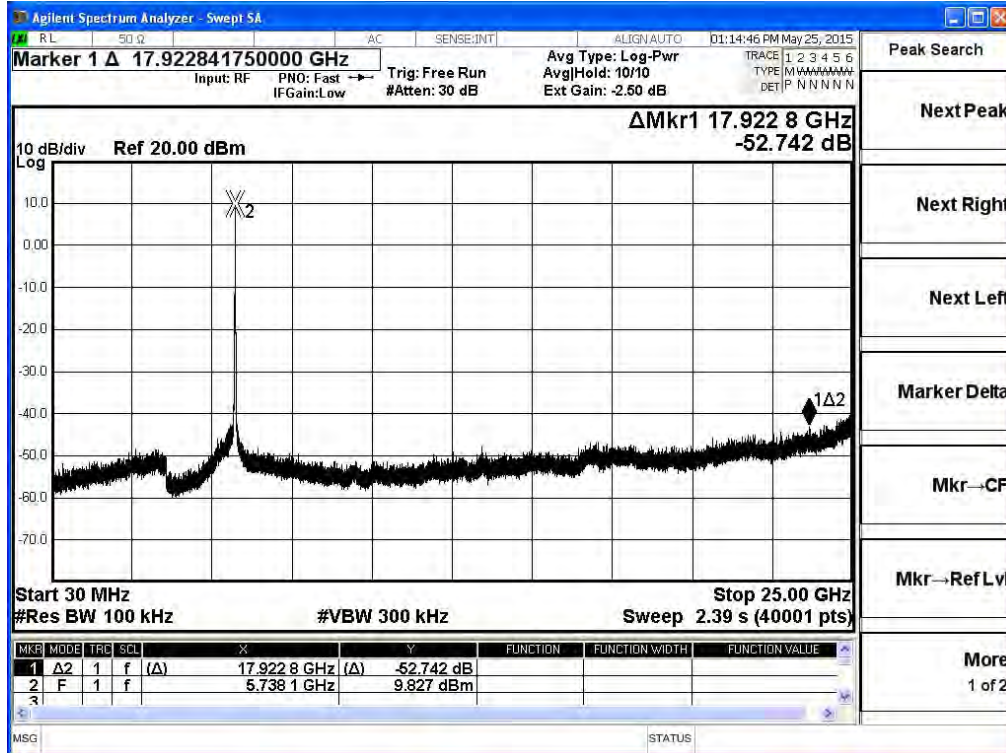
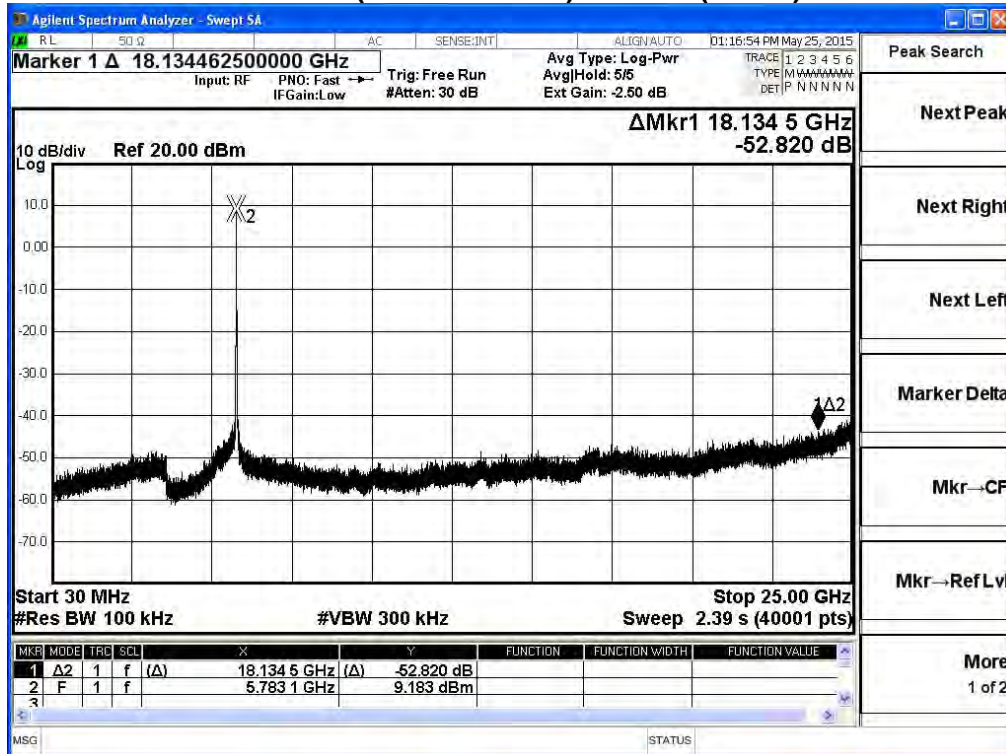


Product	Dual-band Wireless Range Extender		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/24	Test Site	SR7

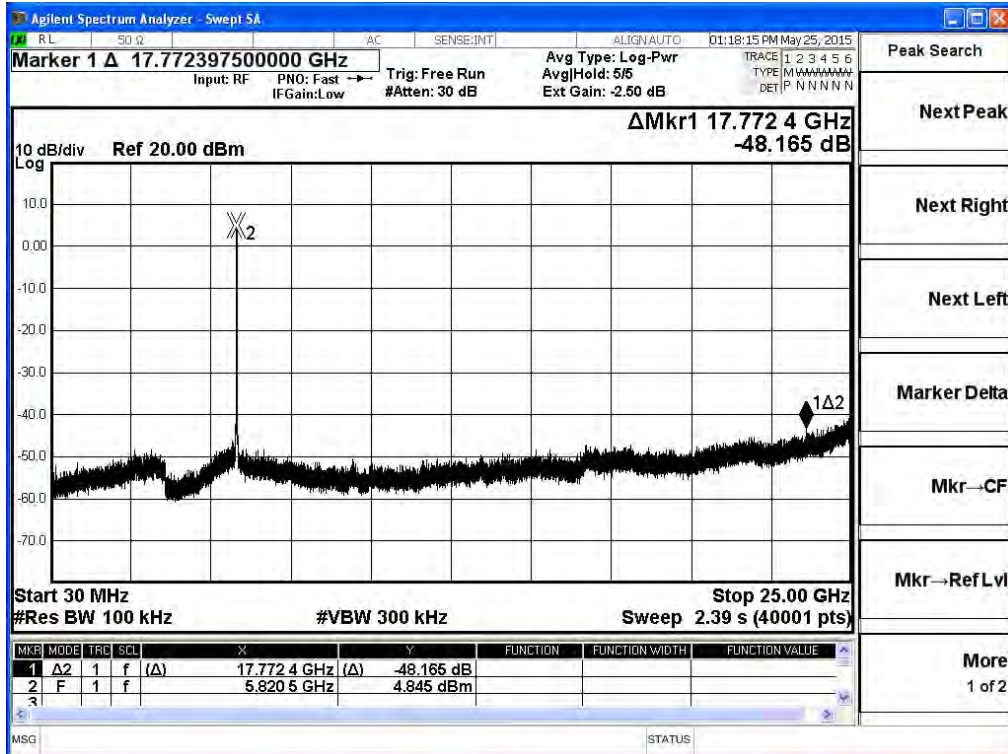
**5745MHz (30MHz~25GHz)-802.11a (ANT 0)**



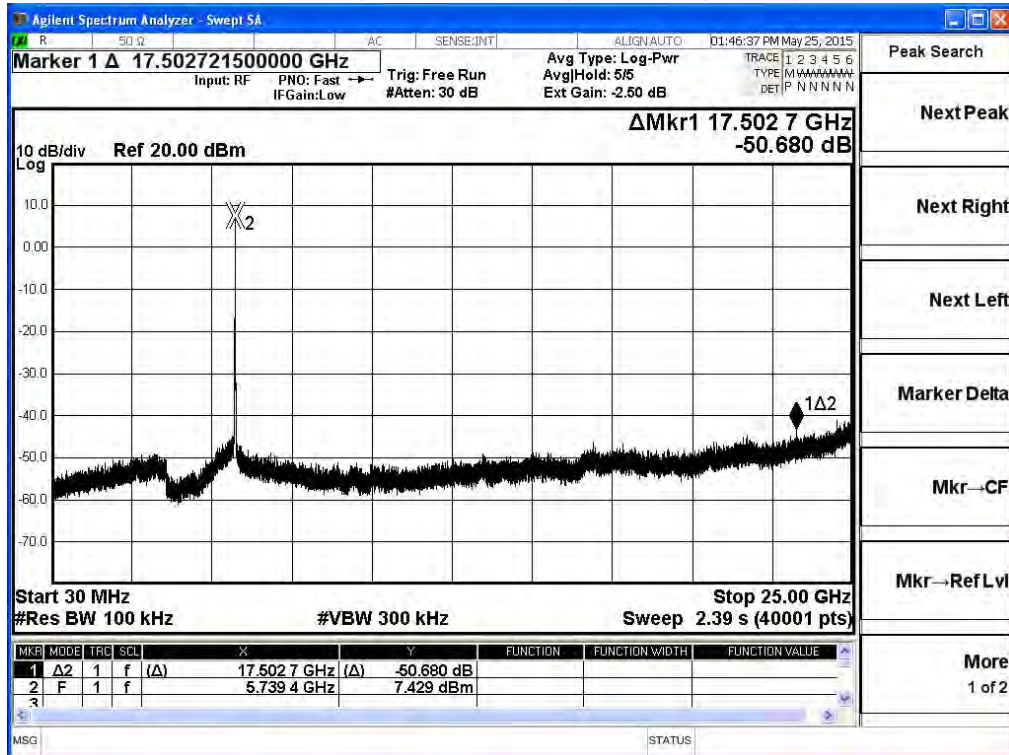
**5785MHz (30MHz~25GHz)-802.11a (ANT 0)**



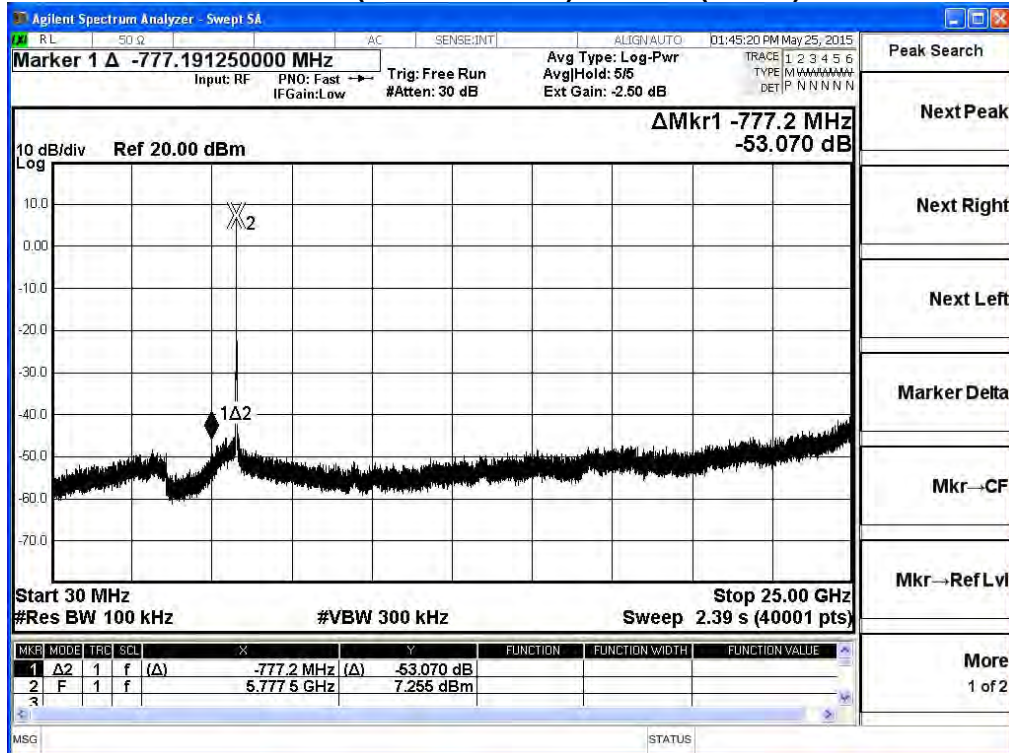
**5825MHz (30MHz~25GHz)-802.11a (ANT 0)**



**5745MHz (30MHz~25GHz)-802.11a (ANT 1)**

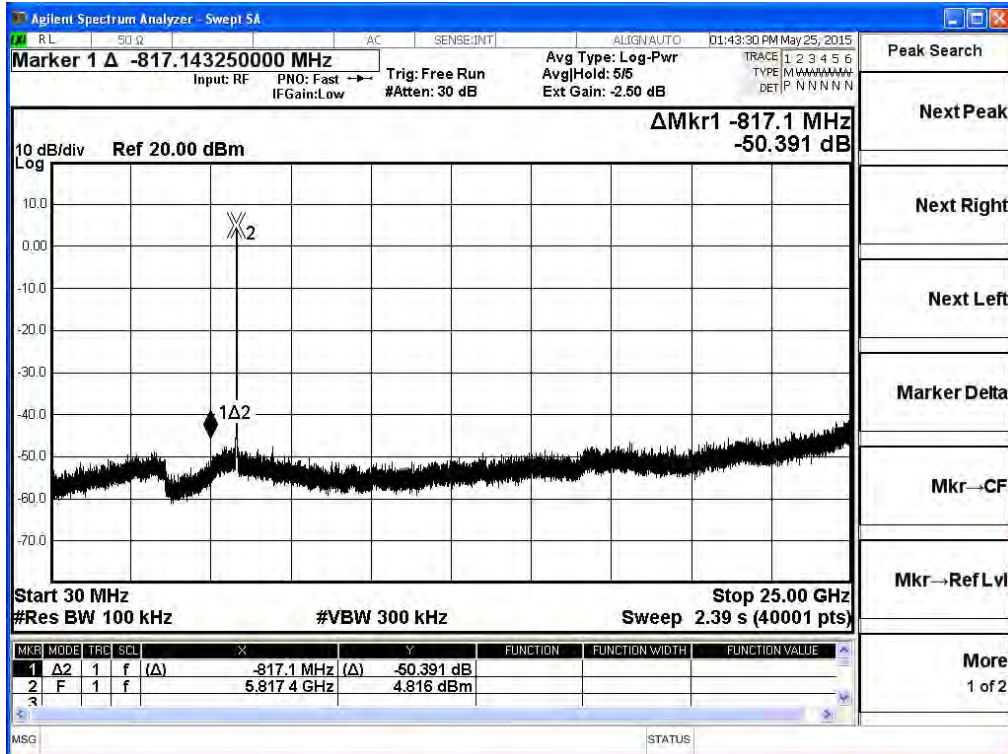


**5785MHz (30MHz~25GHz)-802.11a (ANT 1)**

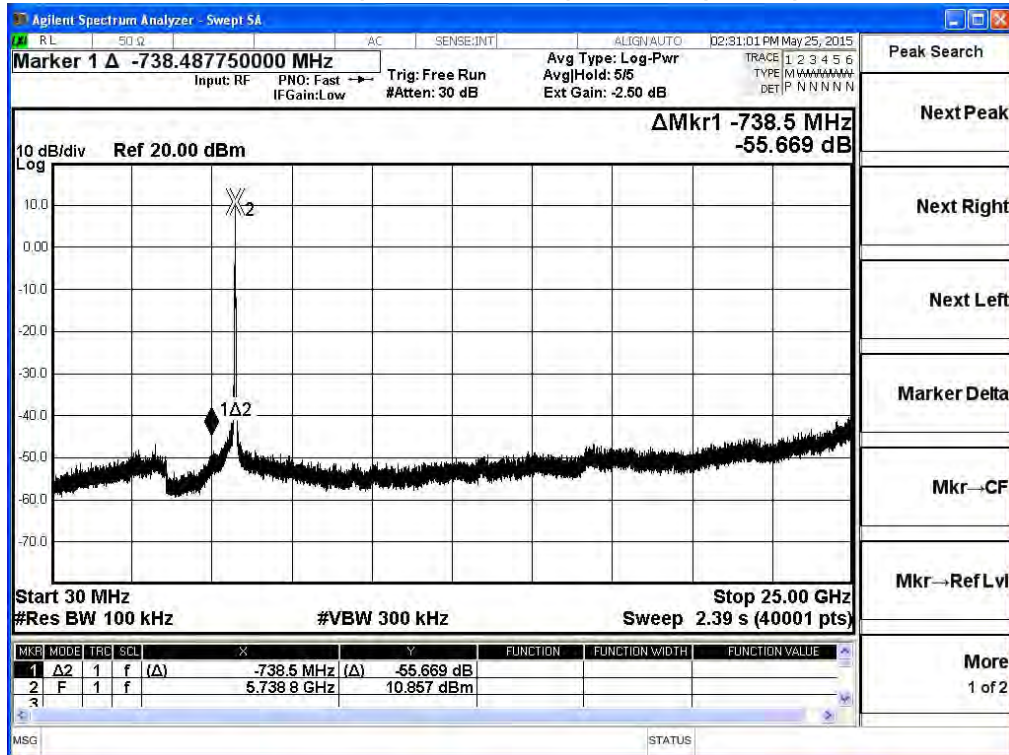




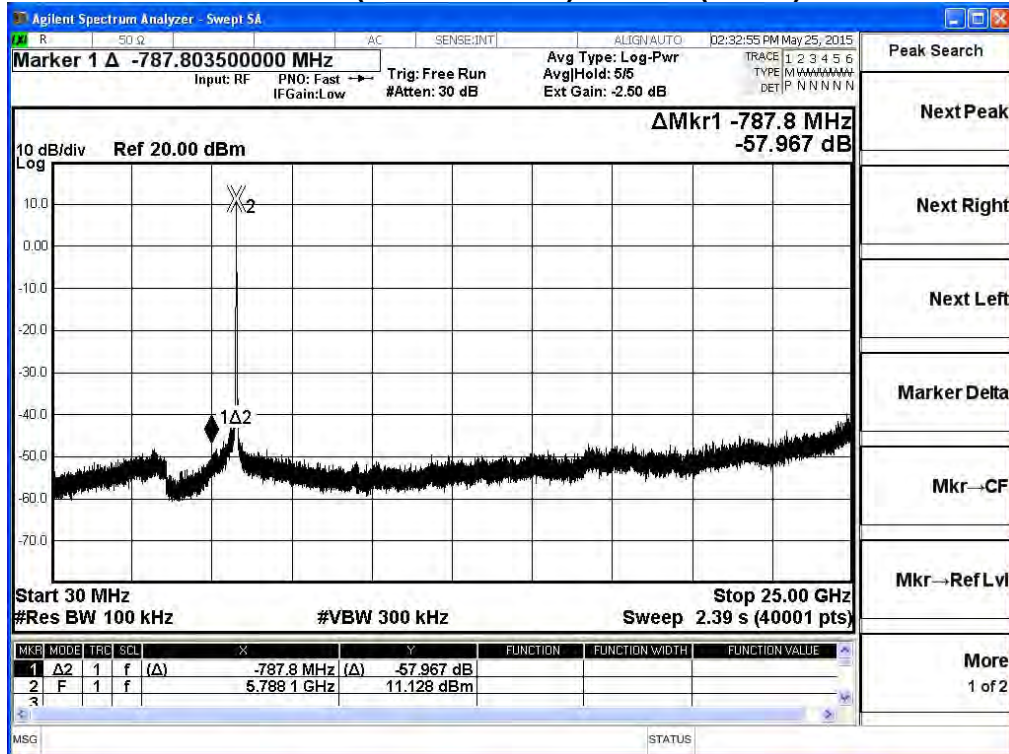
**5825MHz (30MHz~25GHz)-802.11a (ANT 1)**



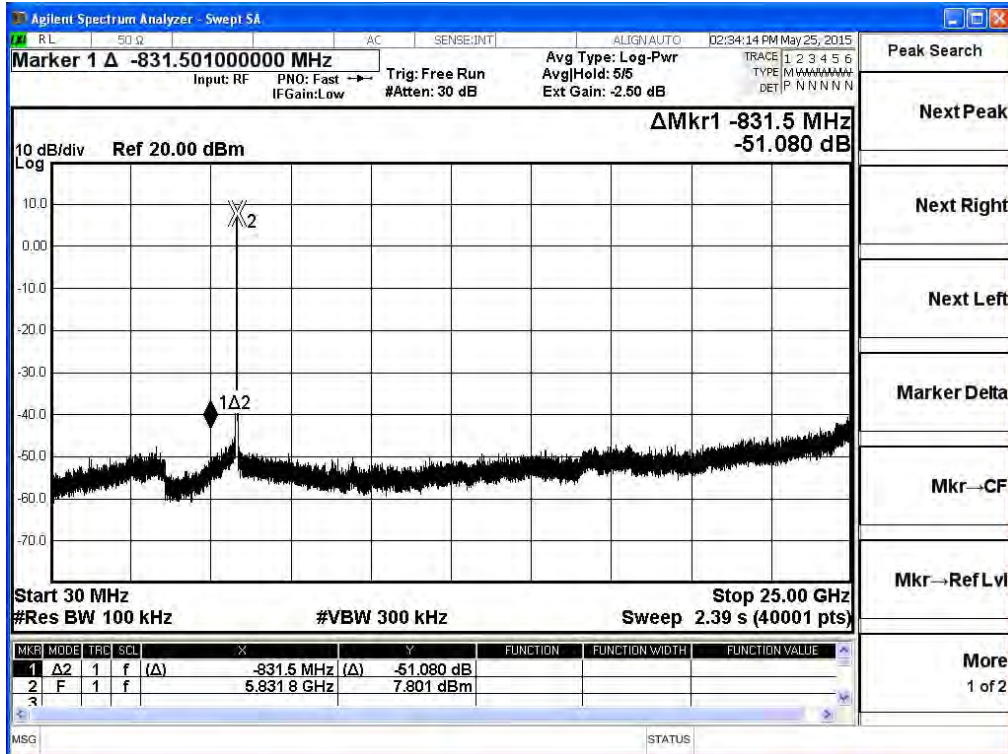
**5745MHz (30MHz~25GHz)-802.11a (ANT 2)**



**5785MHz (30MHz~25GHz)-802.11a (ANT 2)**

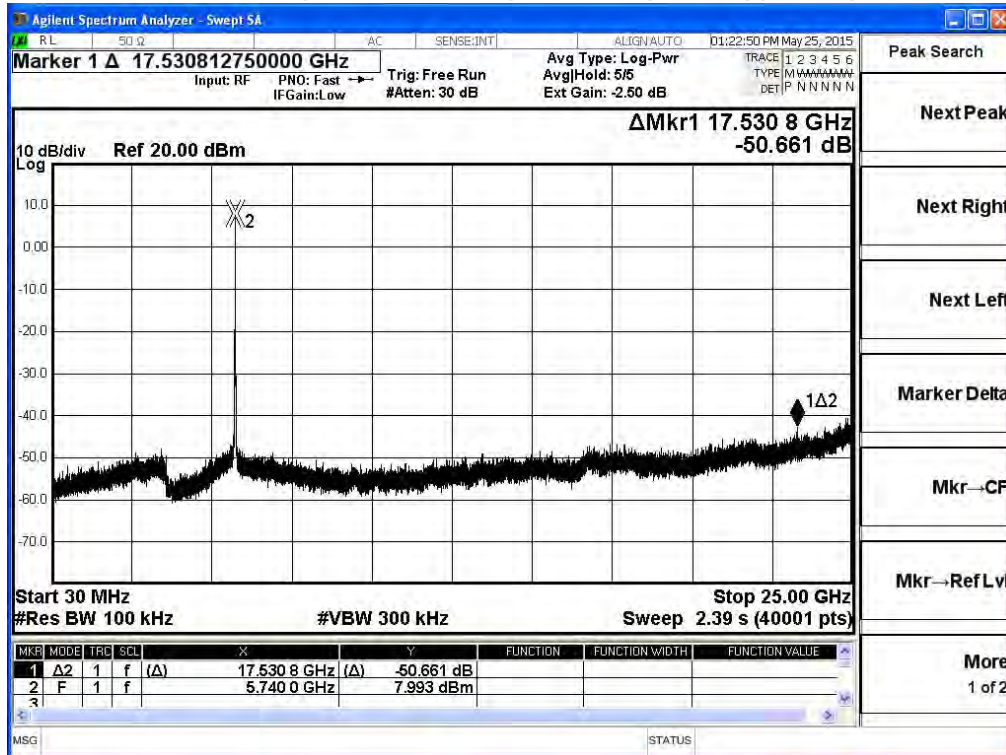


**5825MHz (30MHz~25GHz)-802.11a (ANT 2)**

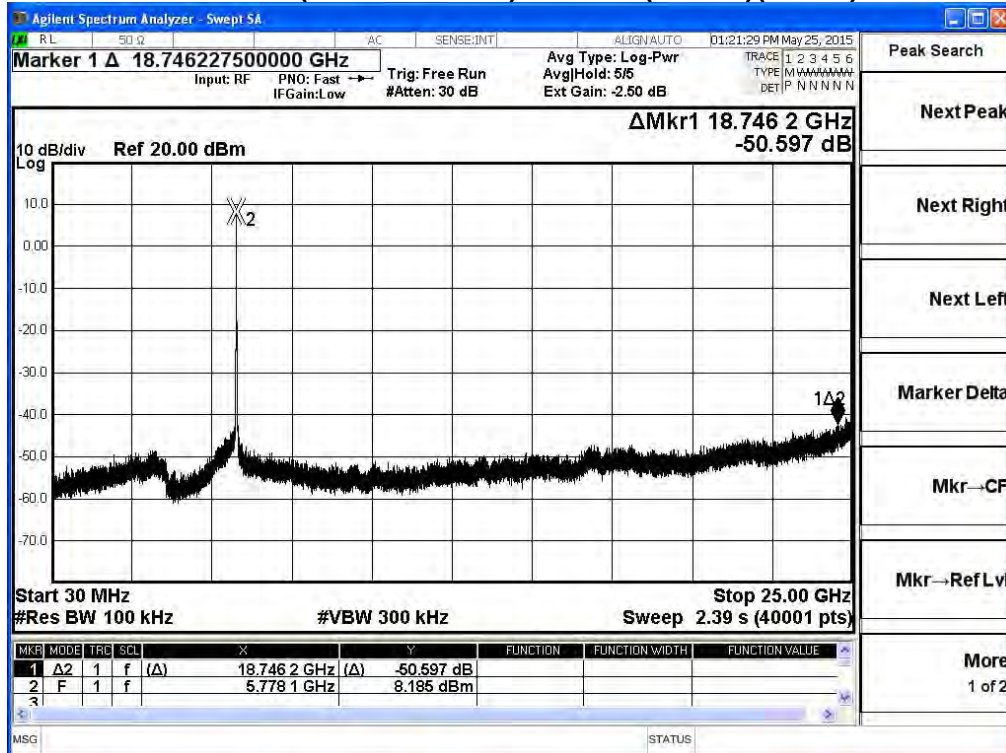




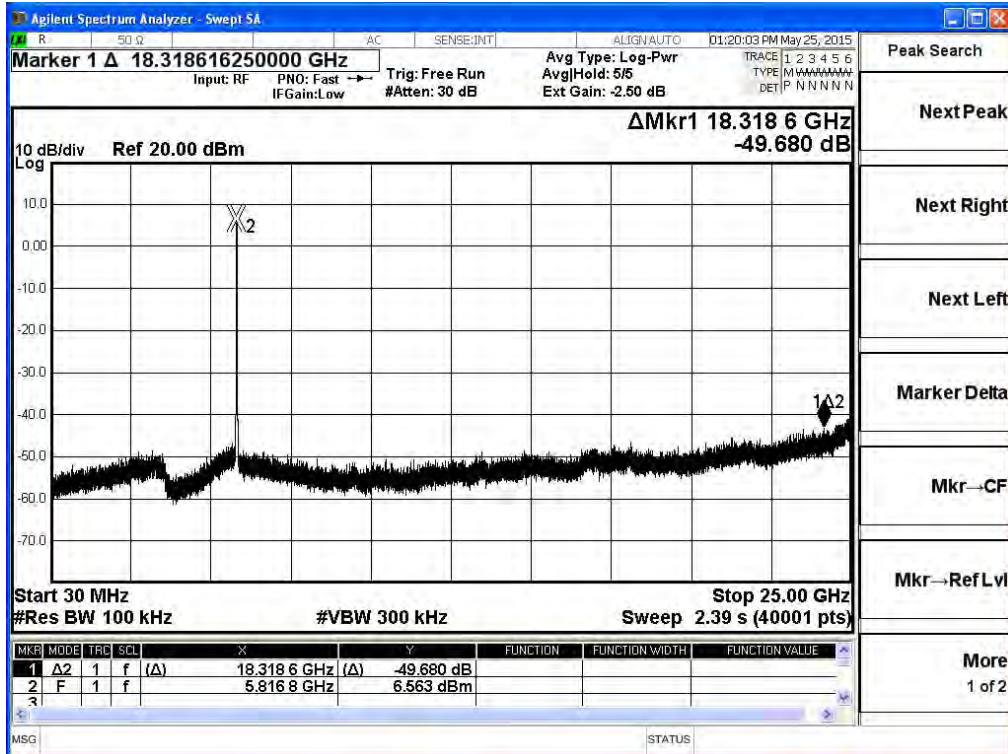
**5745MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 0)**



**5785MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 0)**

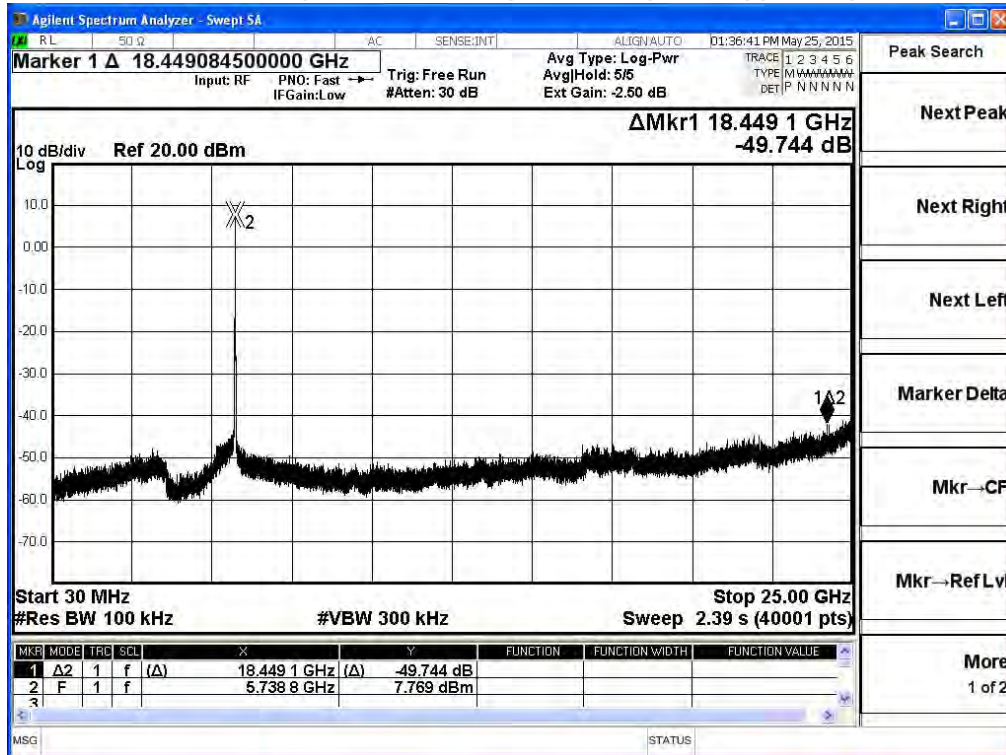


**5825MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 0)**

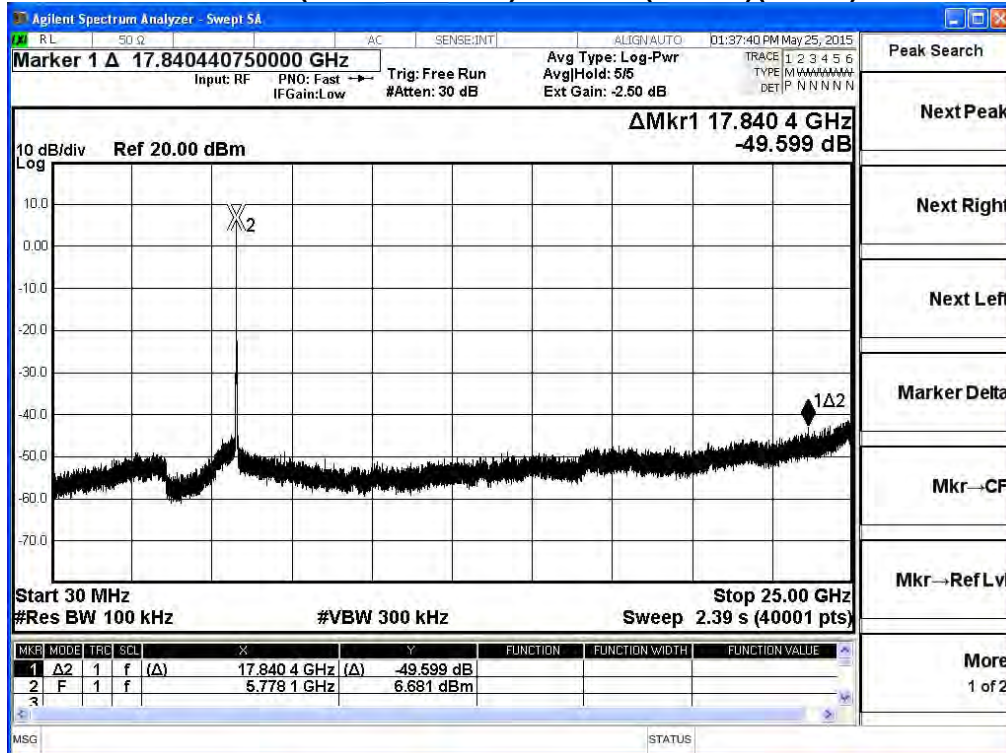




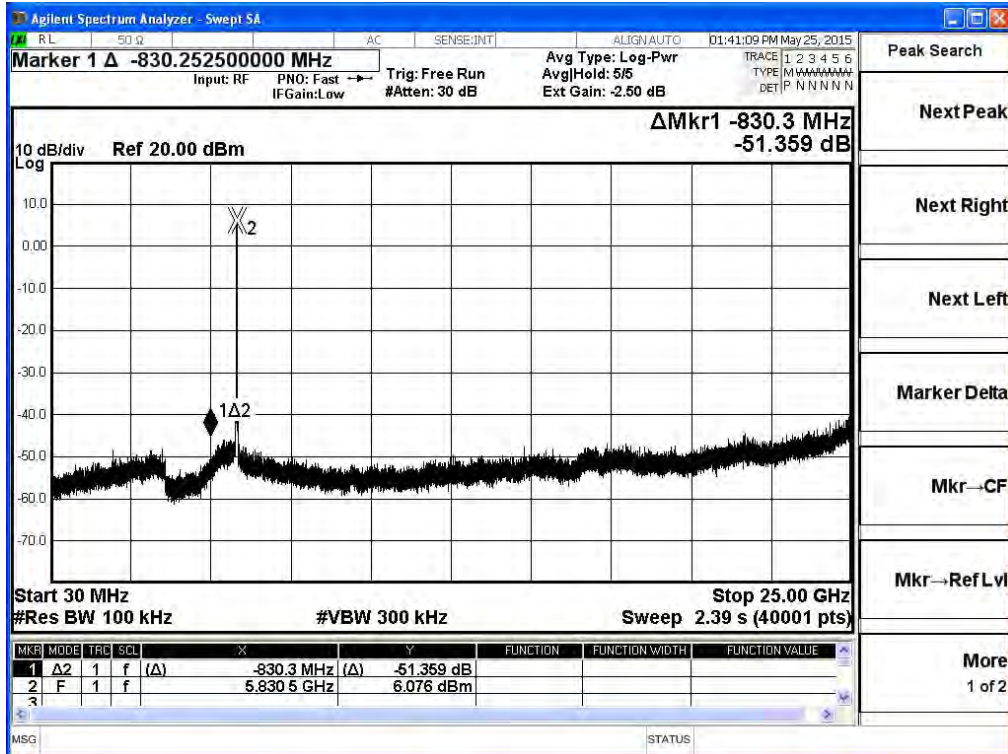
**5745MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 1)**



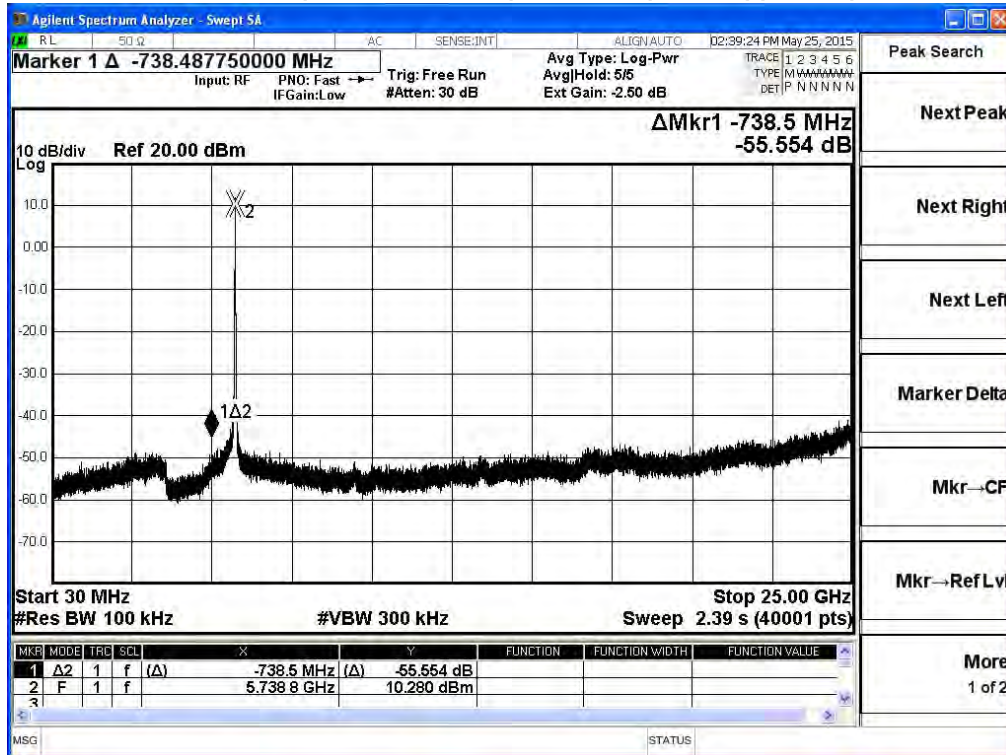
**5785MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 1)**



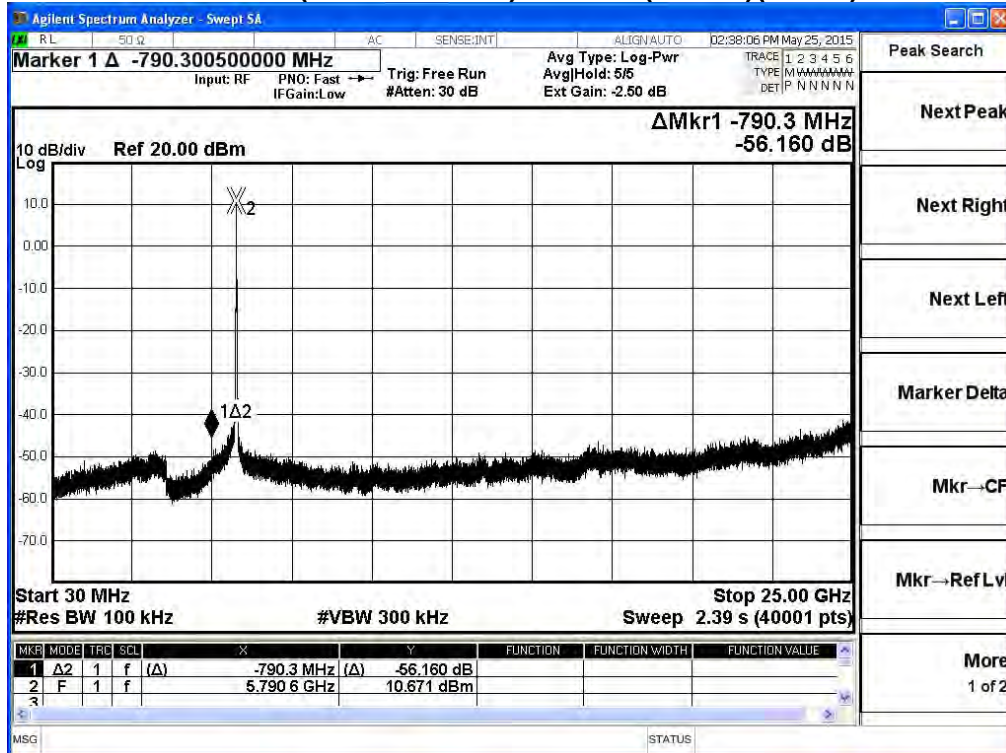
**5825MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 1)**



5745MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 2)

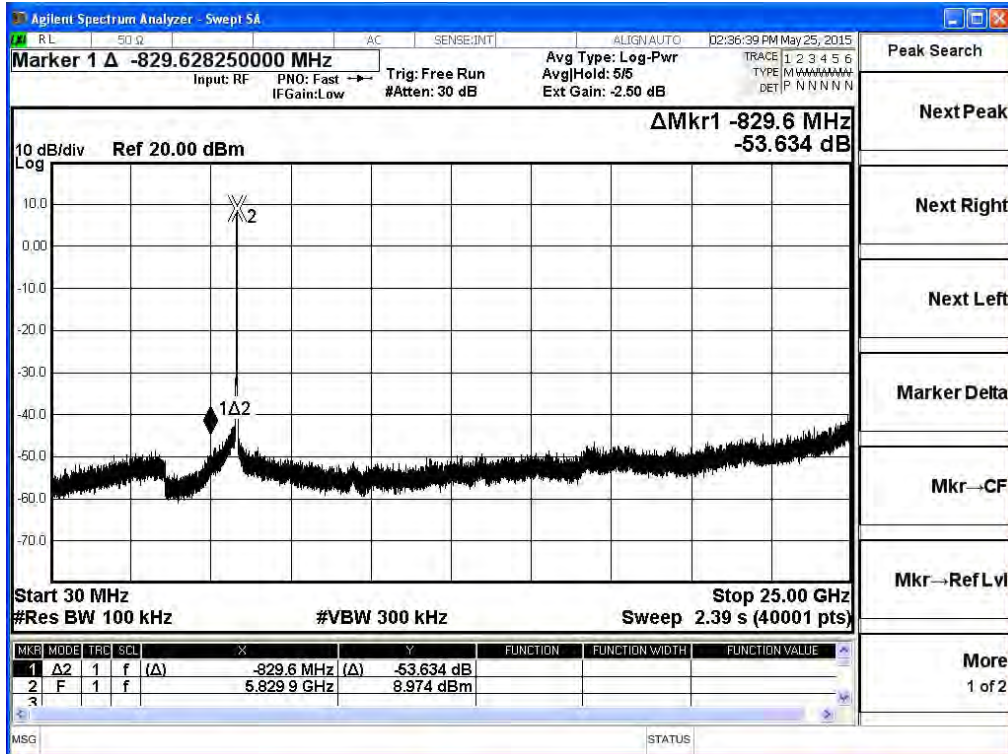


5785MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 2)

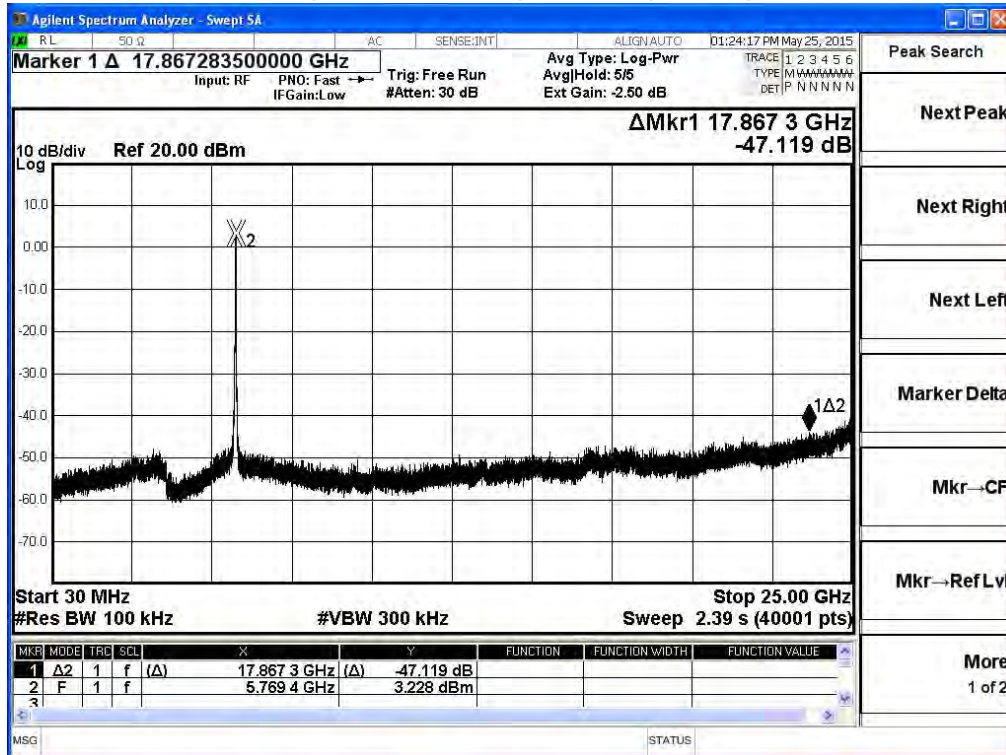




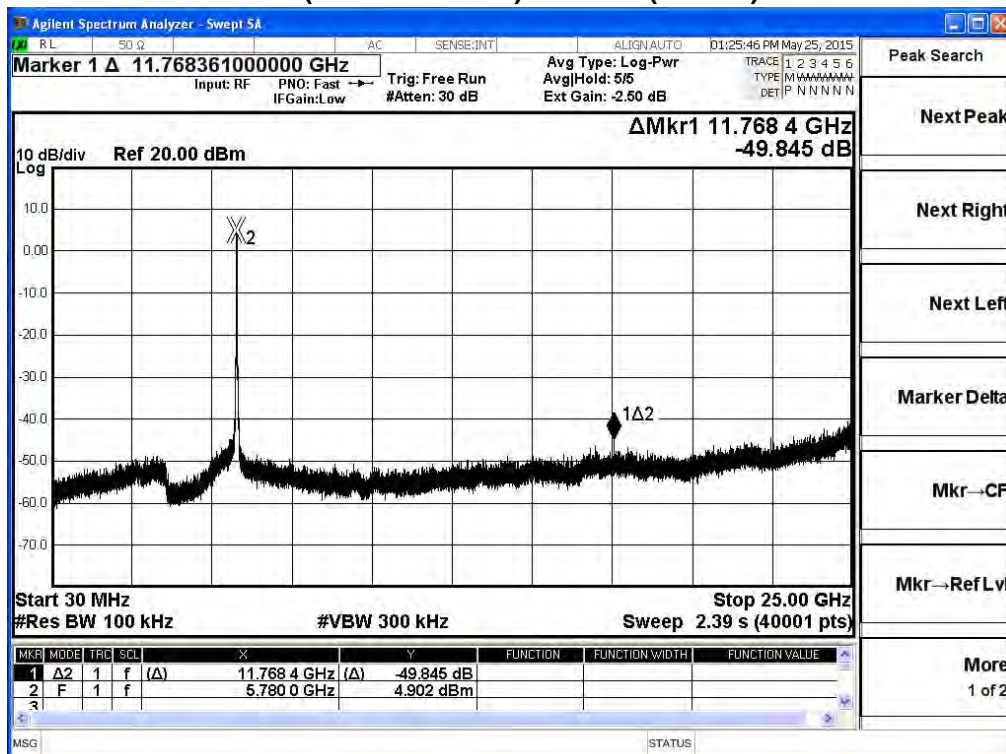
**5825MHz (30MHz~25GHz)- 802.11n(20MHz)(ANT 2)**



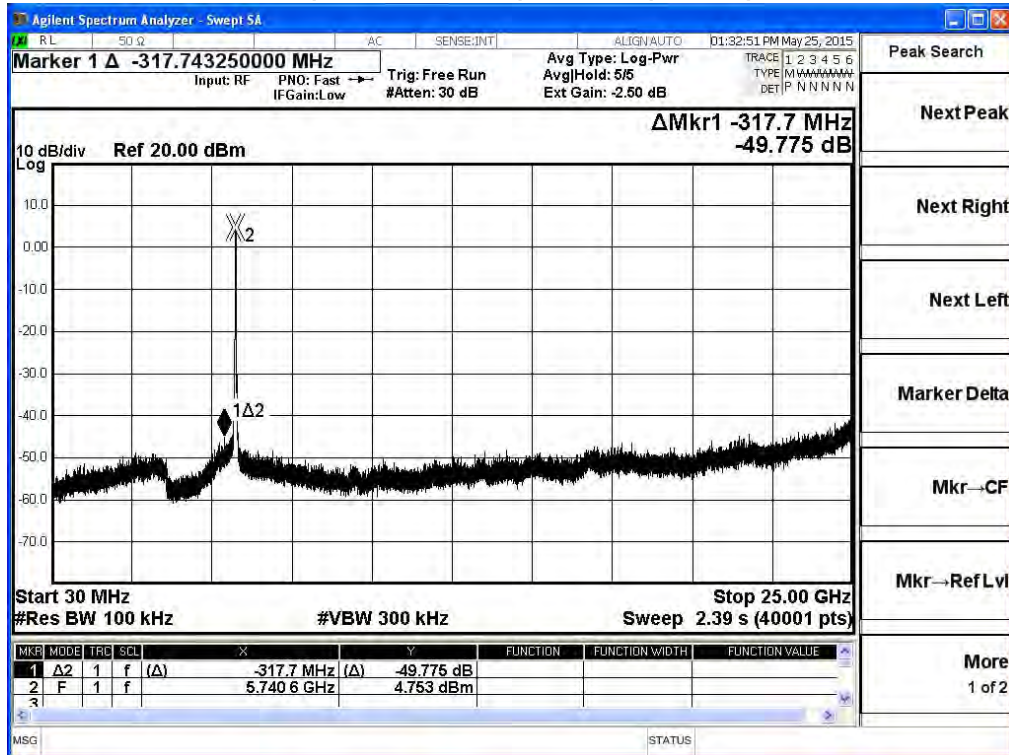
**5755MHz (30MHz~25GHz)-802.11n(40MHz)-ANT 0**



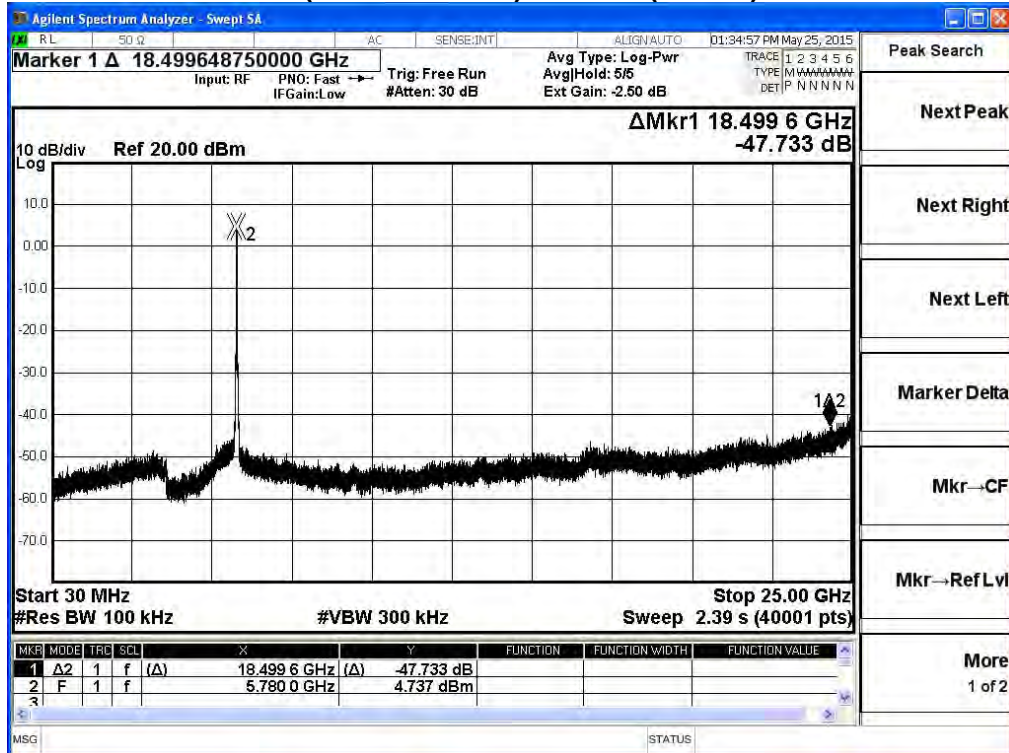
**5795MHz (30MHz~25GHz) -802.11n(40MHz)-ANT 0**



**5755MHz (30MHz~25GHz)-802.11n(40MHz)-ANT 1**

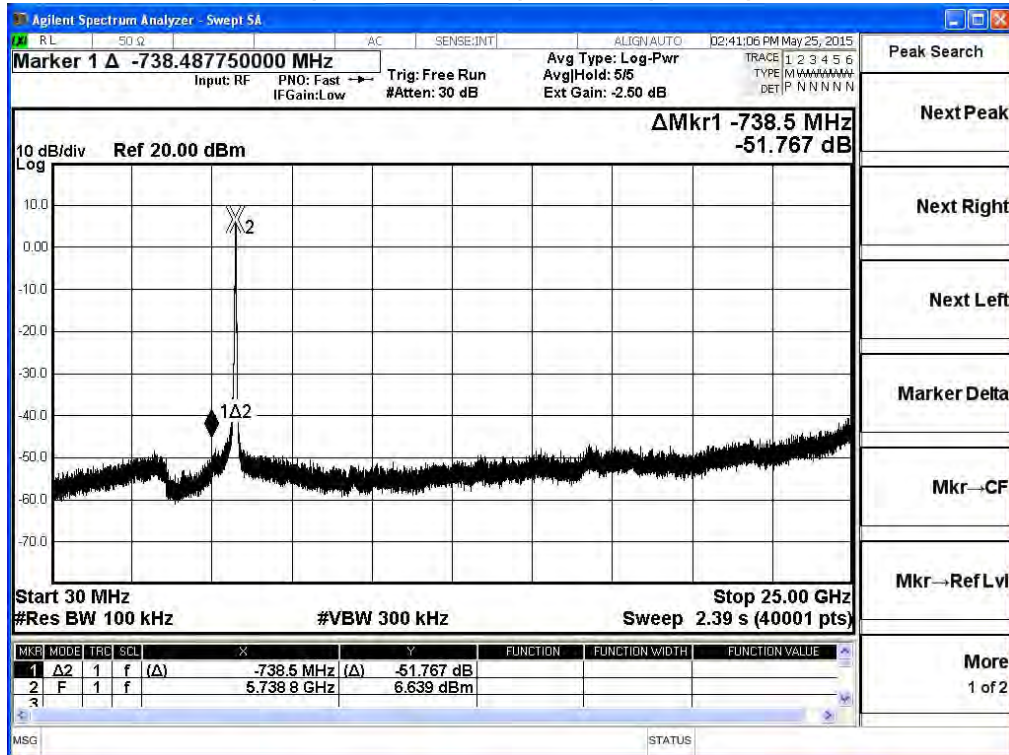


**5795MHz (30MHz~25GHz) -802.11n(40MHz)-ANT 1**

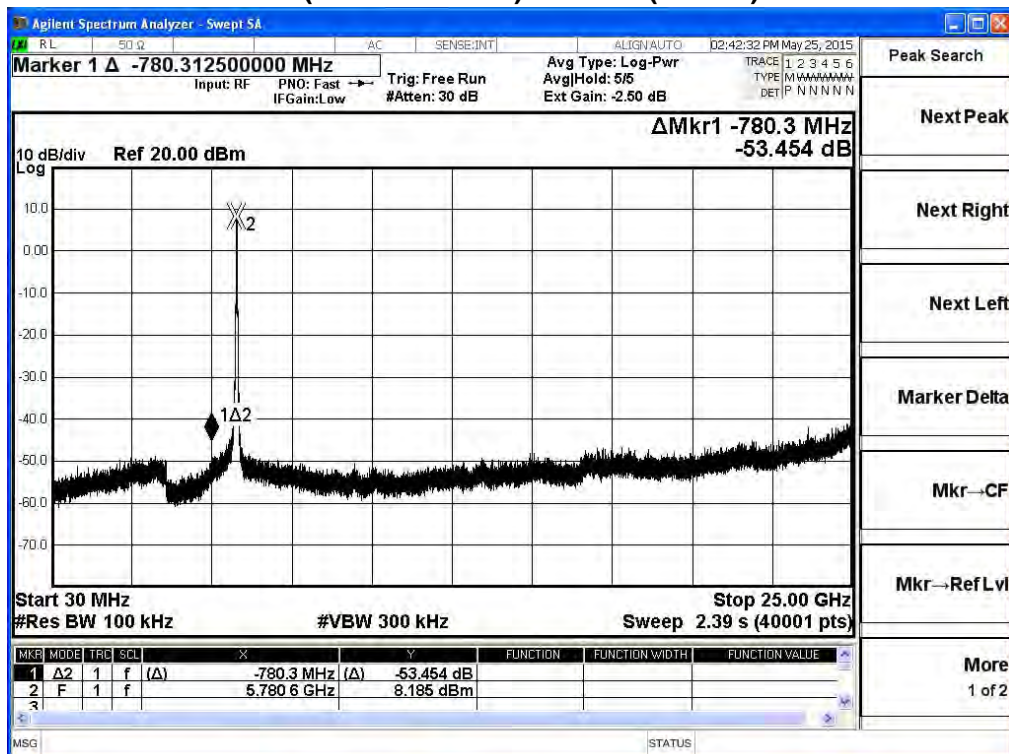




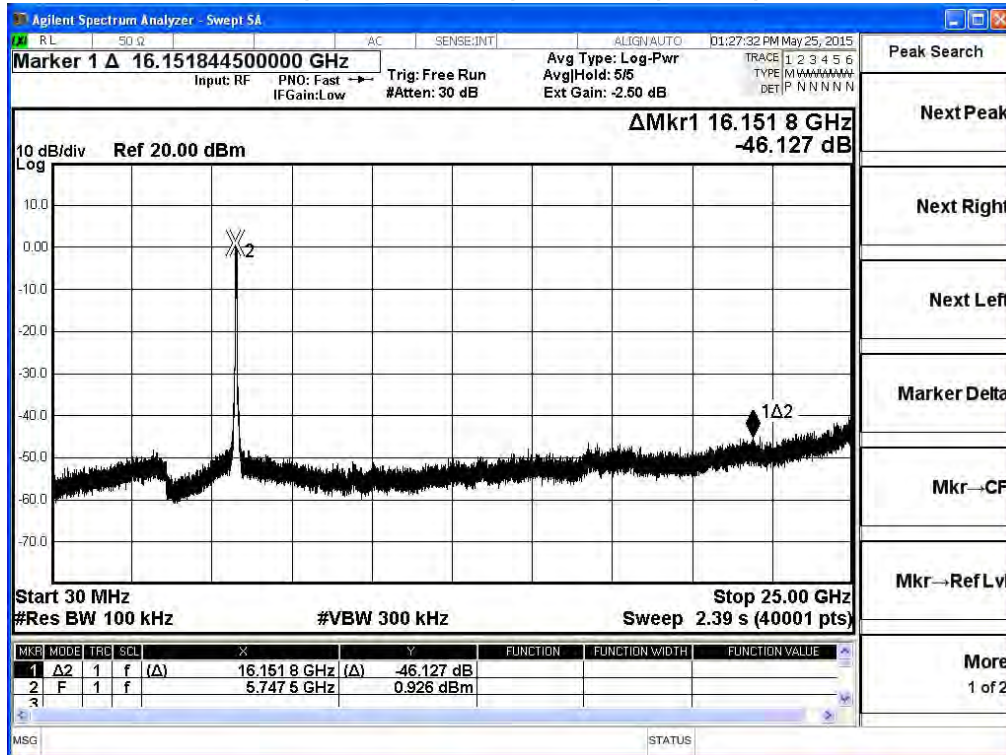
**5755MHz (30MHz~25GHz)-802.11n(40MHz)-ANT 2**



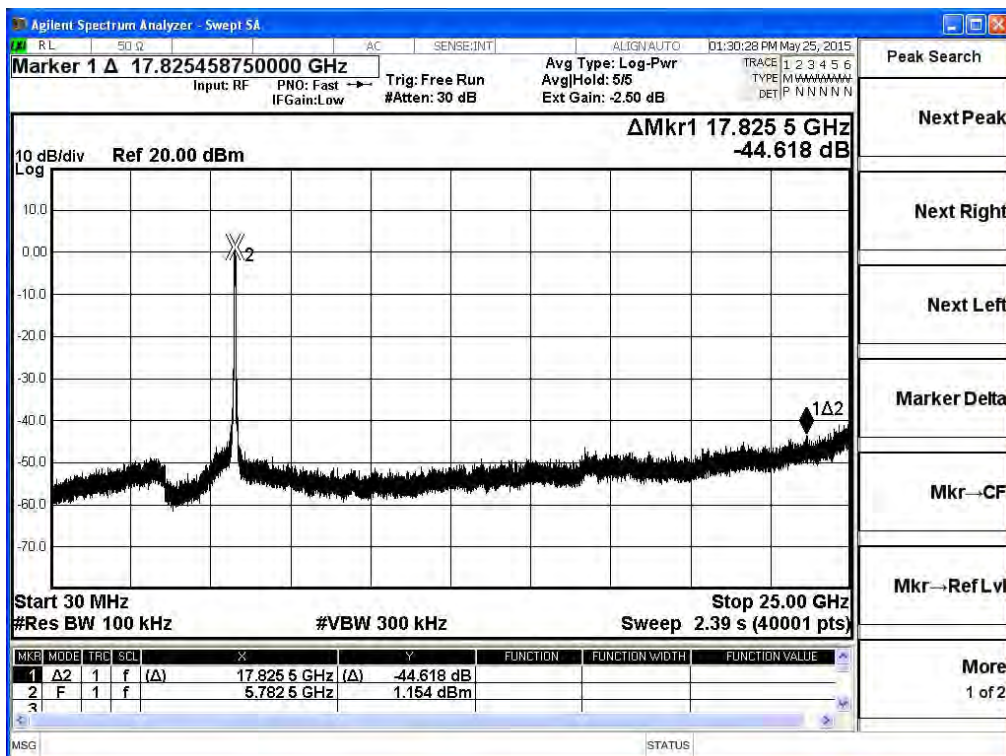
**5795MHz (30MHz~25GHz) -802.11n(40MHz)-ANT 2**



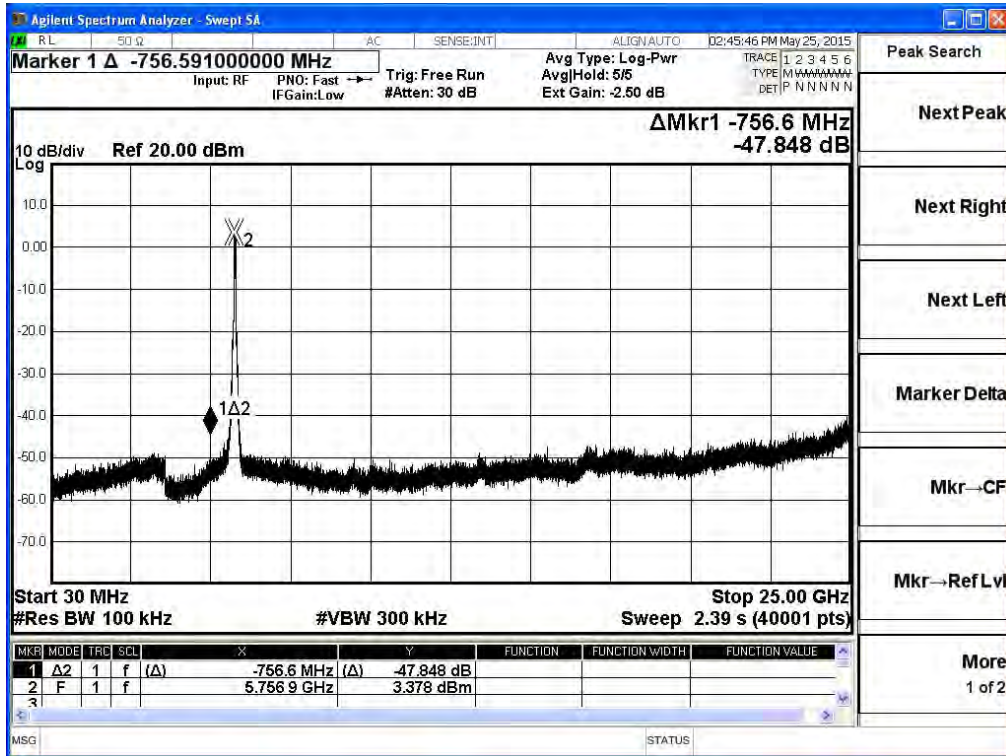
**5775MHz (30MHz~25GHz)-802.11ac(80MHz)-ANT 0**



**5775MHz (30MHz~25GHz) -802.11ac(80MHz)-ANT 1**



5775MHz (30MHz~25GHz) -802.11ac(80MHz)-ANT 2





## 6. Radiated Emission Band Edge

### 6.1. Test Equipment

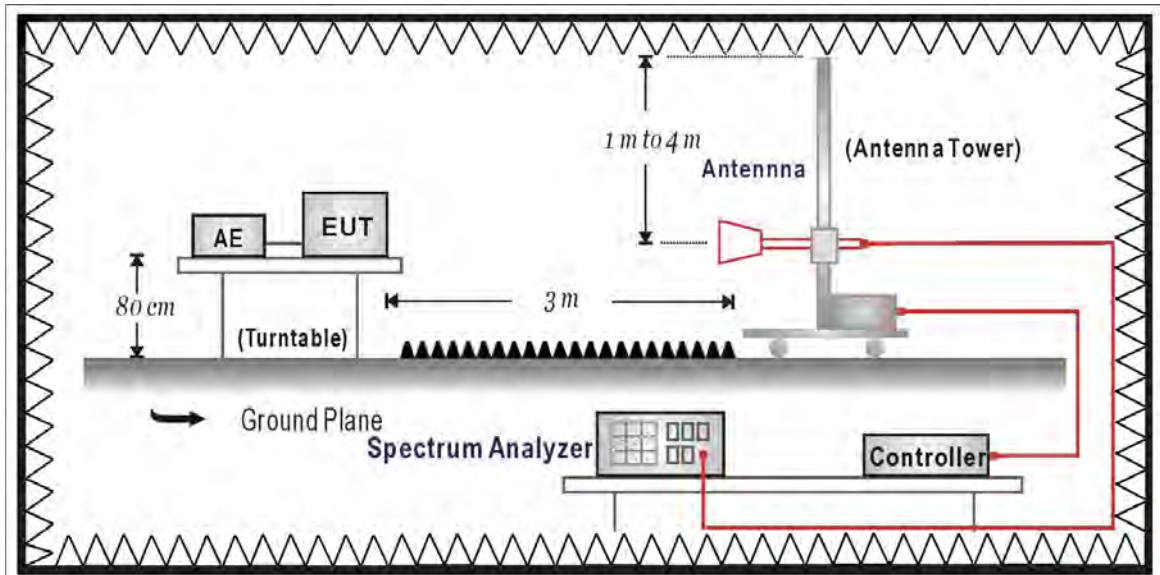
The following test equipments are used during the test:

#### Radiated Emission Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2016/01/26
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/01/07
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2016/01/26

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

### 6.2. Test Setup



### **6.3. Limits**

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

### **6.4. Test Procedure**

The EUT was setup according to ANSI C63.10: 2009 and tested according to DTS test procedure of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2009 on radiated measurement.

### **6.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2014

### **6.6. Uncertainty**

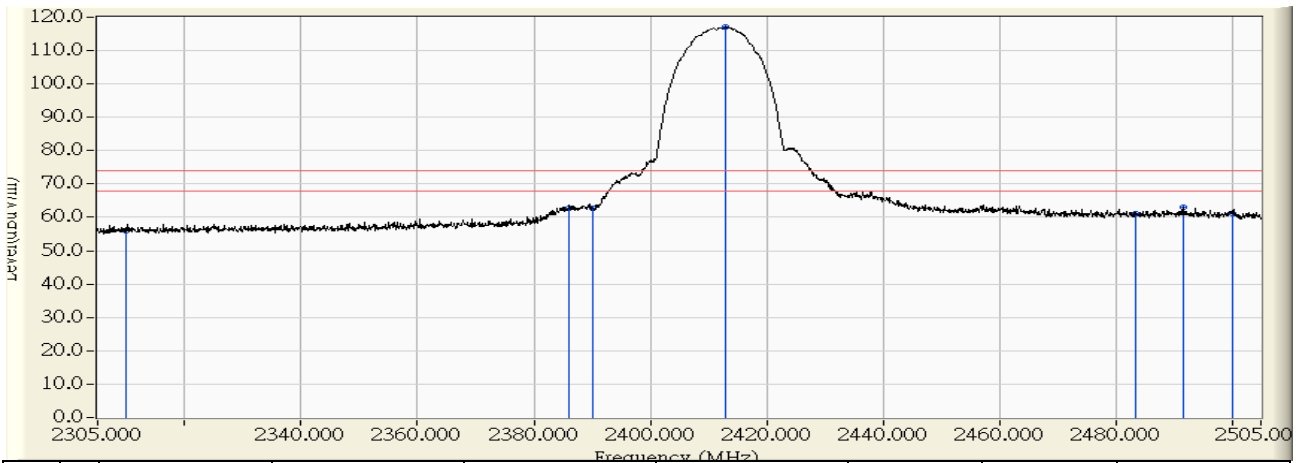
The measurement uncertainty

± 3.9 dB above 1GHz

### 6.7. Test Result

Radiated is defined as

Site : CB1	Time : 2015/05/21 - 16:21
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	Power : AC120V/60Hz
EUT : Dual-band Wireless Range Extender	Note : 802.11b 2412MHz



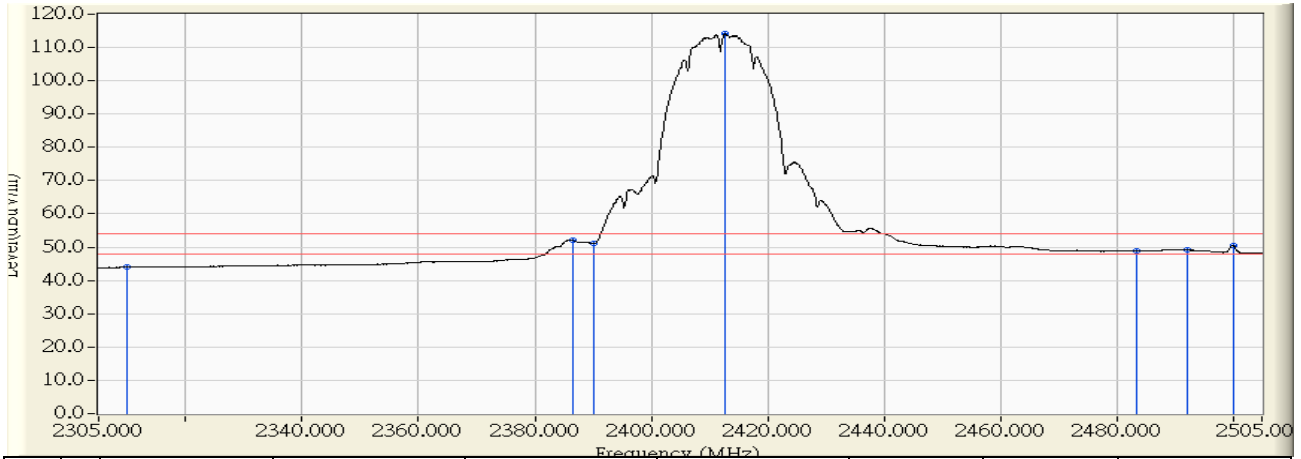
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.899	27.171	56.069	-17.931	74.000	PEAK
2	2385.959	29.724	32.988	62.712	-11.288	74.000	PEAK
3	2390.000	29.768	33.123	62.891	-11.109	74.000	PEAK
4	* 2412.946	30.017	86.972	116.990	42.990	74.000	PEAK
5	2483.500	30.738	30.532	61.271	-12.729	74.000	PEAK
6	2491.607	30.745	32.244	62.989	-11.011	74.000	PEAK
7	2500.000	30.740	30.263	61.002	-12.998	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



<b>Site : CB1</b>	<b>Time : 2015/05/21 - 16:20</b>
<b>Limit : FCC_SpartC_15.247_H_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11b 2412MHz</b>

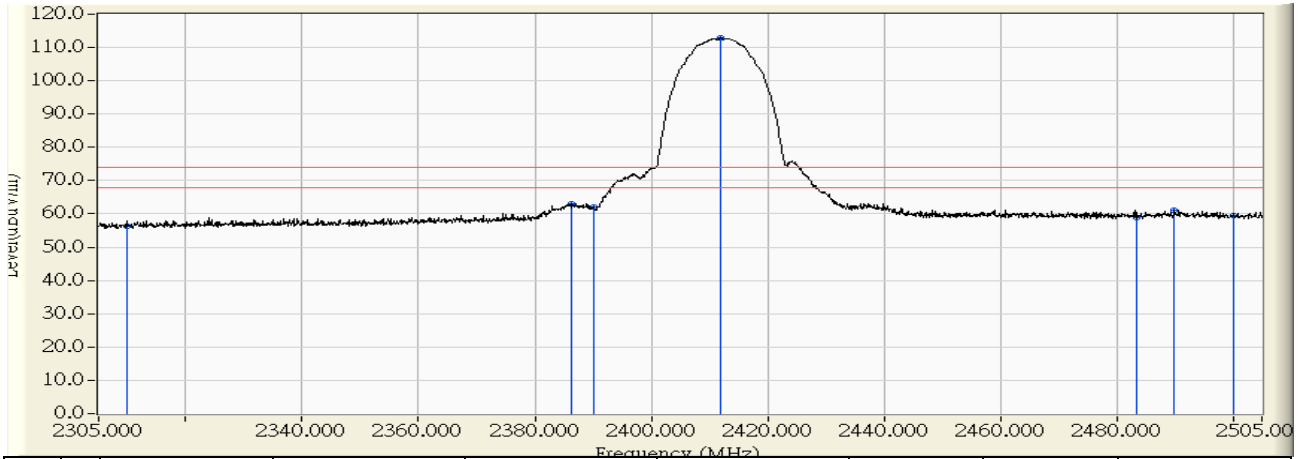


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.899	15.139	44.037	-9.963	54.000	AVERAGE
2	2386.459	29.730	22.386	52.116	-1.884	54.000	AVERAGE
3	2390.000	29.768	21.397	51.165	-2.835	54.000	AVERAGE
4	* 2412.746	30.016	84.035	114.050	60.050	54.000	AVERAGE
5	2483.500	30.738	18.100	48.839	-5.161	54.000	AVERAGE
6	2492.106	30.745	18.602	49.347	-4.653	54.000	AVERAGE
7	2500.000	30.740	19.738	50.477	-3.523	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 15:01</b>
<b>Limit : FCC_SpartC_15.247_H_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11b 2412MHz</b>

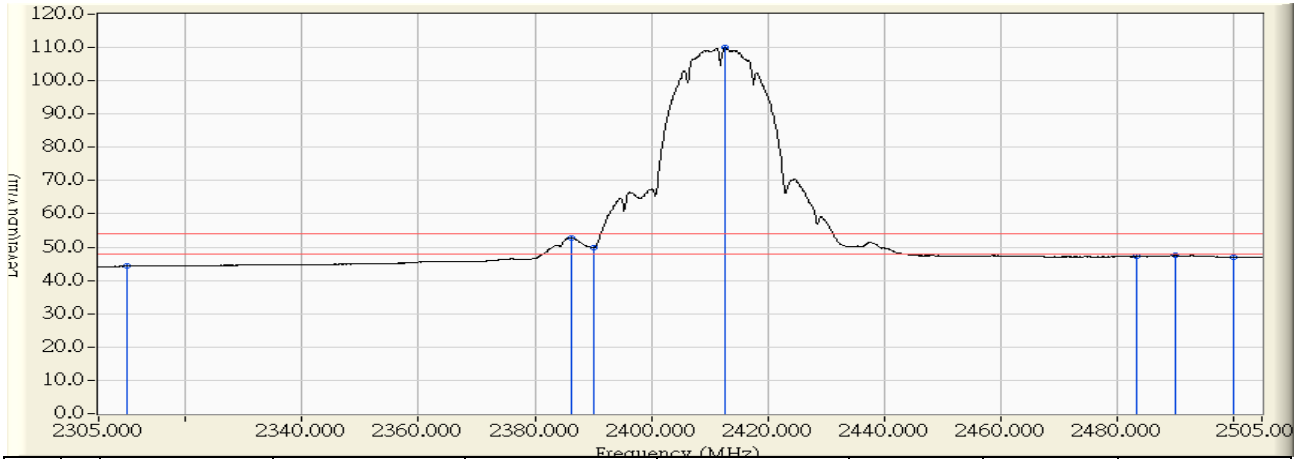


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.553	26.821	56.373	-17.627	74.000	PEAK
2	2386.259	30.534	32.365	62.899	-11.101	74.000	PEAK
3	2390.000	30.582	31.437	62.019	-11.981	74.000	PEAK
4	* 2412.046	30.866	81.948	112.814	38.814	74.000	PEAK
5	2483.500	31.739	27.121	58.861	-15.139	74.000	PEAK
6	2489.907	31.758	29.260	61.017	-12.983	74.000	PEAK
7	2500.000	31.774	27.597	59.370	-14.630	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 14:58</b>
<b>Limit : FCC_SpartC_15.247_H_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11b 2412MHz</b>



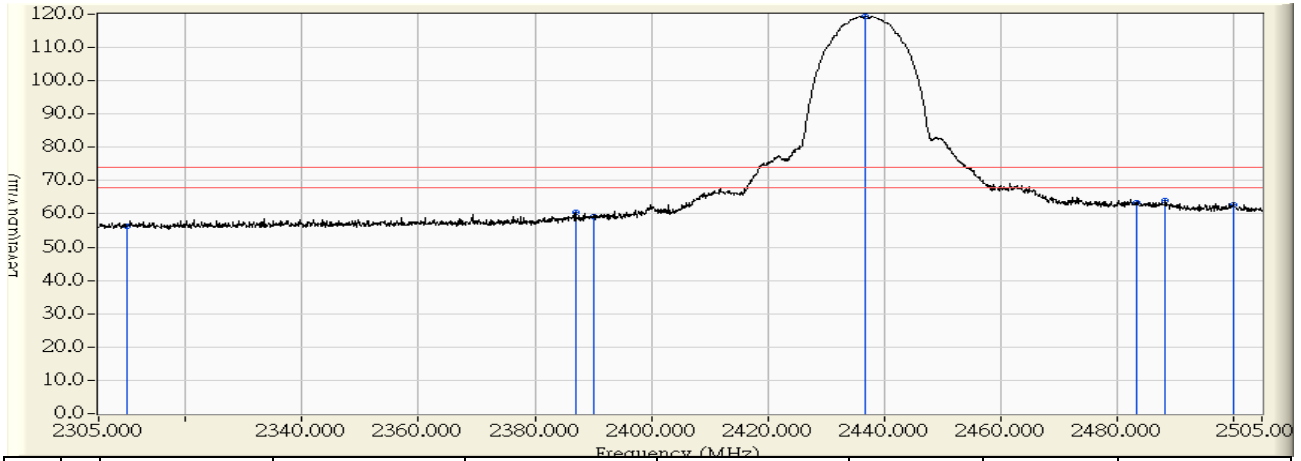
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.553	14.787	44.339	-9.661	54.000	AVERAGE
2	2386.259	30.534	22.178	52.712	-1.288	54.000	AVERAGE
3	2390.000	30.582	19.194	49.776	-4.224	54.000	AVERAGE
4	* 2412.746	30.875	79.049	109.924	55.924	54.000	AVERAGE
5	2483.500	31.739	15.476	47.216	-6.784	54.000	AVERAGE
6	2490.207	31.758	15.779	47.537	-6.463	54.000	AVERAGE
7	2500.000	31.774	15.337	47.110	-6.890	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



<b>Site : CB1</b>	<b>Time : 2015/05/21 - 16:36</b>
<b>Limit : FCC_SpartC_15.247_H_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11b 2437MHz</b>

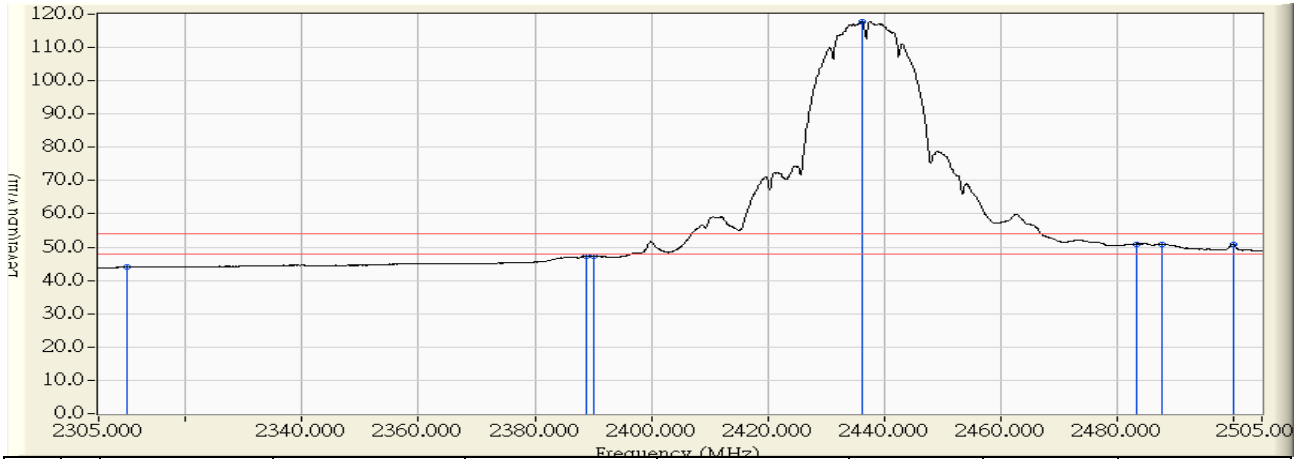


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.899	27.292	56.190	-17.810	74.000	PEAK
2	2386.959	29.735	30.736	60.471	-13.529	74.000	PEAK
3	2390.000	29.768	29.455	59.223	-14.777	74.000	PEAK
4	* 2436.834	30.277	89.169	119.446	45.446	74.000	PEAK
5	2483.500	30.738	32.726	63.465	-10.535	74.000	PEAK
6	2488.408	30.743	33.137	63.880	-10.120	74.000	PEAK
7	2500.000	30.740	31.869	62.608	-11.392	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 16:31</b>
<b>Limit : FCC_SpartC_15.247_H_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11b 2437MHz</b>

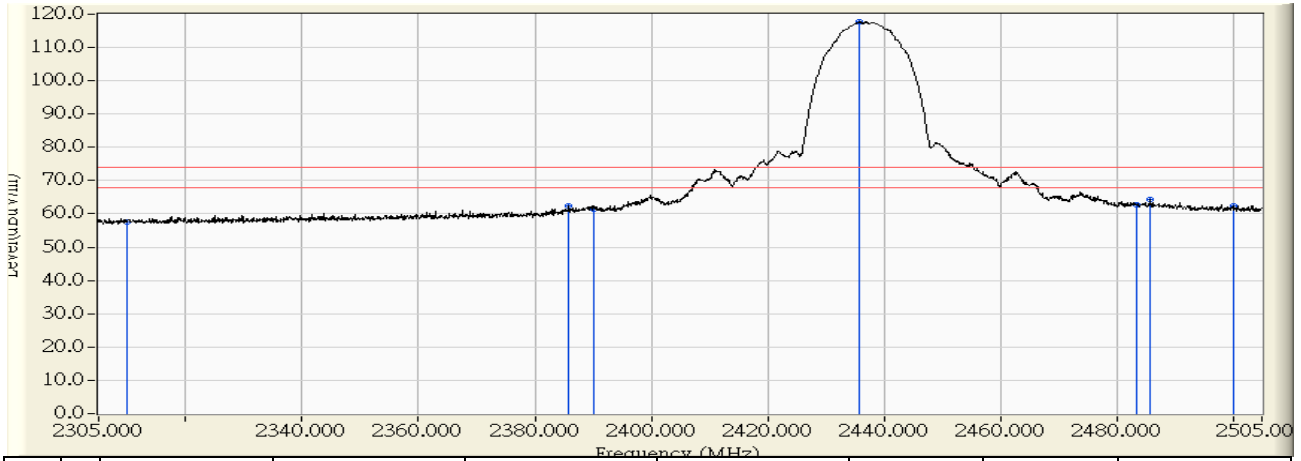


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.899	15.186	44.084	-9.916	54.000	AVERAGE
2	2388.758	29.755	17.548	47.303	-6.697	54.000	AVERAGE
3	2390.000	29.768	17.544	47.312	-6.688	54.000	AVERAGE
4	* 2436.234	30.270	87.632	117.903	63.903	54.000	AVERAGE
5	2483.500	30.738	20.197	50.936	-3.064	54.000	AVERAGE
6	2487.908	30.742	20.171	50.913	-3.087	54.000	AVERAGE
7	2500.000	30.740	20.173	50.912	-3.088	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 15:14</b>
<b>Limit : FCC_SpartC_15.247_H_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11b 2437MHz</b>



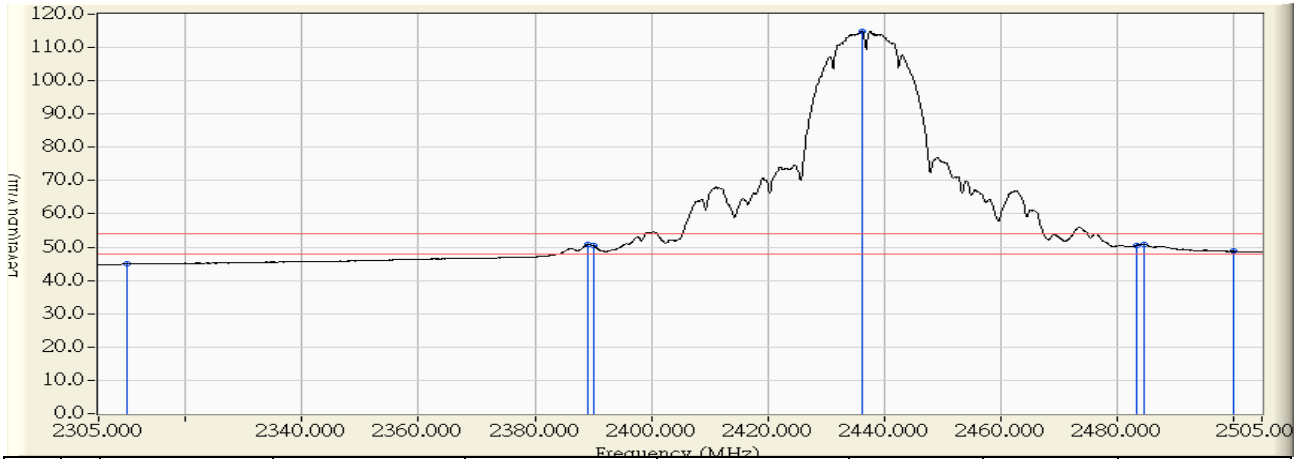
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.553	27.945	57.497	-16.503	74.000	PEAK
2	2385.760	30.527	32.017	62.545	-11.455	74.000	PEAK
3	2390.000	30.582	30.864	61.446	-12.554	74.000	PEAK
4	* 2435.835	31.172	86.442	117.614	43.614	74.000	PEAK
5	2483.500	31.739	31.075	62.815	-11.185	74.000	PEAK
6	2485.810	31.746	32.668	64.414	-9.586	74.000	PEAK
7	2500.000	31.774	30.582	62.355	-11.645	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



<b>Site : CB1</b>	<b>Time : 2015/05/21 - 15:12</b>
<b>Limit : FCC_SpartC_15.247_H_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11b 2437MHz</b>

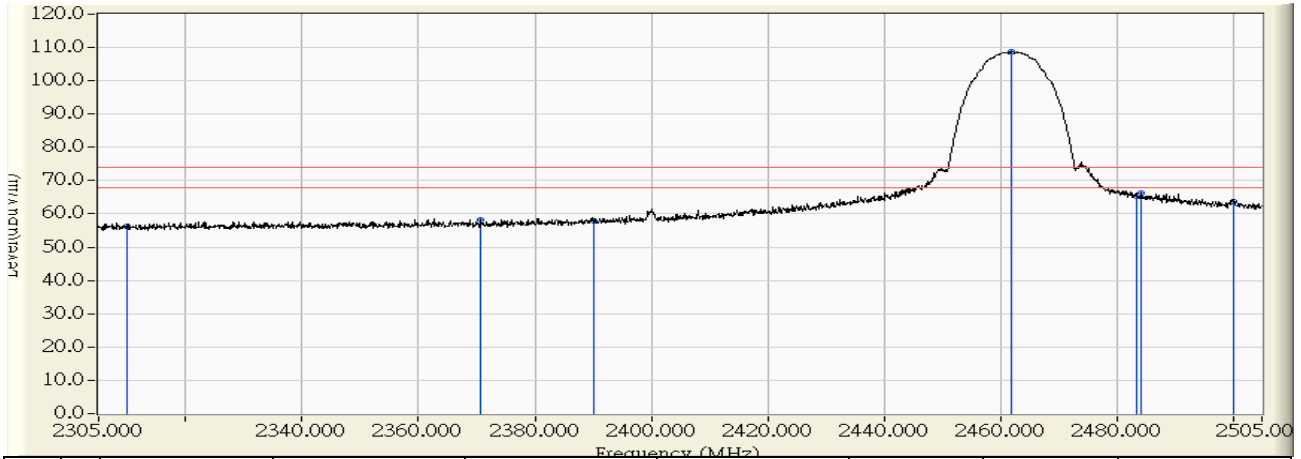


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.553	15.379	44.931	-9.069	54.000	AVERAGE
2	2389.158	30.571	20.285	50.856	-3.144	54.000	AVERAGE
3	2390.000	30.582	19.857	50.439	-3.561	54.000	AVERAGE
4	* 2436.234	31.177	83.669	114.846	60.846	54.000	AVERAGE
5	2483.500	31.739	18.862	50.602	-3.398	54.000	AVERAGE
6	2484.710	31.743	19.119	50.862	-3.138	54.000	AVERAGE
7	2500.000	31.774	17.006	48.779	-5.221	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2015/05/21 - 16:06
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	Power : AC120V/60Hz
EUT : Dual-band Wireless Range Extender	Note : 802.11b 2462MHz

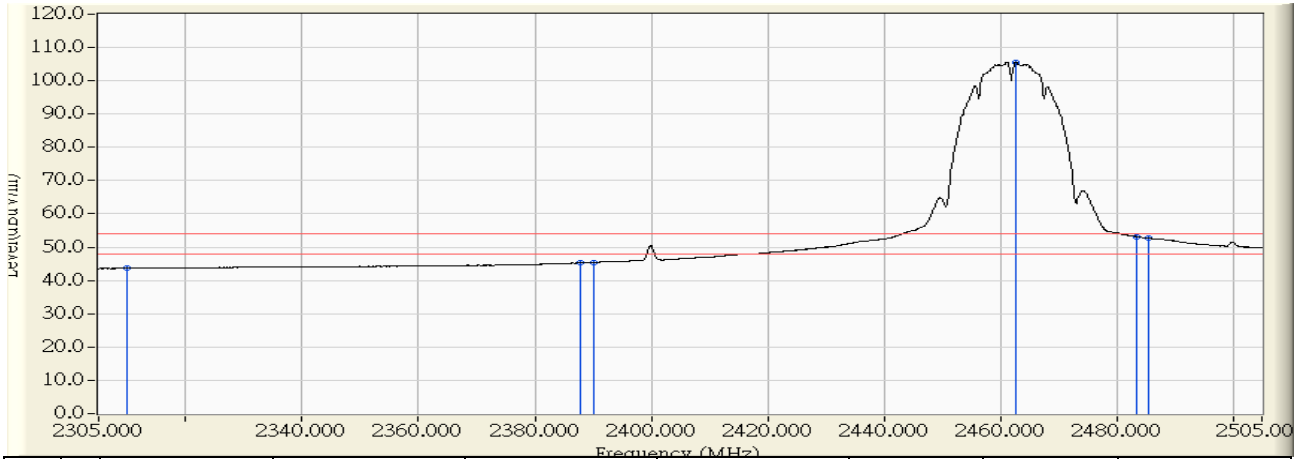


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.899	27.537	56.435	-17.565	74.000	PEAK
2	2370.667	29.558	28.805	58.363	-15.637	74.000	PEAK
3	2390.000	29.768	28.058	57.826	-16.174	74.000	PEAK
4	* 2461.921	30.550	78.285	108.835	34.835	74.000	PEAK
5	2483.500	30.738	34.624	65.363	-8.637	74.000	PEAK
6	2484.310	30.740	35.554	66.294	-7.706	74.000	PEAK
7	2500.000	30.740	33.091	63.830	-10.170	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 16:05</b>
<b>Limit : FCC_SpartC_15.247_H_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11b 2462MHz</b>



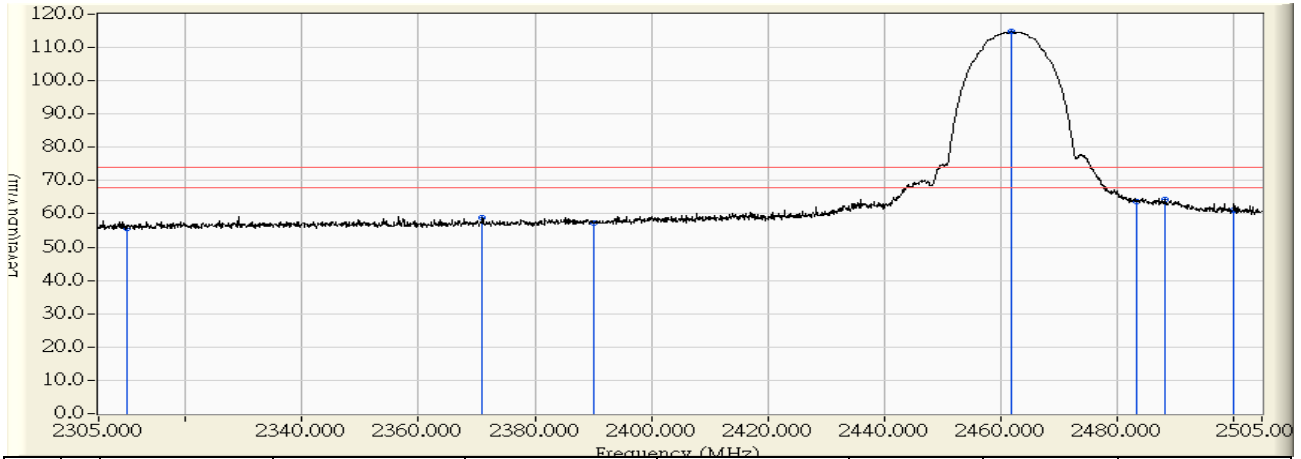
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.899	14.725	43.623	-10.377	54.000	AVERAGE
2	2387.759	29.744	15.540	45.284	-8.716	54.000	AVERAGE
3	2390.000	29.768	15.665	45.433	-8.567	54.000	AVERAGE
4	* 2462.721	30.558	75.013	105.572	51.572	54.000	AVERAGE
5	2483.500	30.738	22.170	52.909	-1.091	54.000	AVERAGE
6	2485.410	30.741	22.066	52.806	-1.194	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



<b>Site : CB1</b>	<b>Time : 2015/05/21 - 15:38</b>
<b>Limit : FCC_SpartC_15.247_H_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11b 2462MHz</b>

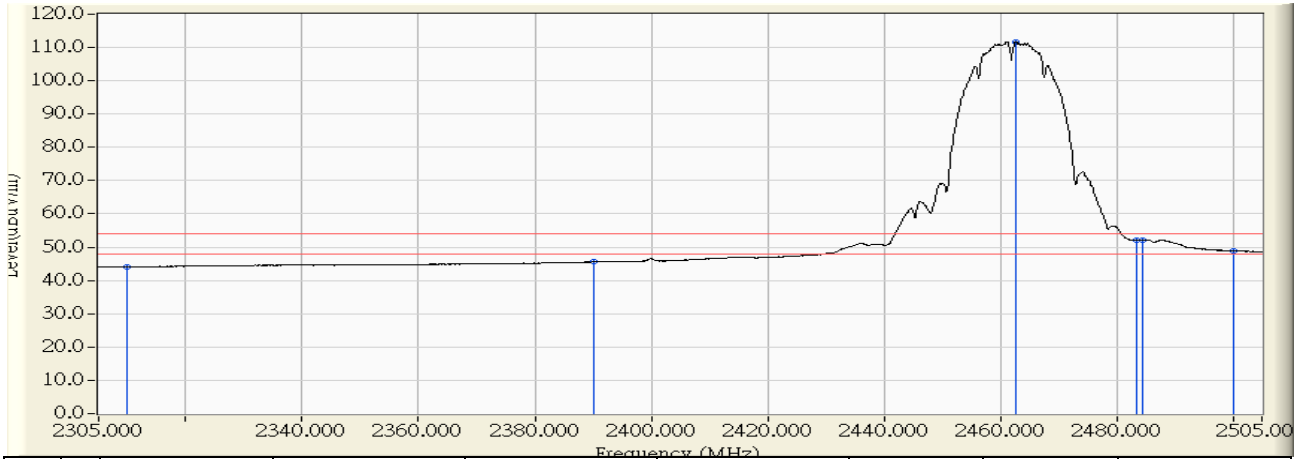


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.553	26.240	55.792	-18.208	74.000	PEAK
2	2370.967	30.337	28.448	58.785	-15.215	74.000	PEAK
3	2390.000	30.582	26.656	57.238	-16.762	74.000	PEAK
4	* 2462.021	31.510	83.218	114.727	40.727	74.000	PEAK
5	2483.500	31.739	32.072	63.812	-10.188	74.000	PEAK
6	2488.208	31.753	32.592	64.345	-9.655	74.000	PEAK
7	2500.000	31.774	29.327	61.100	-12.900	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 15:37</b>
<b>Limit : FCC_SpartC_15.247_H_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11b 2462MHz</b>

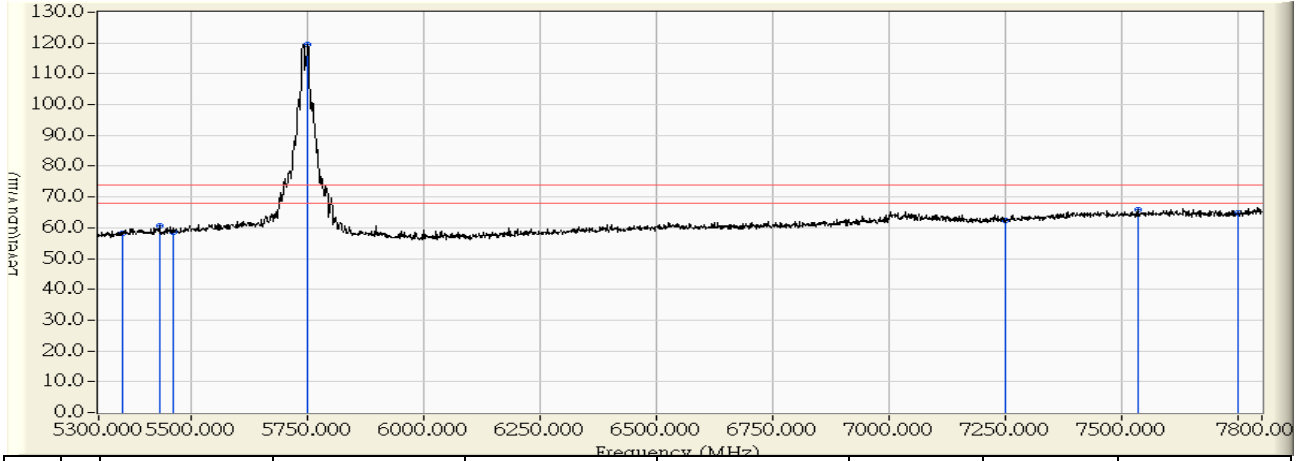


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.553	14.545	44.097	-9.903	54.000	AVERAGE
2	2390.000	30.582	15.011	45.593	-8.407	54.000	AVERAGE
3	* 2462.721	31.518	80.276	111.794	57.794	54.000	AVERAGE
4	2483.500	31.739	20.325	52.065	-1.935	54.000	AVERAGE
5	2484.510	31.743	20.397	52.140	-1.860	54.000	AVERAGE
6	2500.000	31.774	17.184	48.957	-5.043	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2015/05/19 - 14:27
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	Power : AC120V/60Hz
EUT : Dual-band Wireless Range Extender	Note : 802.11a 5745MHz

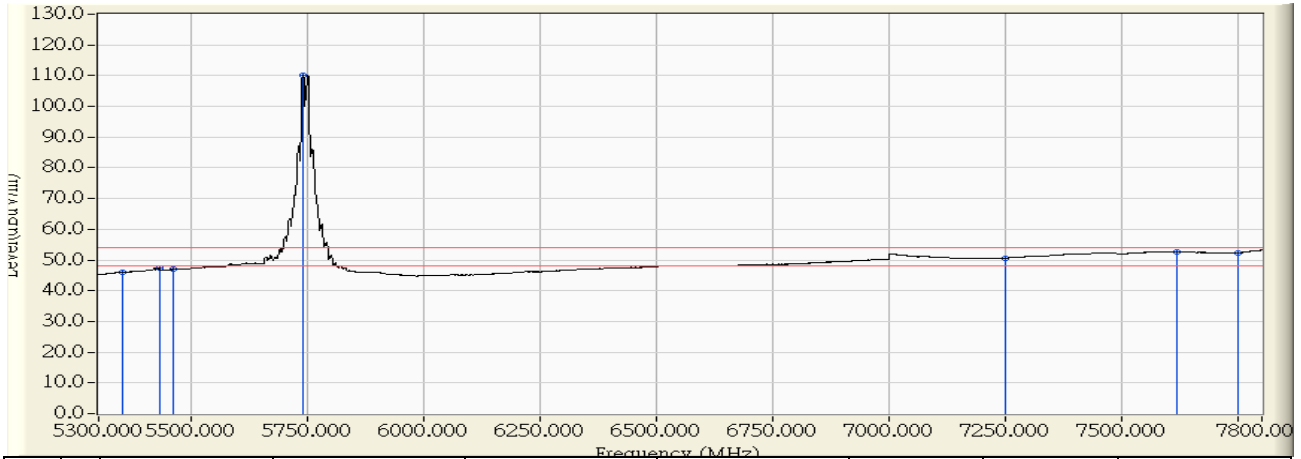


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	56.022	58.047	-15.953	74.000	PEAK
2	5429.935	2.725	58.057	60.782	-13.218	74.000	PEAK
3	5460.000	2.989	55.585	58.573	-15.427	74.000	PEAK
4	* 5749.775	2.427	117.183	119.609	45.609	74.000	PEAK
5	7250.000	7.013	55.283	62.295	-11.705	74.000	PEAK
6	7535.132	7.606	58.242	65.848	-8.152	74.000	PEAK
7	7750.000	7.975	56.739	64.715	-9.285	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/19 - 14:29</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11a 5745MHz</b>

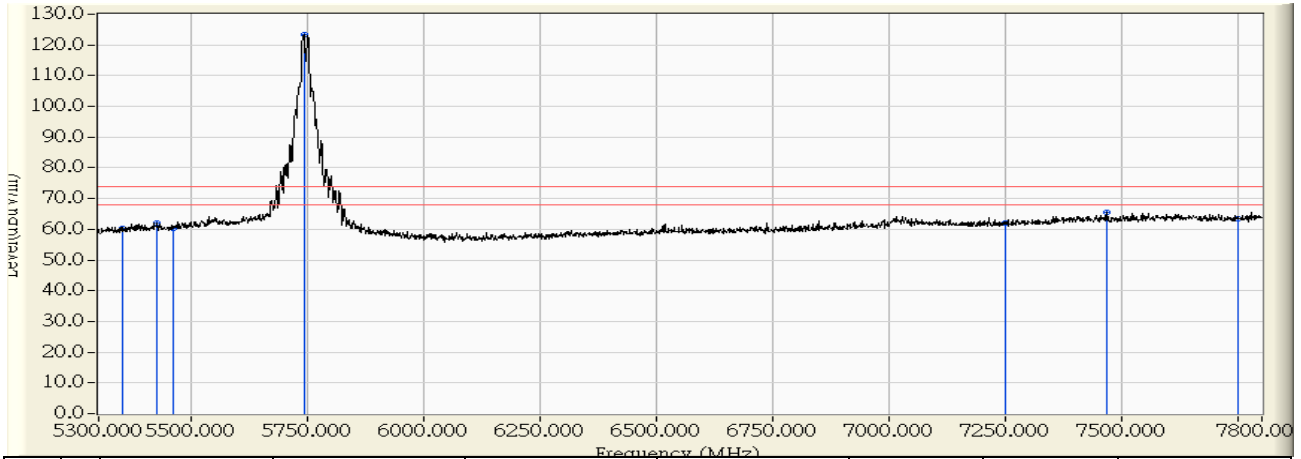


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	44.027	46.052	-7.948	54.000	AVERAGE
2	5429.935	2.725	44.837	47.562	-6.438	54.000	AVERAGE
3	5460.000	2.989	43.930	46.918	-7.082	54.000	AVERAGE
4	* 5739.780	2.455	107.714	110.169	56.169	54.000	AVERAGE
5	7250.000	7.013	43.651	50.663	-3.337	54.000	AVERAGE
6	7616.342	7.746	44.894	52.640	-1.360	54.000	AVERAGE
7	7750.000	7.975	44.370	52.346	-1.654	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/19 - 14:17</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11a 5745MHz</b>



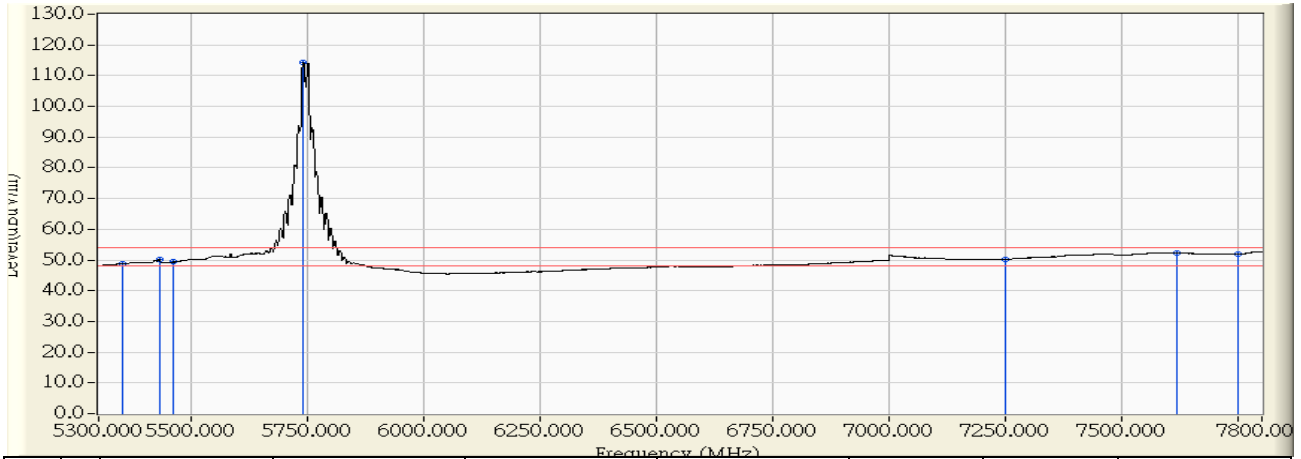
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	58.012	60.354	-13.646	74.000	PEAK
2	5426.187	2.970	59.139	62.109	-11.891	74.000	PEAK
3	5460.000	3.250	57.035	60.285	-13.715	74.000	PEAK
4	* 5741.029	2.573	120.671	123.243	49.243	74.000	PEAK
5	7250.000	6.513	55.424	61.936	-12.064	74.000	PEAK
6	7466.417	6.980	58.370	65.350	-8.650	74.000	PEAK
7	7750.000	7.475	55.946	63.422	-10.578	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



<b>Site : CB1</b>	<b>Time : 2015/05/19 - 14:12</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11a 5745MHz</b>

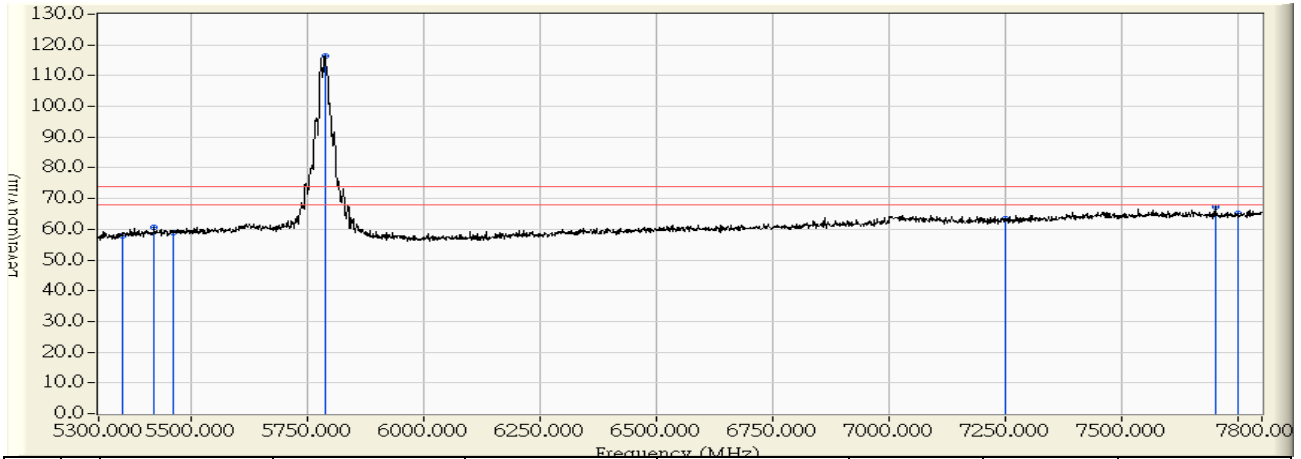


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	46.545	48.887	-5.113	54.000	AVERAGE
2	5429.935	3.002	47.160	50.161	-3.839	54.000	AVERAGE
3	5460.000	3.250	46.087	49.337	-4.663	54.000	AVERAGE
4	* 5739.780	2.576	111.594	114.171	60.171	54.000	AVERAGE
5	7250.000	6.513	43.707	50.219	-3.781	54.000	AVERAGE
6	7616.342	7.246	44.962	52.208	-1.792	54.000	AVERAGE
7	7750.000	7.475	44.465	51.941	-2.059	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2015/05/21 - 10:53
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	Power : AC120V/60Hz
EUT : Dual-band Wireless Range Extender	Note : 802.11a 5785MHz

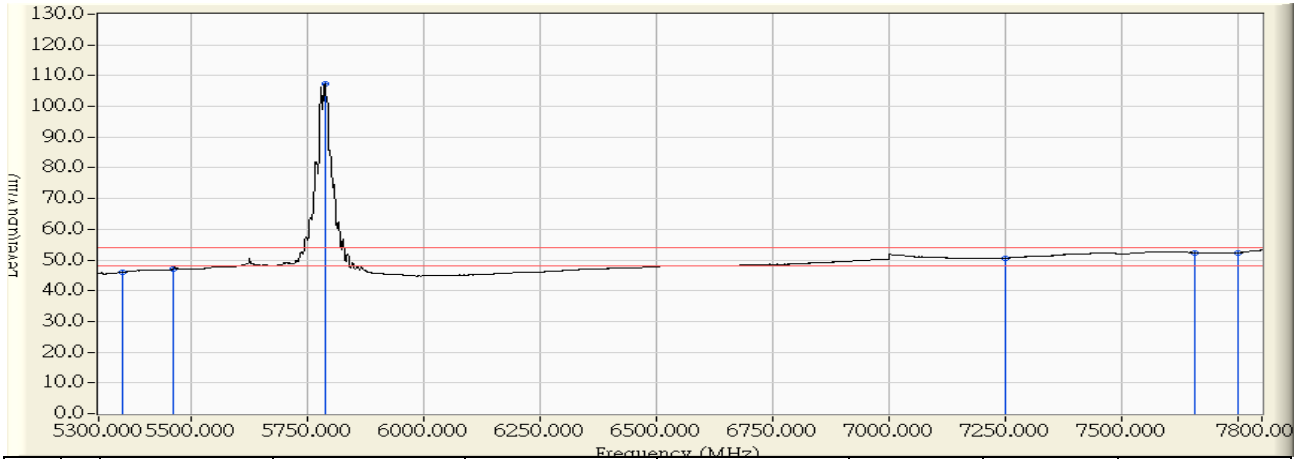


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	55.696	57.721	-16.279	74.000	PEAK
2	5418.690	2.627	57.849	60.475	-13.525	74.000	PEAK
3	5460.000	2.989	55.994	58.982	-15.018	74.000	PEAK
4	* 5786.007	2.323	114.094	116.417	42.417	74.000	PEAK
5	7250.000	7.013	56.247	63.259	-10.741	74.000	PEAK
6	7700.050	7.889	59.473	67.363	-6.637	74.000	PEAK
7	7750.000	7.975	57.033	65.009	-8.991	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 10:51</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11a 5785MHz</b>

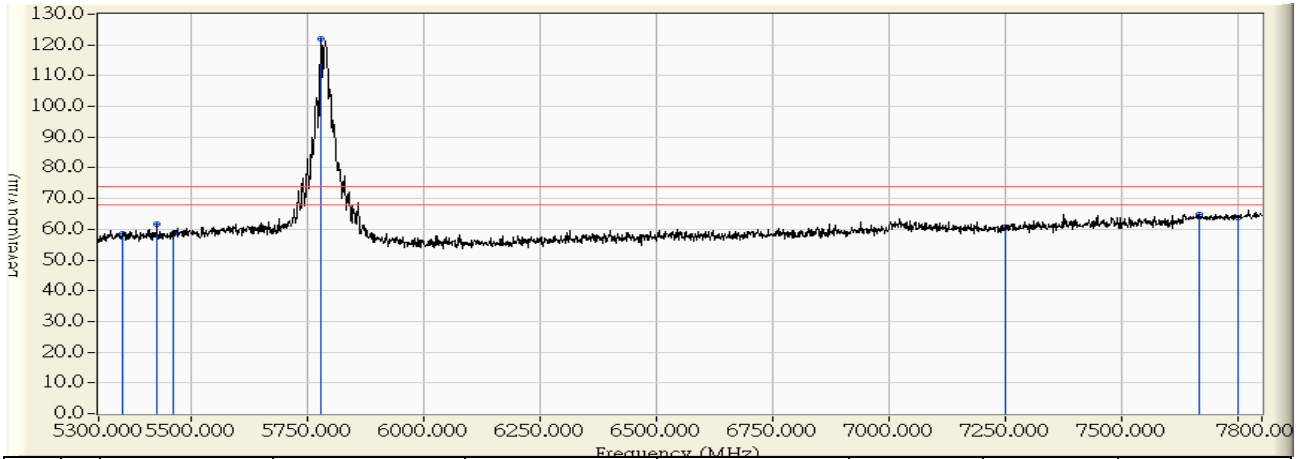


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	43.972	45.997	-8.003	54.000	AVERAGE
2	5458.670	2.977	44.179	47.155	-6.845	54.000	AVERAGE
3	5460.000	2.989	44.149	47.137	-6.863	54.000	AVERAGE
4	* 5786.007	2.323	104.934	107.257	53.257	54.000	AVERAGE
5	7250.000	7.013	43.603	50.615	-3.385	54.000	AVERAGE
6	7655.072	7.812	44.588	52.400	-1.600	54.000	AVERAGE
7	7750.000	7.975	44.427	52.403	-1.597	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2015/05/21 - 10:35
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	Power : AC120V/60Hz
EUT : Dual-band Wireless Range Extender	Note : 802.11a 5785MHz

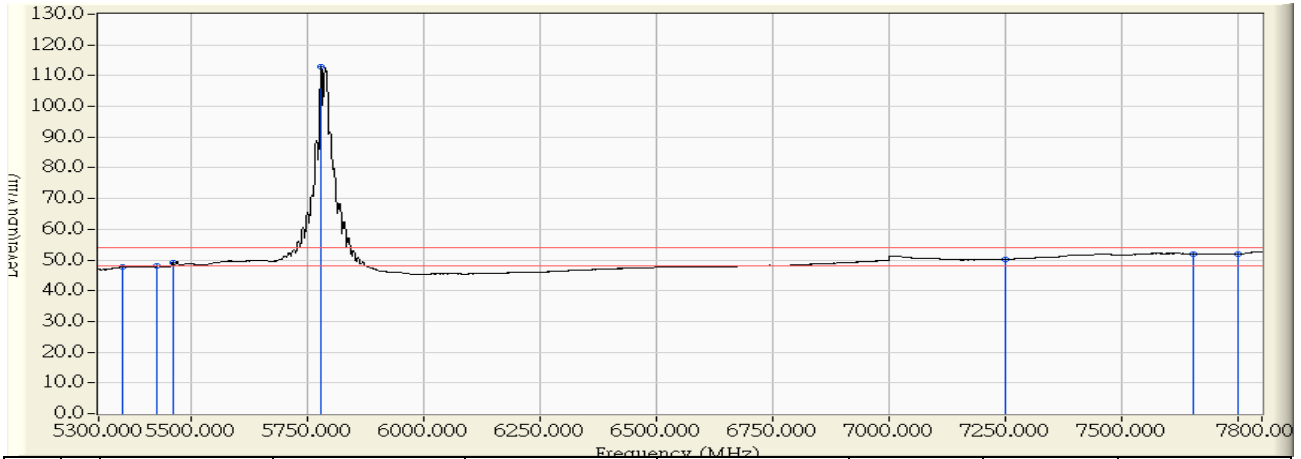


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	56.262	58.604	-15.396	74.000	PEAK
2	5424.937	2.960	58.610	61.570	-12.430	74.000	PEAK
3	5460.000	3.250	55.341	58.591	-15.409	74.000	PEAK
4	* 5777.261	2.451	119.526	121.977	47.977	74.000	PEAK
5	7250.000	6.513	54.183	60.695	-13.305	74.000	PEAK
6	7666.317	7.332	57.435	64.767	-9.233	74.000	PEAK
7	7750.000	7.475	56.138	63.614	-10.386	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 10:40</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11a 5785MHz</b>



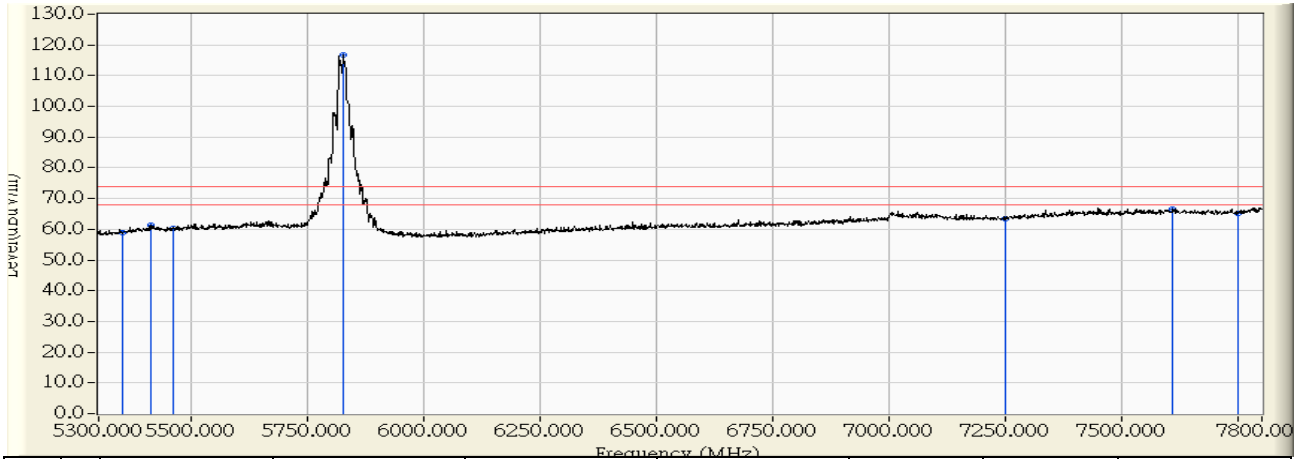
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	45.293	47.635	-6.365	54.000	AVERAGE
2	5424.937	2.960	44.982	47.942	-6.058	54.000	AVERAGE
3	5460.000	3.250	45.832	49.082	-4.918	54.000	AVERAGE
4	* 5777.261	2.451	110.612	113.063	59.063	54.000	AVERAGE
5	7250.000	6.513	43.653	50.165	-3.835	54.000	AVERAGE
6	7651.324	7.306	44.697	52.003	-1.997	54.000	AVERAGE
7	7750.000	7.475	44.428	51.904	-2.096	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



<b>Site : CB1</b>	<b>Time : 2015/05/21 - 10:58</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11a 5825MHz</b>

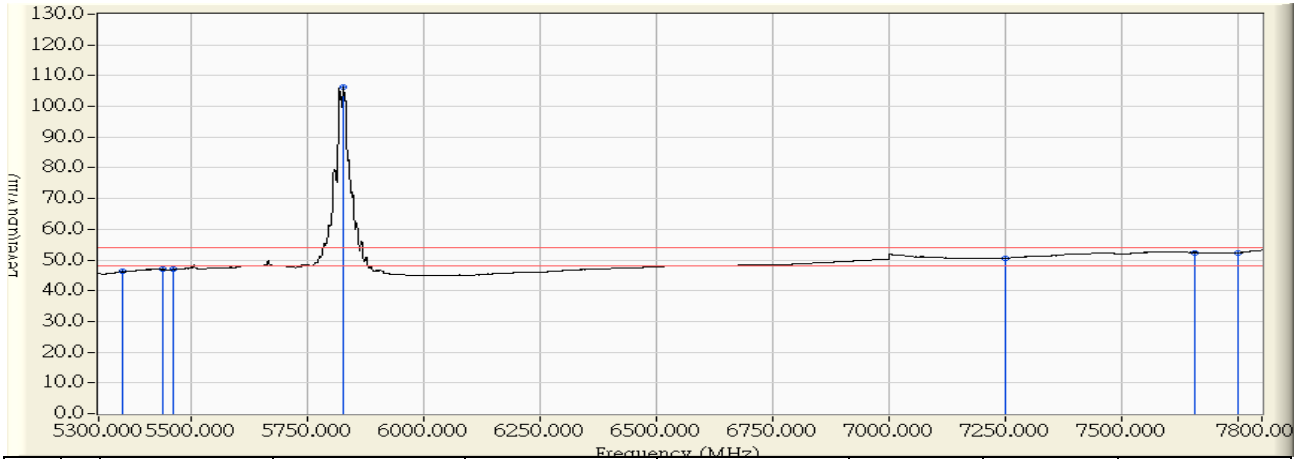


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	57.032	59.057	-14.943	74.000	PEAK
2	5411.194	2.561	58.828	61.389	-12.611	74.000	PEAK
3	5460.000	2.989	57.176	60.164	-13.836	74.000	PEAK
4	* 5825.987	2.209	114.384	116.593	42.593	74.000	PEAK
5	7250.000	7.013	56.349	63.361	-10.639	74.000	PEAK
6	7608.846	7.733	58.902	66.635	-7.365	74.000	PEAK
7	7750.000	7.975	57.068	65.044	-8.956	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 11:02</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11a 5825MHz</b>

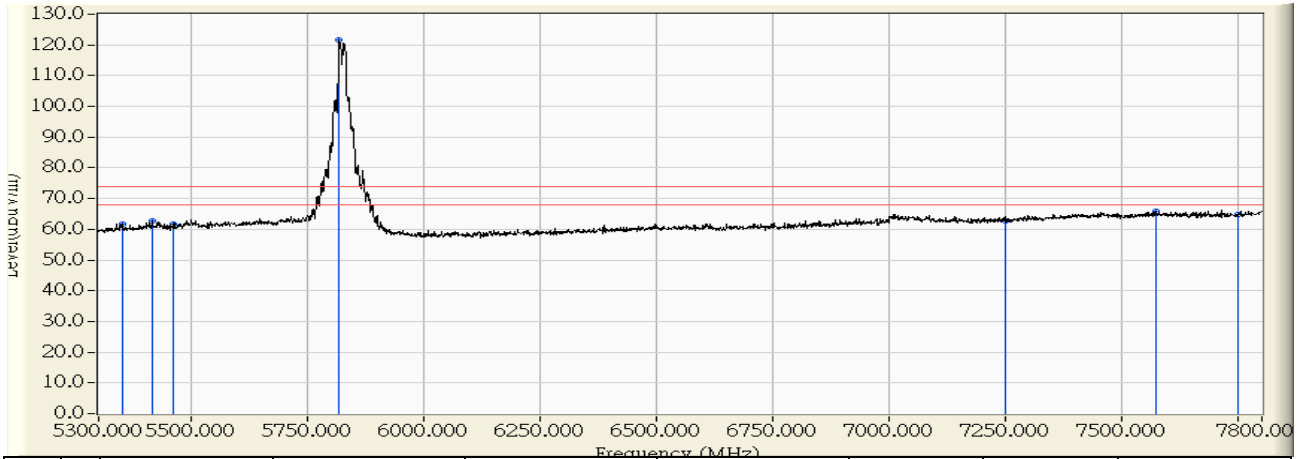


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	44.193	46.218	-7.782	54.000	AVERAGE
2	5437.431	2.790	44.103	46.894	-7.106	54.000	AVERAGE
3	5460.000	2.989	43.916	46.904	-7.096	54.000	AVERAGE
4	* 5825.987	2.209	103.936	106.145	52.145	54.000	AVERAGE
5	7250.000	7.013	43.604	50.616	-3.384	54.000	AVERAGE
6	7655.072	7.812	44.610	52.422	-1.578	54.000	AVERAGE
7	7750.000	7.975	44.381	52.357	-1.643	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 11:07</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11a 5825MHz</b>

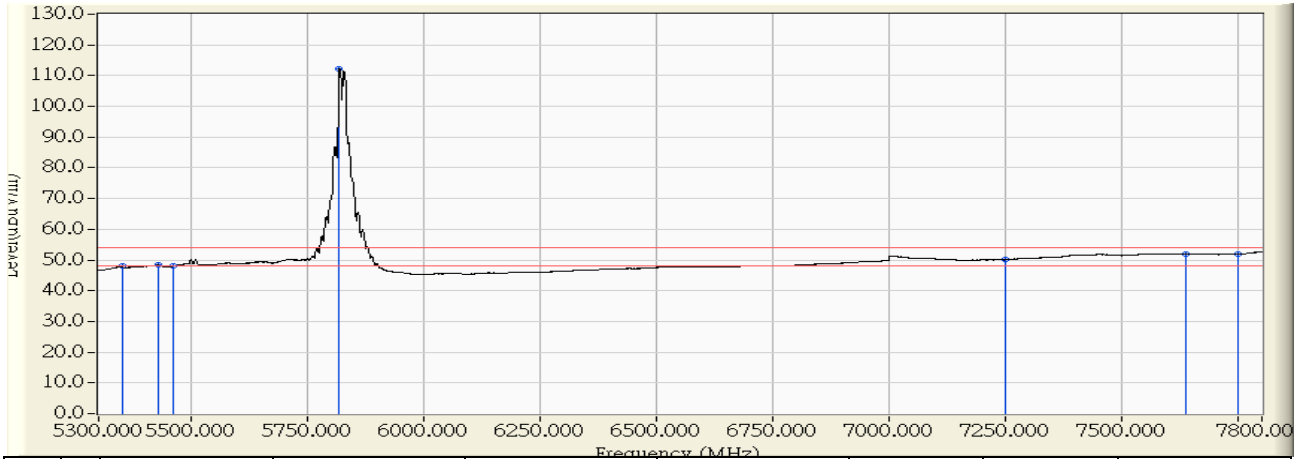


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	59.219	61.561	-12.439	74.000	PEAK
2	5414.942	2.878	59.739	62.617	-11.383	74.000	PEAK
3	5460.000	3.250	58.558	61.808	-12.192	74.000	PEAK
4	* 5817.241	2.317	119.266	121.583	47.583	74.000	PEAK
5	7250.000	6.513	56.235	62.747	-11.253	74.000	PEAK
6	7571.364	7.168	58.722	65.890	-8.110	74.000	PEAK
7	7750.000	7.475	57.237	64.713	-9.287	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 11:06</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11a 5825MHz</b>

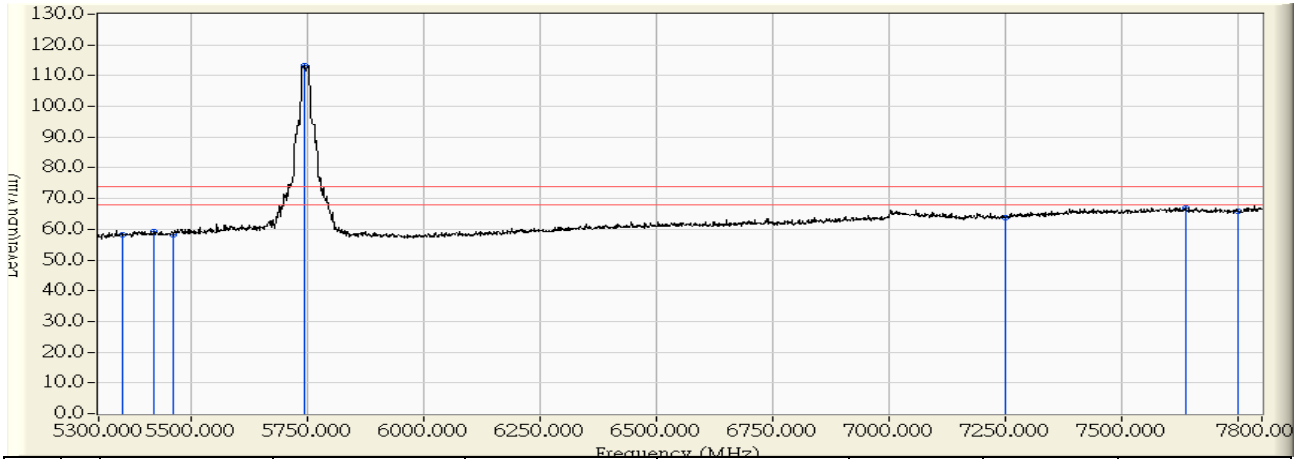


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	45.653	47.995	-6.005	54.000	AVERAGE
2	5427.436	2.981	45.304	48.285	-5.715	54.000	AVERAGE
3	5460.000	3.250	44.740	47.990	-6.010	54.000	AVERAGE
4	* 5817.241	2.317	110.012	112.329	58.329	54.000	AVERAGE
5	7250.000	6.513	43.618	50.130	-3.870	54.000	AVERAGE
6	7635.083	7.277	44.680	51.958	-2.042	54.000	AVERAGE
7	7750.000	7.475	44.409	51.885	-2.115	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:01</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5745MHz</b>



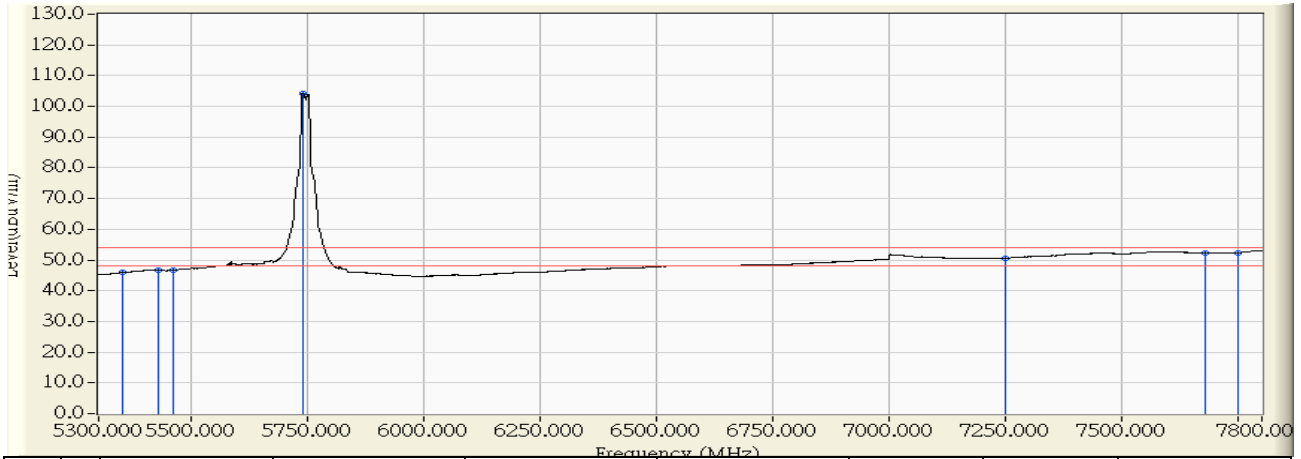
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	56.174	58.199	-15.801	74.000	PEAK
2	5418.690	2.627	56.751	59.377	-14.623	74.000	PEAK
3	5460.000	2.989	55.046	58.034	-15.966	74.000	PEAK
4	* 5741.029	2.452	110.764	113.215	39.215	74.000	PEAK
5	7250.000	7.013	56.852	63.864	-10.136	74.000	PEAK
6	7636.332	7.780	59.250	67.030	-6.970	74.000	PEAK
7	7750.000	7.975	57.724	65.700	-8.300	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



<b>Site : CB1</b>	<b>Time : 2015/05/21 - 11:46</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5745MHz</b>

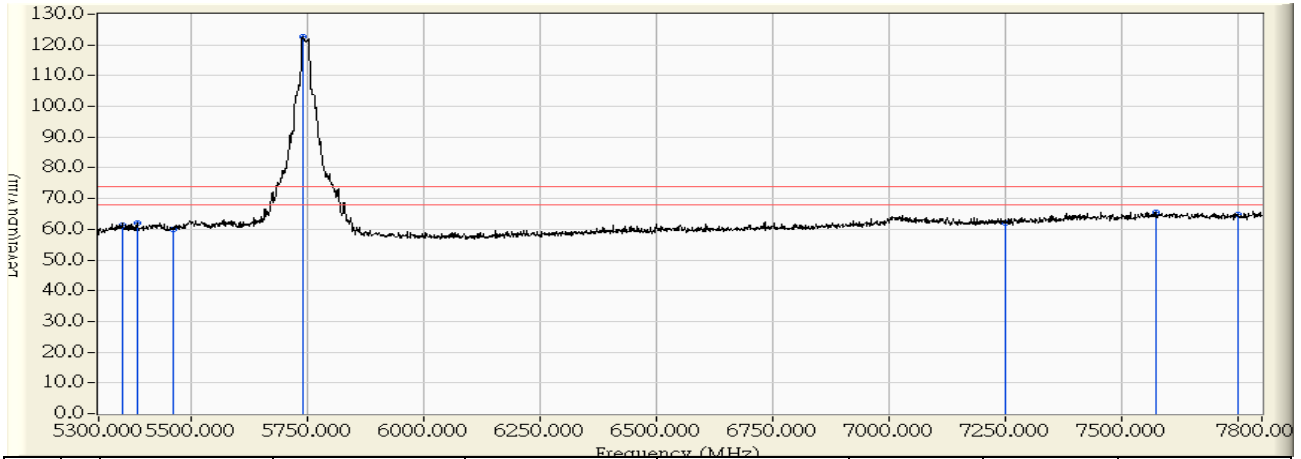


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	43.928	45.953	-8.047	54.000	AVERAGE
2	5427.436	2.703	44.106	46.809	-7.191	54.000	AVERAGE
3	5460.000	2.989	43.638	46.626	-7.374	54.000	AVERAGE
4	* 5738.531	2.458	101.855	104.314	50.314	54.000	AVERAGE
5	7250.000	7.013	43.612	50.624	-3.376	54.000	AVERAGE
6	7678.811	7.853	44.567	52.420	-1.580	54.000	AVERAGE
7	7750.000	7.975	44.354	52.330	-1.670	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 14:06</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5745MHz</b>

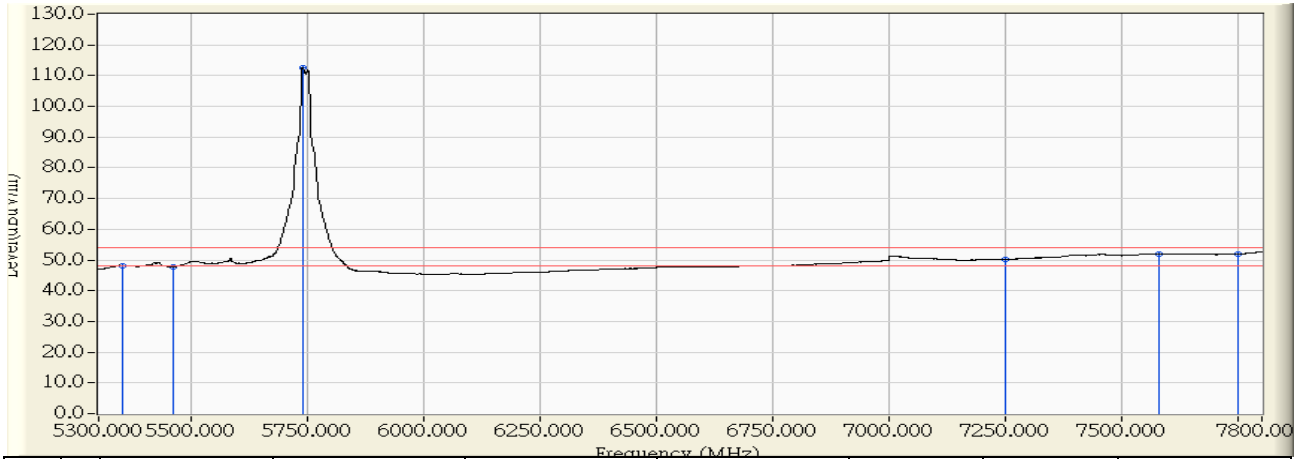


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	58.844	61.186	-12.814	74.000	PEAK
2	5382.458	2.610	59.351	61.961	-12.039	74.000	PEAK
3	5460.000	3.250	56.718	59.968	-14.032	74.000	PEAK
4	* 5738.531	2.581	119.969	122.550	48.550	74.000	PEAK
5	7250.000	6.513	55.671	62.183	-11.817	74.000	PEAK
6	7571.364	7.168	58.483	65.651	-8.349	74.000	PEAK
7	7750.000	7.475	57.389	64.865	-9.135	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 14:09</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5745MHz</b>

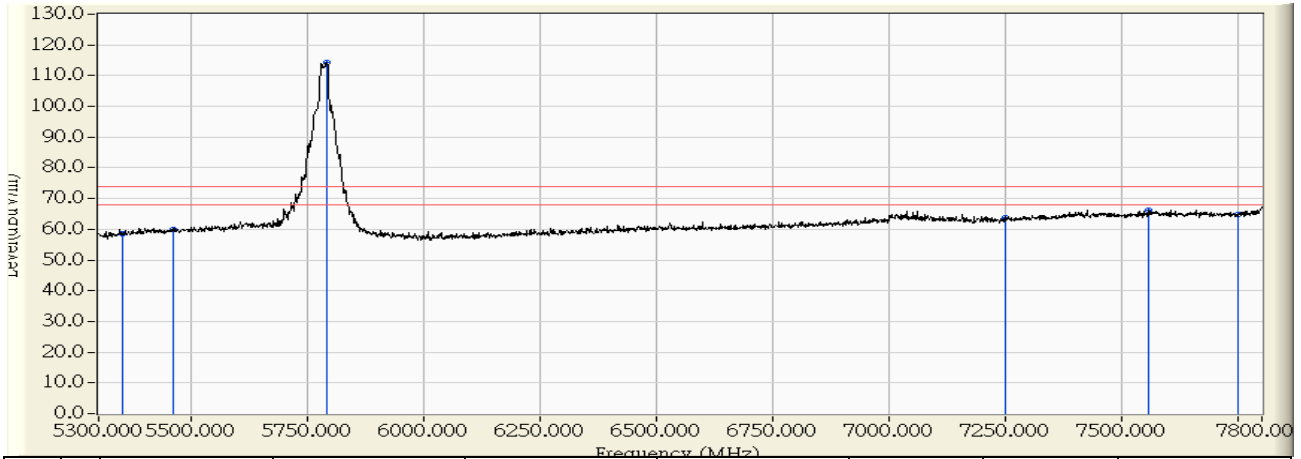


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	45.885	48.227	-5.773	54.000	AVERAGE
2	5460.000	3.250	44.591	47.841	-6.159	54.000	AVERAGE
3	* 5738.531	2.581	109.999	112.580	58.580	54.000	AVERAGE
4	7250.000	6.513	43.615	50.127	-3.873	54.000	AVERAGE
5	7580.110	7.184	44.877	52.060	-1.940	54.000	AVERAGE
6	7750.000	7.475	44.398	51.874	-2.126	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 11:26</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5785MHz</b>

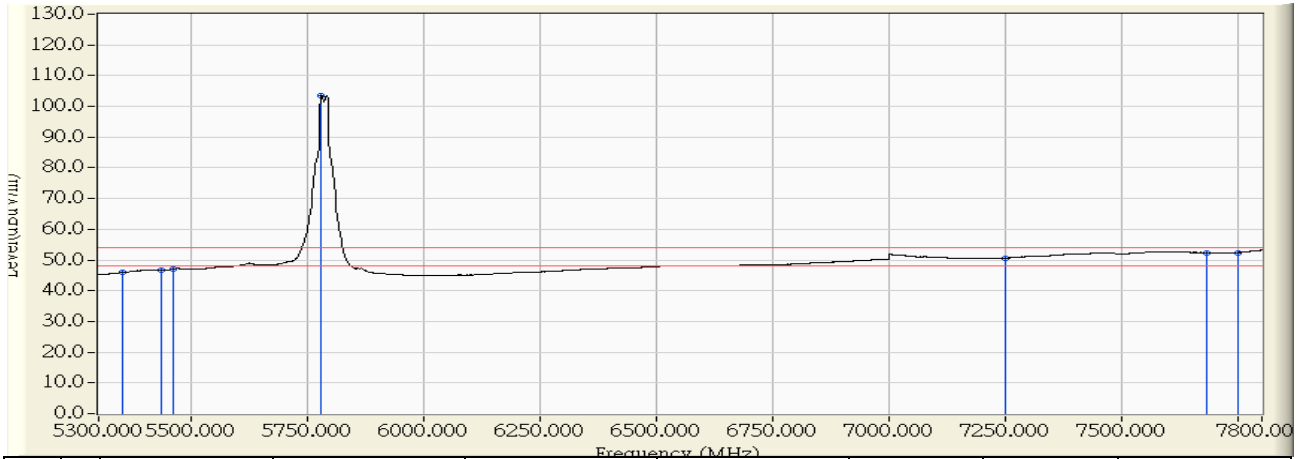


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	56.569	58.594	-15.406	74.000	PEAK
2	5460.000	2.989	57.122	60.110	-13.890	74.000	PEAK
3	* 5791.004	2.309	112.060	114.369	40.369	74.000	PEAK
4	7250.000	7.013	56.742	63.754	-10.246	74.000	PEAK
5	7555.122	7.641	58.694	66.334	-7.666	74.000	PEAK
6	7750.000	7.975	56.908	64.884	-9.116	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 11:36</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5785MHz</b>



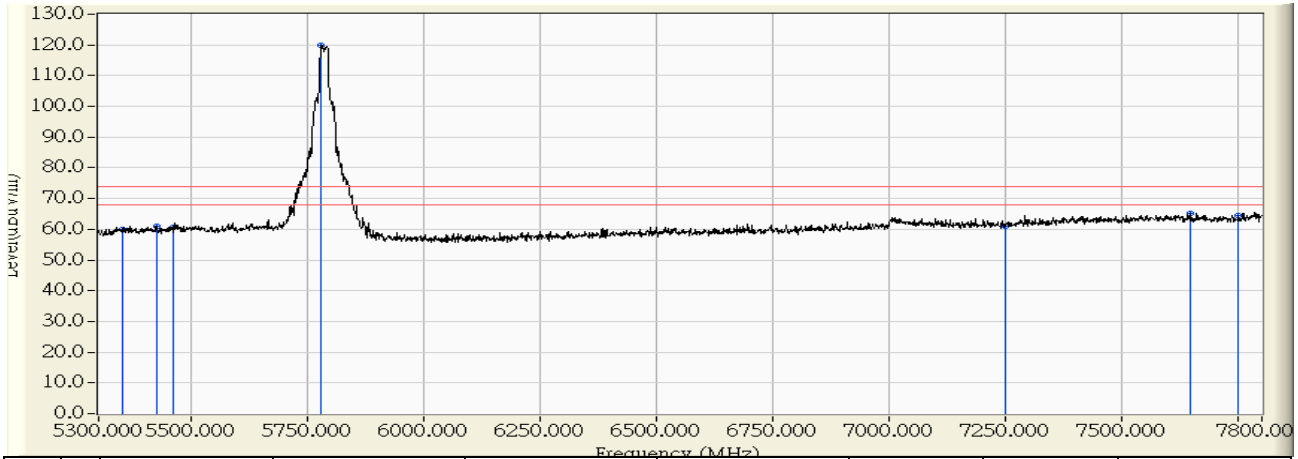
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	43.922	45.947	-8.053	54.000	AVERAGE
2	5433.683	2.758	43.937	46.695	-7.305	54.000	AVERAGE
3	5460.000	2.989	44.176	47.164	-6.836	54.000	AVERAGE
4	* 5778.511	2.344	101.174	103.518	49.518	54.000	AVERAGE
5	7250.000	7.013	43.615	50.627	-3.373	54.000	AVERAGE
6	7680.060	7.855	44.592	52.447	-1.553	54.000	AVERAGE
7	7750.000	7.975	44.454	52.430	-1.570	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:59</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5785MHz</b>

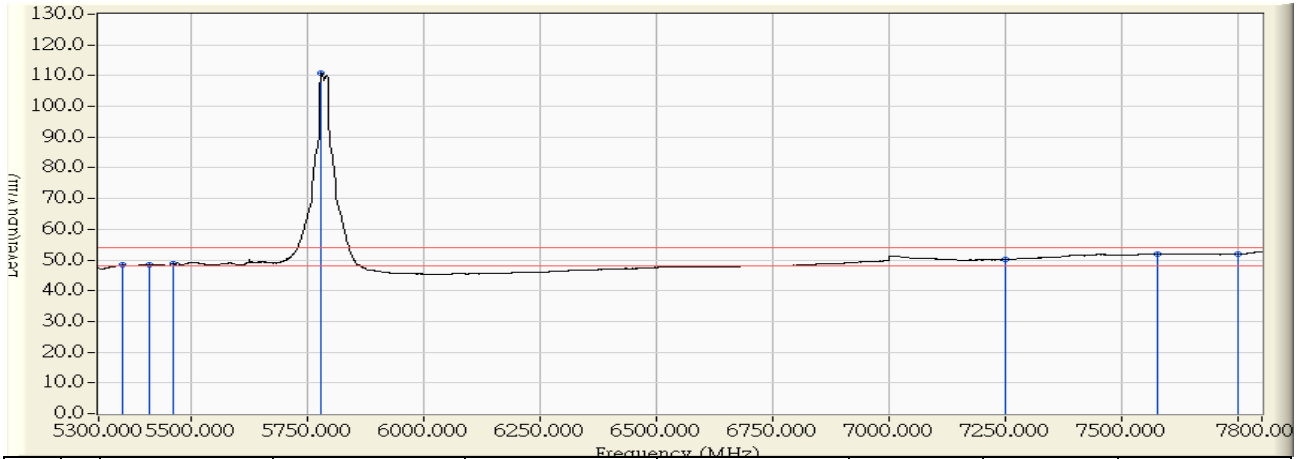


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	57.579	59.921	-14.079	74.000	PEAK
2	5423.688	2.950	58.067	61.017	-12.983	74.000	PEAK
3	5460.000	3.250	57.452	60.702	-13.298	74.000	PEAK
4	* 5778.511	2.447	117.519	119.966	45.966	74.000	PEAK
5	7250.000	6.513	54.637	61.149	-12.851	74.000	PEAK
6	7647.576	7.299	57.744	65.043	-8.957	74.000	PEAK
7	7750.000	7.475	56.849	64.325	-9.675	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 14:02</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5785MHz</b>

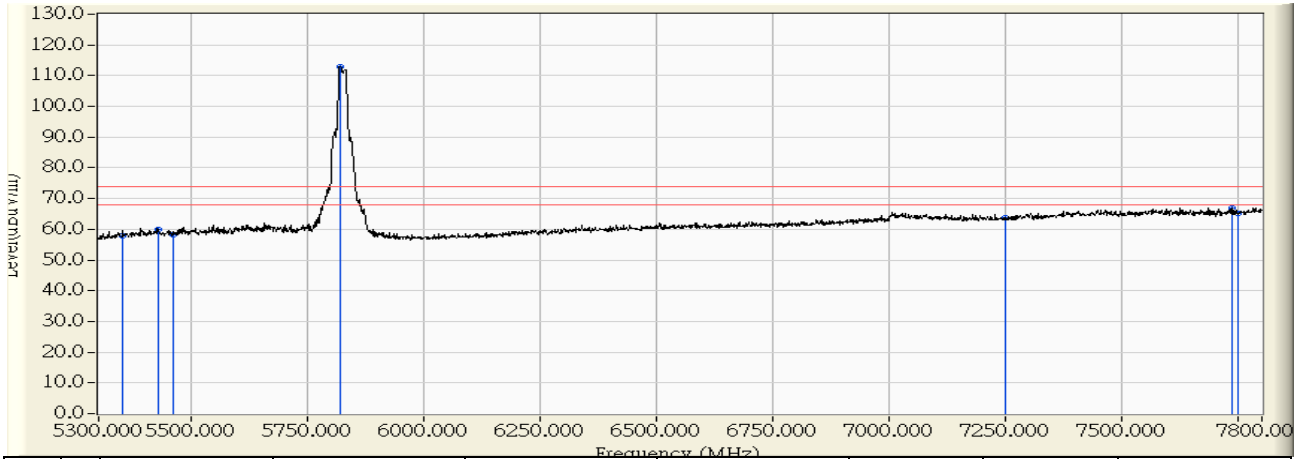


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	45.945	48.287	-5.713	54.000	AVERAGE
2	5407.446	2.816	45.674	48.490	-5.510	54.000	AVERAGE
3	5460.000	3.250	45.525	48.775	-5.225	54.000	AVERAGE
4	* 5778.511	2.447	108.285	110.732	56.732	54.000	AVERAGE
5	7250.000	6.513	43.594	50.106	-3.894	54.000	AVERAGE
6	7575.112	7.175	44.860	52.035	-1.965	54.000	AVERAGE
7	7750.000	7.475	44.379	51.855	-2.145	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 11:22</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5825MHz</b>

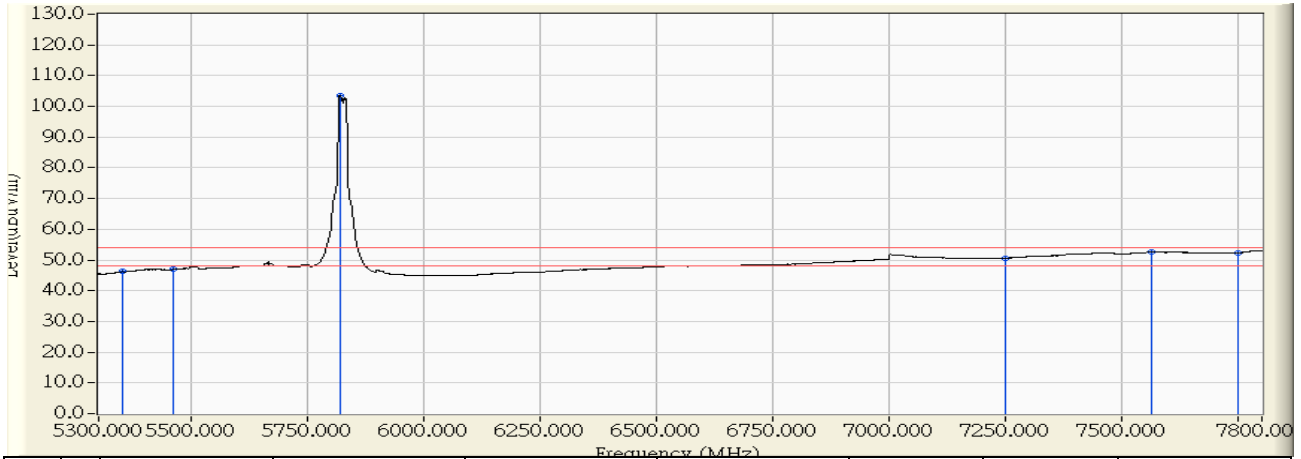


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	55.936	57.961	-16.039	74.000	PEAK
2	5428.685	2.714	57.162	59.876	-14.124	74.000	PEAK
3	5460.000	2.989	55.099	58.087	-15.913	74.000	PEAK
4	* 5818.491	2.231	110.808	113.038	39.038	74.000	PEAK
5	7250.000	7.013	56.775	63.787	-10.213	74.000	PEAK
6	7736.282	7.952	59.107	67.059	-6.941	74.000	PEAK
7	7750.000	7.975	57.332	65.308	-8.692	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 11:19</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5825MHz</b>

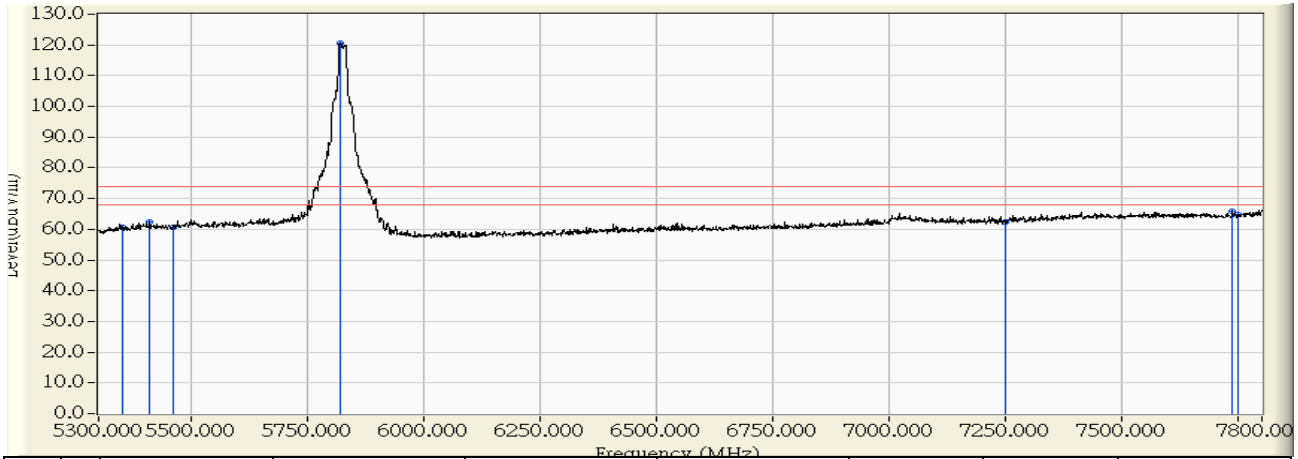


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	44.168	46.193	-7.807	54.000	AVERAGE
2	5460.000	2.989	43.896	46.884	-7.116	54.000	AVERAGE
3	* 5818.491	2.231	101.393	103.623	49.623	54.000	AVERAGE
4	7250.000	7.013	43.577	50.589	-3.411	54.000	AVERAGE
5	7561.369	7.651	44.883	52.534	-1.466	54.000	AVERAGE
6	7750.000	7.975	44.396	52.372	-1.628	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 11:09</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5825MHz</b>

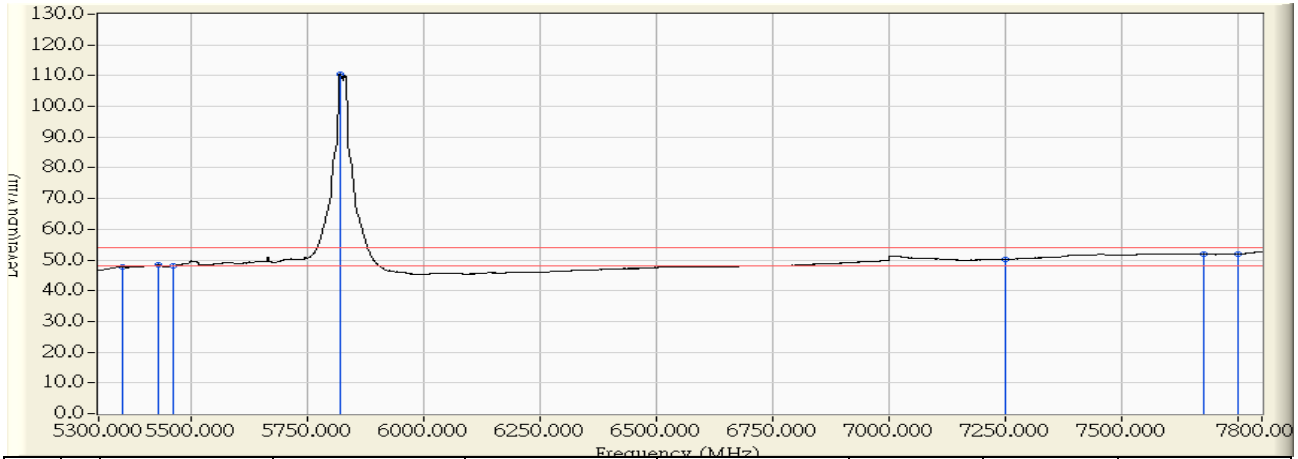


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	58.311	60.653	-13.347	74.000	PEAK
2	5409.945	2.837	59.645	62.481	-11.519	74.000	PEAK
3	5460.000	3.250	57.292	60.542	-13.458	74.000	PEAK
4	* 5818.491	2.313	118.137	120.449	46.449	74.000	PEAK
5	7250.000	6.513	56.015	62.527	-11.473	74.000	PEAK
6	7736.282	7.452	58.381	65.833	-8.167	74.000	PEAK
7	7750.000	7.475	57.237	64.713	-9.287	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 11:13</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 20MHz 5825MHz</b>



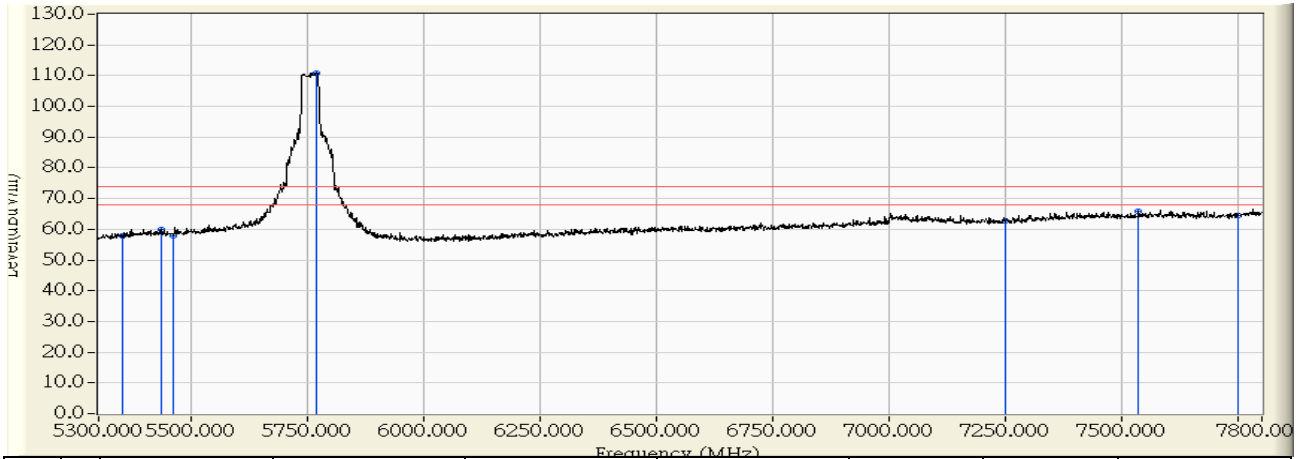
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	45.386	47.728	-6.272	54.000	AVERAGE
2	5427.436	2.981	45.312	48.293	-5.707	54.000	AVERAGE
3	5460.000	3.250	44.775	48.025	-5.975	54.000	AVERAGE
4	* 5818.491	2.313	108.329	110.641	56.641	54.000	AVERAGE
5	7250.000	6.513	43.597	50.109	-3.891	54.000	AVERAGE
6	7673.813	7.345	44.599	51.944	-2.056	54.000	AVERAGE
7	7750.000	7.475	44.403	51.879	-2.121	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:24</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 40MHz 5755MHz</b>

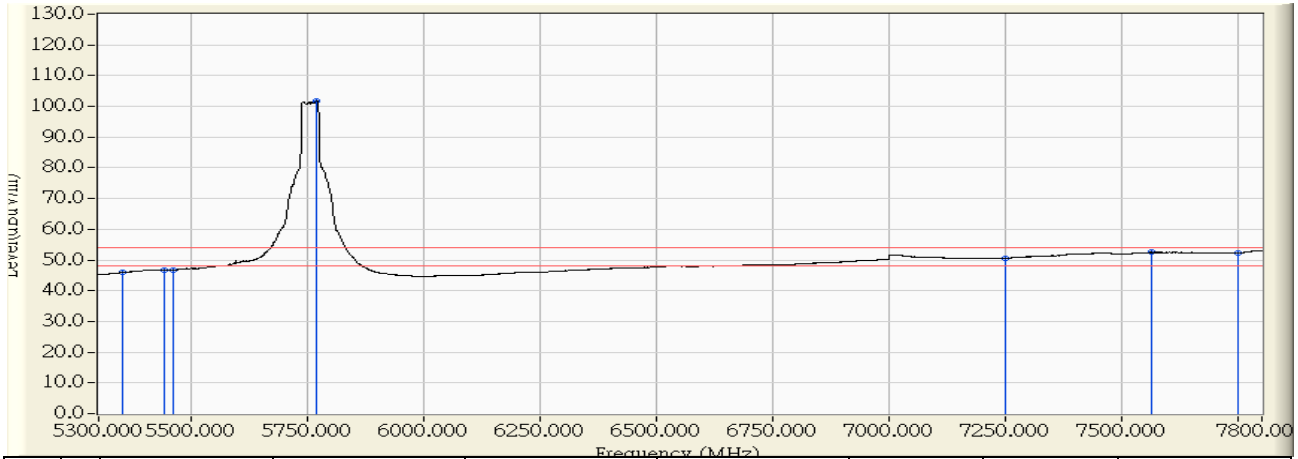


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	55.820	57.845	-16.155	74.000	PEAK
2	5434.932	2.769	57.329	60.098	-13.902	74.000	PEAK
3	5460.000	2.989	54.969	57.957	-16.043	74.000	PEAK
4	* 5767.266	2.376	108.588	110.964	36.964	74.000	PEAK
5	7250.000	7.013	55.613	62.625	-11.375	74.000	PEAK
6	7535.132	7.606	58.213	65.819	-8.181	74.000	PEAK
7	7750.000	7.975	56.579	64.555	-9.445	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:22</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 40MHz 5755MHz</b>

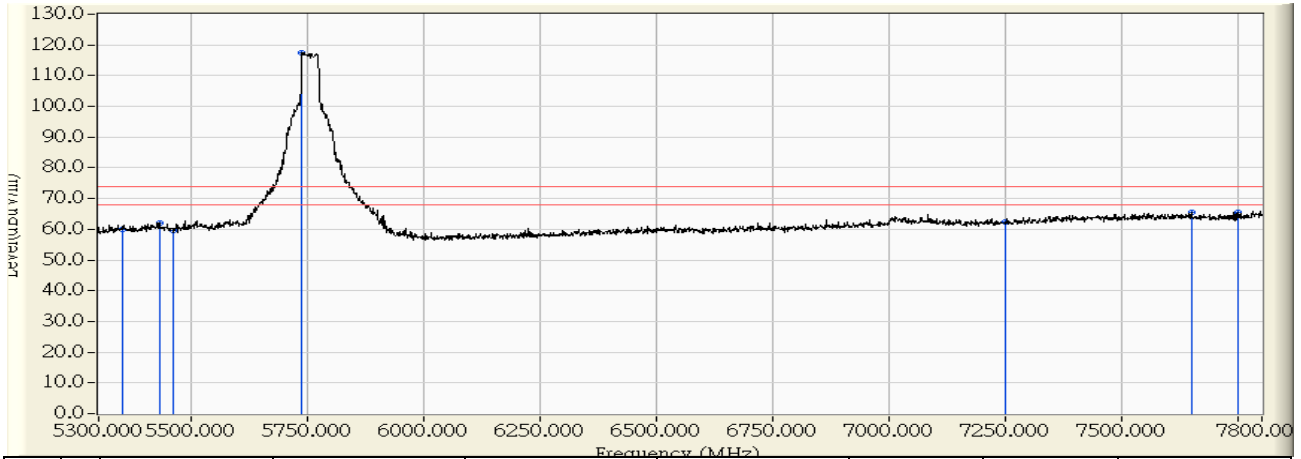


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	43.921	45.946	-8.054	54.000	AVERAGE
2	5439.930	2.813	43.903	46.715	-7.285	54.000	AVERAGE
3	5460.000	2.989	43.683	46.671	-7.329	54.000	AVERAGE
4	* 5768.516	2.372	99.371	101.744	47.744	54.000	AVERAGE
5	7250.000	7.013	43.556	50.568	-3.432	54.000	AVERAGE
6	7563.868	7.655	44.832	52.487	-1.513	54.000	AVERAGE
7	7750.000	7.975	44.407	52.383	-1.617	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:41</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 40MHz 5755MHz</b>

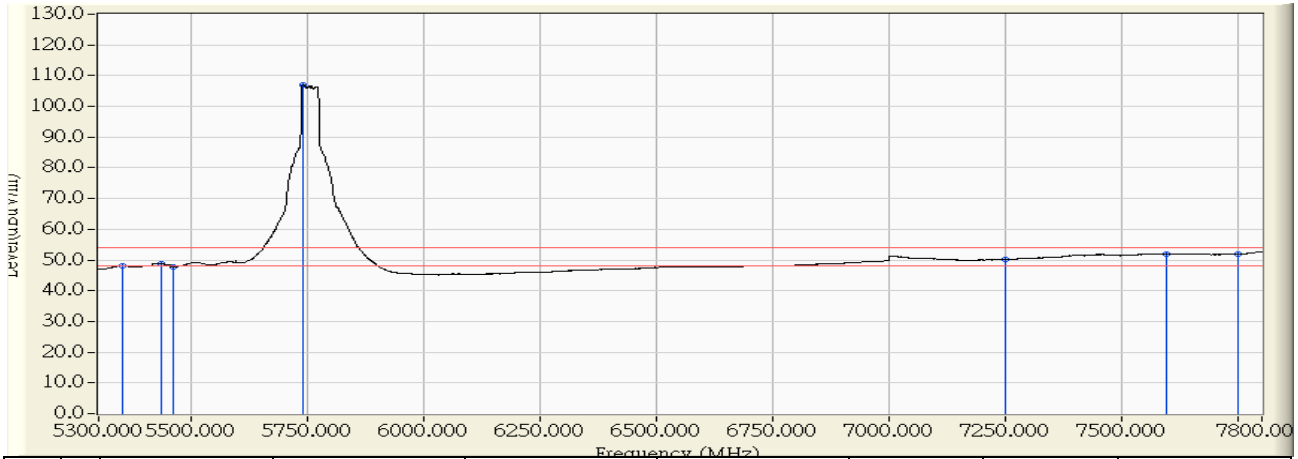


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	57.721	60.063	-13.937	74.000	PEAK
2	5429.935	3.002	58.901	61.902	-12.098	74.000	PEAK
3	5460.000	3.250	56.333	59.583	-14.417	74.000	PEAK
4	* 5737.281	2.585	114.897	117.482	43.482	74.000	PEAK
5	7250.000	6.513	55.769	62.281	-11.719	74.000	PEAK
6	7648.826	7.301	58.062	65.363	-8.637	74.000	PEAK
7	7750.000	7.475	57.956	65.432	-8.568	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:44</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 40MHz 5755MHz</b>

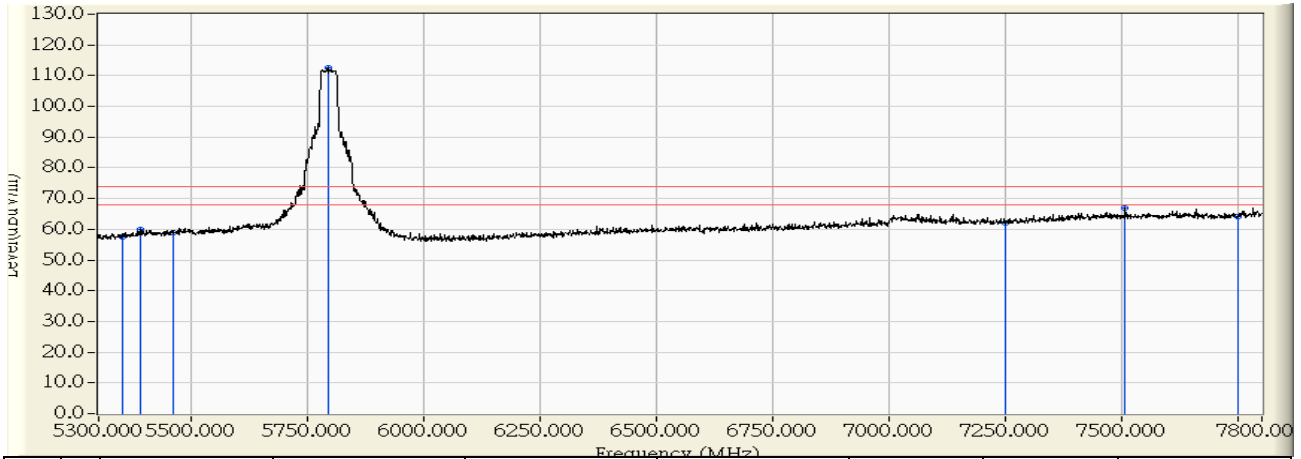


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	45.761	48.103	-5.897	54.000	AVERAGE
2	5436.182	3.053	45.742	48.795	-5.205	54.000	AVERAGE
3	5460.000	3.250	44.496	47.746	-6.254	54.000	AVERAGE
4	* 5738.531	2.581	104.550	107.131	53.131	54.000	AVERAGE
5	7250.000	6.513	43.577	50.089	-3.911	54.000	AVERAGE
6	7595.102	7.209	44.832	52.041	-1.959	54.000	AVERAGE
7	7750.000	7.475	44.387	51.863	-2.137	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:18</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 40MHz 5795MHz</b>

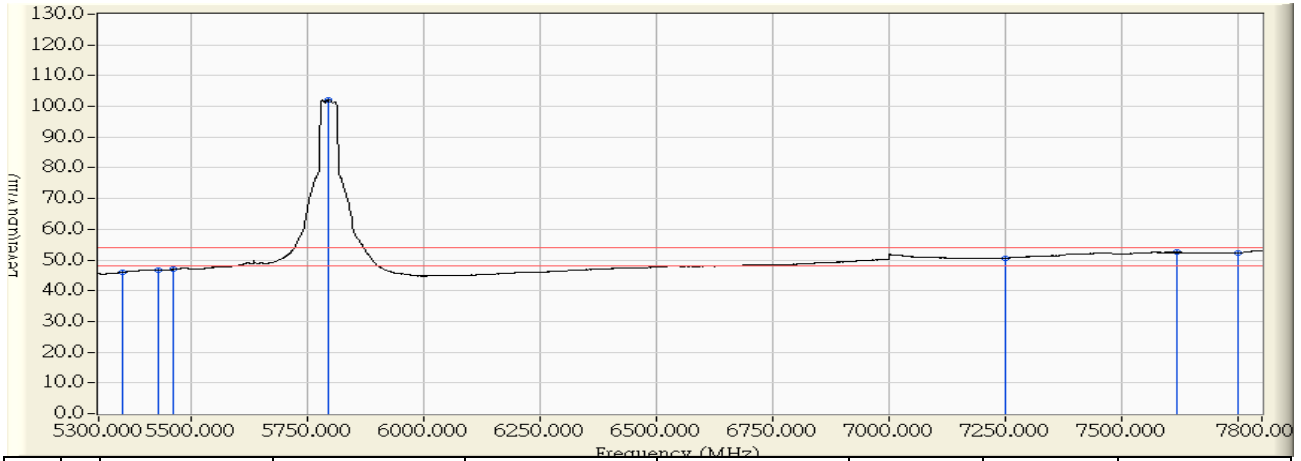


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	55.485	57.510	-16.490	74.000	PEAK
2	5389.955	2.375	57.607	59.982	-14.018	74.000	PEAK
3	5460.000	2.989	55.740	58.728	-15.272	74.000	PEAK
4	* 5792.254	2.305	110.223	112.528	38.528	74.000	PEAK
5	7250.000	7.013	55.001	62.013	-11.987	74.000	PEAK
6	7505.147	7.555	59.369	66.923	-7.077	74.000	PEAK
7	7750.000	7.975	56.021	63.997	-10.003	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:20</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 40MHz 5795MHz</b>



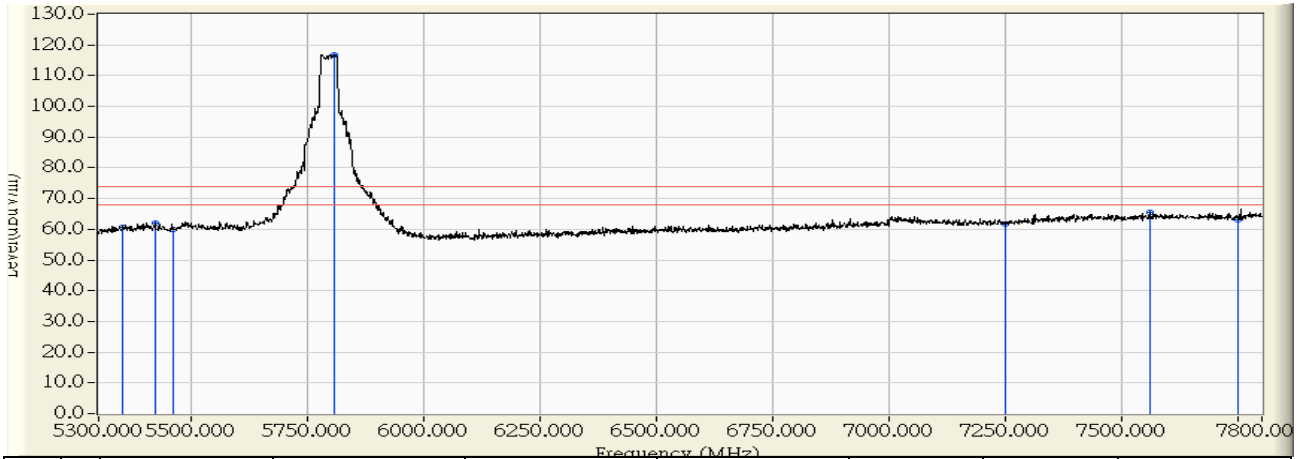
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	44.024	46.049	-7.951	54.000	AVERAGE
2	5427.436	2.703	44.071	46.774	-7.226	54.000	AVERAGE
3	5460.000	2.989	43.929	46.917	-7.083	54.000	AVERAGE
4	* 5792.254	2.305	99.846	102.151	48.151	54.000	AVERAGE
5	7250.000	7.013	43.573	50.585	-3.415	54.000	AVERAGE
6	7617.591	7.748	44.754	52.502	-1.498	54.000	AVERAGE
7	7750.000	7.975	44.347	52.323	-1.677	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:39</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 40MHz 5795MHz</b>

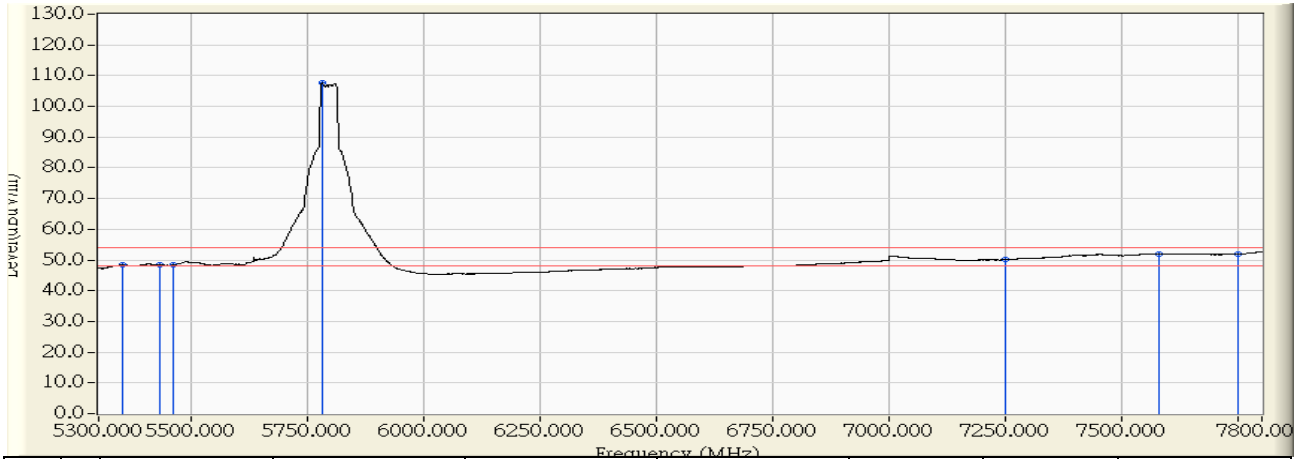


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	58.423	60.765	-13.235	74.000	PEAK
2	5421.189	2.929	59.207	62.136	-11.864	74.000	PEAK
3	5460.000	3.250	56.811	60.061	-13.939	74.000	PEAK
4	* 5807.246	2.350	114.532	116.882	42.882	74.000	PEAK
5	7250.000	6.513	55.101	61.613	-12.387	74.000	PEAK
6	7558.871	7.147	58.265	65.412	-8.588	74.000	PEAK
7	7750.000	7.475	55.694	63.170	-10.830	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:37</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11n 40MHz 5795MHz</b>

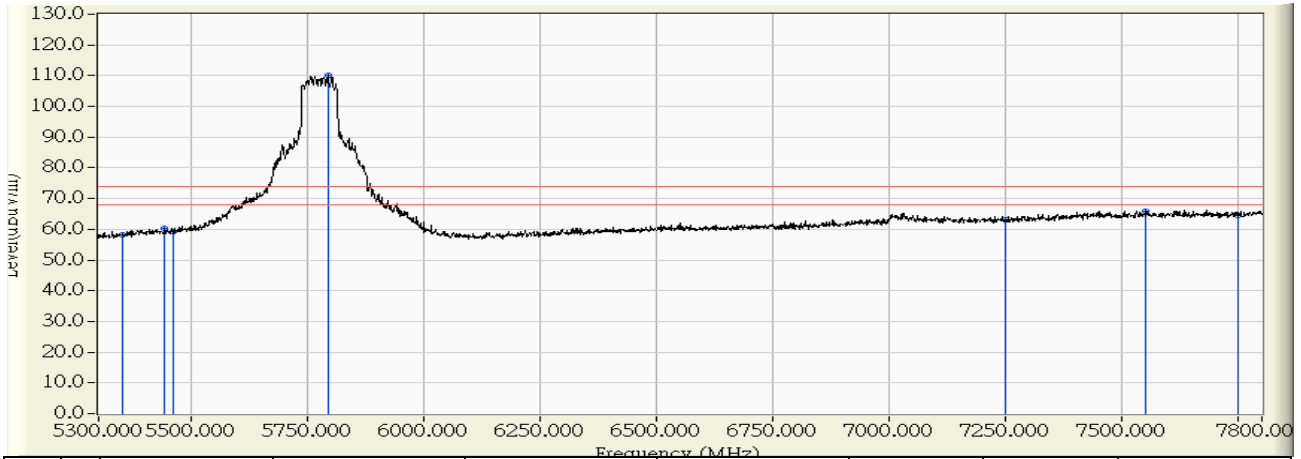


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	45.962	48.304	-5.696	54.000	AVERAGE
2	5429.935	3.002	45.578	48.579	-5.421	54.000	AVERAGE
3	5460.000	3.250	45.273	48.523	-5.477	54.000	AVERAGE
4	* 5779.760	2.442	105.080	107.522	53.522	54.000	AVERAGE
5	7250.000	6.513	43.589	50.101	-3.899	54.000	AVERAGE
6	7578.861	7.181	44.846	52.027	-1.973	54.000	AVERAGE
7	7750.000	7.475	44.445	51.921	-2.079	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:25</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11ac 80MHz 5775MHz</b>

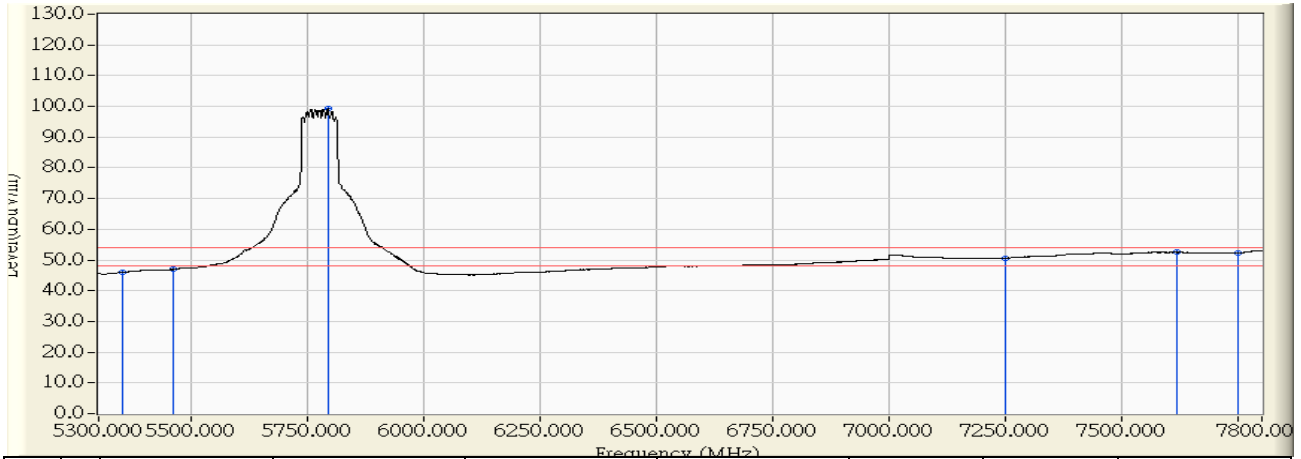


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	56.258	58.283	-15.717	74.000	PEAK
2	5441.179	2.823	57.435	60.258	-13.742	74.000	PEAK
3	5460.000	2.989	56.103	59.091	-14.909	74.000	PEAK
4	* 5792.254	2.305	107.785	110.090	36.090	74.000	PEAK
5	7250.000	7.013	55.975	62.987	-11.013	74.000	PEAK
6	7548.876	7.629	58.264	65.893	-8.107	74.000	PEAK
7	7750.000	7.975	56.631	64.607	-9.393	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:28</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11ac 80MHz 5775MHz</b>

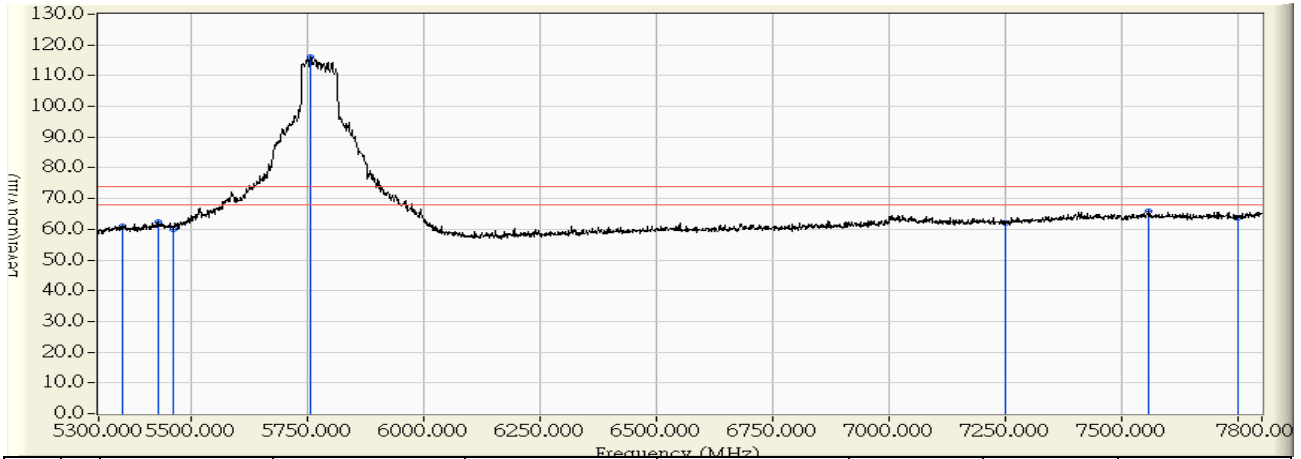


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.026	43.946	45.971	-8.029	54.000	AVERAGE
2	5460.000	2.989	43.897	46.885	-7.115	54.000	AVERAGE
3	* 5792.254	2.305	97.111	99.416	45.416	54.000	AVERAGE
4	7250.000	7.013	43.643	50.655	-3.345	54.000	AVERAGE
5	7617.591	7.748	44.759	52.507	-1.493	54.000	AVERAGE
6	7750.000	7.975	44.396	52.372	-1.628	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:32</b>
<b>Limit : FCC_SpartC_15.209_03M_PK</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11ac 80MHz 5775MHz</b>

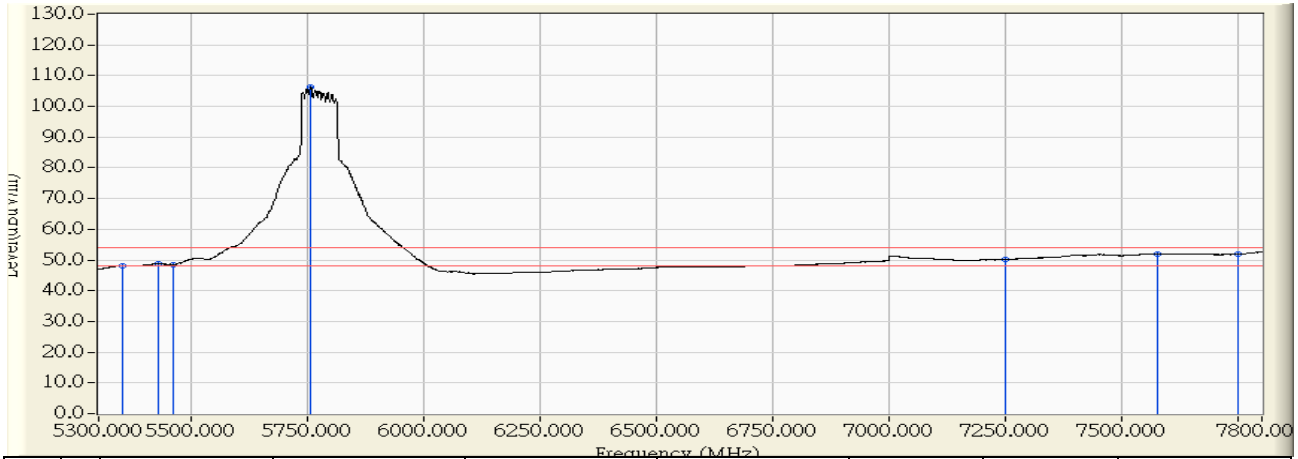


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	58.728	61.070	-12.930	74.000	PEAK
2	5427.436	2.981	59.509	62.490	-11.510	74.000	PEAK
3	5460.000	3.250	56.570	59.820	-14.180	74.000	PEAK
4	* 5756.022	2.522	113.496	116.018	42.018	74.000	PEAK
5	7250.000	6.513	55.600	62.112	-11.888	74.000	PEAK
6	7556.372	7.142	58.680	65.822	-8.178	74.000	PEAK
7	7750.000	7.475	56.449	63.925	-10.075	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

<b>Site : CB1</b>	<b>Time : 2015/05/21 - 13:34</b>
<b>Limit : FCC_SpartC_15.209_03M_AV</b>	<b>Margin : 6</b>
<b>Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL</b>	<b>Power : AC120V/60Hz</b>
<b>EUT : Dual-band Wireless Range Extender</b>	<b>Note : 802.11ac 80MHz 5775MHz</b>



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.342	45.904	48.246	-5.754	54.000	AVERAGE
2	5427.436	2.981	45.898	48.879	-5.121	54.000	AVERAGE
3	5460.000	3.250	45.226	48.476	-5.524	54.000	AVERAGE
4	* 5756.022	2.522	103.646	106.168	52.168	54.000	AVERAGE
5	7250.000	6.513	43.586	50.098	-3.902	54.000	AVERAGE
6	7575.112	7.175	44.843	52.018	-1.982	54.000	AVERAGE
7	7750.000	7.475	44.357	51.833	-2.167	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



**7. DTS Bandwidth**

**7.1. Test Equipment**

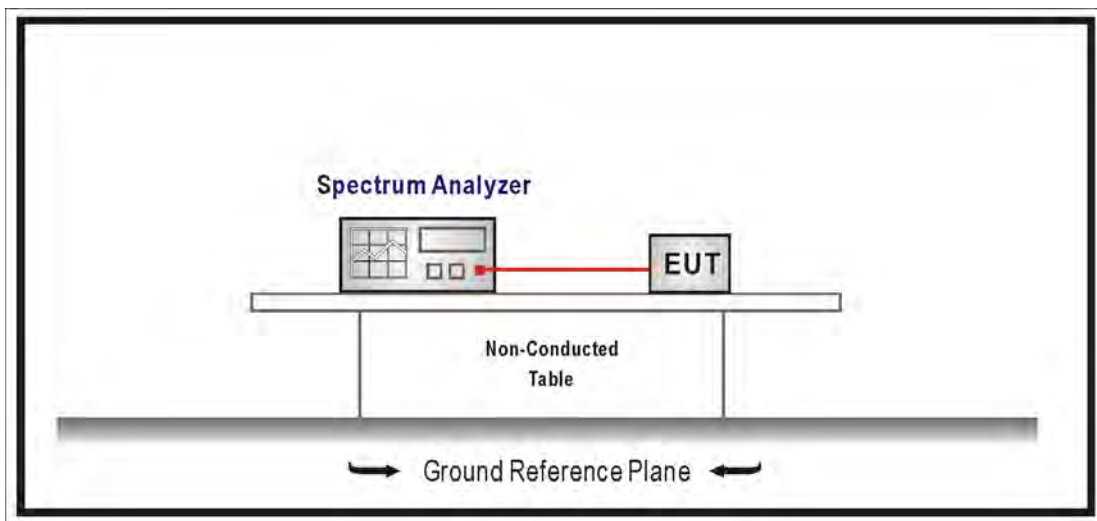
The following test equipments are used during the test:

**DTS Bandwidth / SR7**

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14

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

**7.2. Test Setup**



**7.3. Test Procedures**

The EUT was setup according to ANSI C63.10; tested procedure section 8.1 of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100KHz, Set the VBW  $\geq 3 \times$  RBW, Sweep Time=Auto, Set Peak Detector.

**7.4. Limits**

The 6 dB bandwidth must be greater than 500 kHz.

**7.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2014

**7.6. Uncertainty**

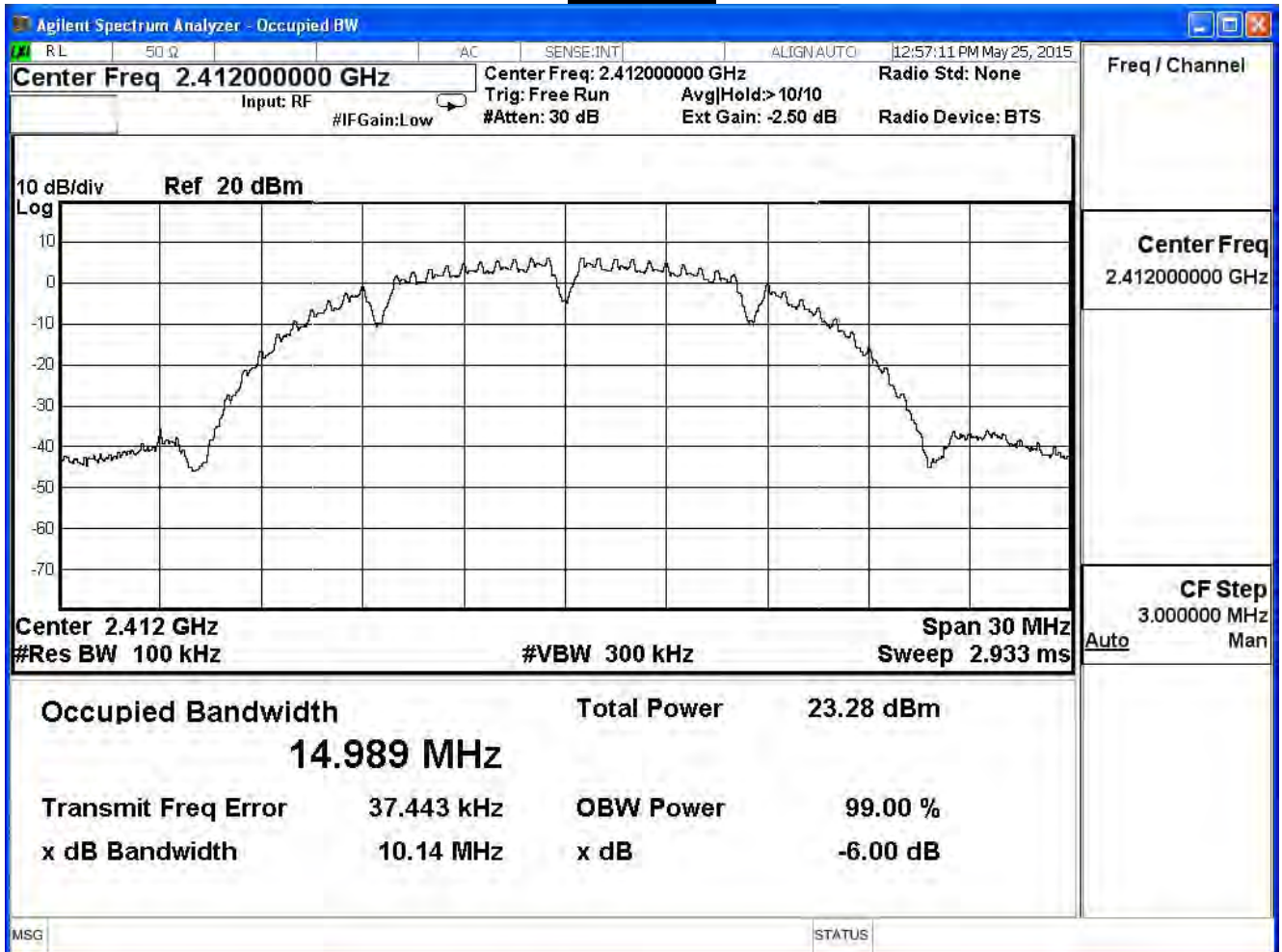
The measurement uncertainty is defined as  $\pm 150$ Hz

**7.7. Test Result**

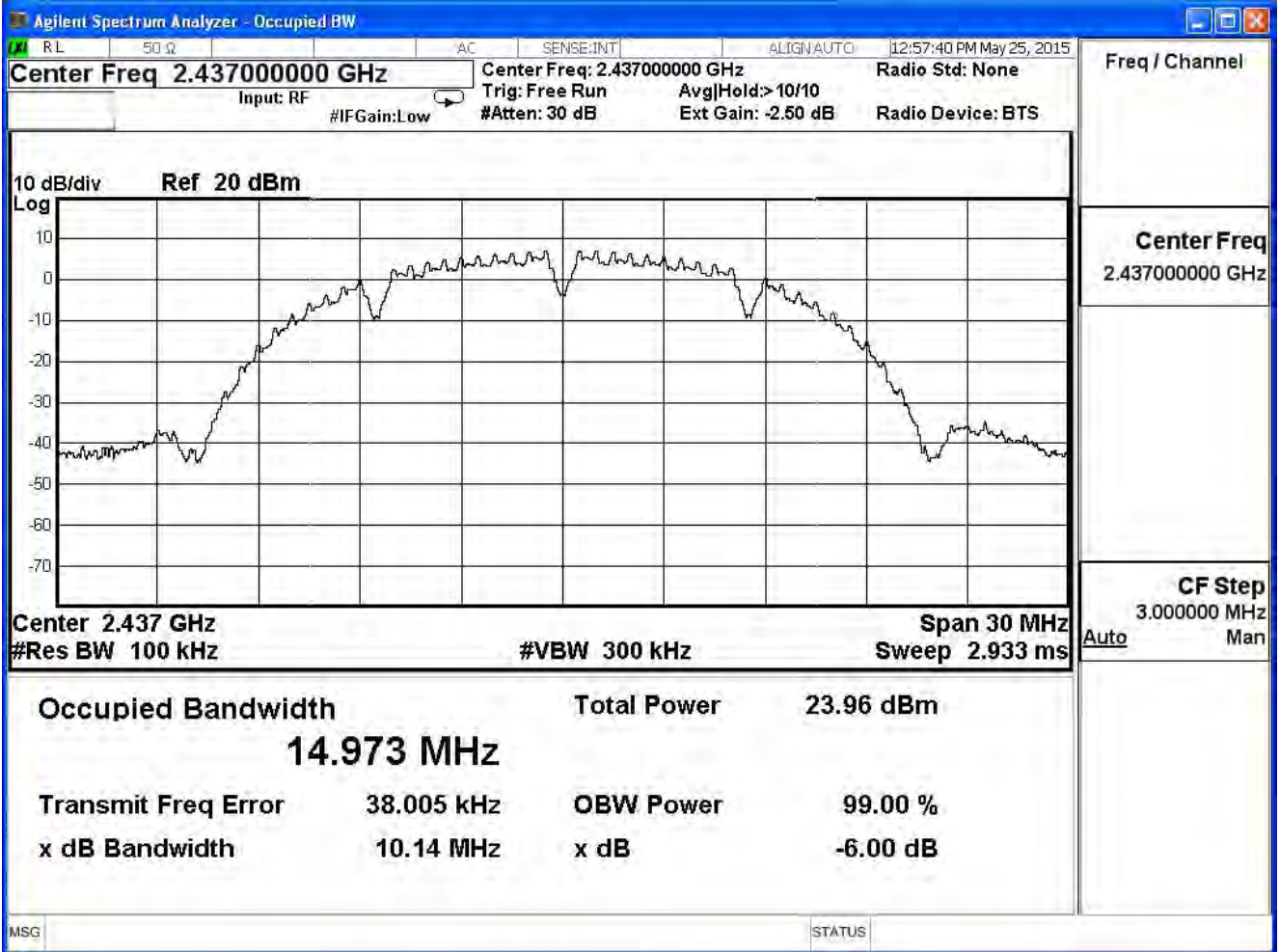
Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

802.11 b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	10.14	≥ 0.5	Pass
6	2437	10.14	≥ 0.5	Pass
11	2462	10.14	≥ 0.5	Pass

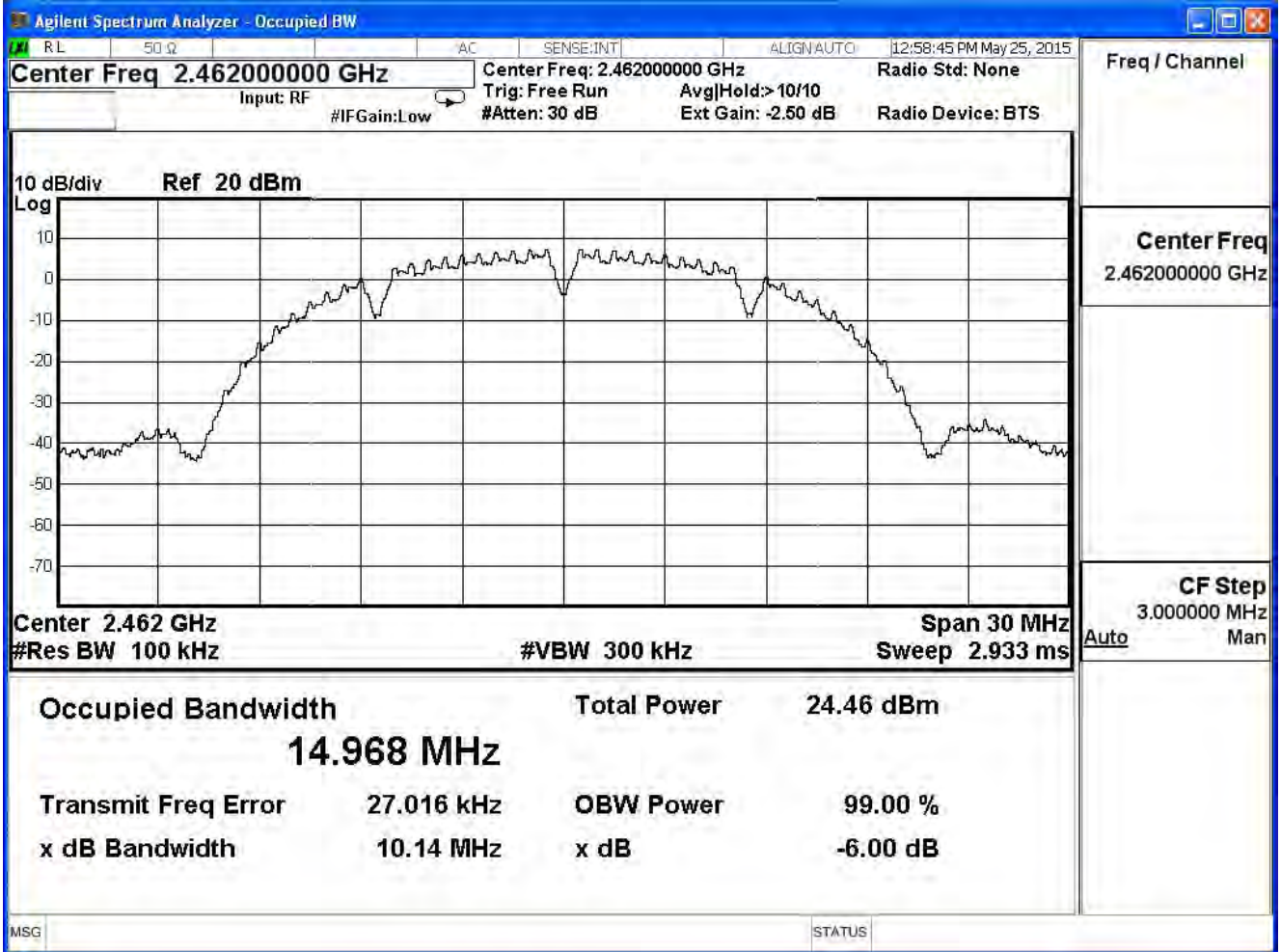
**Channel 1**



### Channel 6



**Channel 11**



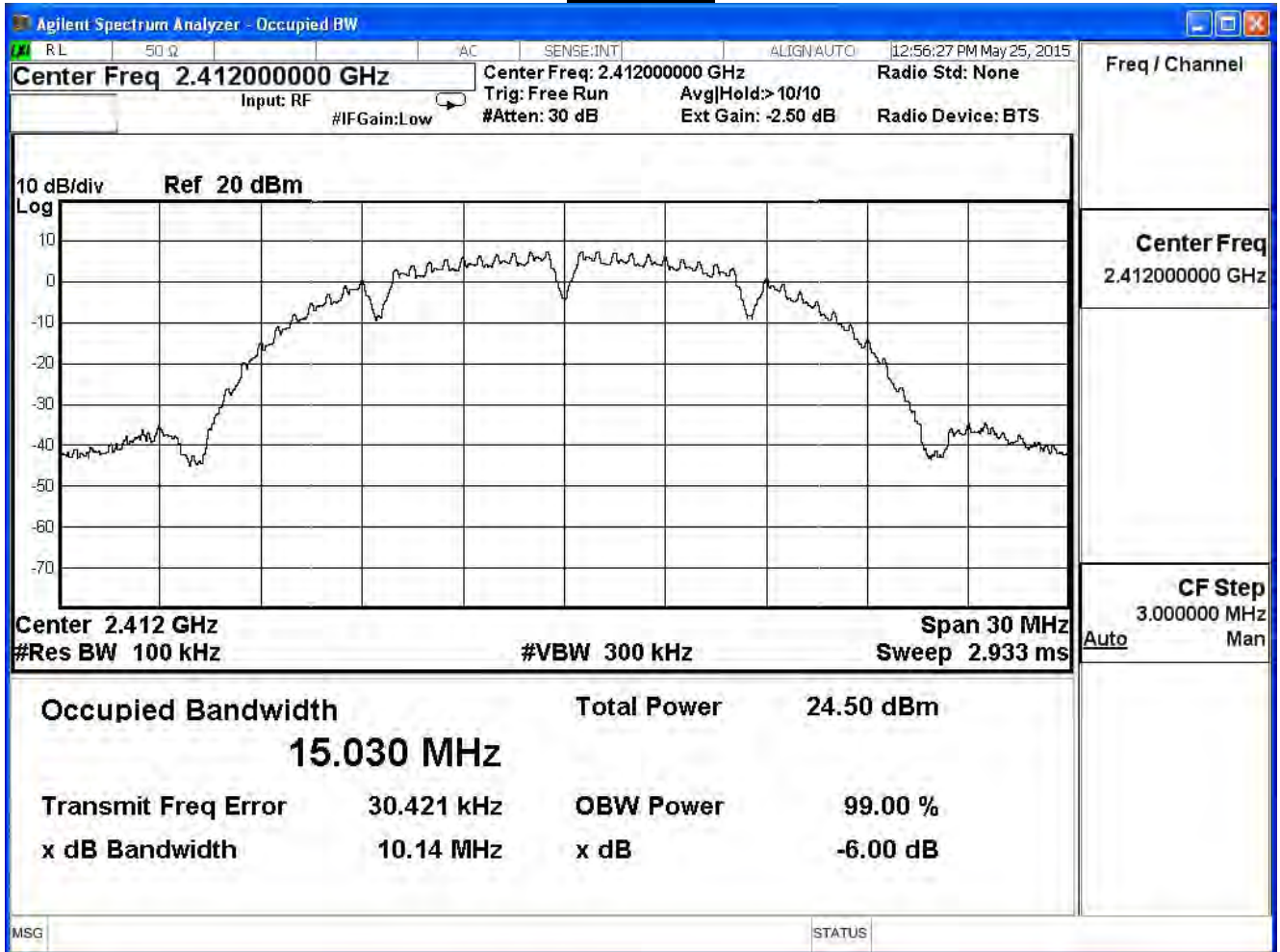


Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

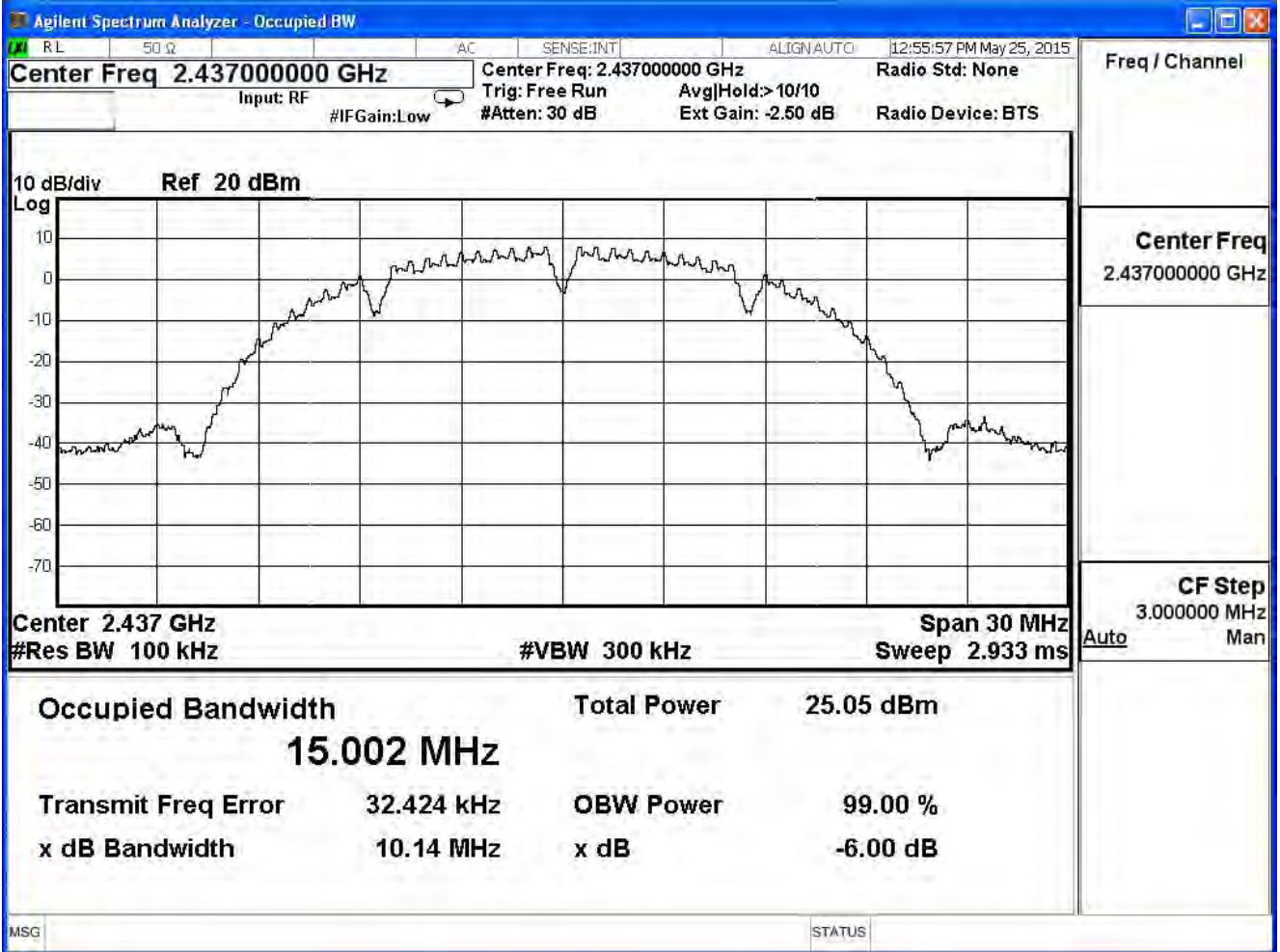
802.11 b (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	10.14	$\geq 0.5$	Pass
6	2437	10.14	$\geq 0.5$	Pass
11	2462	10.14	$\geq 0.5$	Pass

**Channel 1**

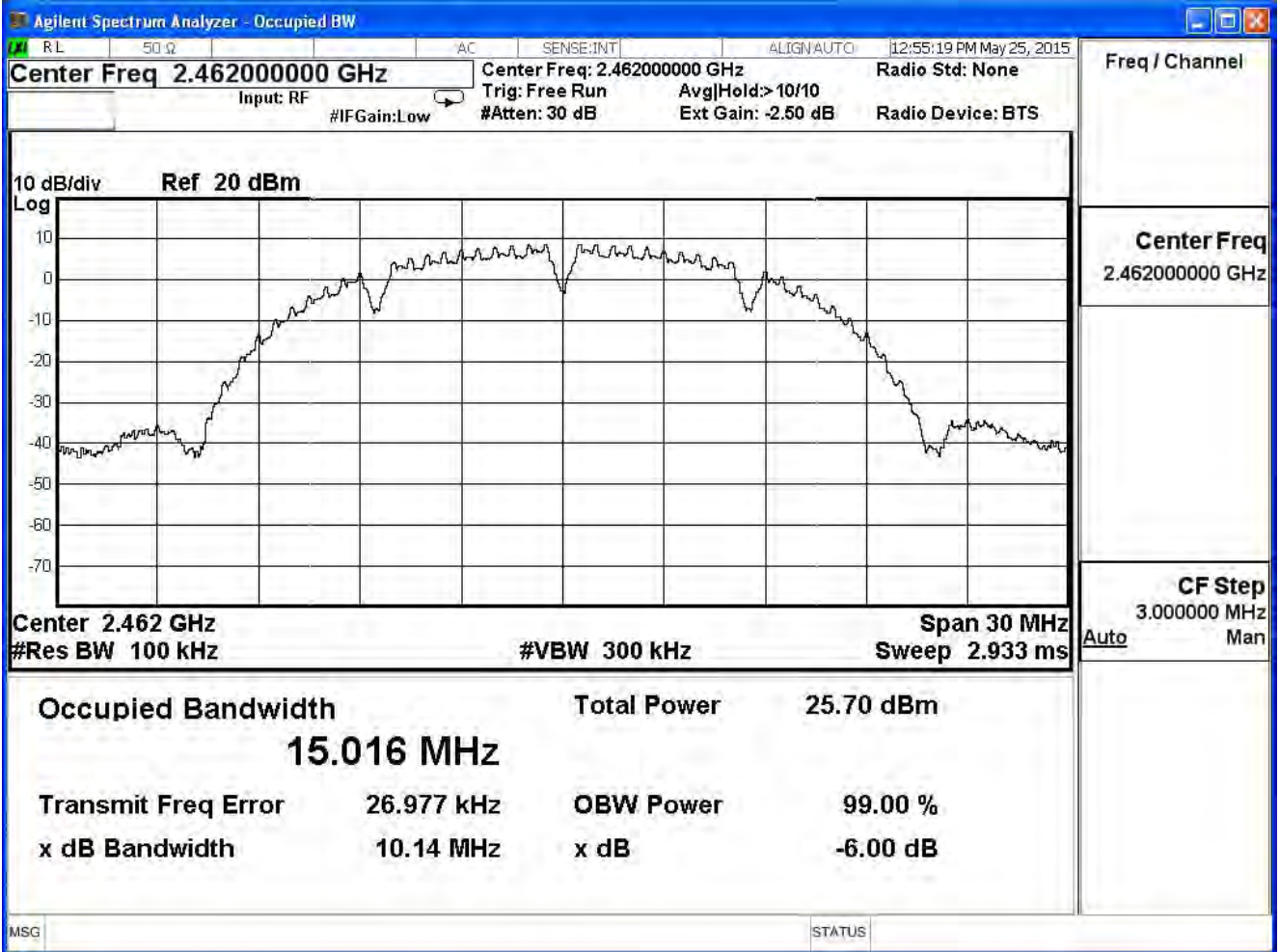


### Channel 6





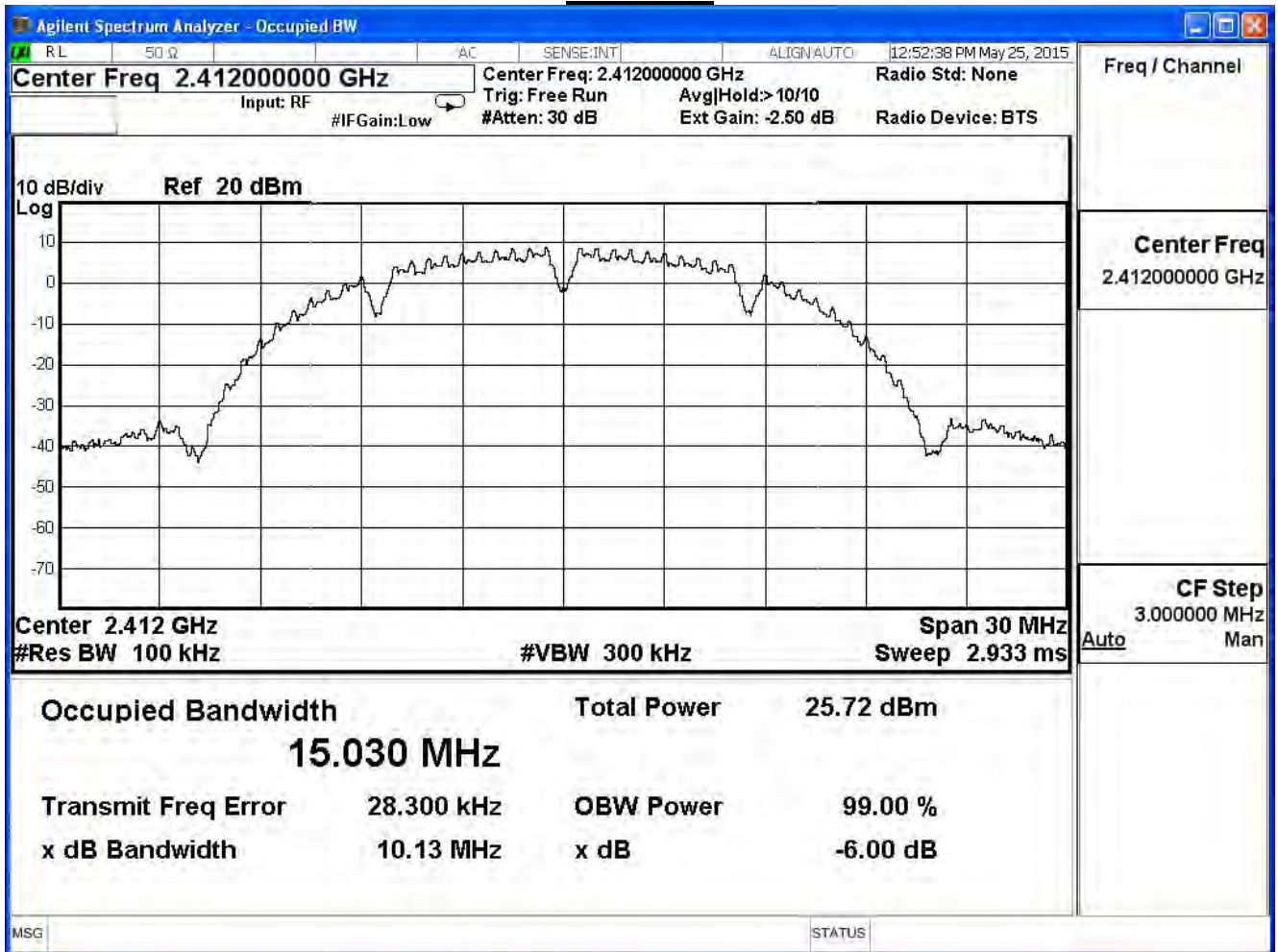
**Channel 11**



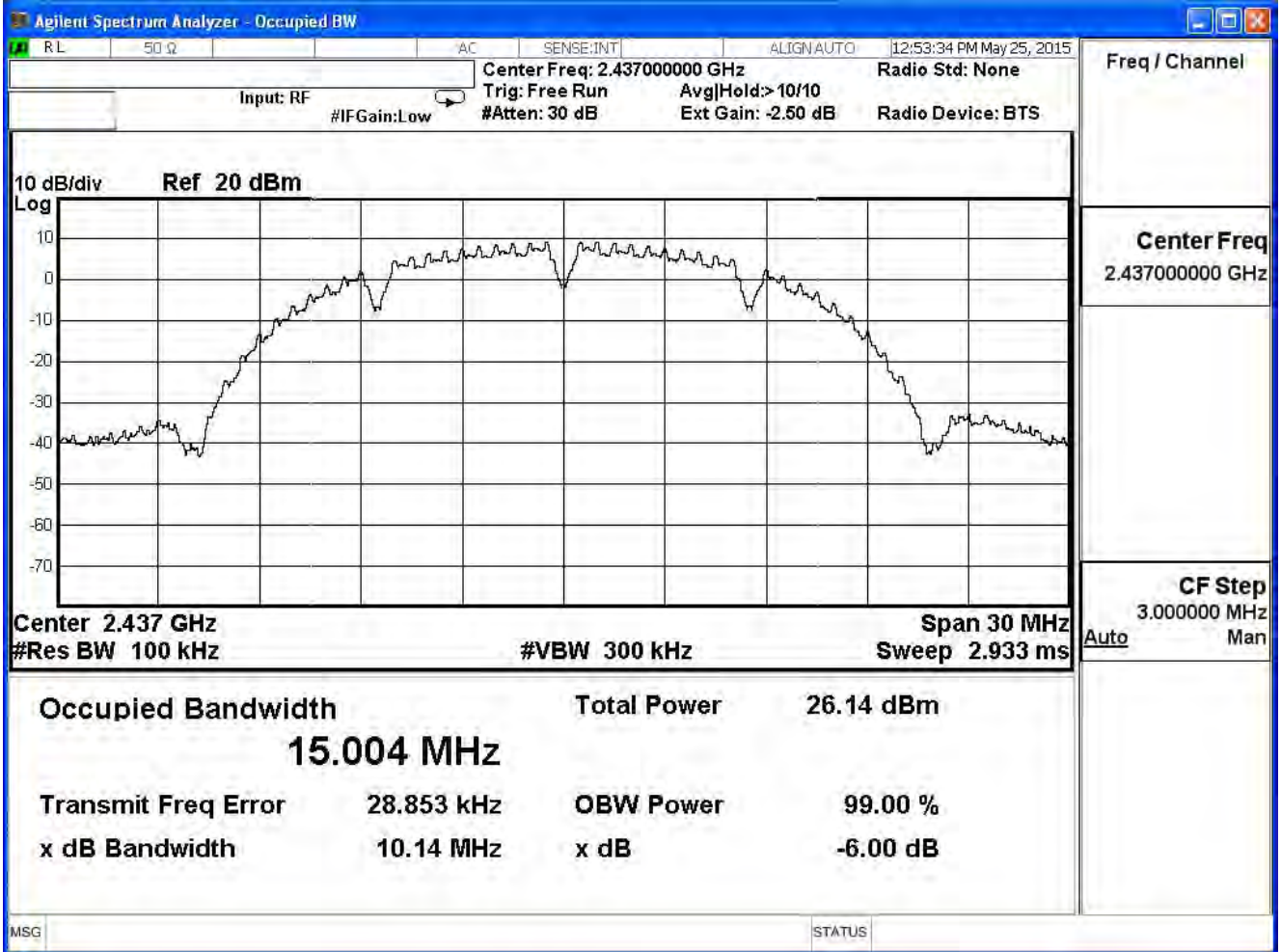
Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

802.11 b (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	10.13	$\geq 0.5$	Pass
6	2437	10.14	$\geq 0.5$	Pass
11	2462	10.14	$\geq 0.5$	Pass

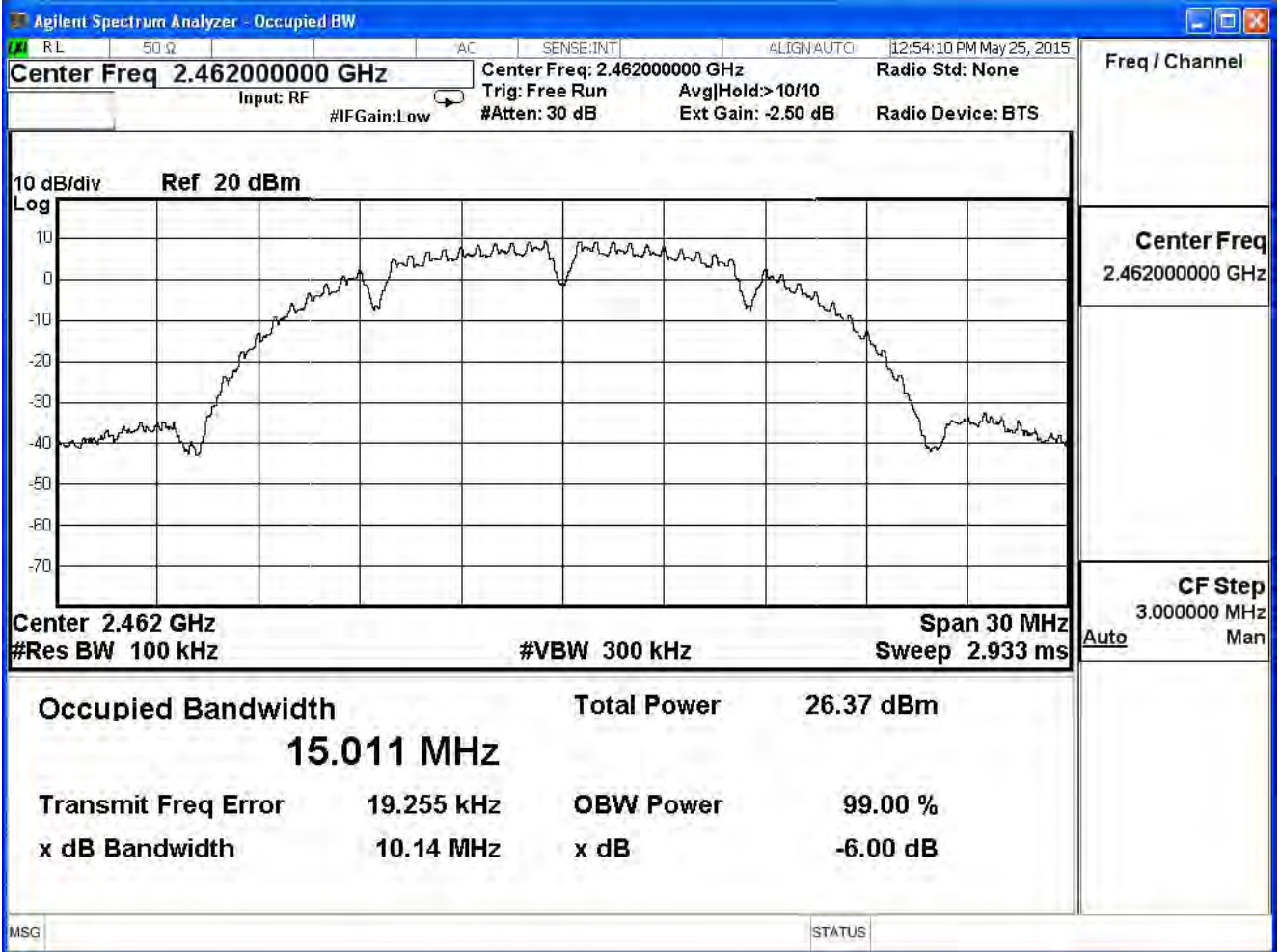
**Channel 1**



### Channel 6



**Channel 11**

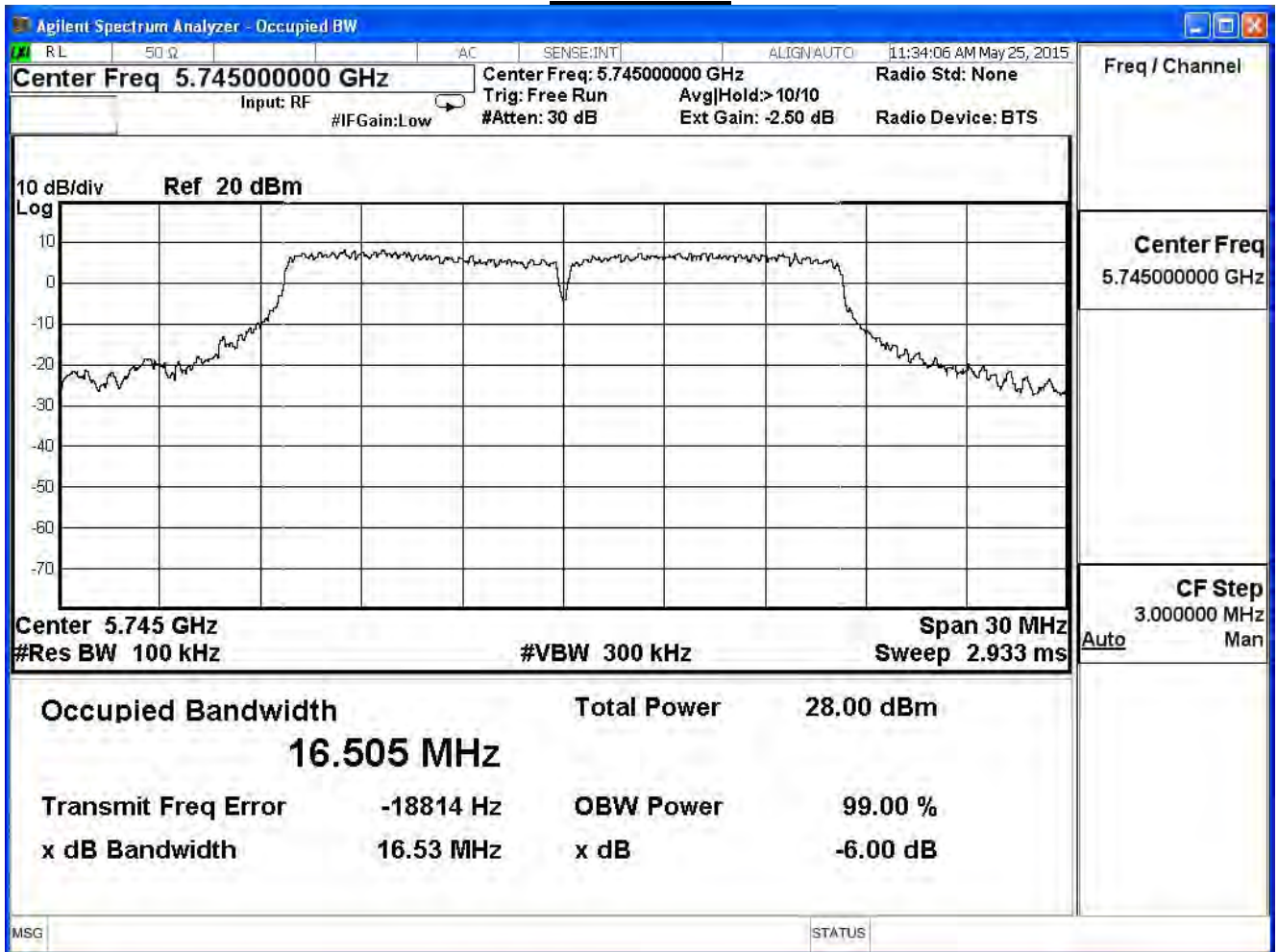




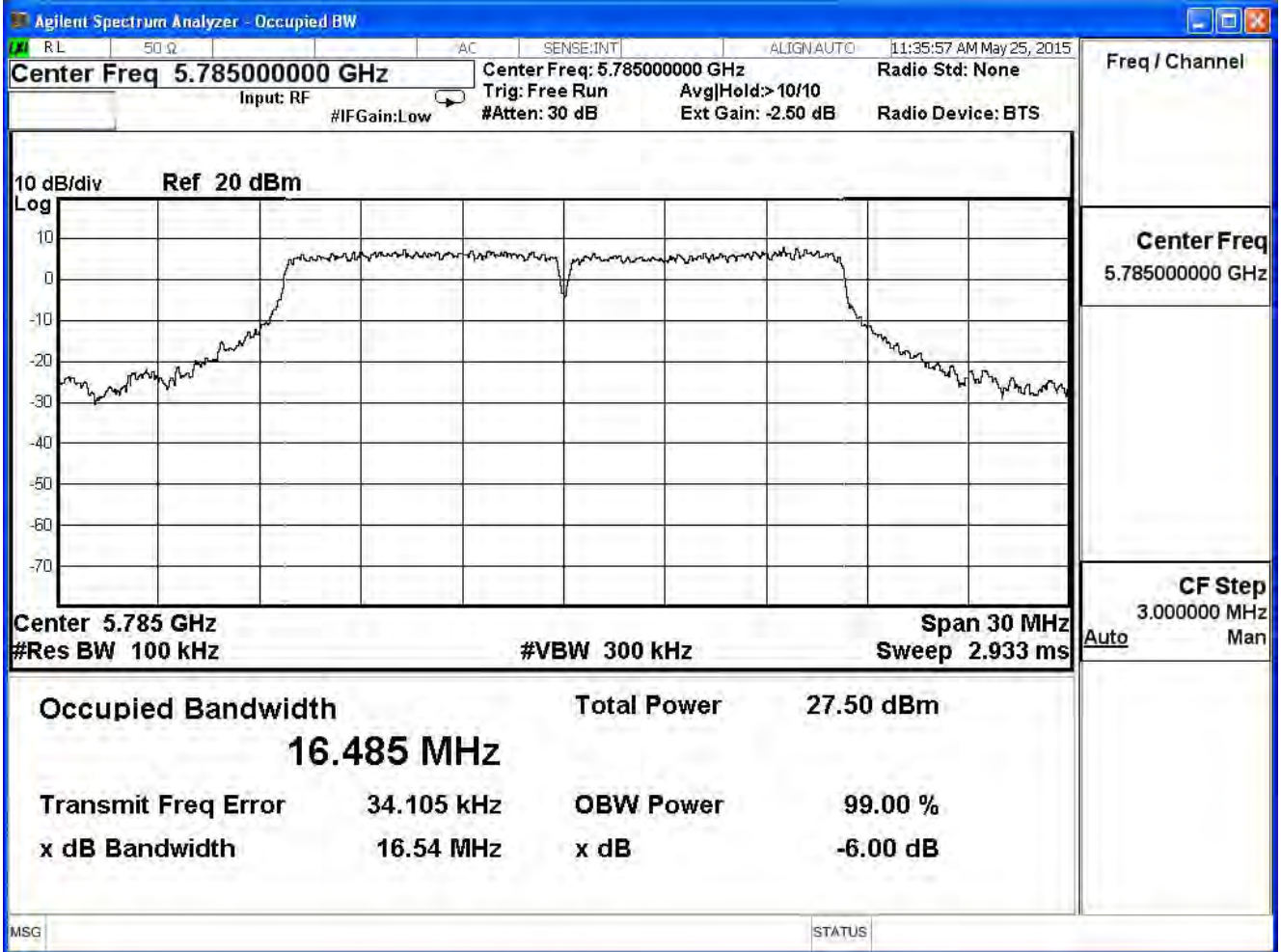
Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

802.11 a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	16.53	>0.5	Pass
157	5785	16.54	>0.5	Pass
165	5825	16.52	>0.5	Pass

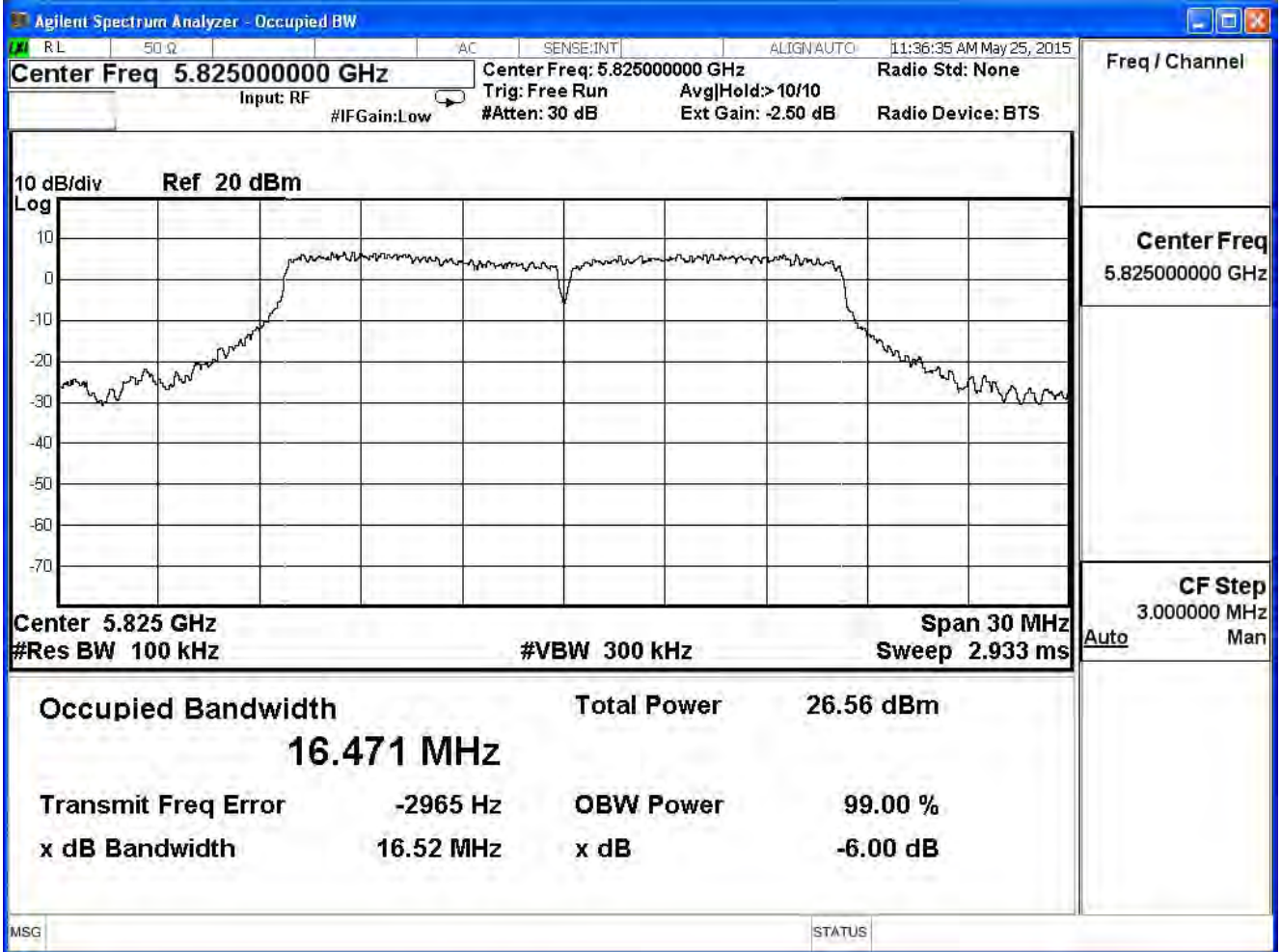
**Channel 149**



### Channel 157



### Channel 165



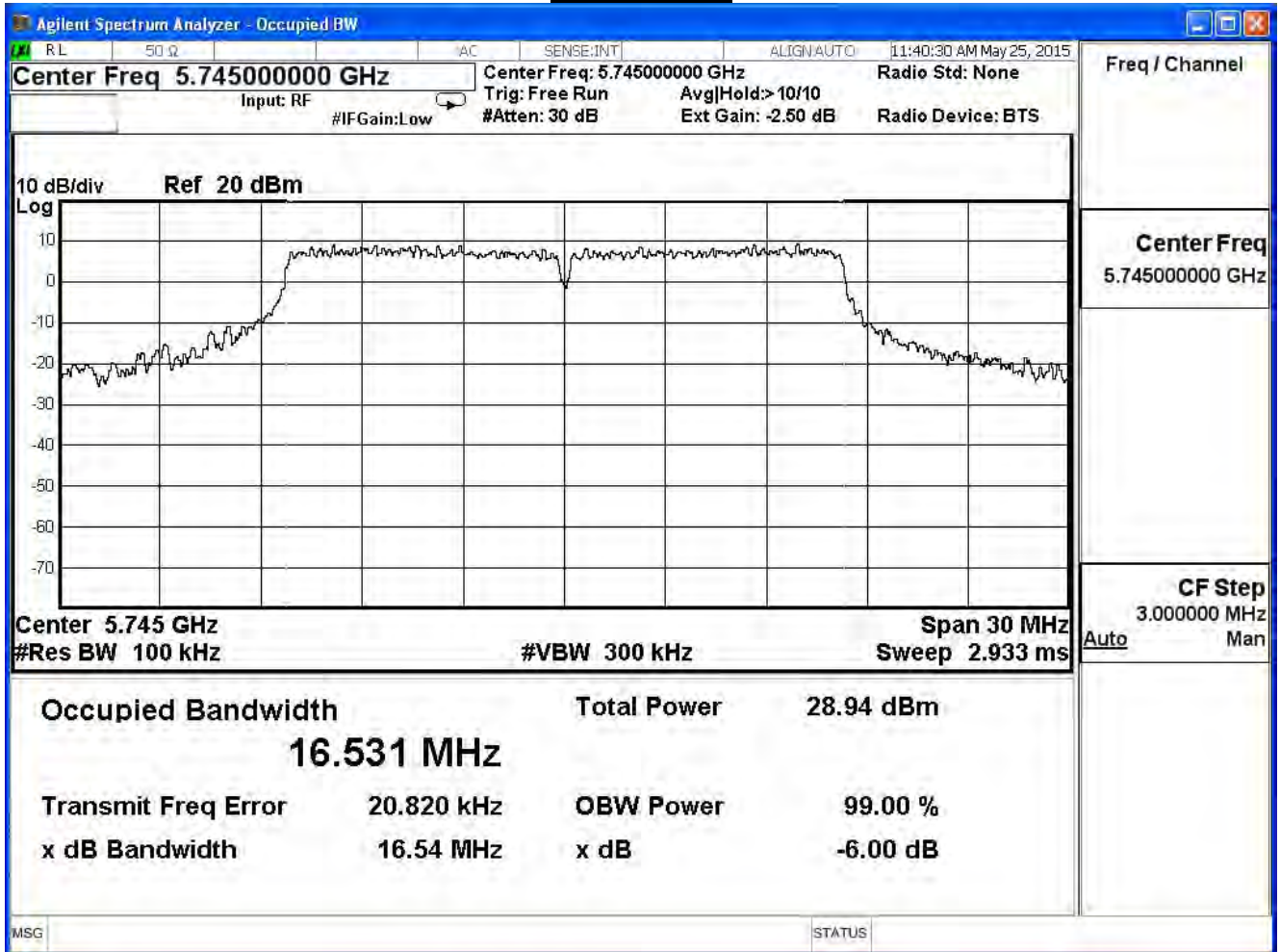


Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

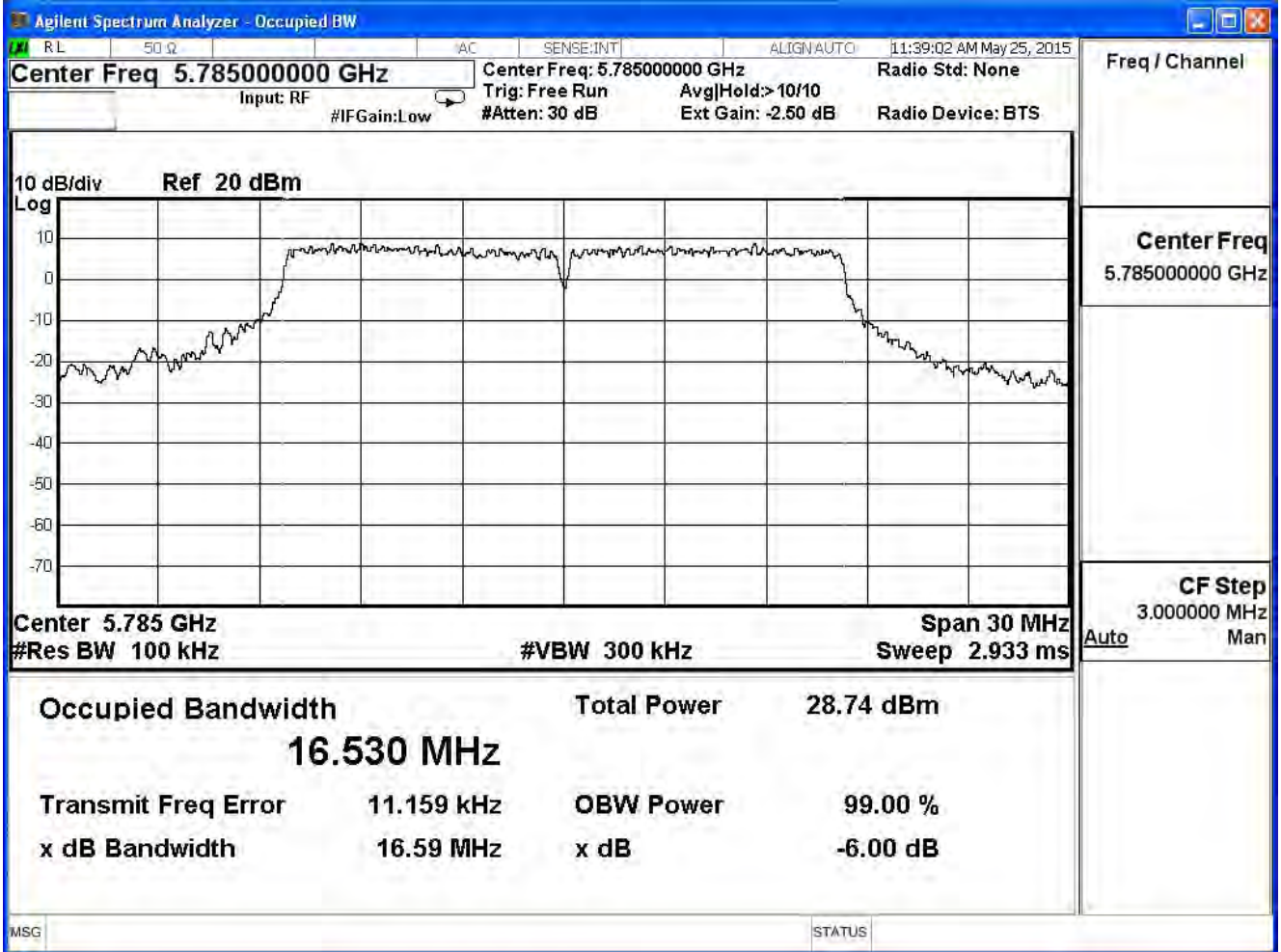
802.11 a (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	16.54	>0.5	Pass
157	5785	16.59	>0.5	Pass
165	5825	16.47	>0.5	Pass

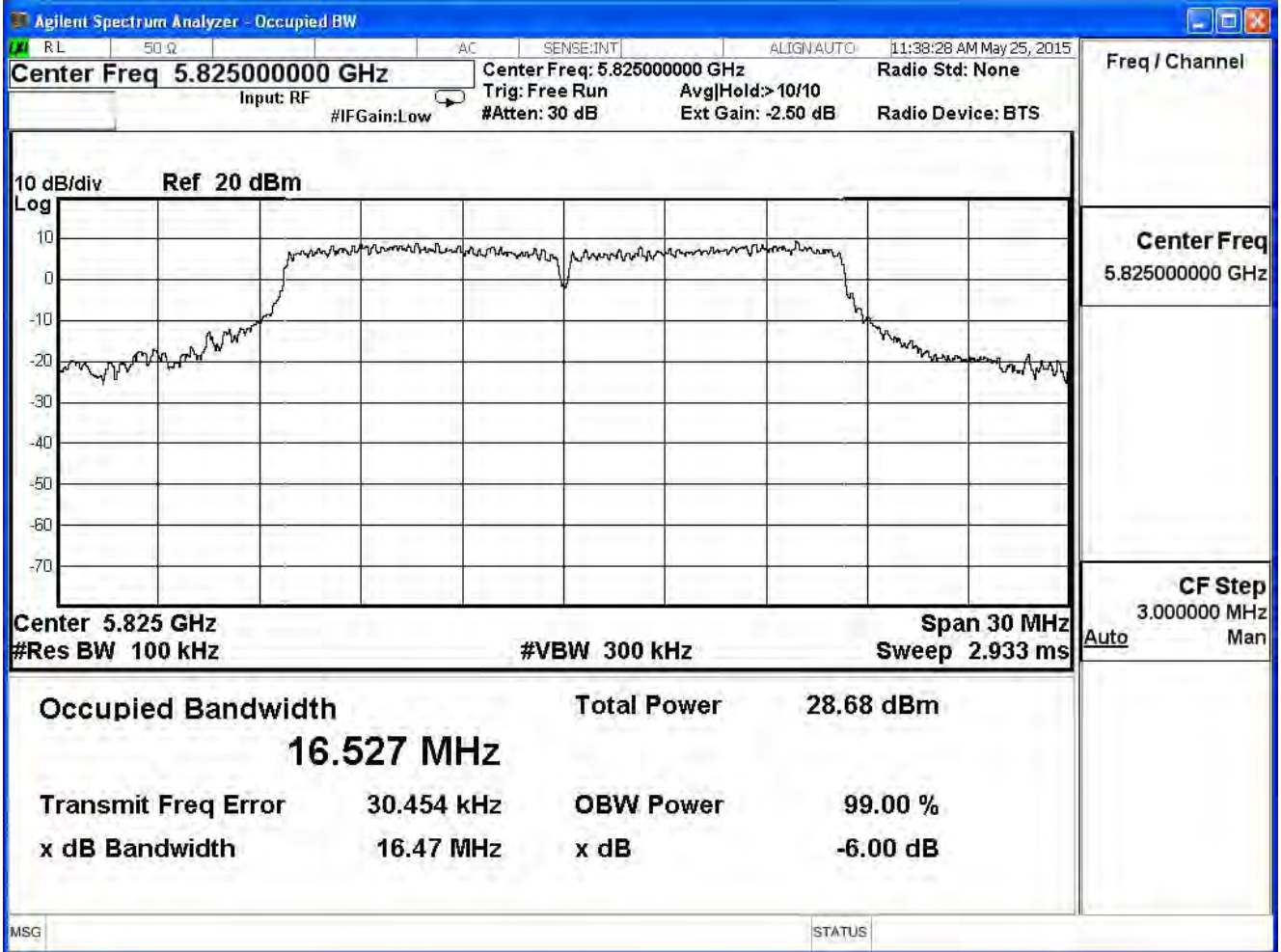
**Channel 149**



### Channel 157



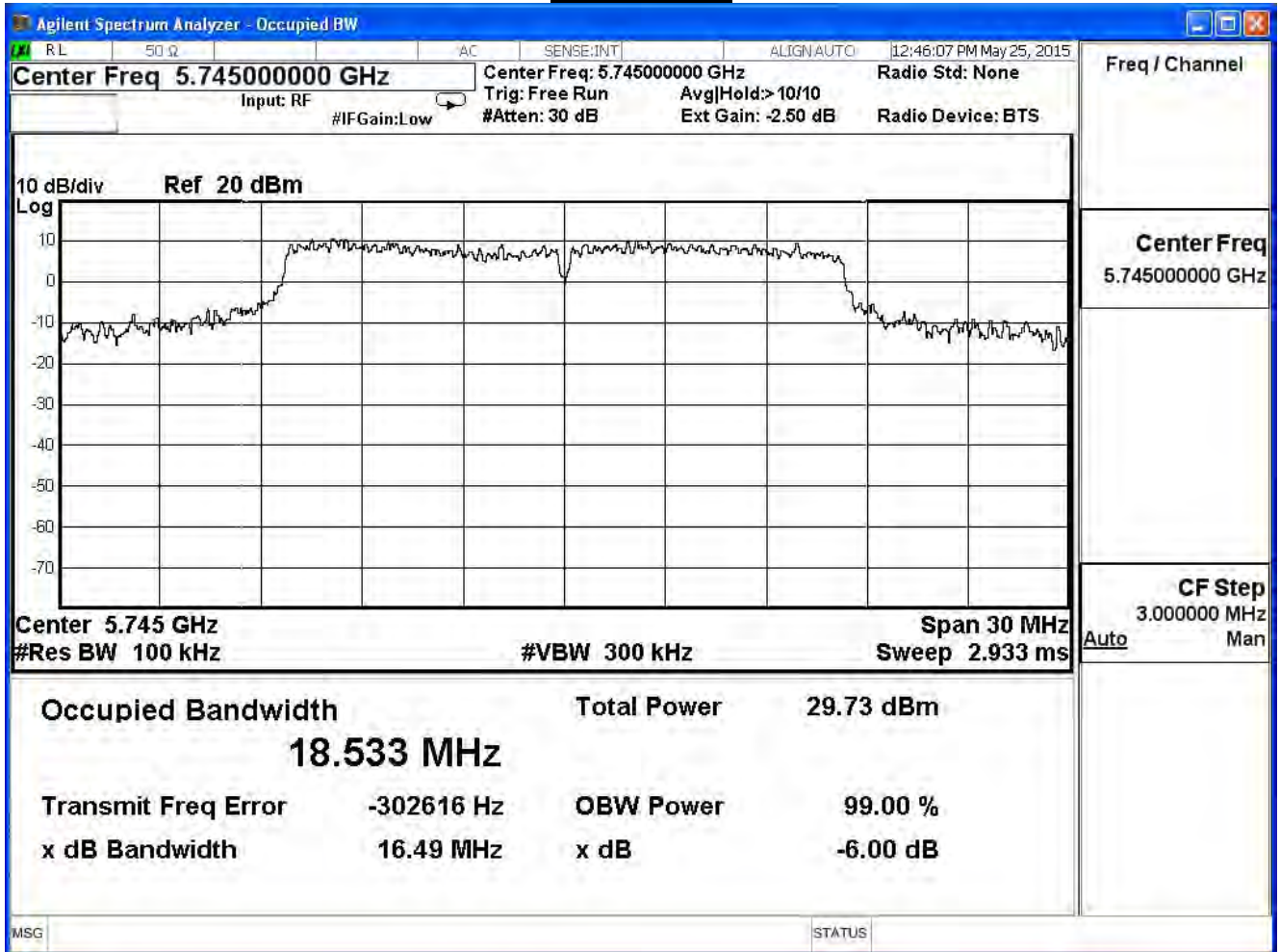
### Channel 165



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

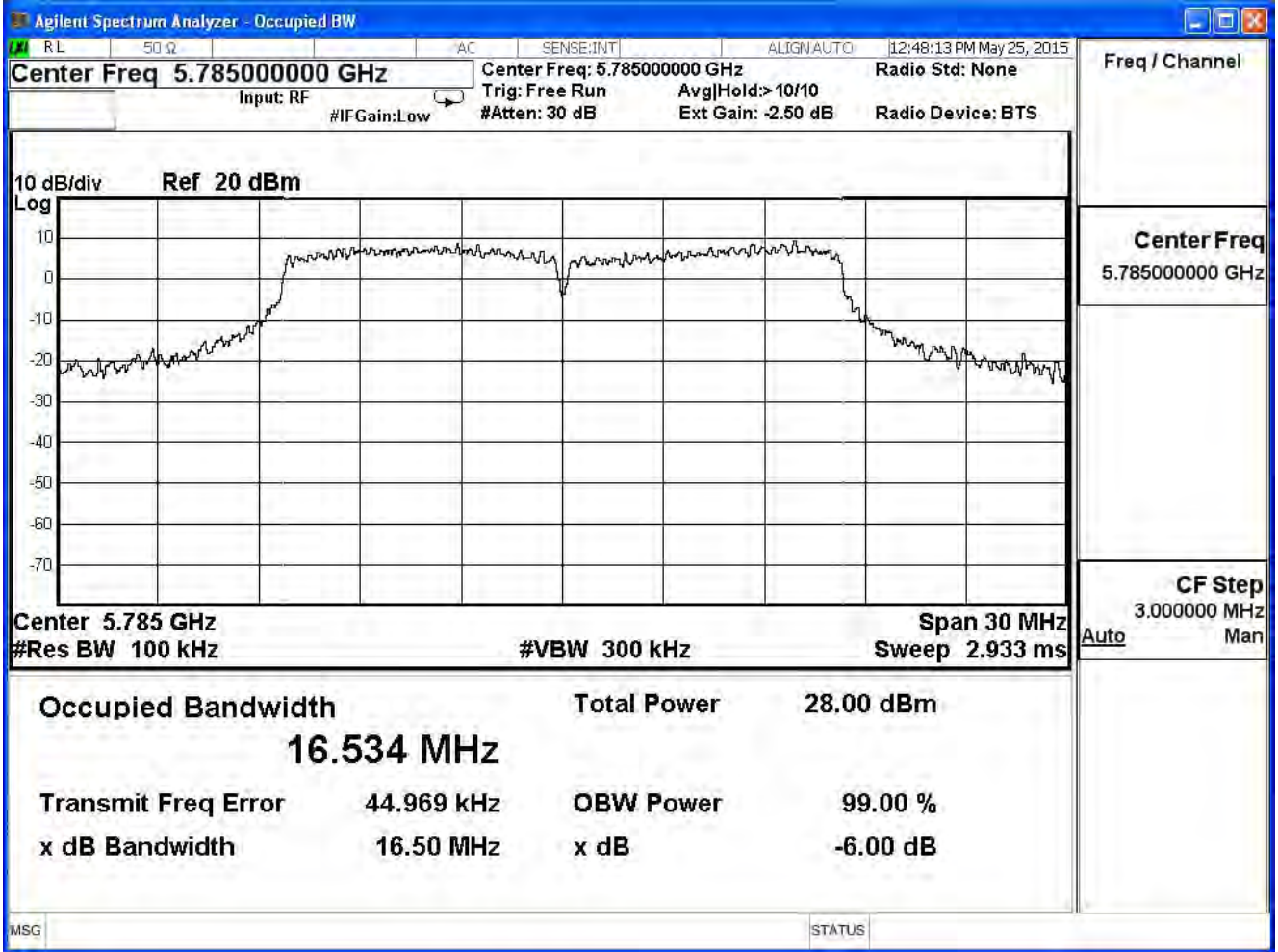
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	16.49	>0.5	Pass
157	5785	16.50	>0.5	Pass
165	5825	16.52	>0.5	Pass

**Channel 149**

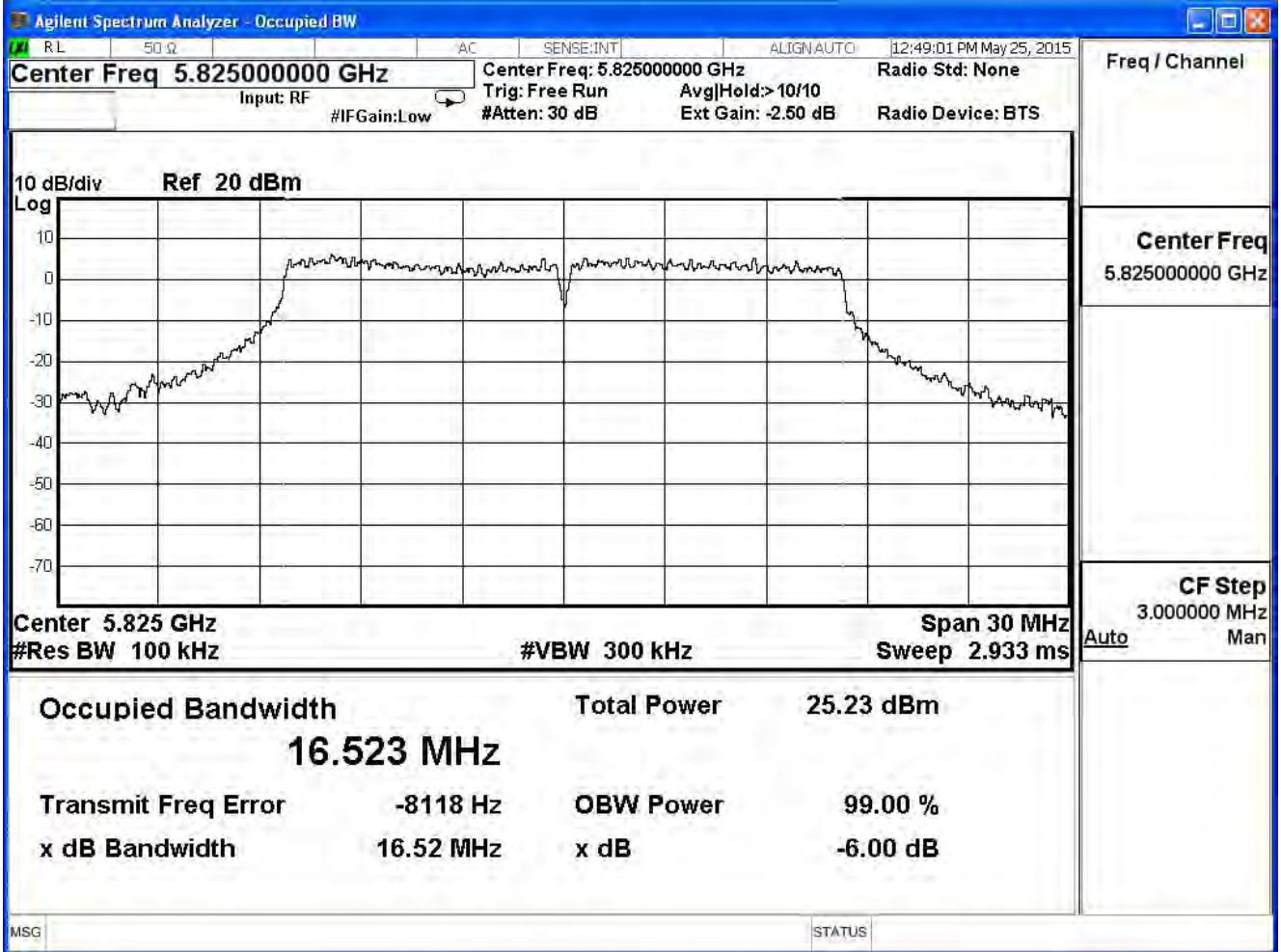




### Channel 157



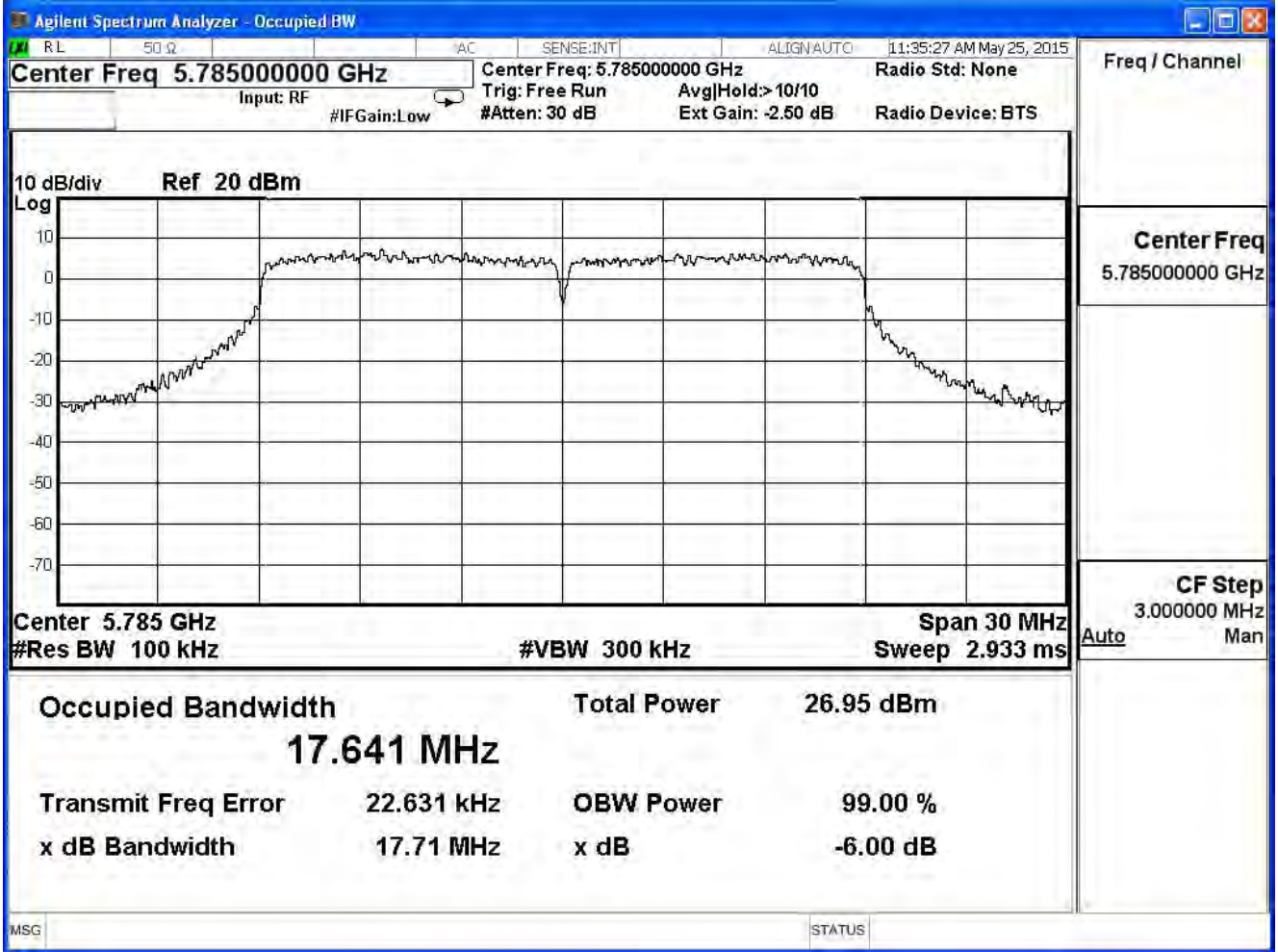
### Channel 165



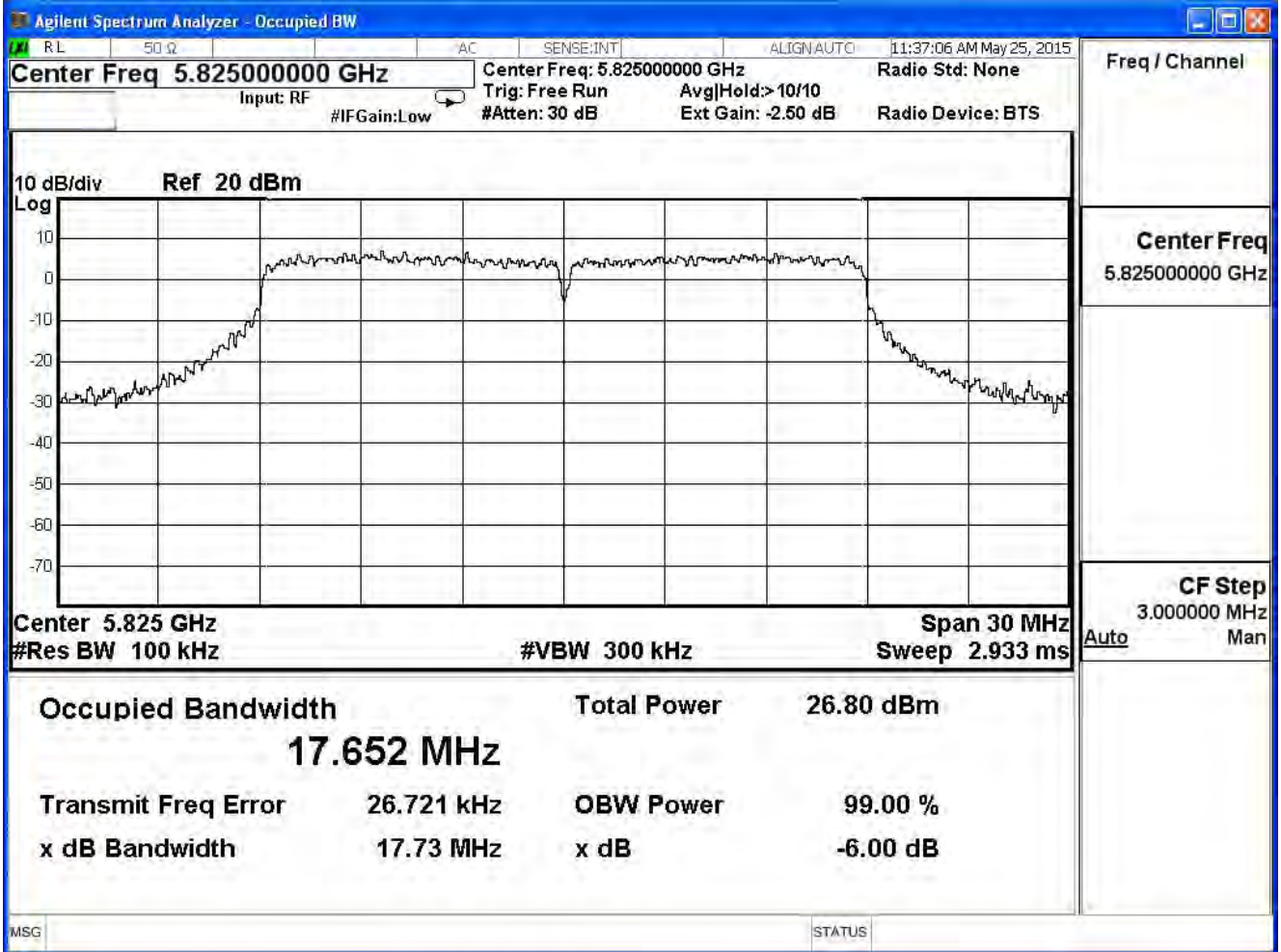




### Channel 157



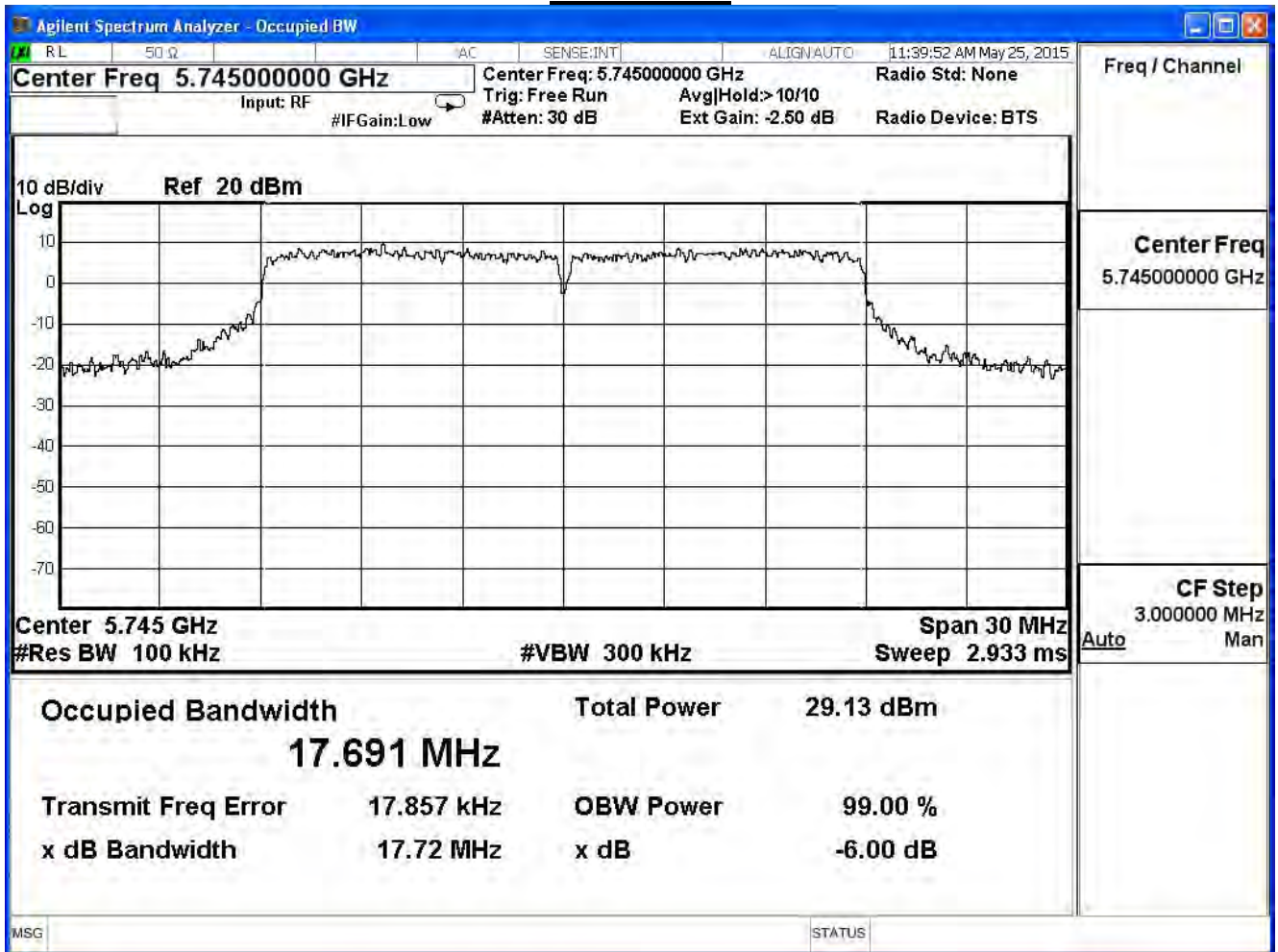
### Channel 165



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

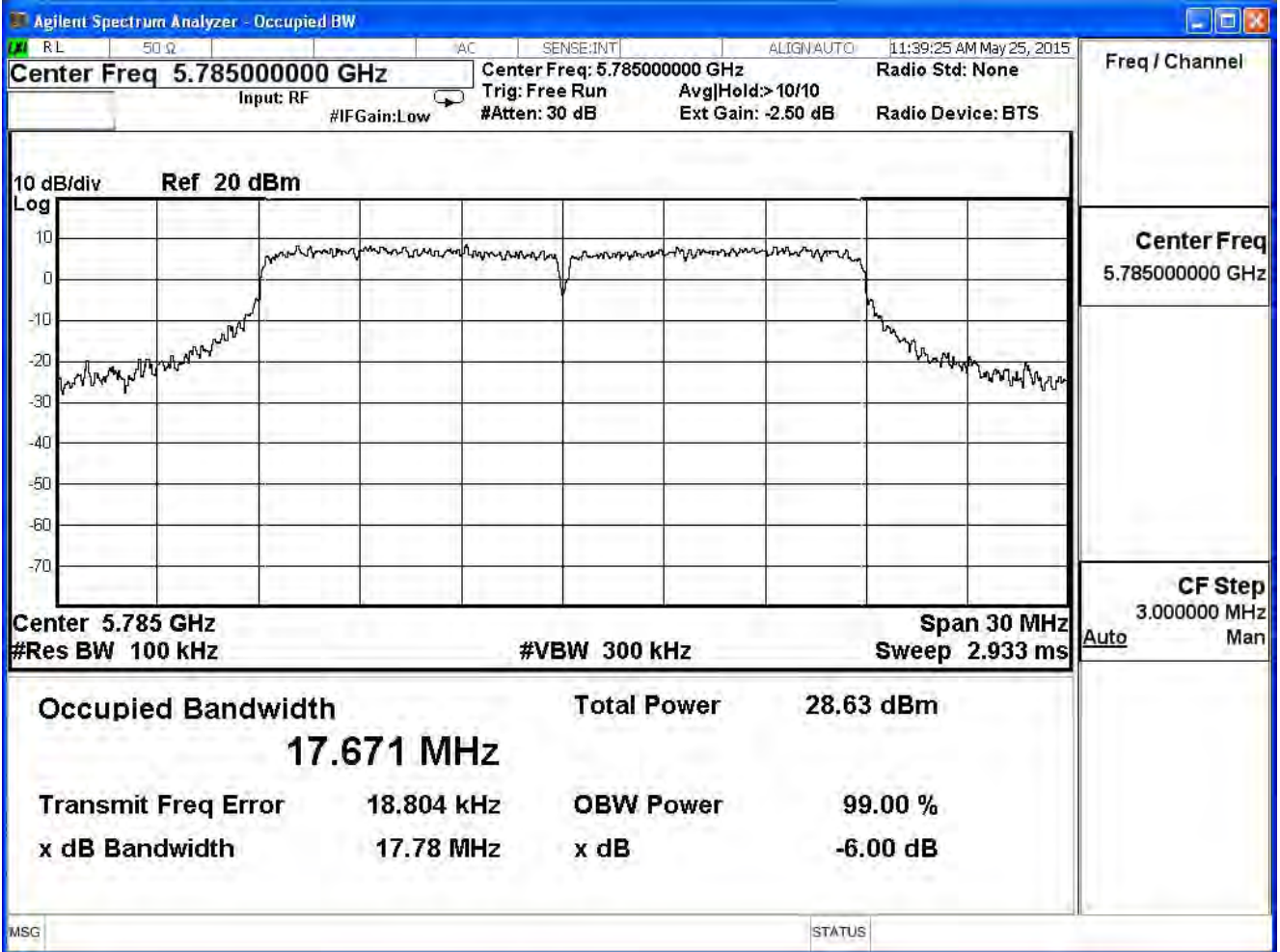
IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	17.72	>0.5	Pass
157	5785	17.78	>0.5	Pass
165	5825	17.80	>0.5	Pass

**Channel 149**

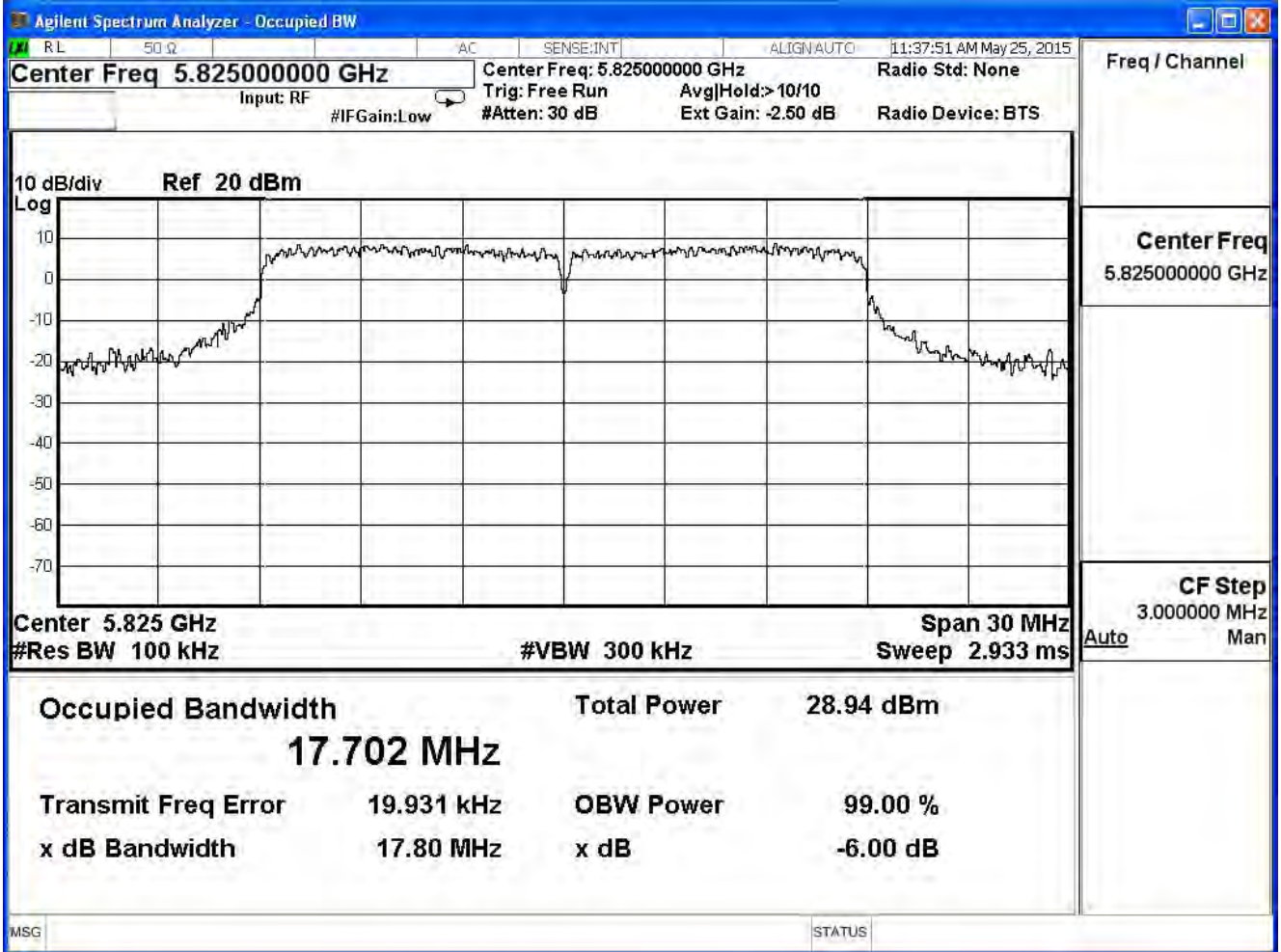




### Channel 157



### Channel 165

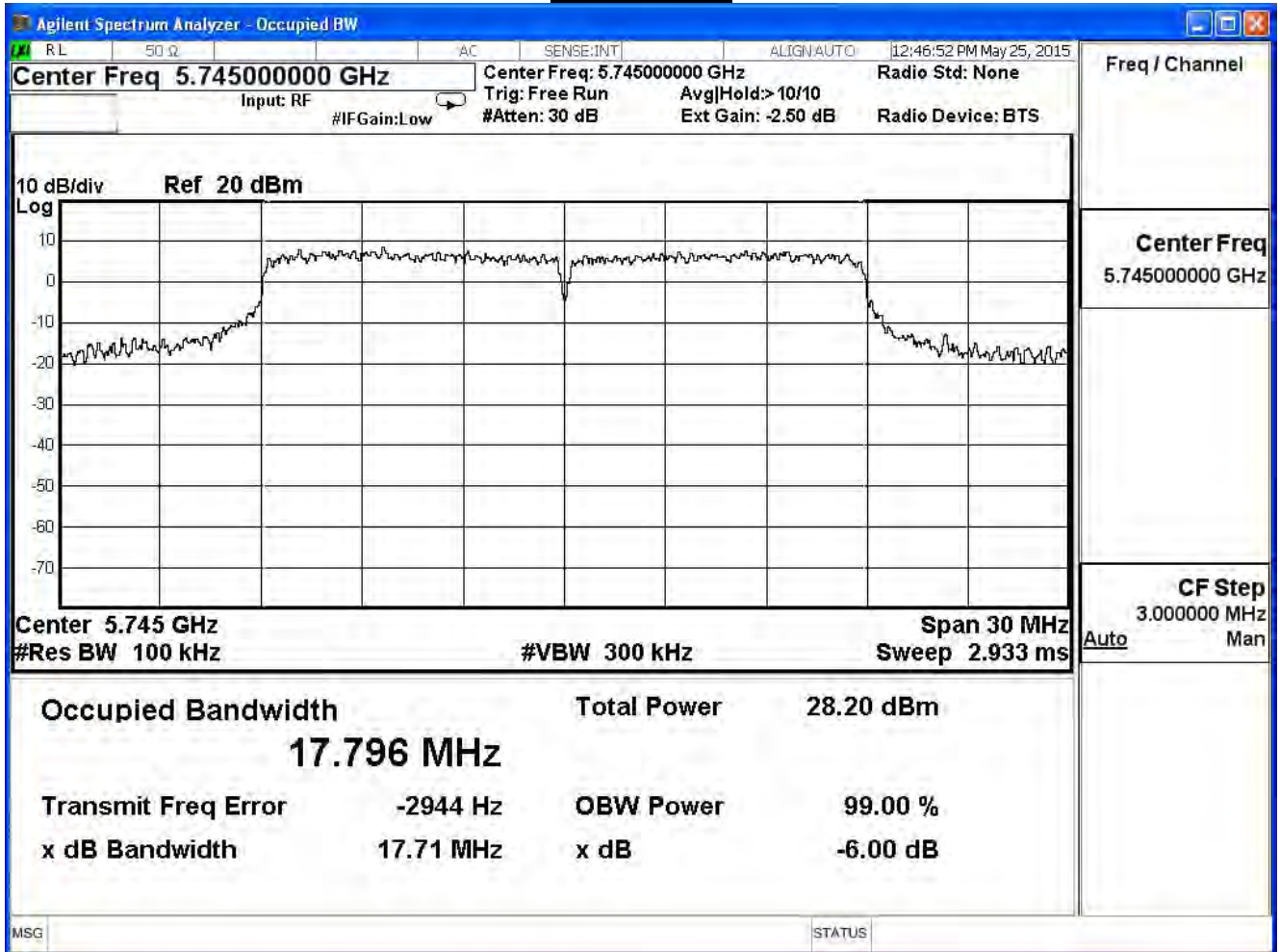




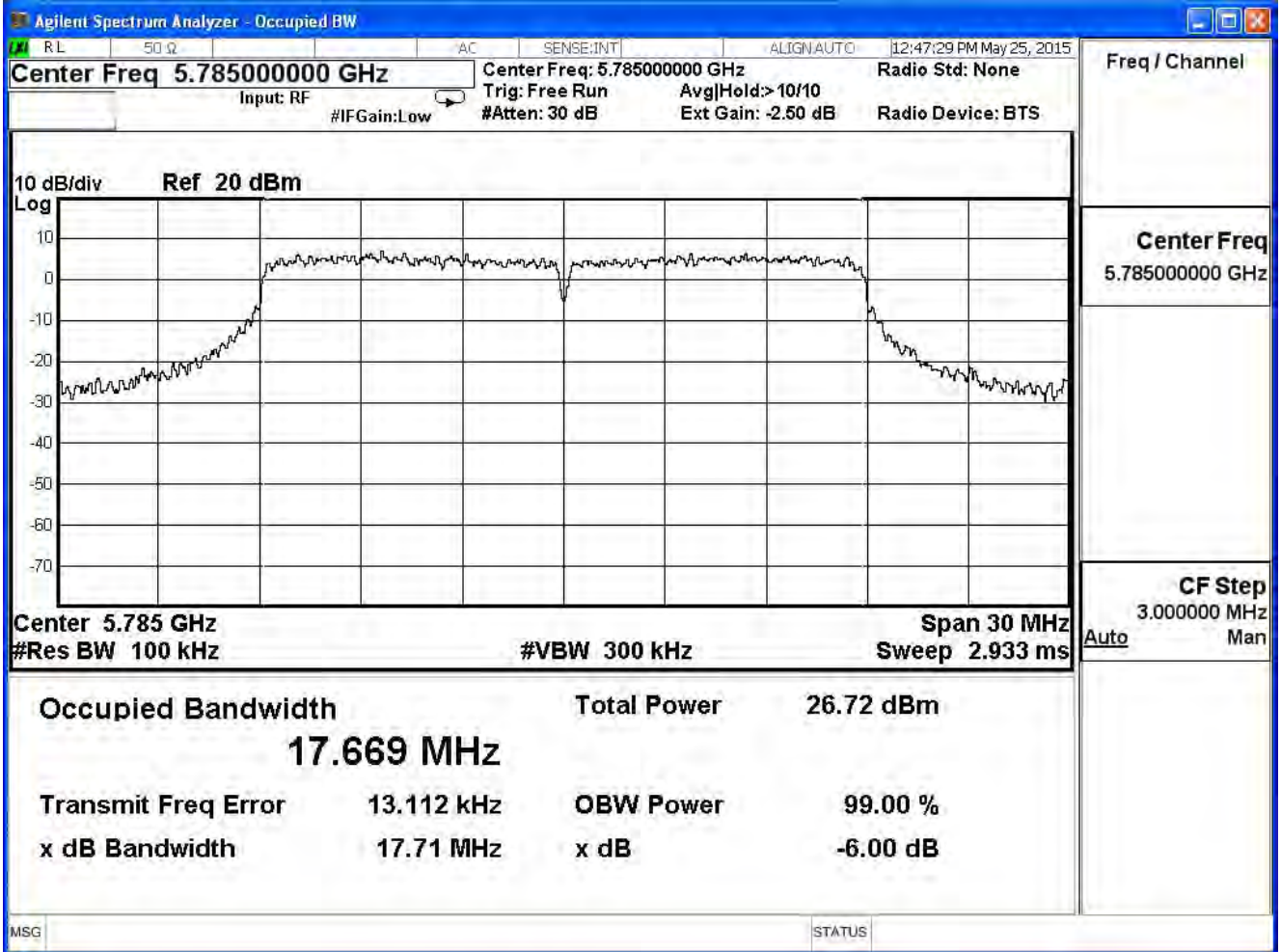
Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	17.71	>0.5	Pass
157	5785	17.71	>0.5	Pass
165	5825	17.76	>0.5	Pass

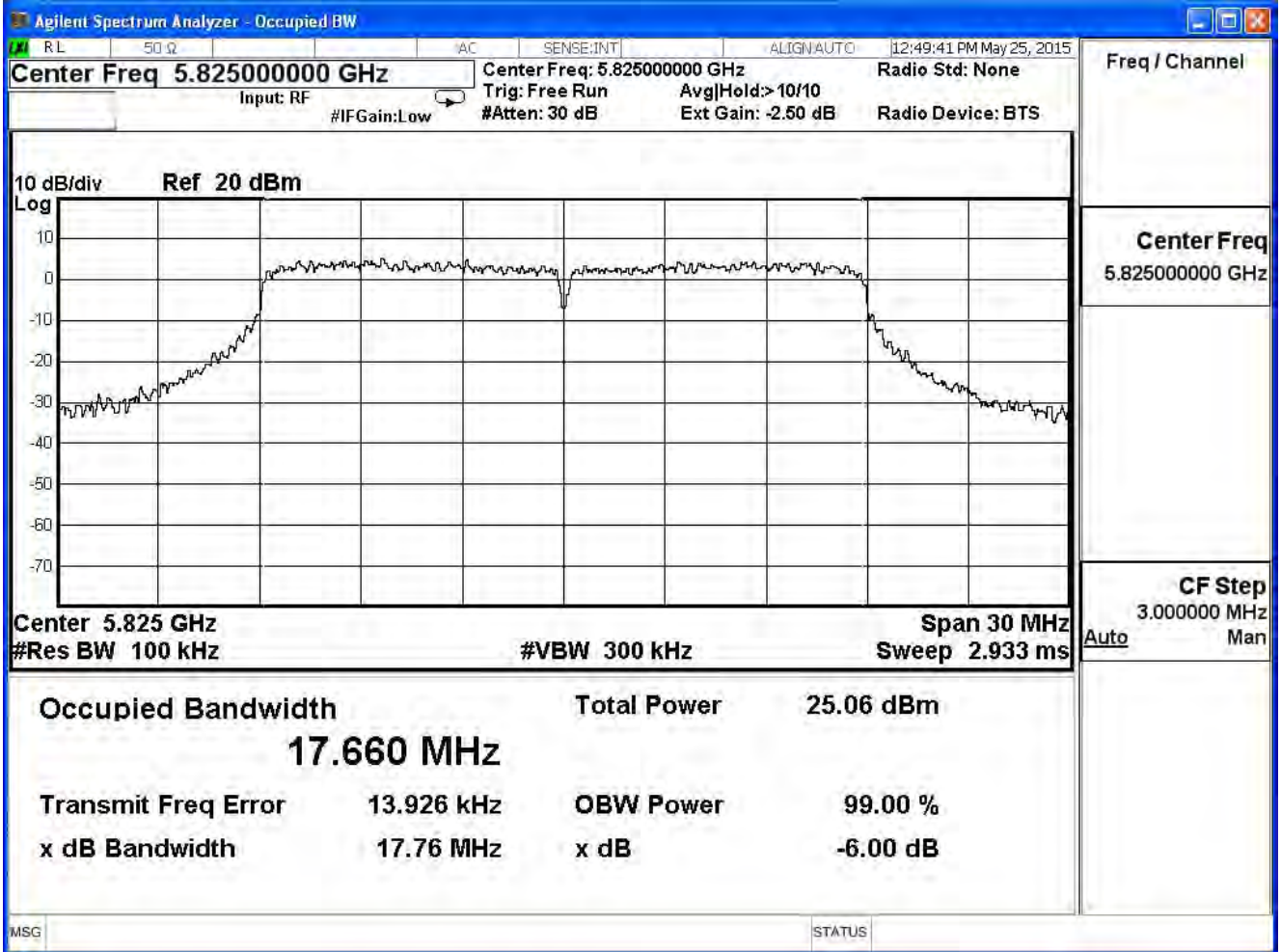
**Channel 149**



### Channel 157



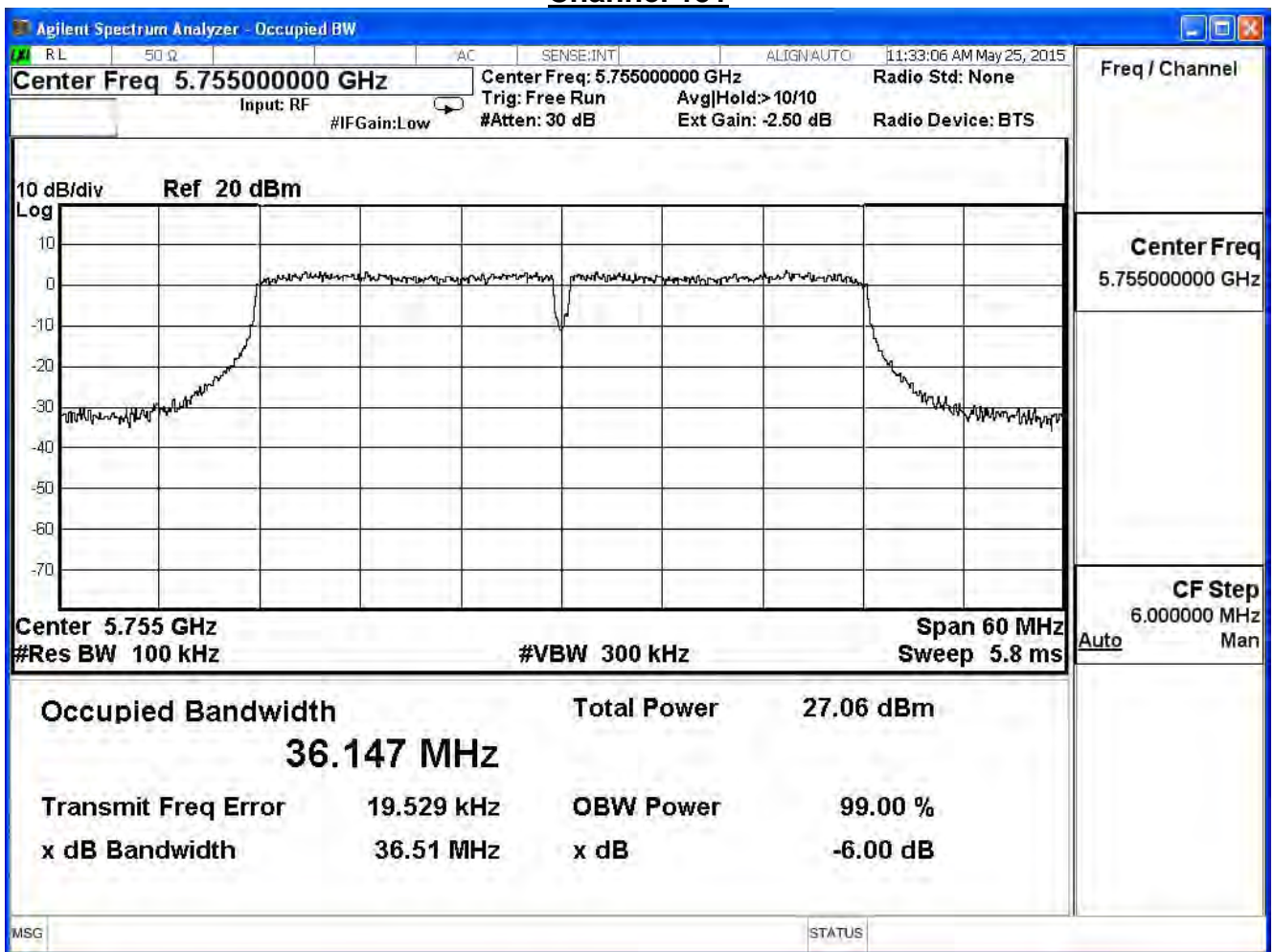
### Channel 165



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

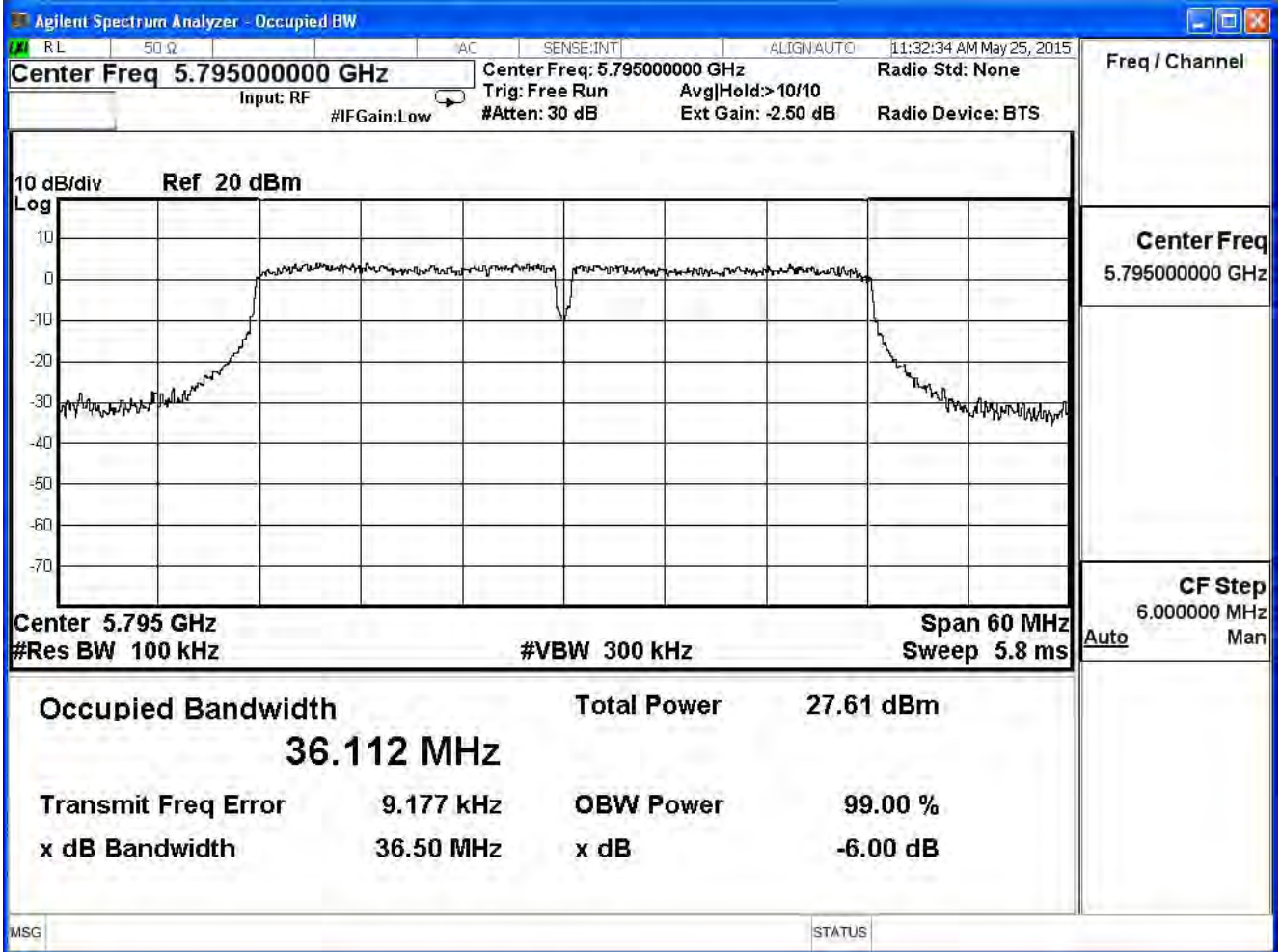
IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.51	>0.5	Pass
159	5795	36.50	>0.5	Pass

**Channel 151**





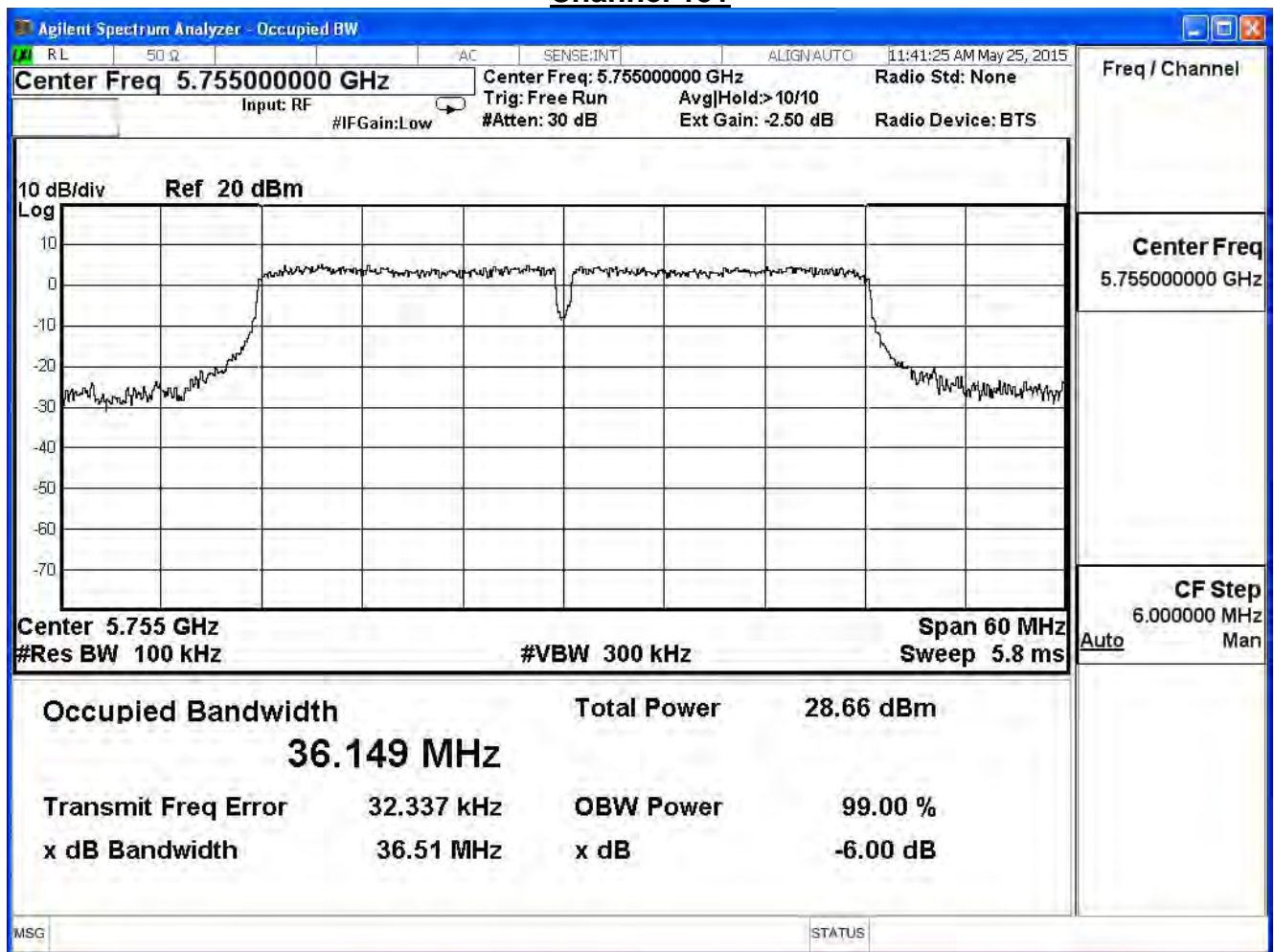
### Channel 159



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

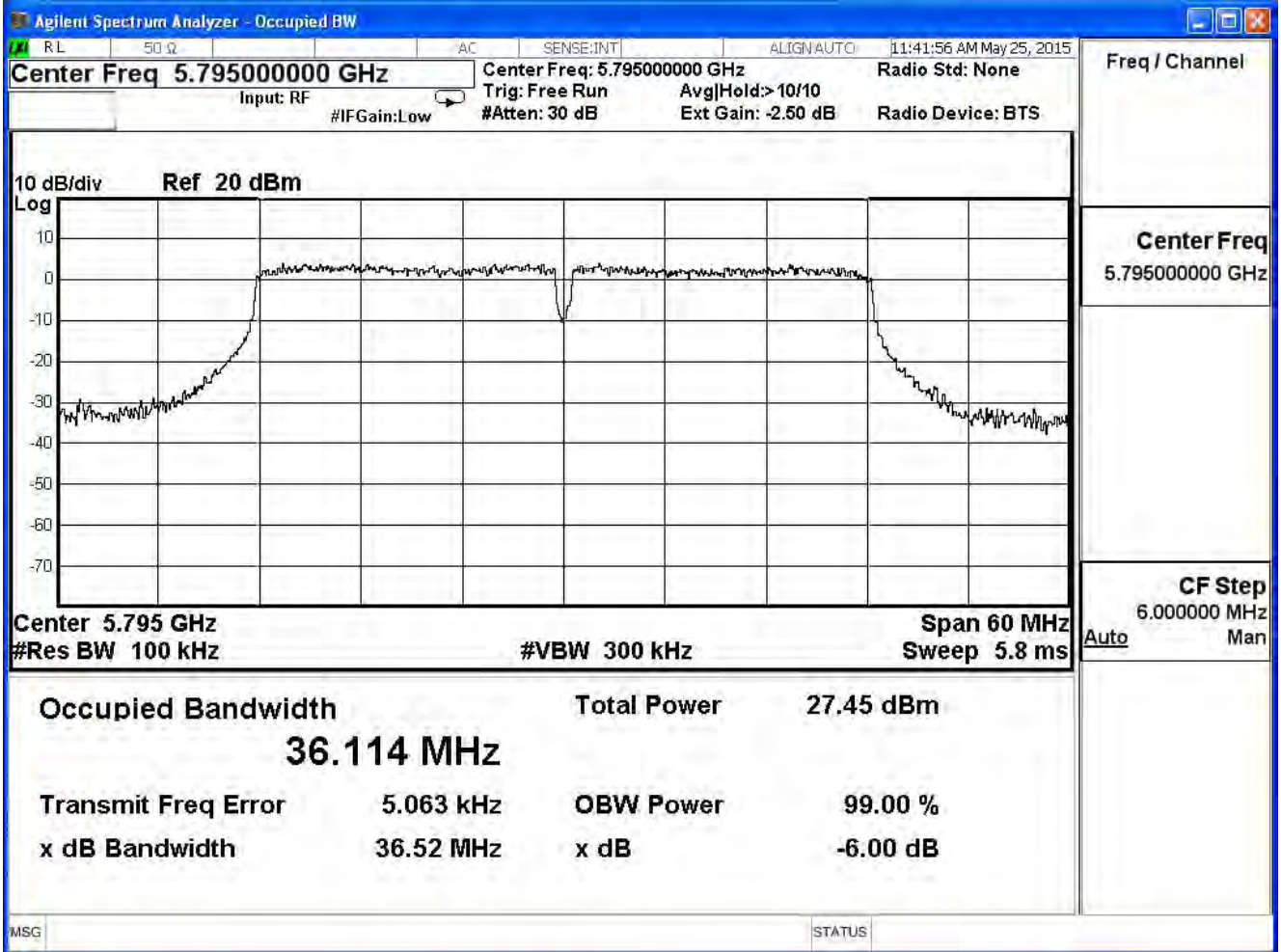
IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.51	>0.5	Pass
159	5795	36.52	>0.5	Pass

**Channel 151**





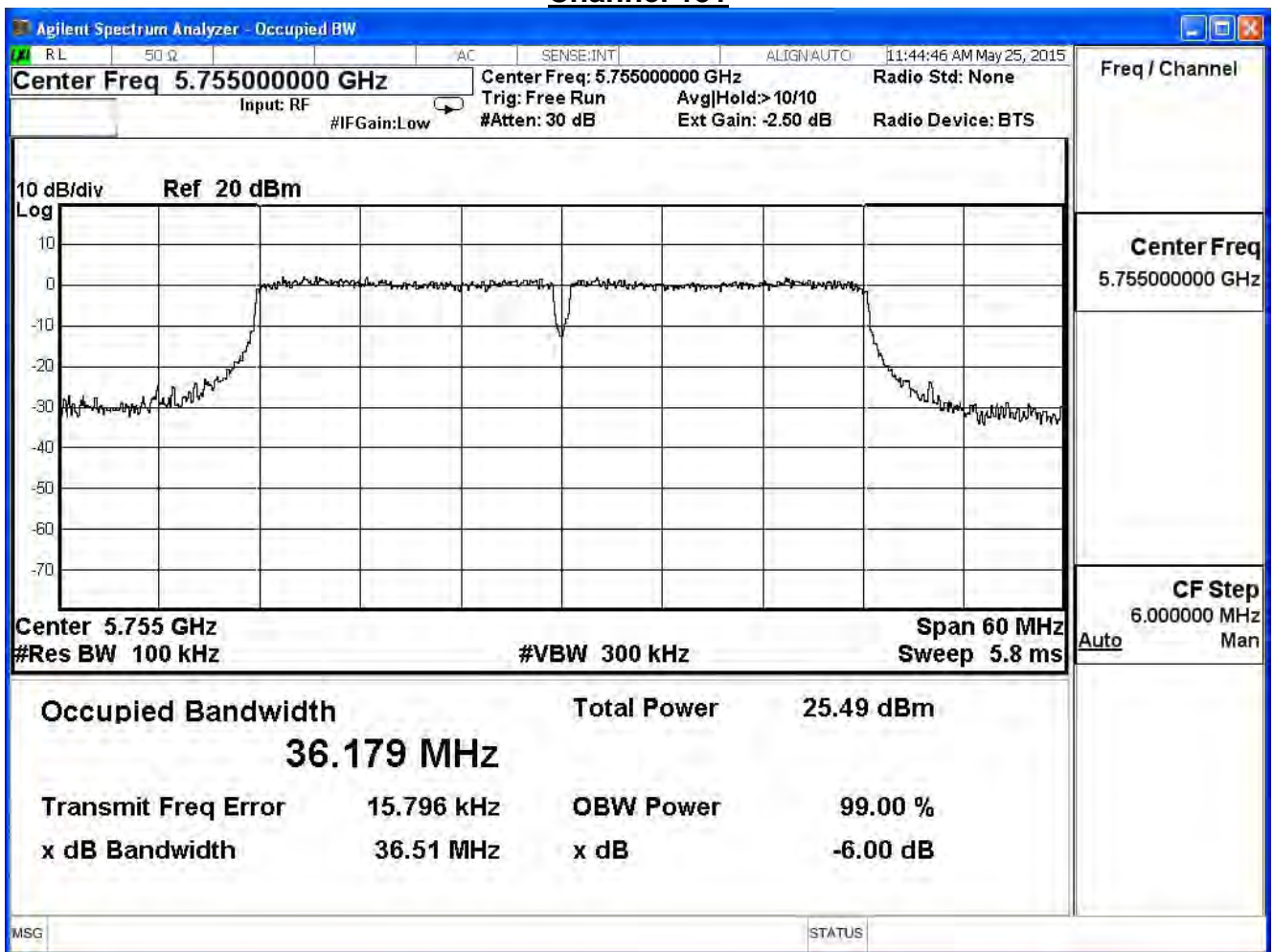
### Channel 159



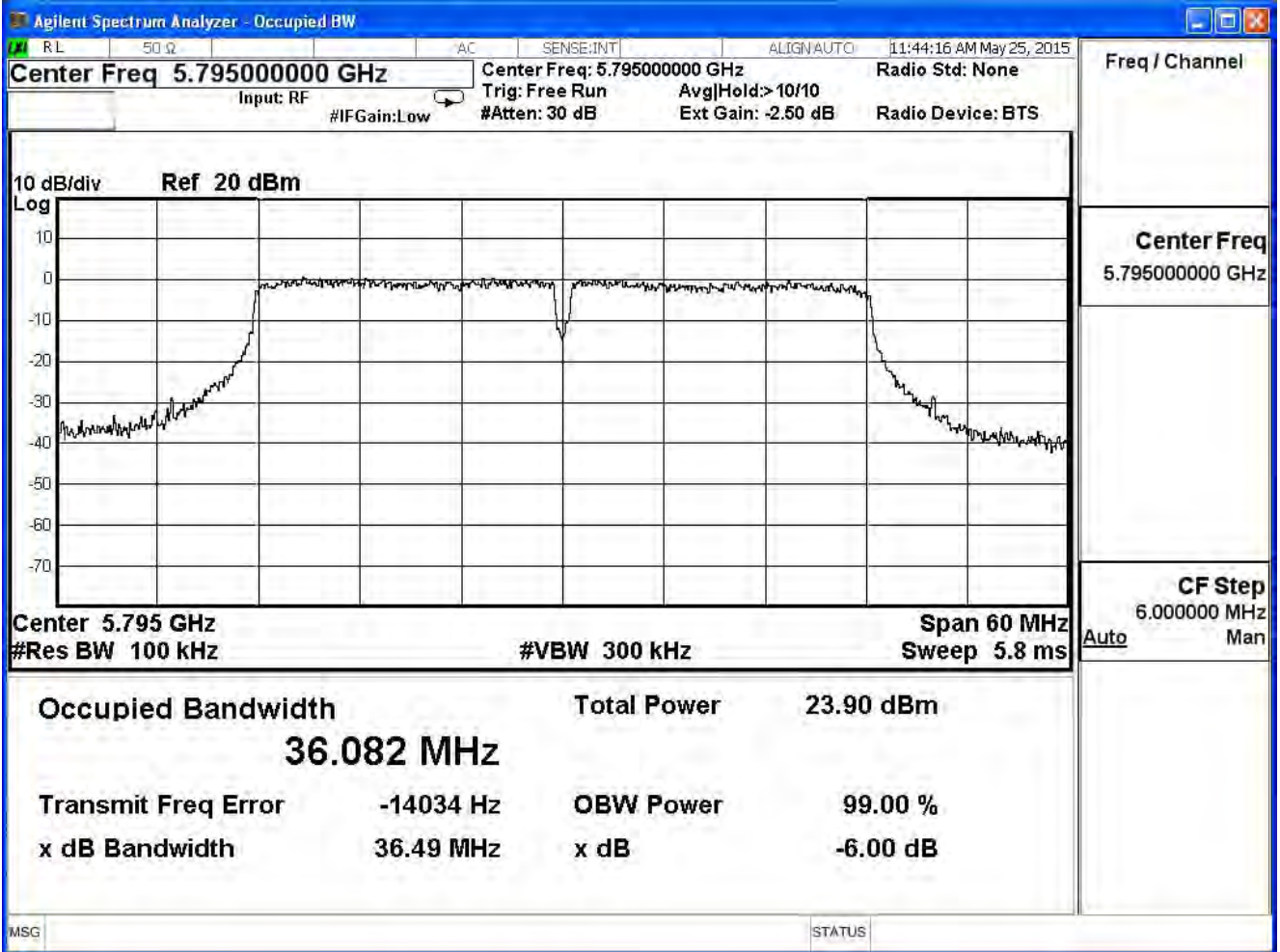
Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

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**



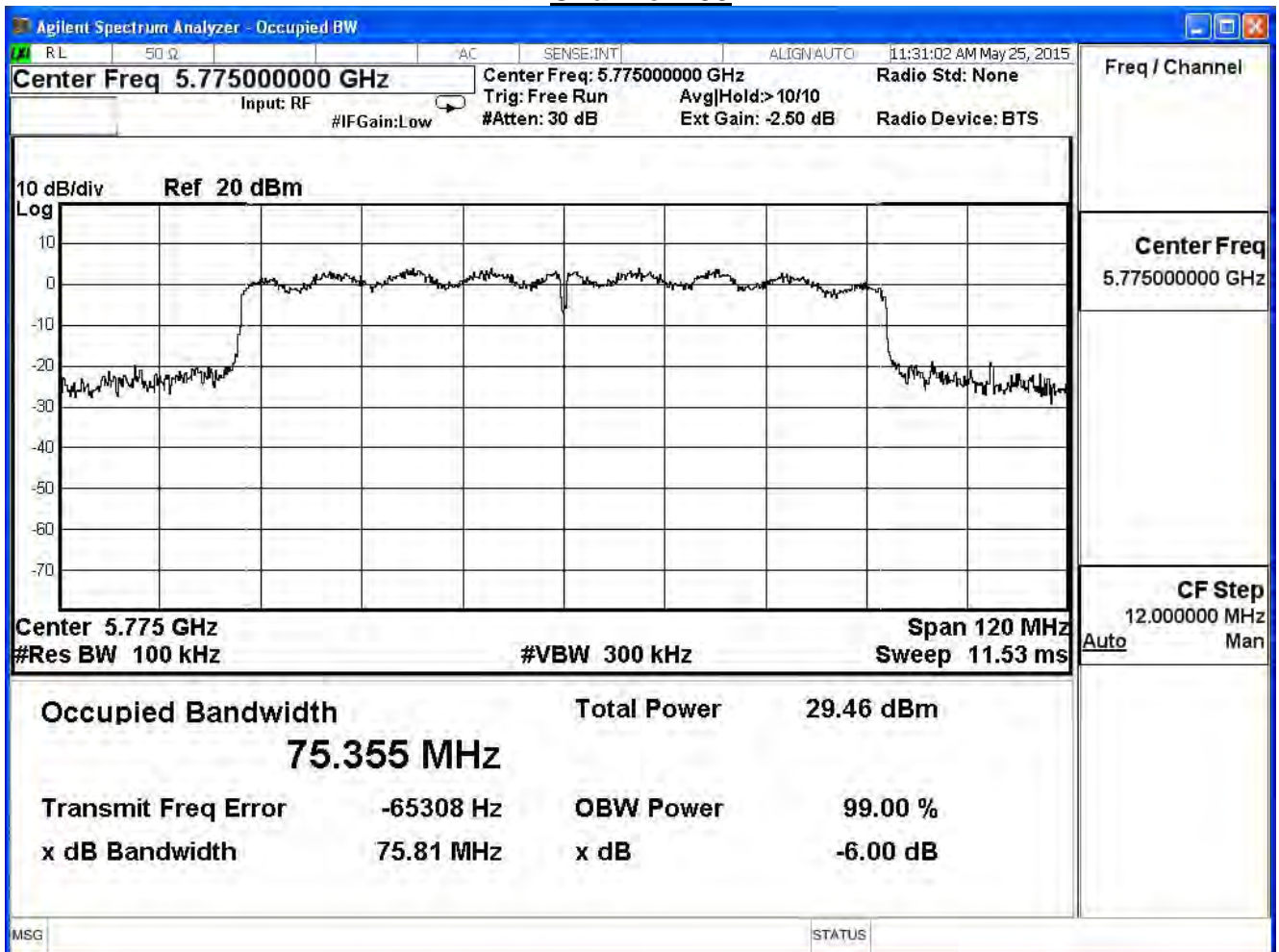
### Channel 159



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

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	75.81	>0.5	Pass

**Channel 155**

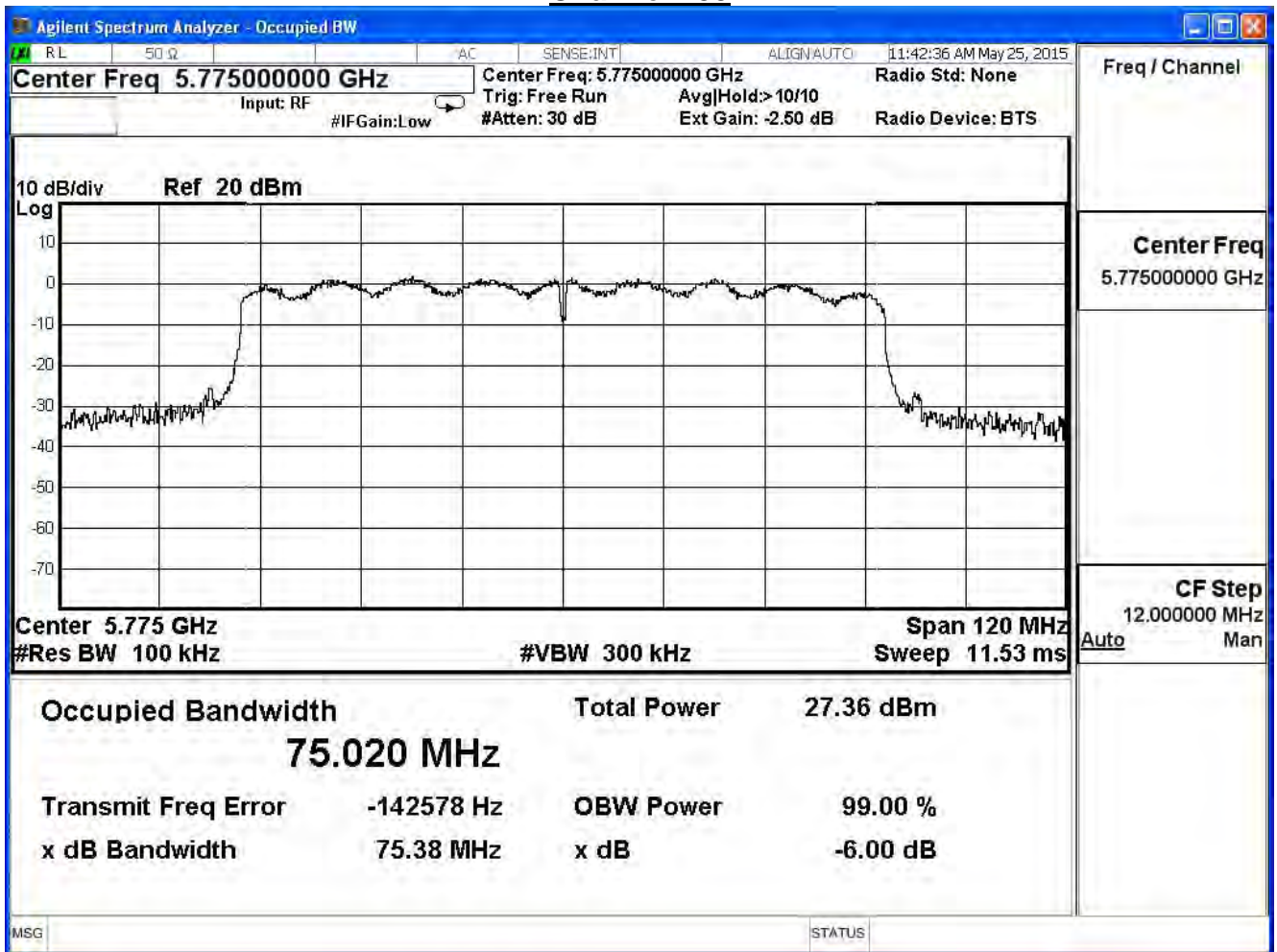




Product	Dual-band Wireless Range Extender		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	75.38	>0.5	Pass

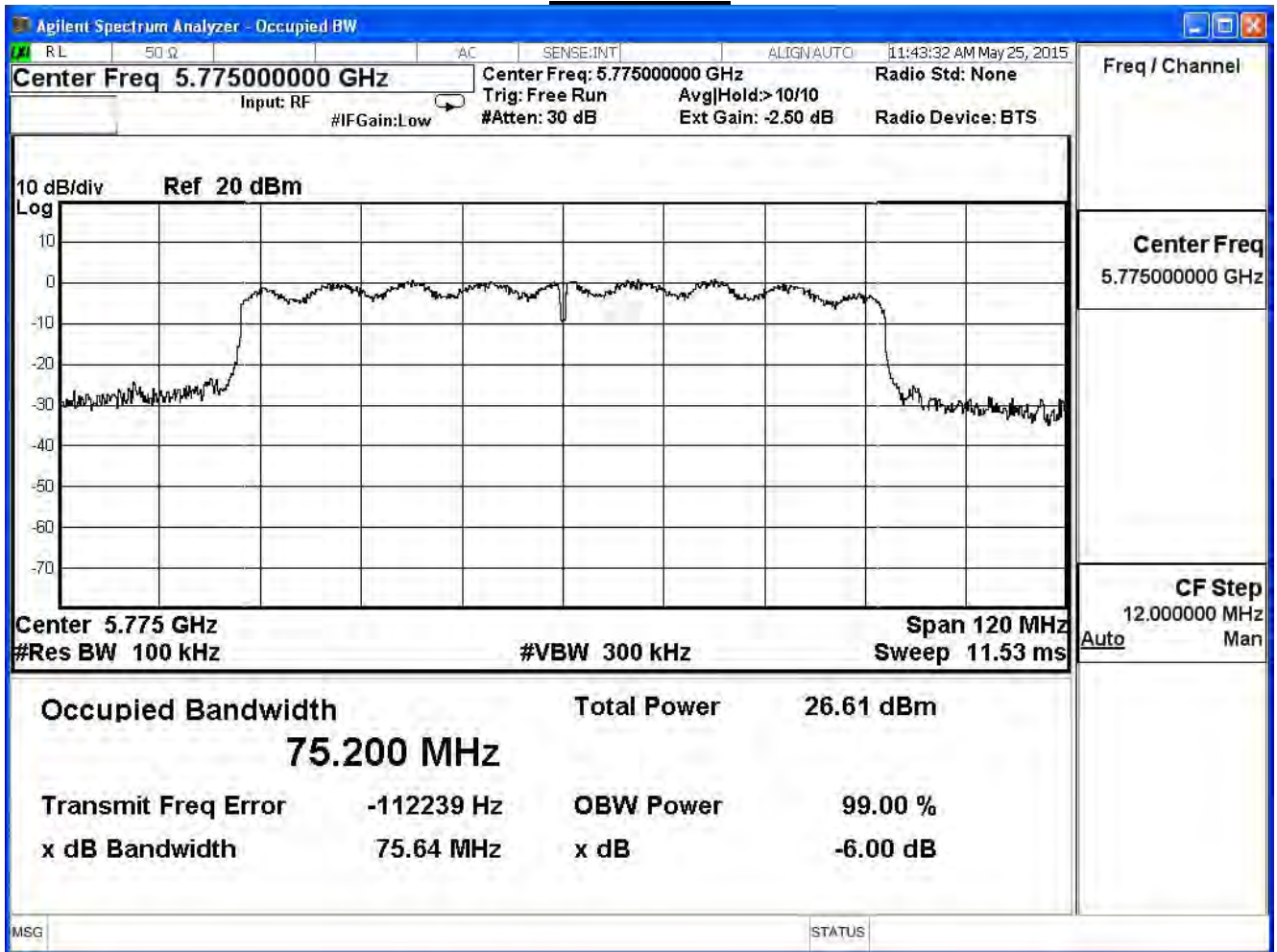
**Channel 155**



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

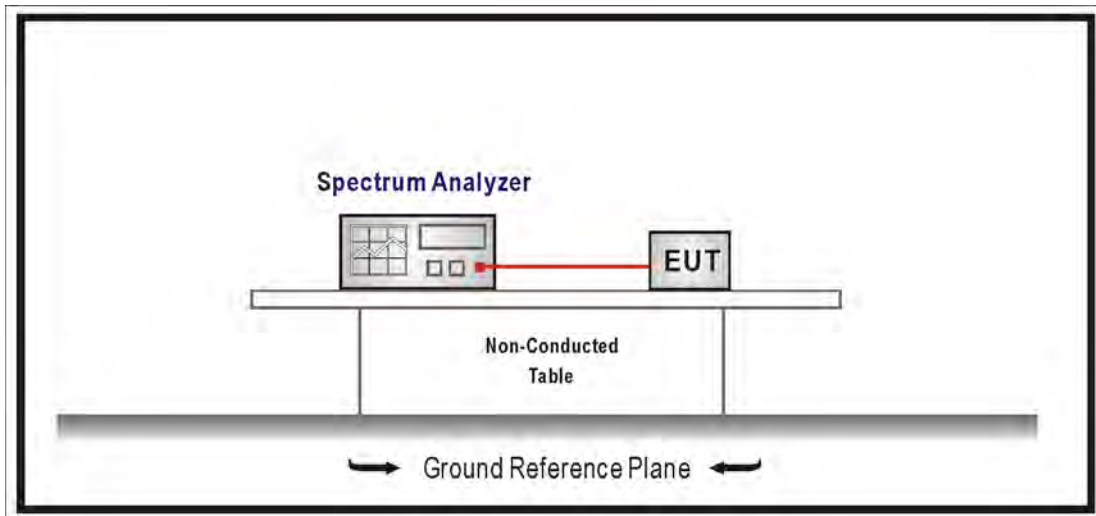
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14

Note: 1. 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  $\pm 150\text{Hz}$

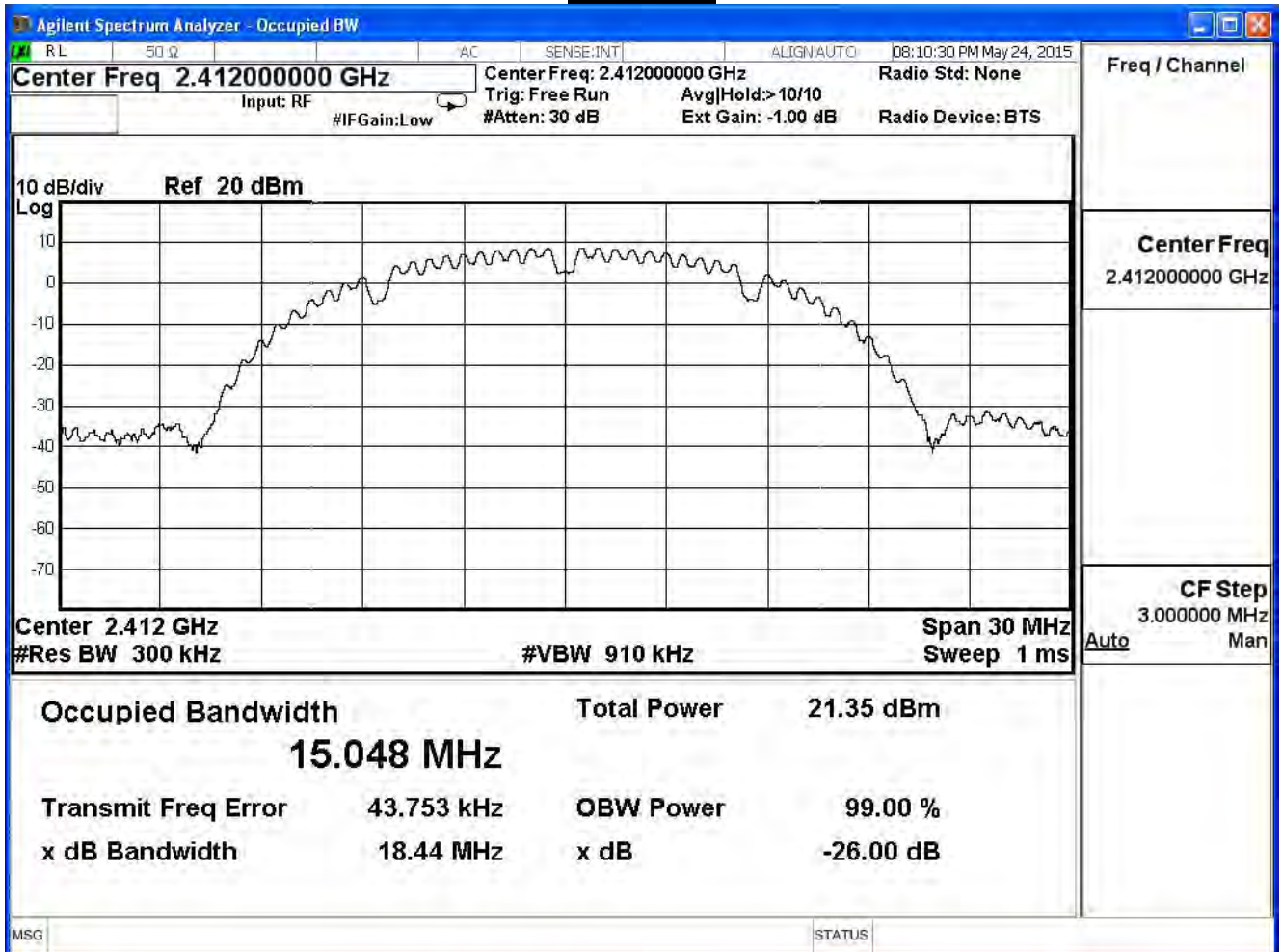
**8.7. Test Result**

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

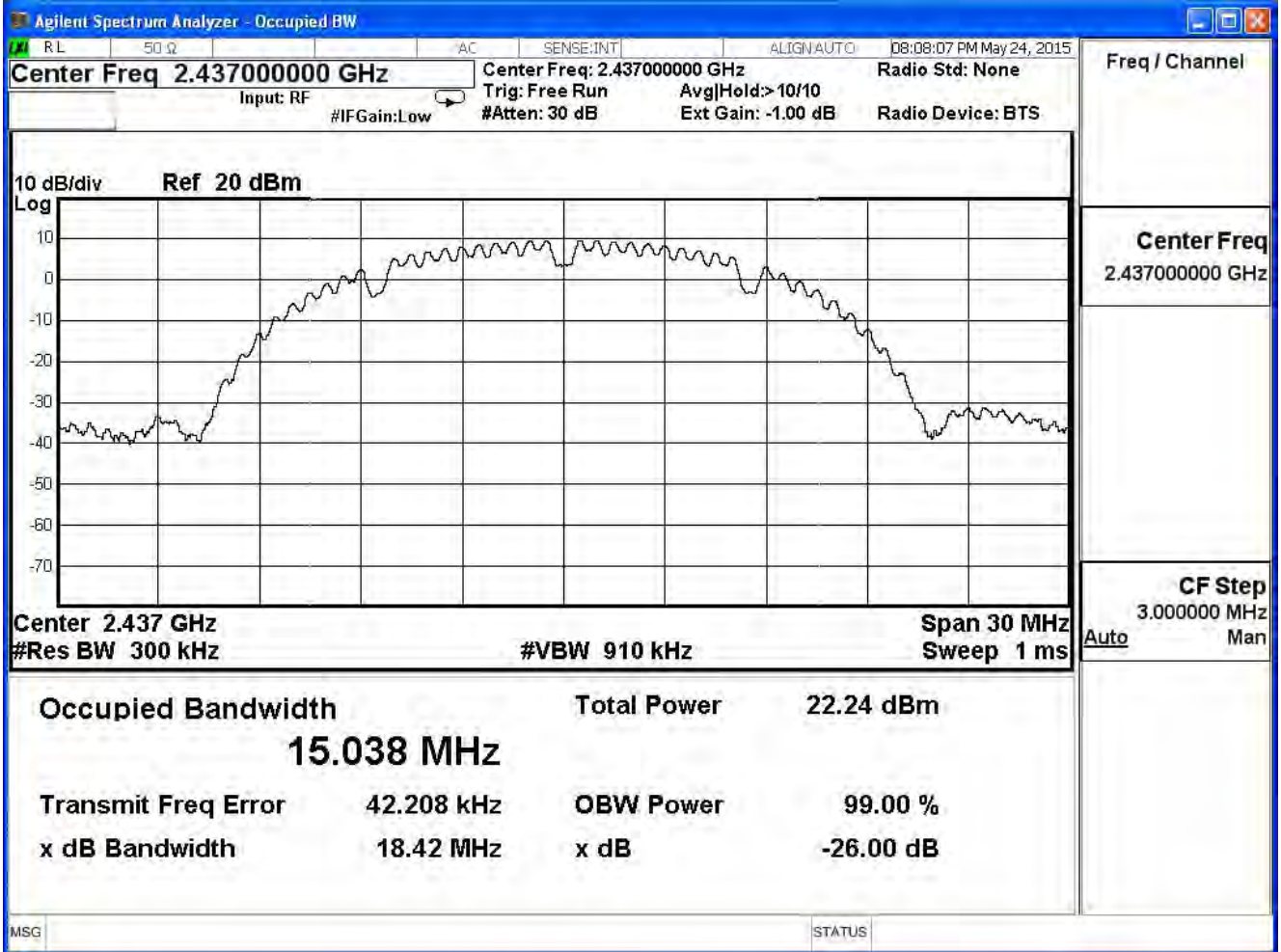
802.11 b (ANT 0)

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

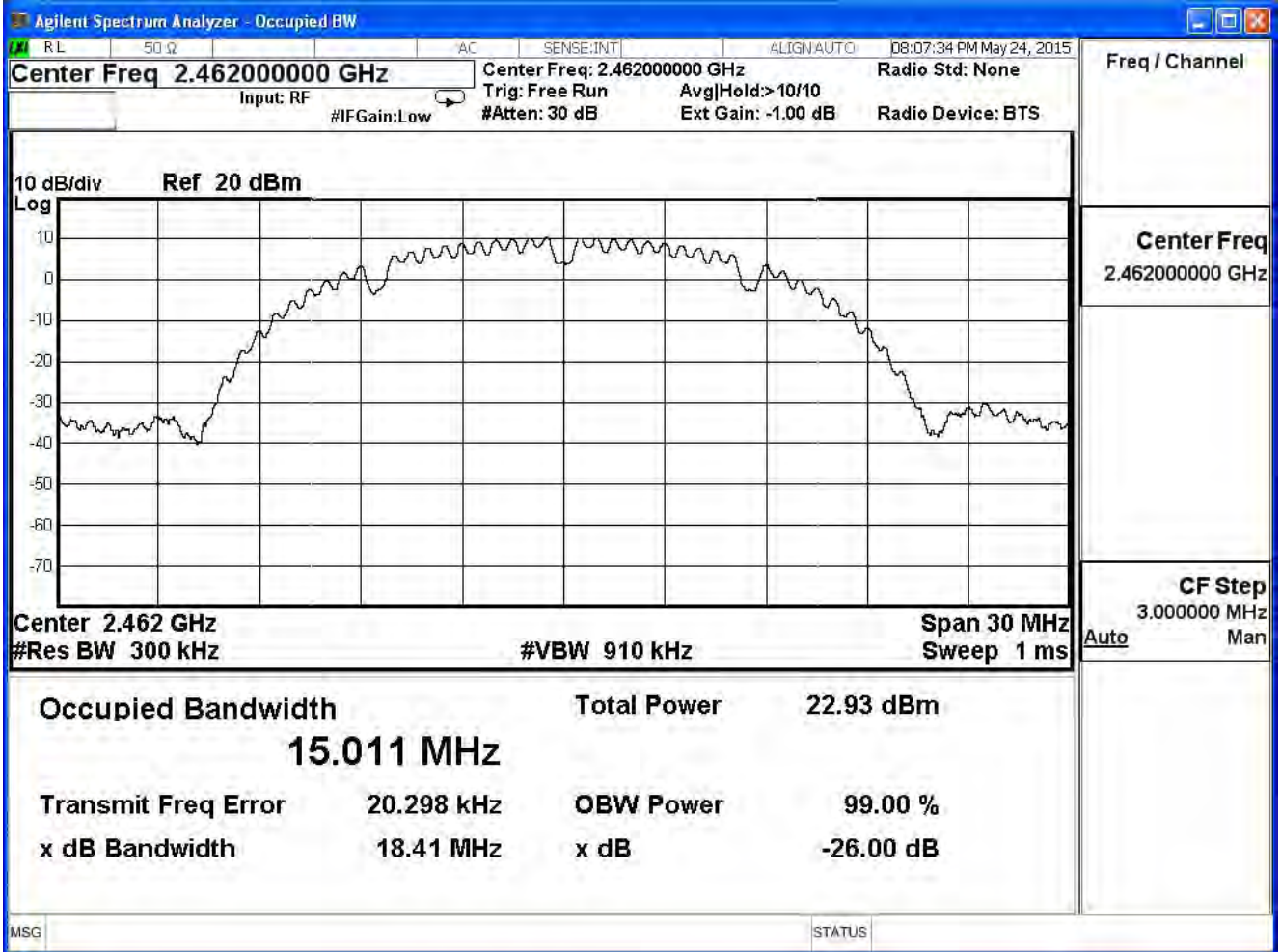
**Channel 1**



### Channel 6



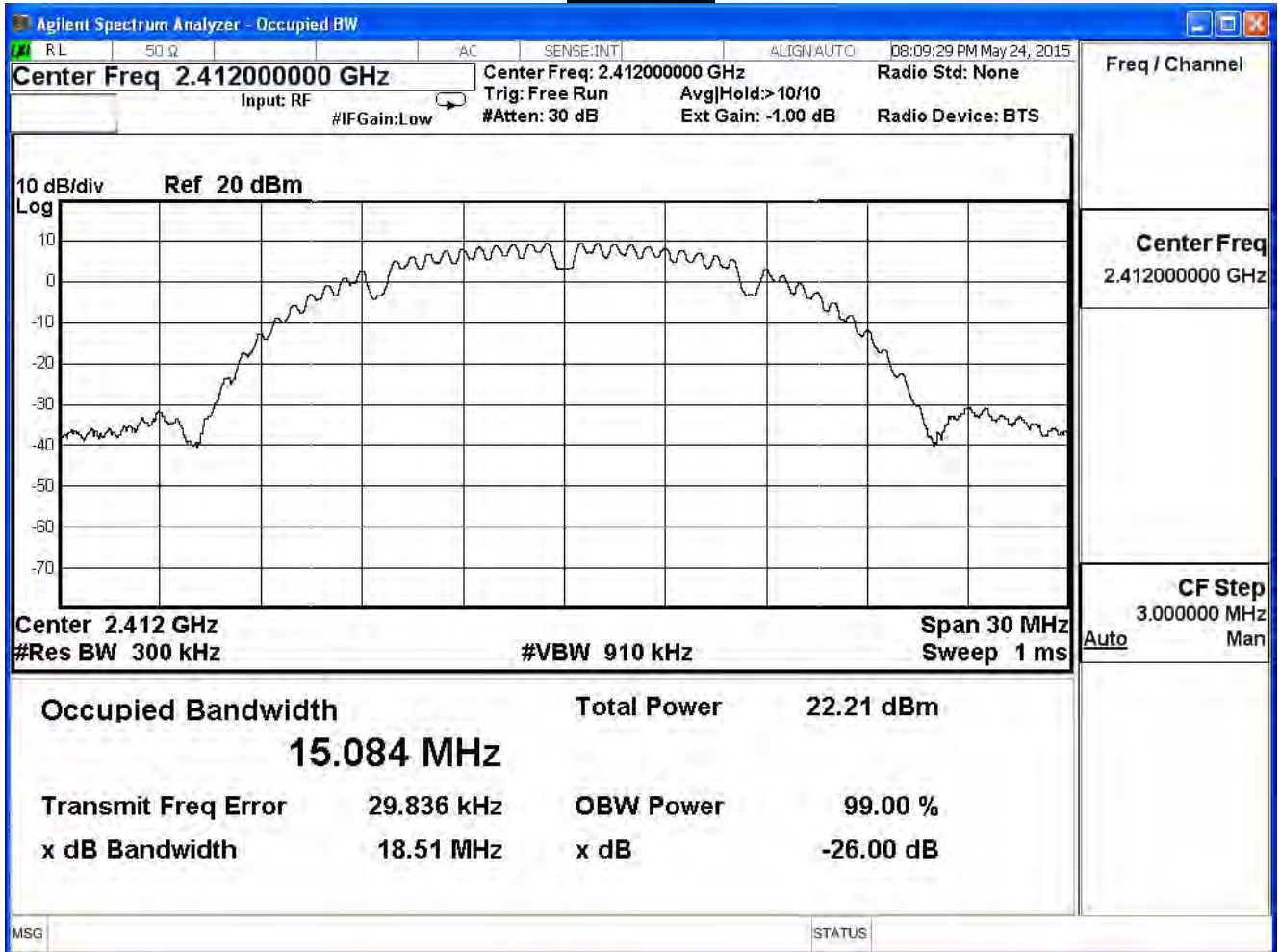
### Channel 11



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

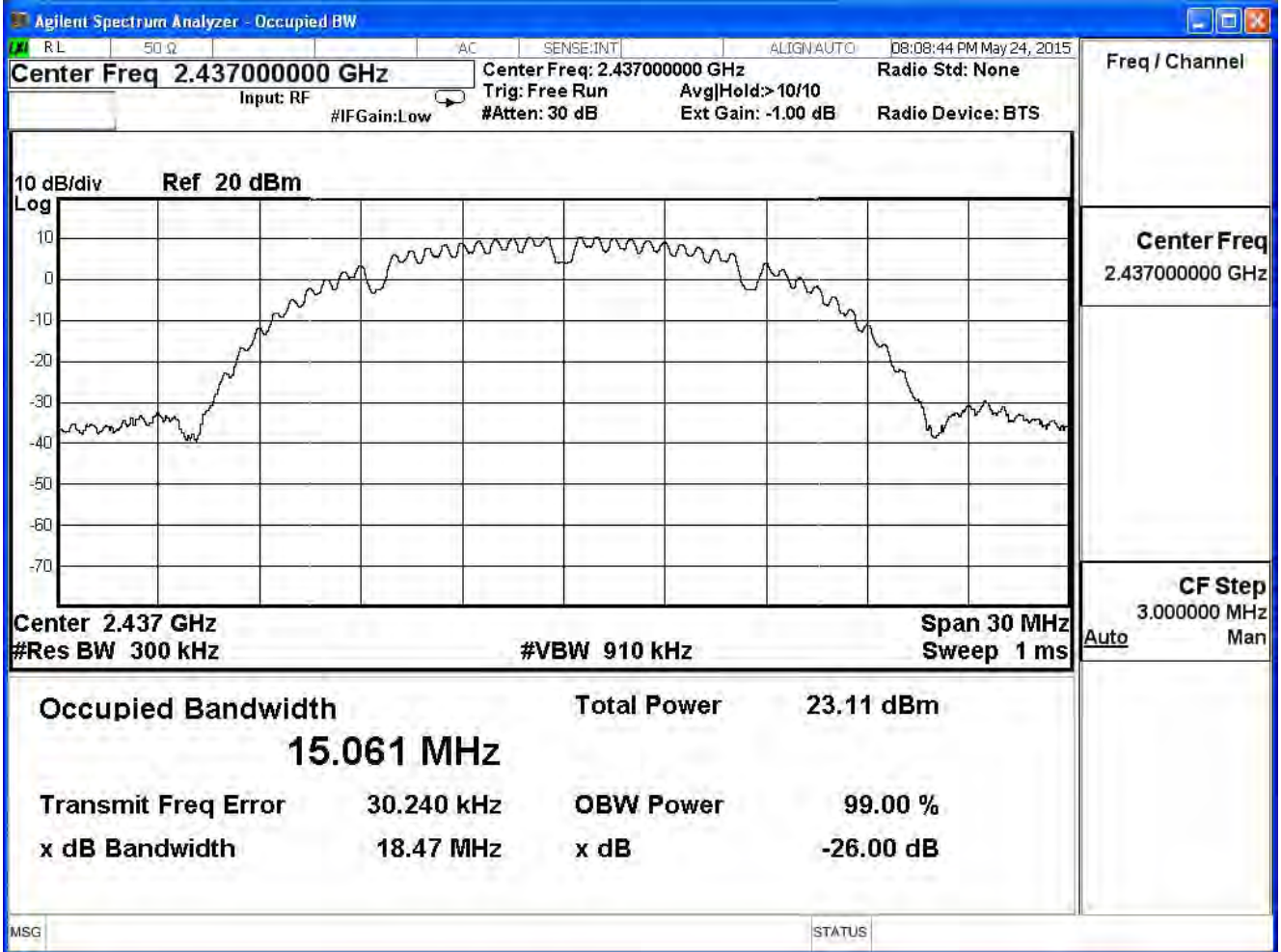
802.11 b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	15.084	--	Pass
6	2437	15.061	--	Pass
11	2462	15.054	--	Pass

**Channel 1**

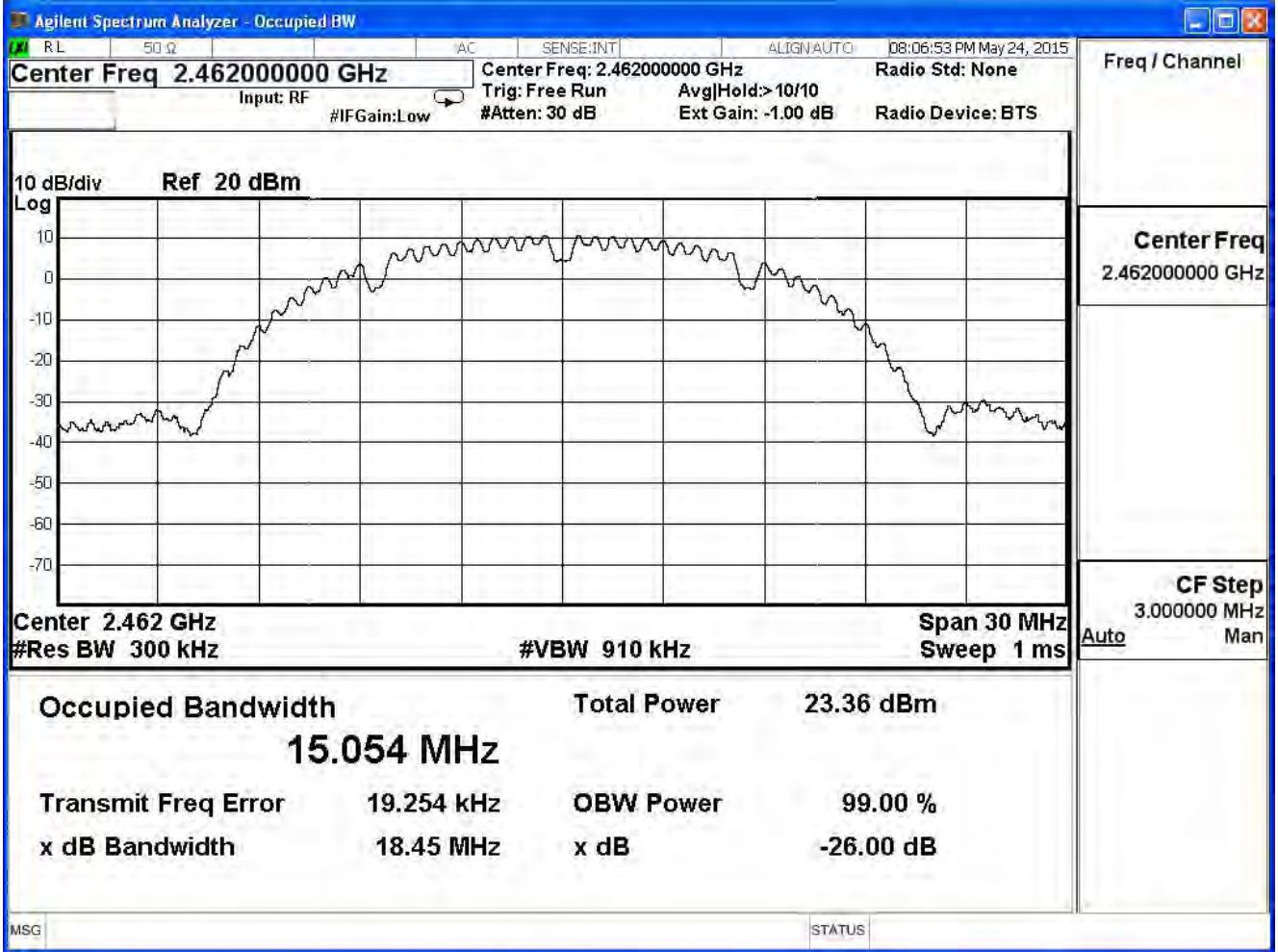




### Channel 6



**Channel 11**

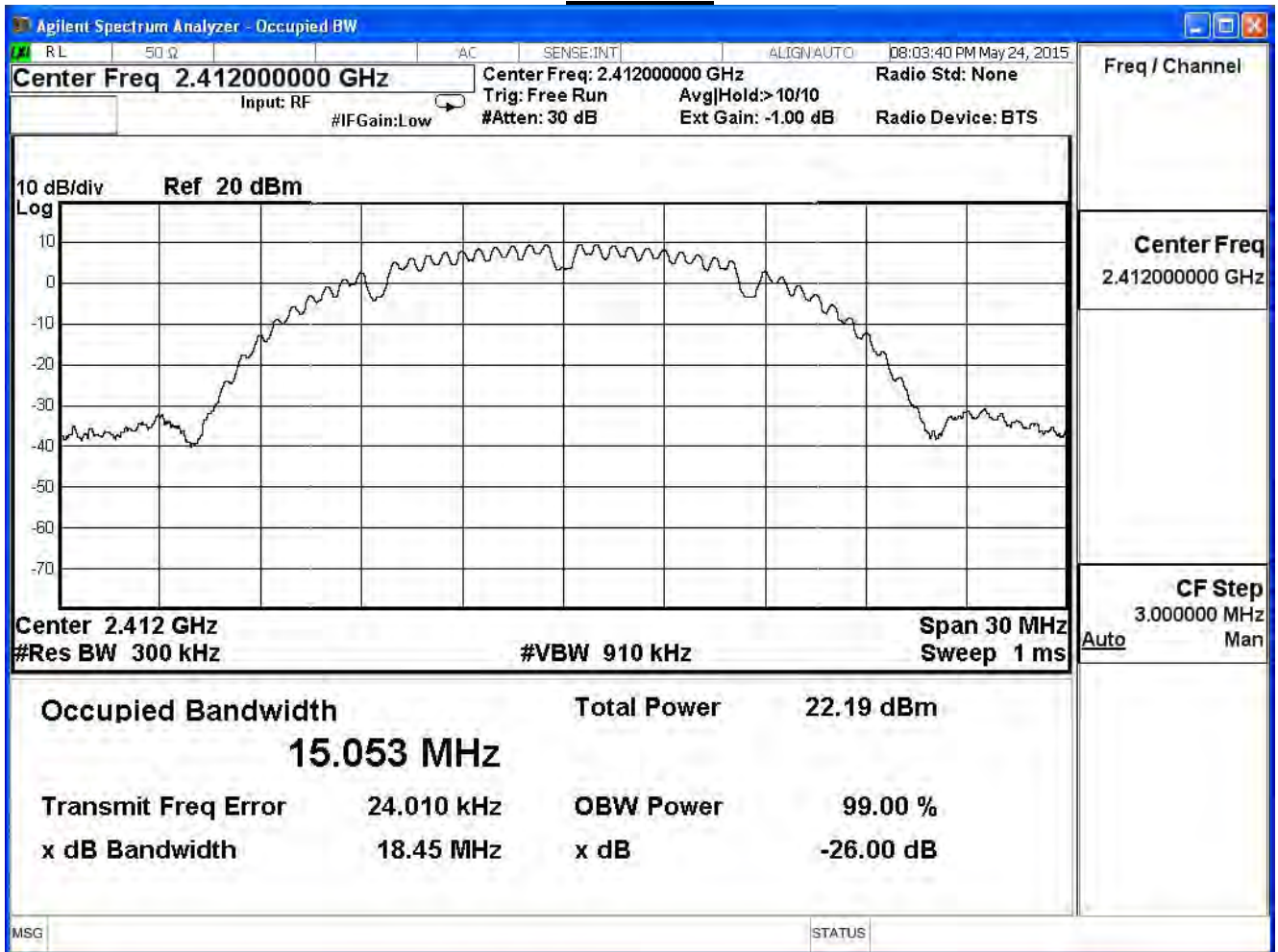


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/24	Test Site	SR7

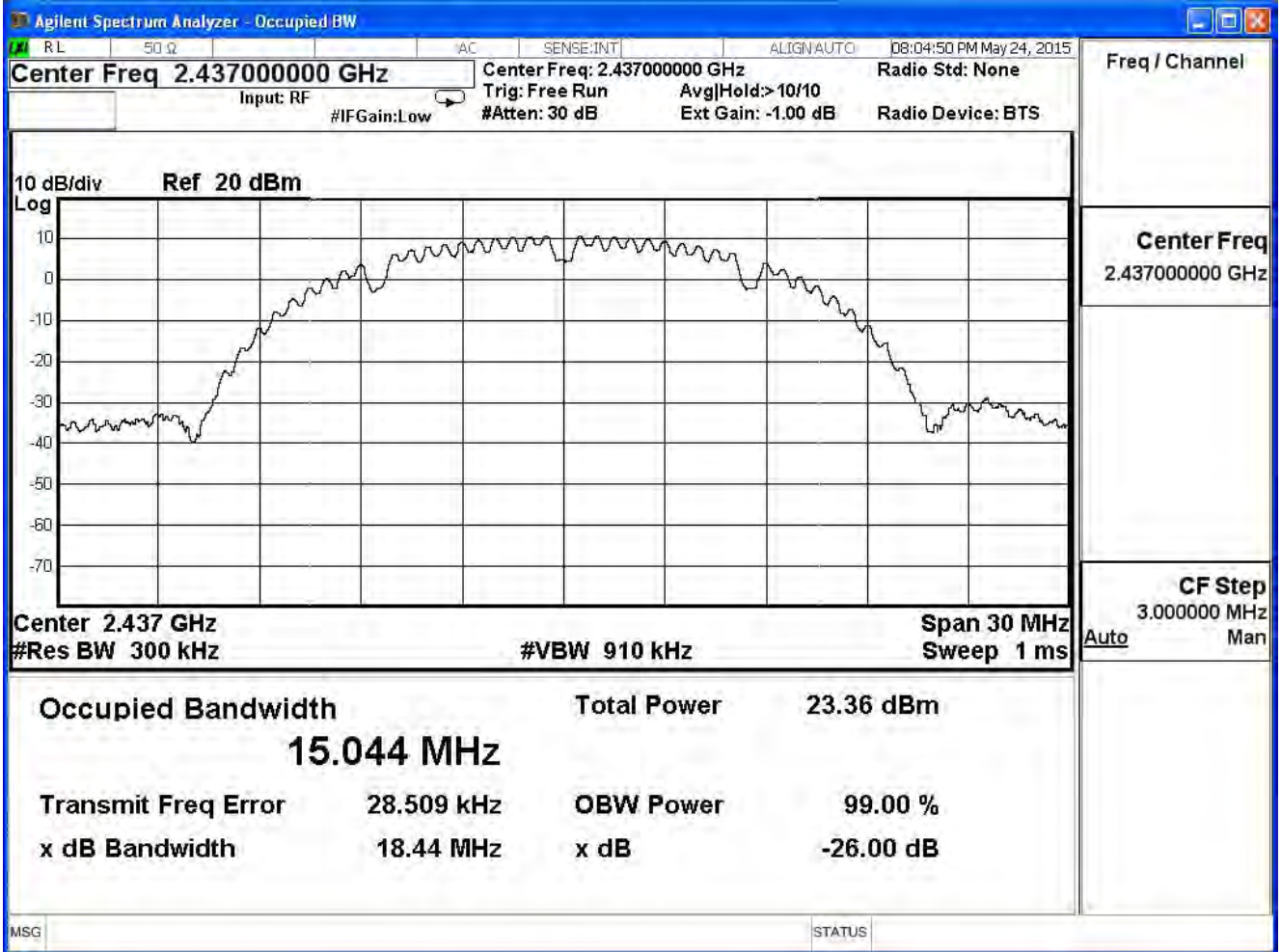
802.11 b (ANT 2)

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**

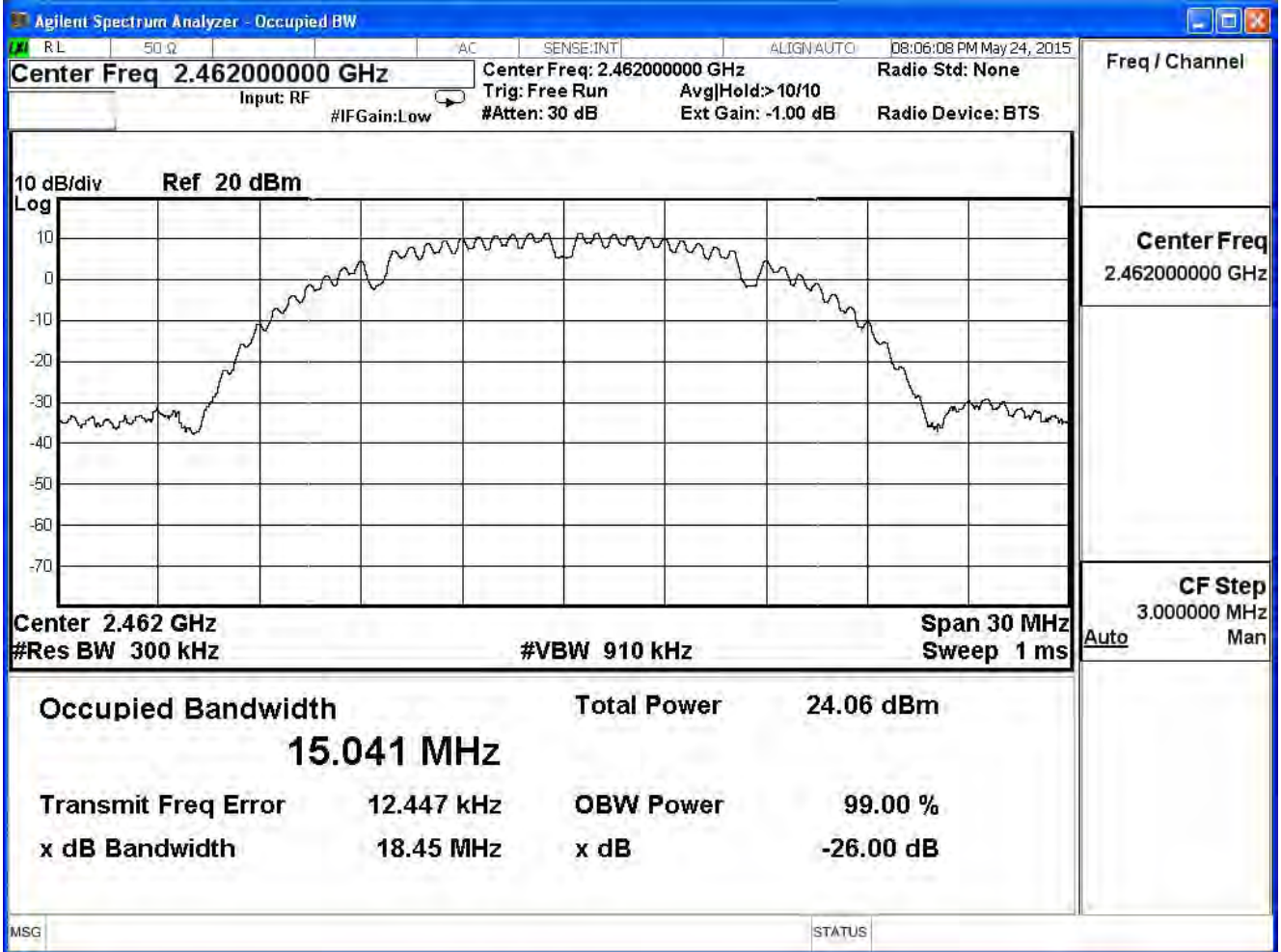


### Channel 6





**Channel 11**

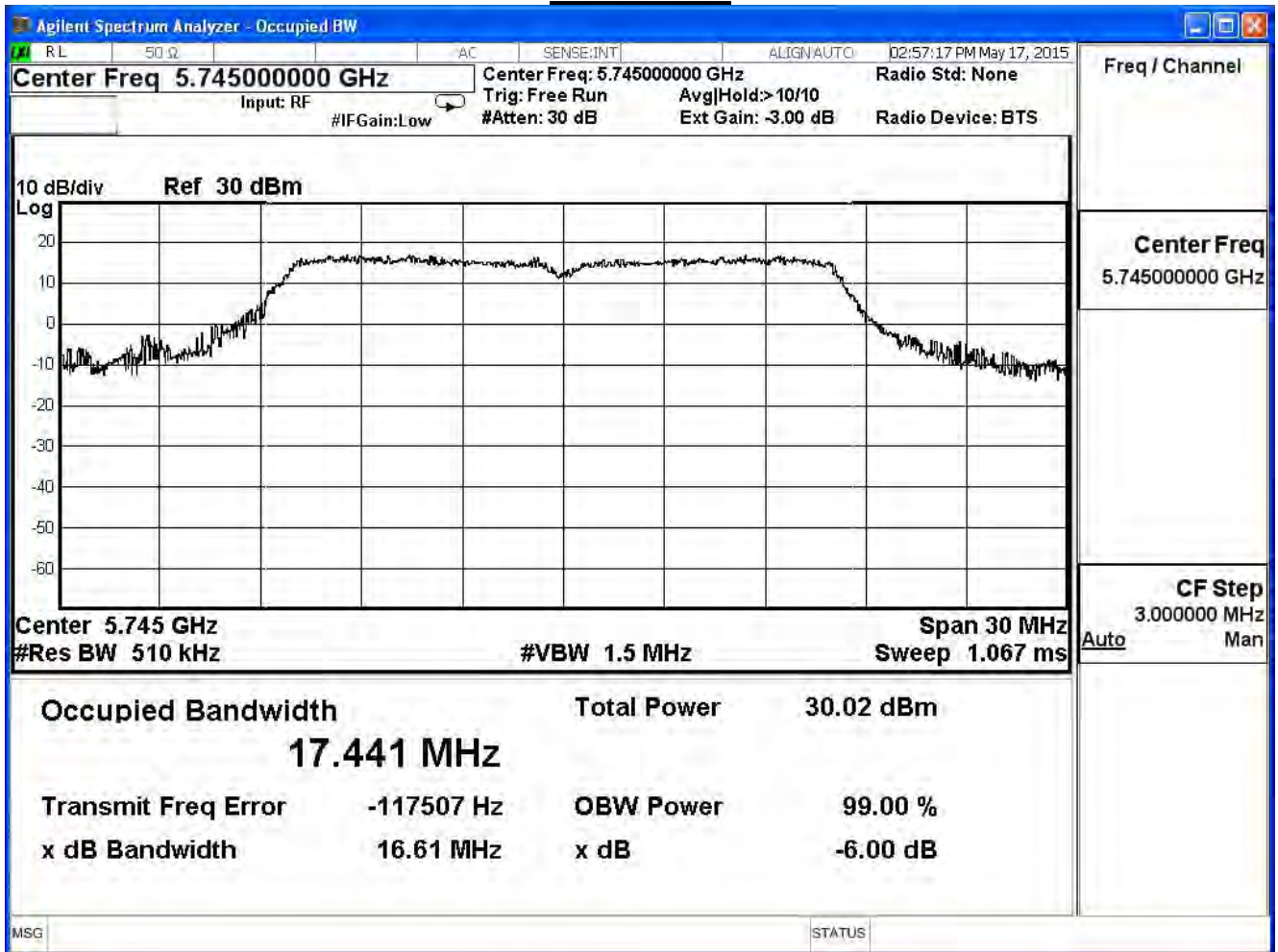




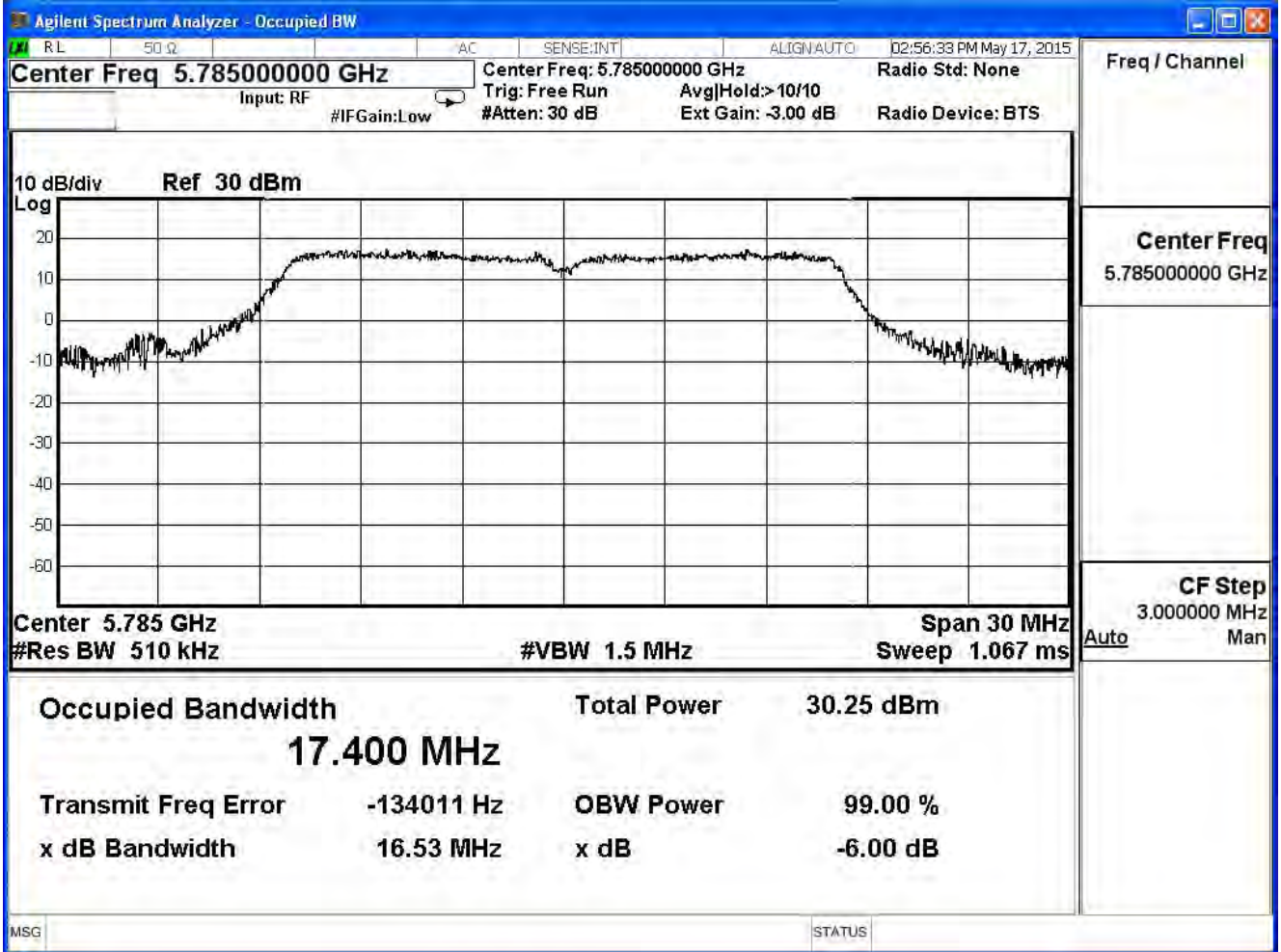
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

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

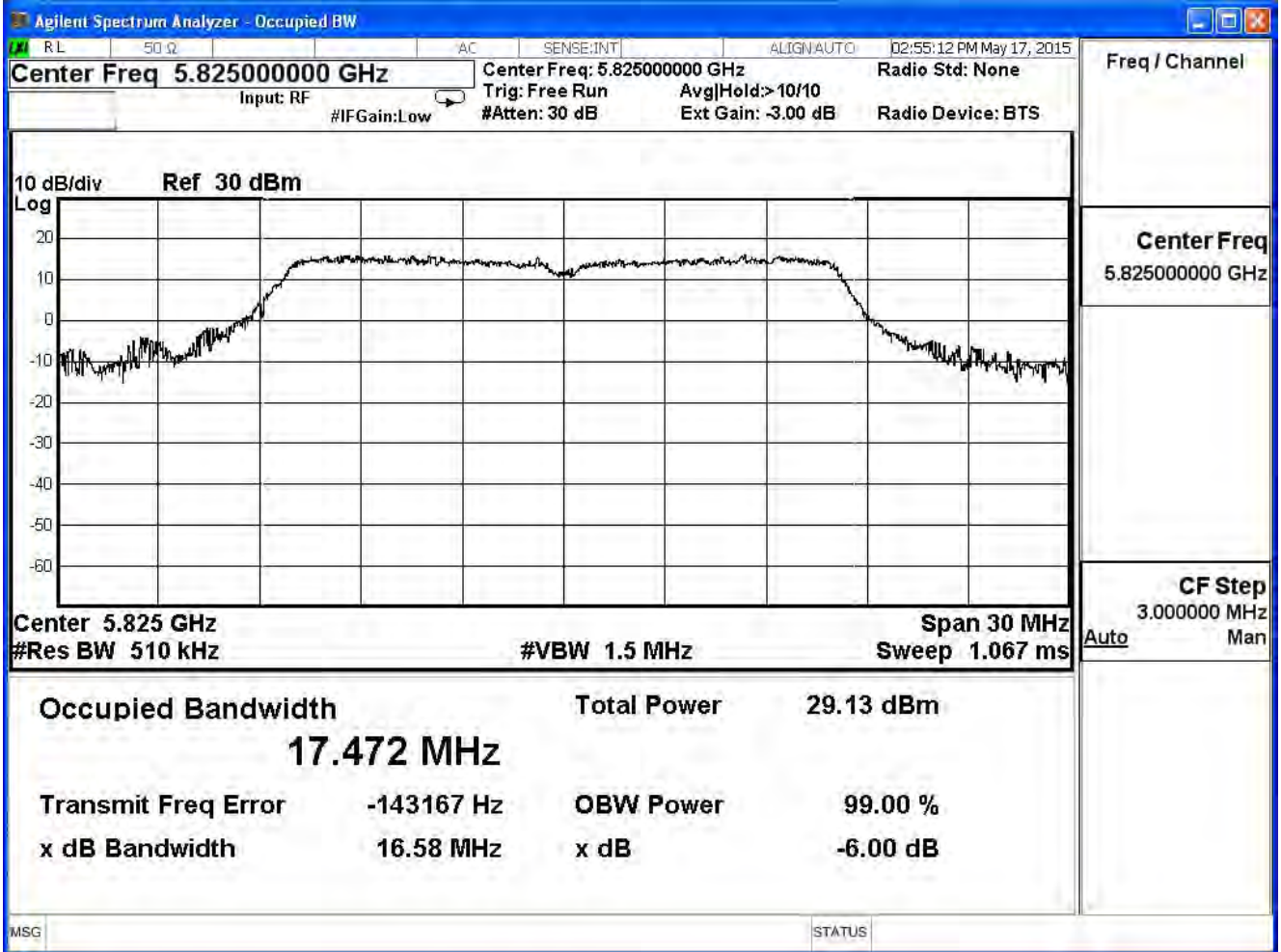
**Channel 149**



### Channel 157



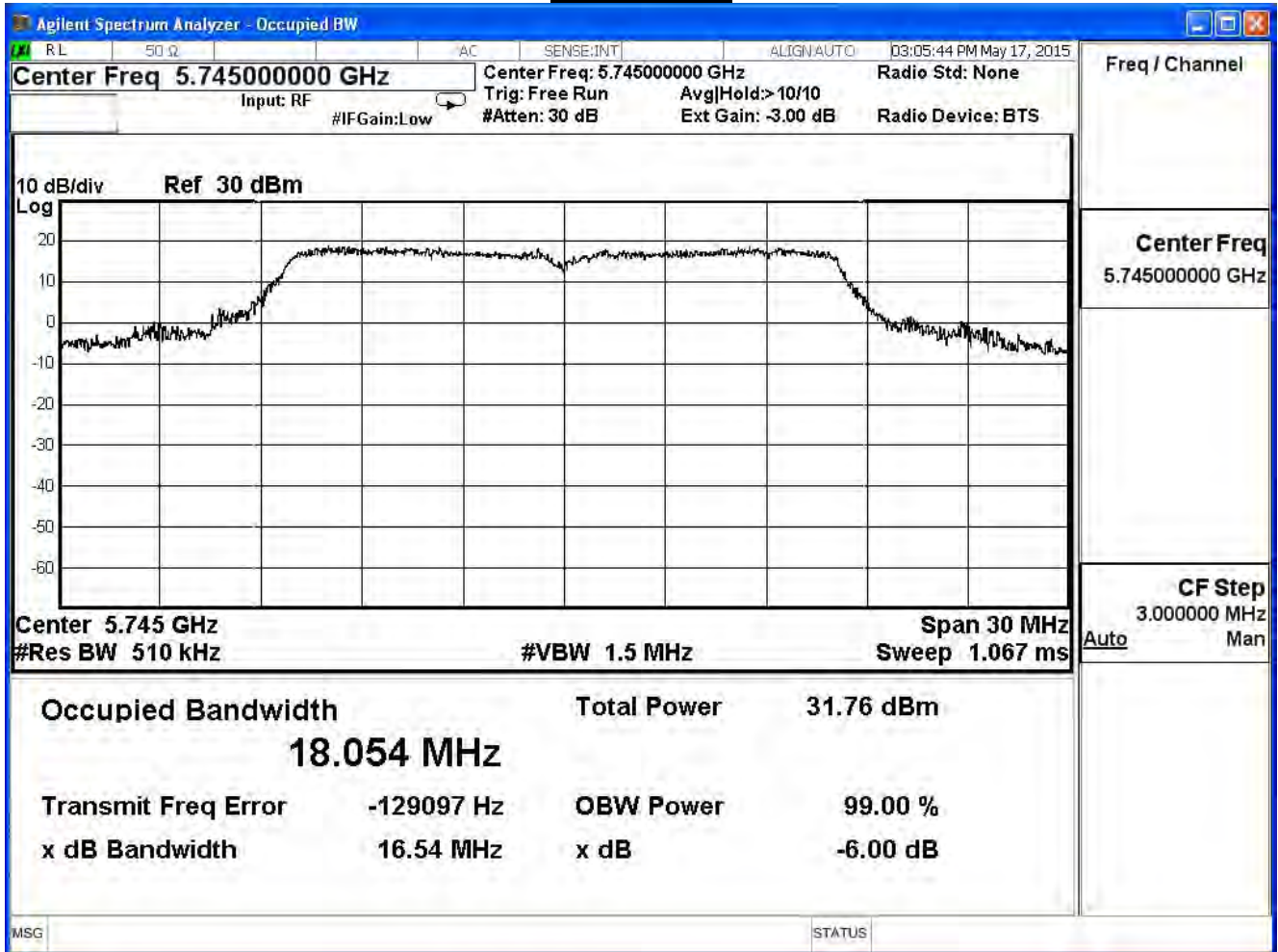
### Channel 165



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

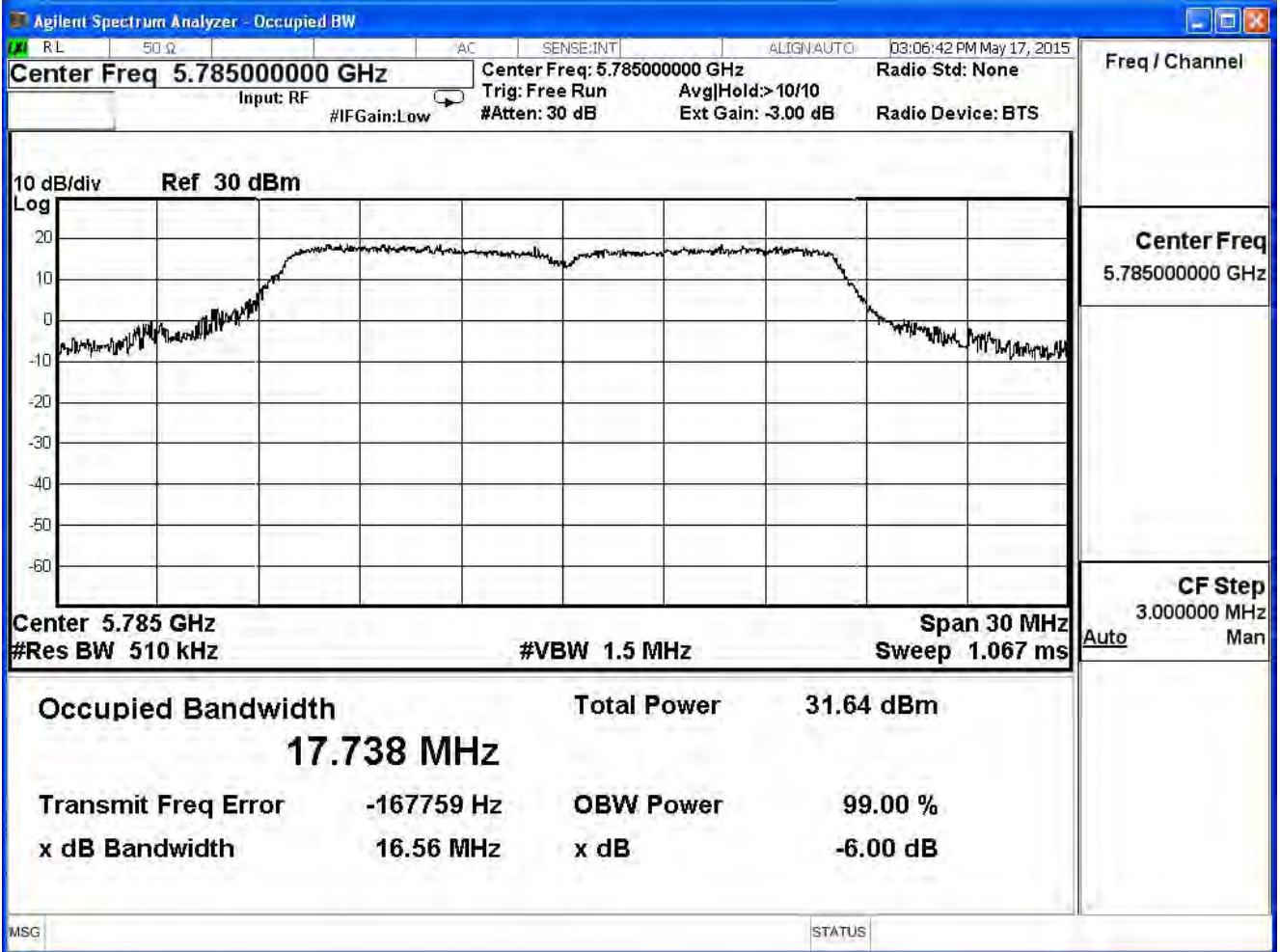
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	18.054	--	Pass
157	5785	17.738	--	Pass
165	5825	17.700	--	Pass

**Channel 149**



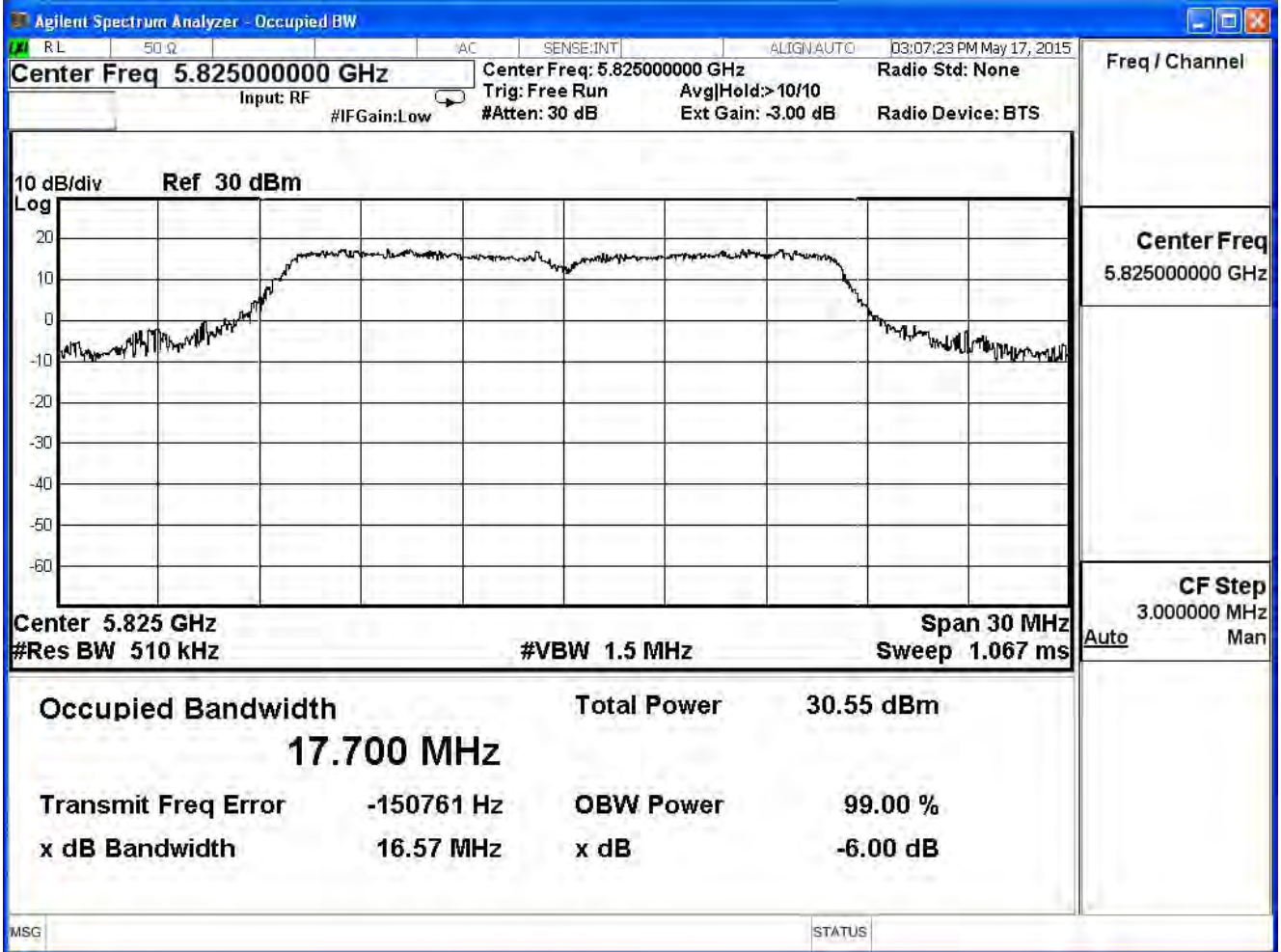


### Channel 157





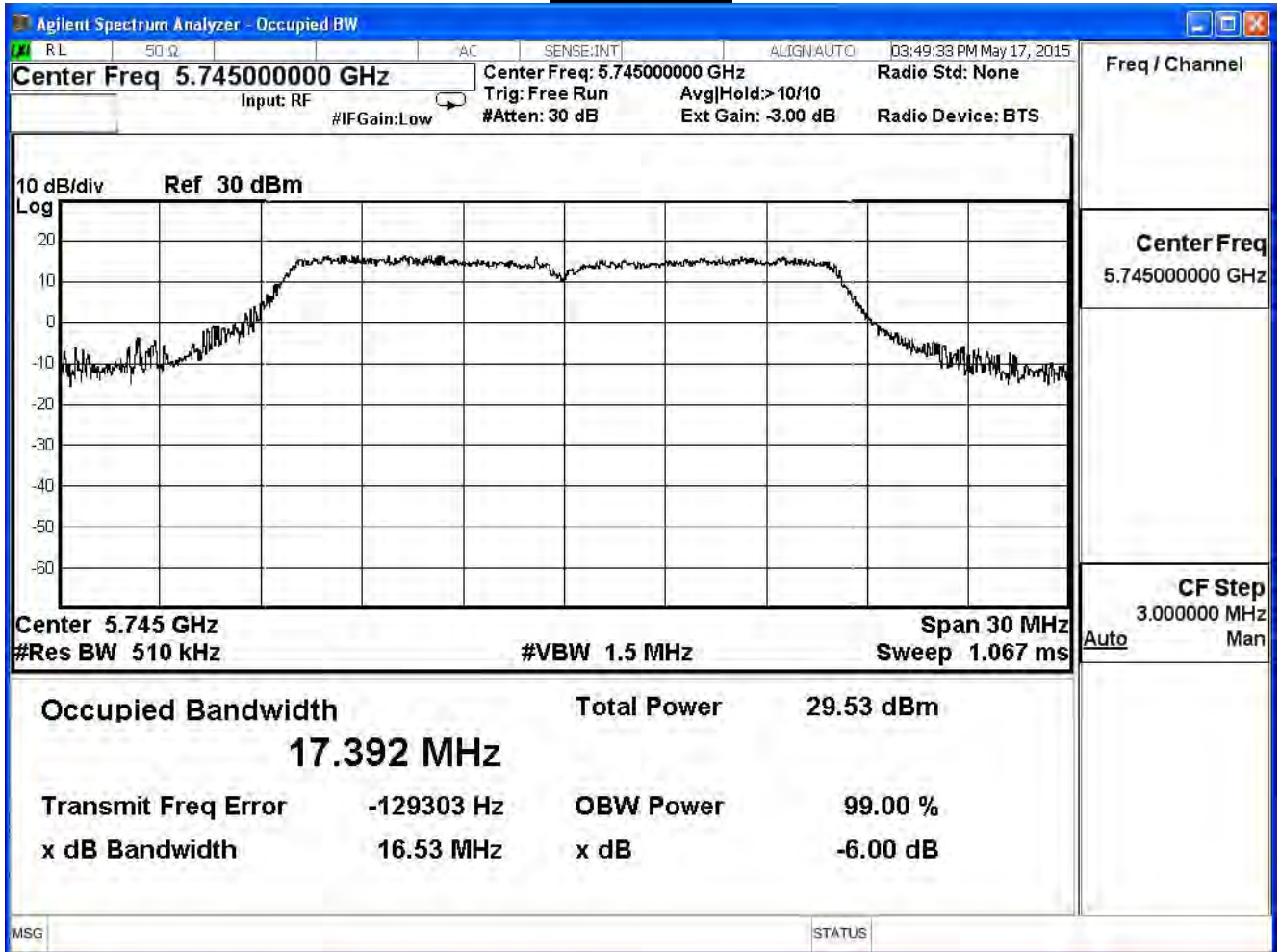
### Channel 165



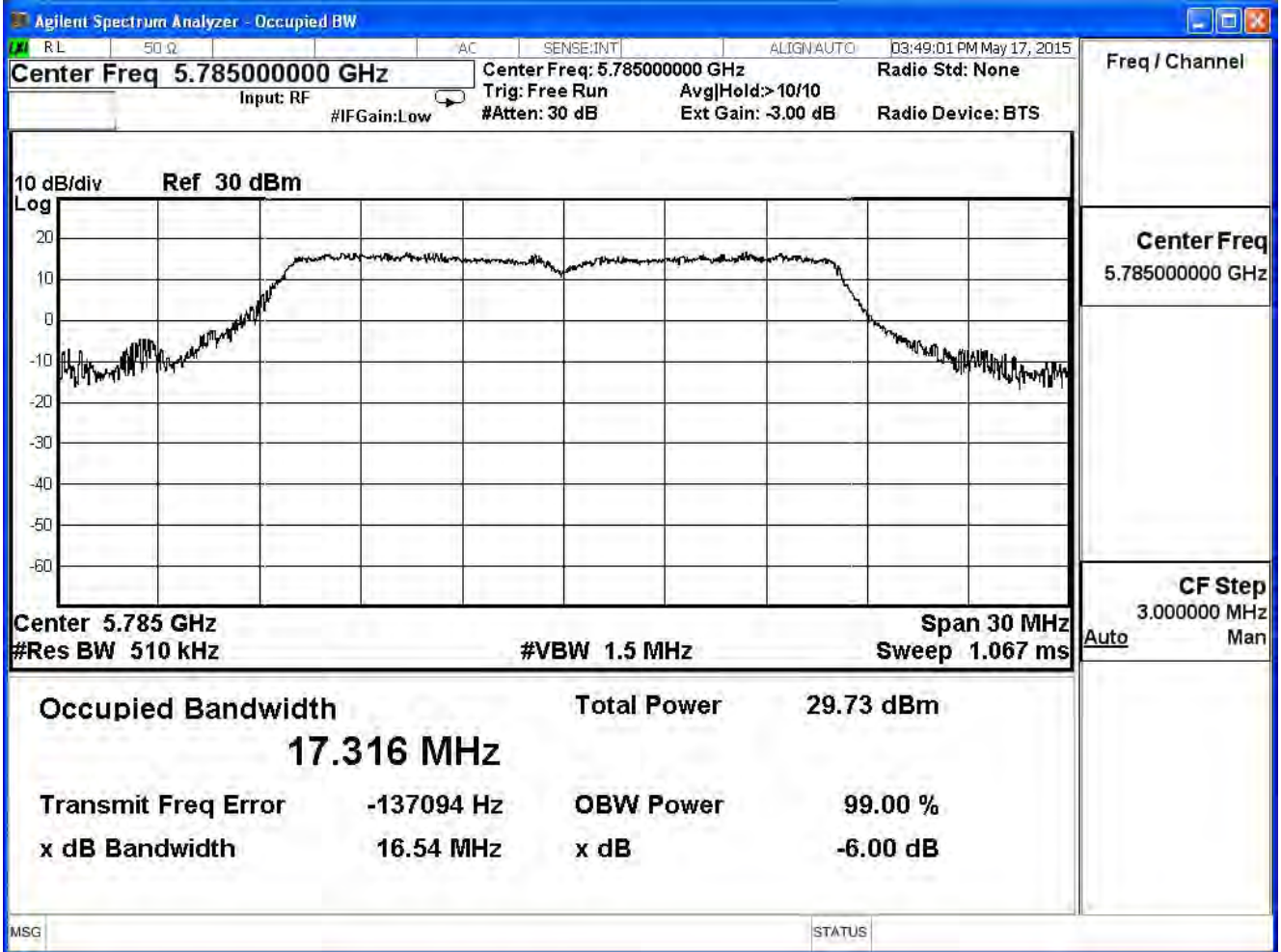
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

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

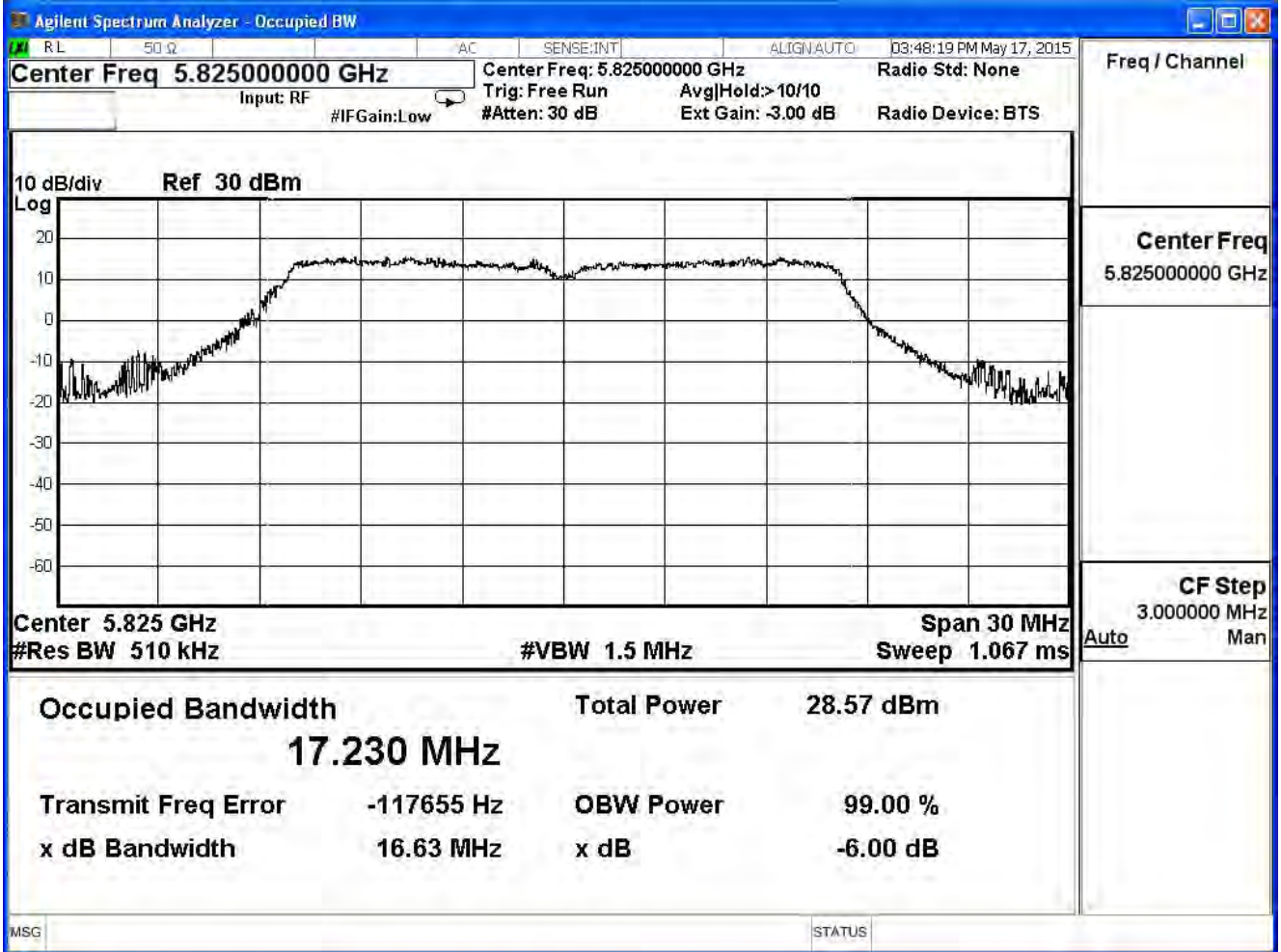
**Channel 149**



### Channel 157



### Channel 165



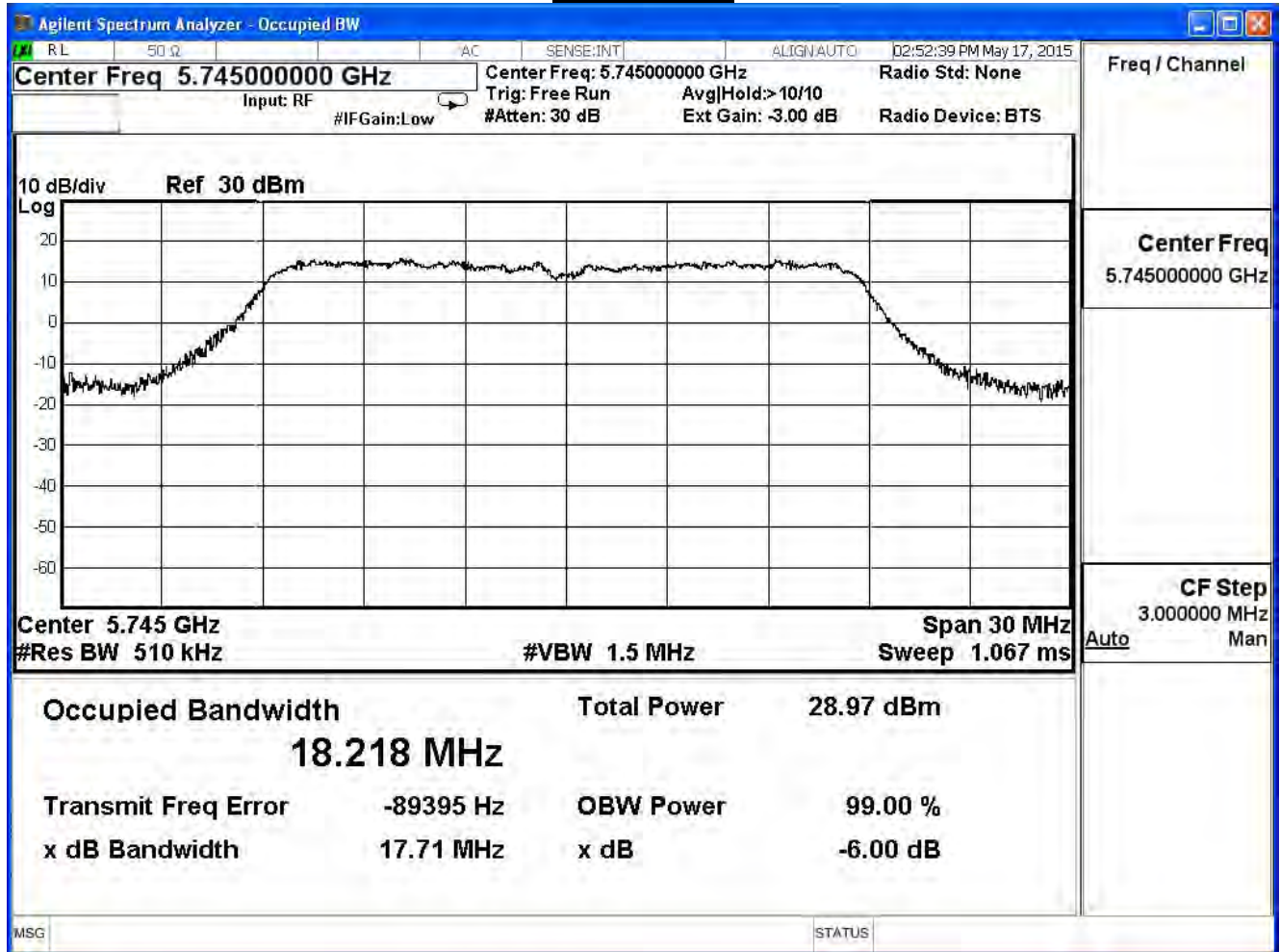


Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)

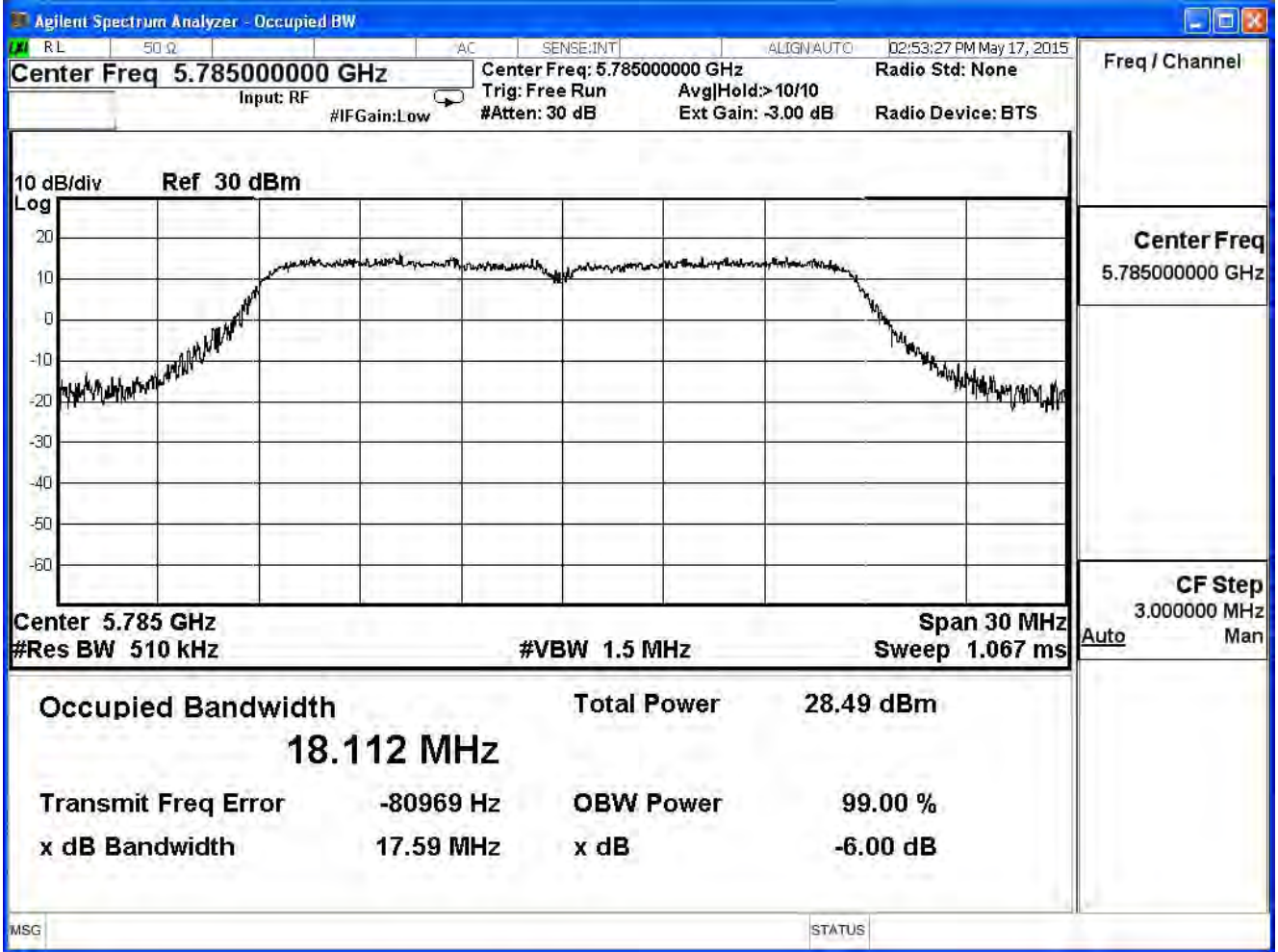
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
149	5745	18.218	--	Pass
157	5785	18.112	--	Pass
165	5825	18.136	--	Pass

**Channel 149**

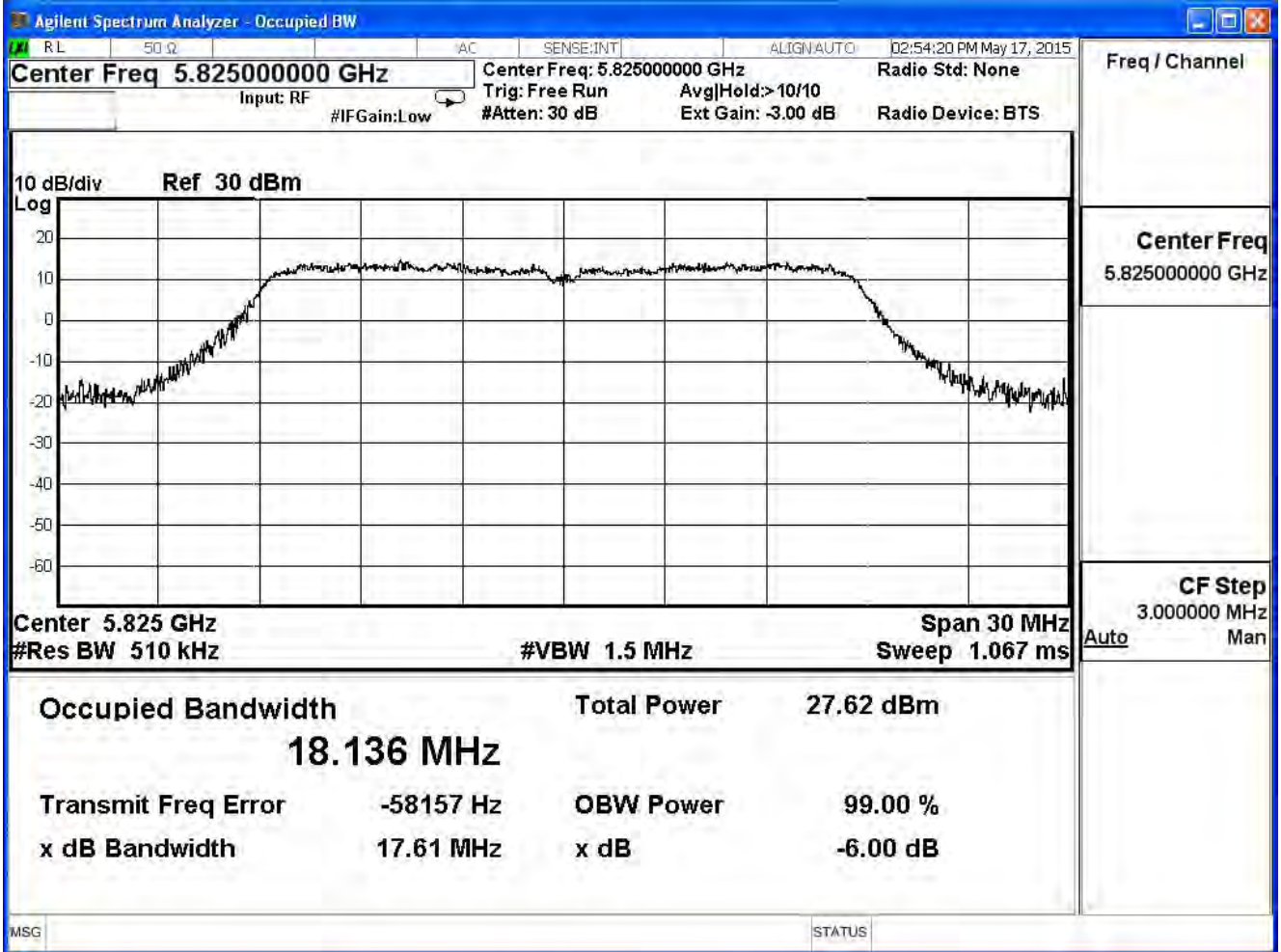




### Channel 157



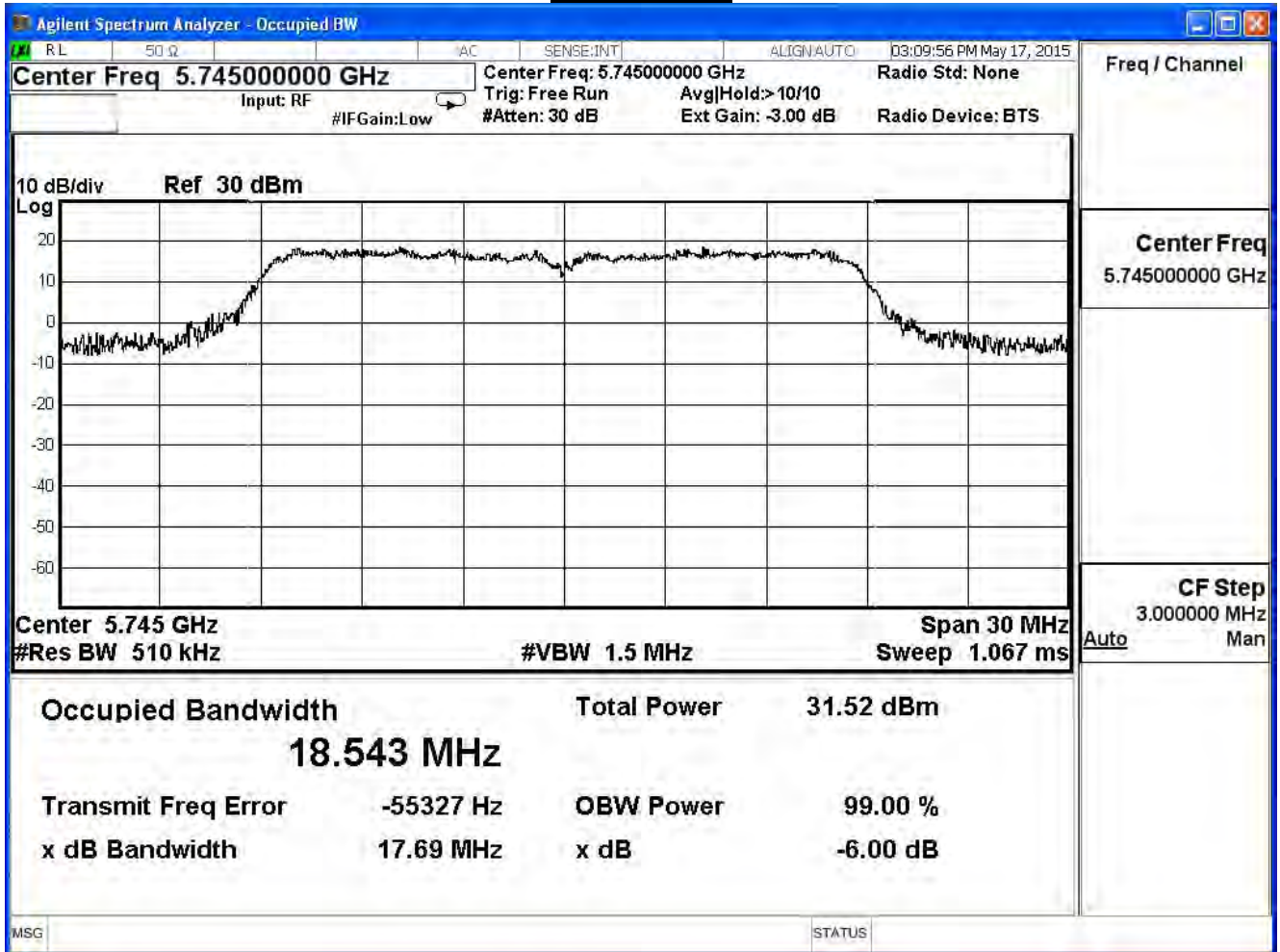
### Channel 165



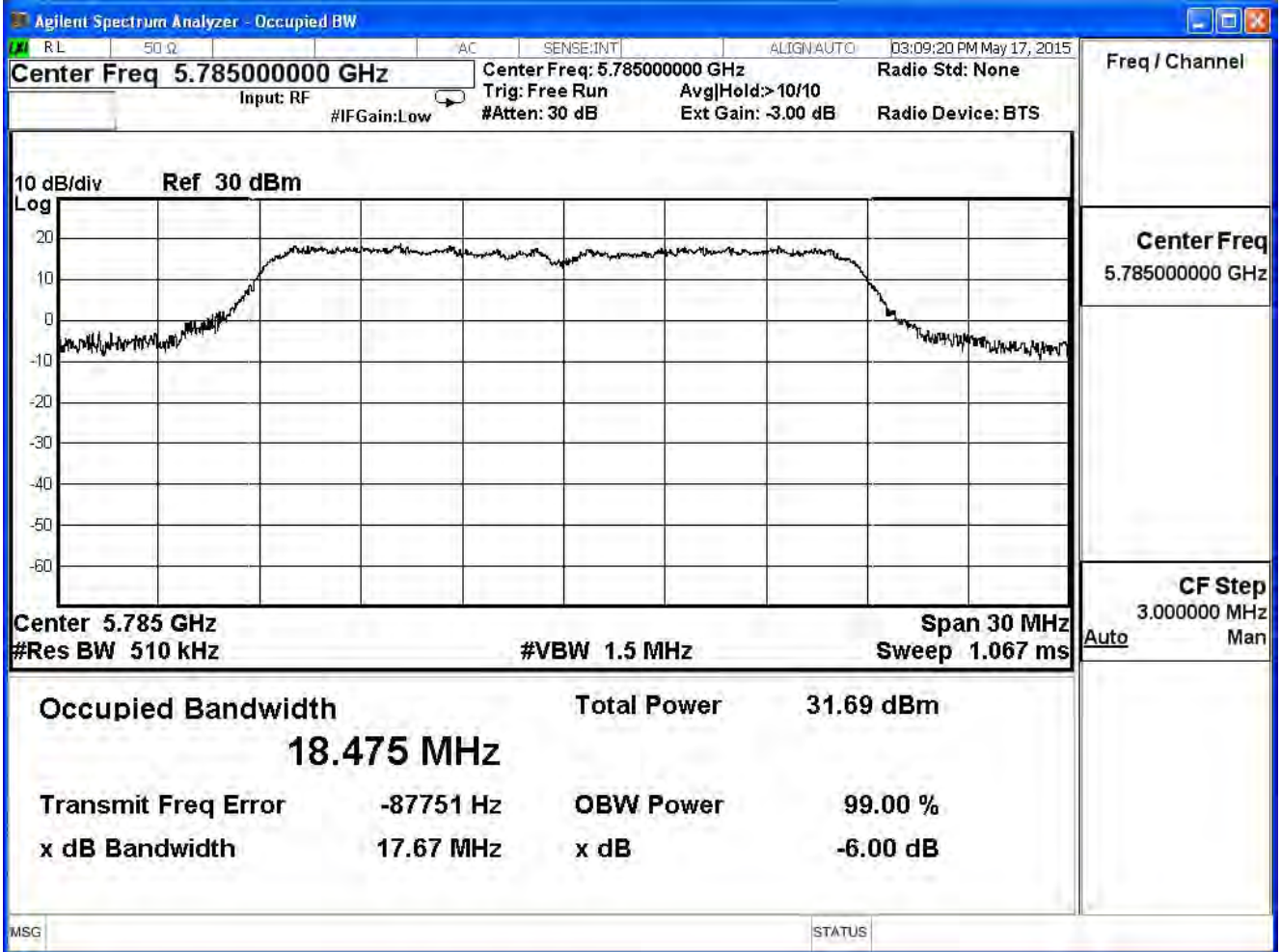
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

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**

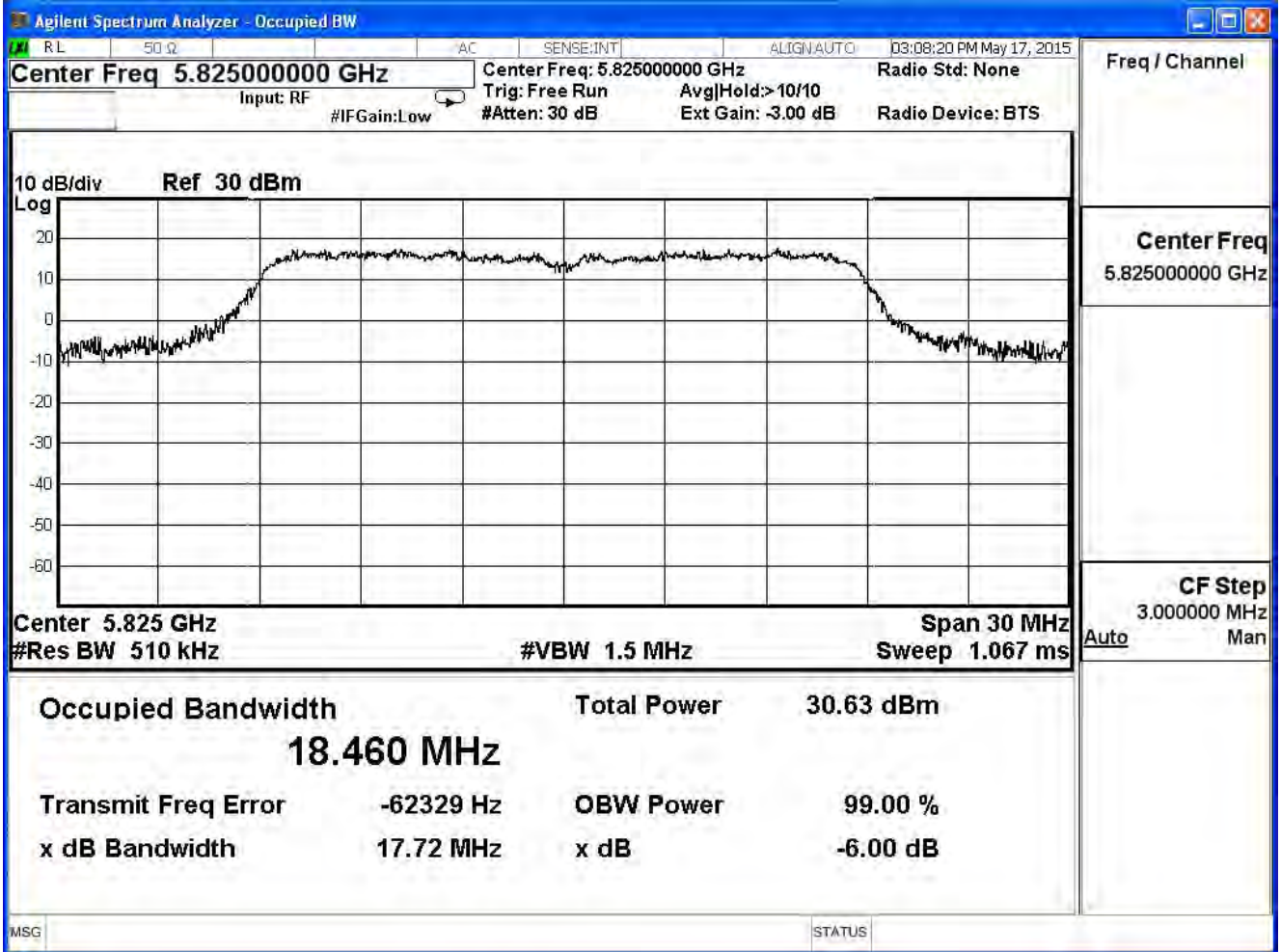


### Channel 157





### Channel 165

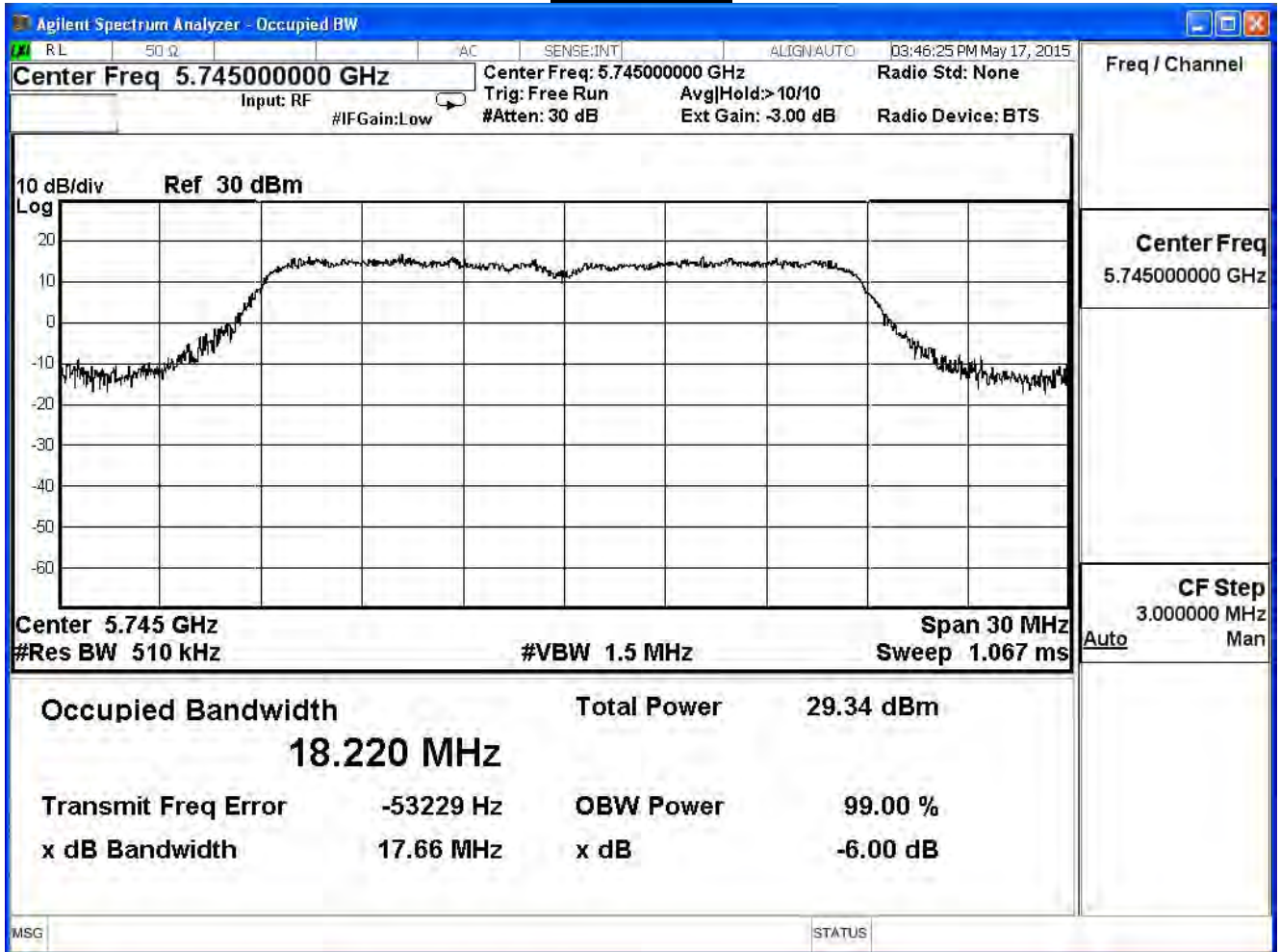




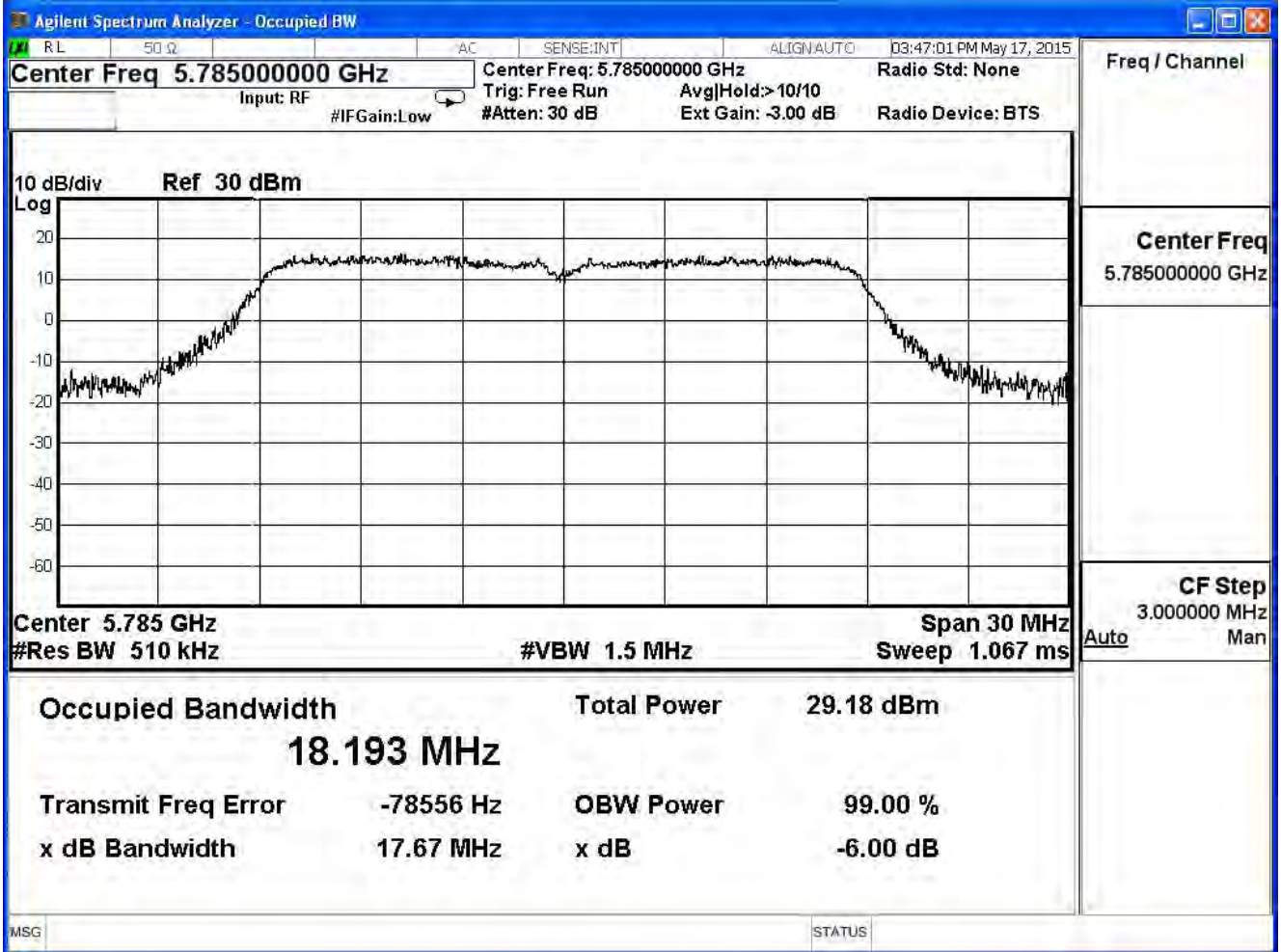
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

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

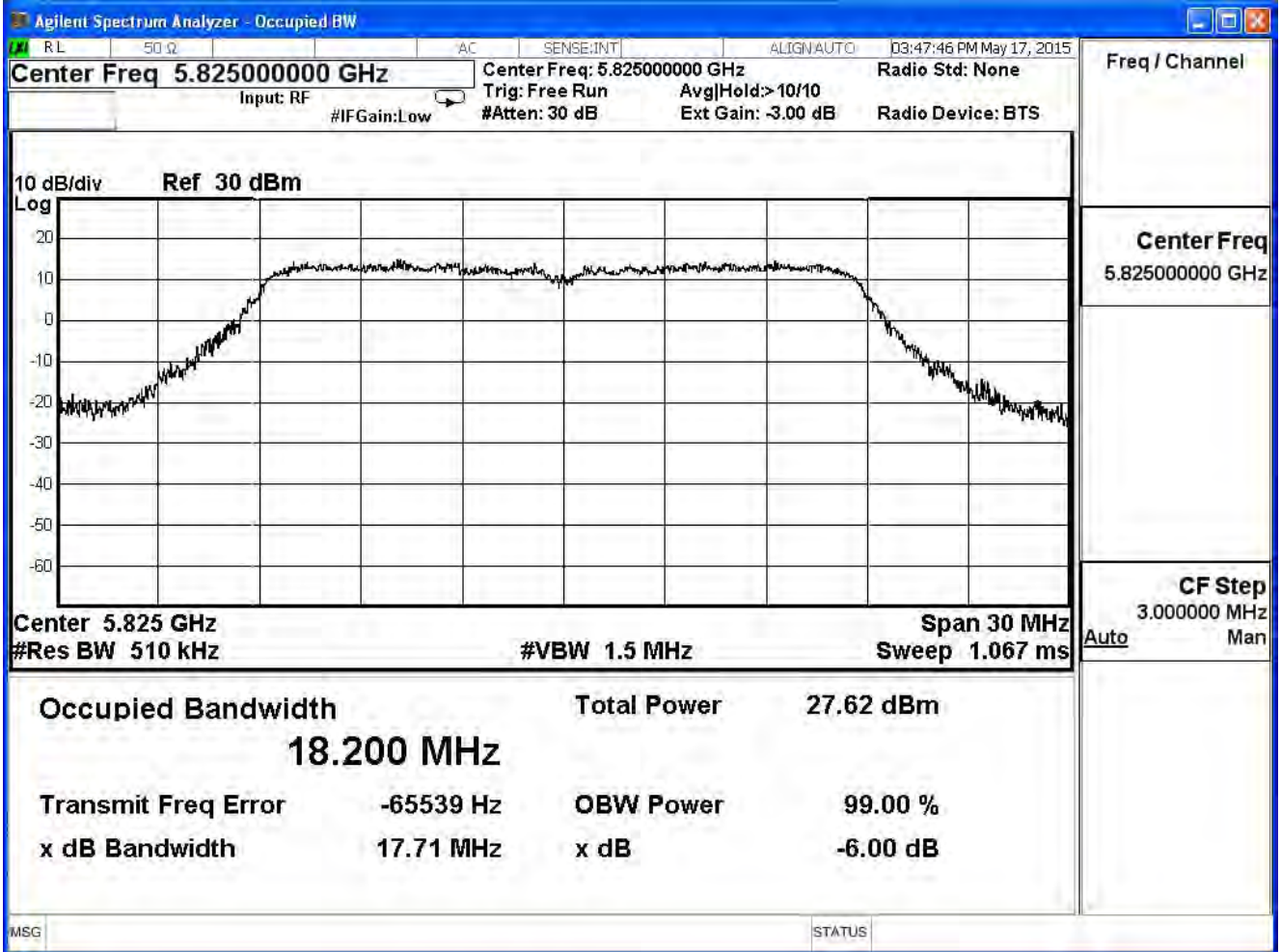
**Channel 149**



### Channel 157



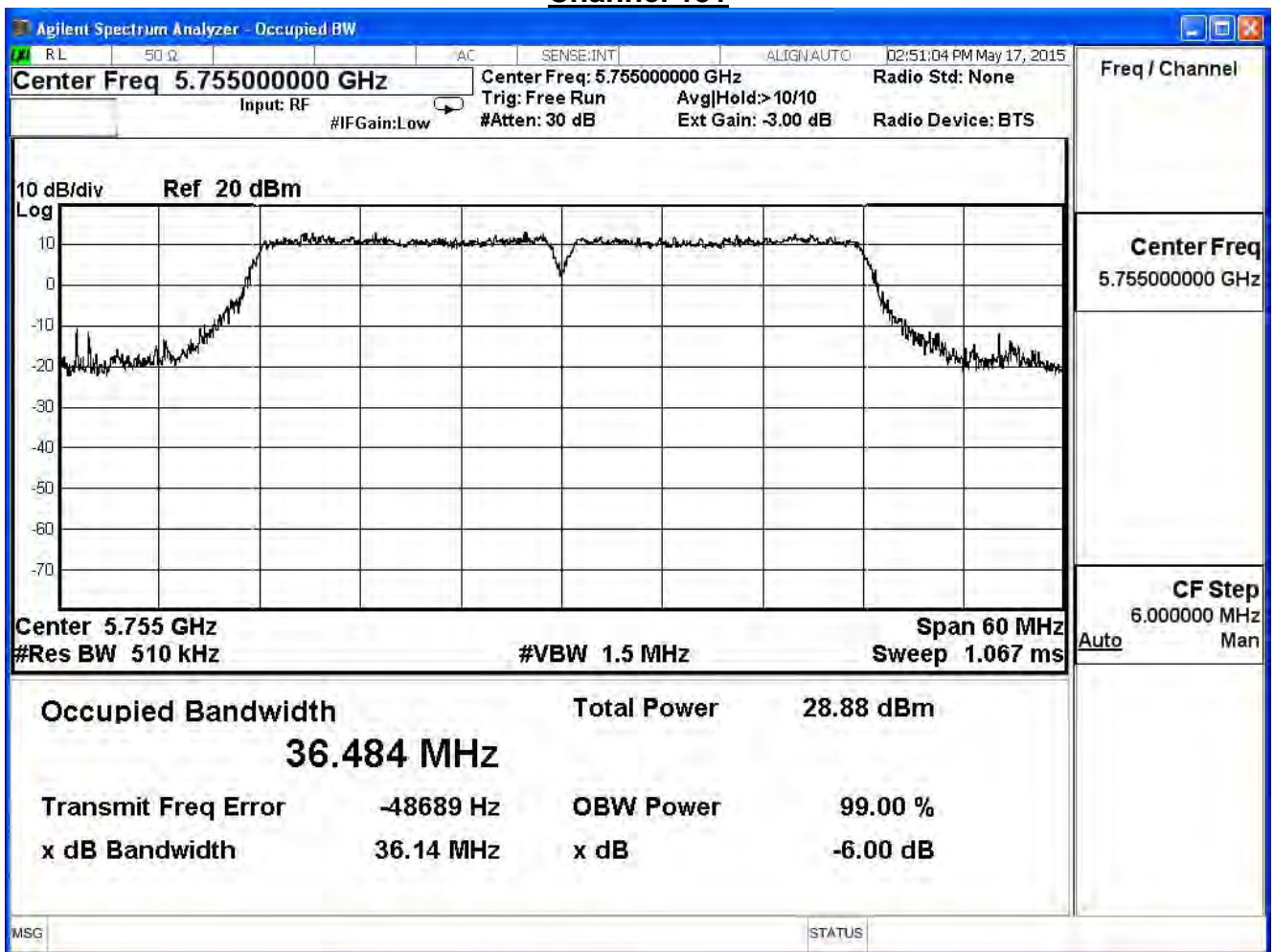
### Channel 165



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

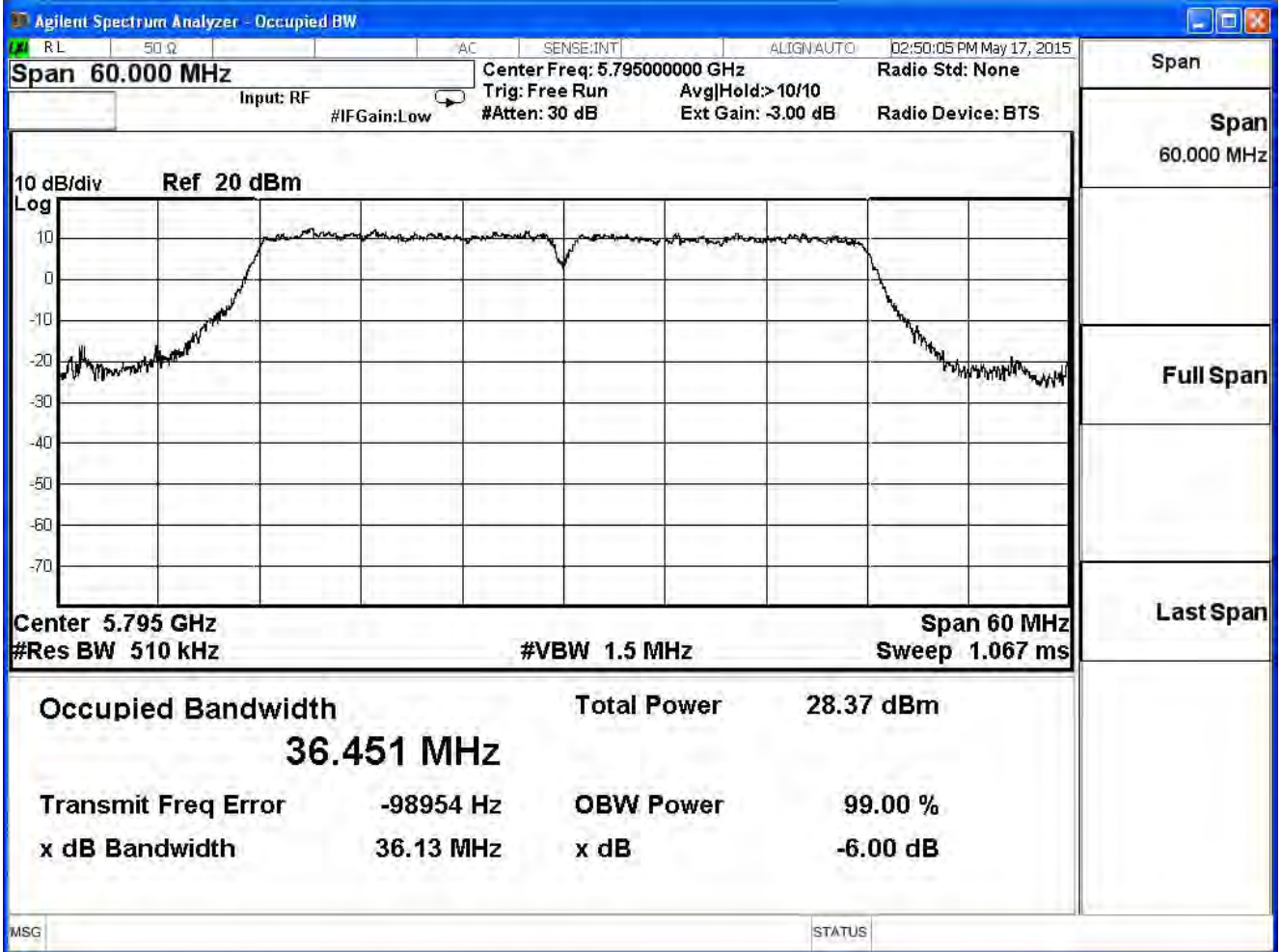
IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
151	5755	36.484	--	Pass
159	5795	36.451	--	Pass

**Channel 151**





### Channel 159

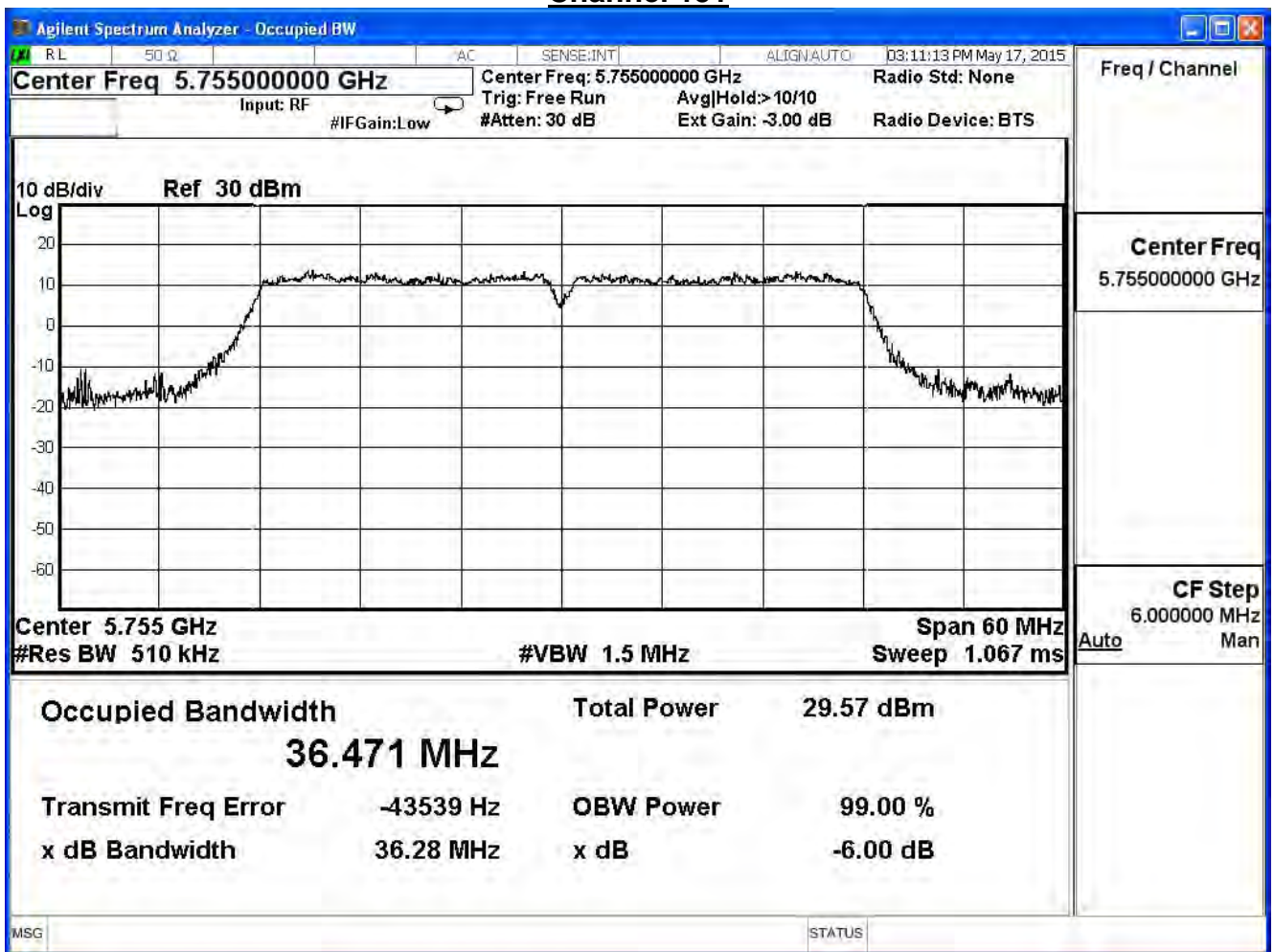




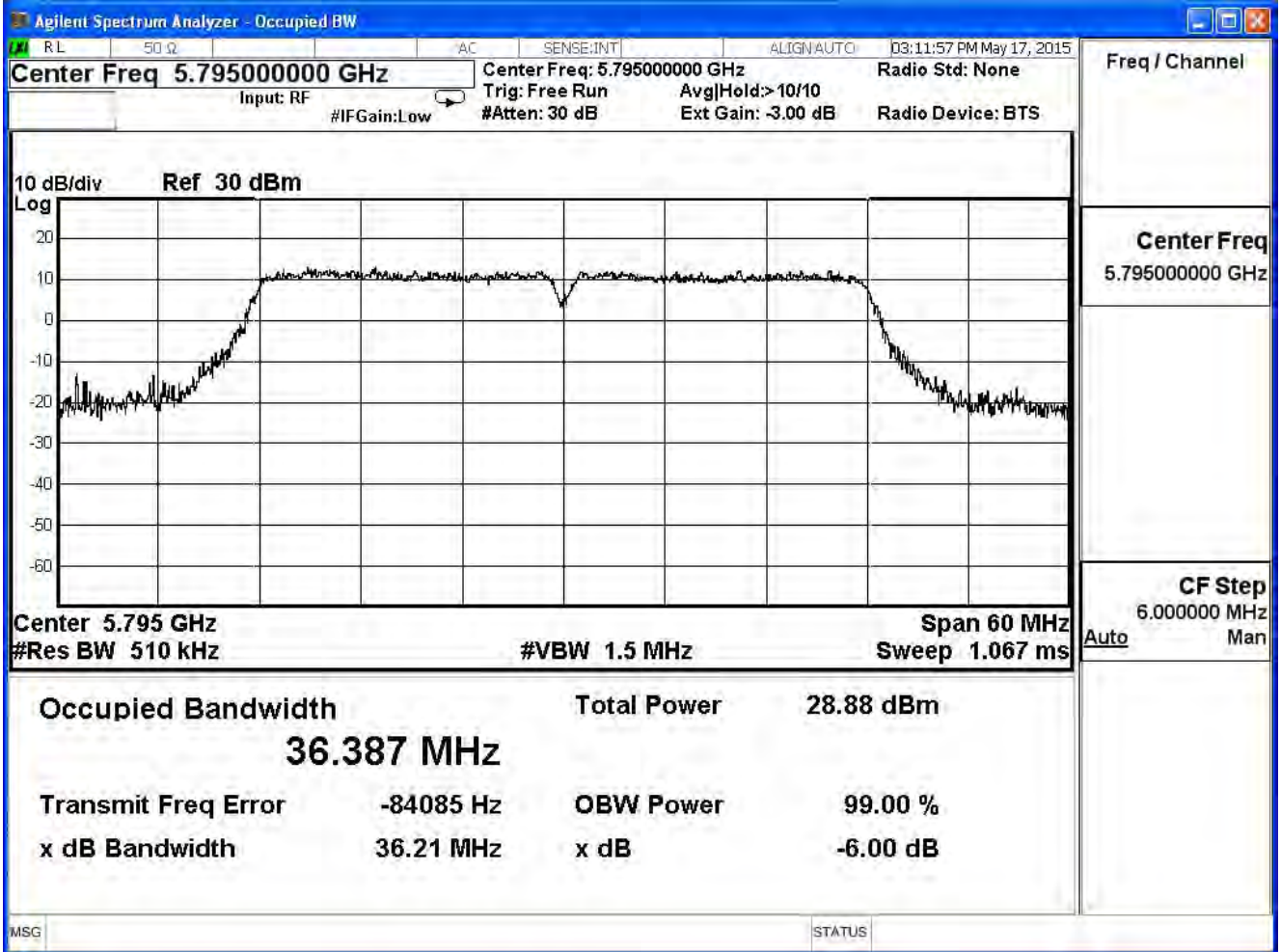
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

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**



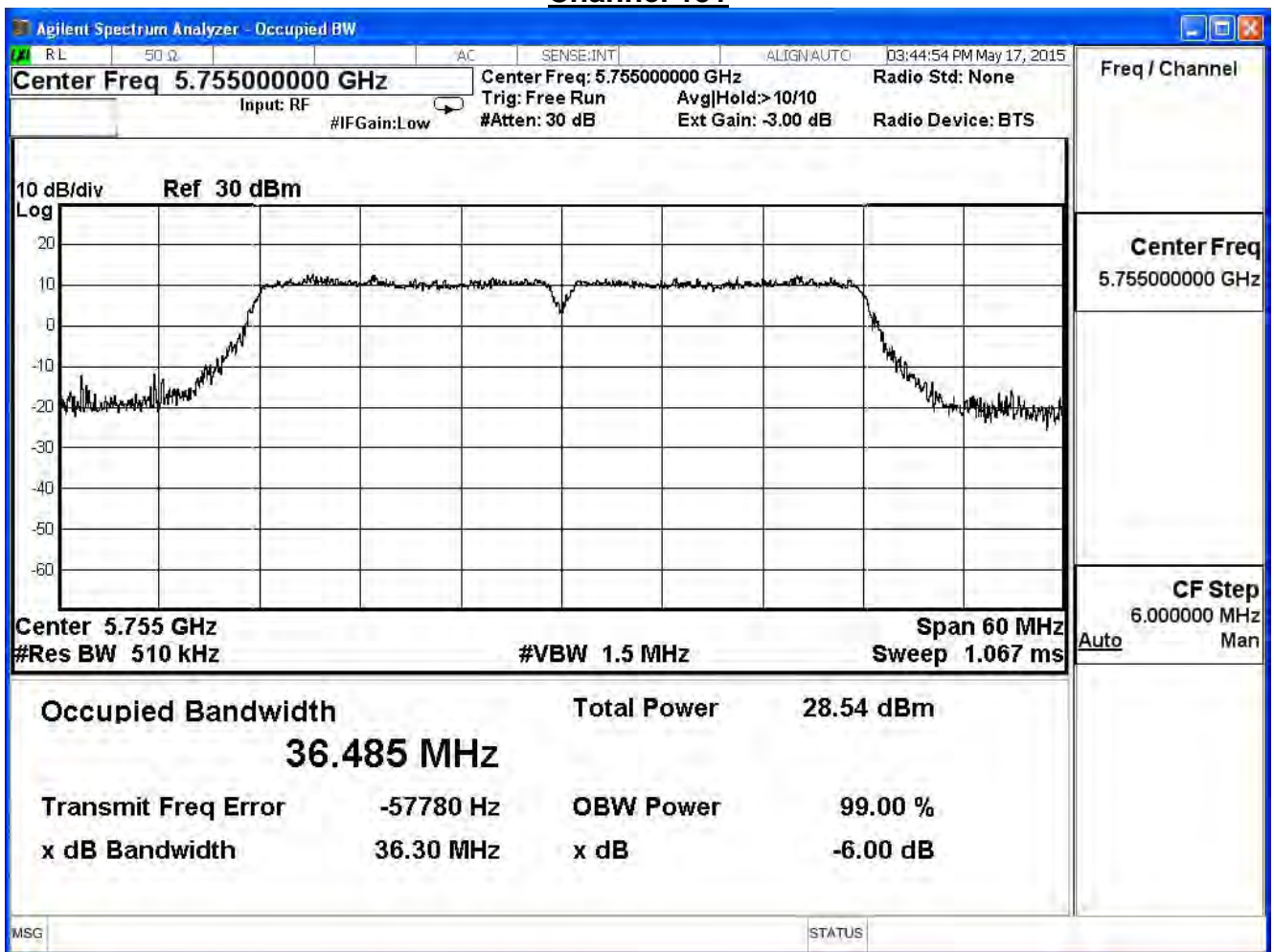
### Channel 159



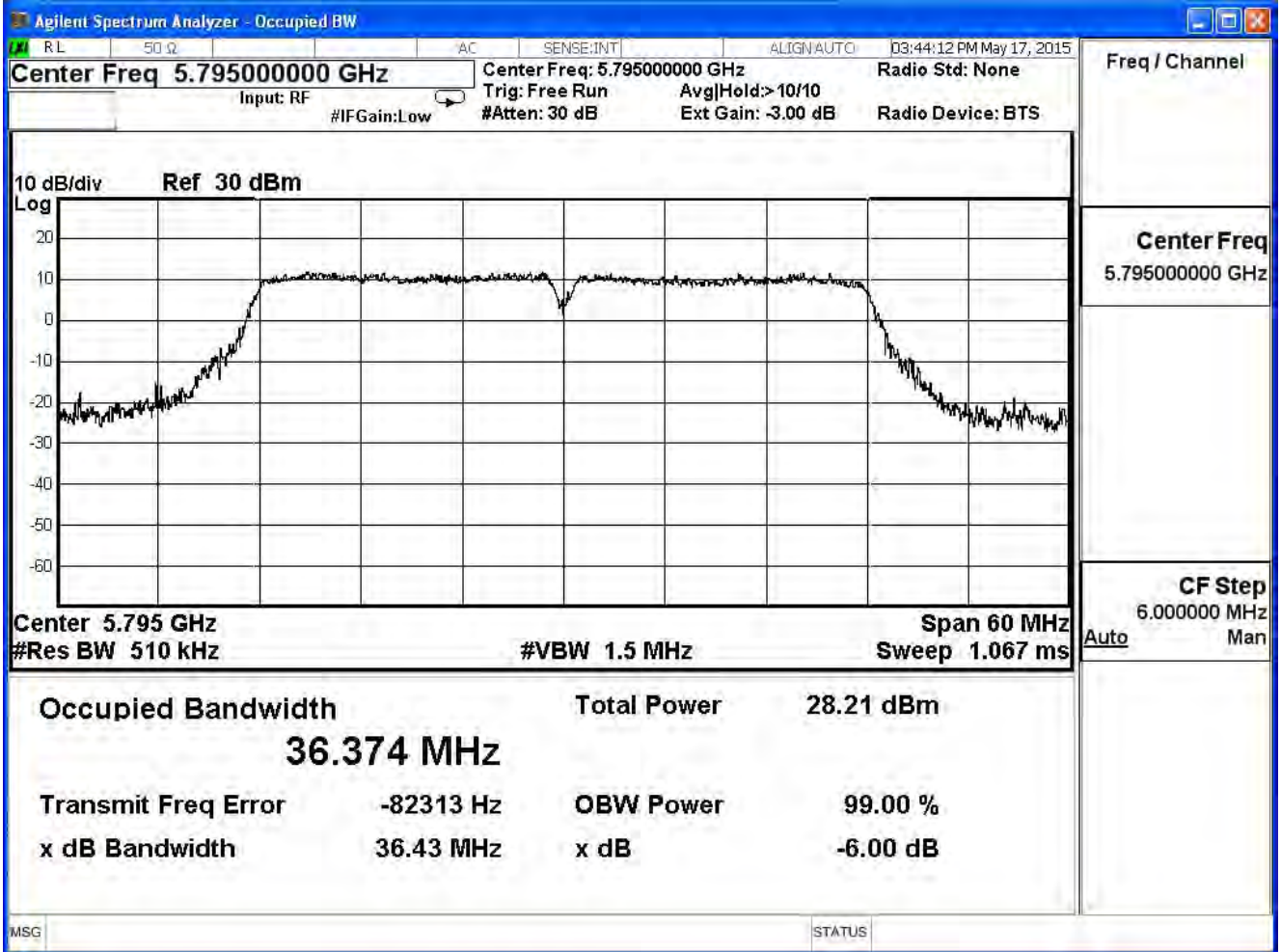
Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

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

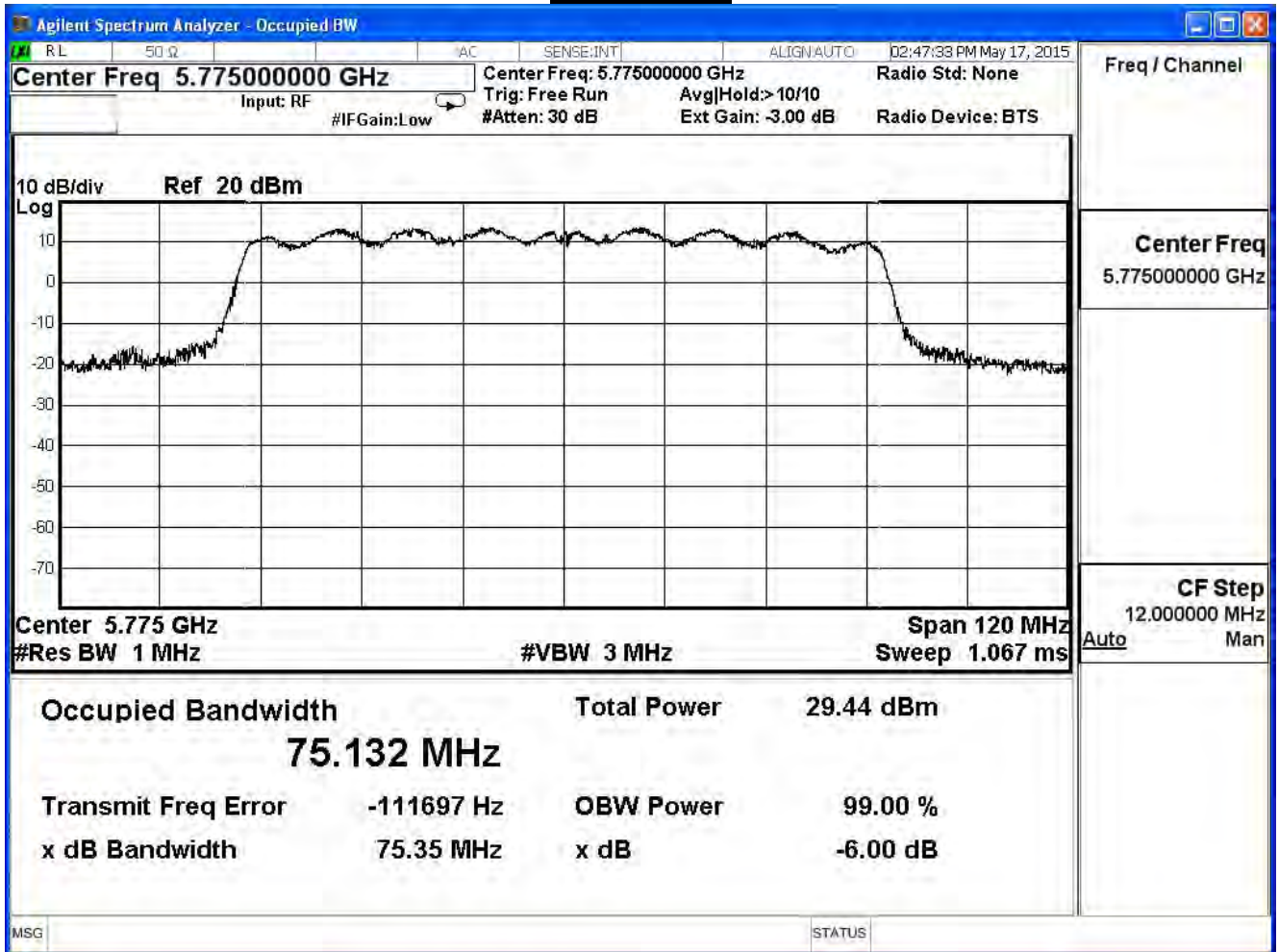




Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	75.132	--	Pass

**Channel 155**

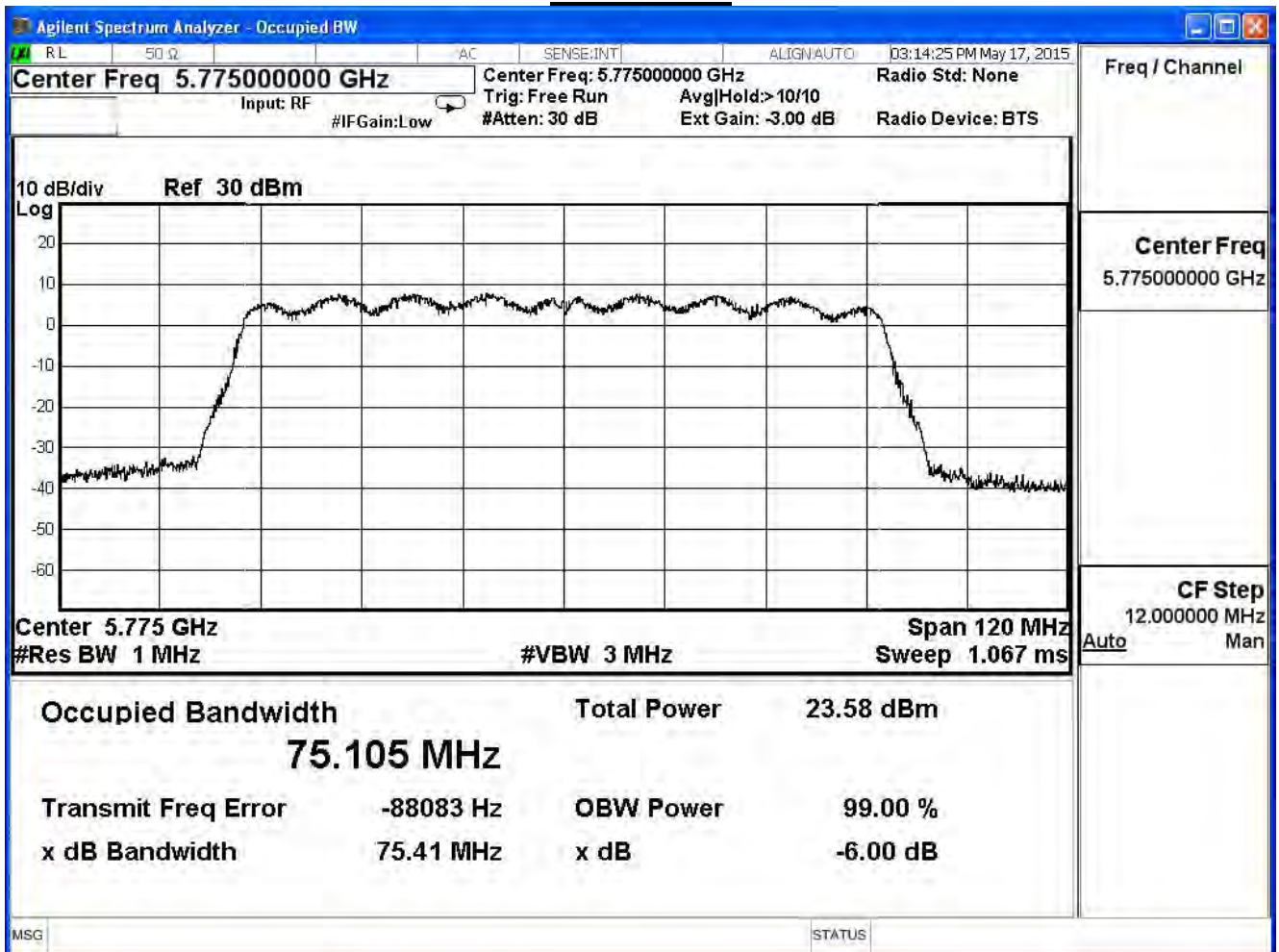




Product	Dual-band Wireless Range Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/17	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
155	5775	75.105	--	Pass

**Channel 155**





**9. Power Density**

**9.1. Test Equipment**

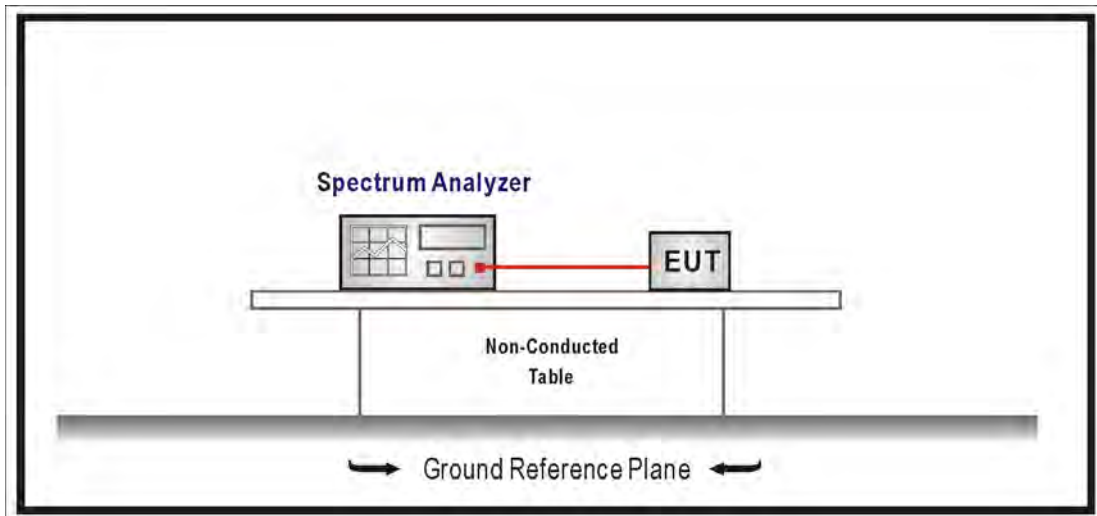
The following test equipment is used during the test:

Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14

Note: 1. 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: 2009; tested according to DTS test procedure section 10.2 of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements. Set 3KHz  $\leq$  RBW  $\leq$  100 kHz, Set VBW  $\geq$  3xRBW, 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  $\pm 1.27$ dB.

**9.7. Test Result**

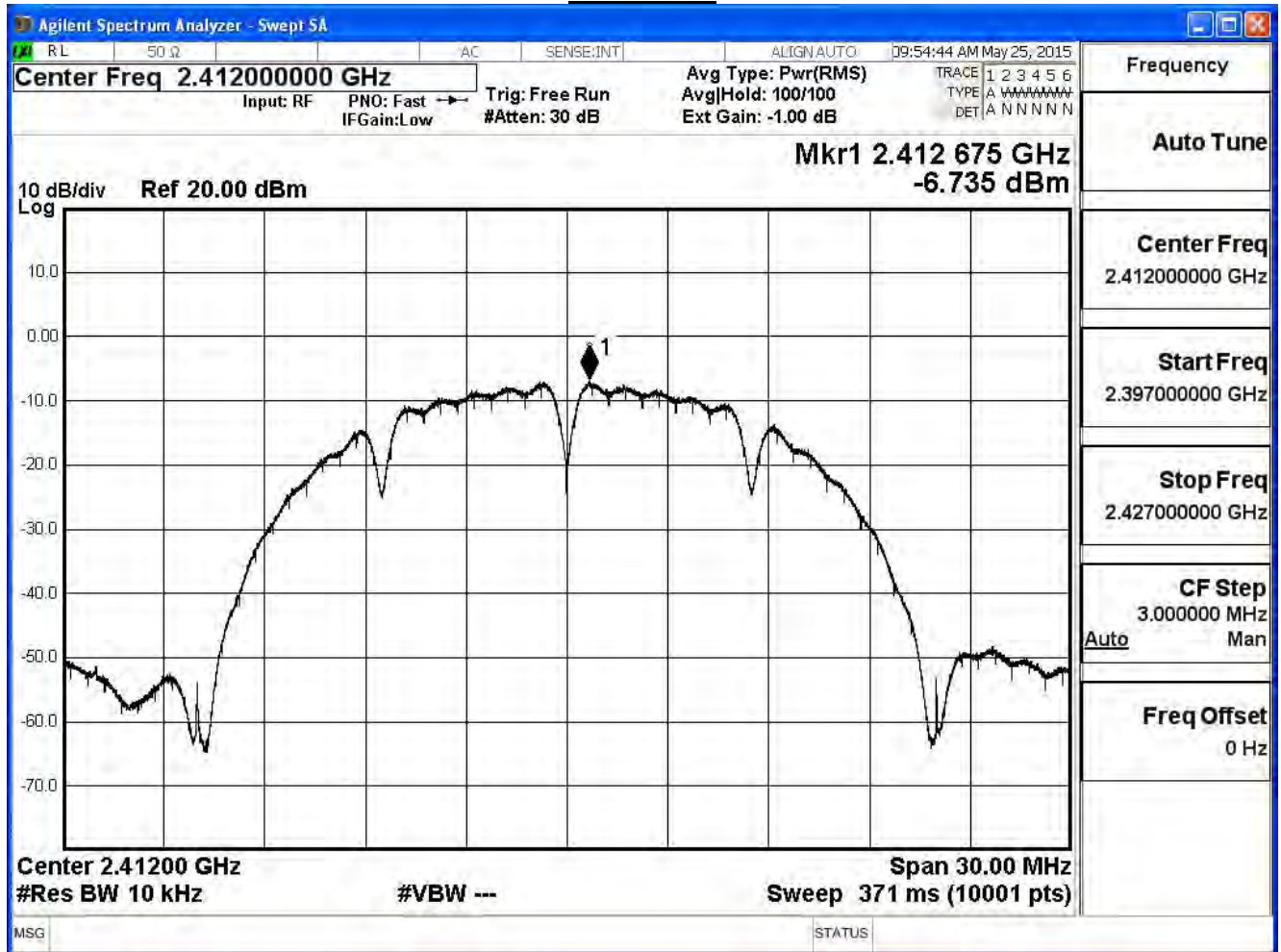
Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-6.735	≤ 5.66	Pass
6	2437	-4.193	≤ 5.66	Pass
11	2462	-10.980	≤ 5.66	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 3.57 = 8.34\text{dBi}$

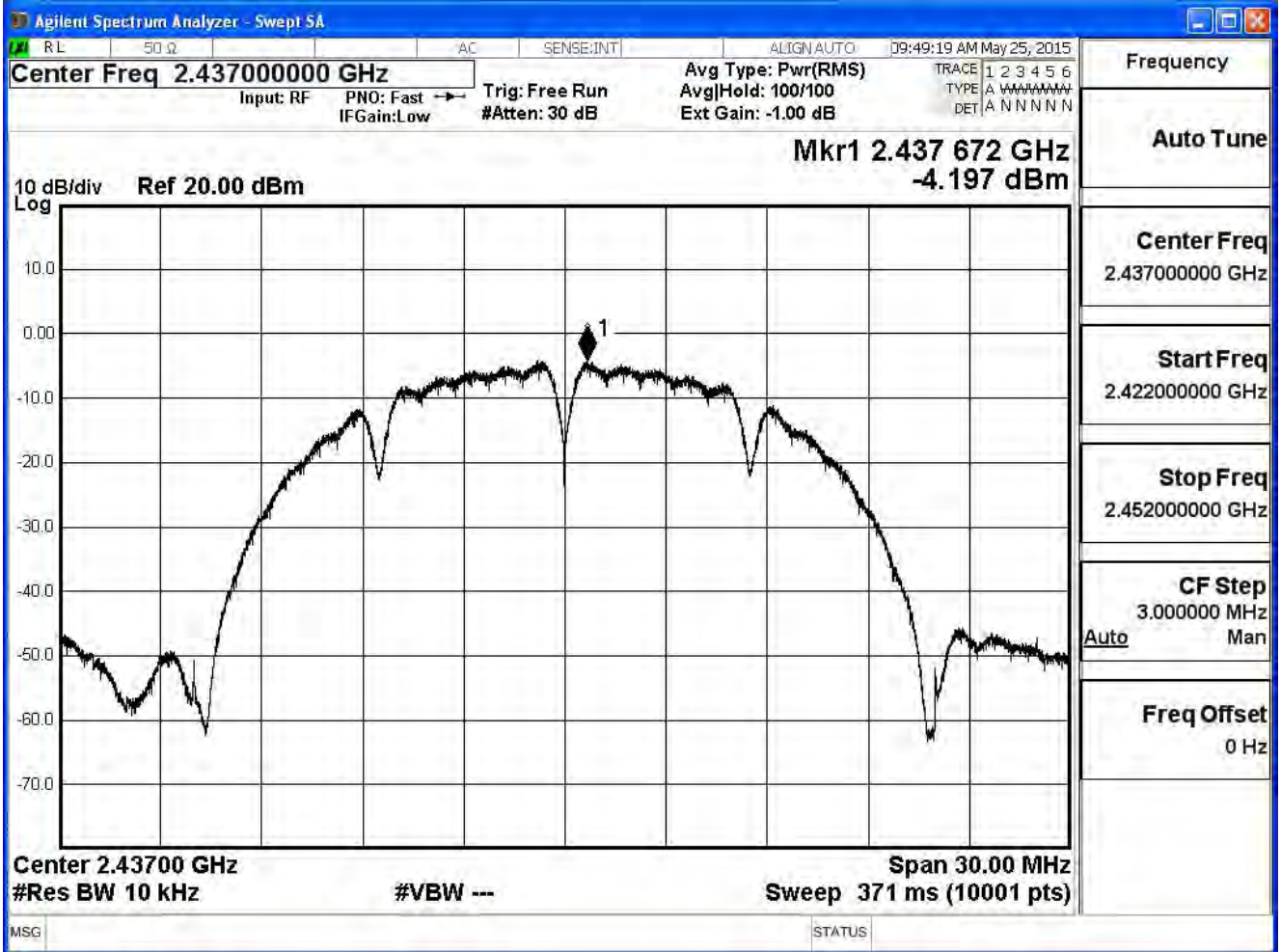
Power Density Limit:  $8\text{dBm} - (8.34\text{dBi} - 6\text{dB}) = 5.66\text{dBm/MHz}$

**Channel 1**



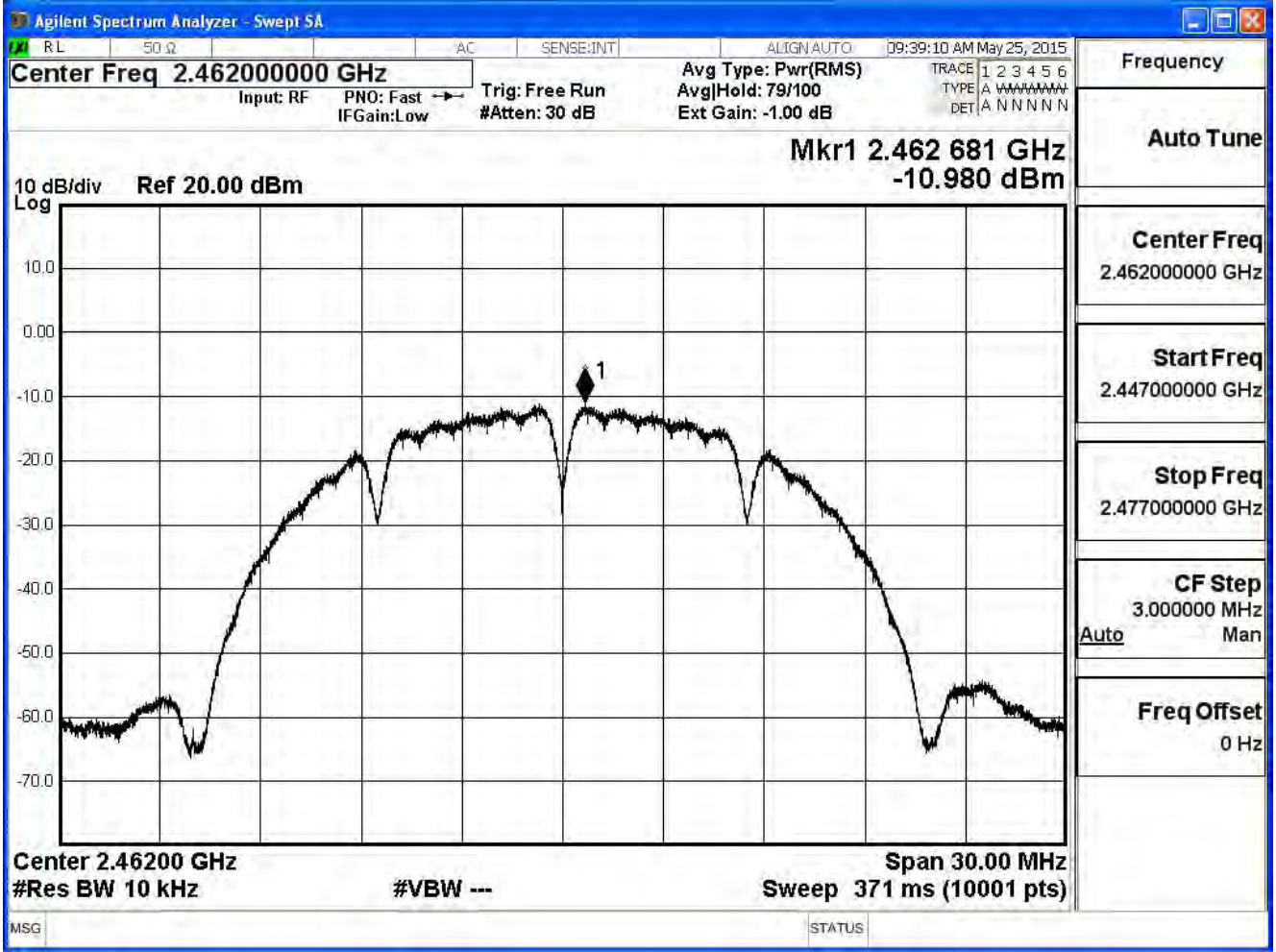


### Channel 6





**Channel 11**

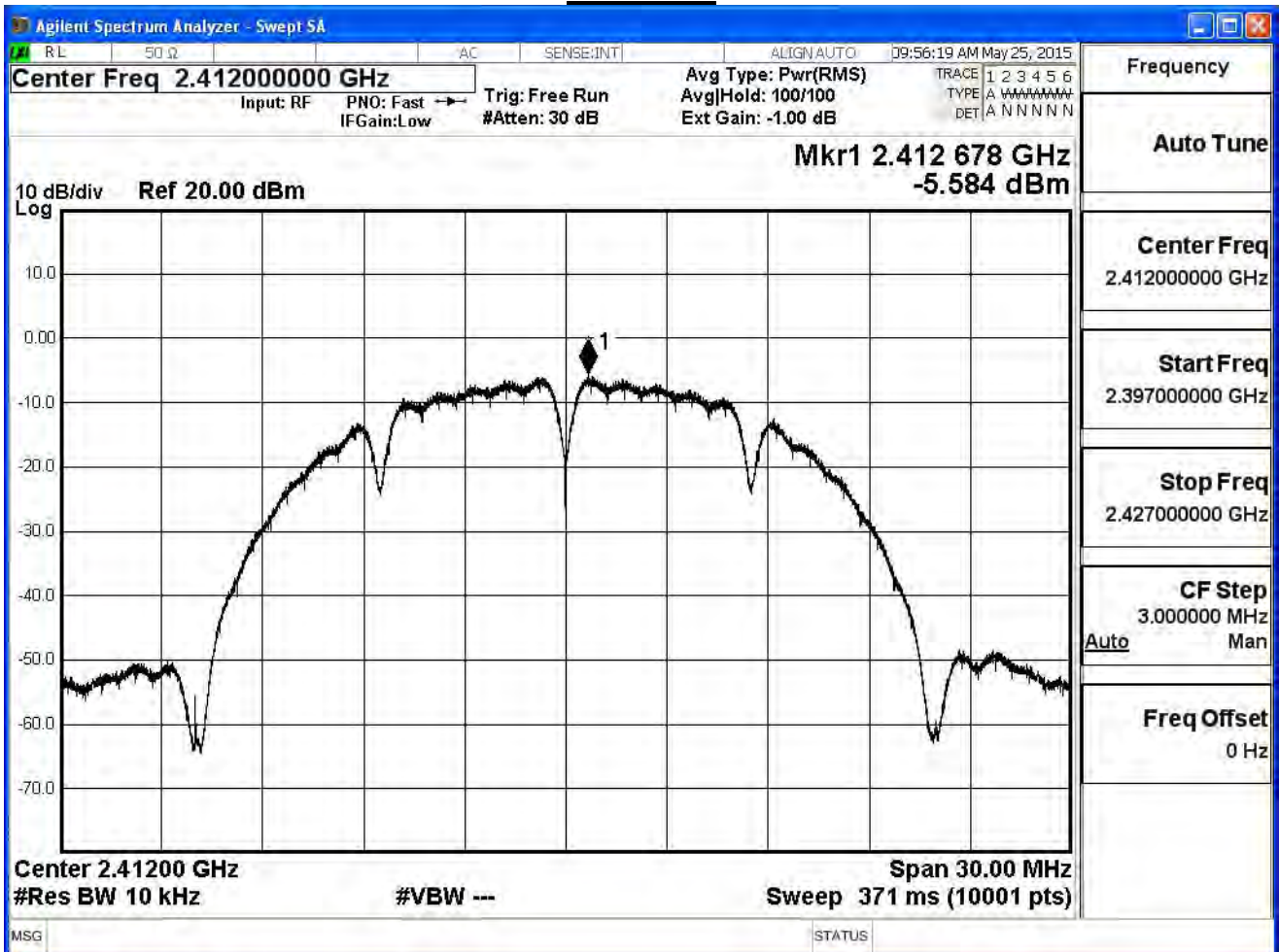


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-5.584	≤ 5.66	Pass
6	2437	-3.517	≤ 5.66	Pass
11	2462	-10.101	≤ 5.66	Pass

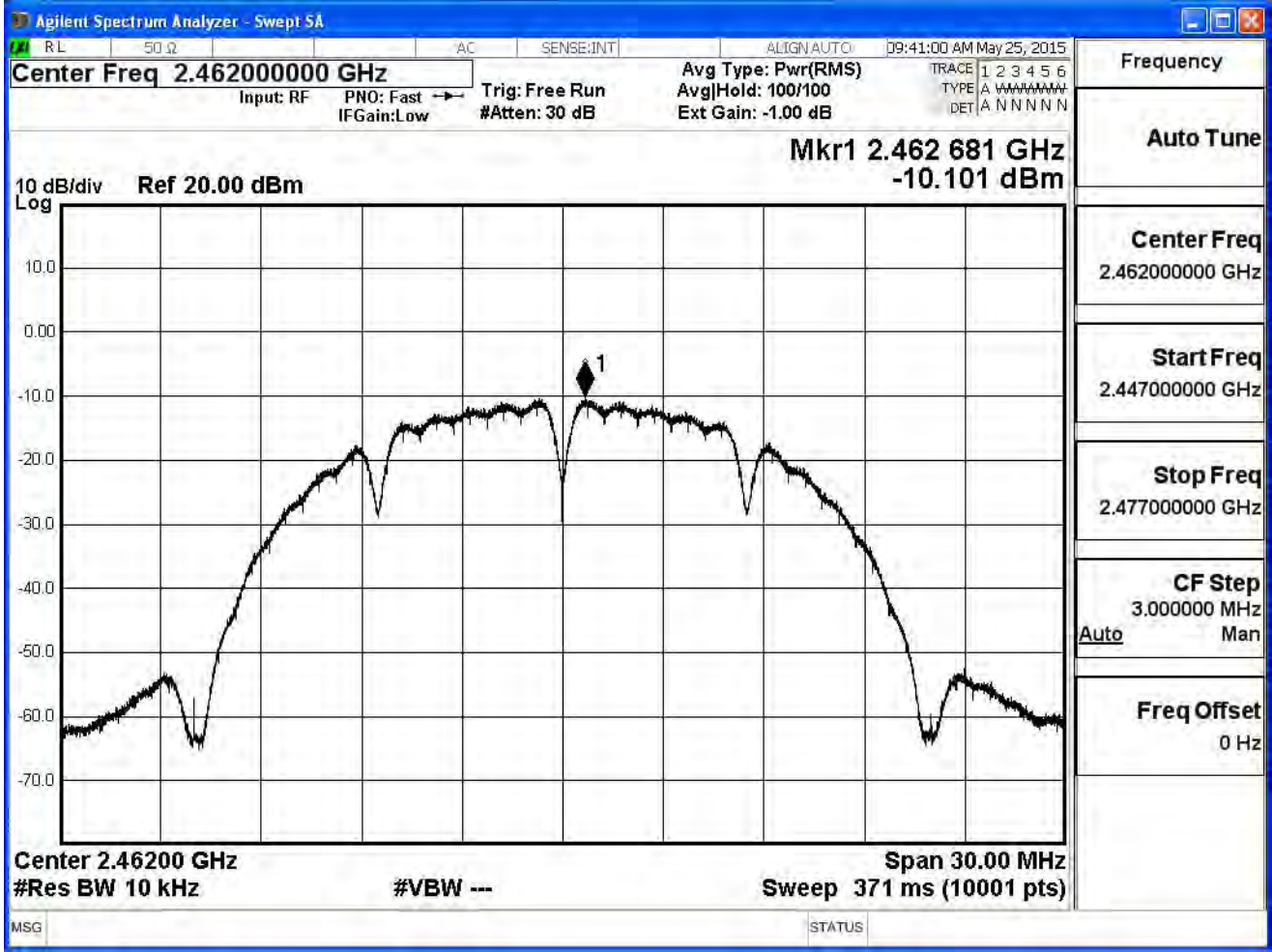
Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 3.57 = 8.34\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (8.34\text{dBi} - 6\text{dB}) = 5.66\text{dBm}/\text{MHz}$

### Channel 1





**Channel 11**



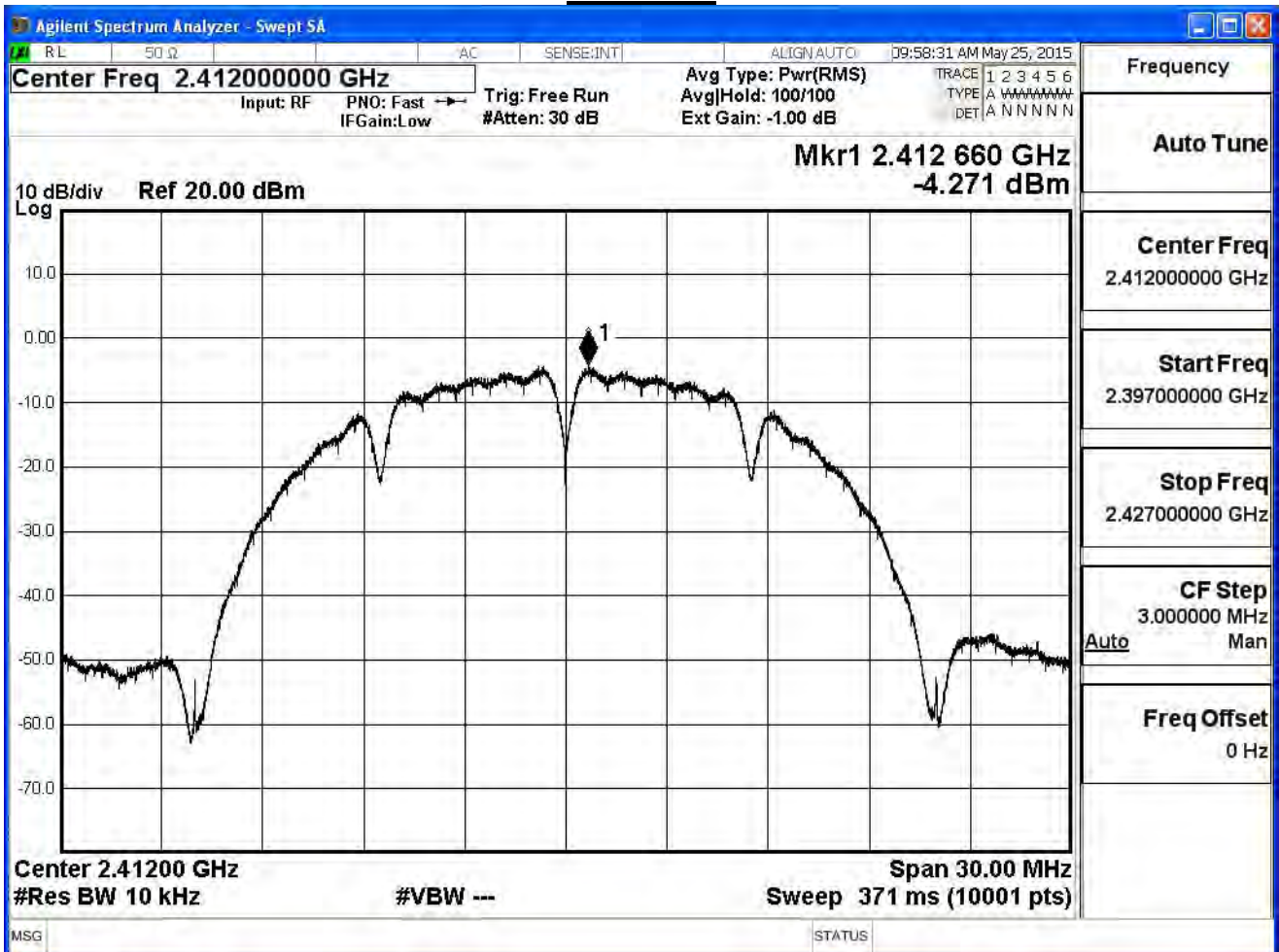


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11b (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-4.271	≤ 5.66	Pass
6	2437	-2.456	≤ 5.66	Pass
11	2462	-9.558	≤ 5.66	Pass

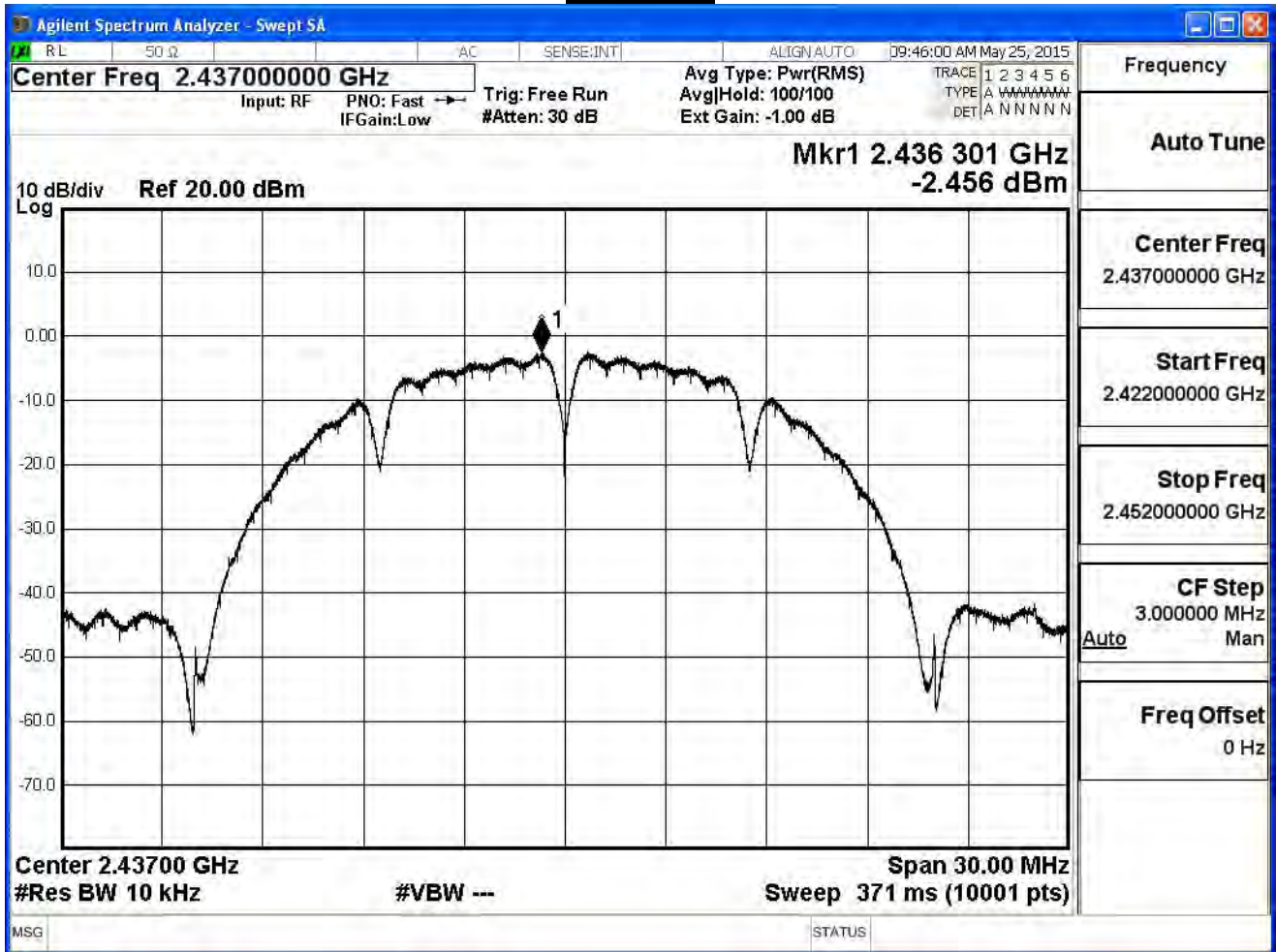
Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 3.57 = 8.34\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (8.34\text{dBi} - 6\text{dB}) = 5.66\text{dBm}/\text{MHz}$

### Channel 1

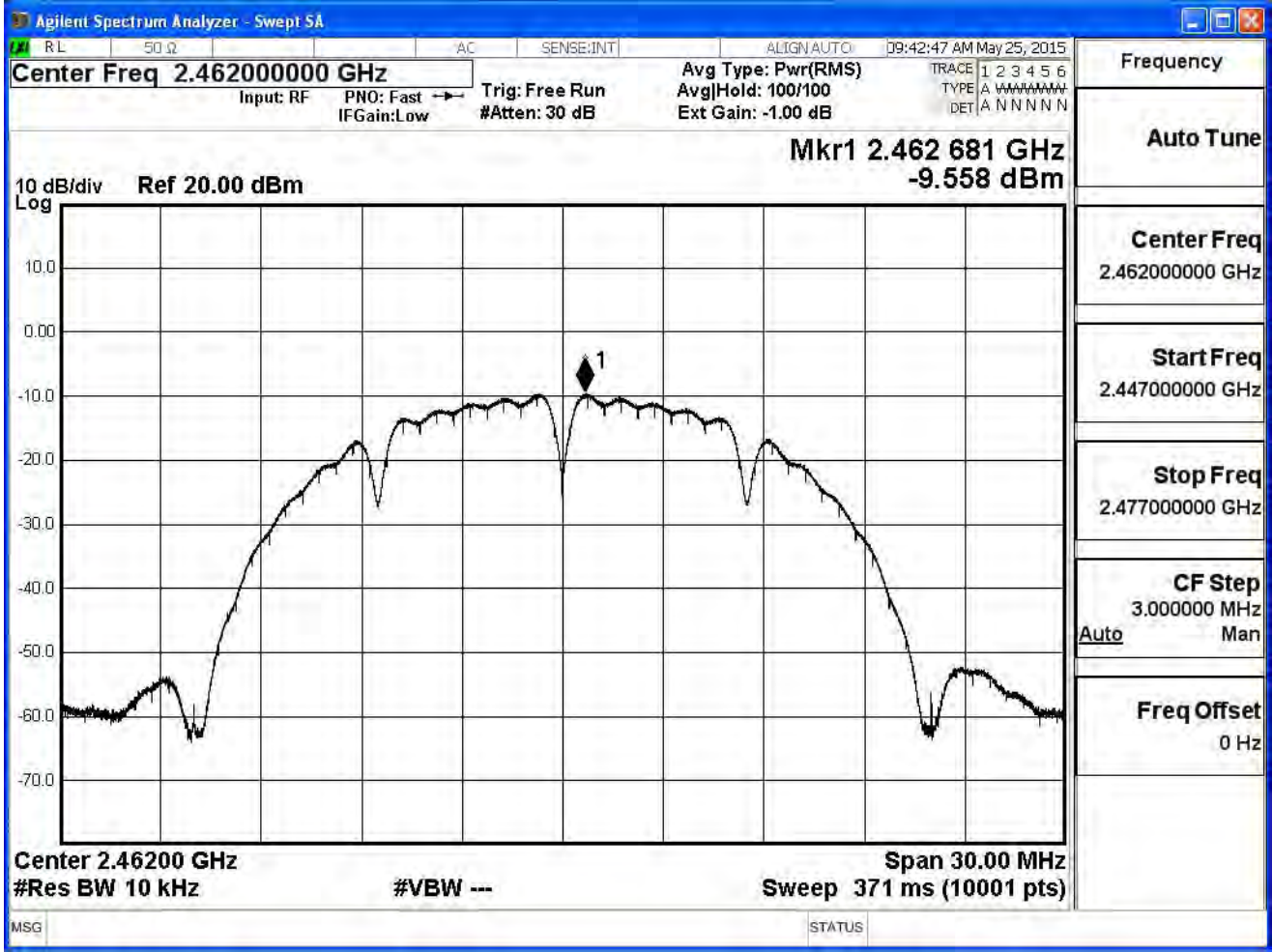




**Channel 6**



**Channel 11**



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11b (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-0.642	≤ 5.66	Pass
6	2437	1.442	≤ 5.66	Pass
11	2462	-5.403	≤ 5.66	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 3.57 = 8.34\text{dBi}$

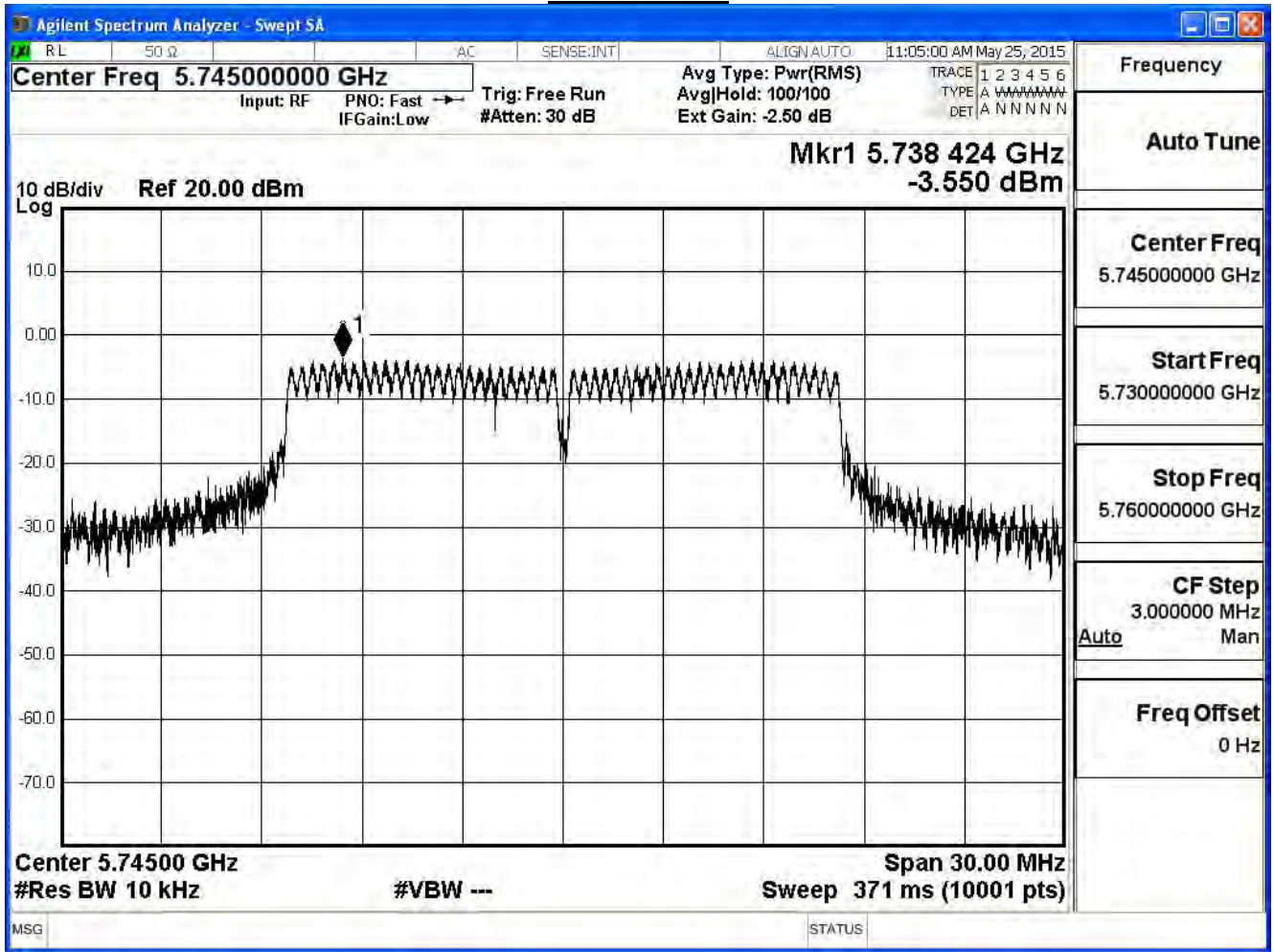
Power Density Limit:  $8\text{dBm} - (8.34\text{dBi} - 6\text{dB}) = 5.66\text{dBm/MHz}$

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

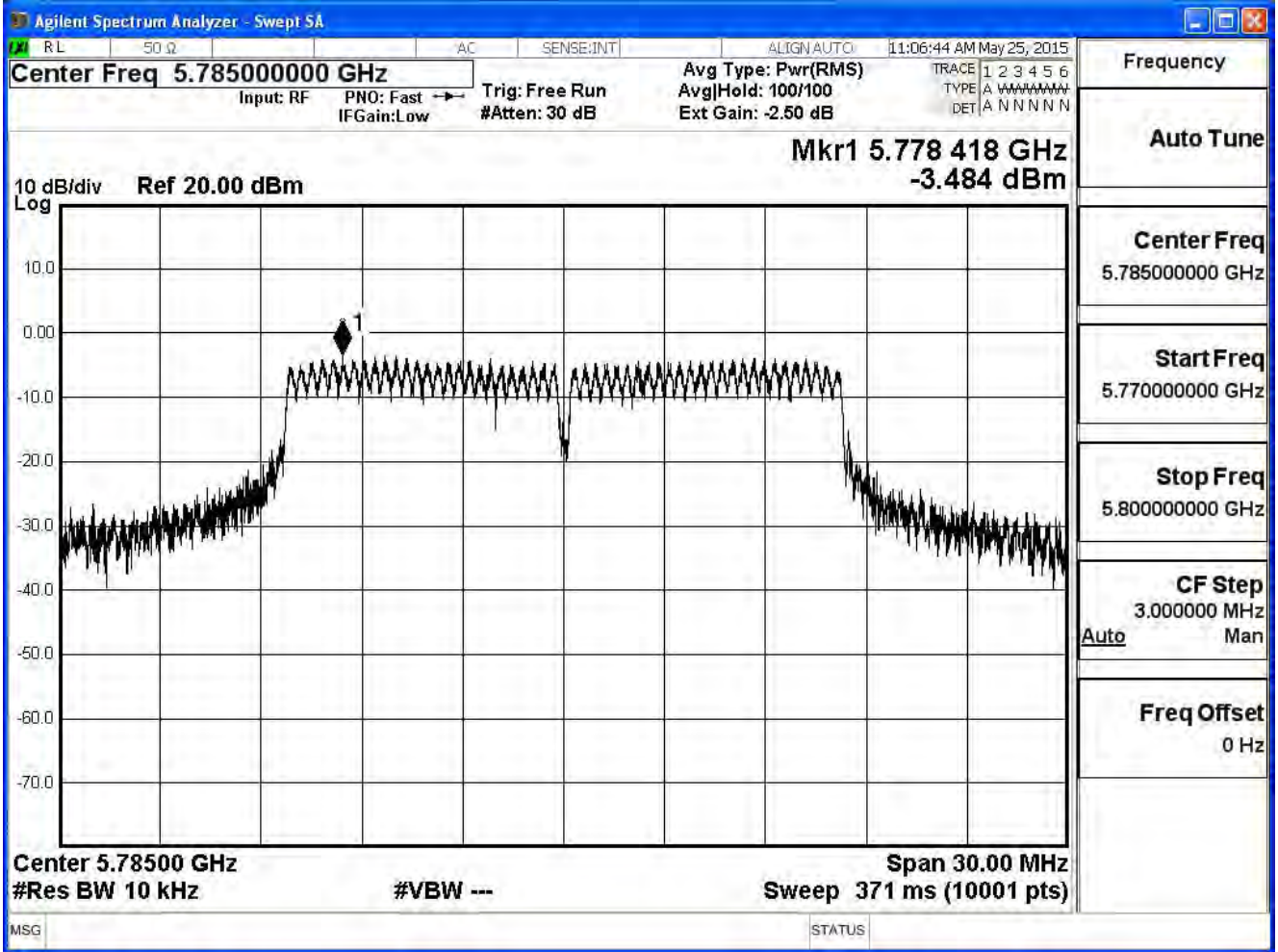
IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.55	≤ 4.63	Pass
157	5785	-3.48	≤ 4.63	Pass
165	5825	-5.79	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant } N) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

**Channel 149**

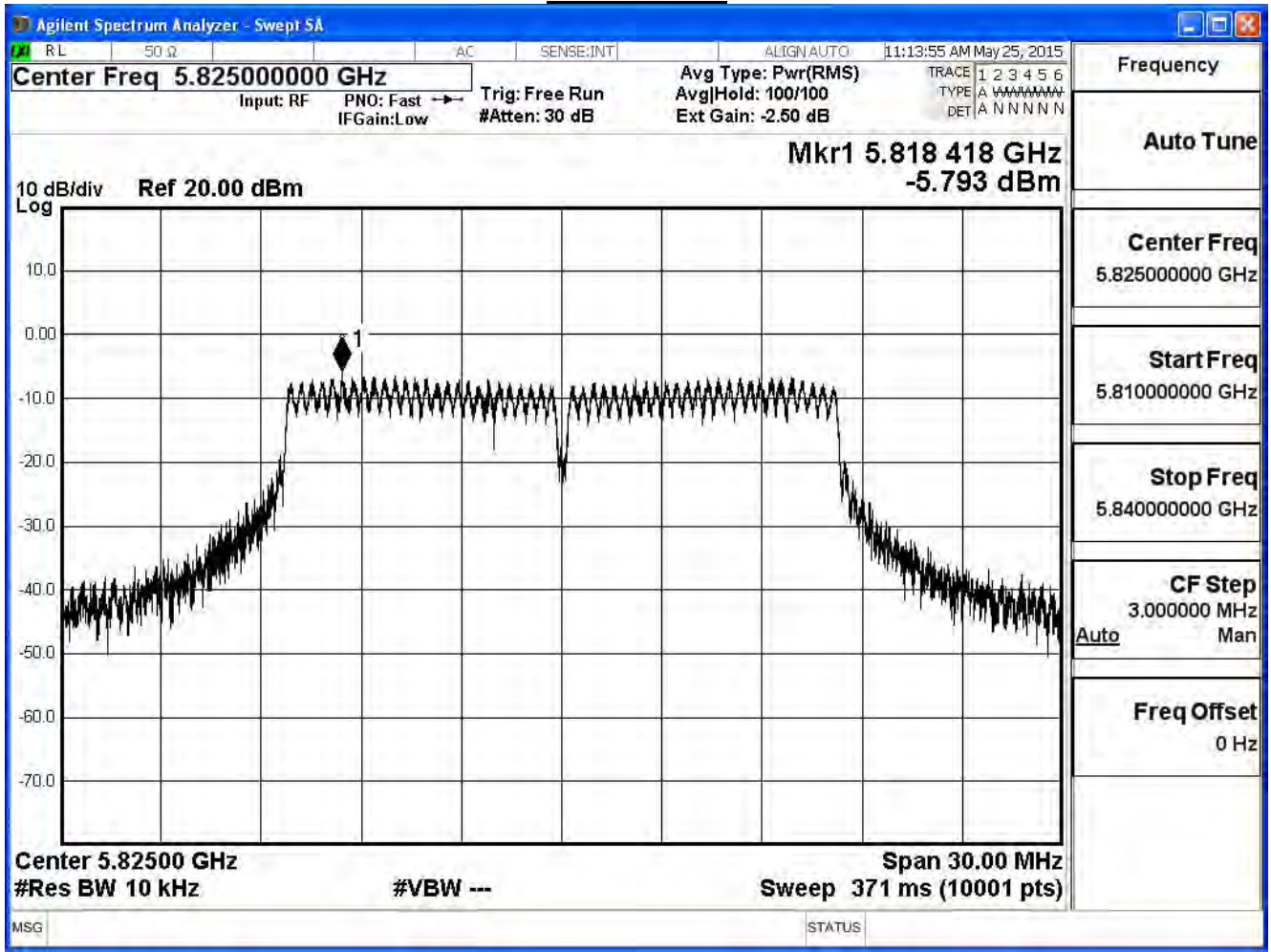


### Channel 157





**Channel 165**

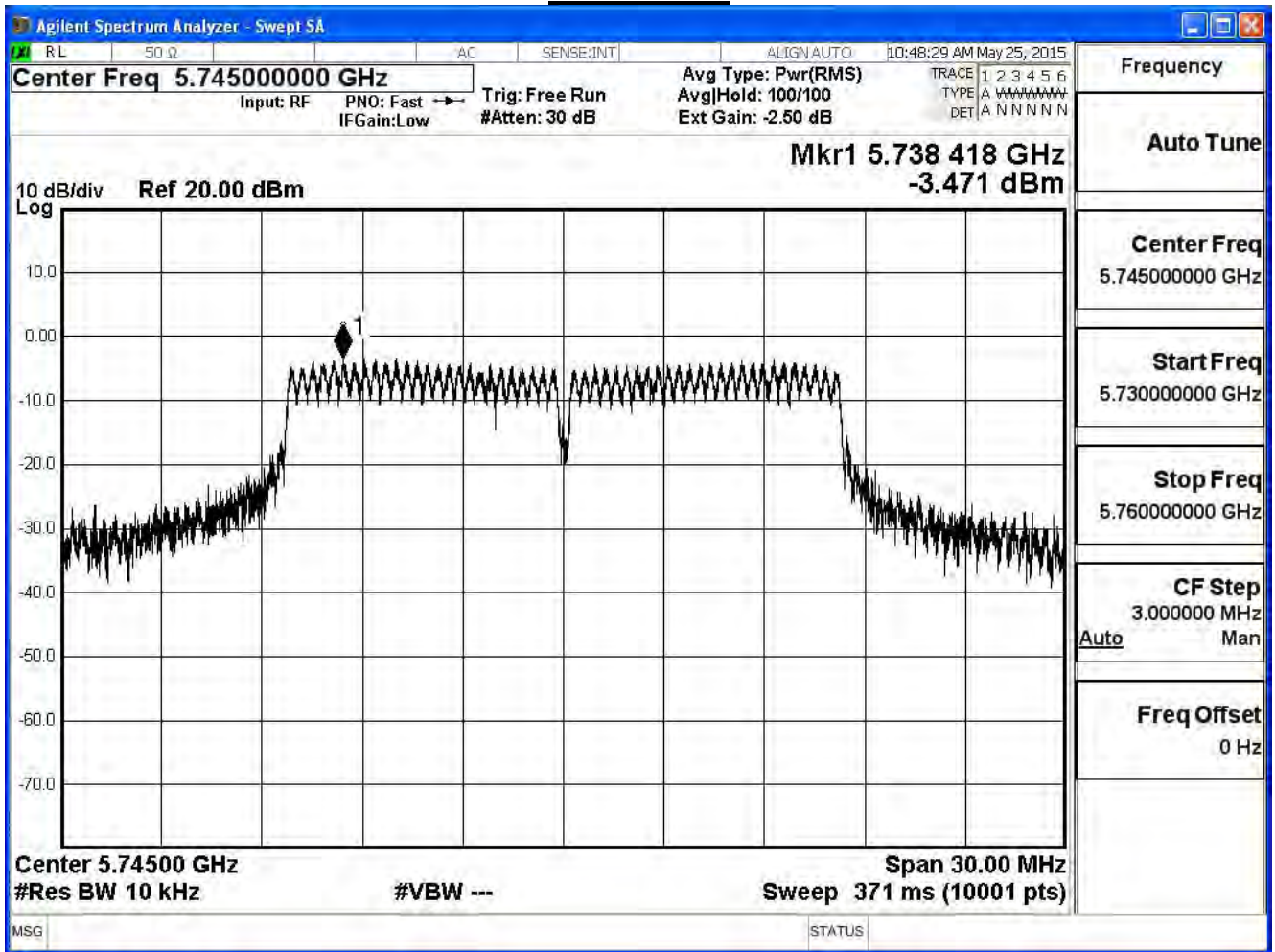


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

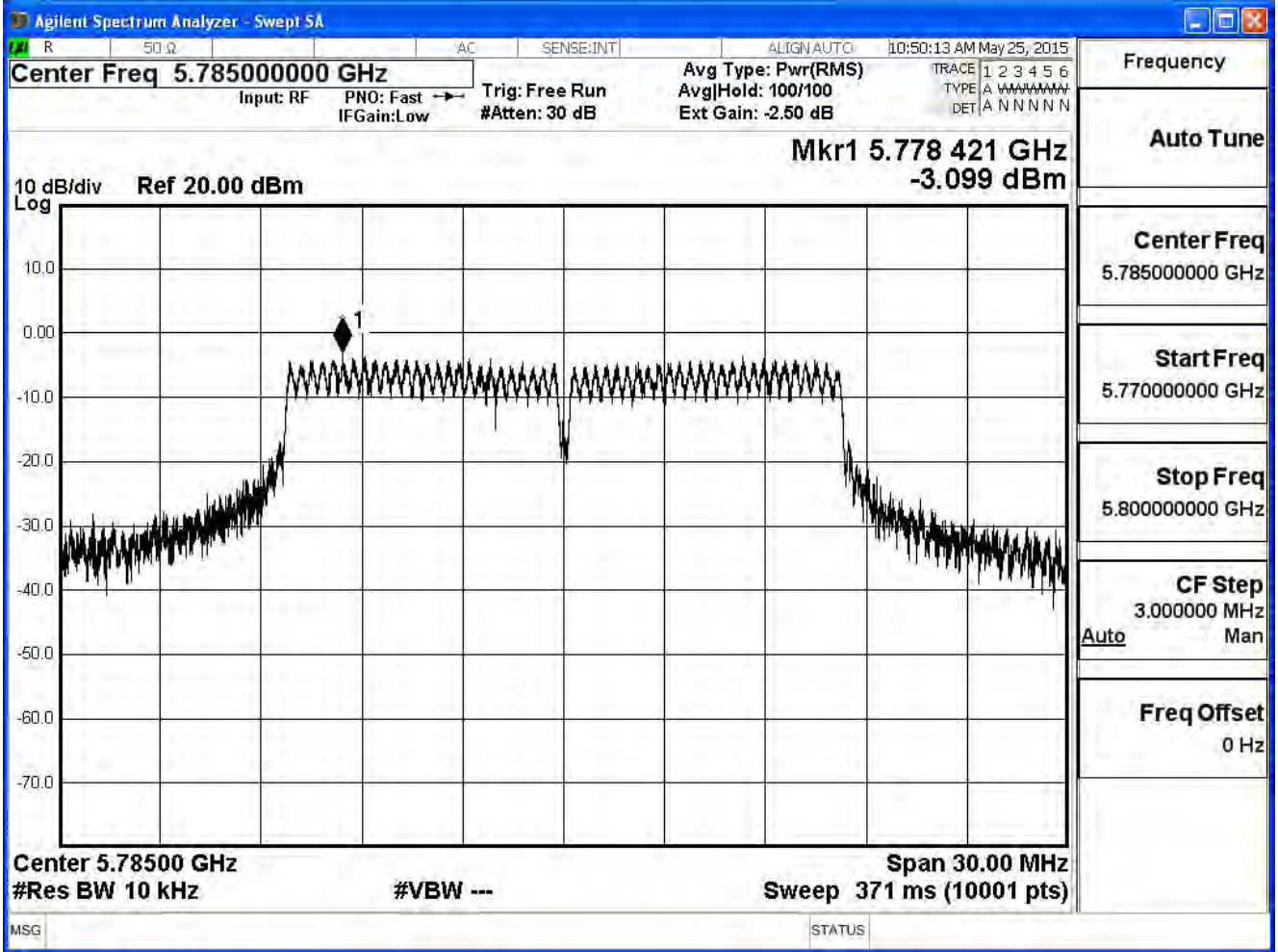
IEEE 802.11a (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.47	≤ 4.63	Pass
157	5785	-3.10	≤ 4.63	Pass
165	5825	-6.04	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

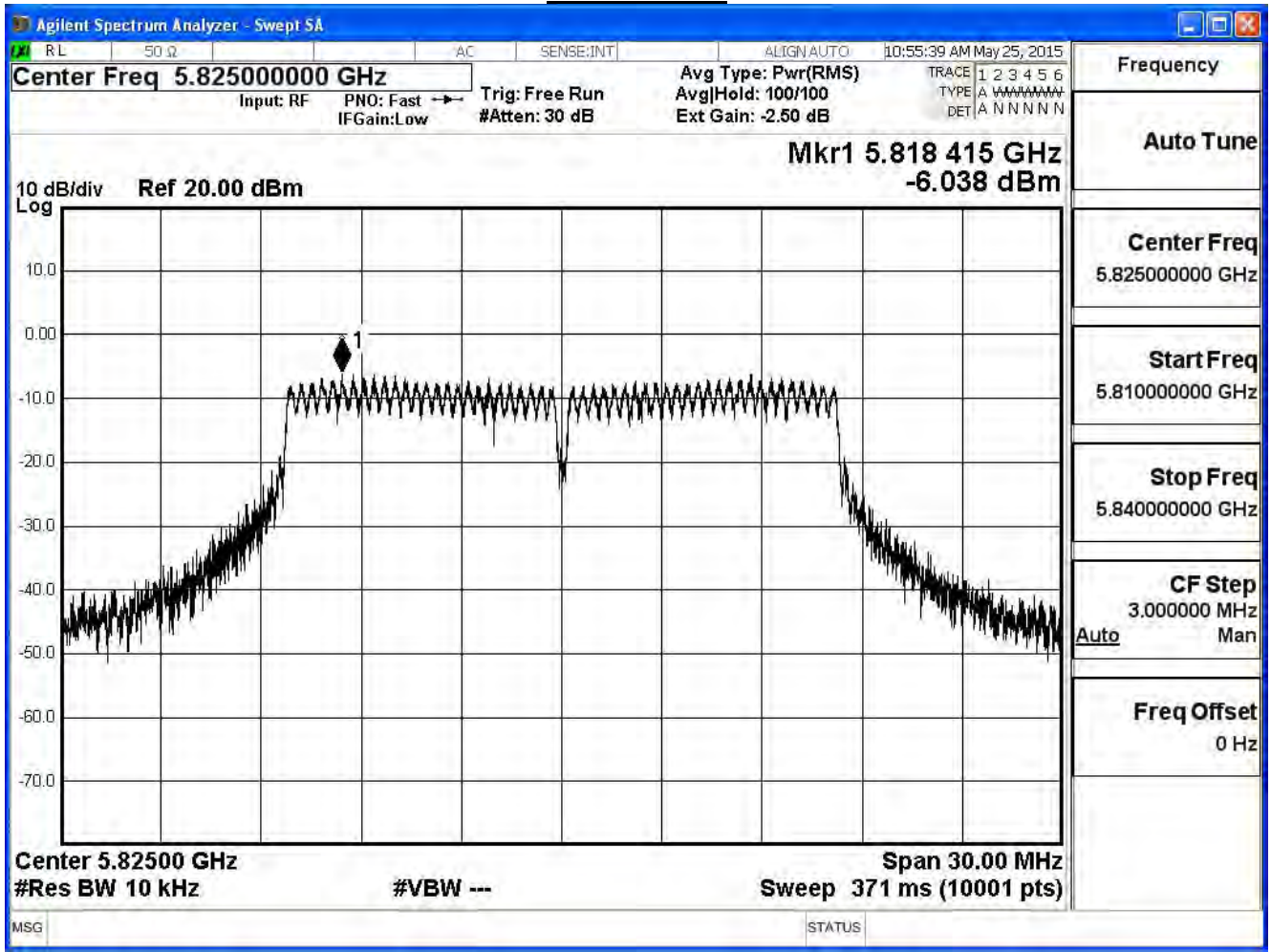
### Channel 149



### Channel 157



### Channel 165



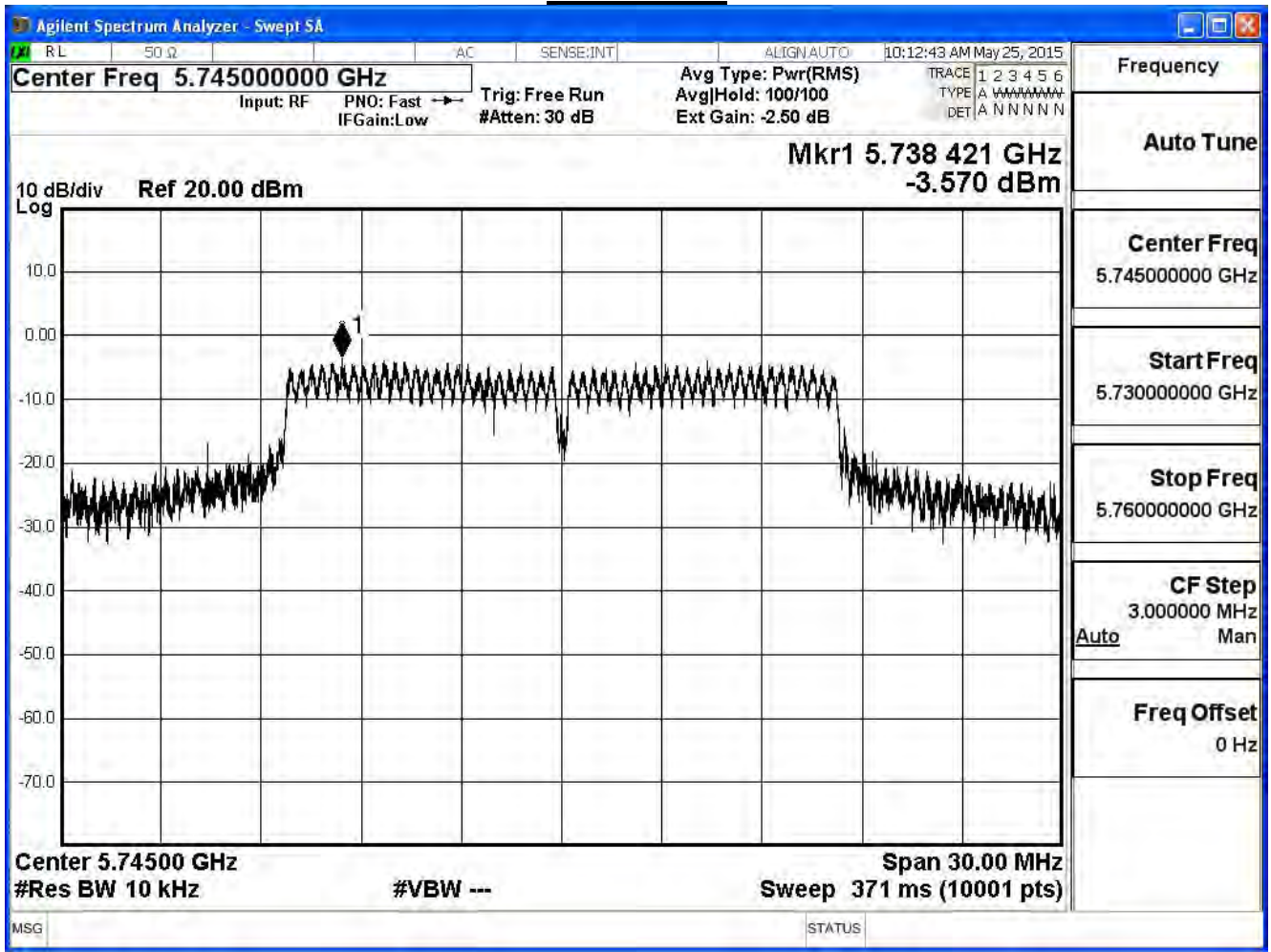


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11a (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.57	≤ 4.63	Pass
157	5785	-3.62	≤ 4.63	Pass
165	5825	-6.49	≤ 4.63	Pass

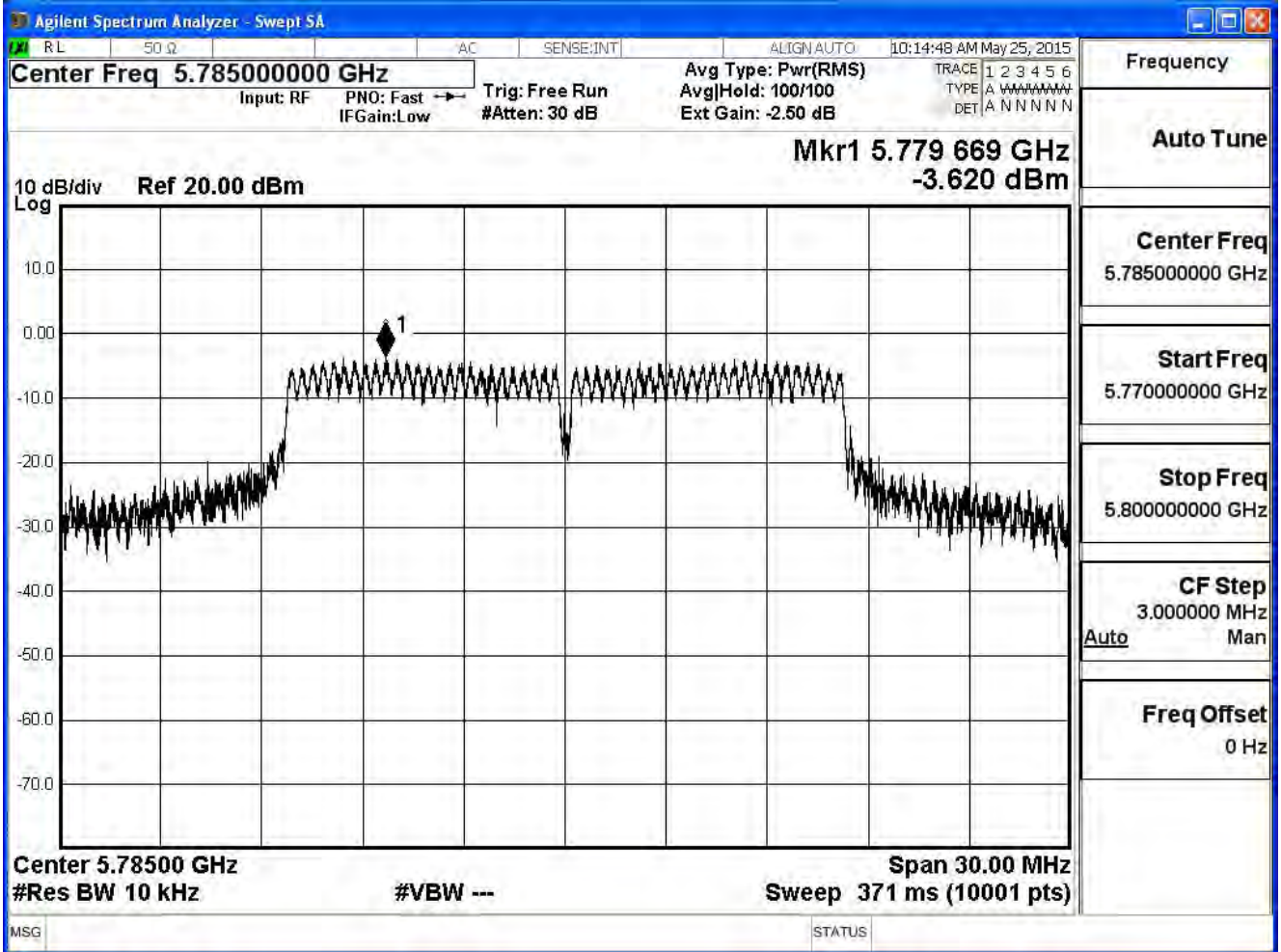
Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

### Channel 149

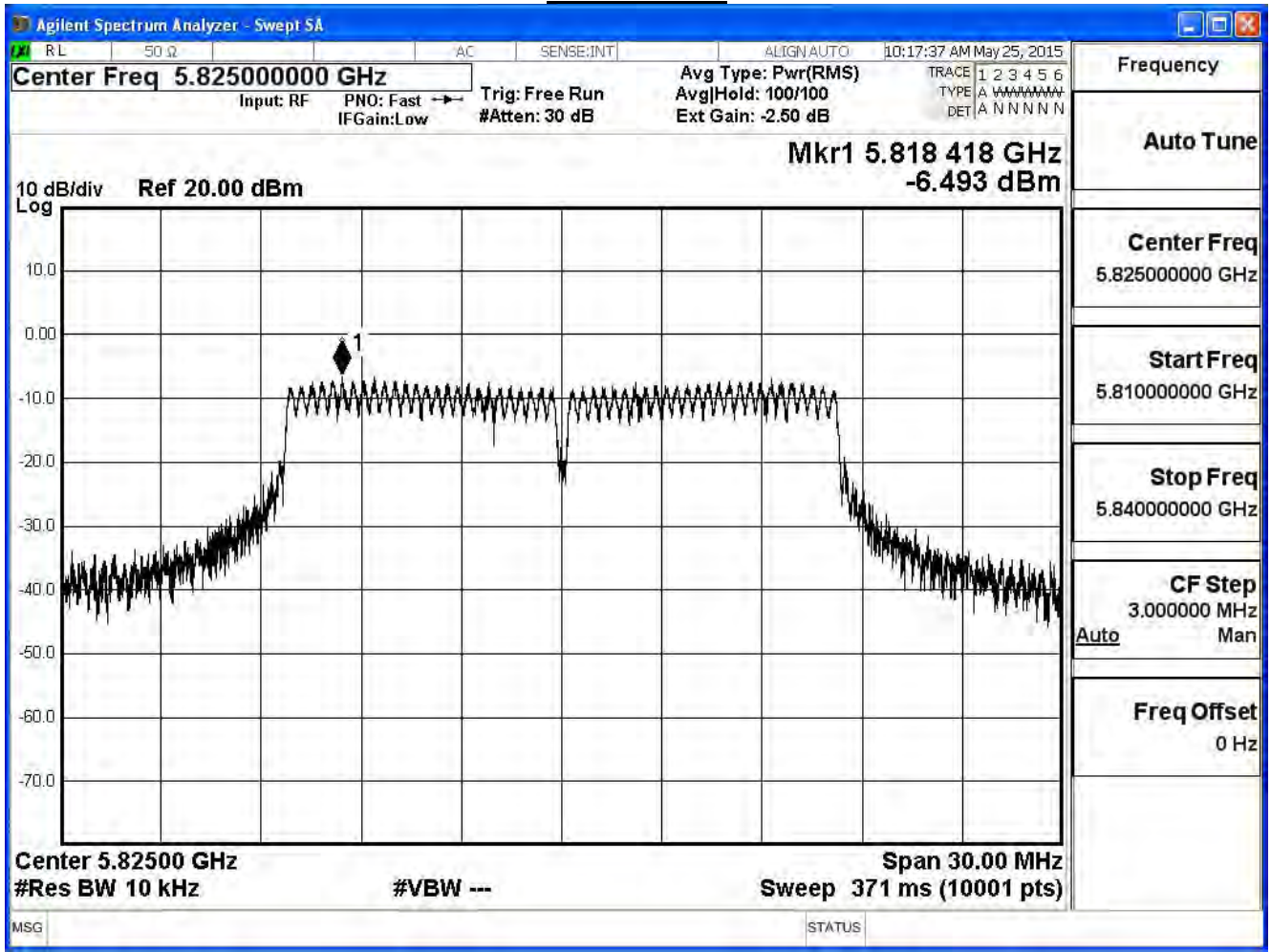




### Channel 157



### Channel 165



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11a (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	1.24	≤ 4.63	Pass
157	5785	1.38	≤ 4.63	Pass
165	5825	-1.33	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$

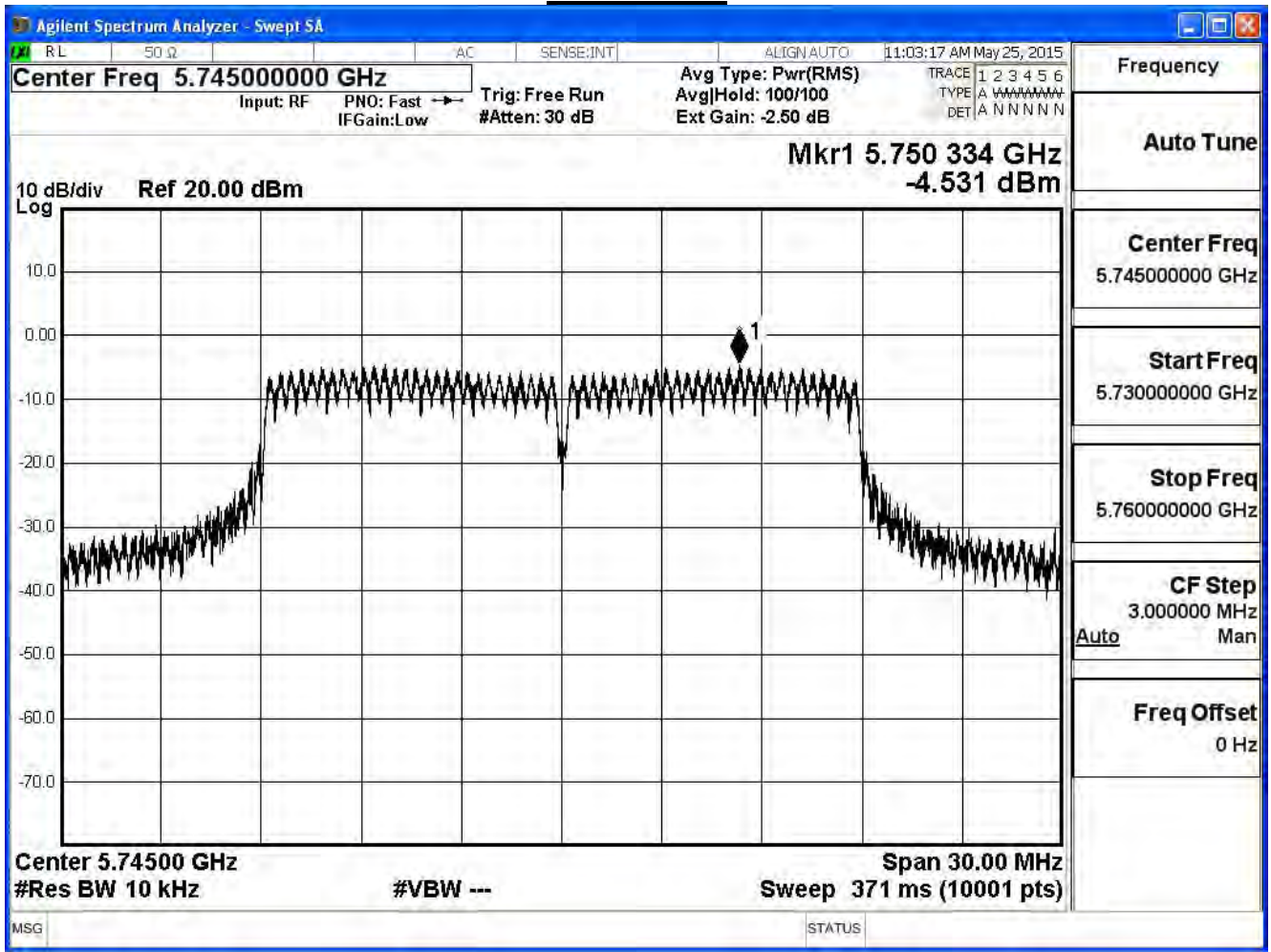
Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

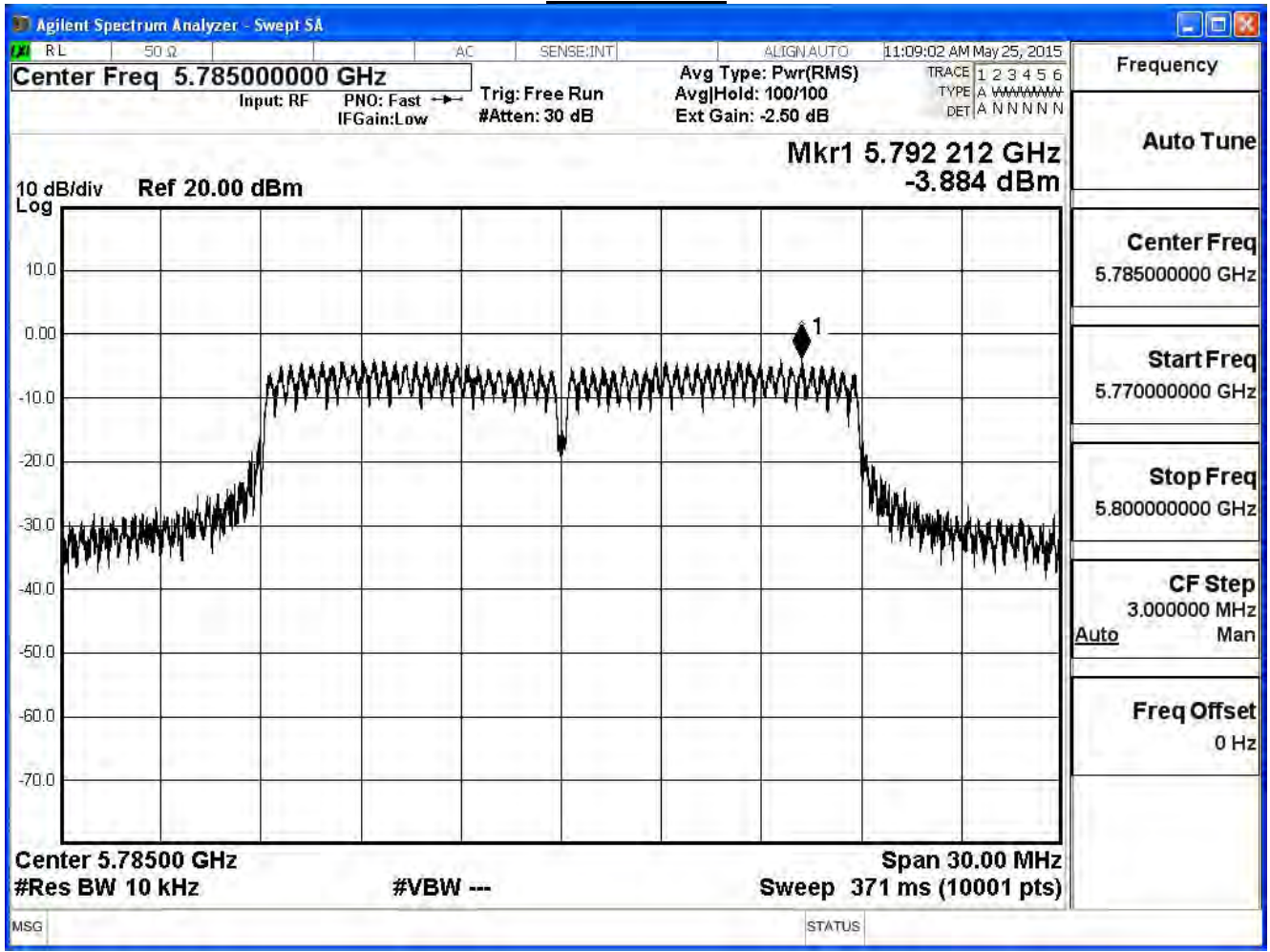
IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-4.53	≤ 4.63	Pass
157	5785	-3.88	≤ 4.63	Pass
165	5825	-5.68	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

### Channel 149

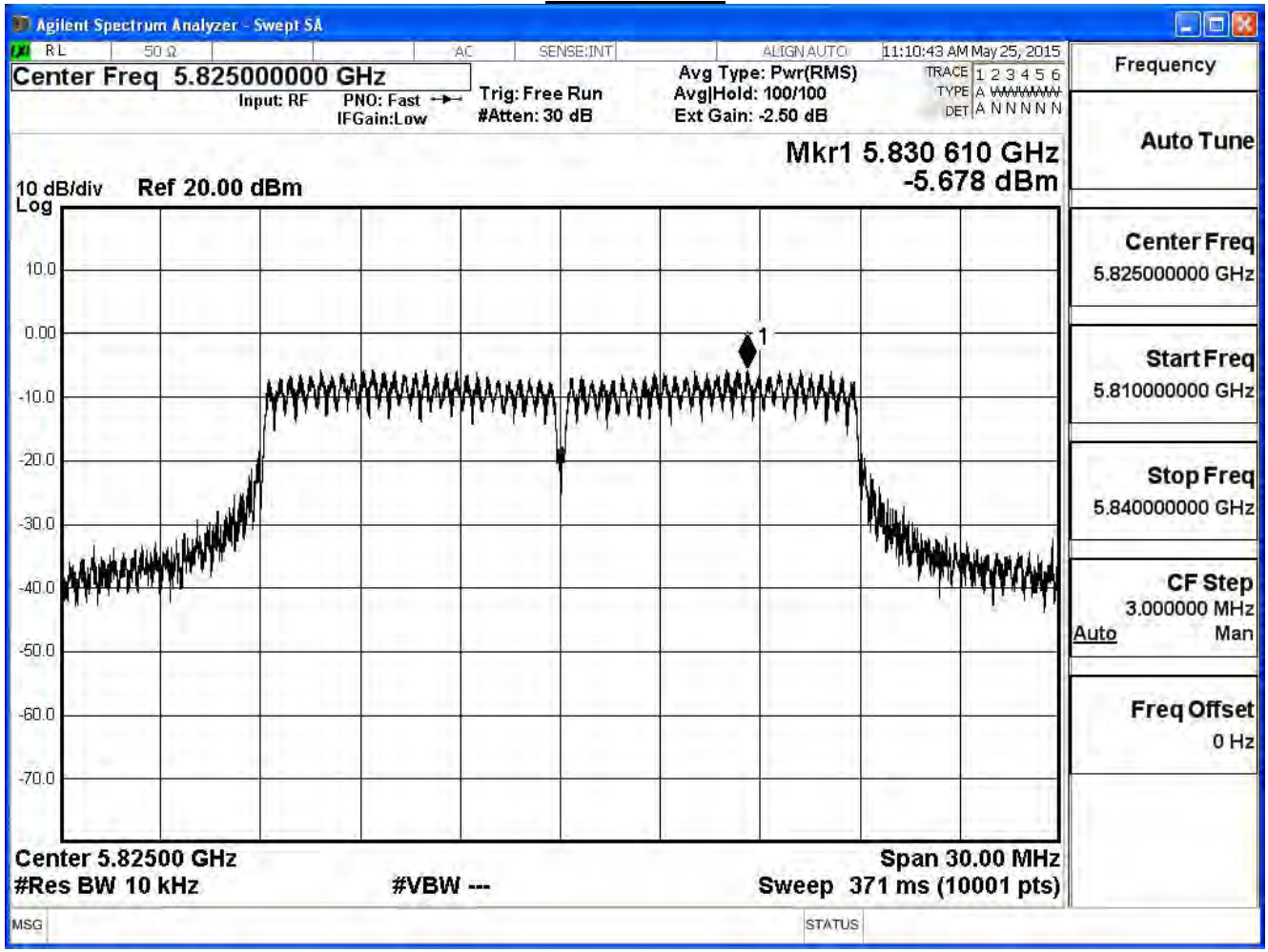


### Channel 157





**Channel 165**



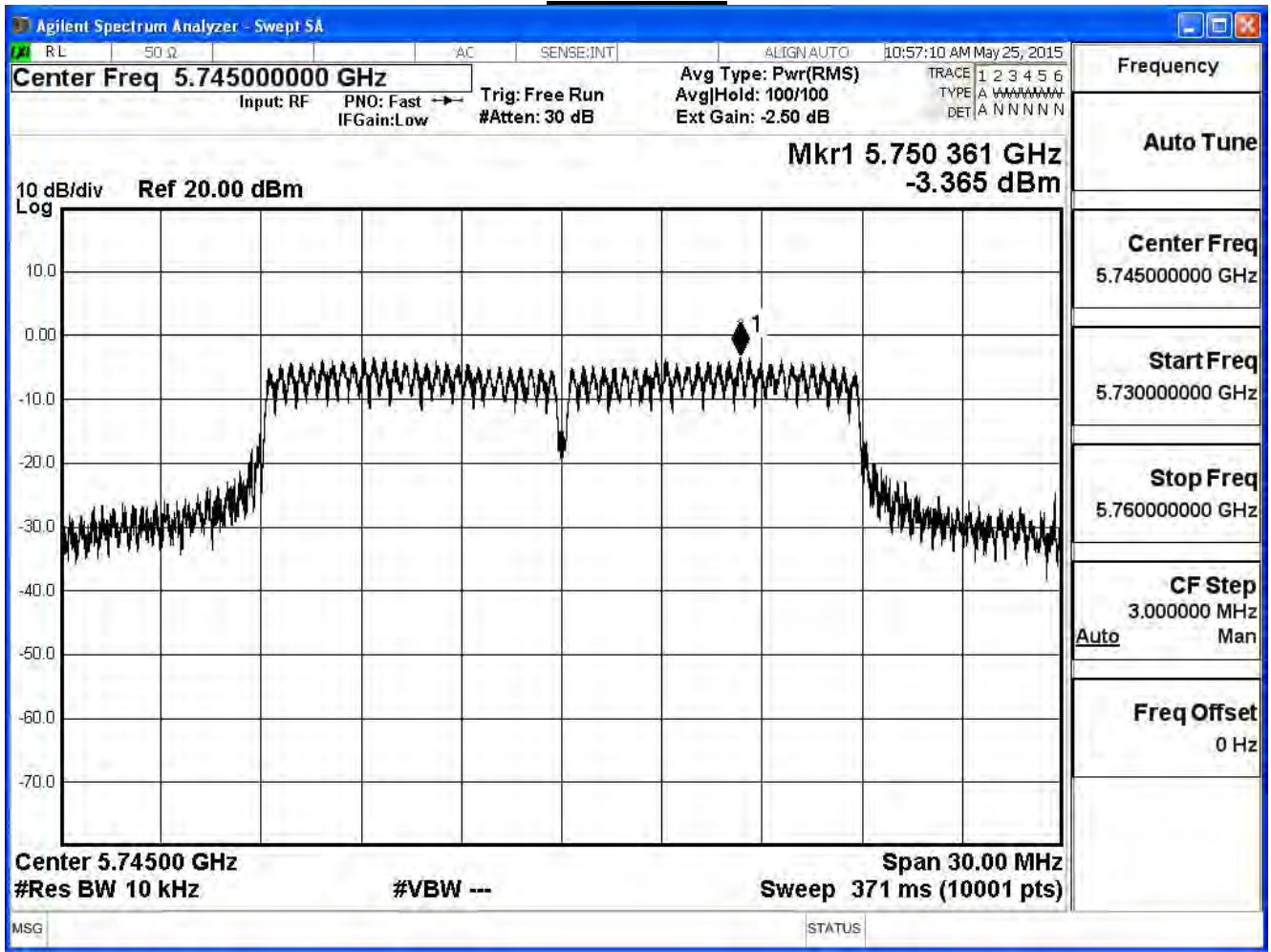
1

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

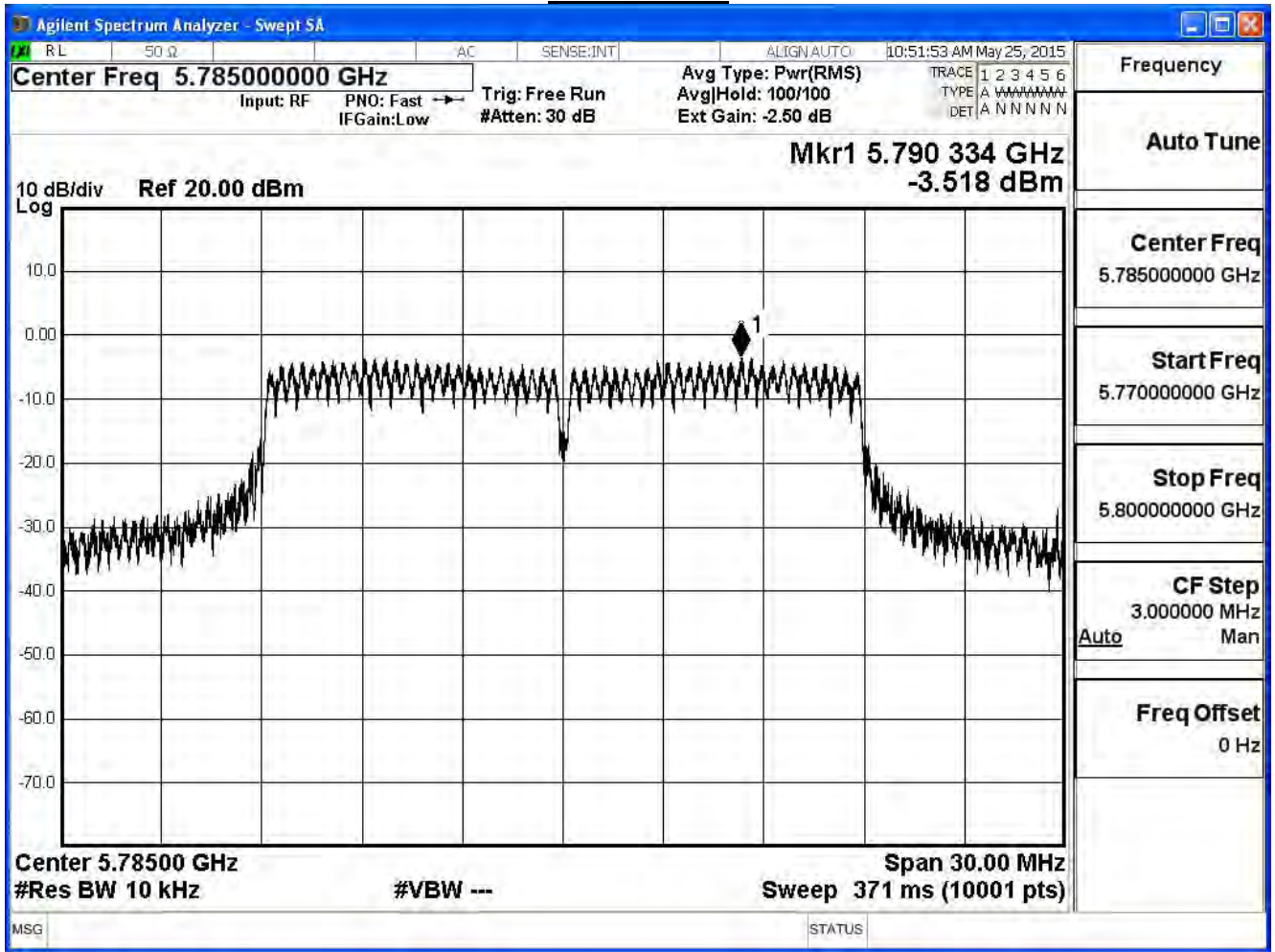
IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.37	≤ 4.63	Pass
157	5785	-3.52	≤ 4.63	Pass
165	5825	-4.16	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant } N) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

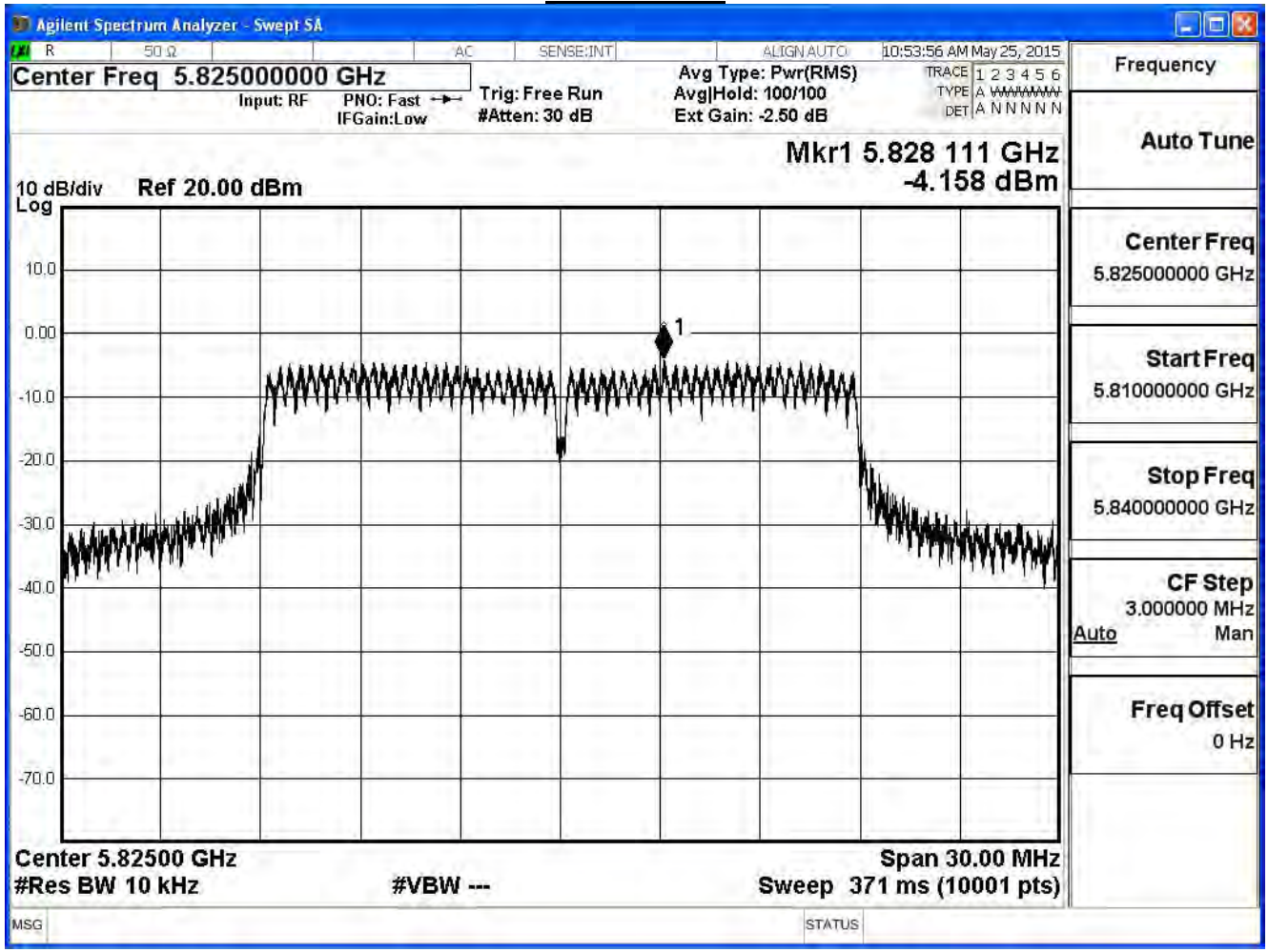
### Channel 149



### Channel 157



**Channel 165**



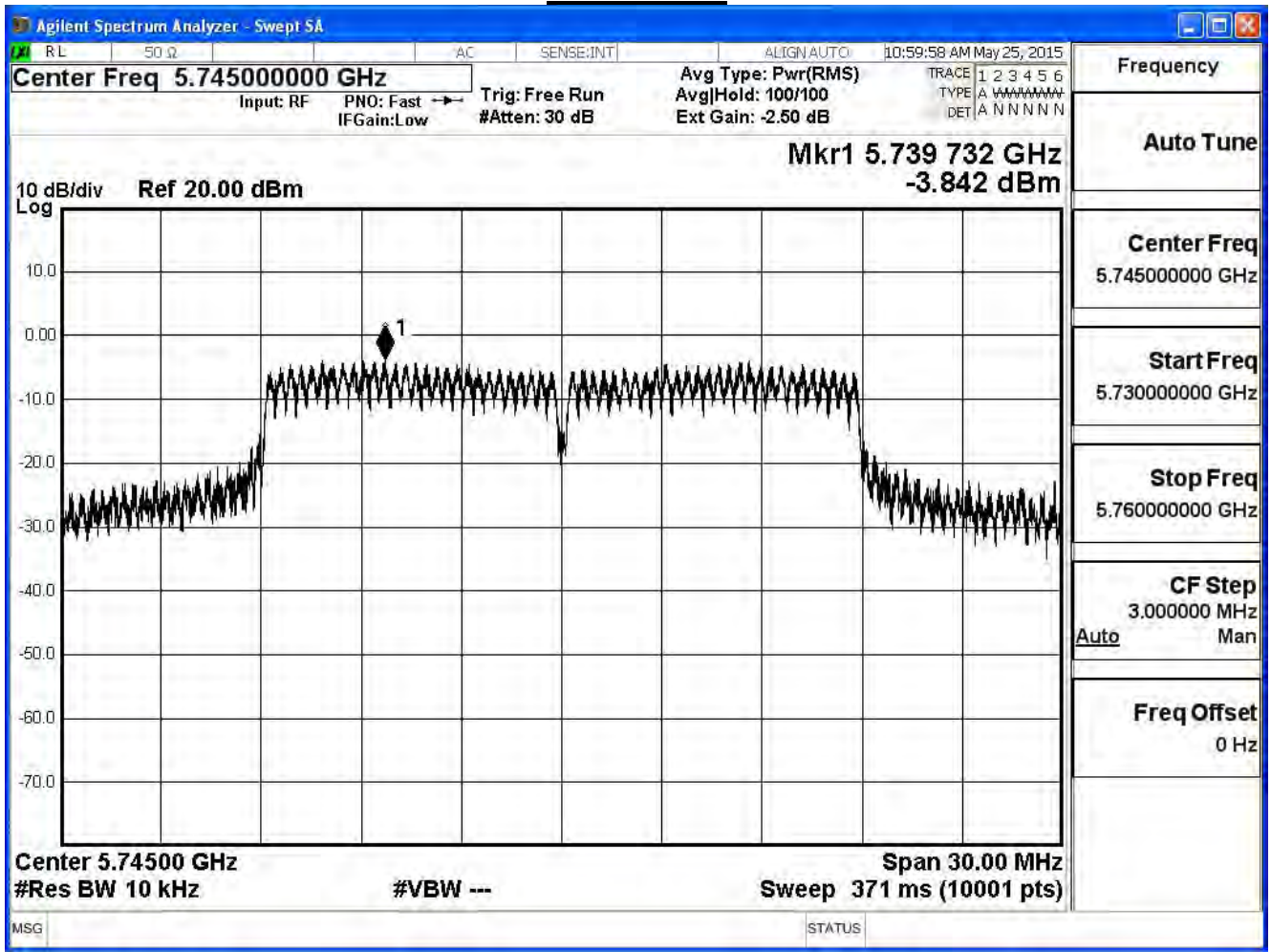


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.84	≤ 4.63	Pass
157	5785	-3.80	≤ 4.63	Pass
165	5825	-5.20	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant } N) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

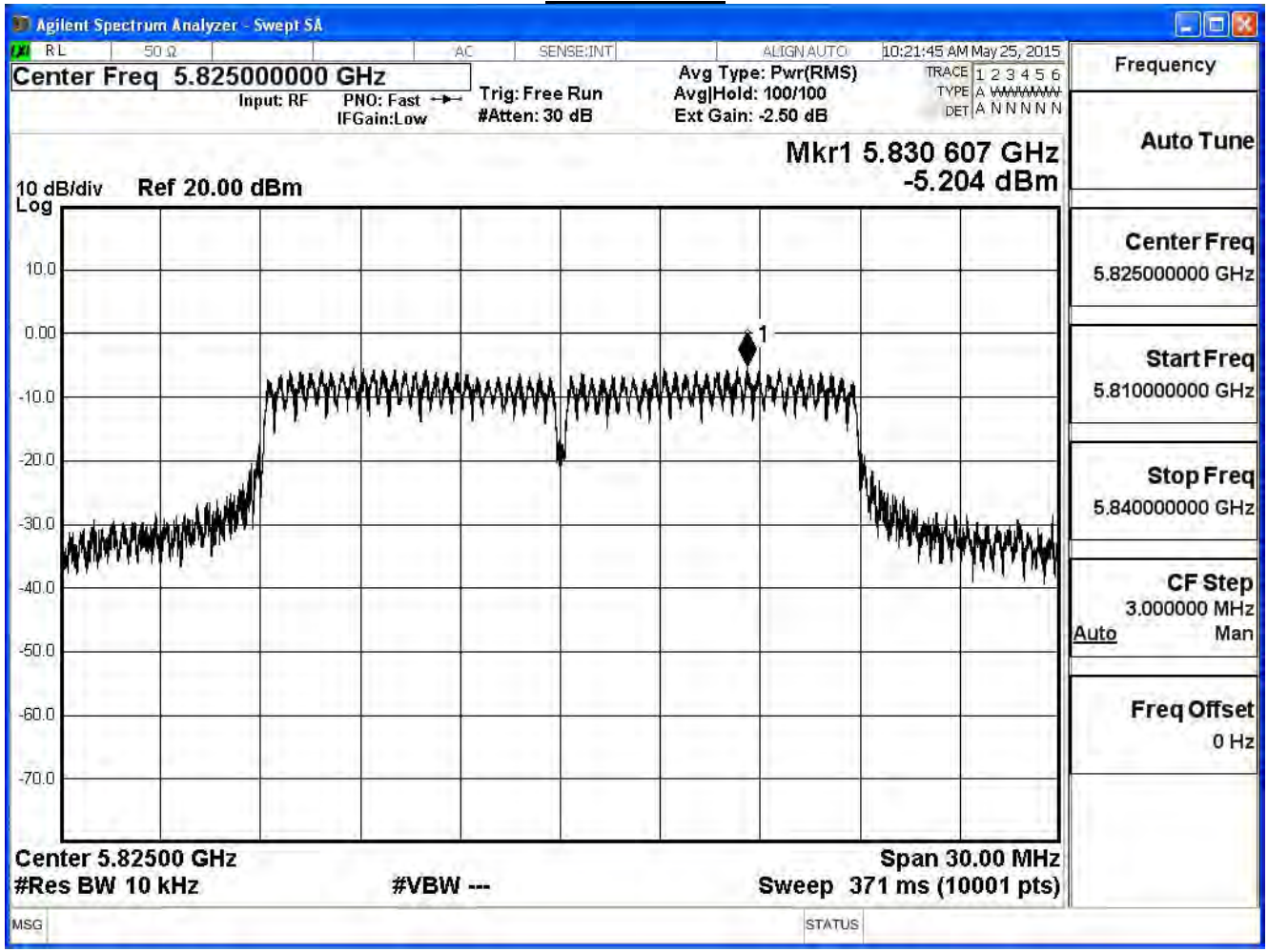
### Channel 149







### Channel 165



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	0.88	≤ 4.63	Pass
157	5785	1.04	≤ 4.63	Pass
165	5825	-0.19	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$

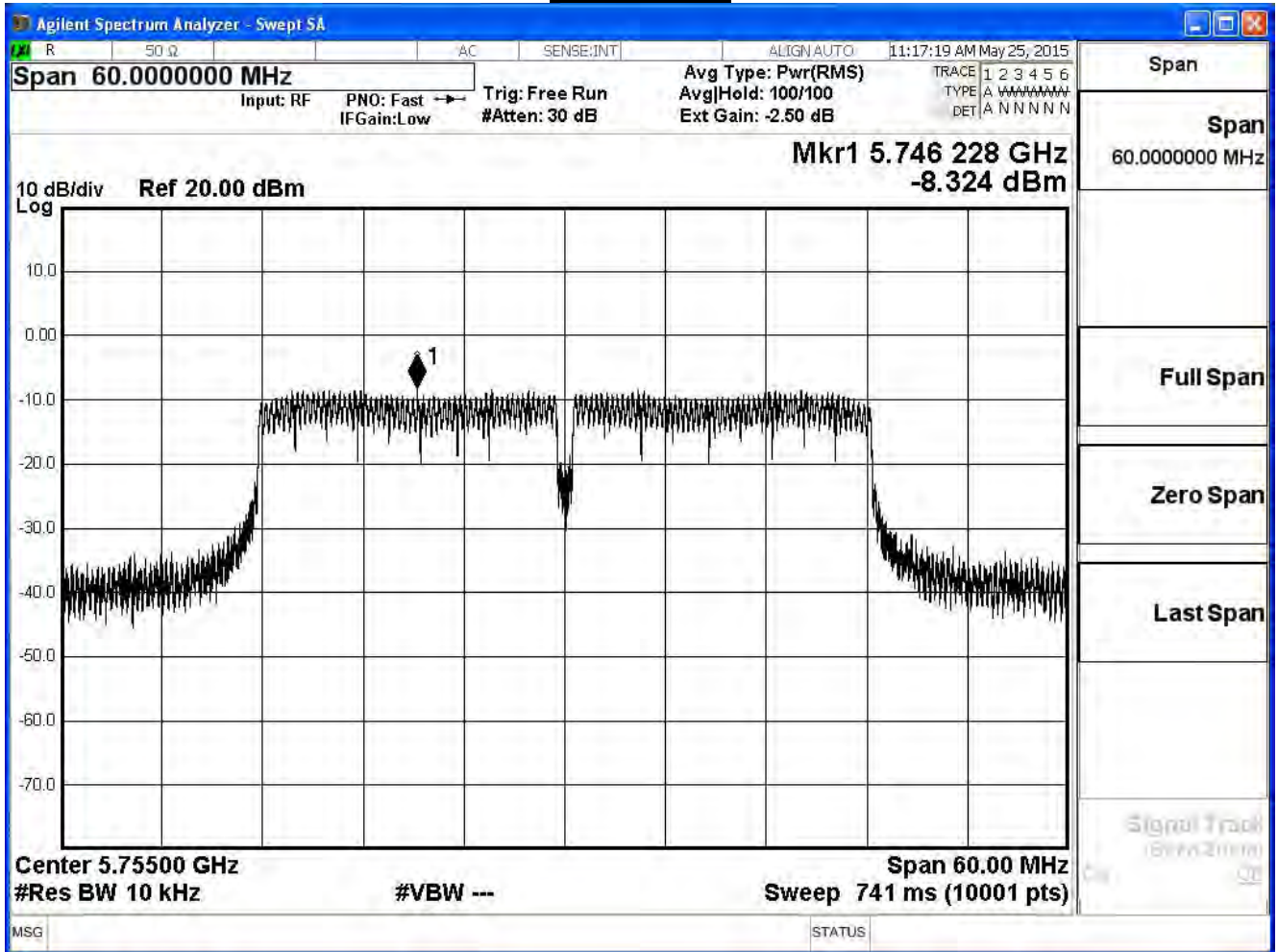
Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

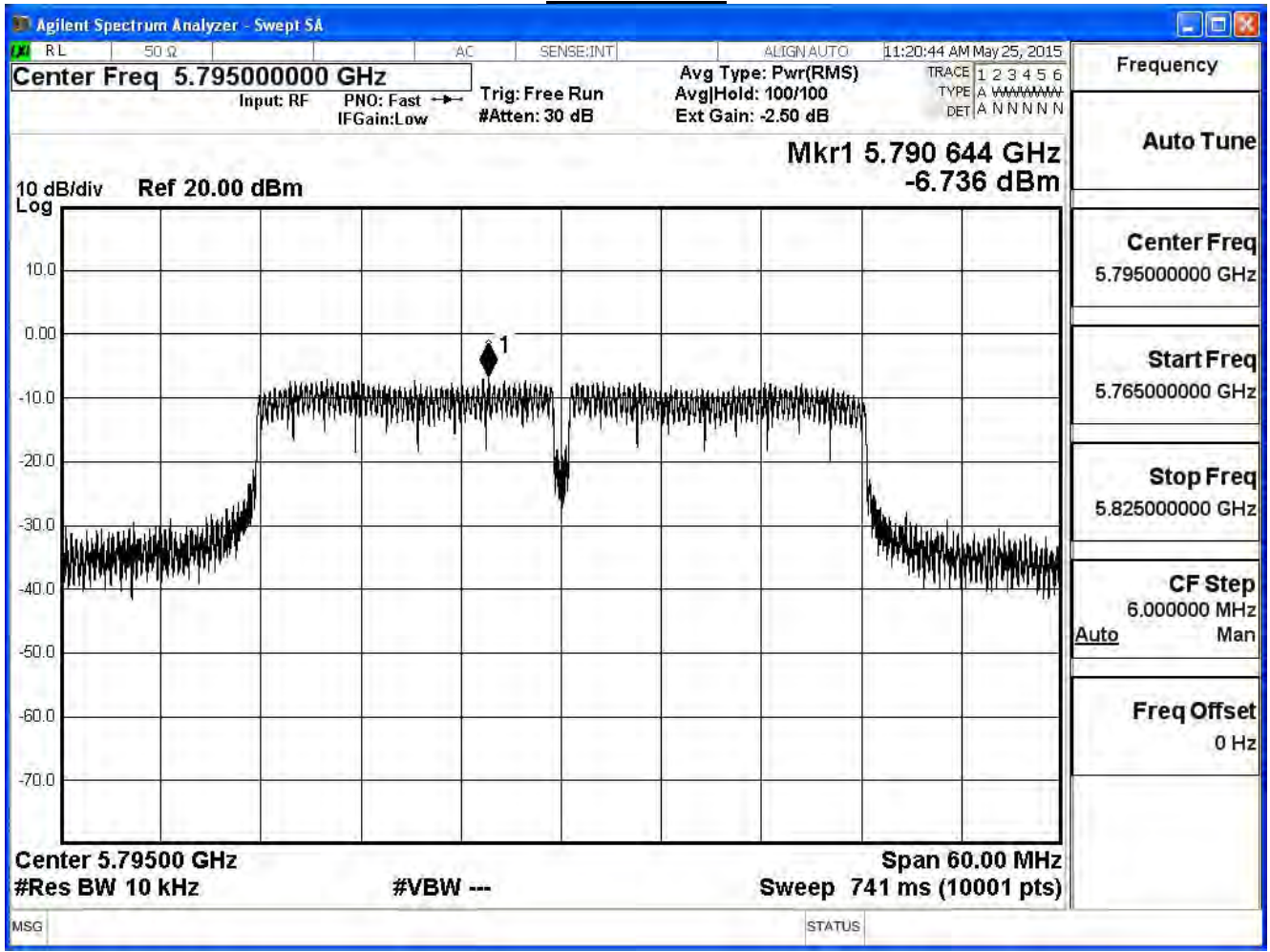
IEEE 802.11n_40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-8.32	≤ 4.63	Pass
159	5795	-6.74	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

### Channel 151



**Channel 159**



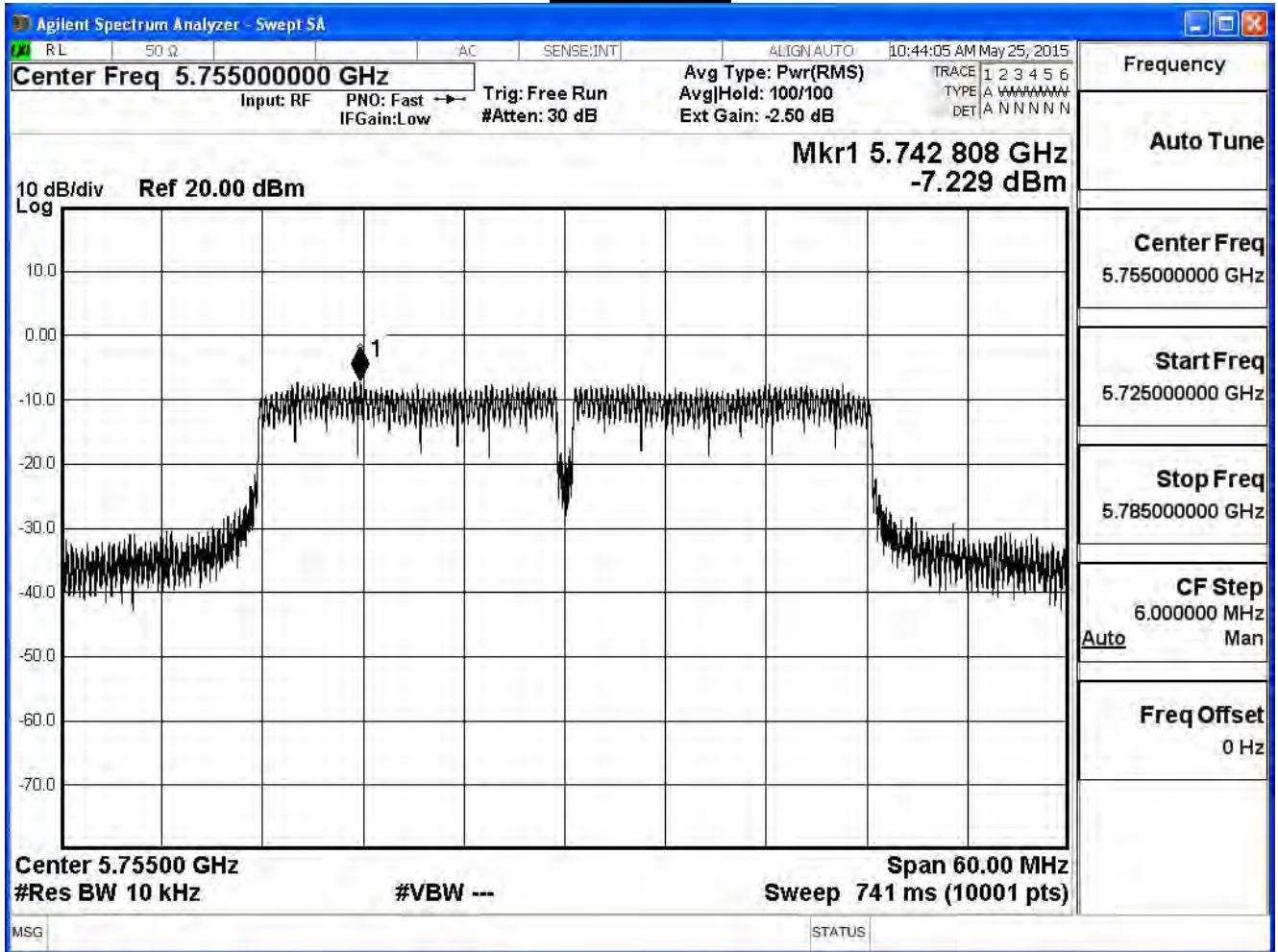


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

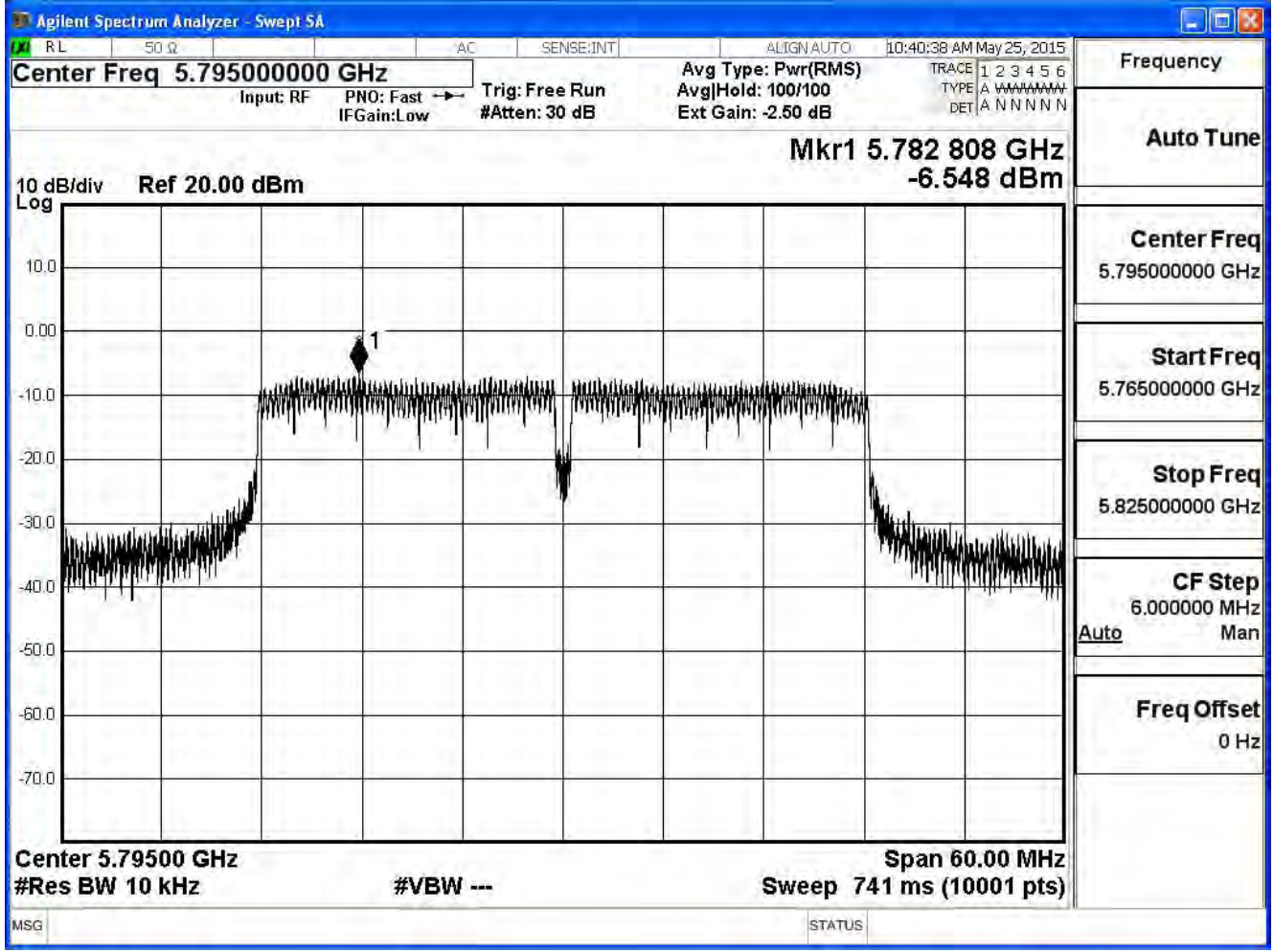
IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-7.23	≤ 4.63	Pass
159	5795	-6.55	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

### Channel 151



### Channel 159

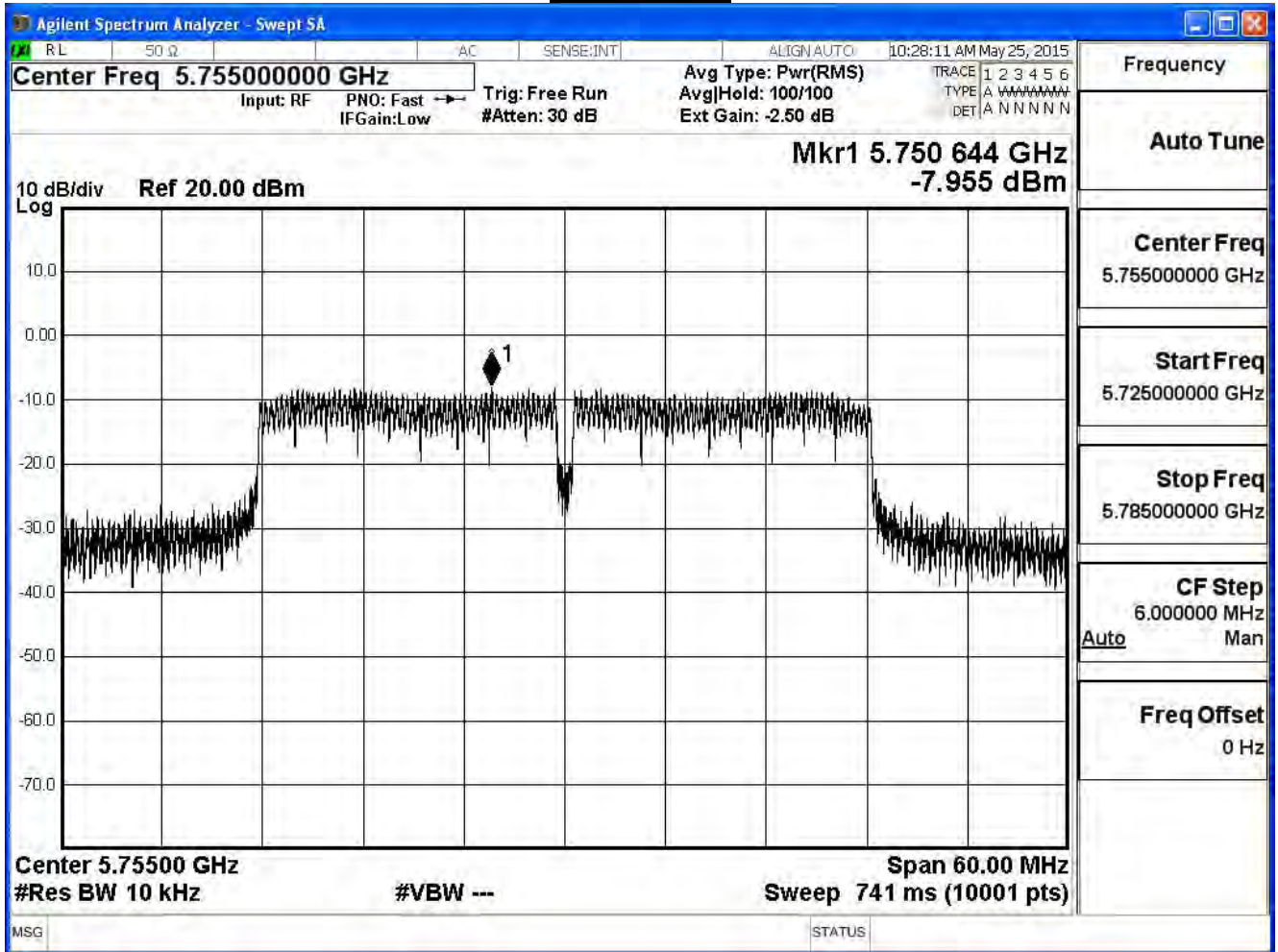


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

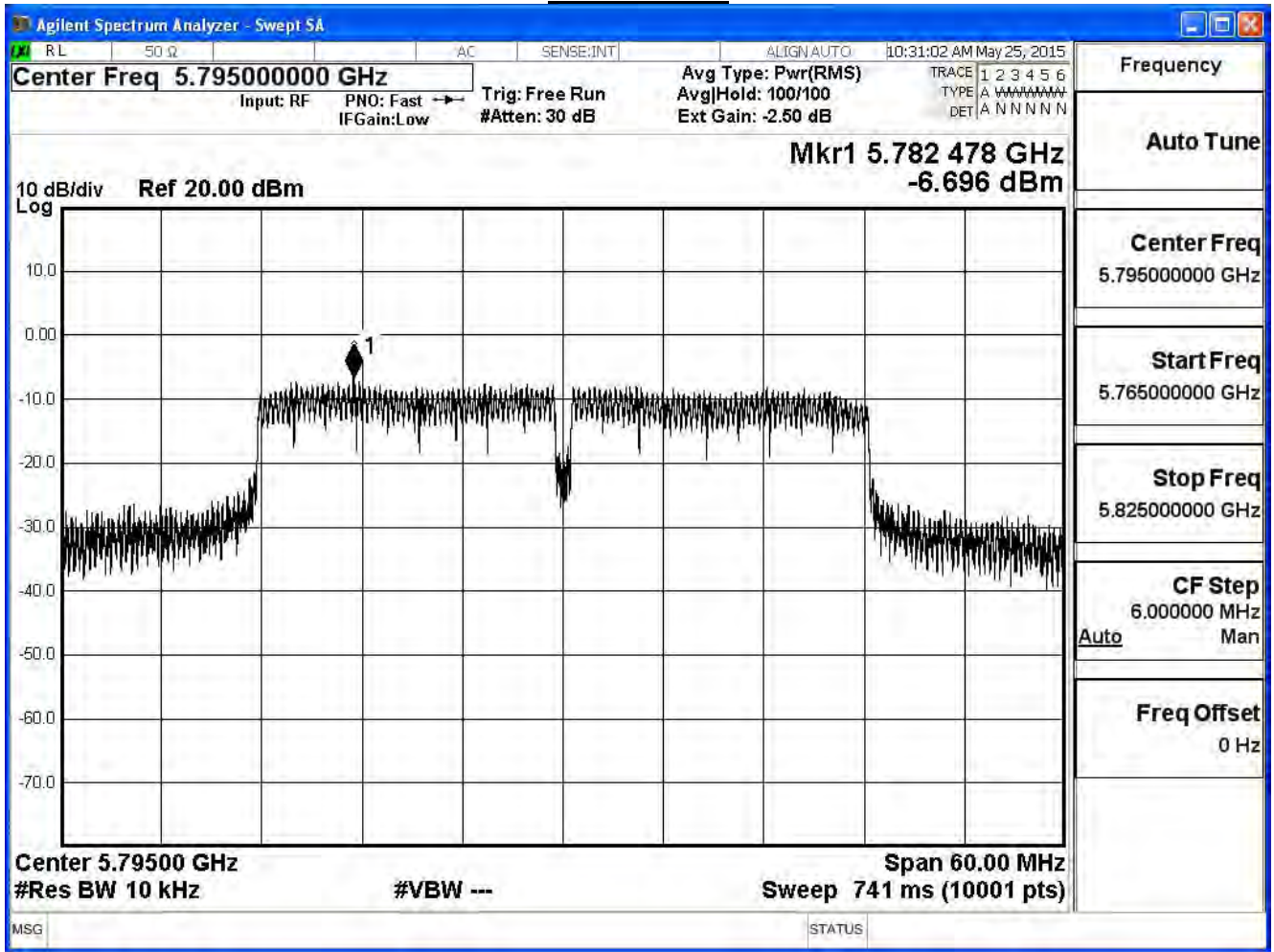
IEEE 802.11n_40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-7.96	≤ 4.63	Pass
159	5795	-6.70	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm}/\text{MHz}$

### Channel 151



### Channel 159





Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-3.04	≤ 4.63	Pass
159	5795	-1.89	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$

Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}_-$

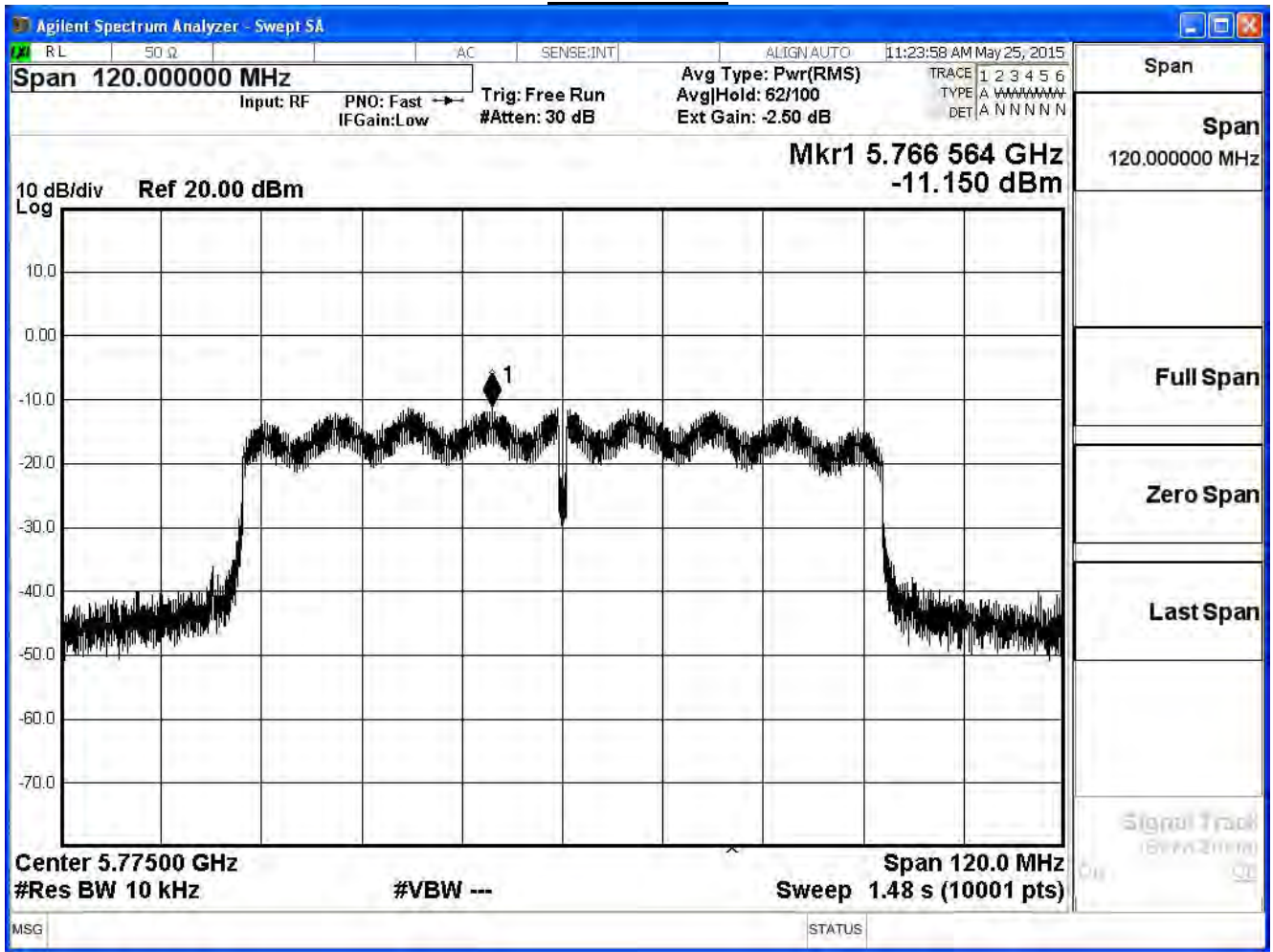


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-11.15	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

### Channel 155

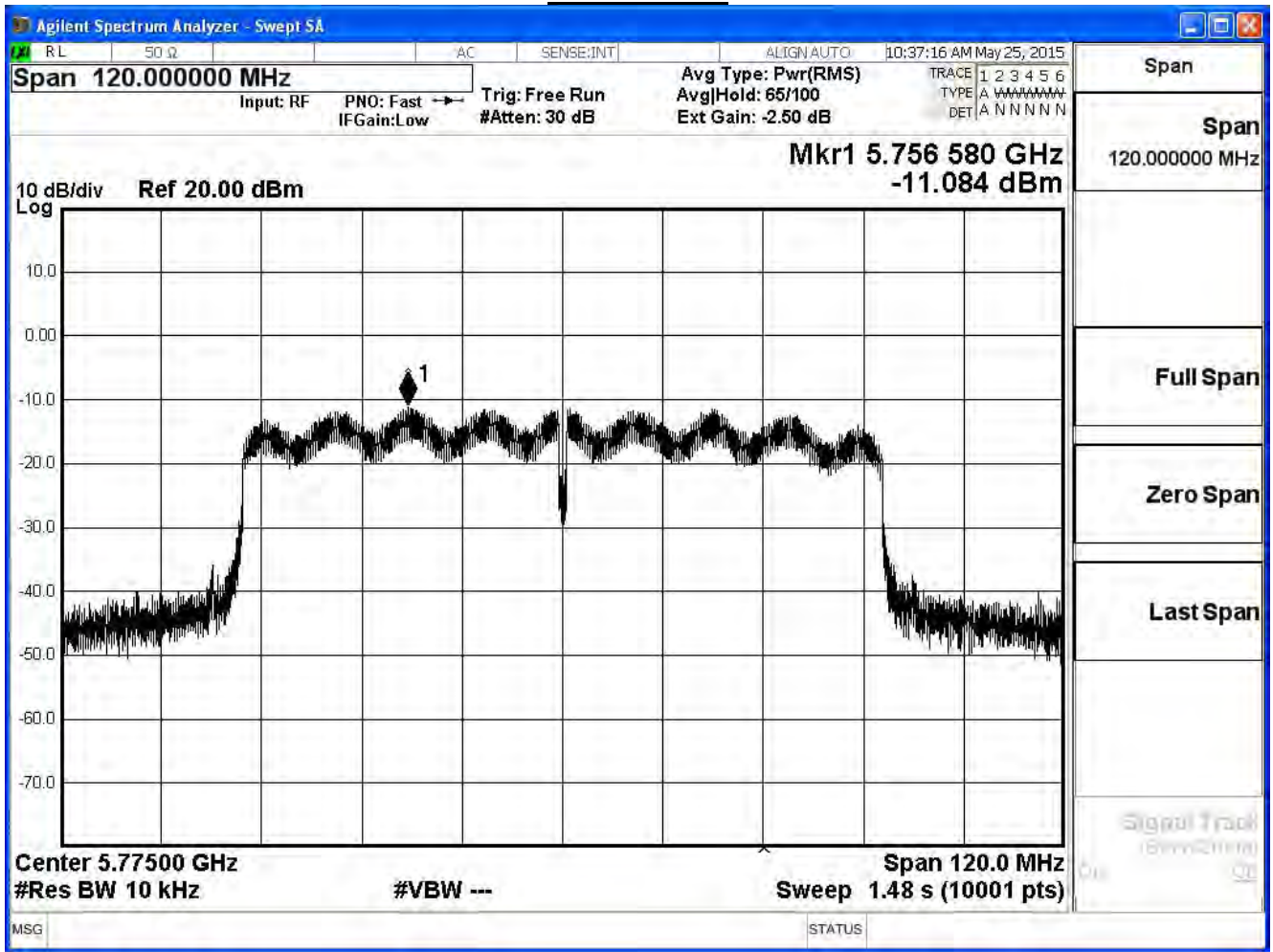


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-11.08	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant } N) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

### Channel 155

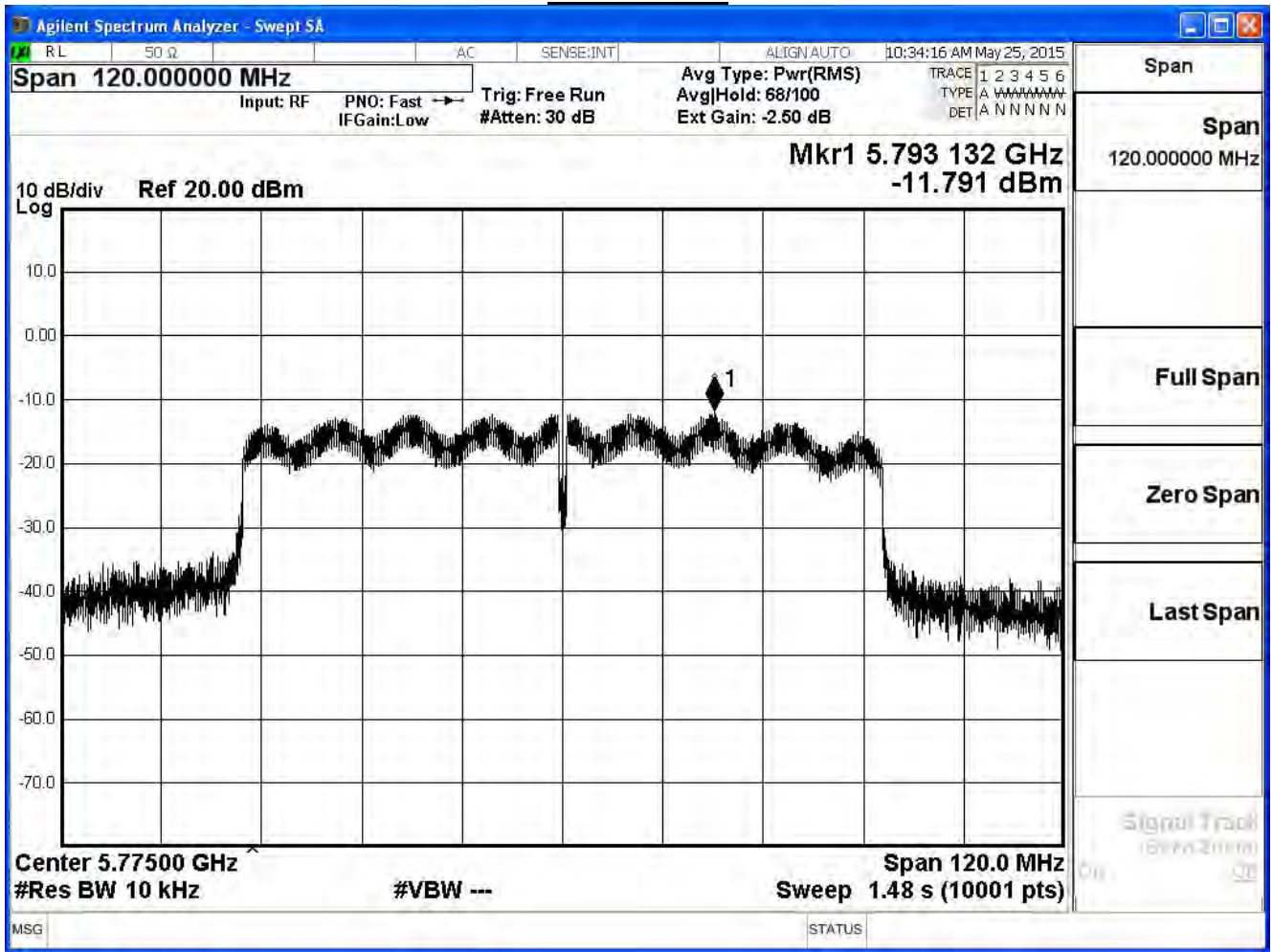


Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-11.79	≤ 4.63	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$   
 Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$

### Channel 155



Product	Dual-band Wireless Range Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2015/05/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-6.56	$\leq 4.63$	Pass

Directional Antenna:  $10\log(\text{Ant N}) + \text{Max Gain} = 10\log(3) + 4.60 = 9.37\text{dBi}$

Power Density Limit:  $8\text{dBm} - (9.37\text{dBi} - 6\text{dB}) = 4.63\text{dBm/MHz}$