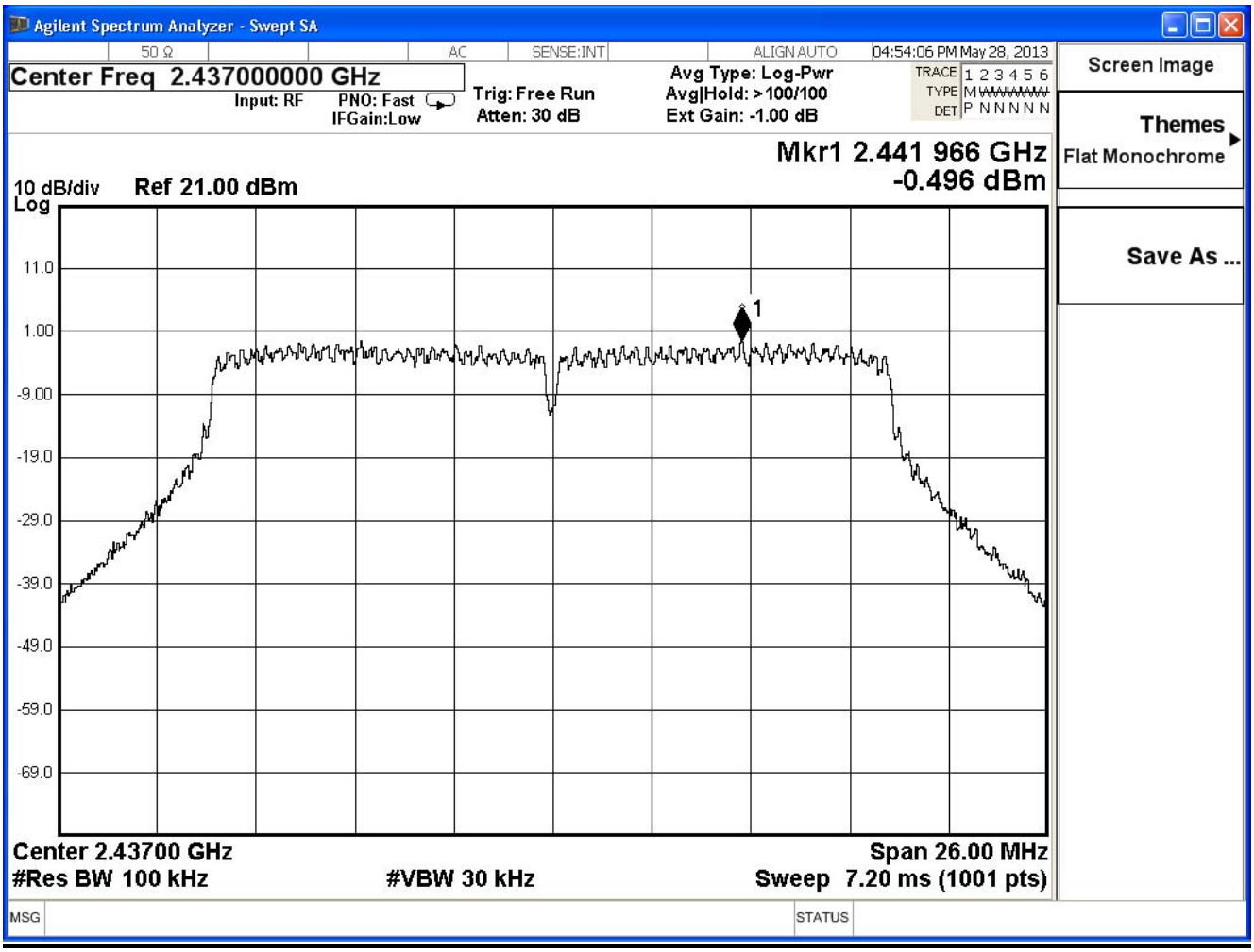
Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/07	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-1.91	-17.11	≦8	Pass
6	2437	-0.49	-15.69	≦8	Pass
11	2462	-0.46	-15.66	≦8	Pass

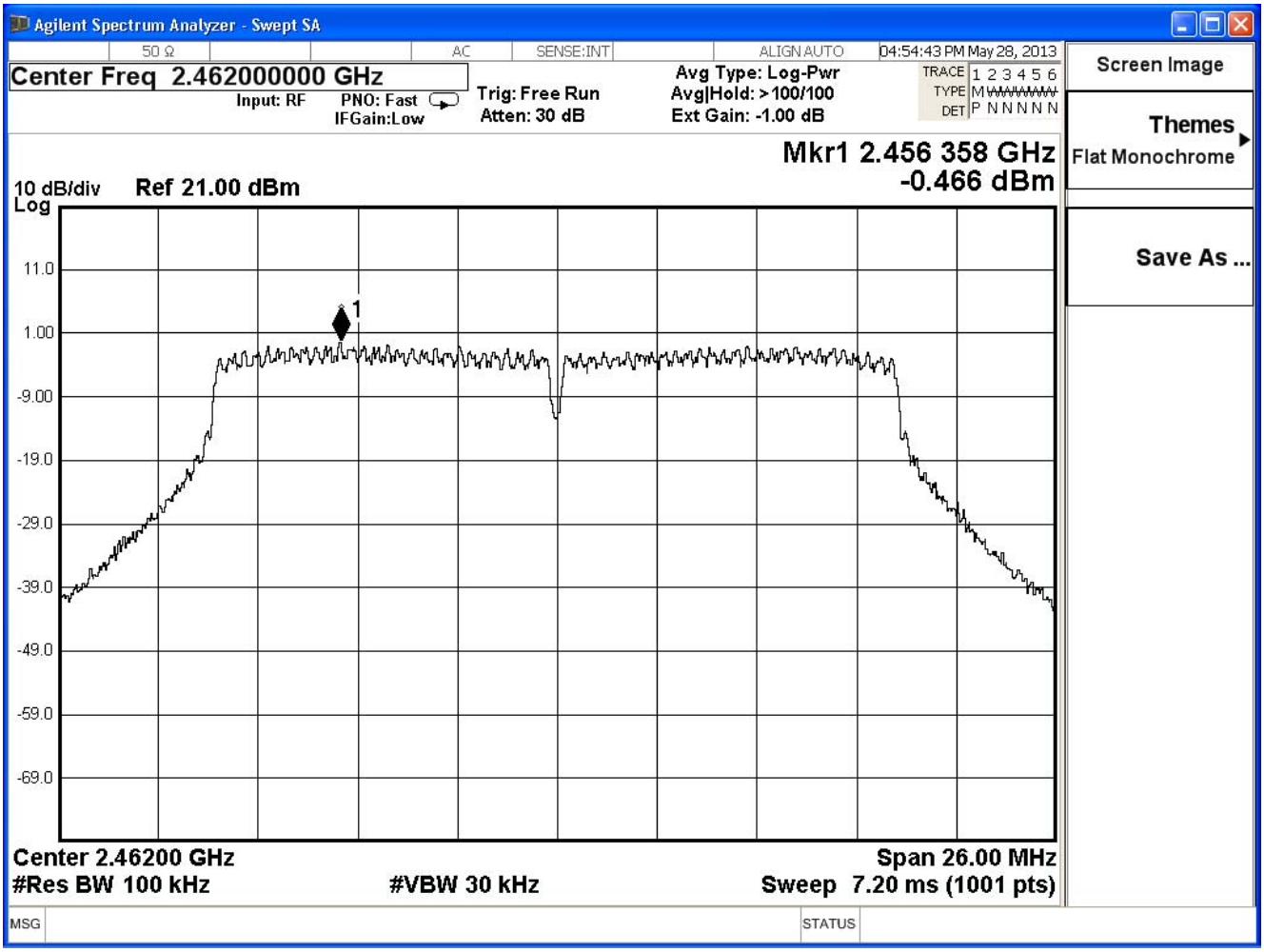
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:54:06 PM May 28, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.441 966 GHz
-0.496 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
1
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 30 kHz
Span 26.00 MHz
Sweep 7.20 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 11

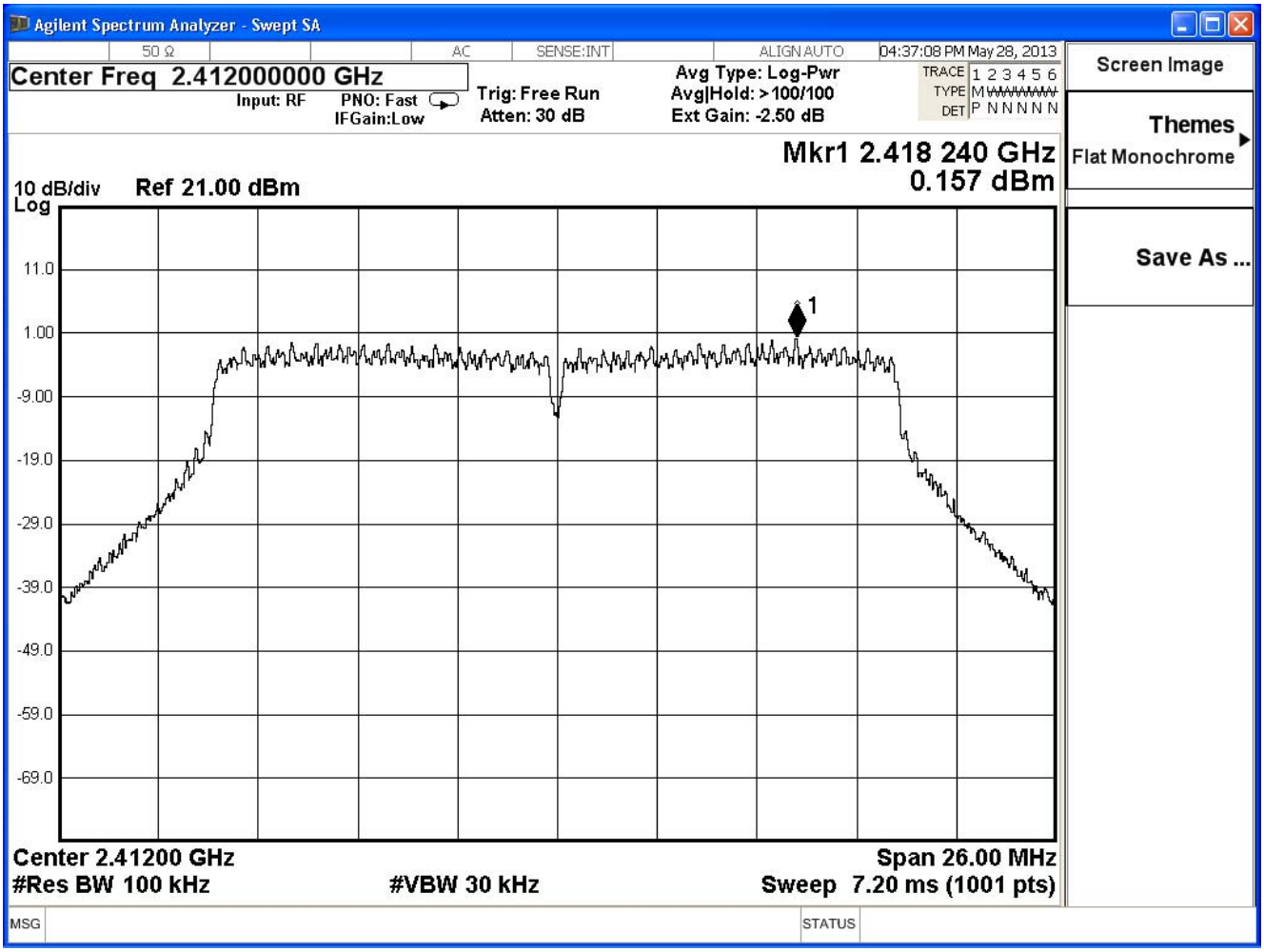

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:54:43 PM May 28, 2013
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.456 358 GHz
-0.466 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 2.46200 GHz
#Res BW 100 kHz
#VBW 30 kHz
Span 26.00 MHz
Sweep 7.20 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/07	Test Site	SR7

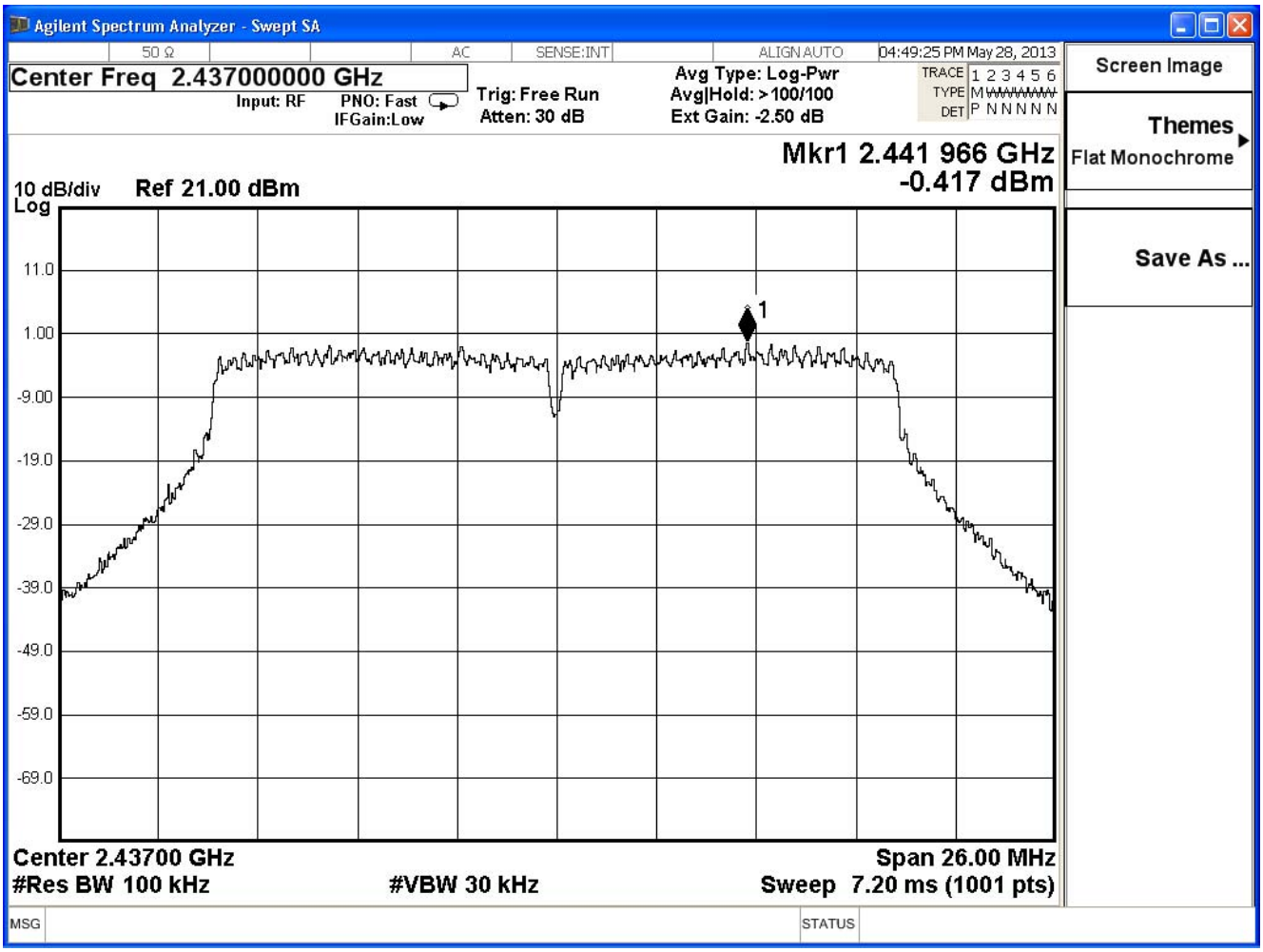
IEEE802.11n_20MHz_(ANT 1)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
1	2412	0.15	-15.05	≦8	Pass
6	2437	-0.41	-15.61	≦8	Pass
11	2462	-0.11	-15.31	≦8	Pass

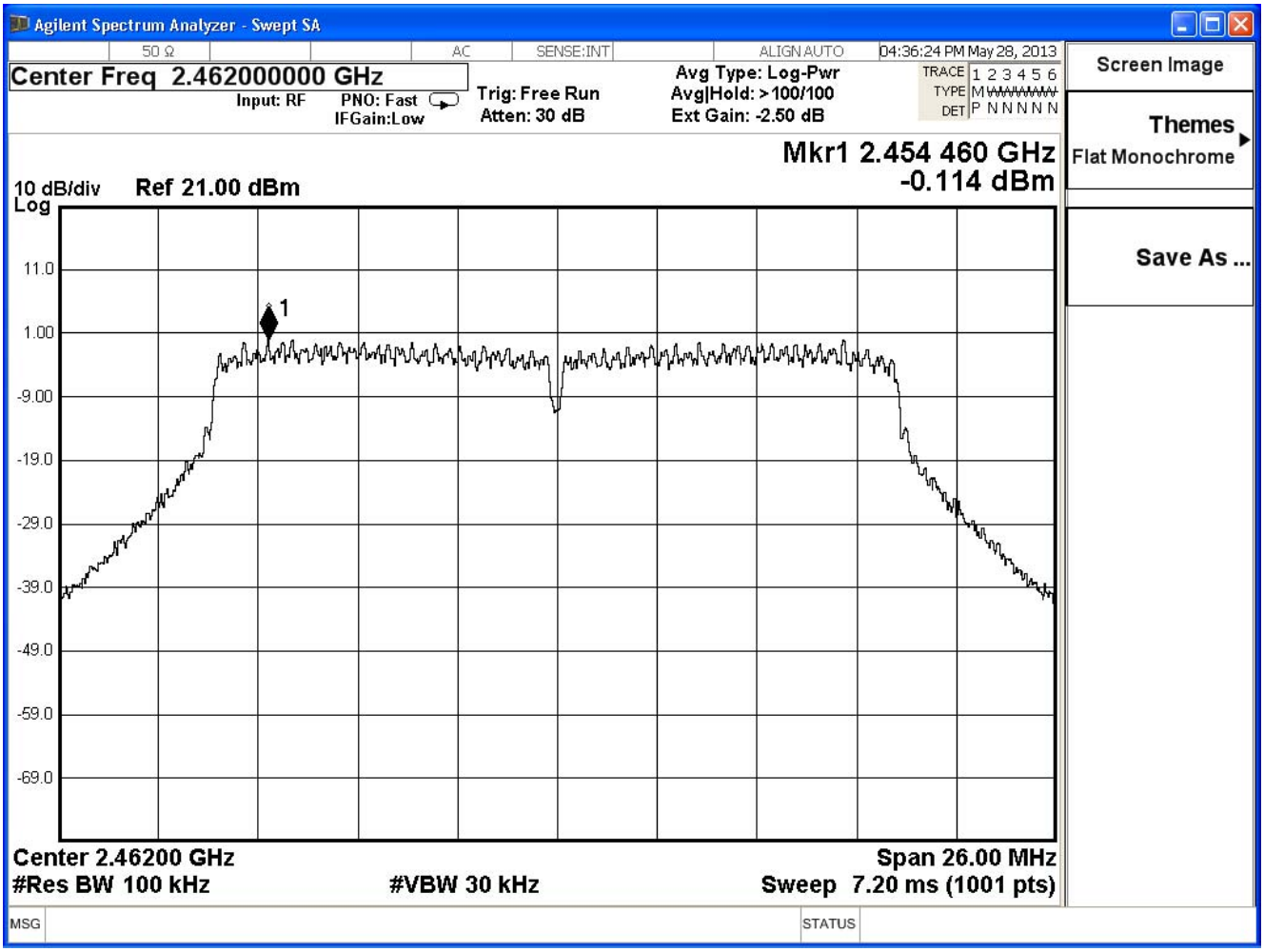
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:49:25 PM May 28, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.441 966 GHz
-0.417 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 30 kHz
Span 26.00 MHz
Sweep 7.20 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:36:24 PM May 28, 2013
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.454 460 GHz
-0.114 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 2.46200 GHz
#Res BW 100 kHz
#VBW 30 kHz
Span 26.00 MHz
Sweep 7.20 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/07	Test Site	SR7

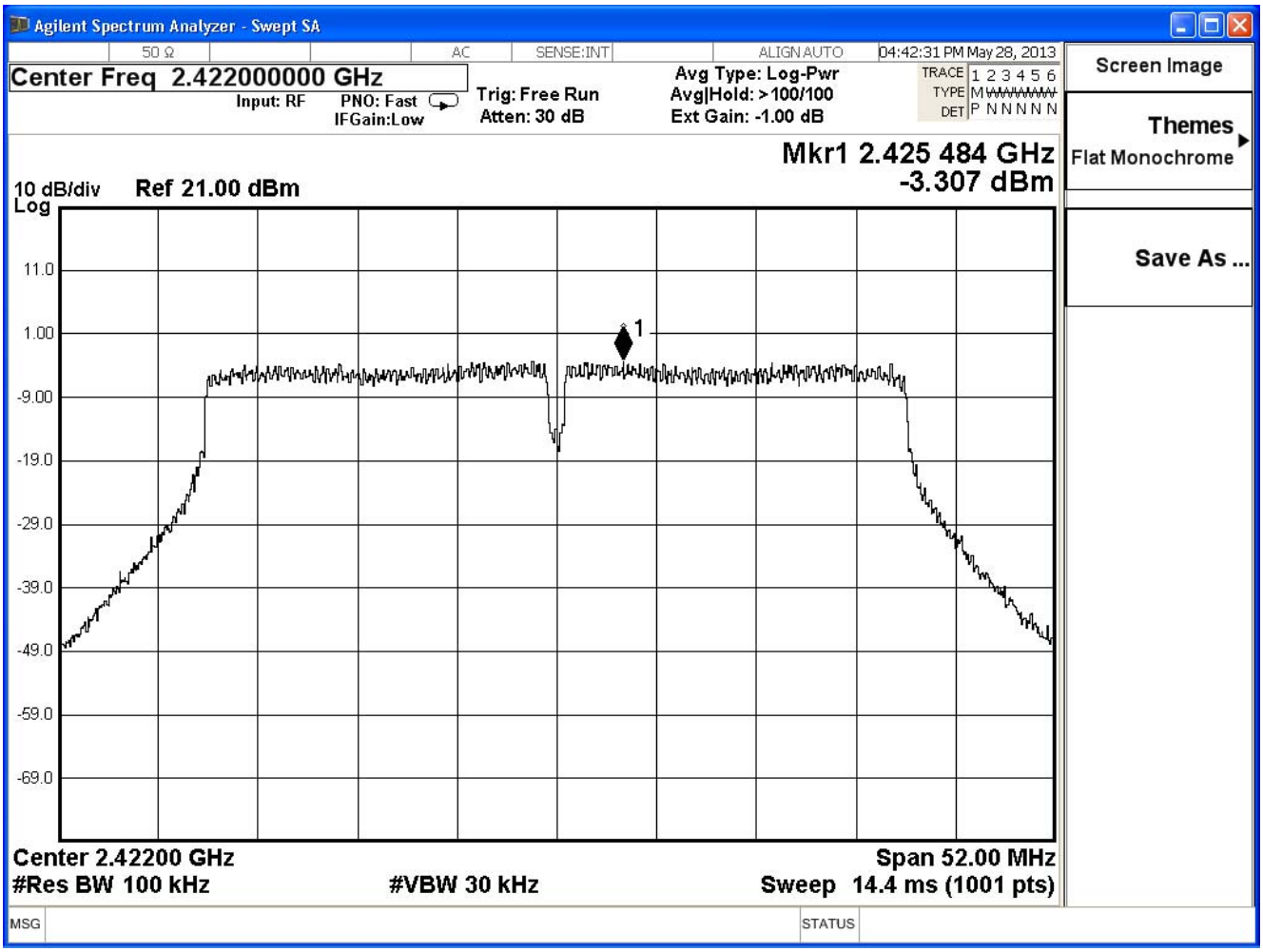
IEEE802.11n 20MHz (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-12.95	≦8	Pass
6	2437	-12.64	≦8	Pass
11	2462	-12.47	≦8	Pass

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/07	Test Site	SR7

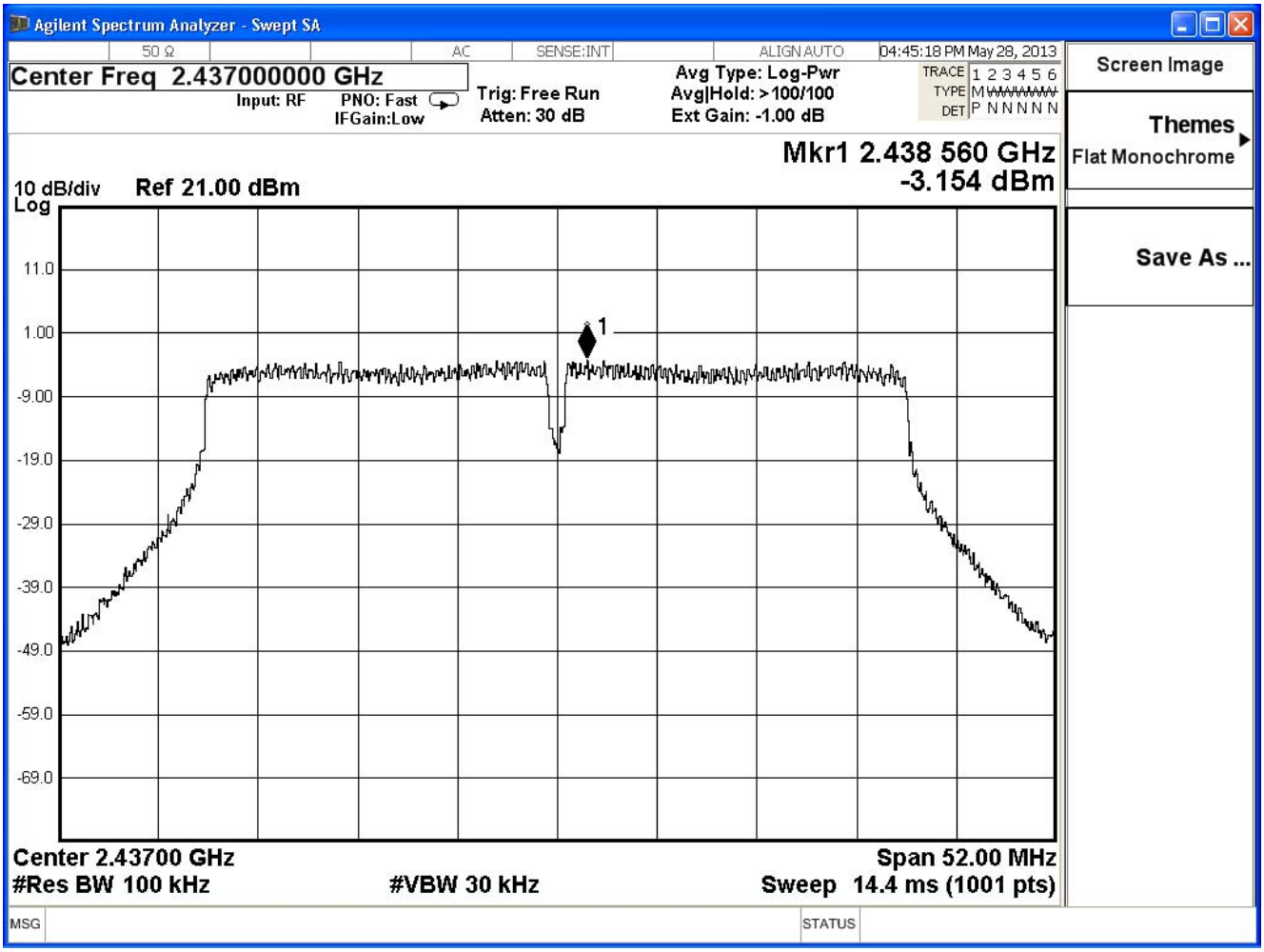
IEEE 802.11n_40MHz (ANT 0)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
3	2422	-3.30	-18.50	≦8	Pass
6	2437	-3.15	-18.35	≦8	Pass
9	2452	-3.33	-18.53	≦8	Pass

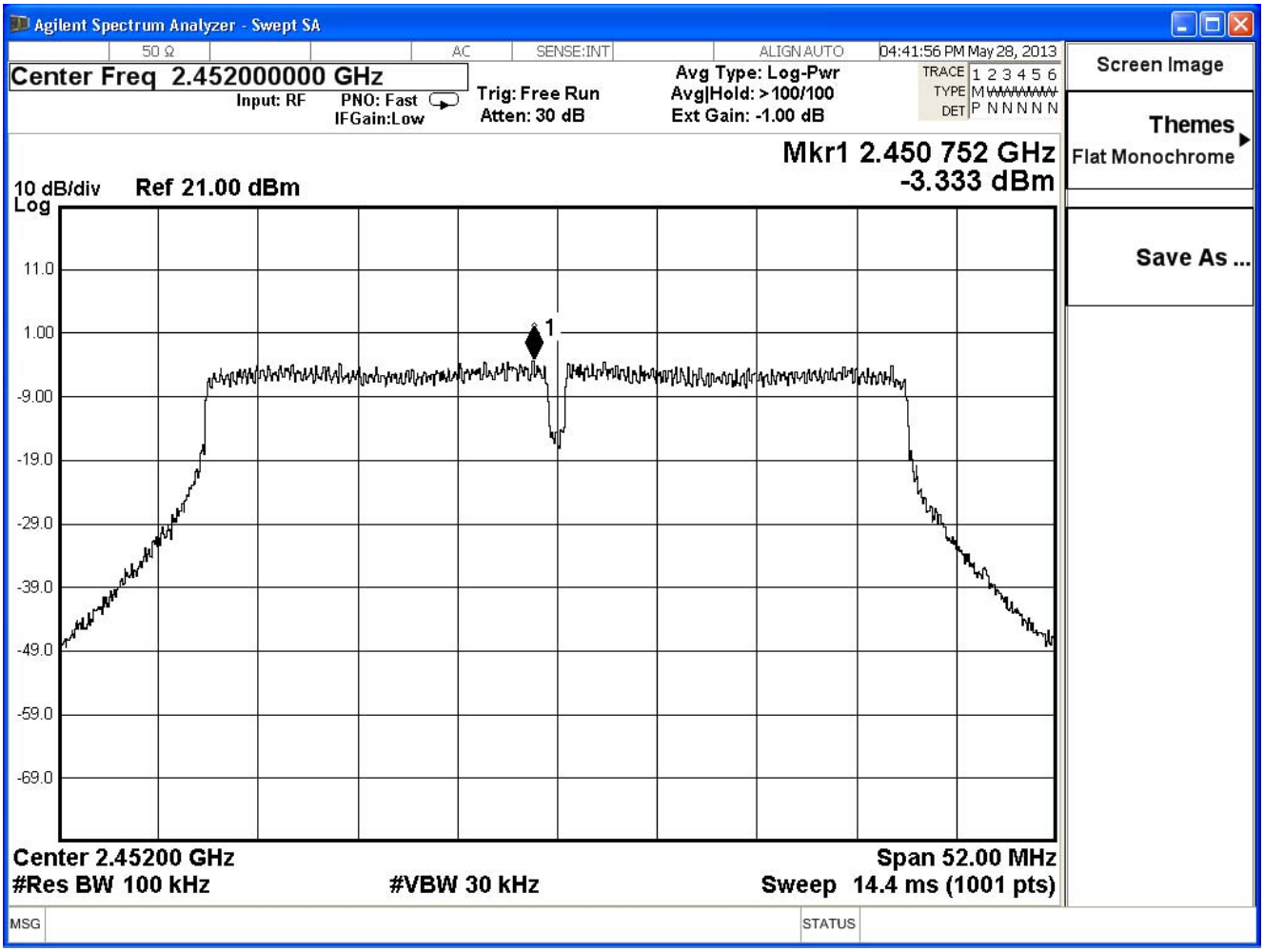
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:45:18 PM May 28, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.438 560 GHz
-3.154 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 30 kHz
Span 52.00 MHz
Sweep 14.4 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 9

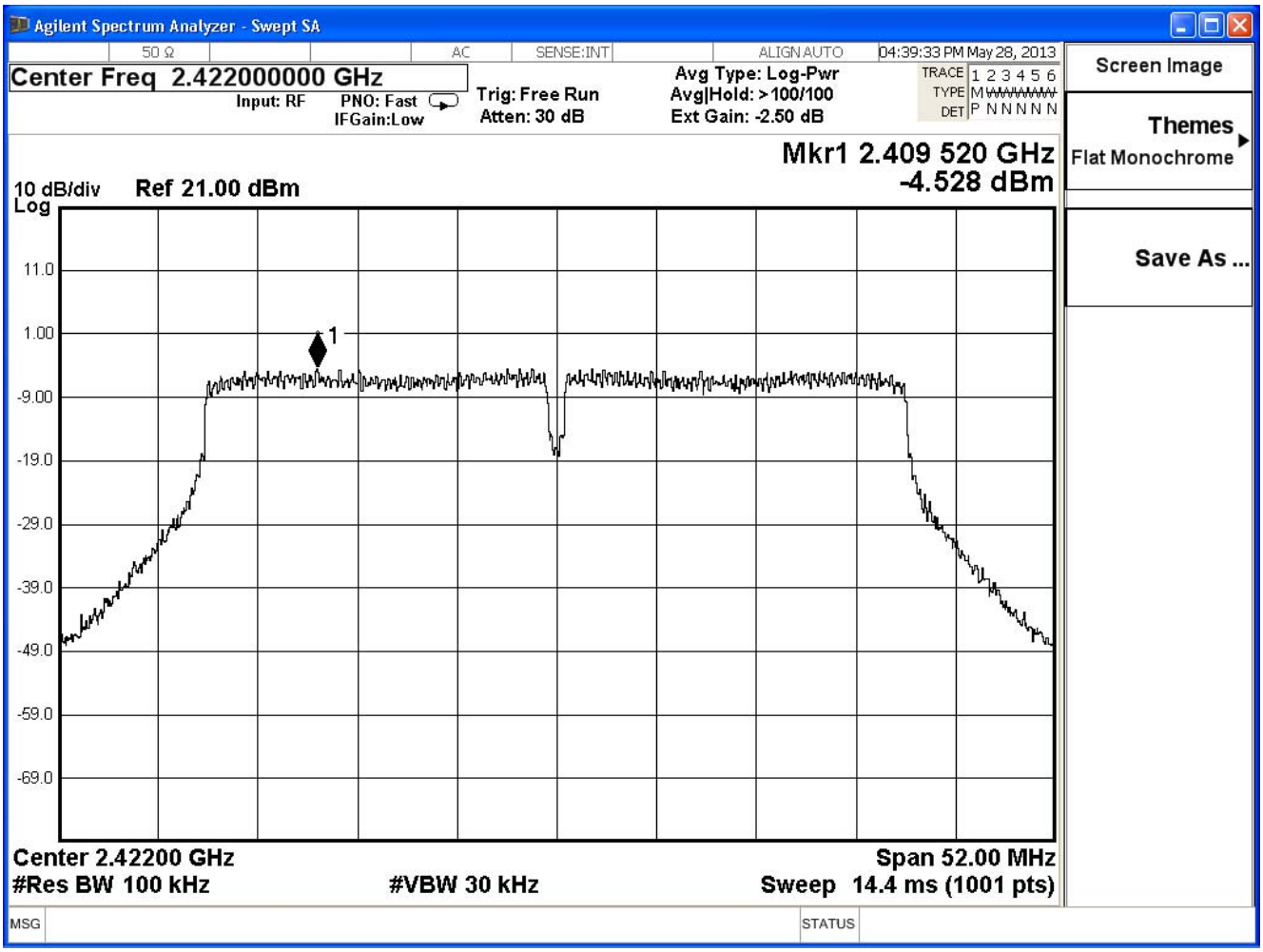

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:41:56 PM May 28, 2013
Center Freq 2.452000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.450 752 GHz
-3.333 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 2.45200 GHz
#Res BW 100 kHz
#VBW 30 kHz
Span 52.00 MHz
Sweep 14.4 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/07	Test Site	SR7

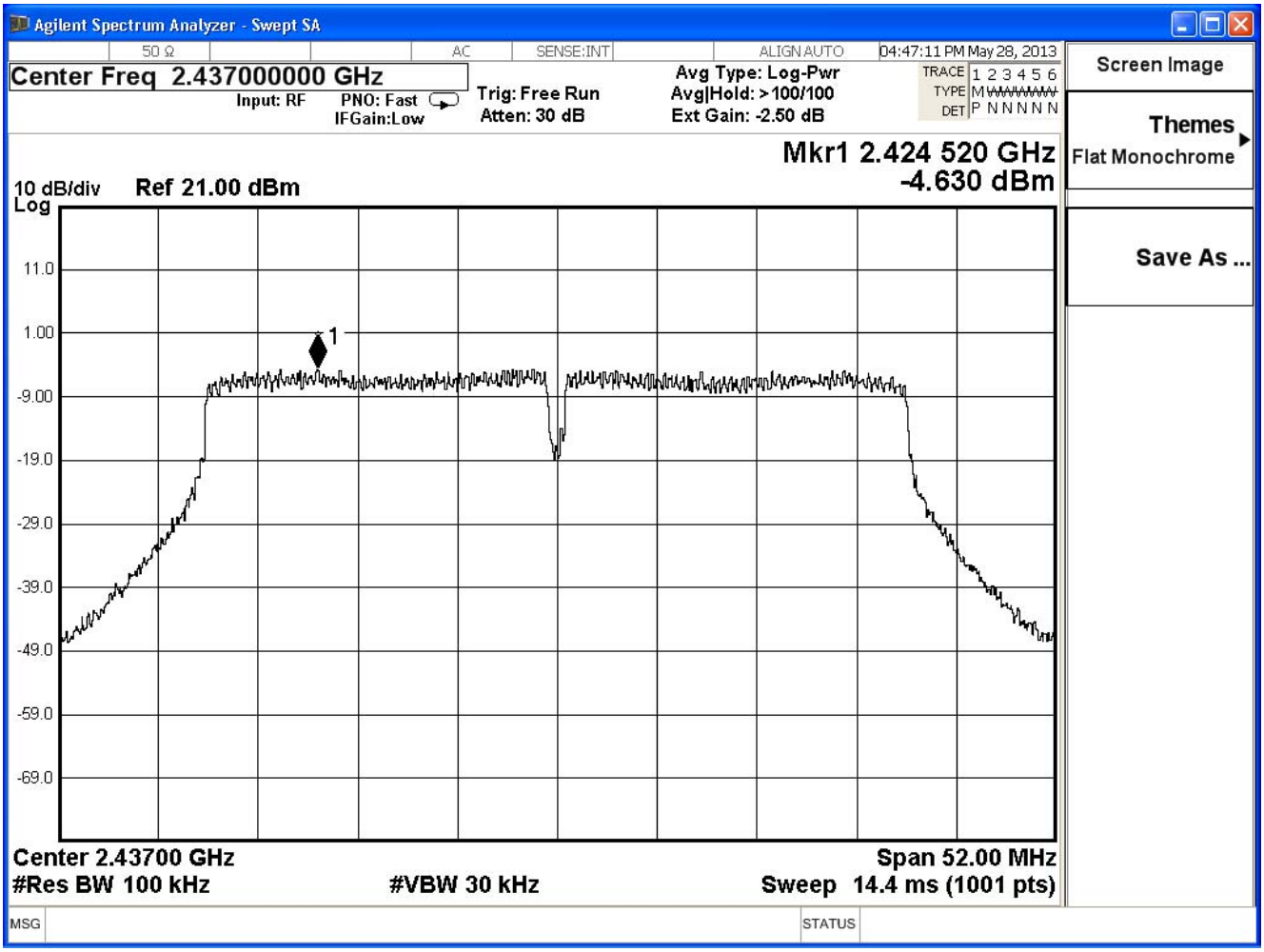
IEEE 802.11n_40MHz (ANT 1)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-4.52	-19.72	≦8	Pass
6	2437	-4.63	-19.83	≦8	Pass
9	2452	-4.05	-19.25	≦8	Pass

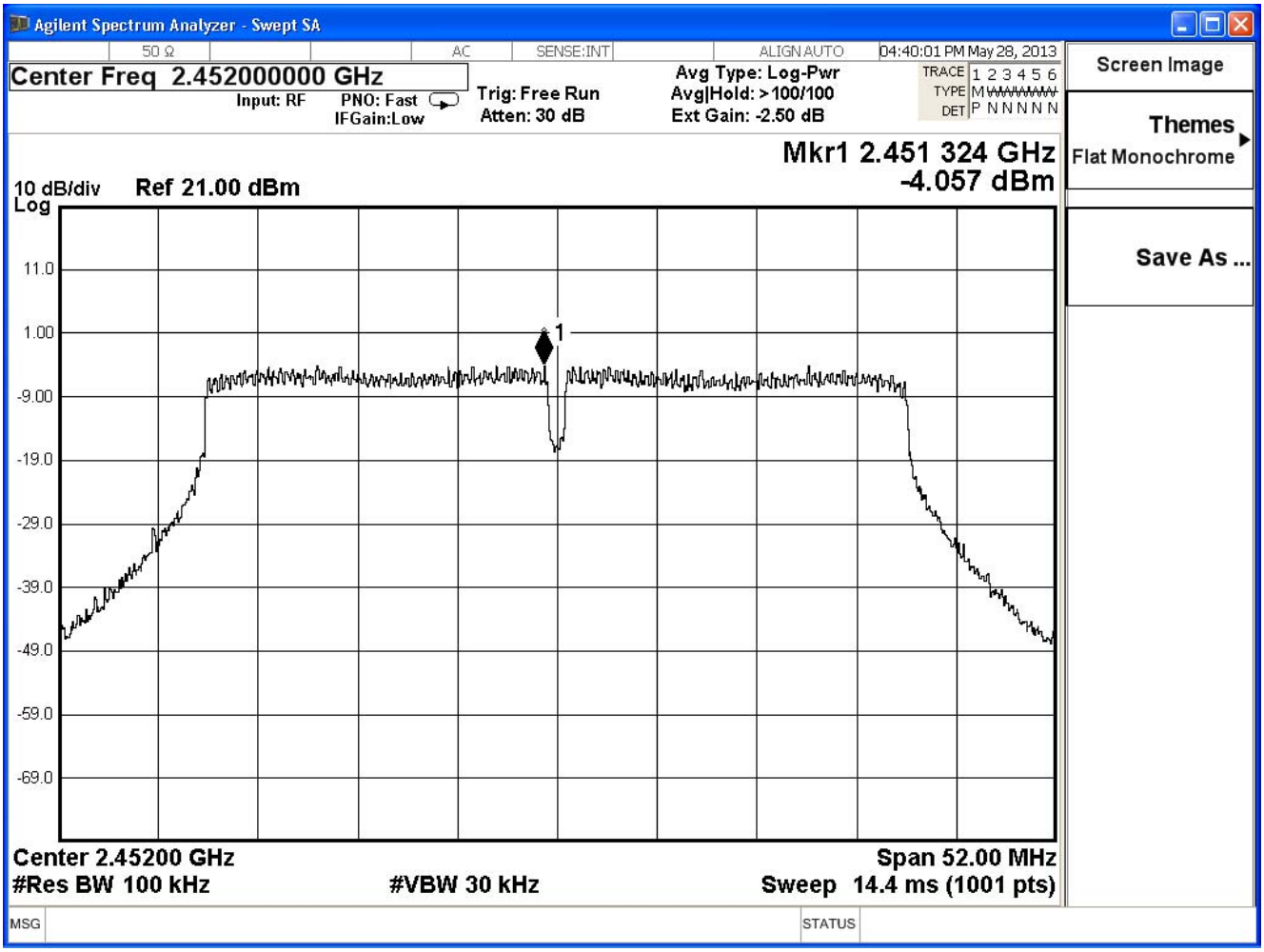
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:47:11 PM May 28, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.424 520 GHz
-4.630 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 30 kHz
Span 52.00 MHz
Sweep 14.4 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 9


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:40:01 PM May 28, 2013
Center Freq 2.452000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.451 324 GHz
-4.057 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
1
Center 2.45200 GHz
#Res BW 100 kHz
#VBW 30 kHz
Span 52.00 MHz
Sweep 14.4 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/07	Test Site	SR7

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

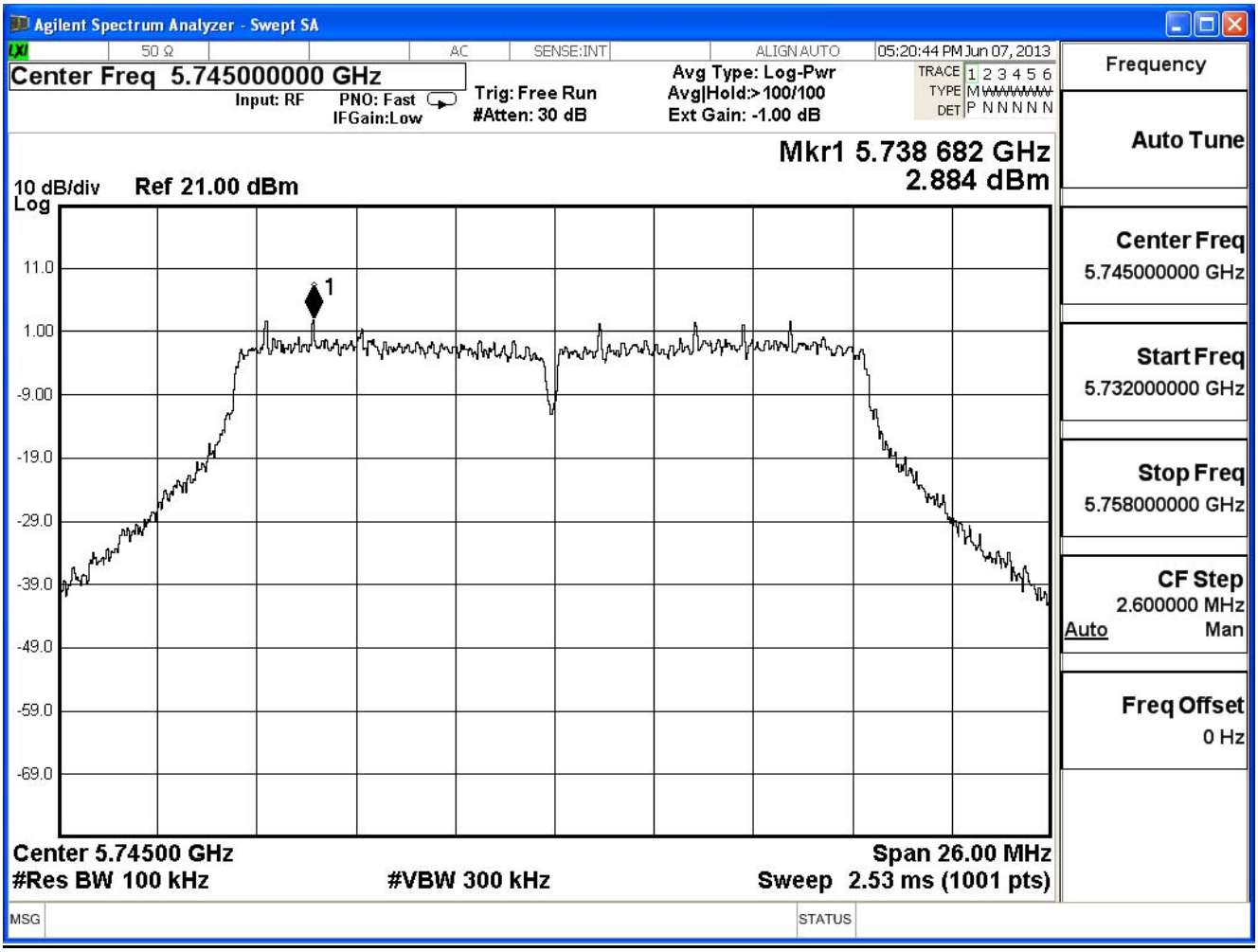
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-16.06	≦8	Pass
6	2437	-16.02	≦8	Pass
9	2452	-15.86	≦8	Pass

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

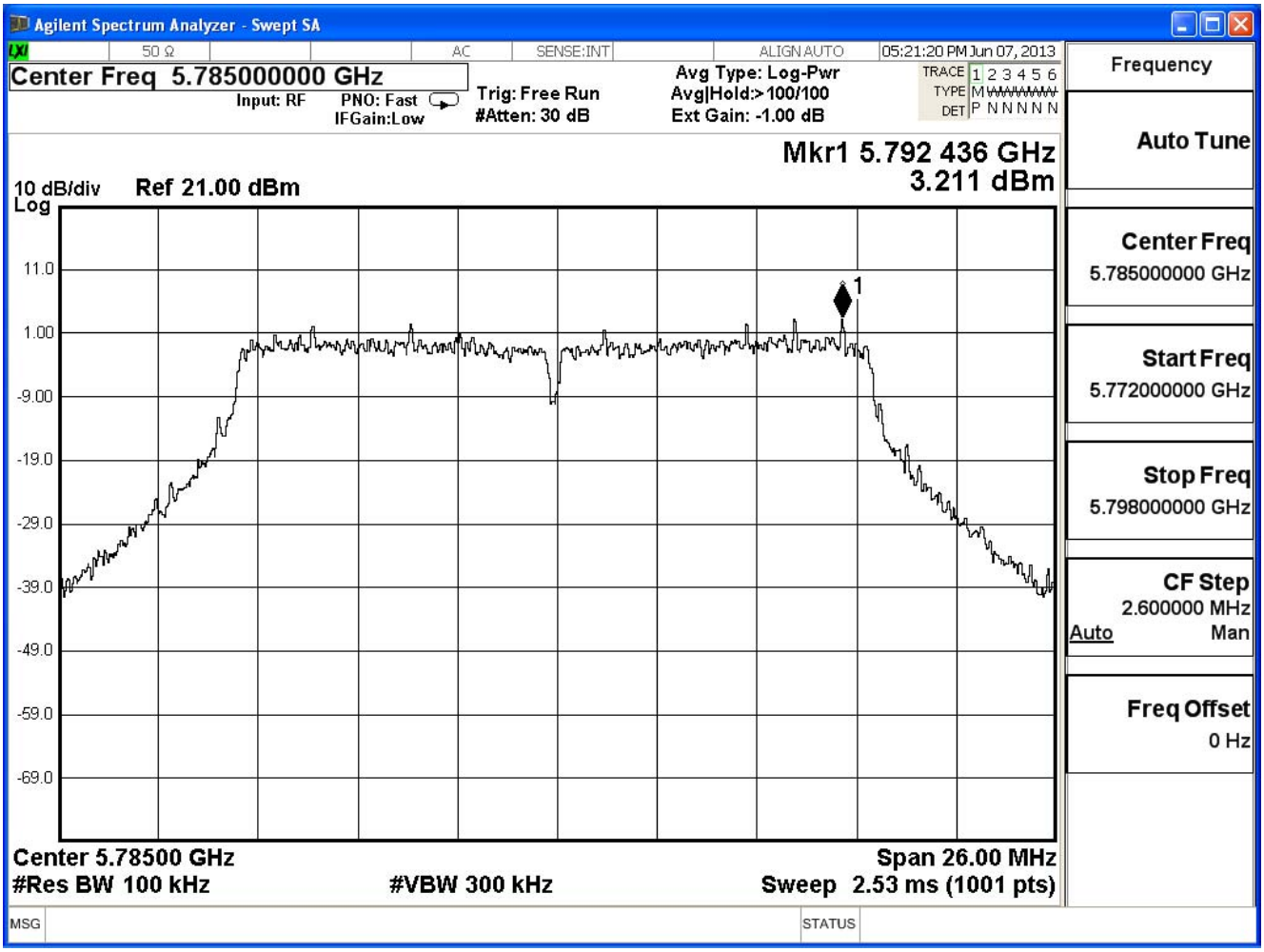
IEEE 802.11a

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	2.88	-12.32	≦8	Pass
157	5785	3.21	-11.99	≦8	Pass
165	5825	3.22	-11.98	≦8	Pass

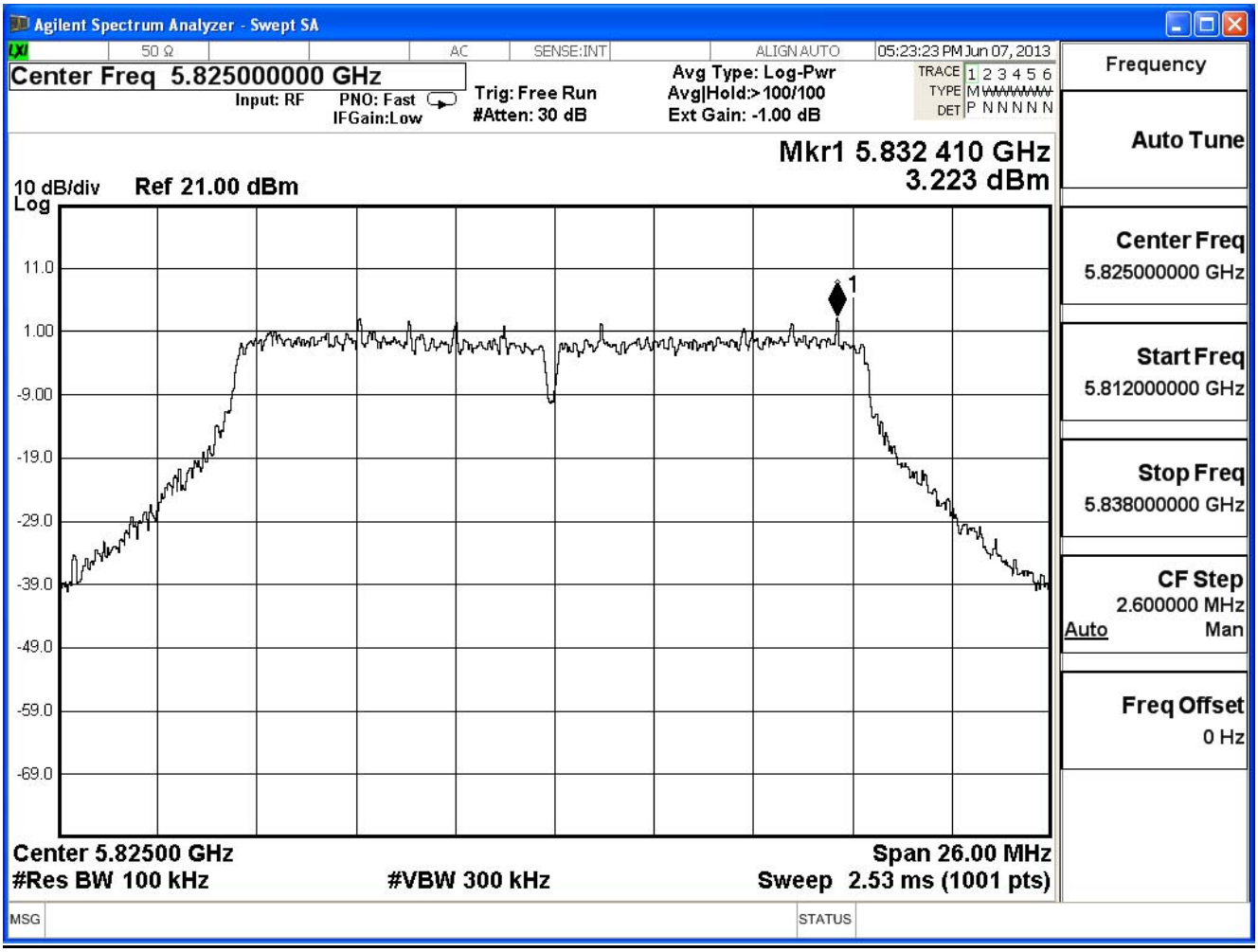
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:21:20 PM Jun 07, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.792 436 GHz
3.211 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
1
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 165

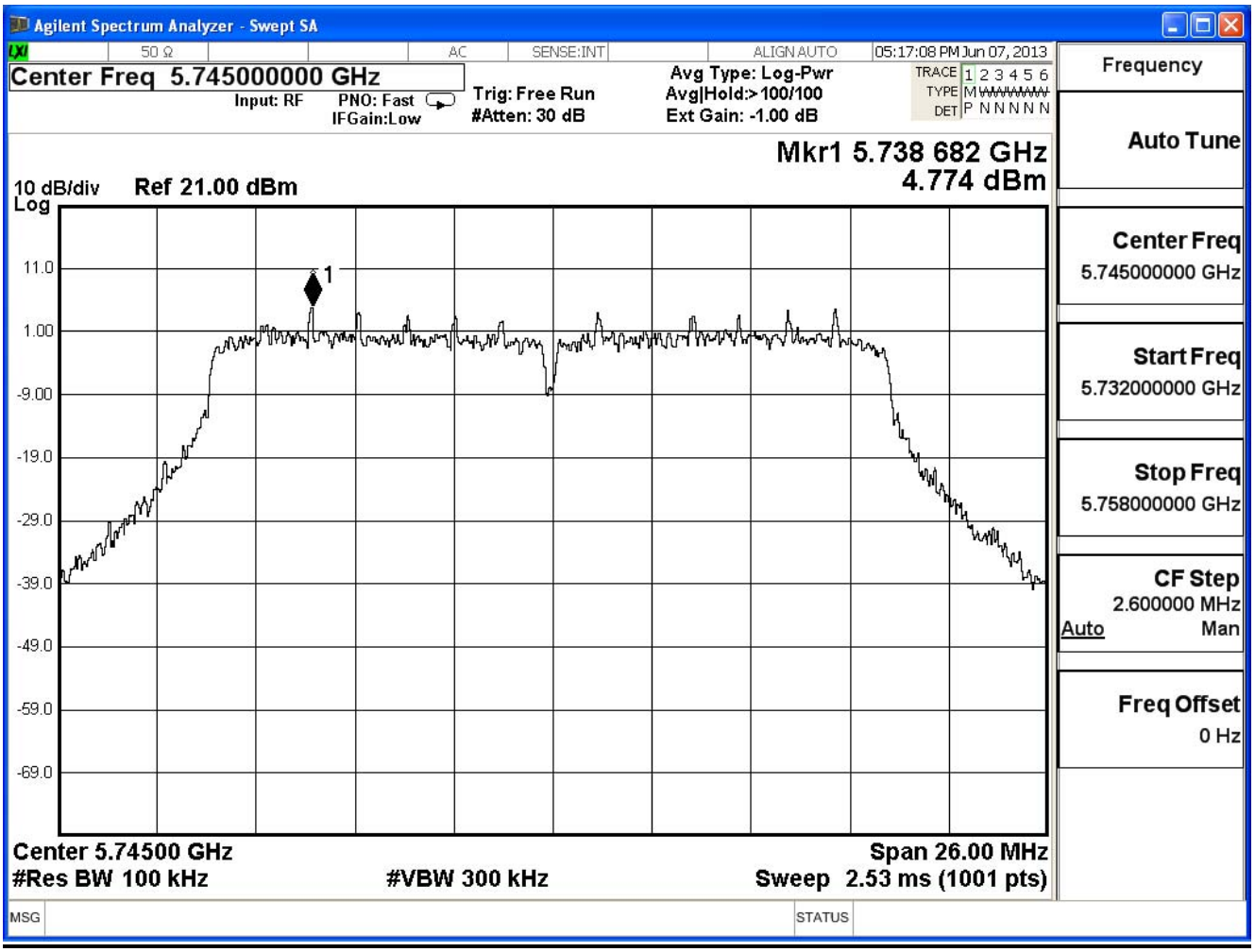

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:23:23 PM Jun 07, 2013
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.832 410 GHz
3.223 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.812000000 GHz
Stop Freq
5.838000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

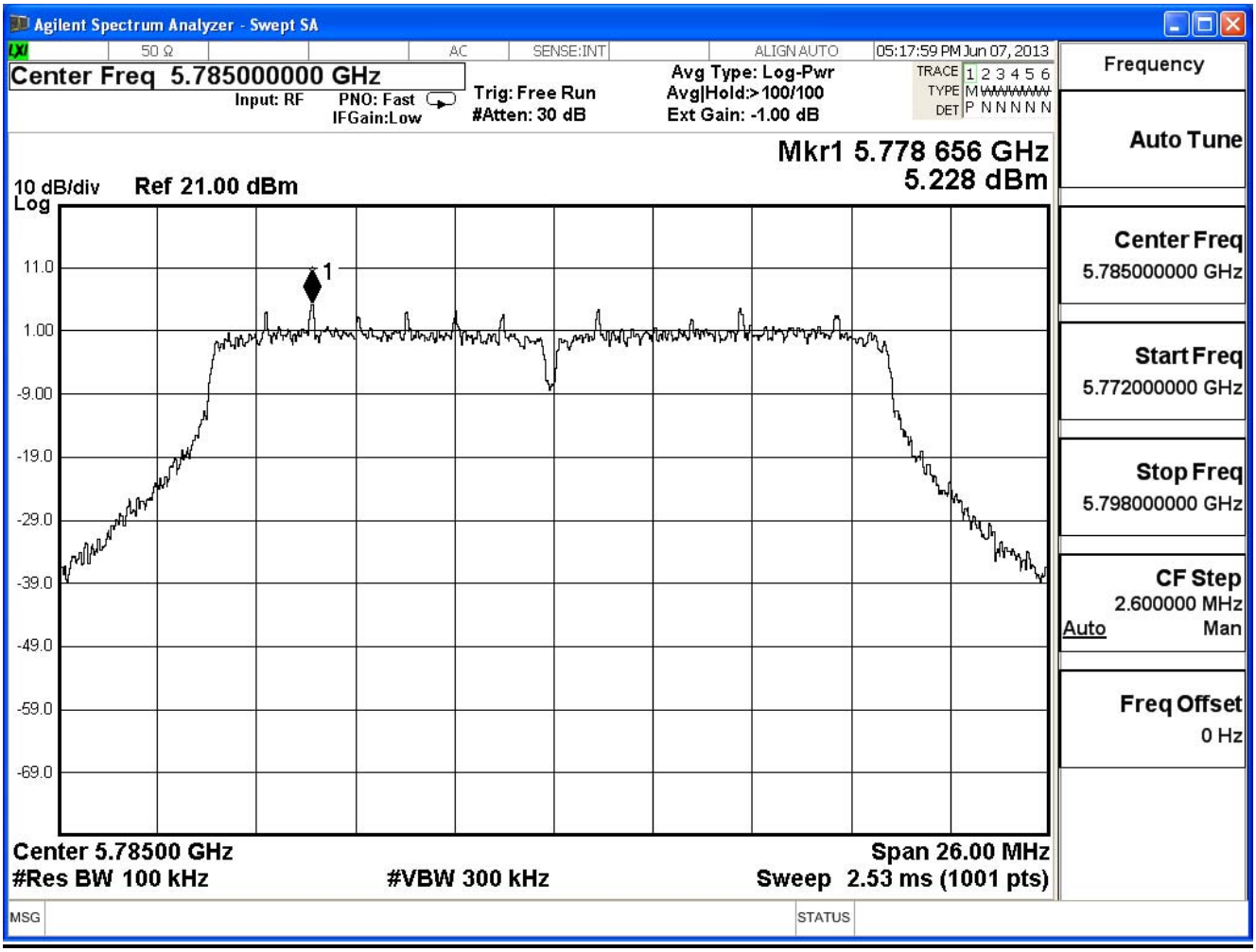
IEEE802.11n_20MHz_(ANT 0)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
149	5745	4.77	-10.43	≦8	Pass
157	5785	5.22	-9.98	≦8	Pass
165	5825	3.89	-11.31	≦8	Pass

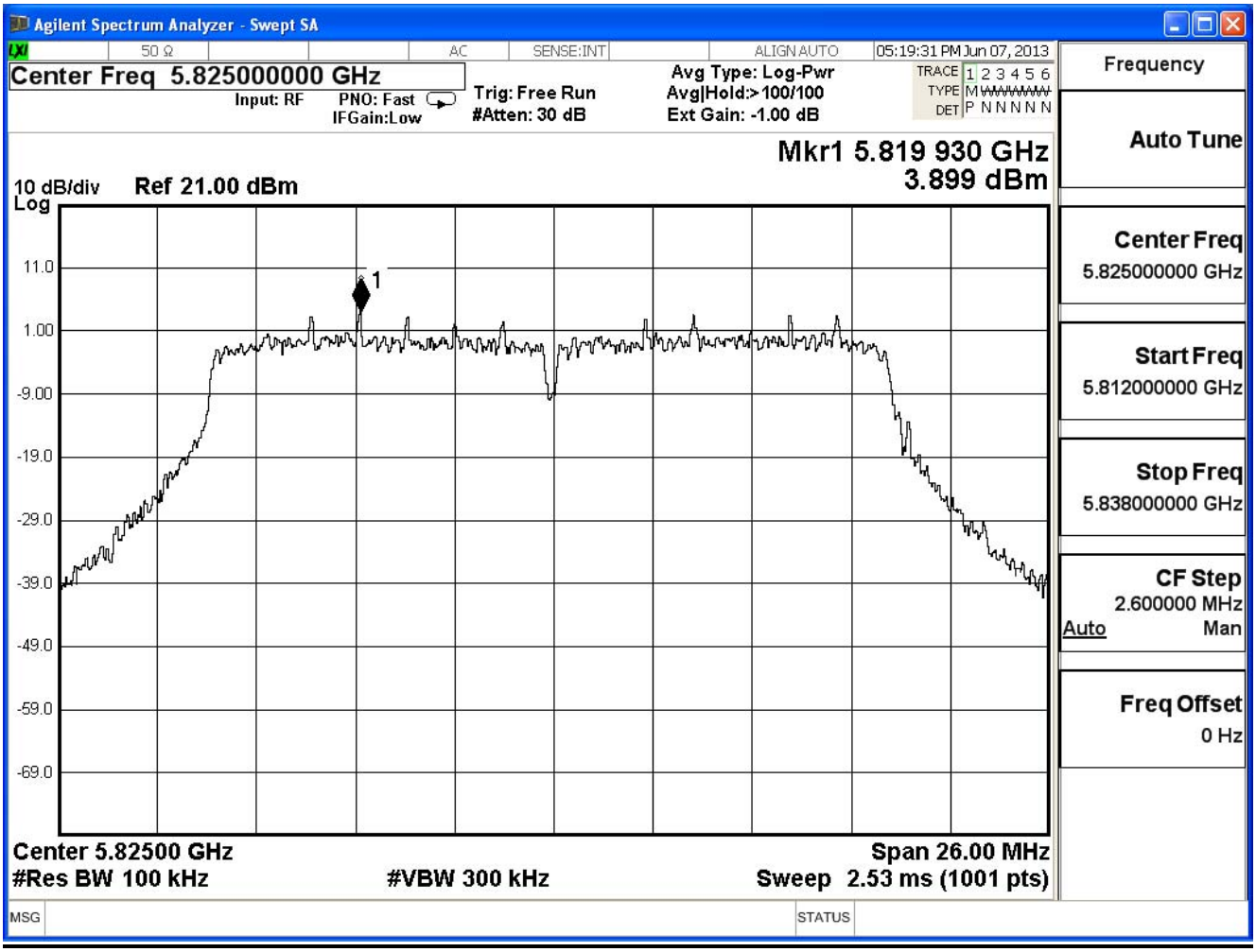
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:17:59 PM Jun 07, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.778 656 GHz
5.228 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Channel 165

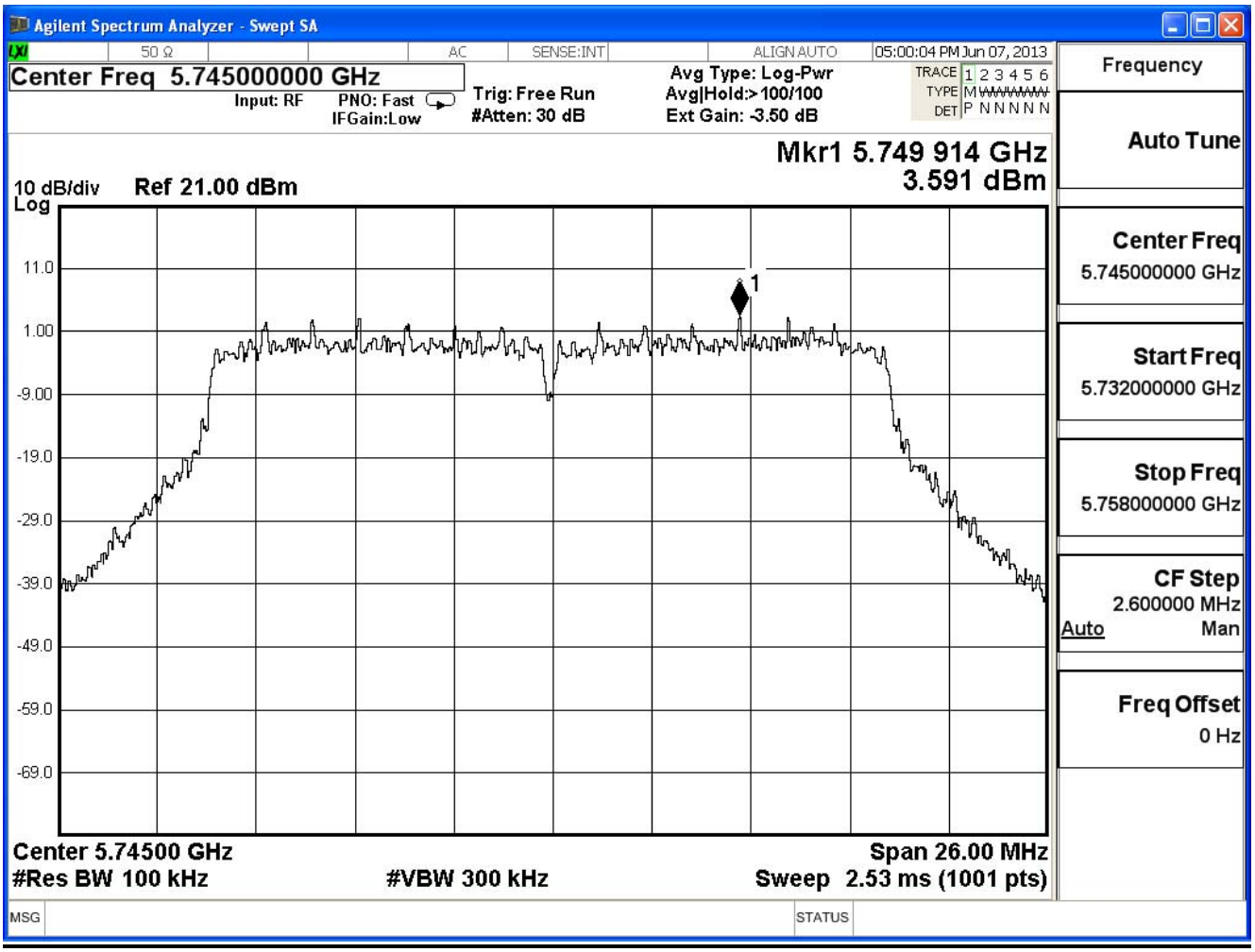

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:19:31 PM Jun 07, 2013
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.819 930 GHz
3.899 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.812000000 GHz
Stop Freq
5.838000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

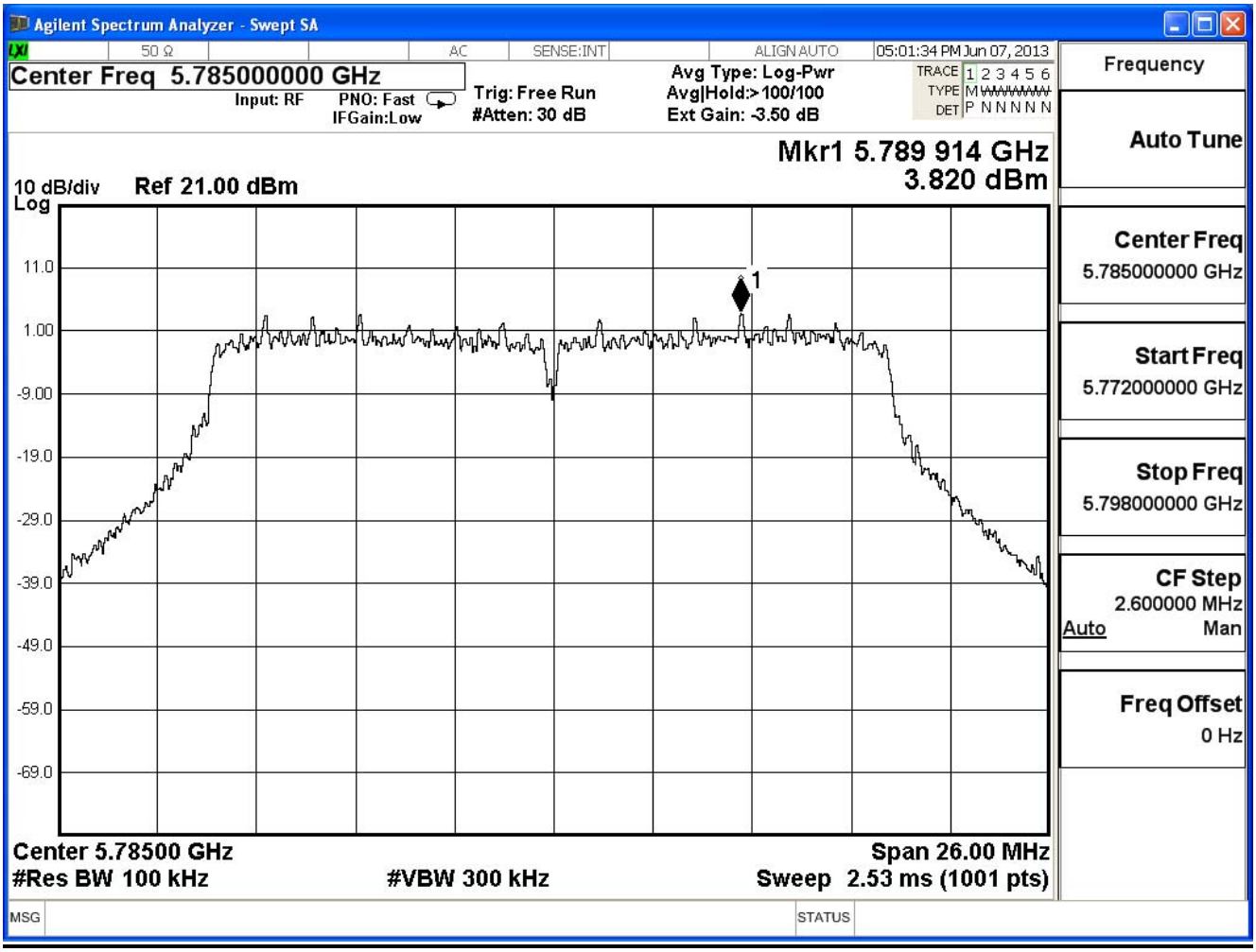
IEEE802.11n_20MHz_(ANT 1)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	3.59	-11.61	≦8	Pass
157	5785	3.82	-11.38	≦8	Pass
165	5825	3.46	-11.74	≦8	Pass

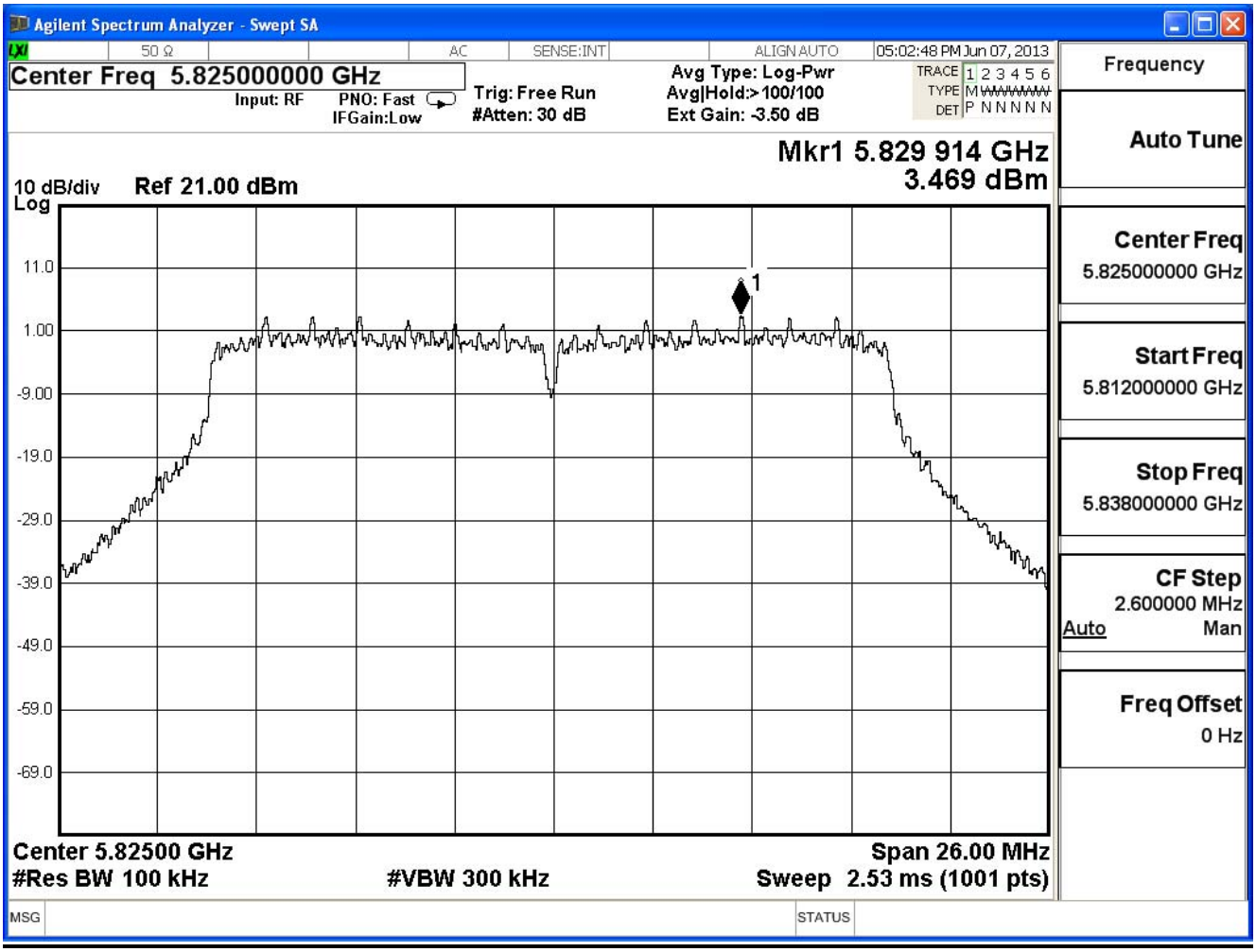
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:01:34 PM Jun 07, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.789 914 GHz
3.820 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:02:48 PM Jun 07, 2013
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.829 914 GHz
3.469 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.812000000 GHz
Stop Freq
5.838000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

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

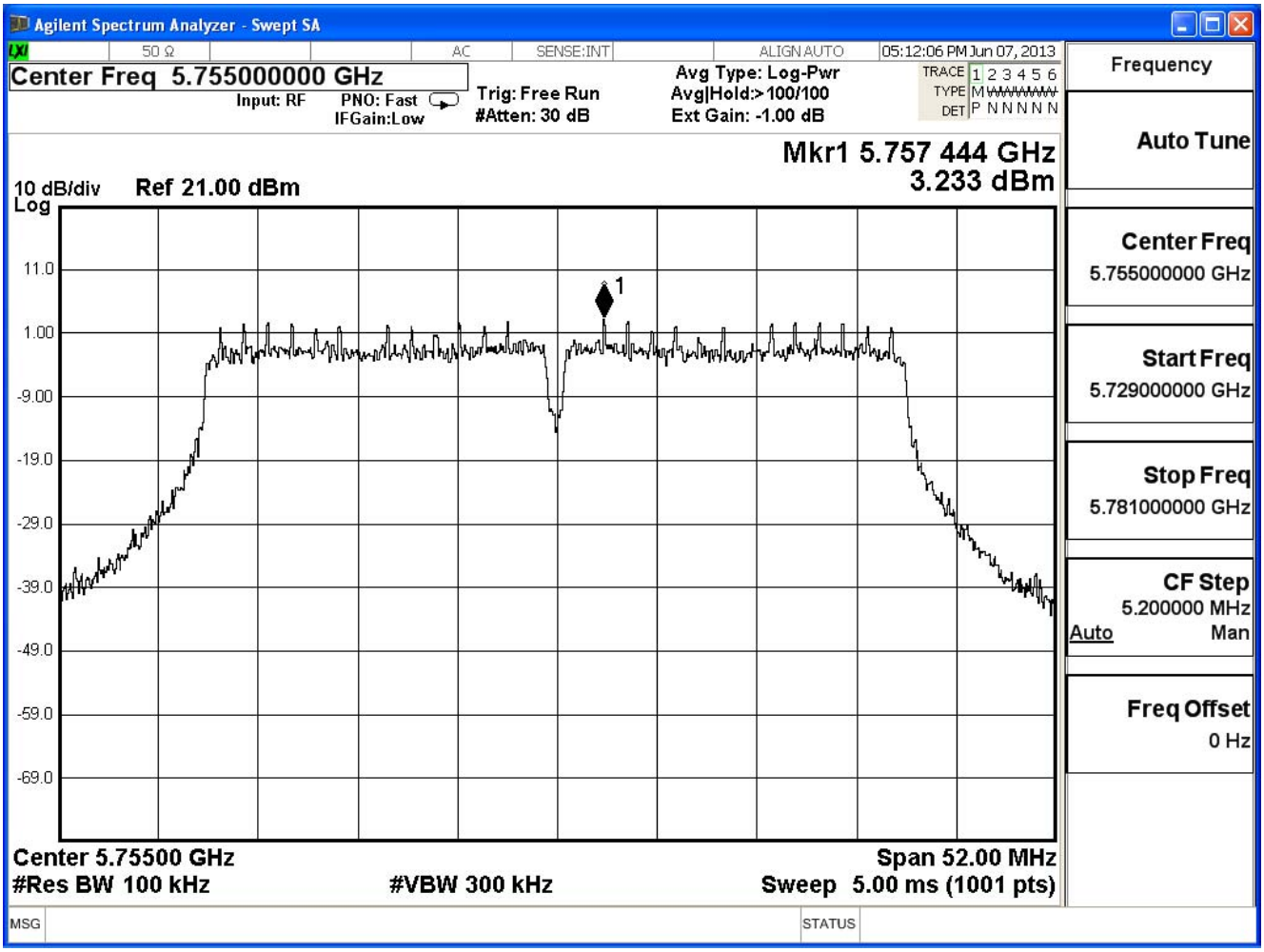
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-7.97	≦8	Pass
157	5785	-7.61	≦8	Pass
165	5825	-8.51	≦8	Pass

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

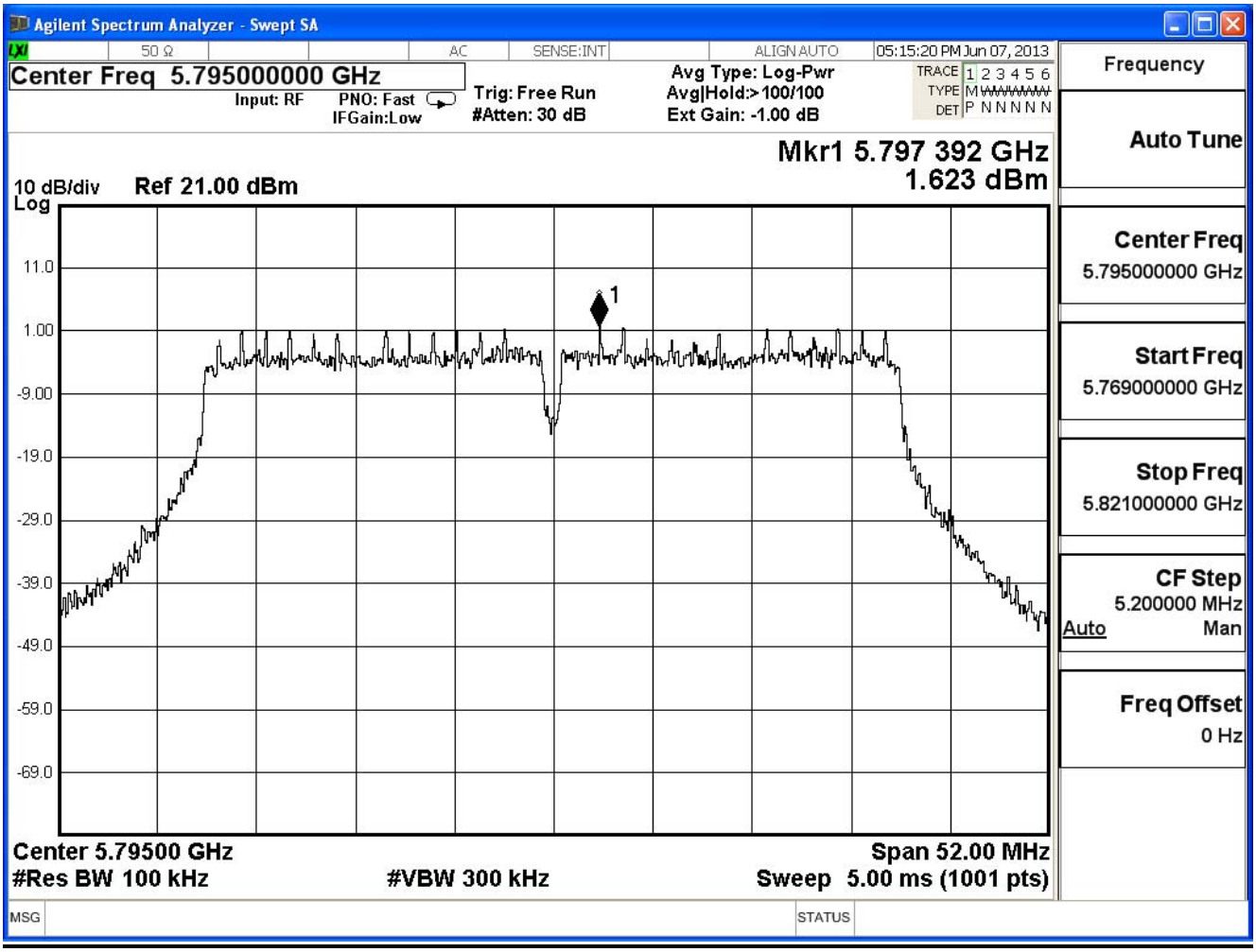
IEEE 802.11n_40MHz (ANT 0)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
151	5755	3.23	-11.97	≦8	Pass
159	5795	1.62	-13.58	≦8	Pass

Channel 151



Channel 159

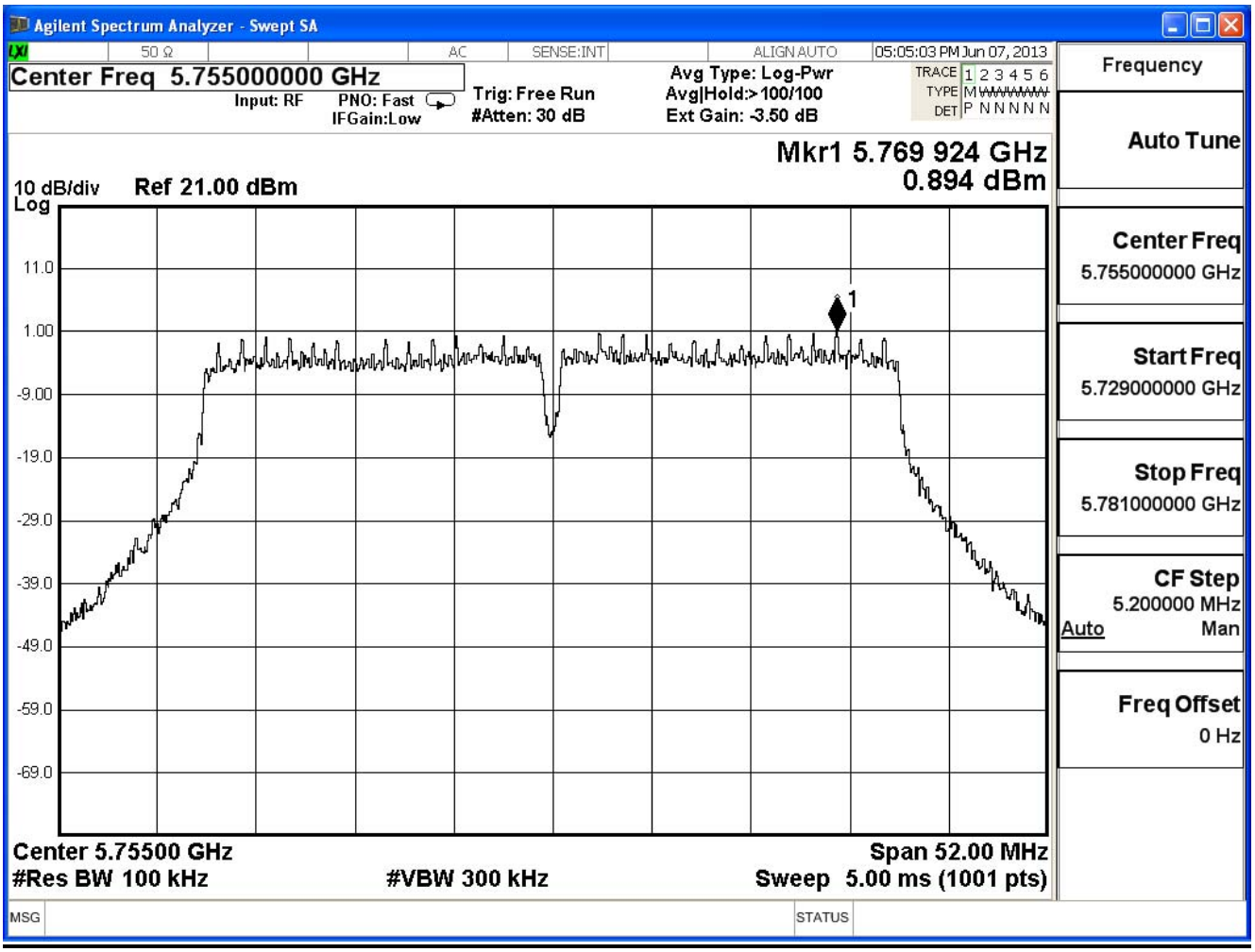

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:15:20 PM Jun 07, 2013
Center Freq 5.795000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.797 392 GHz
1.623 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 52.00 MHz
Sweep 5.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.769000000 GHz
Stop Freq
5.821000000 GHz
CF Step
5.200000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

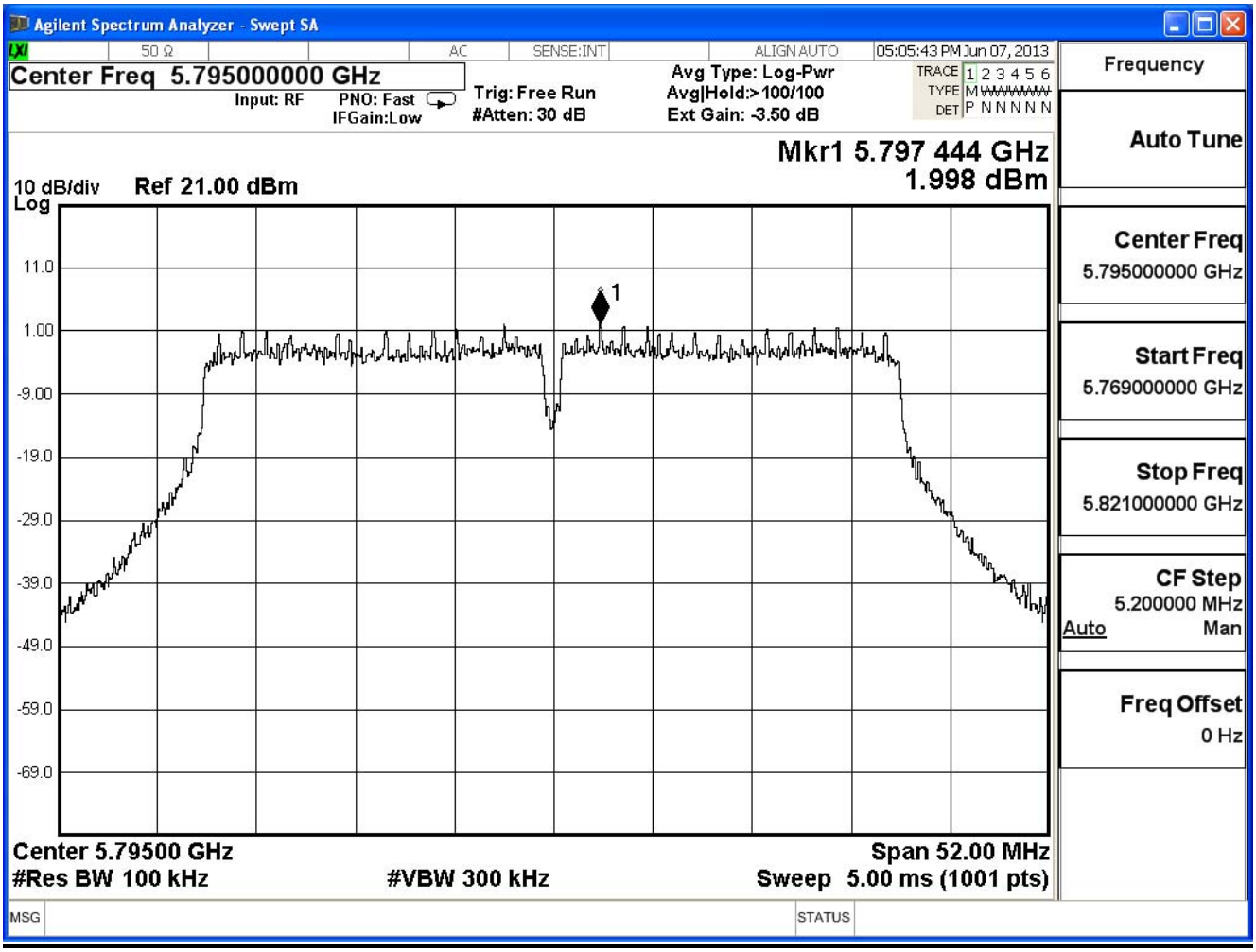
IEEE 802.11n_40MHz (ANT 1)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	0.89	-14.31	≦8	Pass
159	5795	1.99	-13.21	≦8	Pass

Channel 151



Channel 159


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:05:43 PM Jun 07, 2013
Center Freq 5.795000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.797 444 GHz
1.998 dBm
10 dB/div
Log
Ref 21.00 dBm
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
1
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 52.00 MHz
Sweep 5.00 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.769000000 GHz
Stop Freq
5.821000000 GHz
CF Step
5.200000 MHz
Auto
Man
Freq Offset
0 Hz

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

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

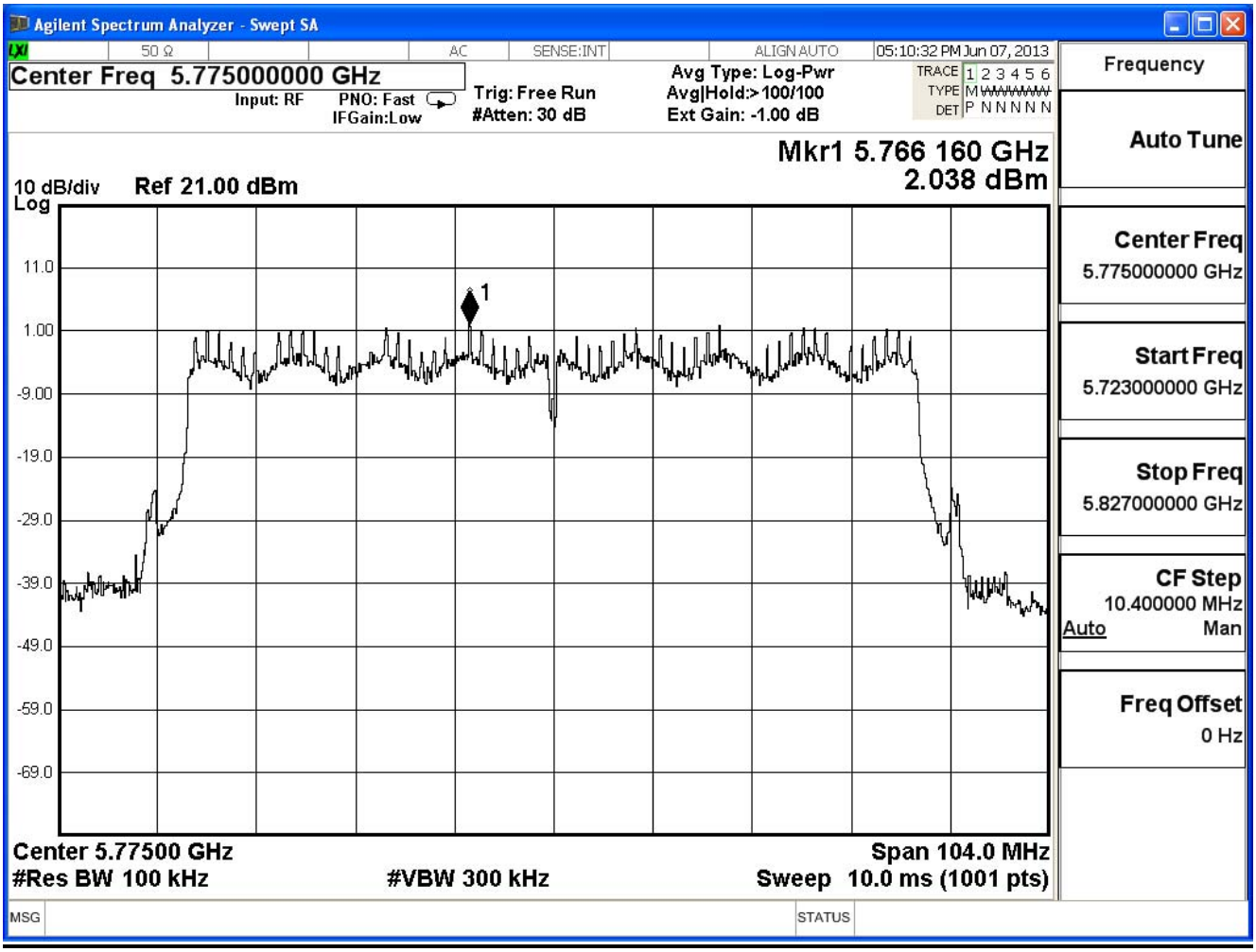
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-9.97	≦8	Pass
159	5795	-10.38	≦8	Pass

Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)

Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	2.03	-13.17	≦8	Pass

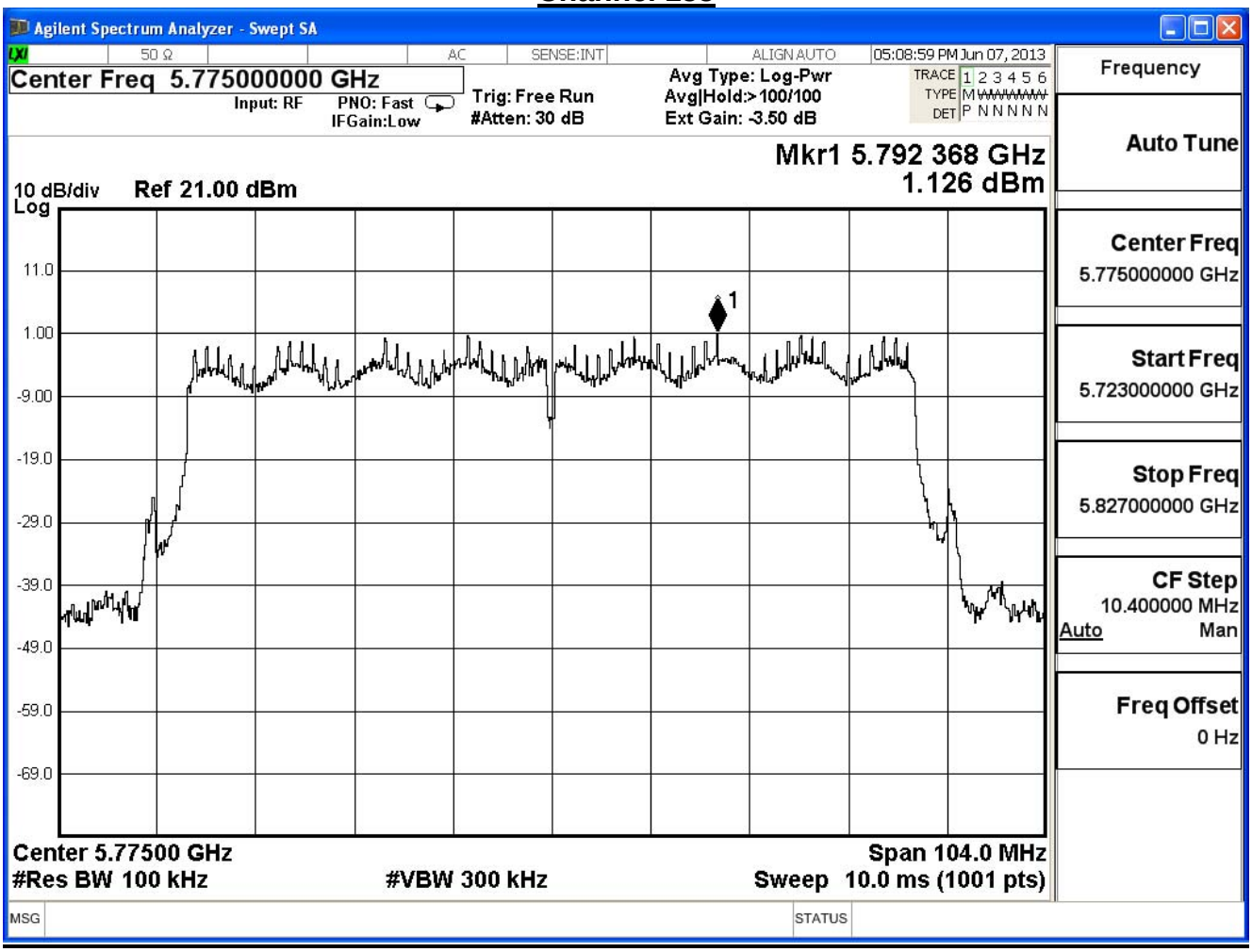
Channel 155



Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	1.12	-14.08	≦8	Pass

Channel 155



Product	USB-AC56 dual-bank wireless adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Dipole Antenna)		
Date of Test	2013/06/10	Test Site	SR7

IEEE802.11ac_80MHz(ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-10.59	≦8	Pass