6. Radiated Emission Band Edge

6.1. Test Equipment

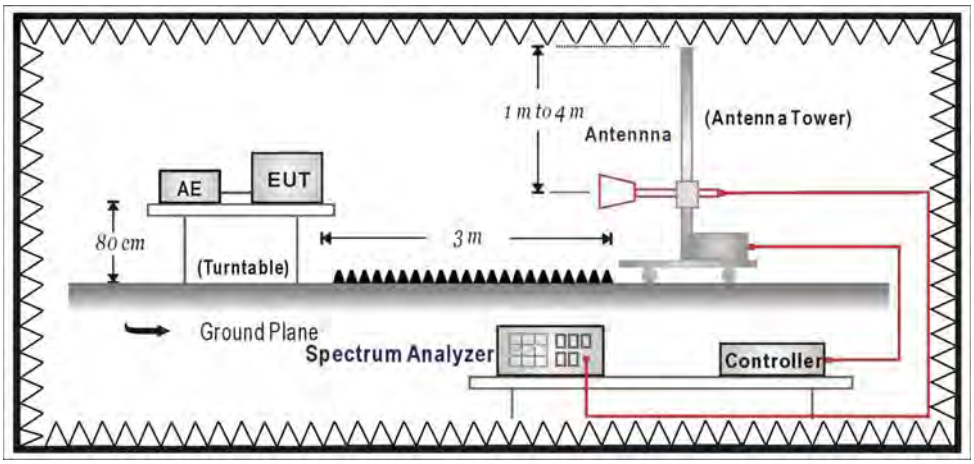
The following test equipments are used during the test:

Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2014/02/17
Spectrum Analyzer	Agilent	E4440A	MY46187335	2014/01/27
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2014/02/21

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 and tested according to DTS test procedure of KDB558074 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 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

6.6. Uncertainty

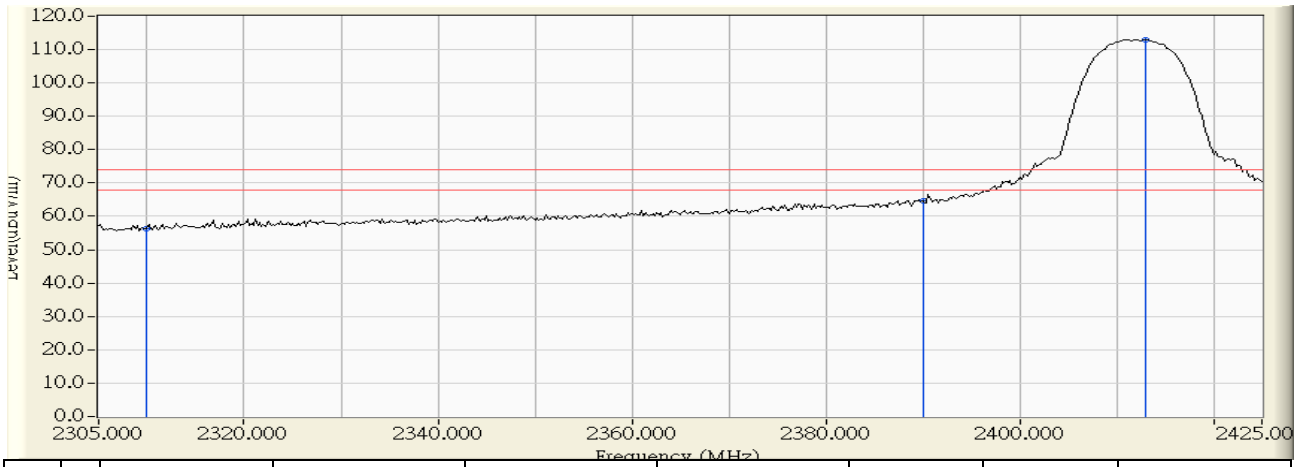
The measurement uncertainty

± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	**Time : 2013/08/29 - 09:46**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11b_2412MHz**

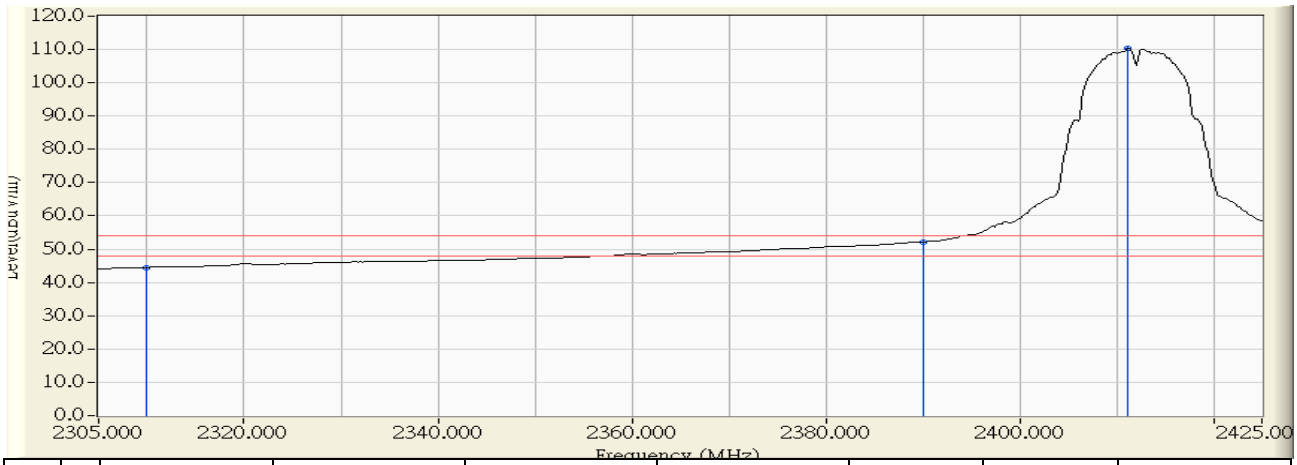


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	26.211	56.270	-17.730	74.000	PEAK
2		2390.000	30.888	33.741	64.629	-9.371	74.000	PEAK
3	*	2413.000	31.127	81.921	113.048	39.048	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/29 - 09:47**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11b_2412MHz**

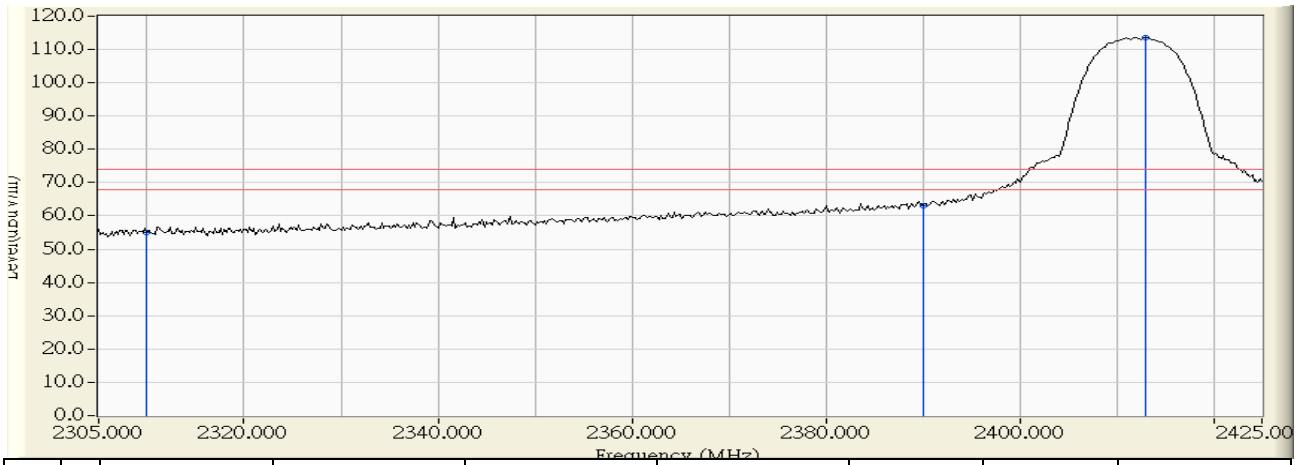


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	14.455	44.514	-9.486	54.000	AVERAGE
2		2390.000	30.888	21.373	52.261	-1.739	54.000	AVERAGE
3	*	2411.200	31.108	79.117	110.225	56.225	54.000	AVERAGE

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 : 2013/08/29 - 09:50**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11b_2412MHz**

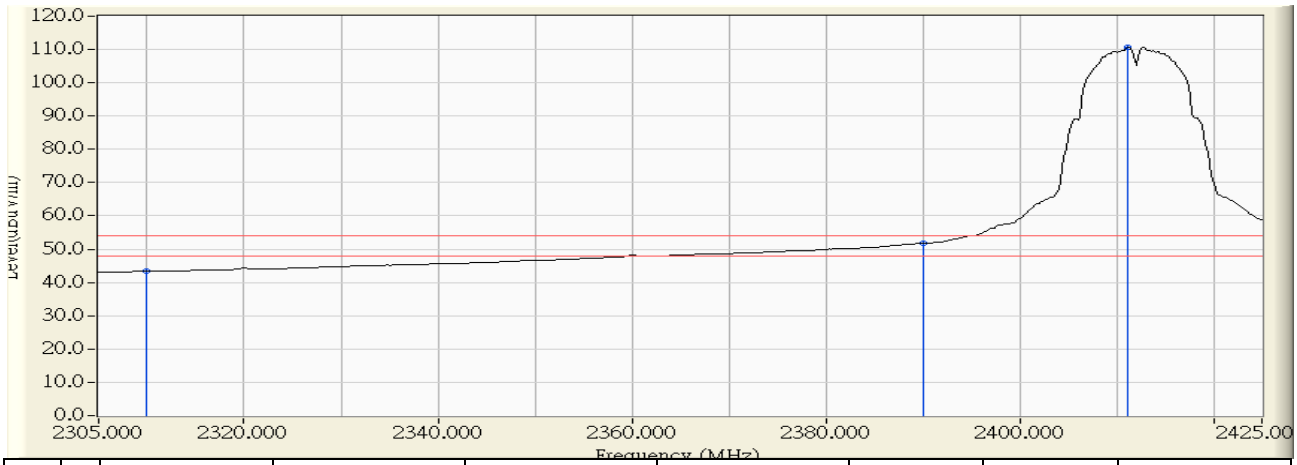


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	24.837	54.896	-19.104	74.000	PEAK
2		2390.000	30.888	32.095	62.983	-11.017	74.000	PEAK
3	*	2413.000	31.127	82.383	113.510	39.510	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/29 - 09:51**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11b_2412MHz**

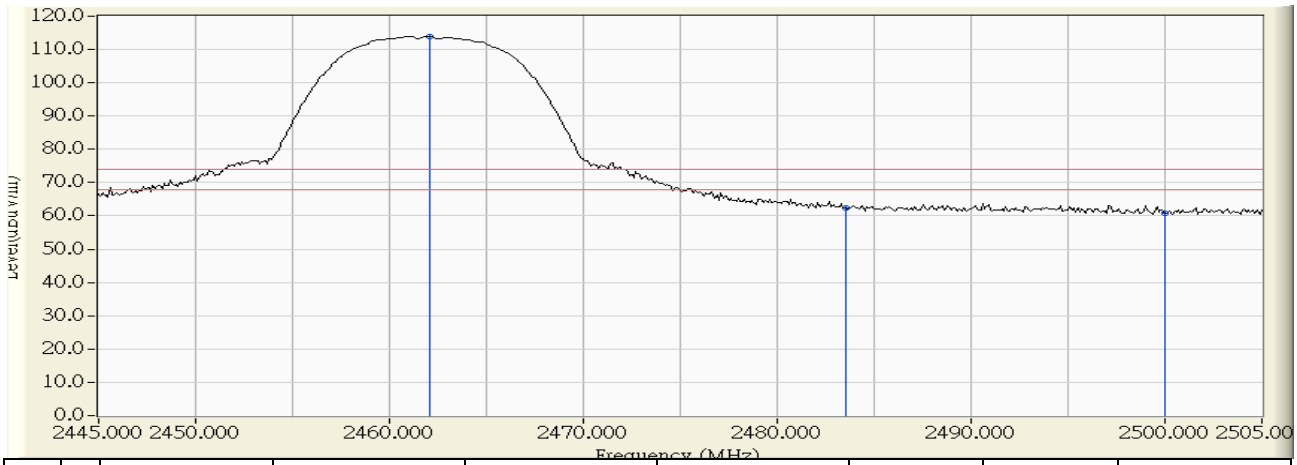


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	13.285	43.344	-10.656	54.000	AVERAGE
2		2390.000	30.888	20.877	51.765	-2.235	54.000	AVERAGE
3	*	2411.200	31.108	79.520	110.628	56.628	54.000	AVERAGE

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.

Site : CB1	**Time : 2013/08/29 - 09:55**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11b_2462MHz**

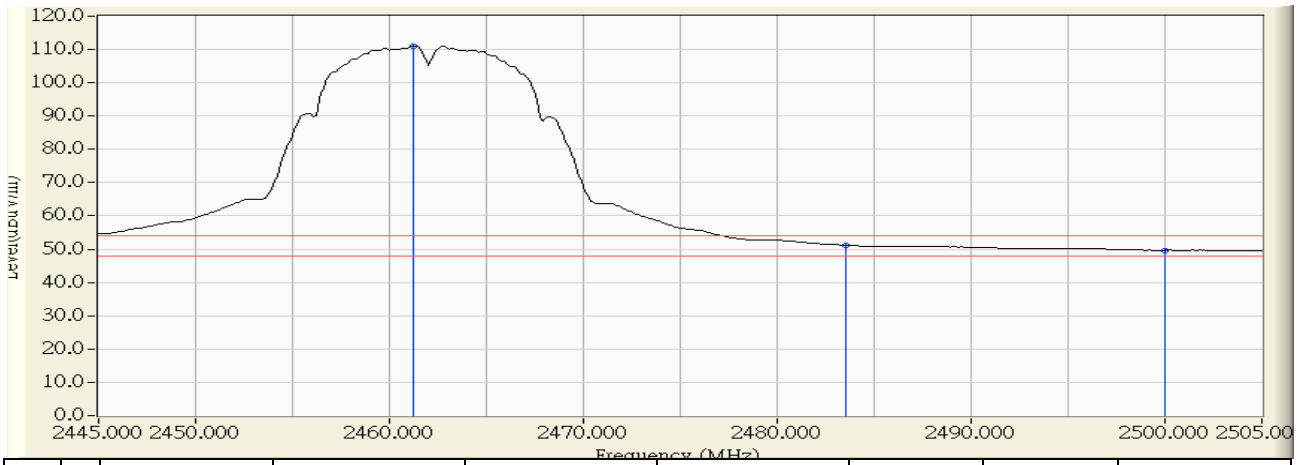


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2462.100	31.636	82.266	113.902	39.902	74.000	PEAK
2		2483.500	31.858	30.676	62.534	-11.466	74.000	PEAK
3		2500.000	31.988	28.829	60.818	-13.182	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/29 - 09:55**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11b_2462MHz**

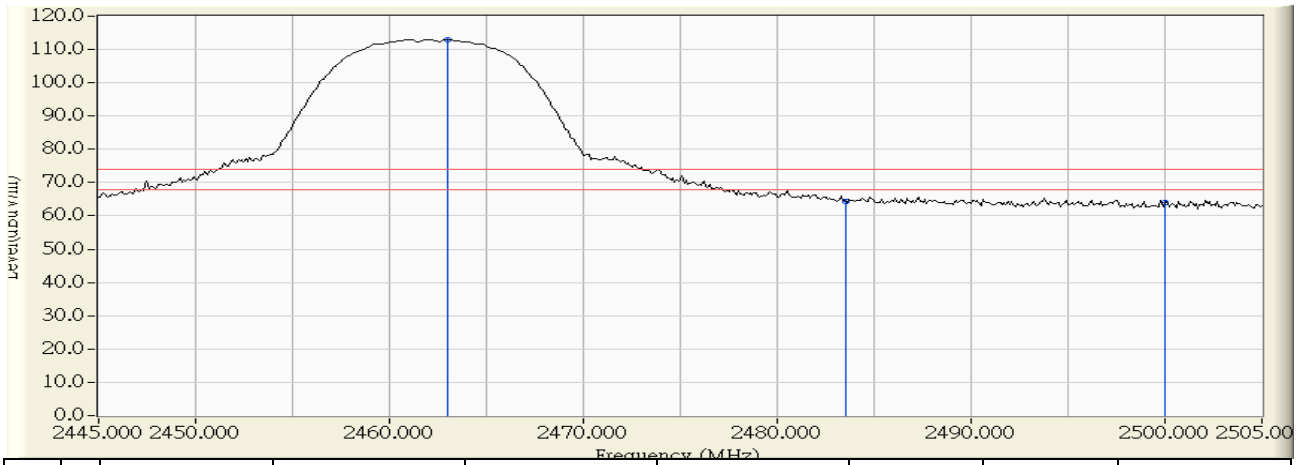


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2461.200	31.627	79.444	111.071	57.071	54.000	AVERAGE
2		2483.500	31.858	19.295	51.153	-2.847	54.000	AVERAGE
3		2500.000	31.988	17.693	49.682	-4.318	54.000	AVERAGE

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 : 2013/08/29 - 09:56**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11b_2462MHz**

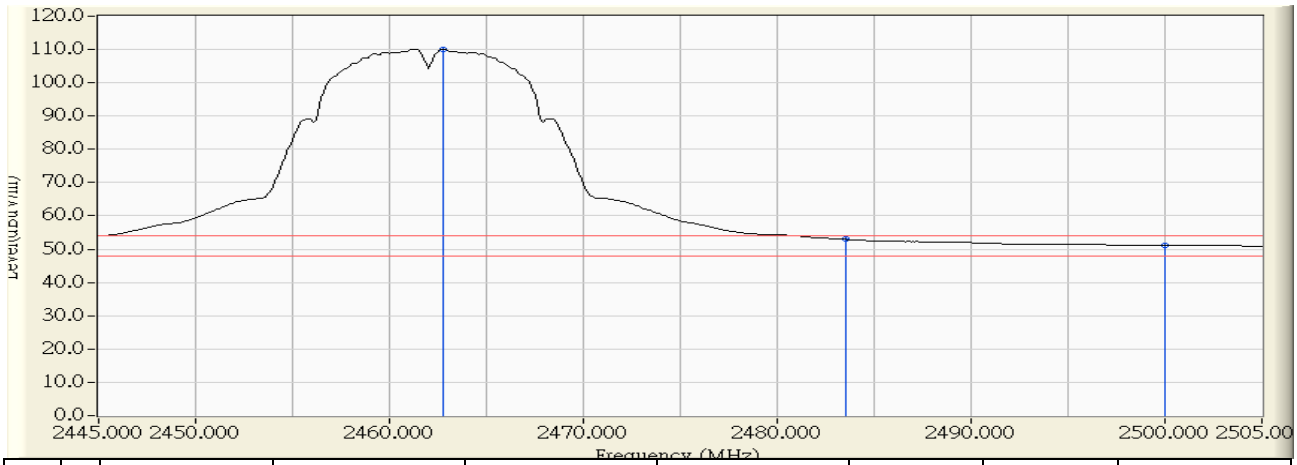


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.000	31.646	81.324	112.969	38.969	74.000	PEAK
2		2483.500	31.858	32.623	64.481	-9.519	74.000	PEAK
3		2500.000	31.988	32.041	64.030	-9.970	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/29 - 09:57**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11b_2462MHz**

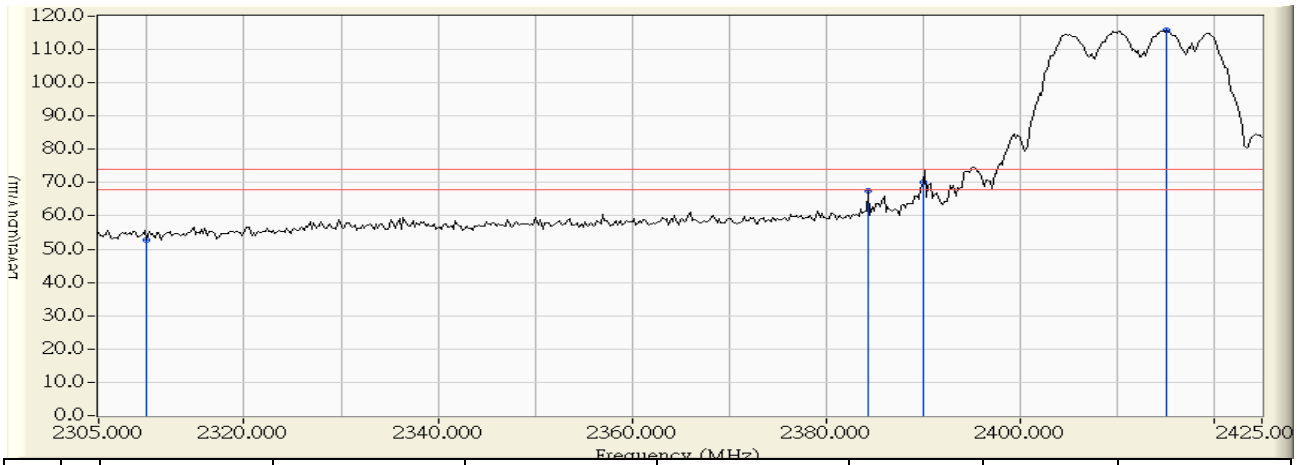


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2462.800	31.644	78.480	110.123	56.123	54.000	AVERAGE
2		2483.500	31.858	21.065	52.923	-1.077	54.000	AVERAGE
3		2500.000	31.988	19.076	51.065	-2.935	54.000	AVERAGE

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 : 2013/08/29 - 10:03**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11g_2412MHz**

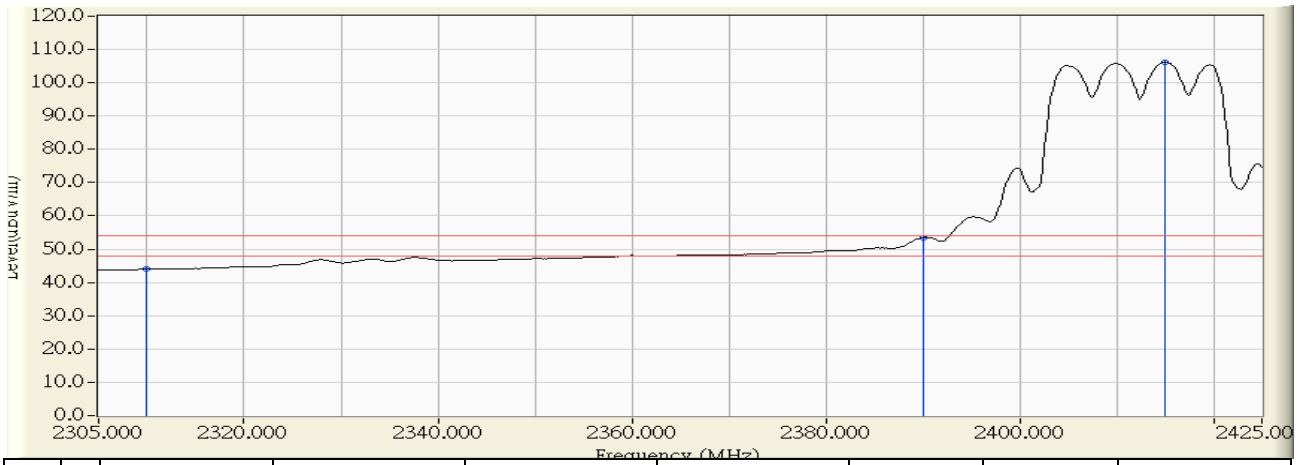


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	22.786	52.845	-21.155	74.000	PEAK
2		2384.400	30.830	36.820	67.650	-6.350	74.000	PEAK
3		2390.000	30.888	39.377	70.265	-3.735	74.000	PEAK
4	*	2415.200	31.150	84.621	115.771	41.771	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.

Site : CB1	**Time : 2013/08/29 - 10:04**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11g_2412MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	13.922	43.981	-10.019	54.000	AVERAGE
2		2390.000	30.888	22.629	53.517	-0.483	54.000	AVERAGE
3	*	2415.000	31.148	75.116	106.264	52.264	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.

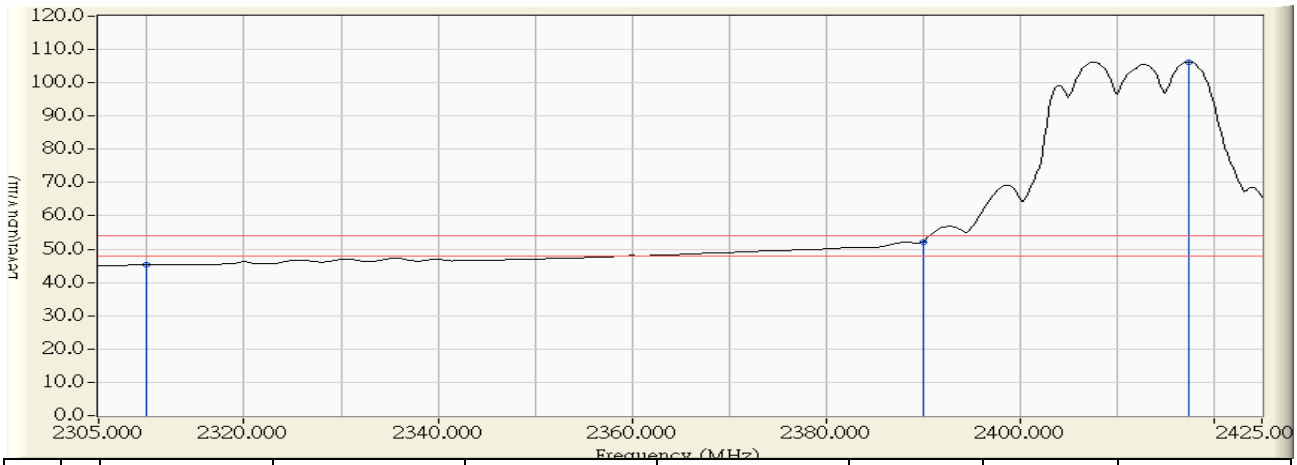
Site : CB1	**Time : 2013/08/29 - 10:07**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11g_2412MHz**

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	25.424	55.483	-18.517	74.000	PEAK
2		2389.600	30.884	39.193	70.077	-3.923	74.000	PEAK
3		2390.000	30.888	35.113	66.001	-7.999	74.000	PEAK
4	*	2417.200	31.170	83.347	114.517	40.517	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.

Site : CB1	**Time : 2013/08/29 - 10:07**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11g_2412MHz**

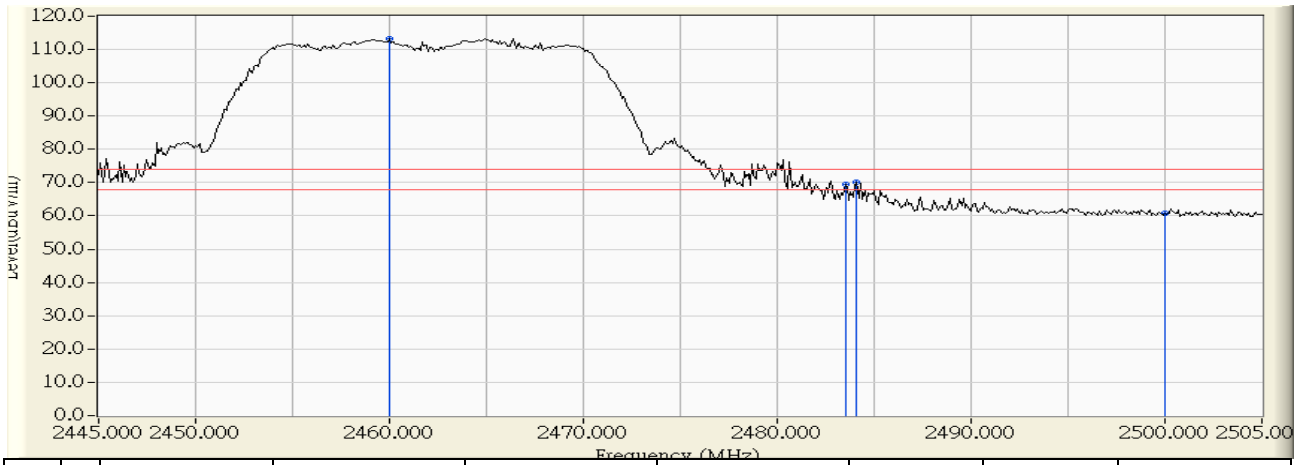


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	15.231	45.290	-8.710	54.000	AVERAGE
2		2390.000	30.888	21.368	52.256	-1.744	54.000	AVERAGE
3	*	2417.400	31.172	75.033	106.205	52.205	54.000	AVERAGE

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 : 2013/08/29 - 10:11**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11g_2412MHz**

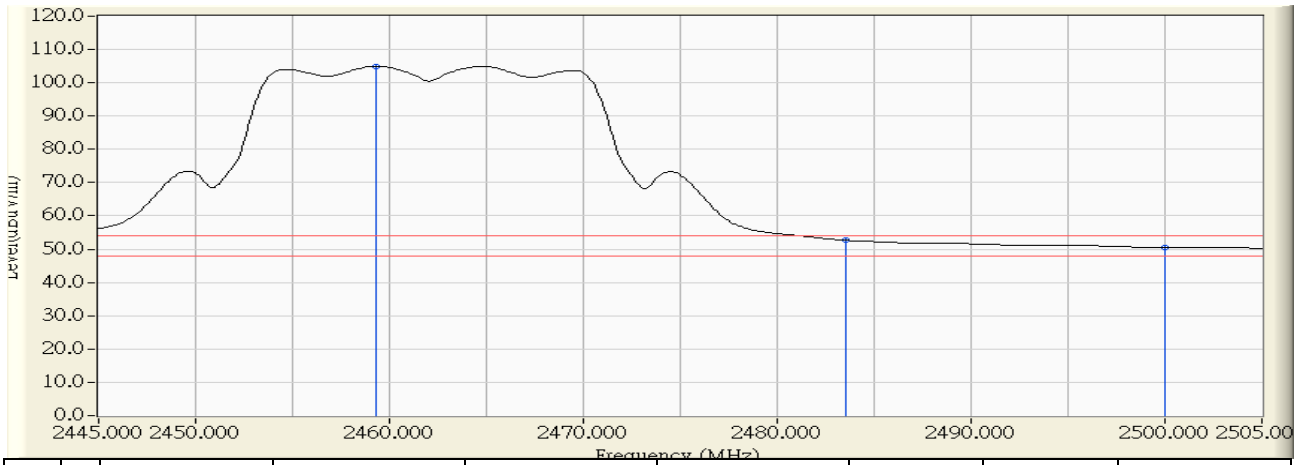


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.000	31.614	81.666	113.280	39.280	74.000	PEAK
2		2483.500	31.858	37.748	69.606	-4.394	74.000	PEAK
3		2484.100	31.864	38.396	70.260	-3.740	74.000	PEAK
4		2500.000	31.988	28.929	60.918	-13.082	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.

Site : CB1	**Time : 2013/08/29 - 10:11**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11g_2412MHz**

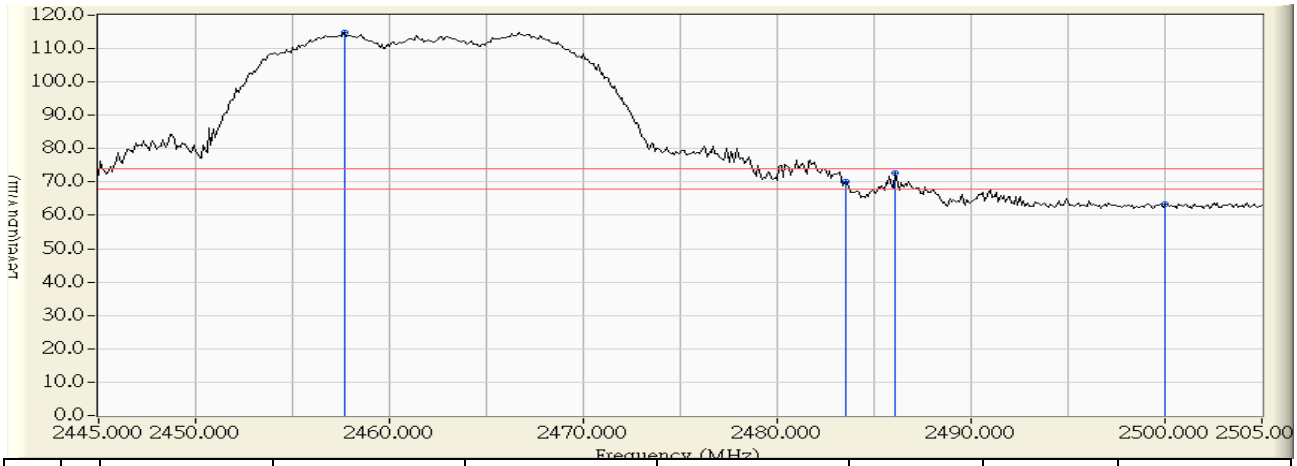


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2459.300	31.607	73.299	104.906	50.906	54.000	AVERAGE
2		2483.500	31.858	20.833	52.691	-1.309	54.000	AVERAGE
3		2500.000	31.988	18.622	50.611	-3.389	54.000	AVERAGE

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 : 2013/08/29 - 10:13**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11g_2462MHz**

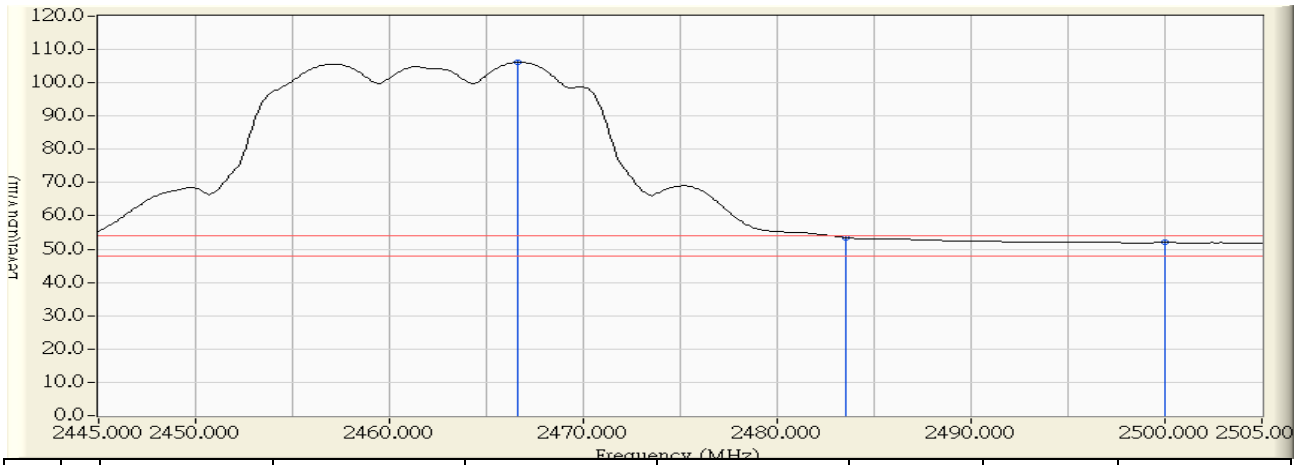


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2457.700	31.591	83.223	114.813	40.813	74.000	PEAK
2		2483.500	31.858	38.388	70.246	-3.754	74.000	PEAK
3		2486.100	31.885	40.683	72.568	-1.432	74.000	PEAK
4		2500.000	31.988	31.248	63.237	-10.763	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.

Site : CB1	**Time : 2013/08/29 - 10:13**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11g_2462MHz**

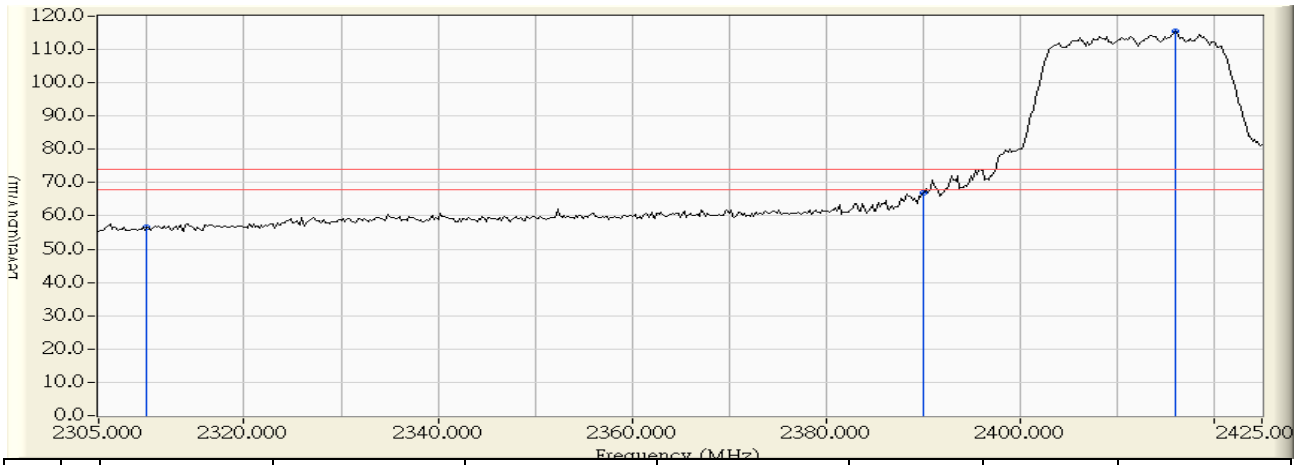


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2466.600	31.683	74.485	106.168	52.168	54.000	AVERAGE
2		2483.500	31.858	21.635	53.493	-0.507	54.000	AVERAGE
3		2500.000	31.988	20.092	52.081	-1.919	54.000	AVERAGE

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 : 2013/08/29 - 10:25**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_2412MHz**

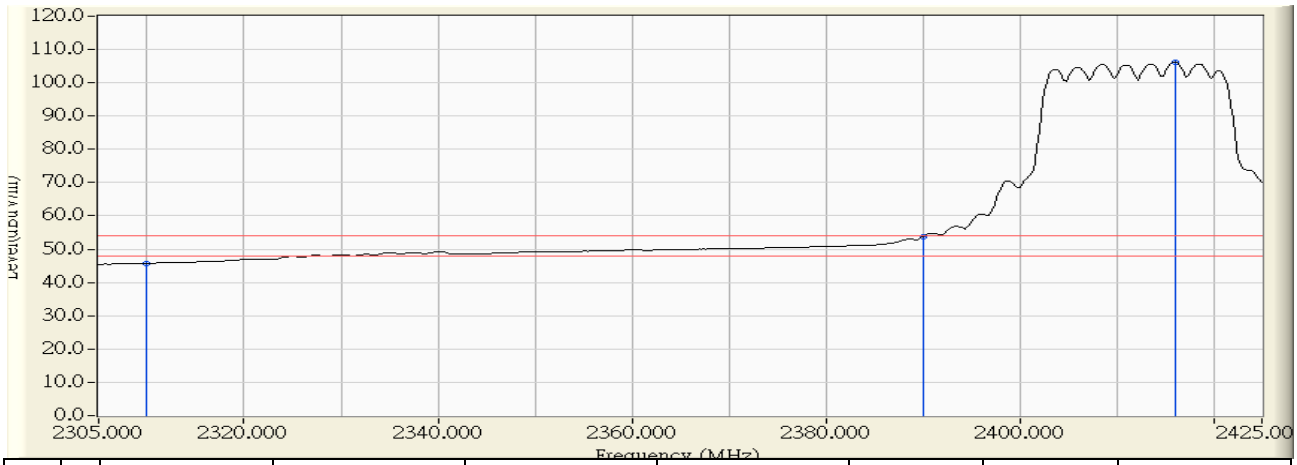


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	26.485	56.544	-17.456	74.000	PEAK
2		2390.000	30.888	35.954	66.842	-7.158	74.000	PEAK
3	*	2416.000	31.158	84.400	115.558	41.558	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/29 - 10:25**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_2412MHz**

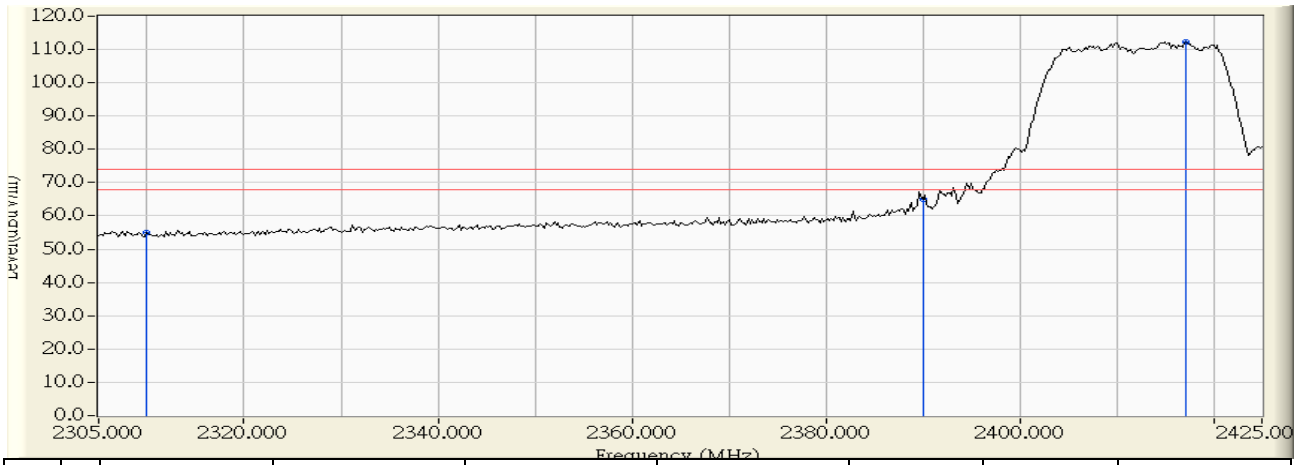


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	15.737	45.796	-8.204	54.000	AVERAGE
2		2390.000	30.888	22.919	53.807	-0.193	54.000	AVERAGE
3	*	2416.000	31.158	75.061	106.219	52.219	54.000	AVERAGE

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 : 2013/08/29 - 10:28**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_2412MHz**

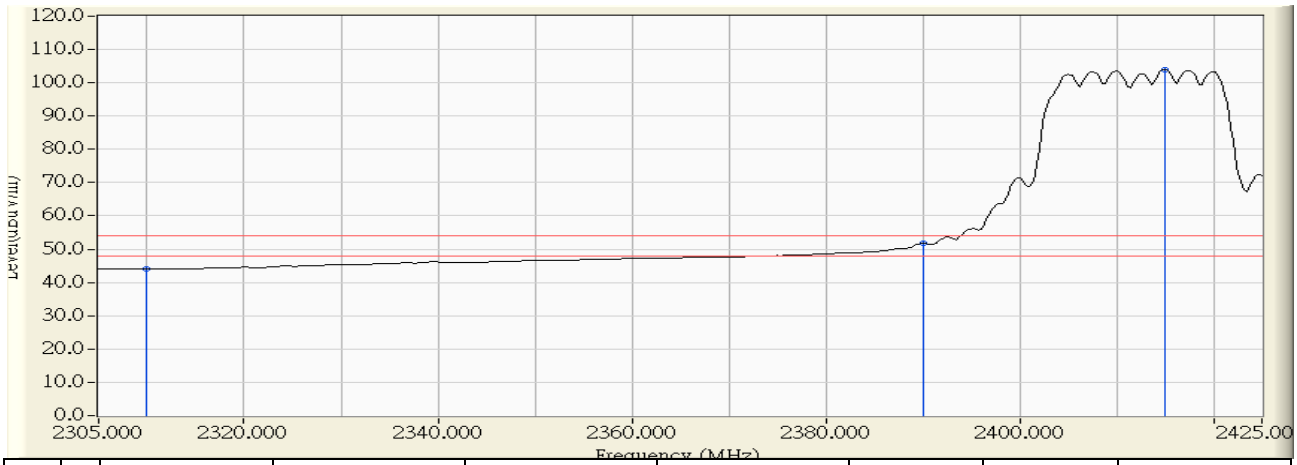


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	24.800	54.859	-19.141	74.000	PEAK
2		2390.000	30.888	34.226	65.114	-8.886	74.000	PEAK
3	*	2417.200	31.170	81.133	112.303	38.303	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/29 - 10:28**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_2412MHz**

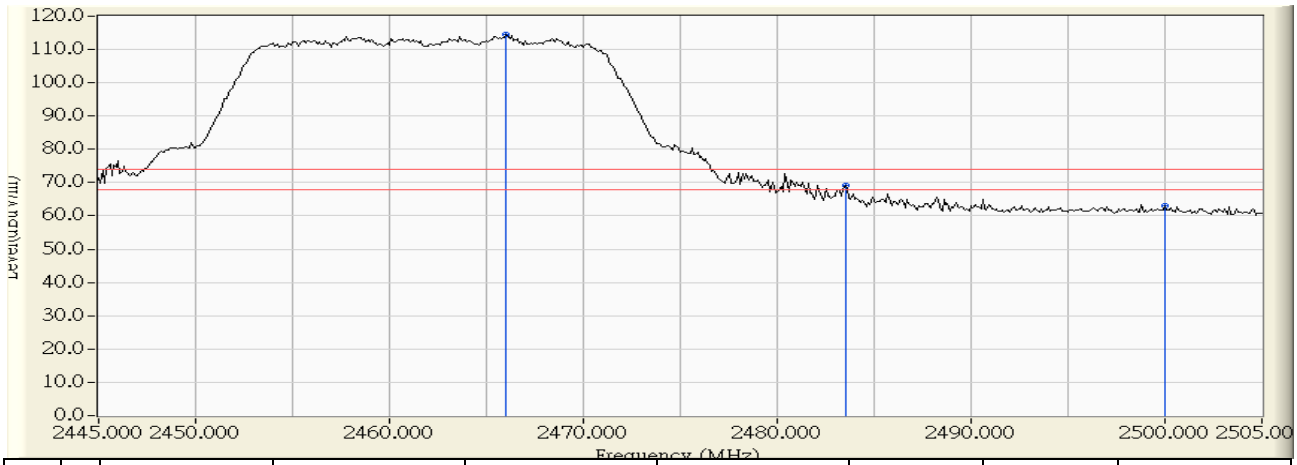


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	13.997	44.056	-9.944	54.000	AVERAGE
2		2390.000	30.888	20.897	51.785	-2.215	54.000	AVERAGE
3	*	2415.000	31.148	72.725	103.873	49.873	54.000	AVERAGE

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 : 2013/08/29 - 10:35**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_2462MHz**

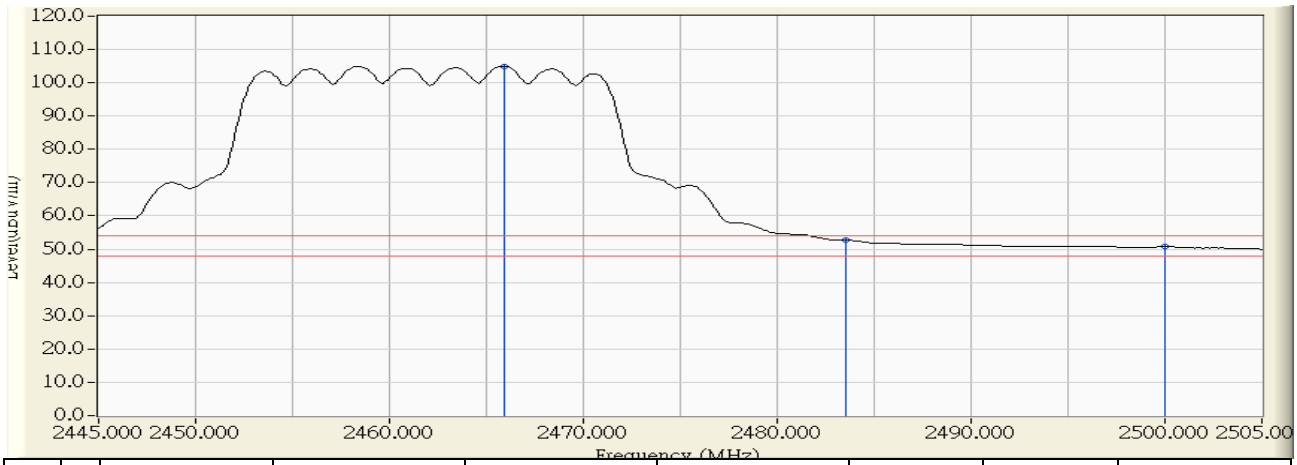


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2466.000	31.676	82.990	114.666	40.666	74.000	PEAK
2		2483.500	31.858	37.174	69.032	-4.968	74.000	PEAK
3		2500.000	31.988	31.160	63.149	-10.851	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/29 - 10:35**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_2462MHz**

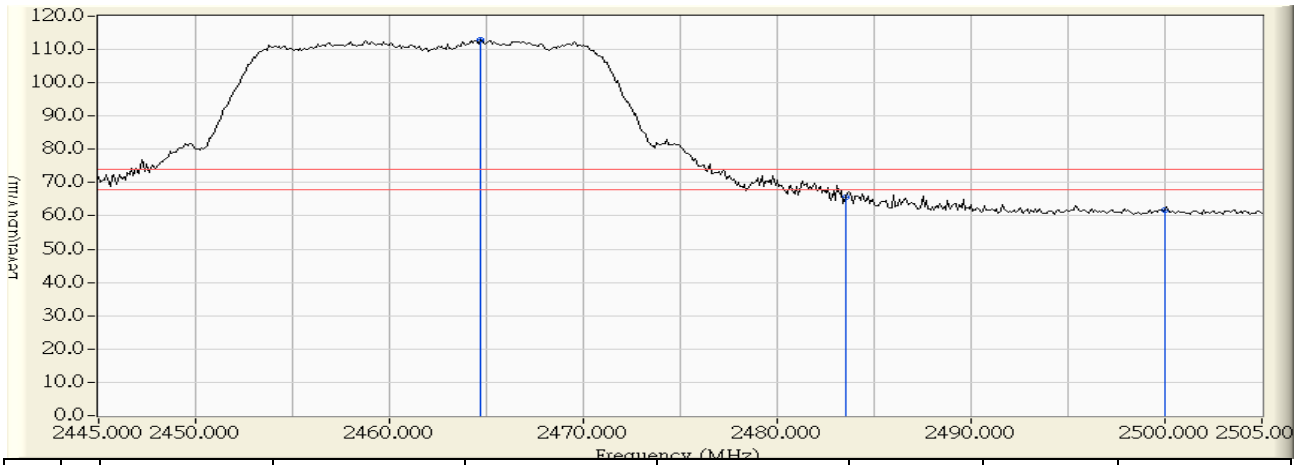


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2465.900	31.675	73.329	105.004	51.004	54.000	AVERAGE
2		2483.500	31.858	20.894	52.752	-1.248	54.000	AVERAGE
3		2500.000	31.988	18.858	50.847	-3.153	54.000	AVERAGE

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 : 2013/08/29 - 10:37**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_2462MHz**

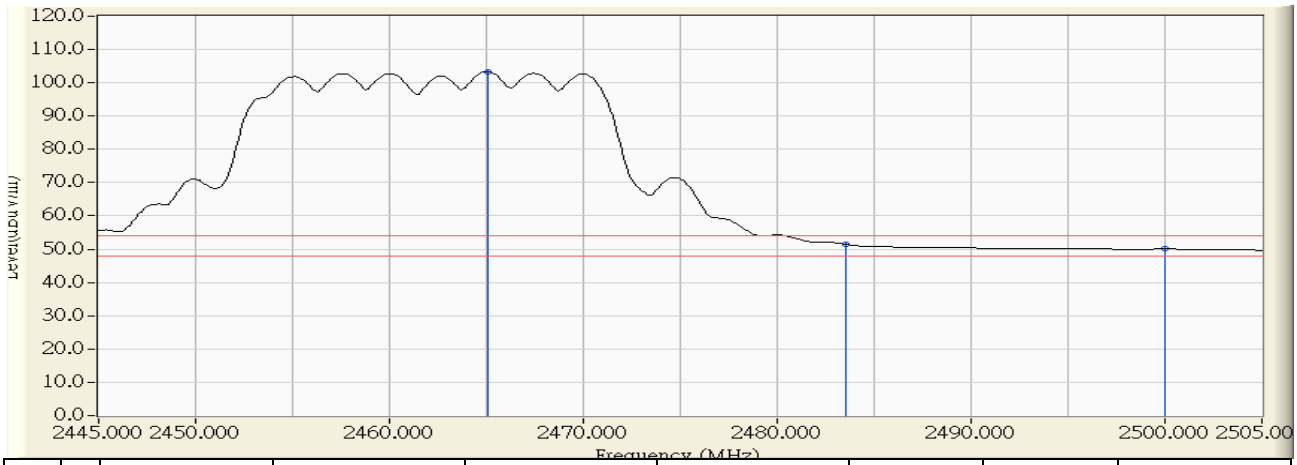


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.700	31.663	81.291	112.954	38.954	74.000	PEAK
2		2483.500	31.858	33.852	65.710	-8.290	74.000	PEAK
3		2500.000	31.988	29.840	61.829	-12.171	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/29 - 10:38**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_2462MHz**

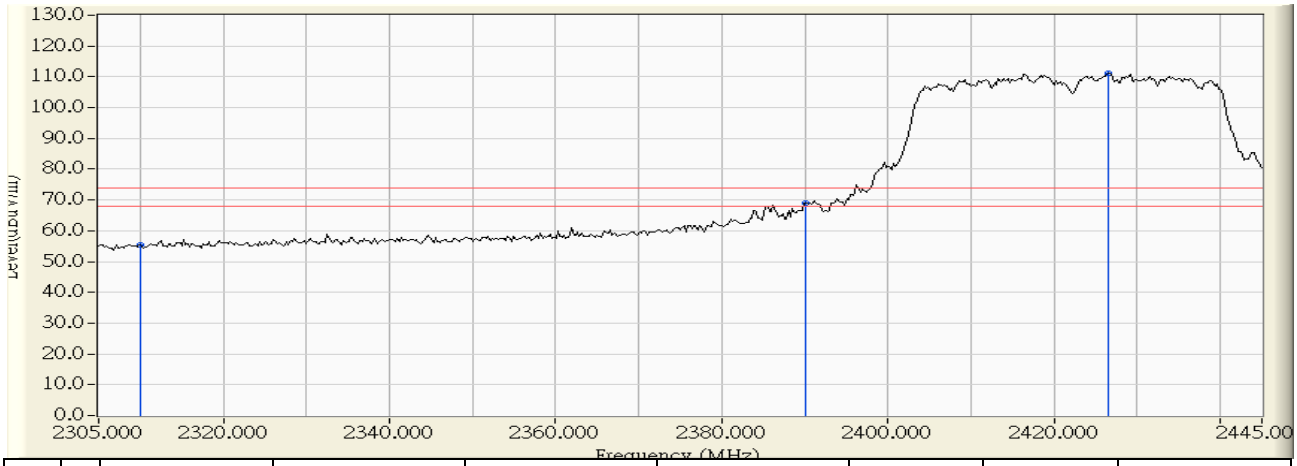


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2465.100	31.667	71.564	103.231	49.231	54.000	AVERAGE
2		2483.500	31.858	19.672	51.530	-2.470	54.000	AVERAGE
3		2500.000	31.988	18.274	50.263	-3.737	54.000	AVERAGE

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 : 2013/08/22 - 14:13**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_2422MHz**

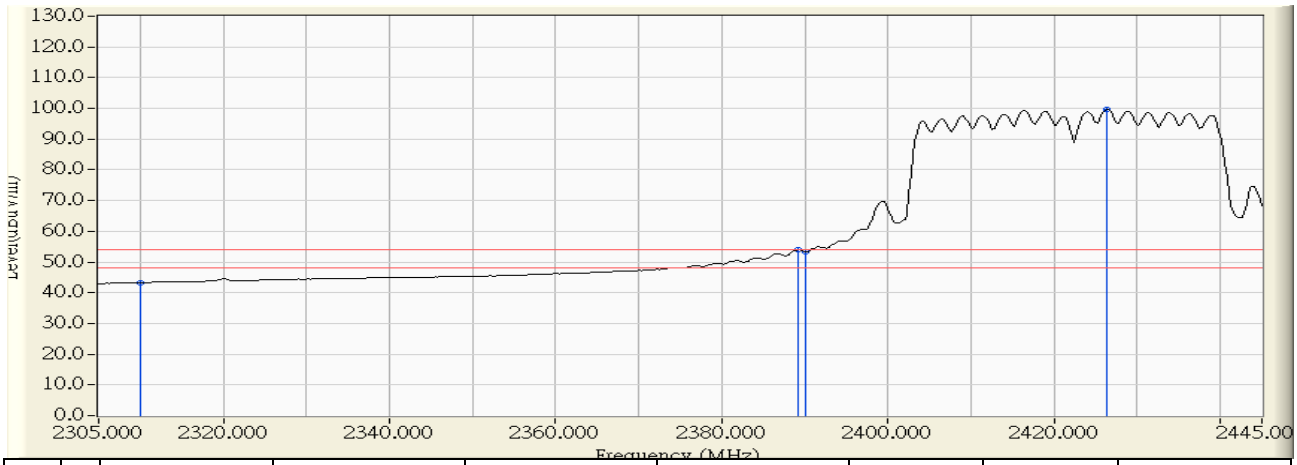


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	25.266	55.325	-18.675	74.000	PEAK
2		2390.000	30.888	38.216	69.104	-4.896	74.000	PEAK
3	*	2426.567	31.267	79.759	111.027	37.027	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/22 - 14:12**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_2422MHz**

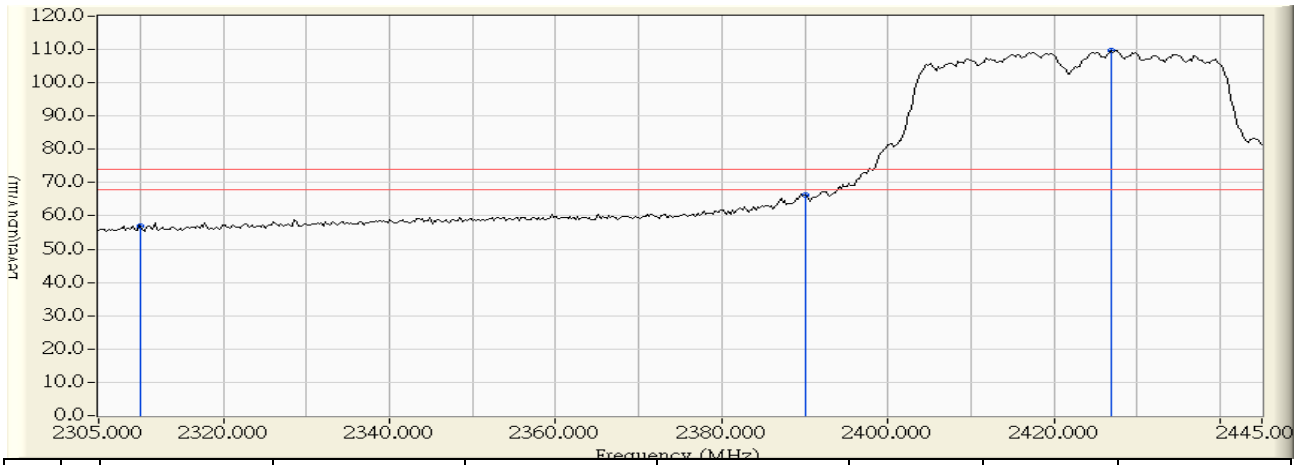


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	13.232	43.291	-10.709	54.000	AVERAGE
2		2389.233	30.880	22.979	53.859	-0.141	54.000	AVERAGE
3		2390.000	30.888	22.394	53.282	-0.718	54.000	AVERAGE
4	*	2426.333	31.265	68.484	99.749	45.749	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 : 2013/08/29 - 11:00**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_2422MHz**

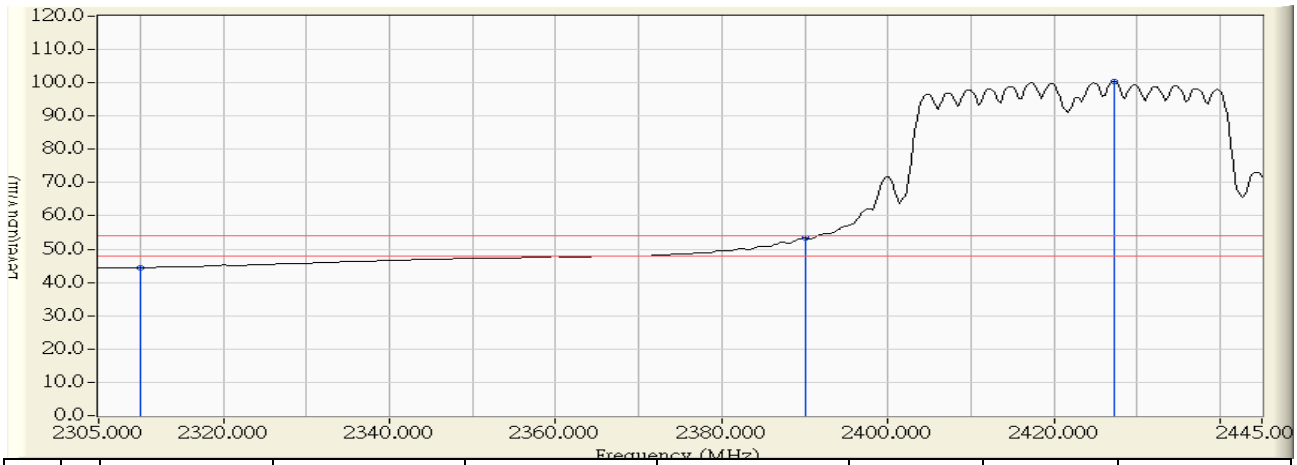


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	26.927	56.986	-17.014	74.000	PEAK
2		2390.000	30.888	35.333	66.221	-7.779	74.000	PEAK
3	*	2426.800	31.270	78.576	109.846	35.846	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/29 - 11:02**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_2422MHz**

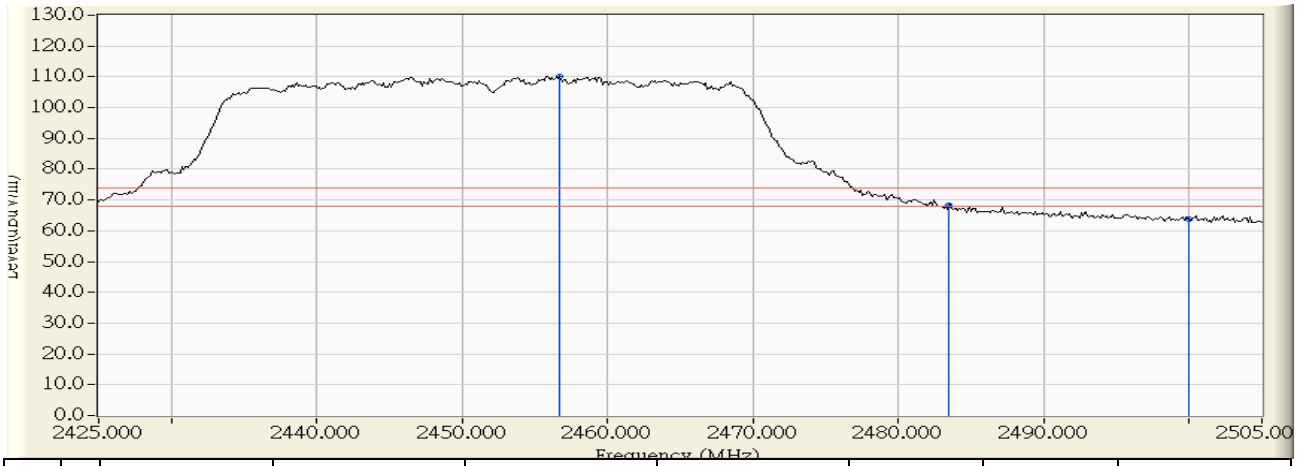


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.059	14.375	44.434	-9.566	54.000	AVERAGE
2		2390.000	30.888	22.414	53.302	-0.698	54.000	AVERAGE
3	*	2427.267	31.275	68.999	100.274	46.274	54.000	AVERAGE

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 : 2013/08/22 - 14:14**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_2452MHz**

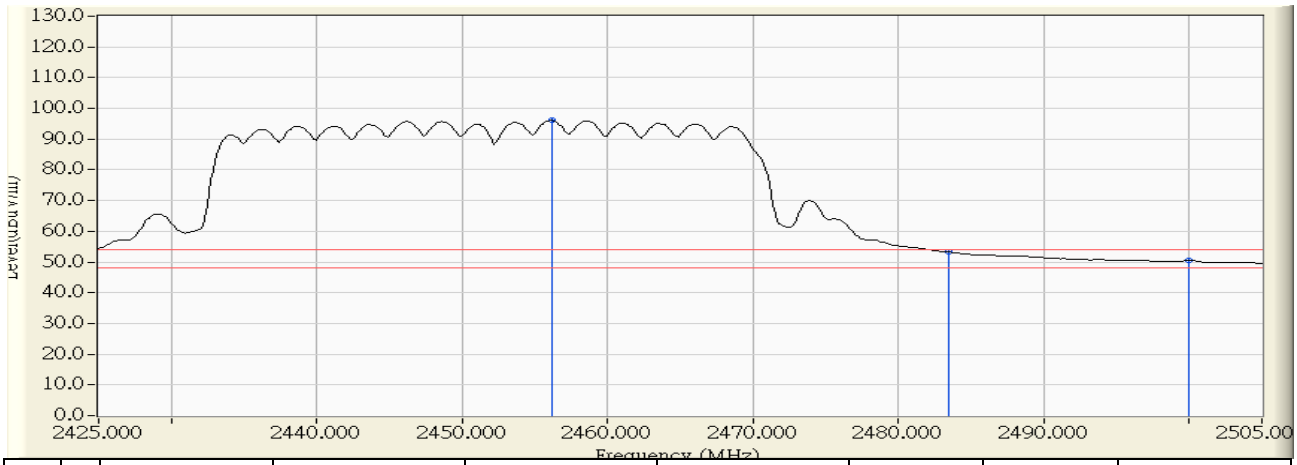


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2456.733	31.580	78.446	110.026	36.026	74.000	PEAK
2		2483.500	31.858	36.309	68.167	-5.833	74.000	PEAK
3		2500.000	31.988	31.666	63.655	-10.345	74.000	PEAK

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.

Site : CB1	**Time : 2013/08/22 - 14:17**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_2452MHz**

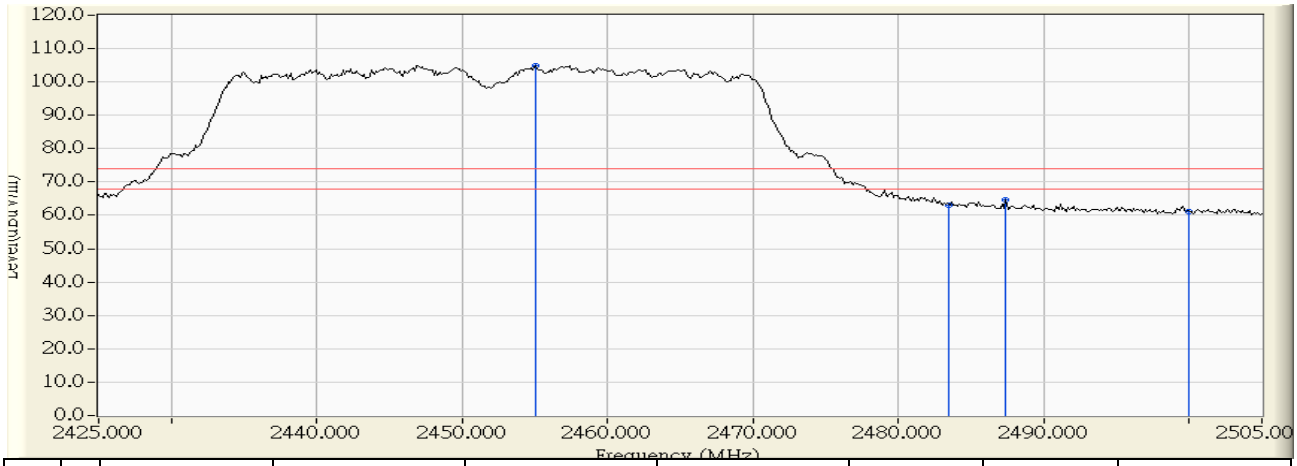


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2456.200	31.575	64.466	96.041	42.041	54.000	AVERAGE
2		2483.500	31.858	21.322	53.180	-0.820	54.000	AVERAGE
3		2500.000	31.988	18.531	50.520	-3.480	54.000	AVERAGE

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 : 2013/08/29 - 11:03**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_2452MHz**

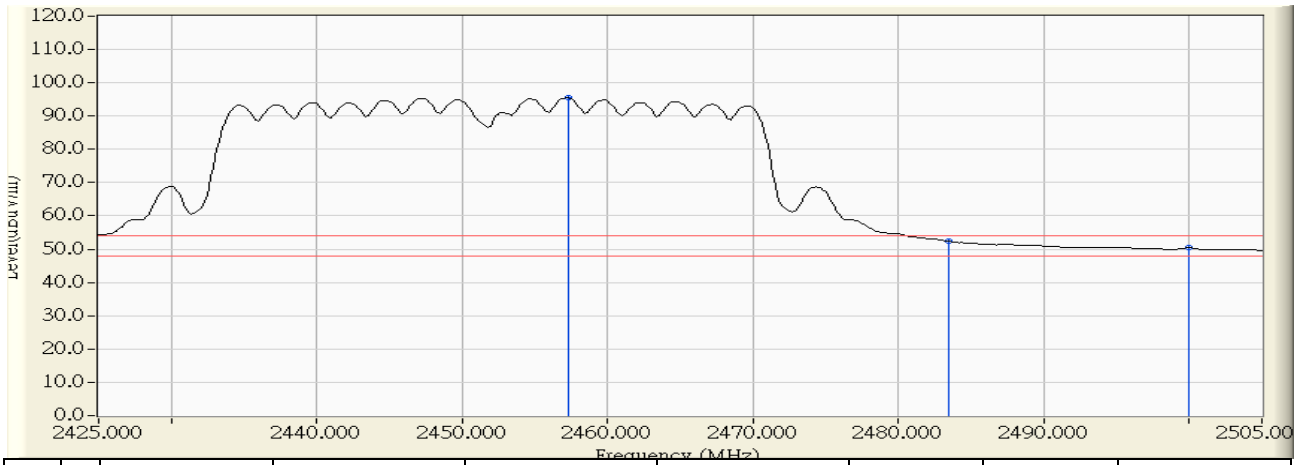


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2455.000	31.562	73.227	104.789	30.789	74.000	PEAK
2		2483.500	31.858	31.355	63.213	-10.787	74.000	PEAK
3		2487.400	31.898	32.686	64.584	-9.416	74.000	PEAK
4		2500.000	31.988	29.286	61.275	-12.725	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.

Site : CB1	**Time : 2013/08/29 - 11:03**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_2452MHz**

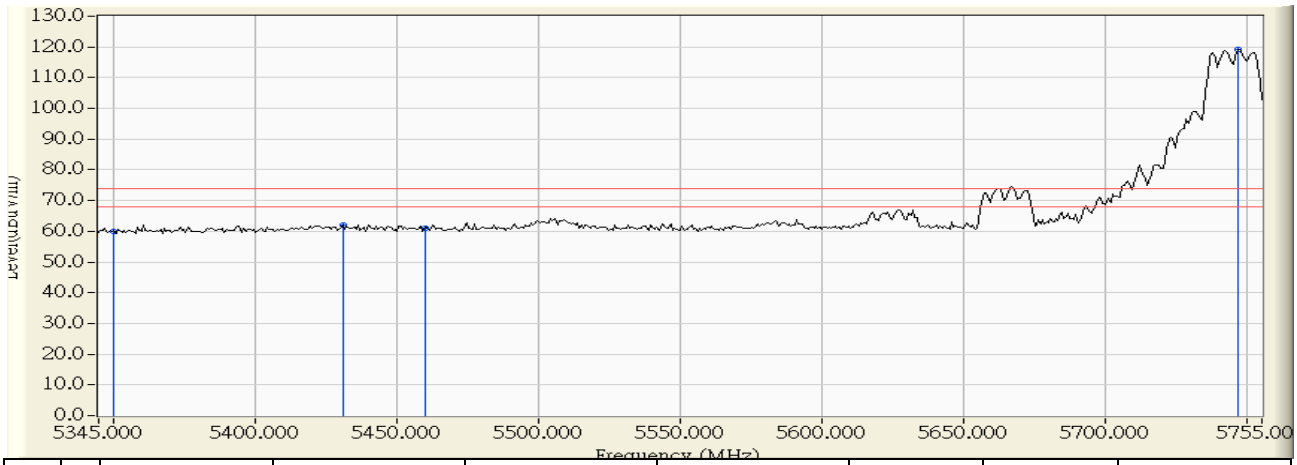


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2457.267	31.586	63.856	95.442	41.442	54.000	AVERAGE
2		2483.500	31.858	20.484	52.342	-1.658	54.000	AVERAGE
3		2500.000	31.988	18.442	50.431	-3.569	54.000	AVERAGE

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 : 2013/08/23 - 09:24**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11a_5745MHz**

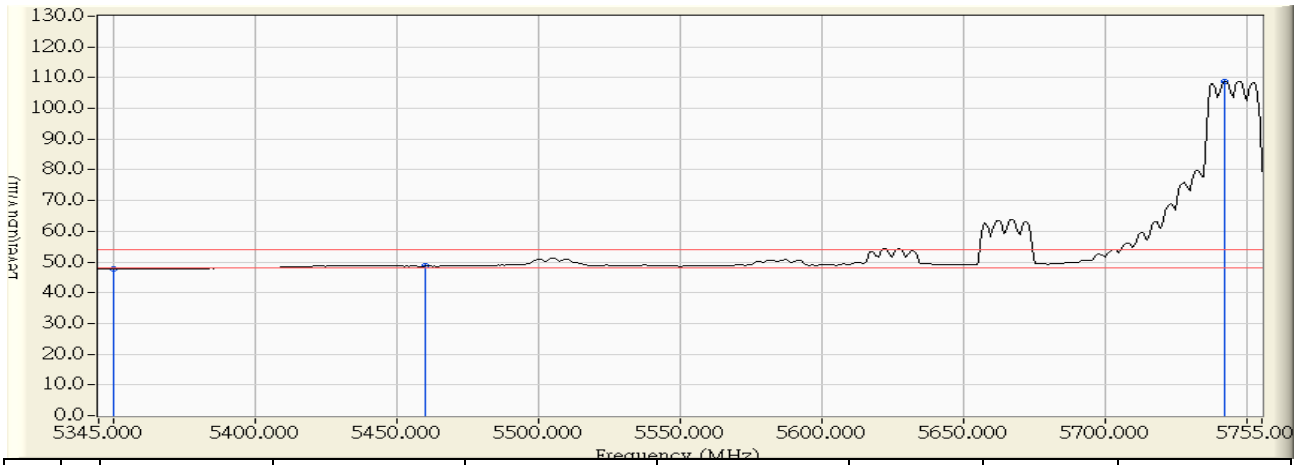


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	57.507	60.033	-13.967	74.000	PEAK
2		5431.100	3.155	58.972	62.127	-11.873	74.000	PEAK
3		5460.000	3.379	57.553	60.932	-13.068	74.000	PEAK
4	*	5746.800	2.737	116.524	119.261	45.261	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.

Site : CB1	**Time : 2013/08/23 - 09:31**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11a_5745MHz**

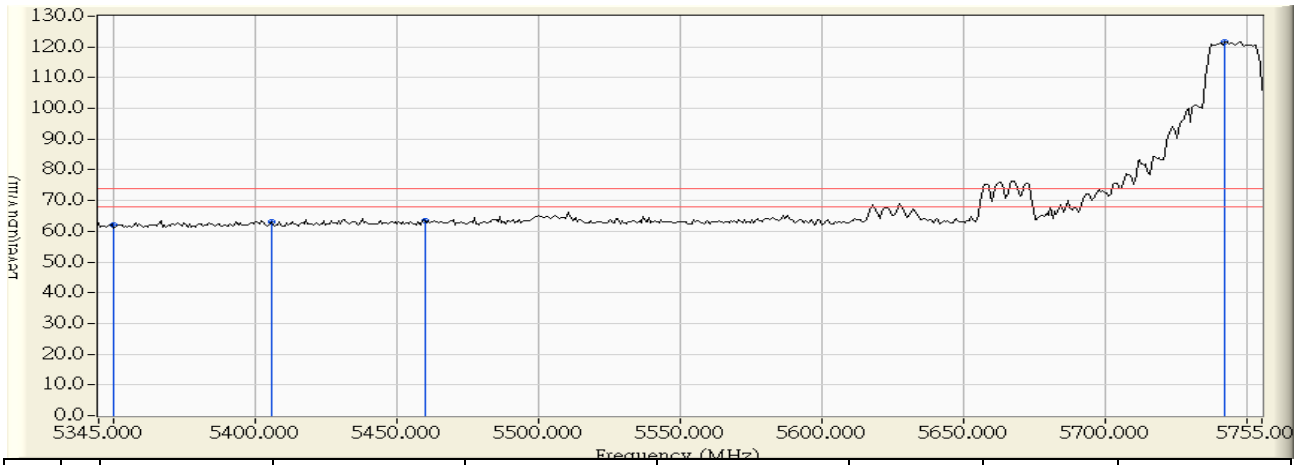


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	45.284	47.810	-6.190	54.000	AVERAGE
2		5460.000	3.379	45.246	48.625	-5.375	54.000	AVERAGE
3	*	5742.017	2.755	105.948	108.703	54.703	54.000	AVERAGE

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 : 2013/08/23 - 09:36**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11a_5745MHz**

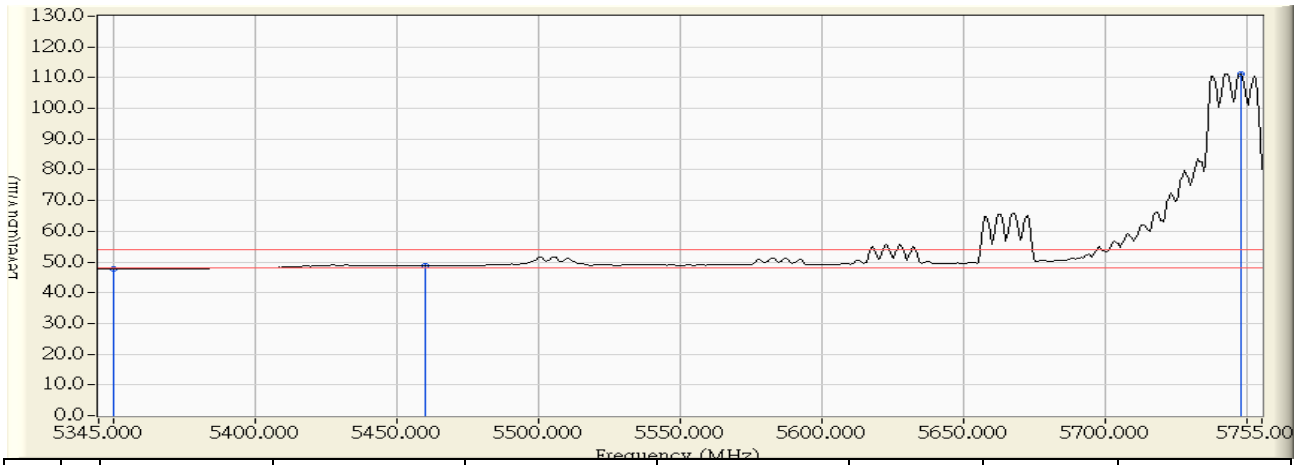


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	59.371	61.897	-12.103	74.000	PEAK
2		5405.817	2.959	60.273	63.232	-10.768	74.000	PEAK
3		5460.000	3.379	60.153	63.532	-10.468	74.000	PEAK
4	*	5742.017	2.755	118.758	121.513	47.513	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.

Site : CB1	**Time : 2013/08/23 - 09:42**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11a_5745MHz**

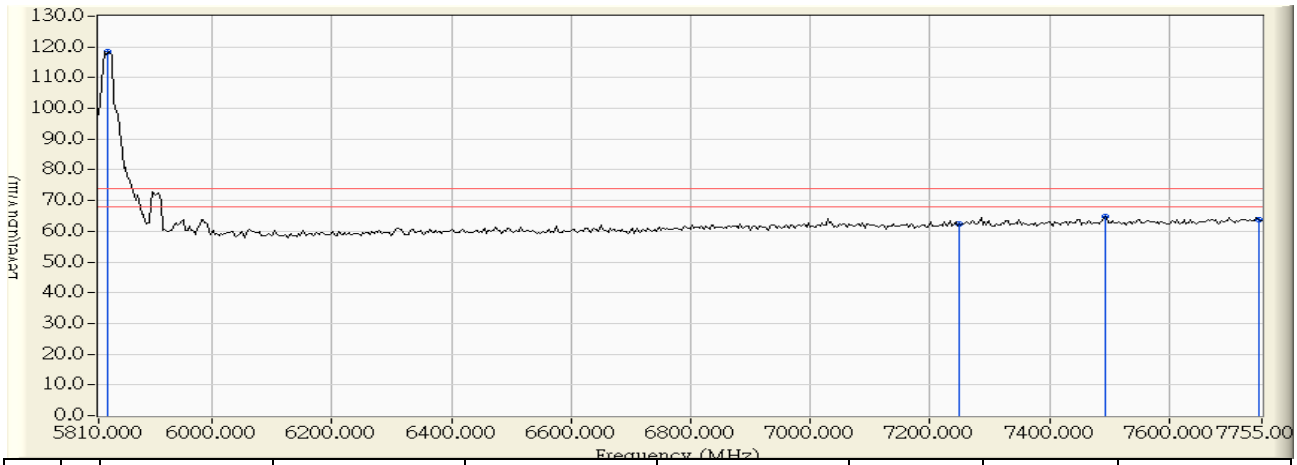


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	45.222	47.748	-6.252	54.000	AVERAGE
2		5460.000	3.379	45.334	48.713	-5.287	54.000	AVERAGE
3	*	5747.483	2.734	108.474	111.208	57.208	54.000	AVERAGE

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 : 2013/08/23 - 09:47**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11a_5825MHz**

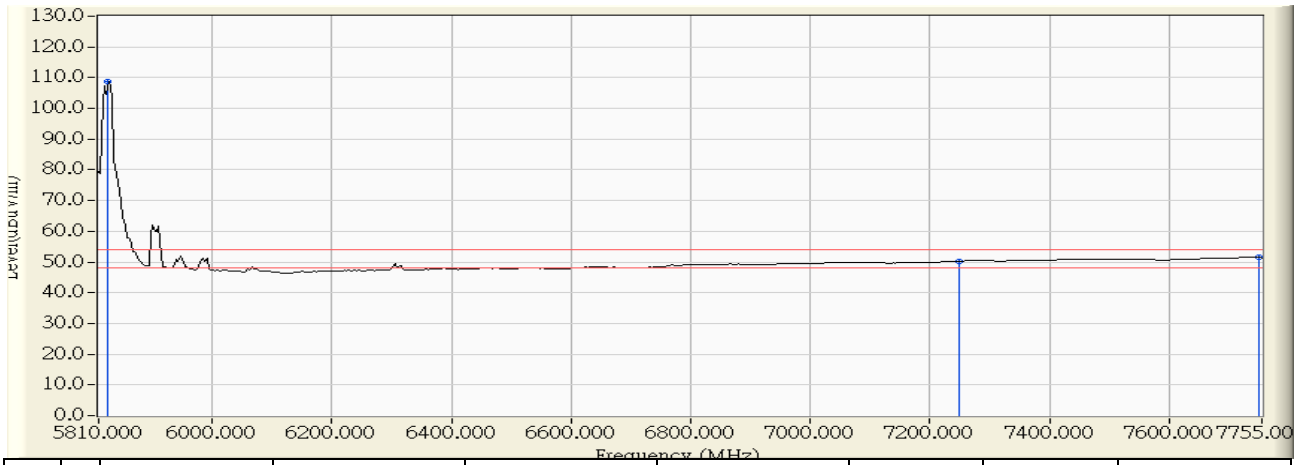


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5826.208	2.430	116.219	118.650	44.650	74.000	PEAK
2		7250.000	5.476	56.824	62.300	-11.700	74.000	PEAK
3		7492.425	6.001	58.798	64.798	-9.202	74.000	PEAK
4		7750.000	6.446	57.454	63.900	-10.100	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.

Site : CB1	**Time : 2013/08/23 - 09:52**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11a_5825MHz**

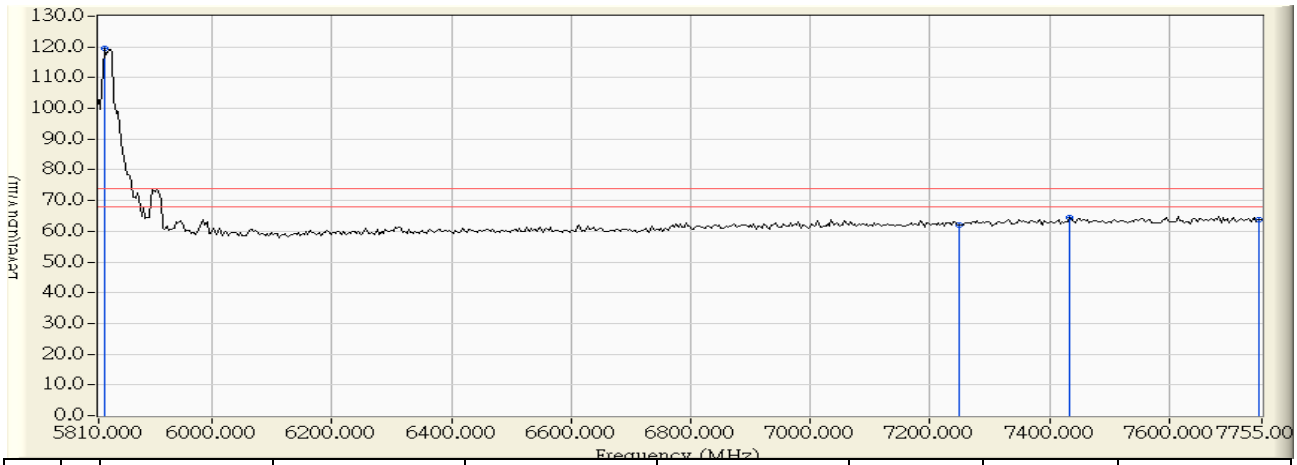


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5826.208	2.430	106.280	108.711	54.711	54.000	AVERAGE
2		7250.000	5.476	44.709	50.185	-3.815	54.000	AVERAGE
3		7750.000	6.446	45.001	51.447	-2.553	54.000	AVERAGE

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 : 2013/08/23 - 09:57**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11a_5825MHz**

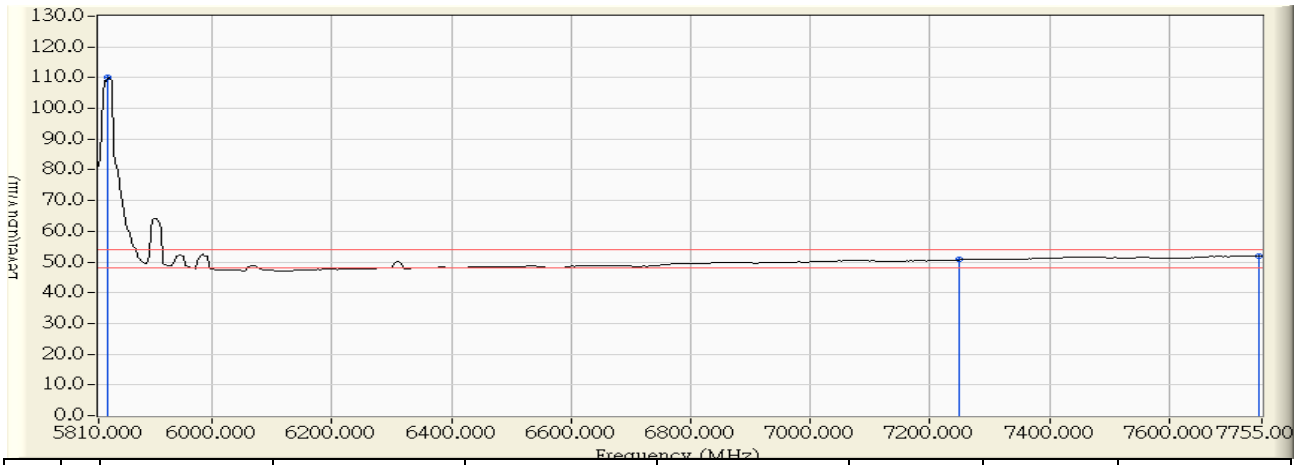


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5819.725	2.455	117.034	119.490	45.490	74.000	PEAK
2		7250.000	5.476	56.717	62.193	-11.807	74.000	PEAK
3		7434.075	5.873	58.529	64.403	-9.597	74.000	PEAK
4		7750.000	6.446	57.314	63.760	-10.240	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.

Site : CB1	**Time : 2013/08/23 - 10:02**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11a_5825MHz**

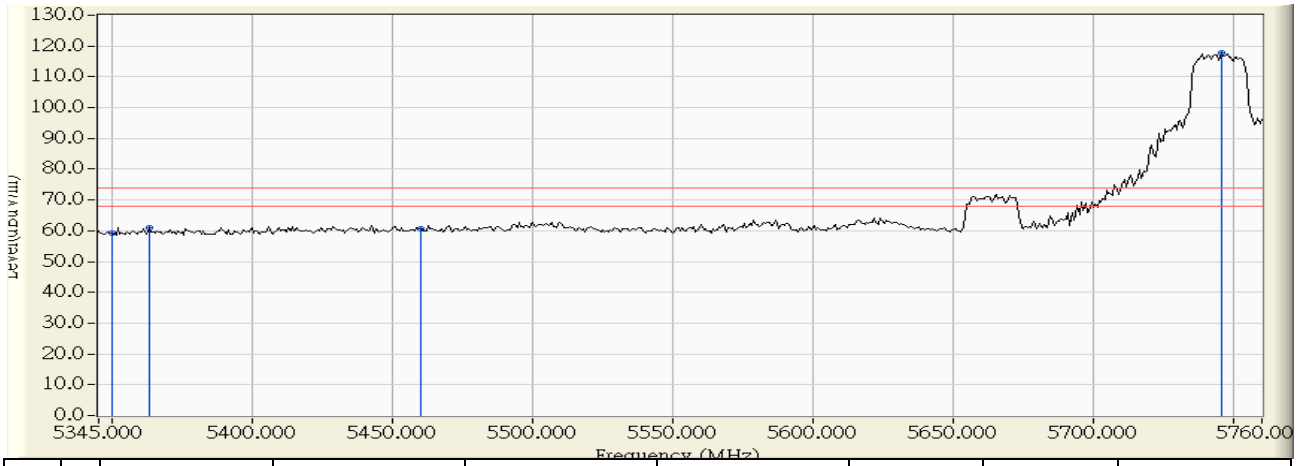


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5826.208	2.430	107.575	110.006	56.006	54.000	AVERAGE
2		7250.000	5.476	45.236	50.712	-3.288	54.000	AVERAGE
3		7750.000	6.446	45.551	51.997	-2.003	54.000	AVERAGE

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 : 2013/08/23 - 10:07**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_5745MHz**

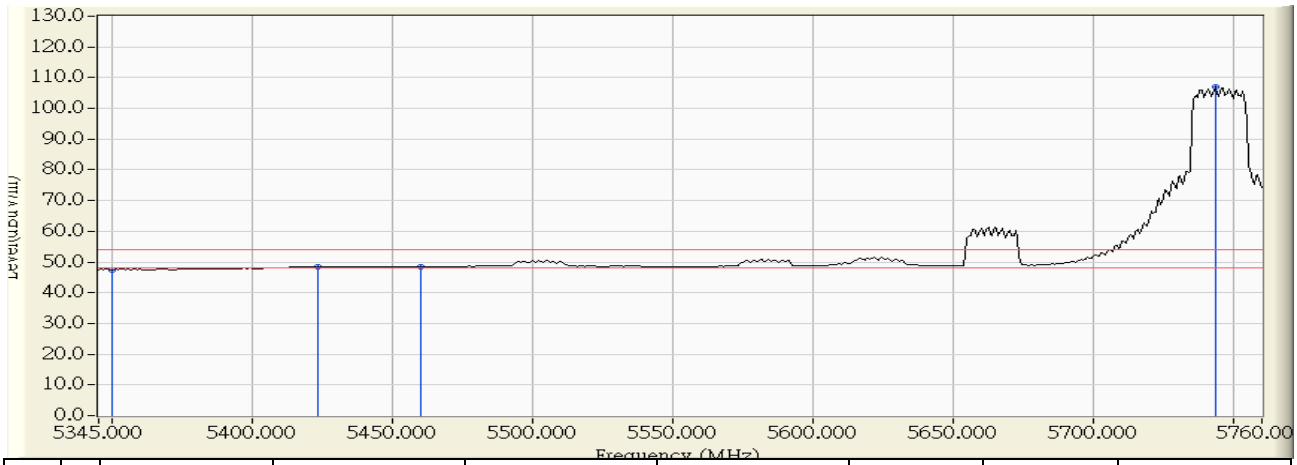


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	56.597	59.123	-14.877	74.000	PEAK
2		5362.983	2.626	58.313	60.940	-13.060	74.000	PEAK
3		5460.000	3.379	57.197	60.576	-13.424	74.000	PEAK
4	*	5745.475	2.742	114.893	117.635	43.635	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.

Site : CB1	**Time : 2013/08/23 - 10:11**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_5745MHz**

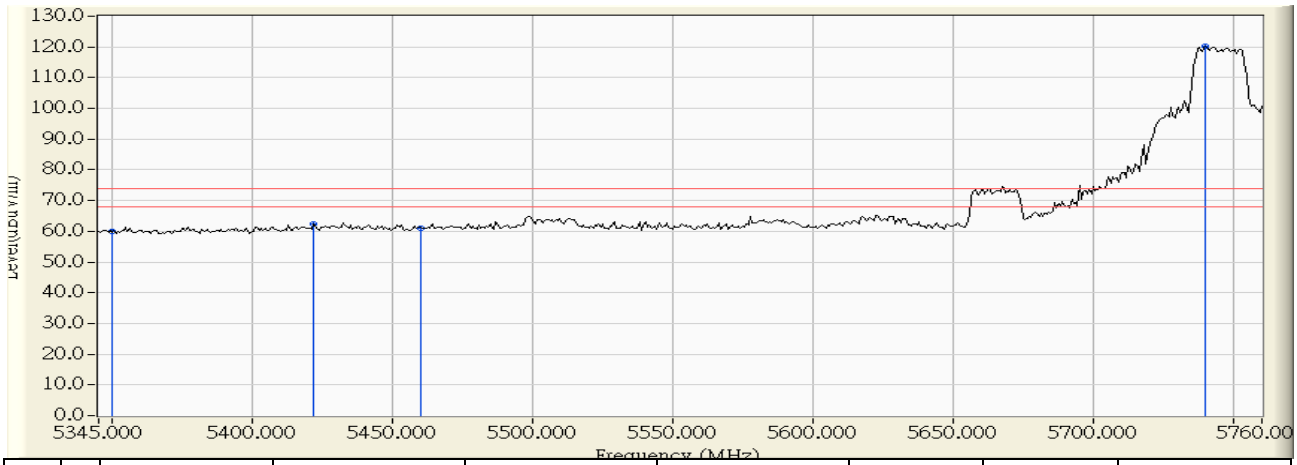


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	44.999	47.525	-6.475	54.000	AVERAGE
2		5423.158	3.093	45.390	48.484	-5.516	54.000	AVERAGE
3		5460.000	3.379	45.058	48.437	-5.563	54.000	AVERAGE
4	*	5743.400	2.749	104.250	107.000	53.000	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 : 2013/08/23 - 10:16**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_5745MHz**

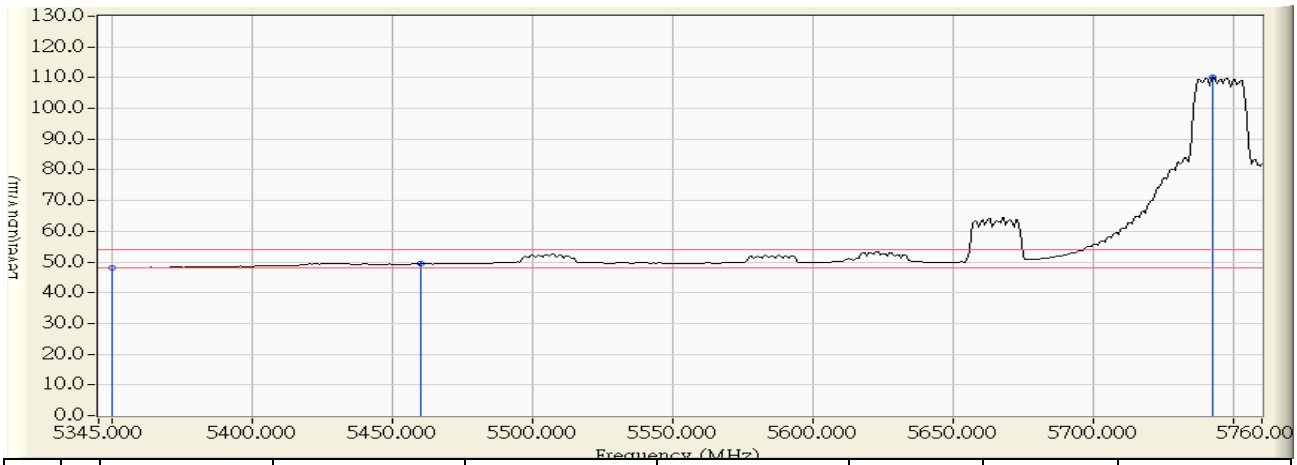


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	57.310	59.836	-14.164	74.000	PEAK
2		5421.775	3.083	59.149	62.232	-11.768	74.000	PEAK
3		5460.000	3.379	57.750	61.129	-12.871	74.000	PEAK
4	*	5739.942	2.763	117.639	120.402	46.402	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.

Site : CB1	**Time : 2013/08/23 - 10:22**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_5745MHz**

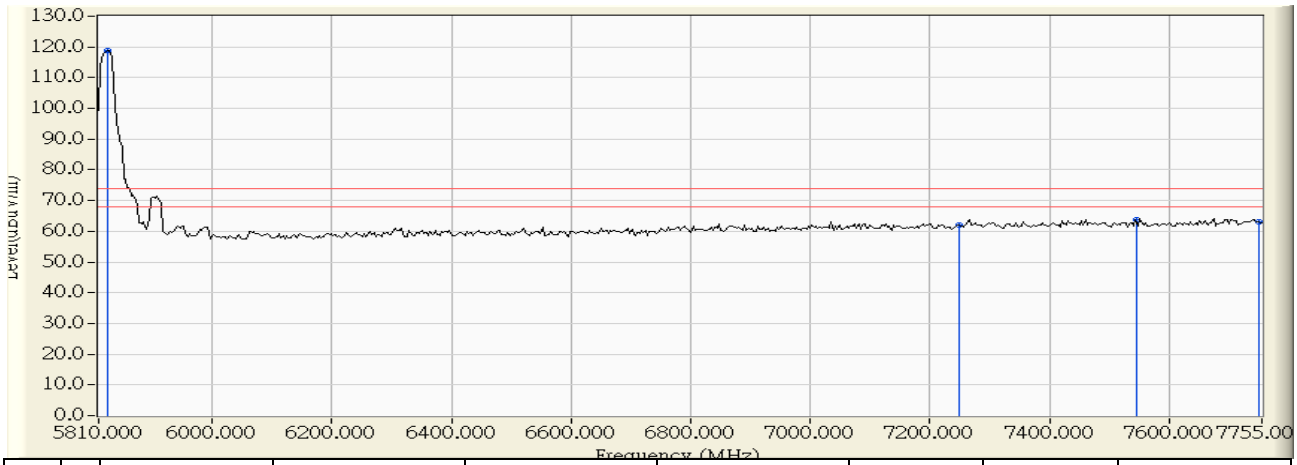


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	45.707	48.233	-5.767	54.000	AVERAGE
2		5460.000	3.379	45.964	49.343	-4.657	54.000	AVERAGE
3	*	5742.708	2.752	107.407	110.159	56.159	54.000	AVERAGE

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 : 2013/08/23 - 10:27**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_5825MHz**

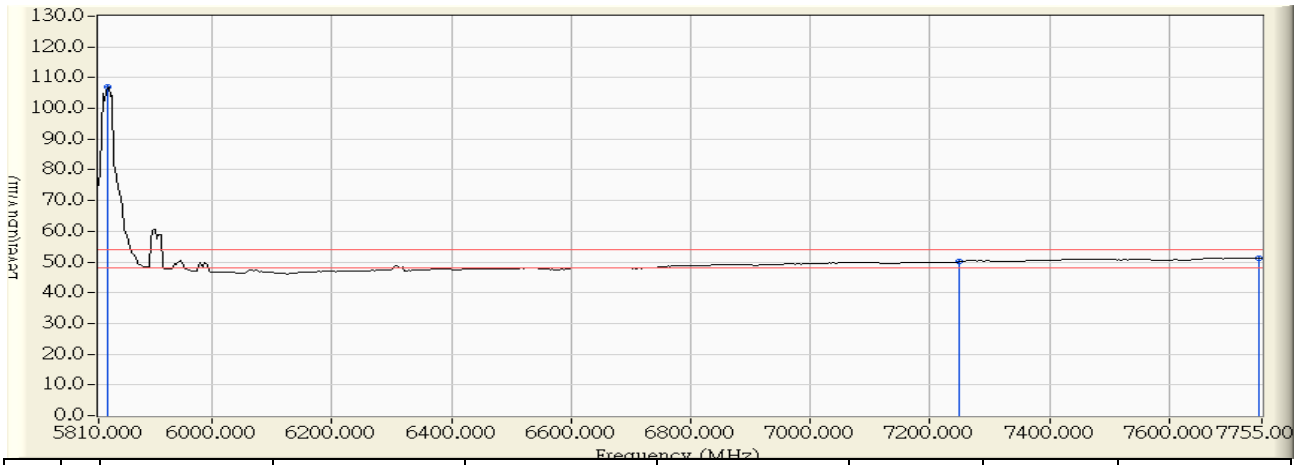


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5826.208	2.430	116.337	118.768	44.768	74.000	PEAK
2		7250.000	5.476	56.529	62.005	-11.995	74.000	PEAK
3		7544.292	6.092	57.562	63.654	-10.346	74.000	PEAK
4		7750.000	6.446	56.548	62.994	-11.006	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.

Site : CB1	**Time : 2013/08/23 - 10:32**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_5825MHz**

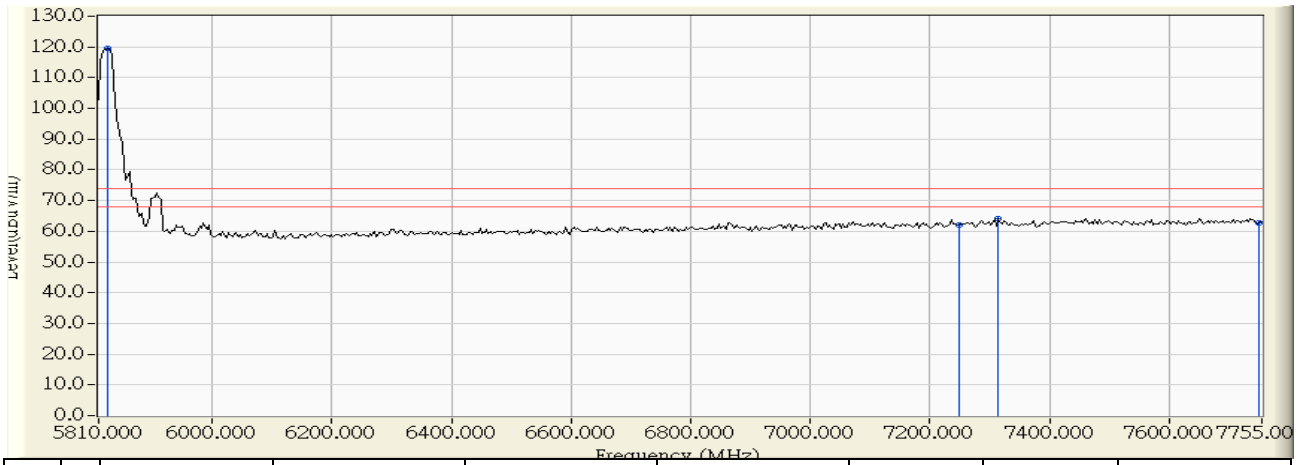


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5826.208	2.430	104.705	107.136	53.136	54.000	AVERAGE
2		7250.000	5.476	44.586	50.062	-3.938	54.000	AVERAGE
3		7750.000	6.446	44.896	51.342	-2.658	54.000	AVERAGE

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 : 2013/08/23 - 10:39**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_5825MHz**

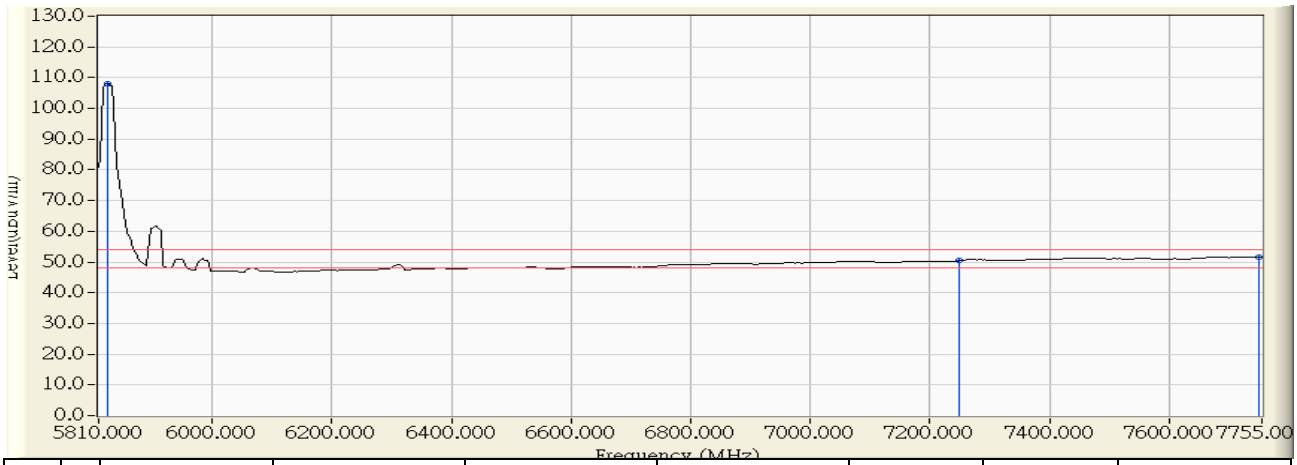


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5826.208	2.430	116.940	119.371	45.371	74.000	PEAK
2		7250.000	5.476	56.686	62.162	-11.838	74.000	PEAK
3		7314.133	5.614	58.370	63.984	-10.016	74.000	PEAK
4		7750.000	6.446	56.298	62.744	-11.256	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.

Site : CB1	**Time : 2013/08/23 - 10:44**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n20M_5825MHz**

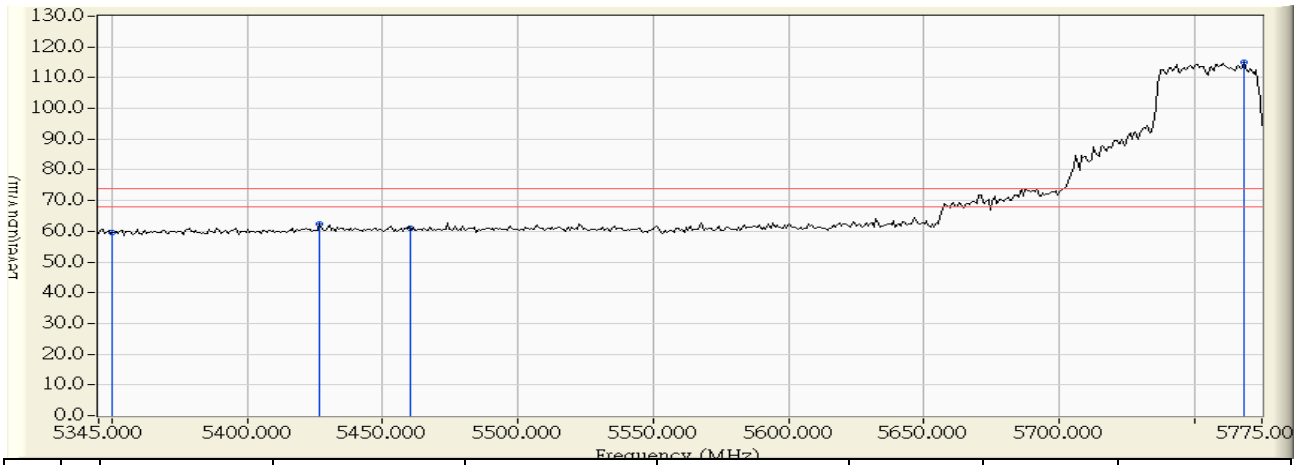


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5826.208	2.430	105.694	108.125	54.125	54.000	AVERAGE
2		7250.000	5.476	44.932	50.408	-3.592	54.000	AVERAGE
3		7750.000	6.446	45.262	51.708	-2.292	54.000	AVERAGE

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 : 2013/08/23 - 10:49**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_5755MHz**

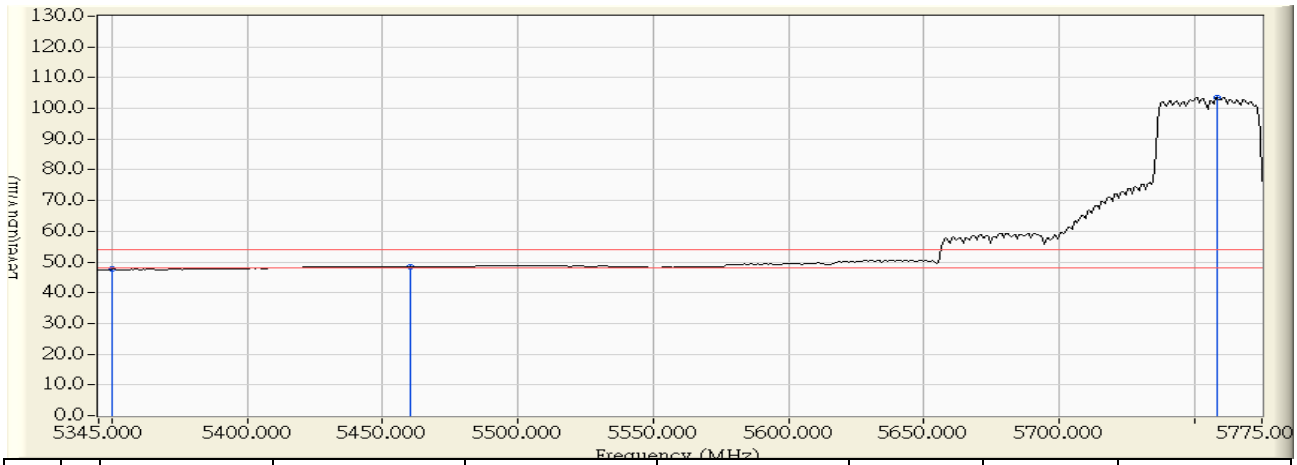


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	57.220	59.746	-14.254	74.000	PEAK
2		5426.700	3.122	59.140	62.261	-11.739	74.000	PEAK
3		5460.000	3.379	57.688	61.067	-12.933	74.000	PEAK
4	*	5768.550	2.653	112.193	114.846	40.846	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.

Site : CB1	**Time : 2013/08/23 - 10:54**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_5755MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	45.050	47.576	-6.424	54.000	AVERAGE
2		5460.000	3.379	44.995	48.374	-5.626	54.000	AVERAGE
3	*	5758.517	2.692	100.986	103.678	49.678	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.

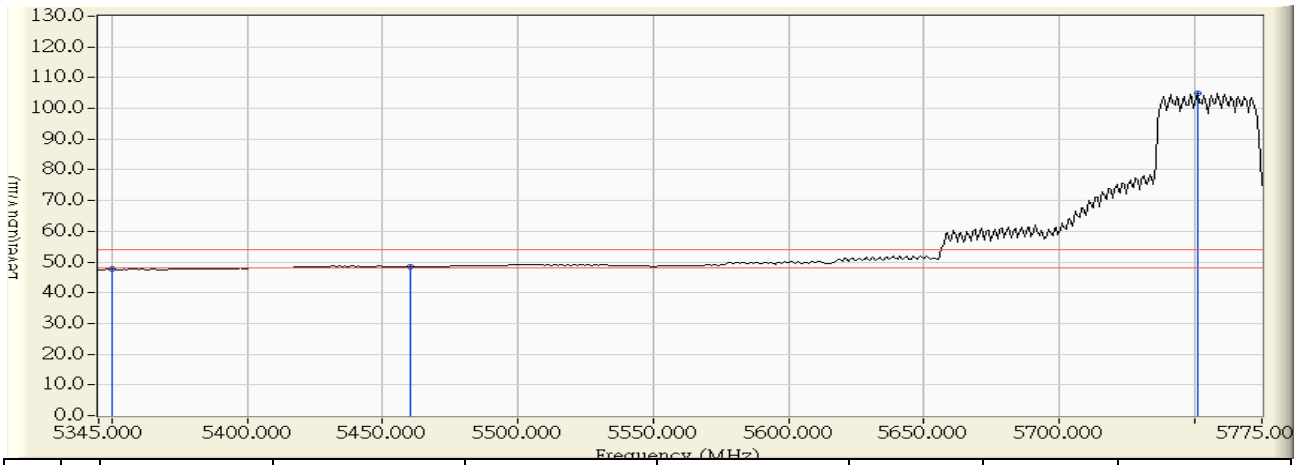
Site : CB1	**Time : 2013/08/23 - 10:59**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_5755MHz**

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	57.977	60.503	-13.497	74.000	PEAK
2		5425.983	3.115	59.756	62.871	-11.129	74.000	PEAK
3		5460.000	3.379	58.509	61.888	-12.112	74.000	PEAK
4	*	5750.633	2.721	114.108	116.830	42.830	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.

Site : CB1	**Time : 2013/08/23 - 11:04**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_5755MHz**

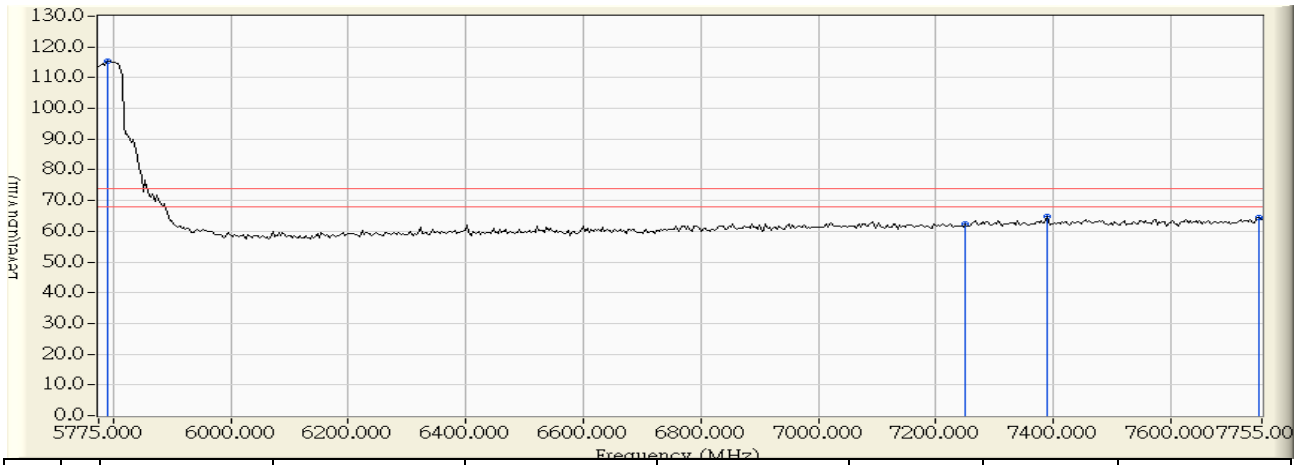


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	45.051	47.577	-6.423	54.000	AVERAGE
2		5460.000	3.379	45.083	48.462	-5.538	54.000	AVERAGE
3	*	5751.350	2.720	102.087	104.806	50.806	54.000	AVERAGE

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 : 2013/08/23 - 11:10**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_5795MHz**

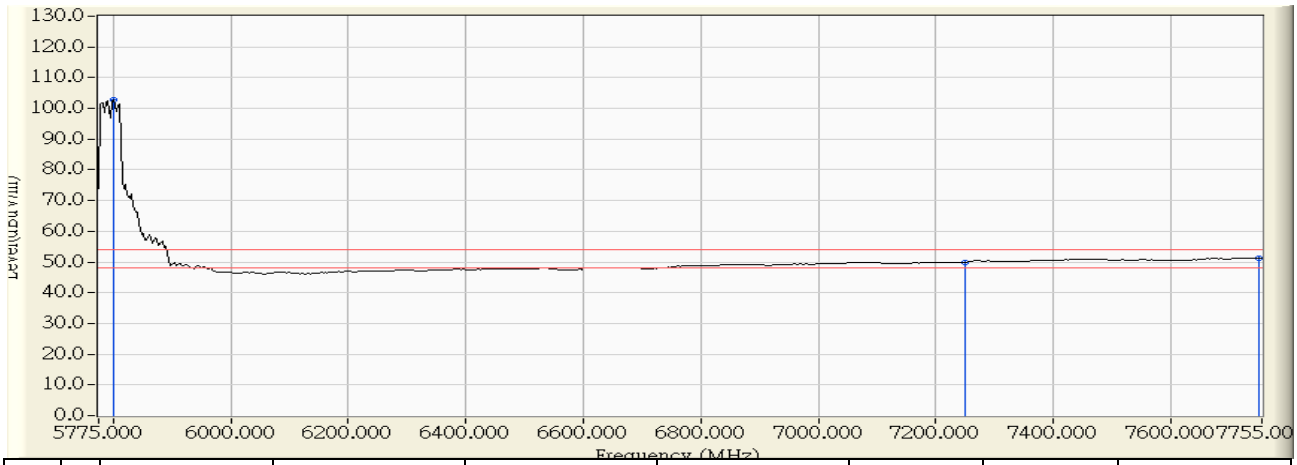


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5791.500	2.564	112.704	115.268	41.268	74.000	PEAK
2		7250.000	5.476	56.737	62.213	-11.787	74.000	PEAK
3		7388.700	5.775	59.053	64.829	-9.171	74.000	PEAK
4		7750.000	6.446	58.018	64.464	-9.536	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.

Site : CB1	**Time : 2013/08/23 - 11:15**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_5795MHz**

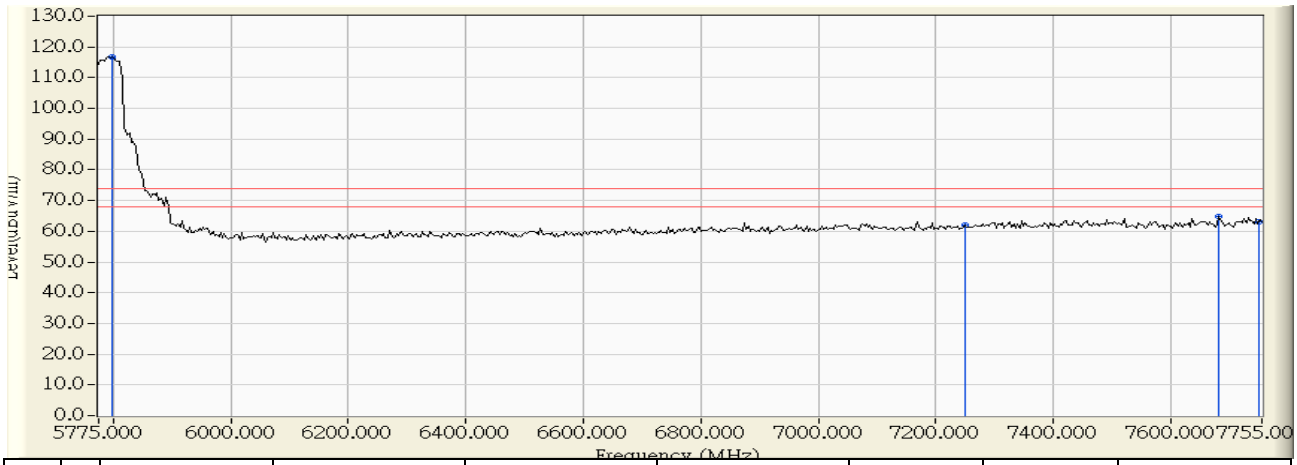


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5801.400	2.526	100.160	102.686	48.686	54.000	AVERAGE
2		7250.000	5.476	44.516	49.992	-4.008	54.000	AVERAGE
3		7750.000	6.446	44.862	51.308	-2.692	54.000	AVERAGE

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 : 2013/08/23 - 11:21**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_5795MHz**

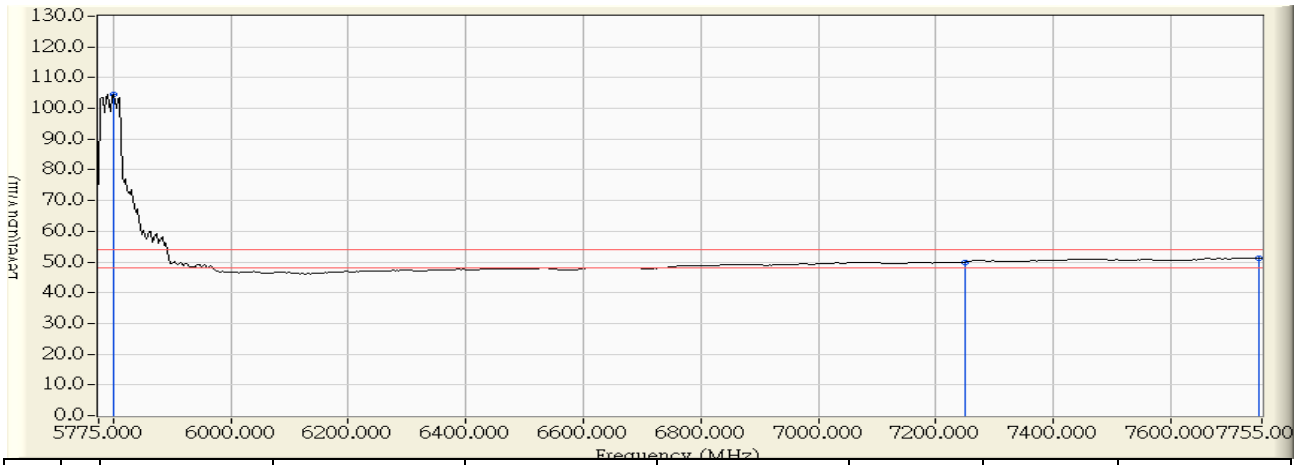


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5798.100	2.539	114.175	116.714	42.714	74.000	PEAK
2		7250.000	5.476	56.445	61.921	-12.079	74.000	PEAK
3		7682.400	6.330	58.526	64.856	-9.144	74.000	PEAK
4		7750.000	6.446	56.504	62.950	-11.050	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.

Site : CB1	**Time : 2013/08/23 - 11:26**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11n40M_5795MHz**

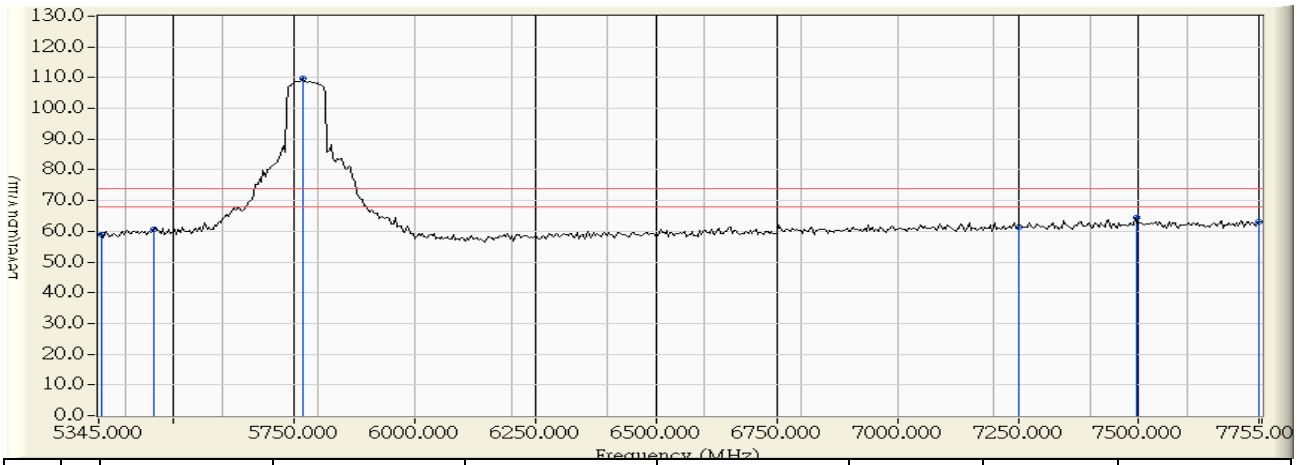


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5801.400	2.526	102.157	104.683	50.683	54.000	AVERAGE
2		7250.000	5.476	44.530	50.006	-3.994	54.000	AVERAGE
3		7750.000	6.446	44.892	51.338	-2.662	54.000	AVERAGE

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 : 2013/08/23 - 11:31**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11ac80M_5775MHz**

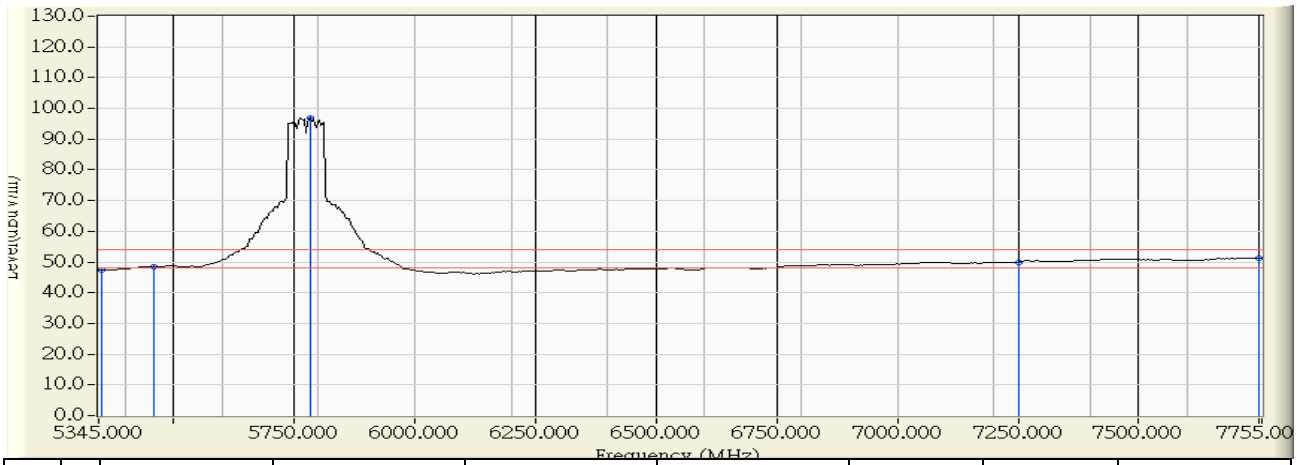


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	56.326	58.852	-15.148	74.000	PEAK
2		5460.000	3.379	57.437	60.816	-13.184	74.000	PEAK
3	*	5766.750	2.660	107.053	109.713	35.713	74.000	PEAK
4		7250.000	5.476	55.763	61.239	-12.761	74.000	PEAK
5		7493.917	6.003	58.302	64.305	-9.695	74.000	PEAK
6		7750.000	6.446	56.472	62.918	-11.082	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.

Site : CB1	**Time : 2013/08/23 - 11:37**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11ac80M_5775MHz**

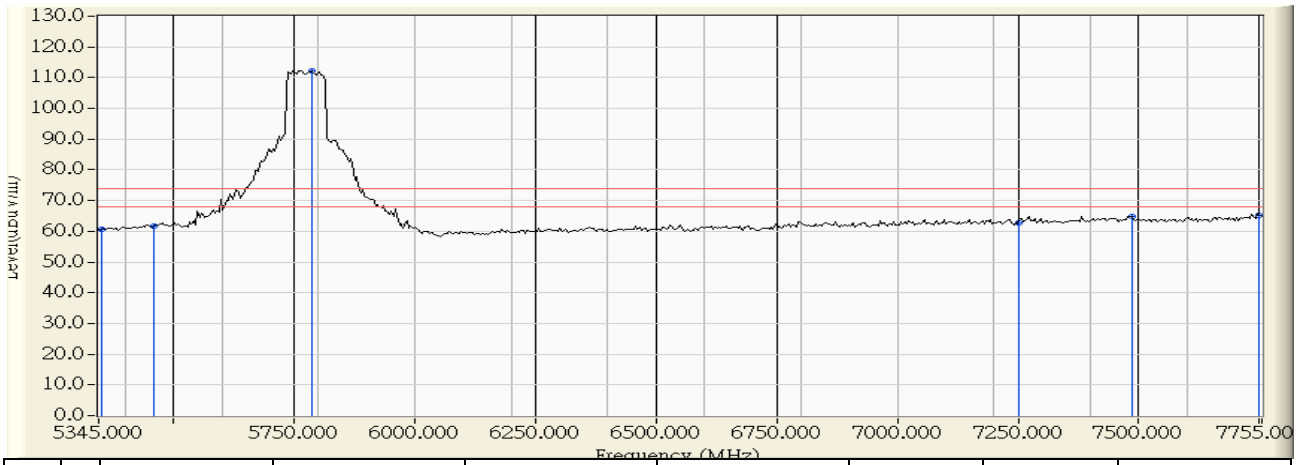


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	44.924	47.450	-6.550	54.000	AVERAGE
2		5460.000	3.379	44.992	48.371	-5.629	54.000	AVERAGE
3	*	5782.817	2.598	94.238	96.836	42.836	54.000	AVERAGE
4		7250.000	5.476	44.515	49.991	-4.009	54.000	AVERAGE
5		7750.000	6.446	44.884	51.330	-2.670	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.

Site : CB1	**Time : 2013/08/23 - 11:44**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11ac80M_5775MHz**

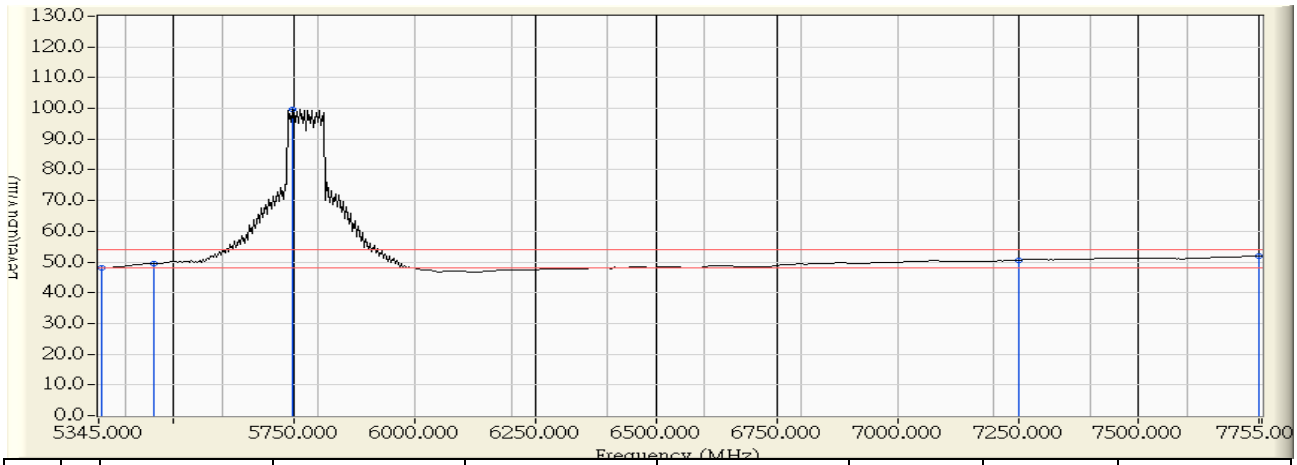


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	57.953	60.479	-13.521	74.000	PEAK
2		5460.000	3.379	58.464	61.843	-12.157	74.000	PEAK
3	*	5786.833	2.583	109.749	112.331	38.331	74.000	PEAK
4		7250.000	5.476	57.382	62.858	-11.142	74.000	PEAK
5		7485.883	5.986	58.736	64.722	-9.278	74.000	PEAK
6		7750.000	6.446	58.891	65.337	-8.663	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.

Site : CB1	**Time : 2013/08/23 - 11:51**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 0**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-AC1200 Gigabit Router	**Note : 802.11ac80M_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.526	45.661	48.187	-5.813	54.000	AVERAGE
2		5460.000	3.379	45.990	49.369	-4.631	54.000	AVERAGE
3	*	5746.667	2.737	97.077	99.814	45.814	54.000	AVERAGE
4		7250.000	5.476	45.029	50.505	-3.495	54.000	AVERAGE
5		7750.000	6.446	45.395	51.841	-2.159	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. Occupied Bandwidth

7.1. Test Equipment

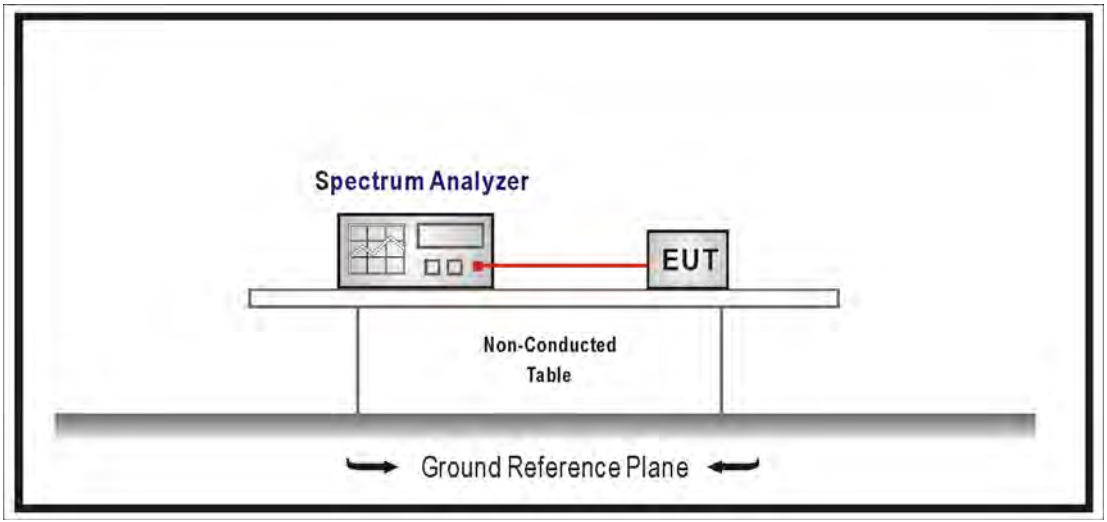
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2014/08/05

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 according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

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: 2013

7.6. Uncertainty

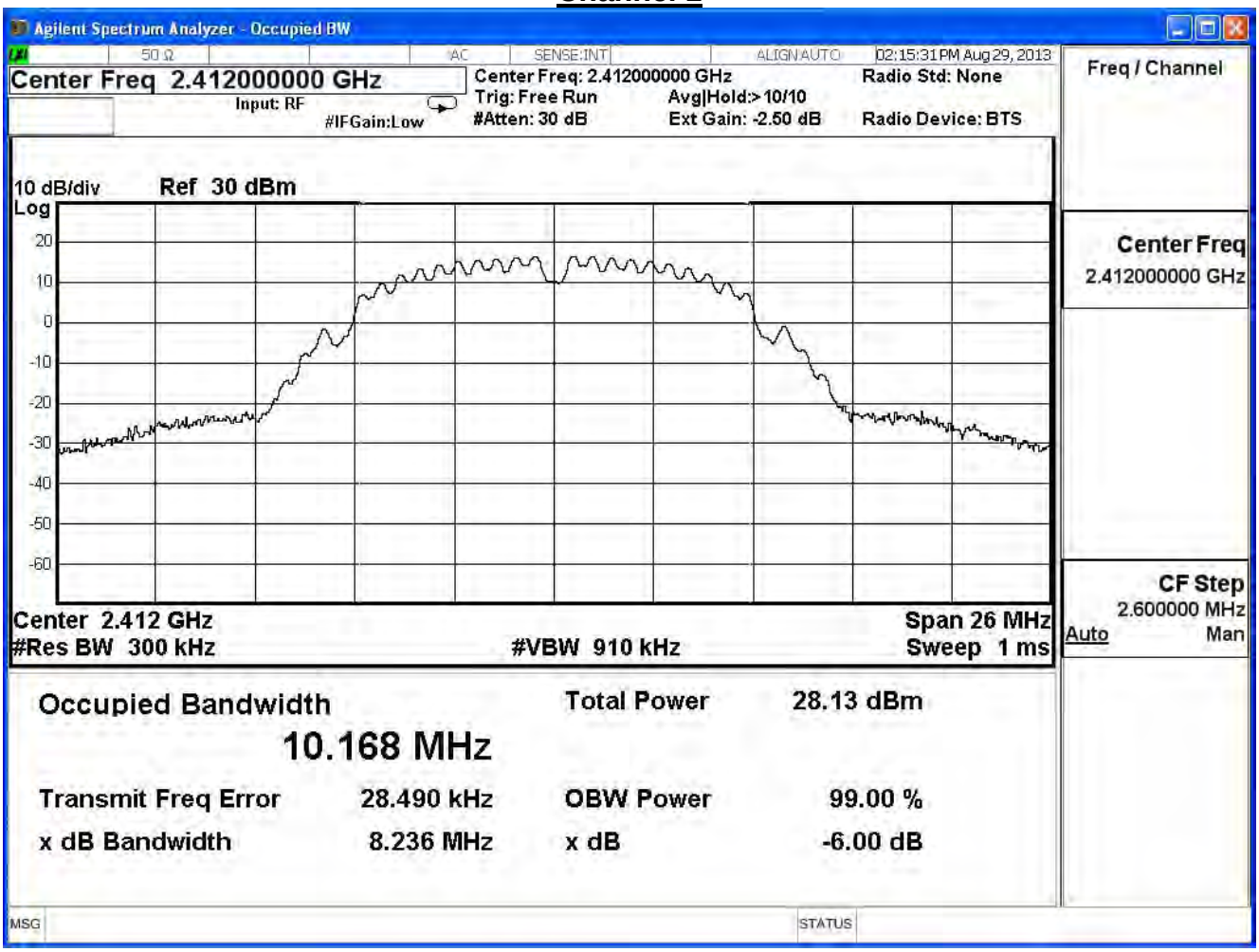
The measurement uncertainty is defined as ±150Hz

7.7. Test Result

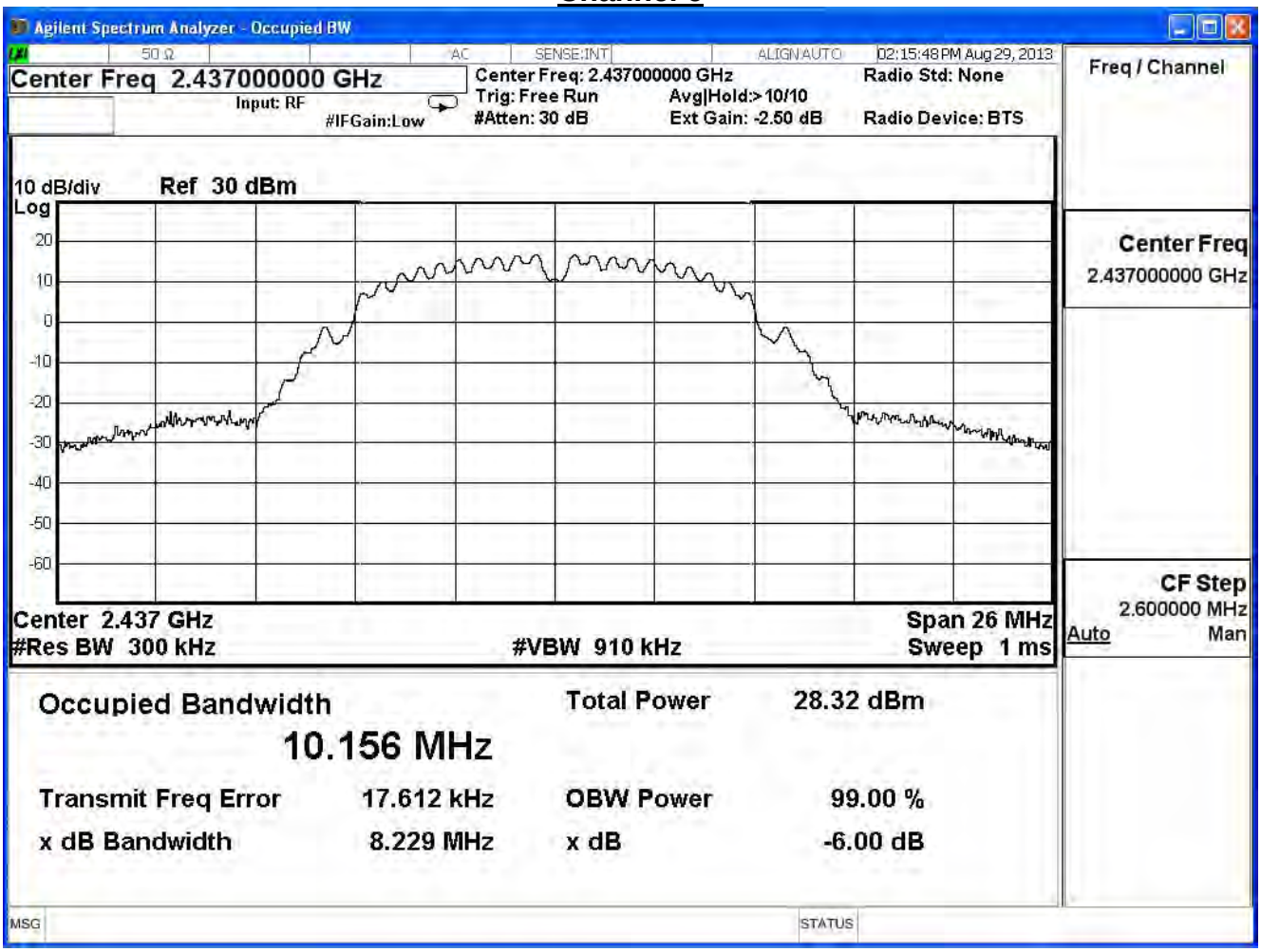
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	8.24	≧0.5	Pass
6	2437	8.23	≧0.5	Pass
11	2462	8.23	≧0.5	Pass

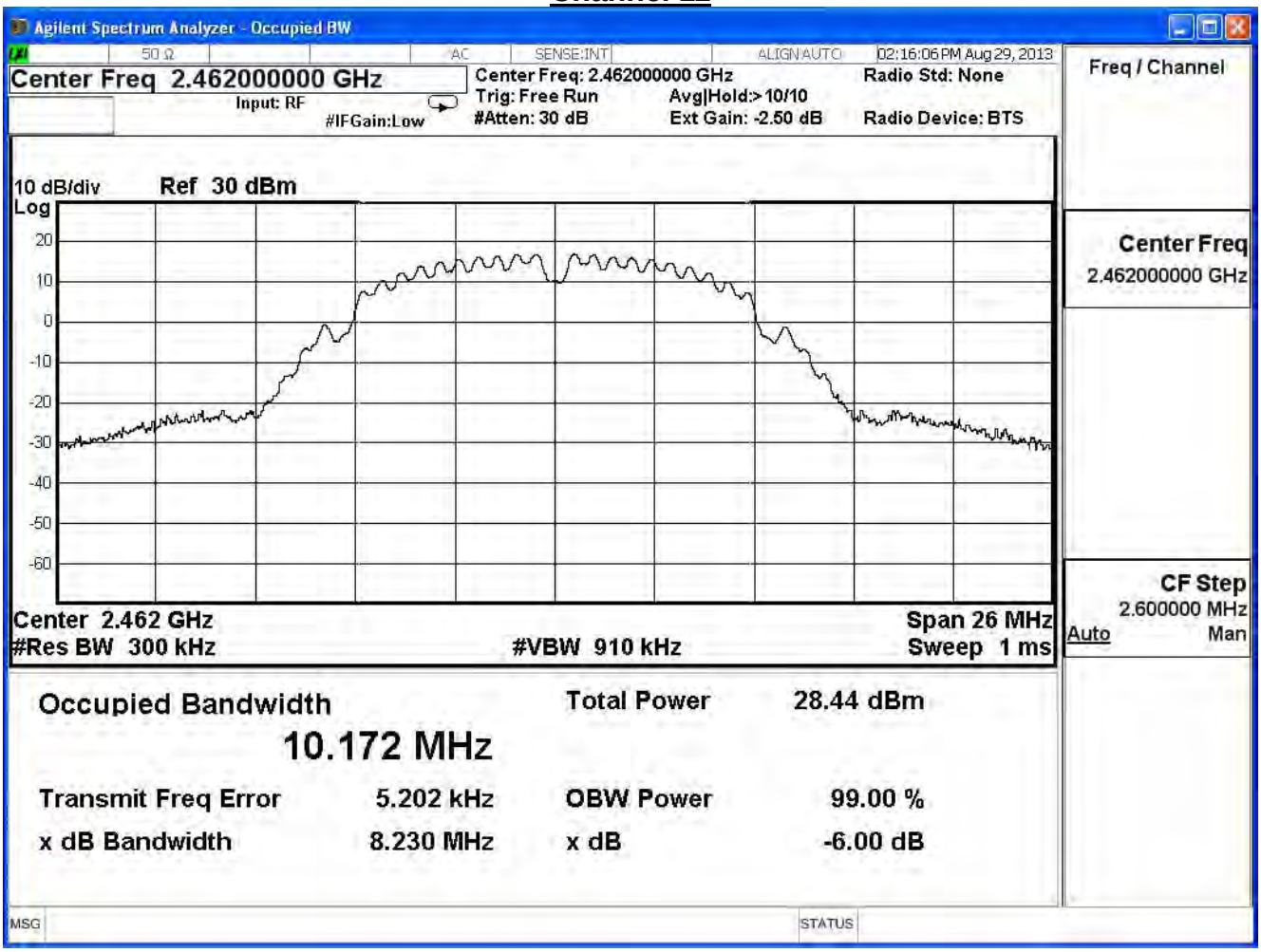
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:15:48 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
10.156 MHz
Total Power
28.32 dBm
Transmit Freq Error
17.612 kHz
OBW Power
99.00 %
x dB Bandwidth
8.229 MHz
x dB
-6.00 dB
MSG
STATUS

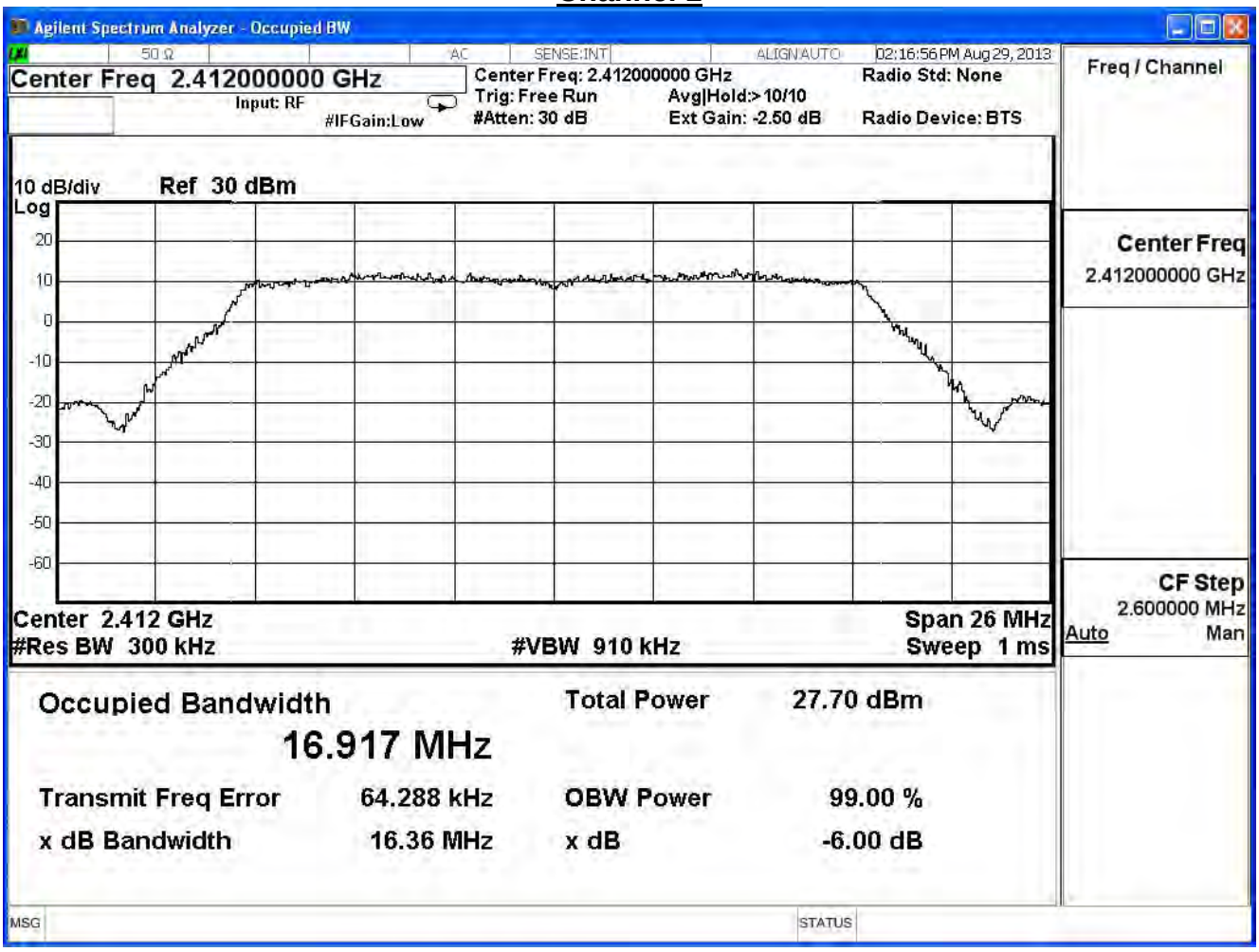
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:16:06 PM Aug 29, 2013
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>10/10
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
10.172 MHz
Total Power
28.44 dBm
Transmit Freq Error
5.202 kHz
OBW Power
99.00 %
x dB Bandwidth
8.230 MHz
x dB
-6.00 dB
MSG
STATUS

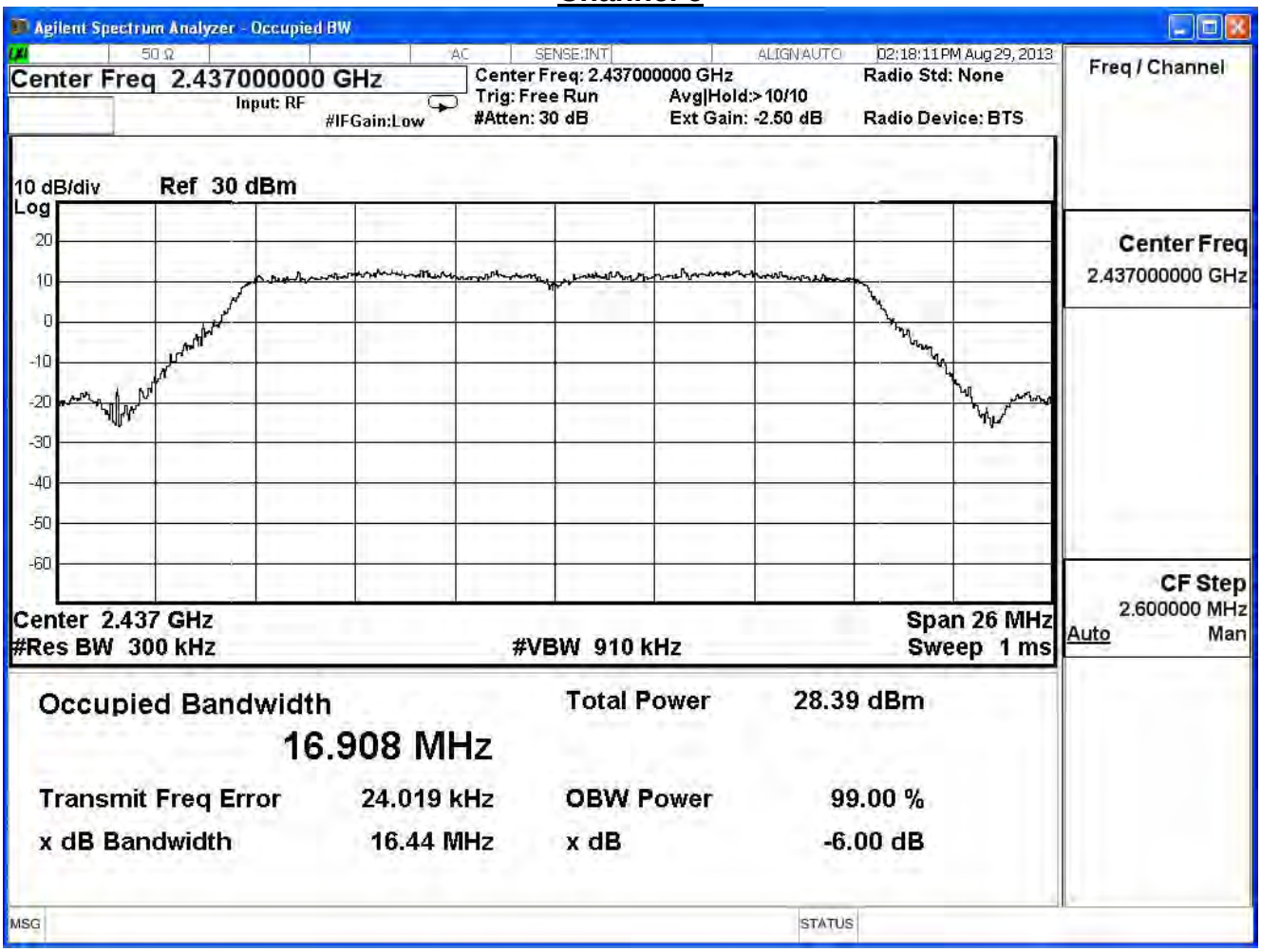
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	16.36	≧0.5	Pass
6	2437	16.44	≧0.5	Pass
11	2462	16.37	≧0.5	Pass

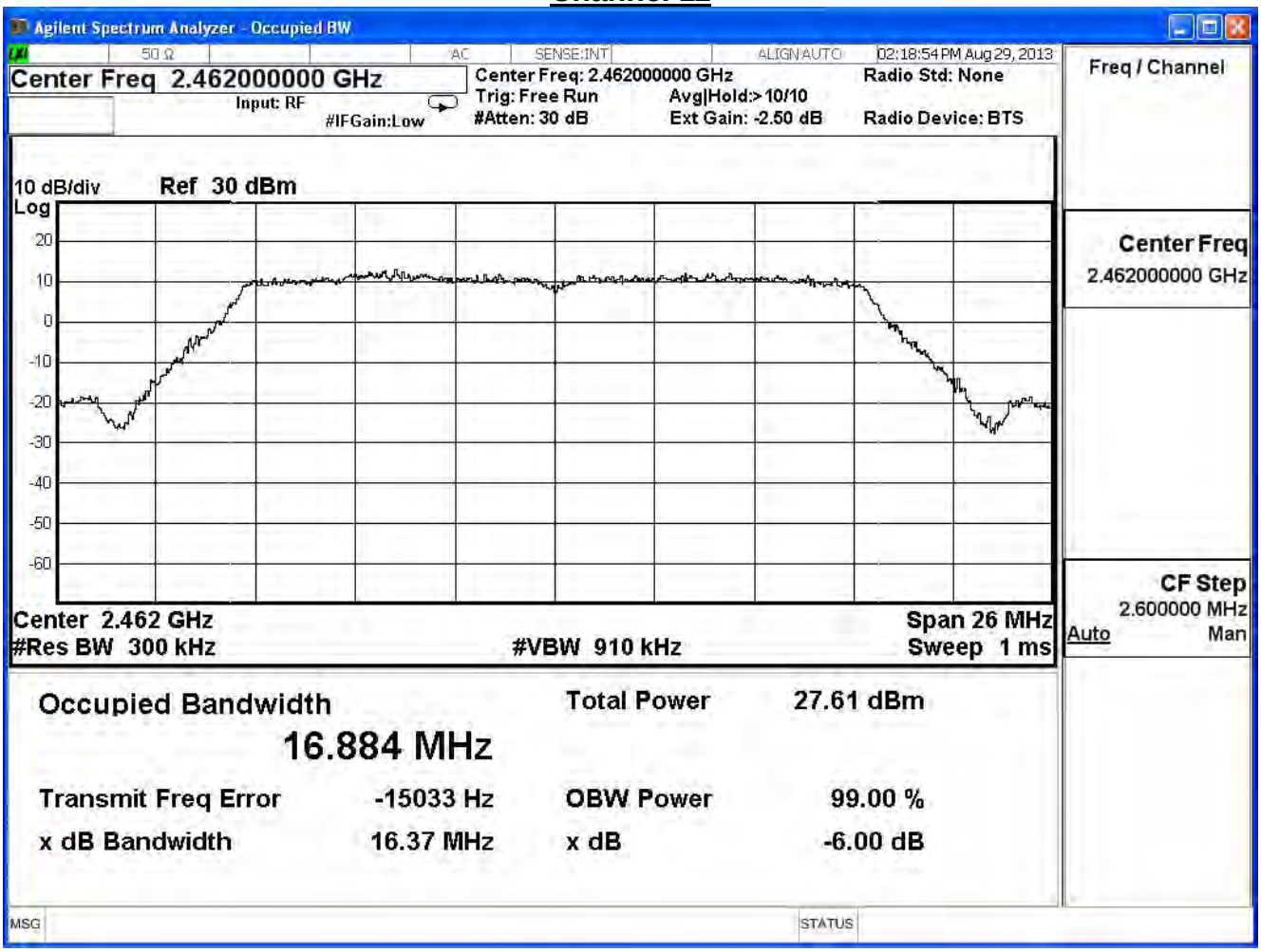
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:18:11 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
16.908 MHz
Total Power
28.39 dBm
Transmit Freq Error
24.019 kHz
OBW Power
99.00 %
x dB Bandwidth
16.44 MHz
x dB
-6.00 dB
MSG
STATUS

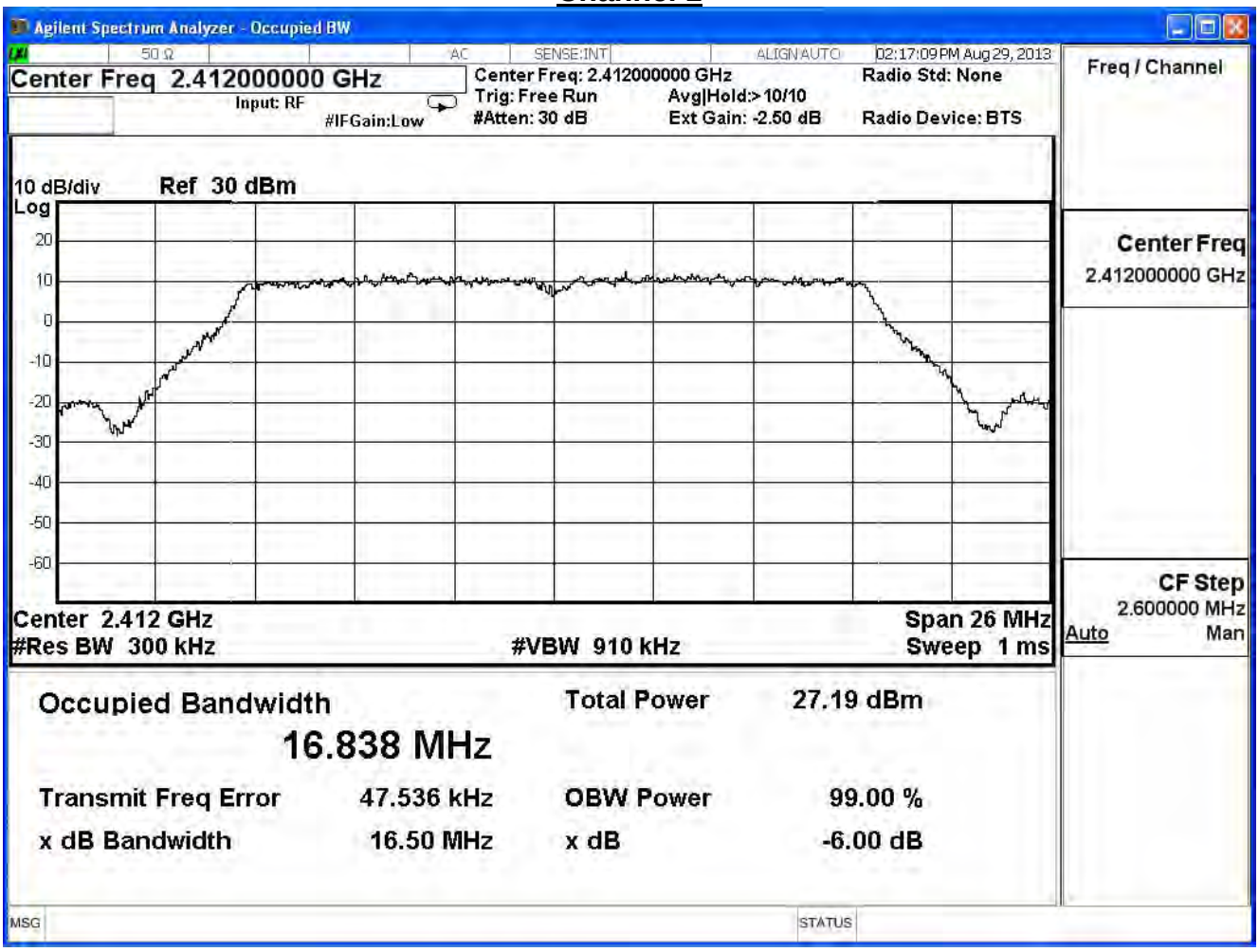
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:18:54 PM Aug 29, 2013
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
16.884 MHz
Total Power
27.61 dBm
Transmit Freq Error
-15033 Hz
OBW Power
99.00 %
x dB Bandwidth
16.37 MHz
x dB
-6.00 dB
MSG
STATUS

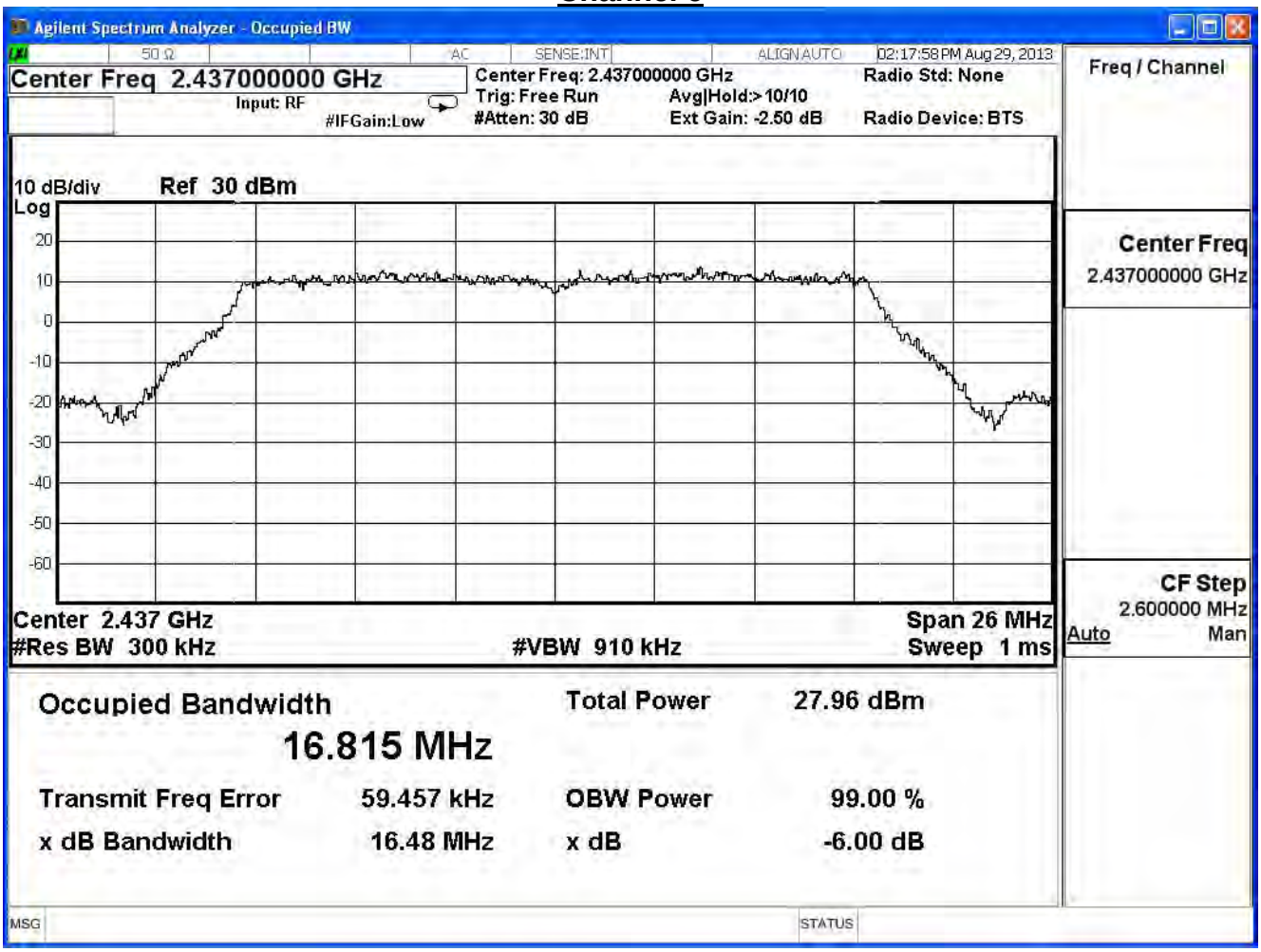
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	16.50	≧0.5	Pass
6	2437	16.48	≧0.5	Pass
11	2462	16.50	≧0.5	Pass

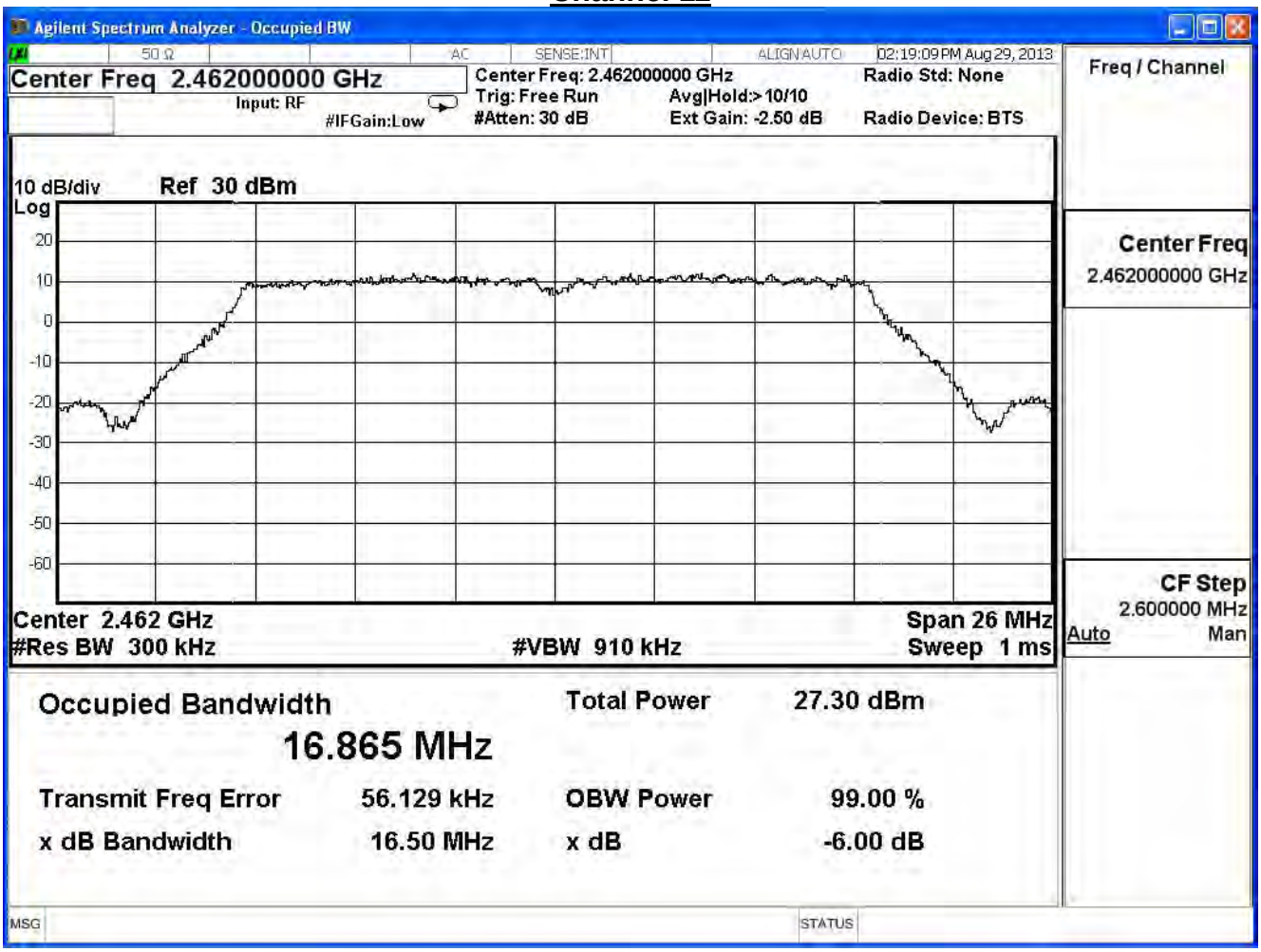
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:17:58 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
16.815 MHz
Total Power
27.96 dBm
Transmit Freq Error
59.457 kHz
OBW Power
99.00 %
x dB Bandwidth
16.48 MHz
x dB
-6.00 dB
MSG
STATUS

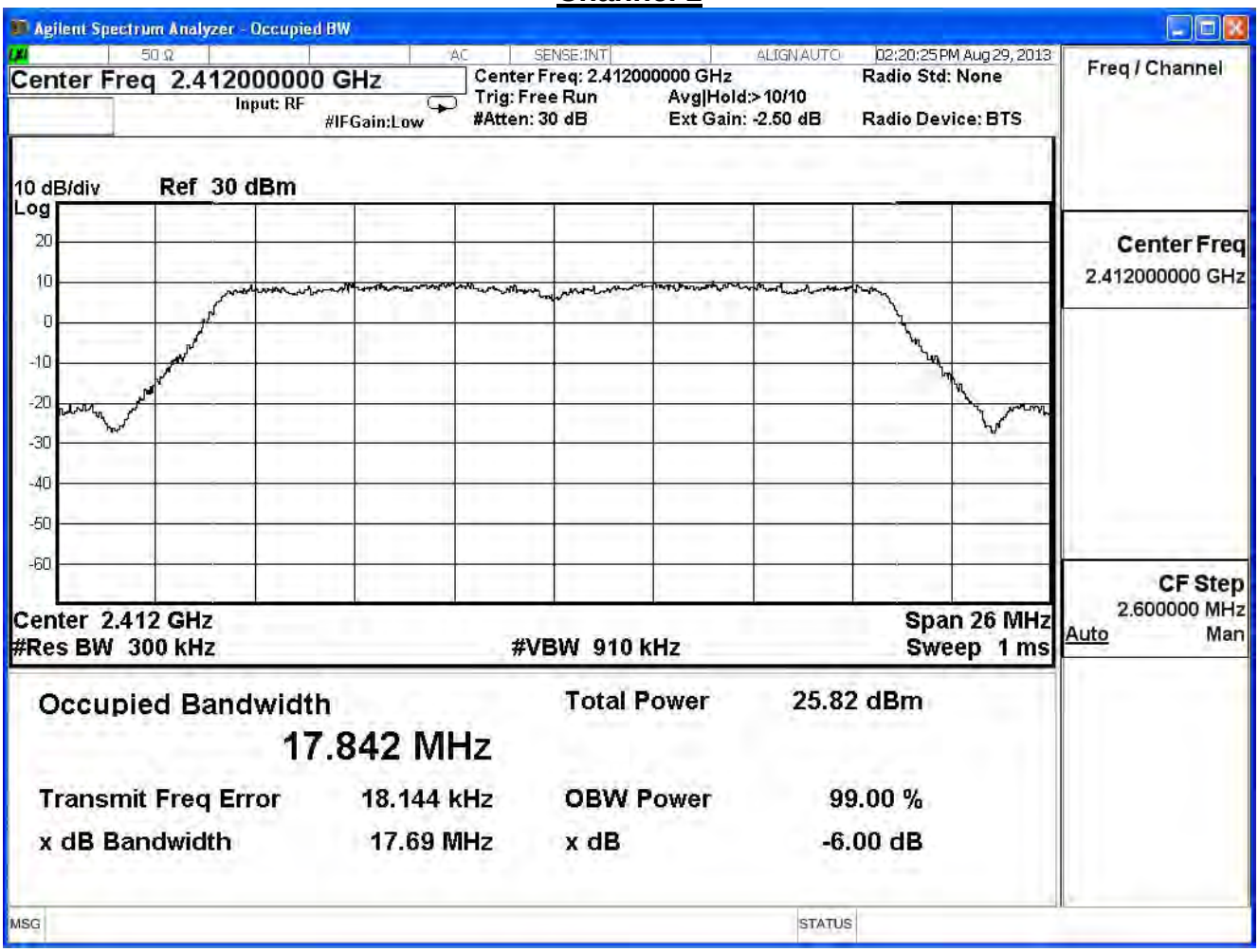
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:19:09 PM Aug 29, 2013
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
16.865 MHz
Total Power
27.30 dBm
Transmit Freq Error
56.129 kHz
OBW Power
99.00 %
x dB Bandwidth
16.50 MHz
x dB
-6.00 dB
MSG
STATUS

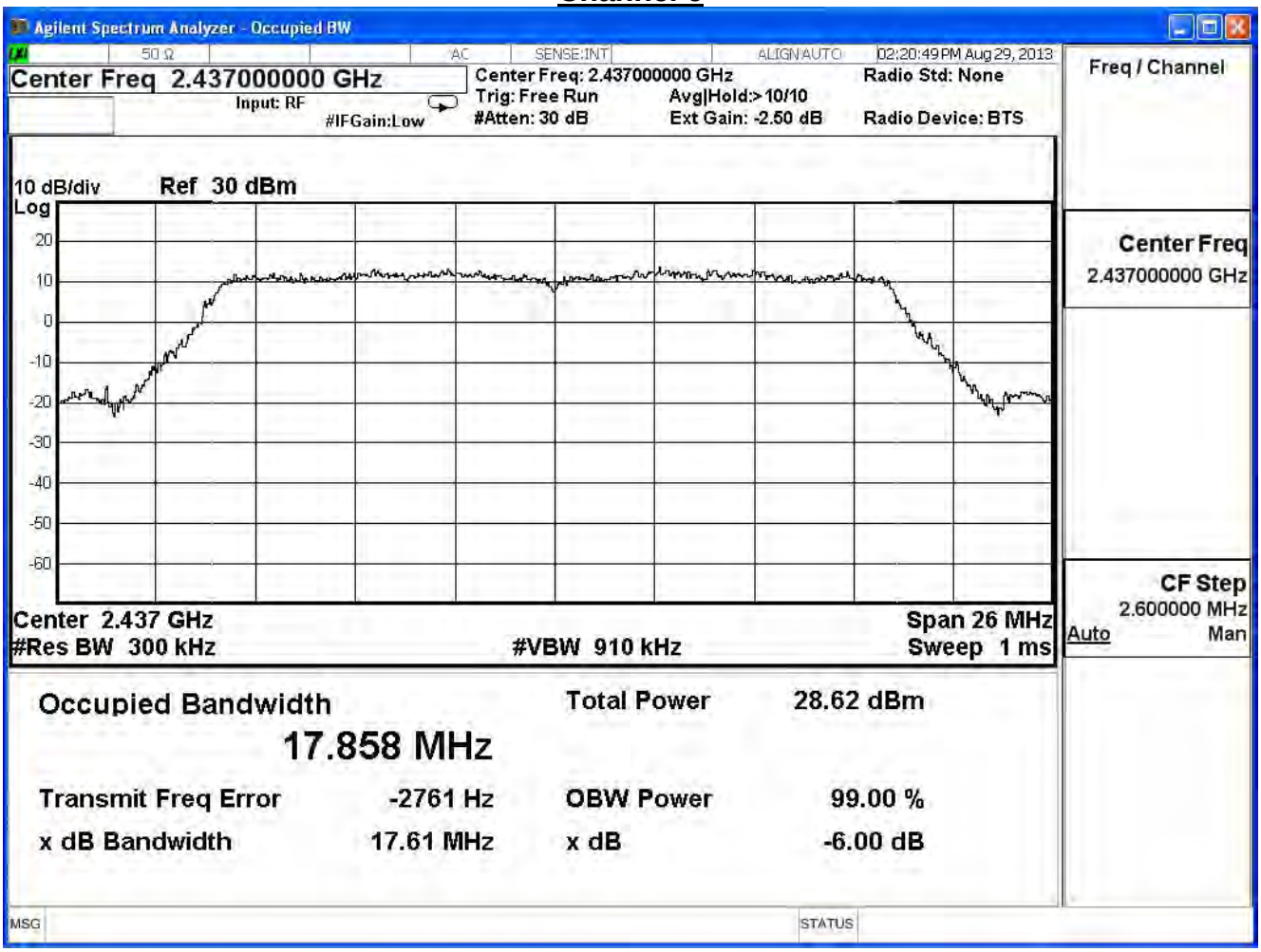
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	17.69	≧0.5	Pass
6	2437	17.61	≧0.5	Pass
11	2462	17.69	≧0.5	Pass

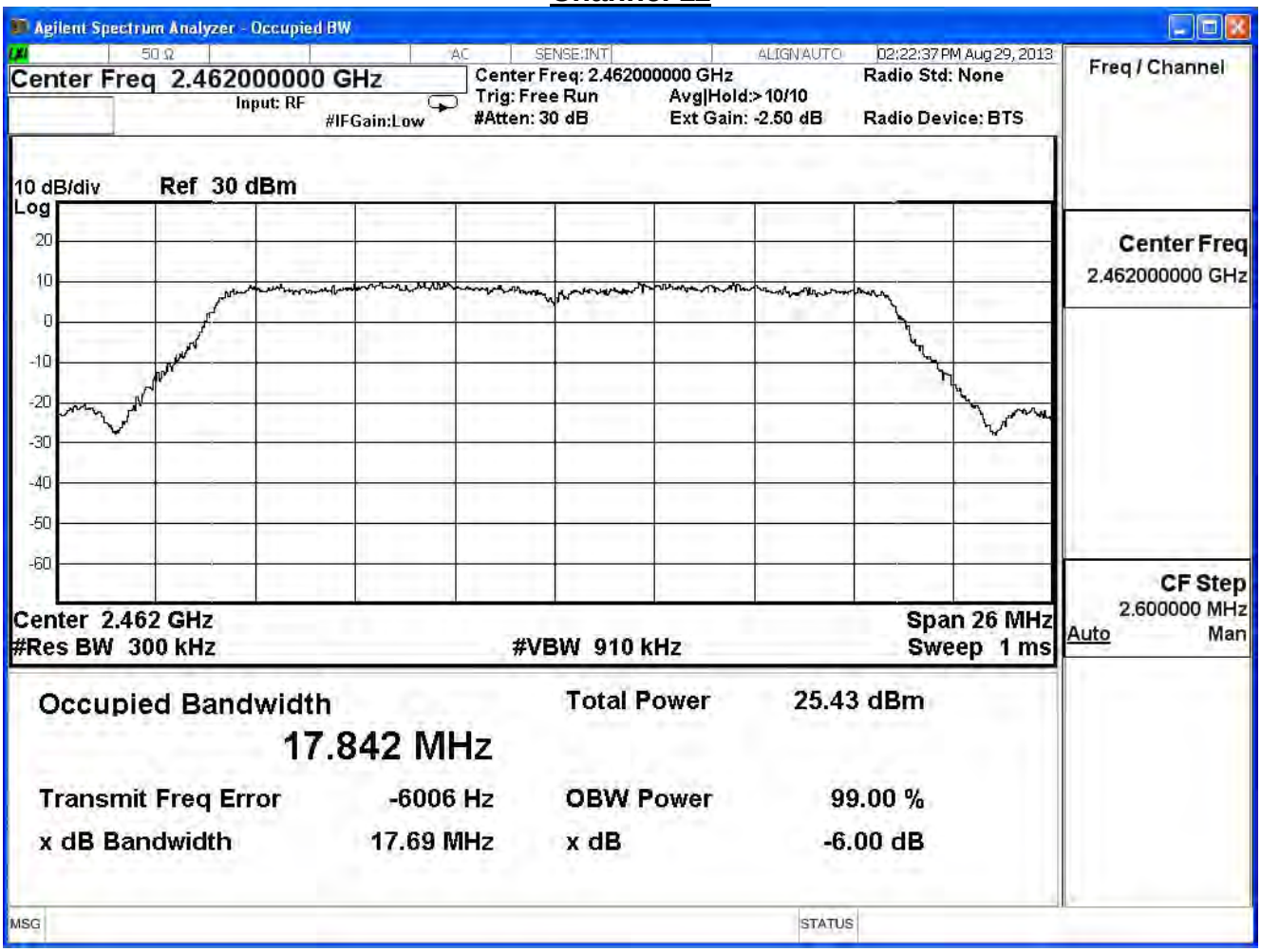
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:20:49 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
17.858 MHz
Total Power
28.62 dBm
Transmit Freq Error
-2761 Hz
OBW Power
99.00 %
x dB Bandwidth
17.61 MHz
x dB
-6.00 dB
MSG
STATUS

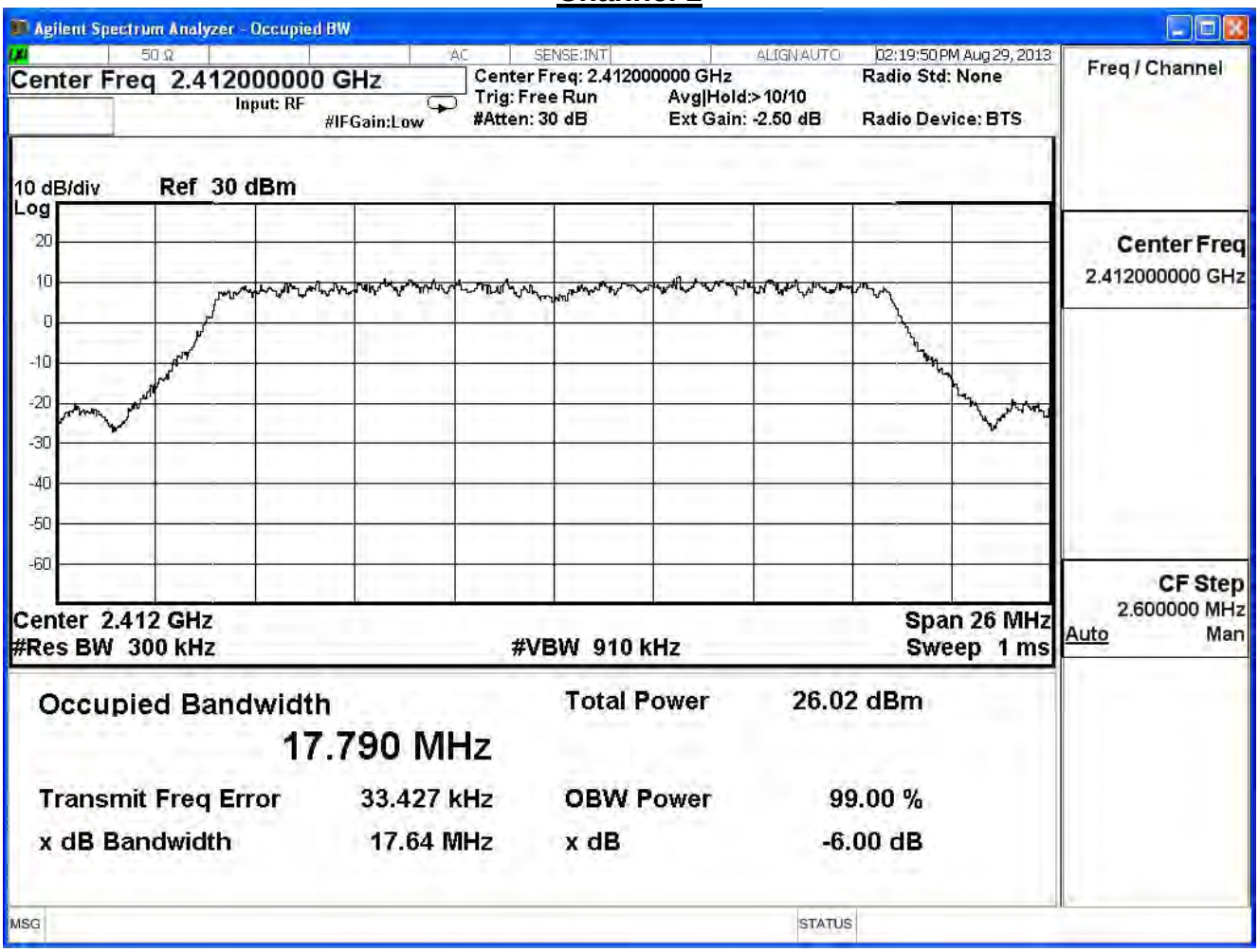
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:22:37 PM Aug 29, 2013
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>10/10
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
17.842 MHz
Total Power
25.43 dBm
Transmit Freq Error
-6006 Hz
OBW Power
99.00 %
x dB Bandwidth
17.69 MHz
x dB
-6.00 dB
MSG
STATUS

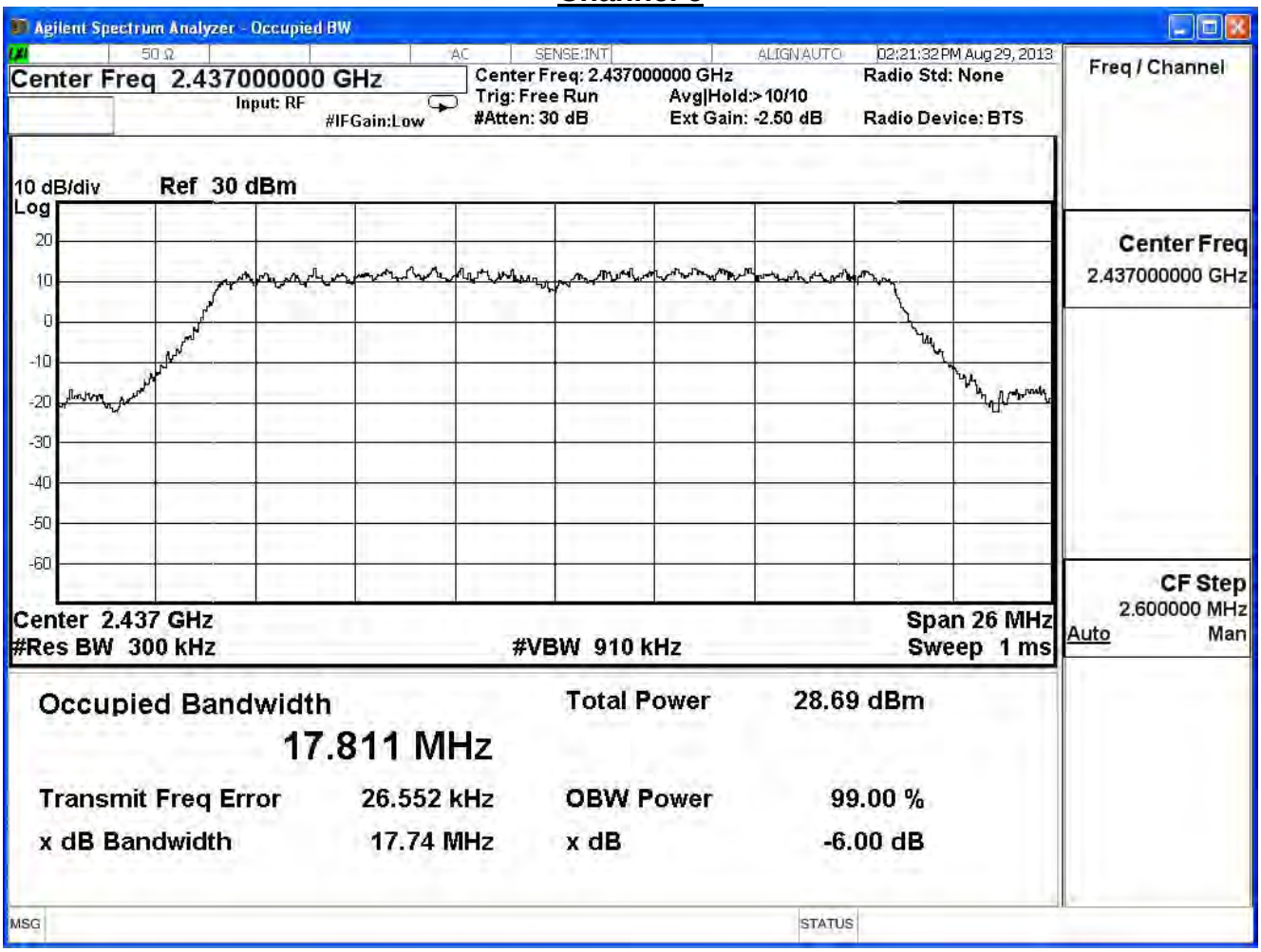
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	17.64	≧0.5	Pass
6	2437	17.74	≧0.5	Pass
11	2462	17.72	≧0.5	Pass

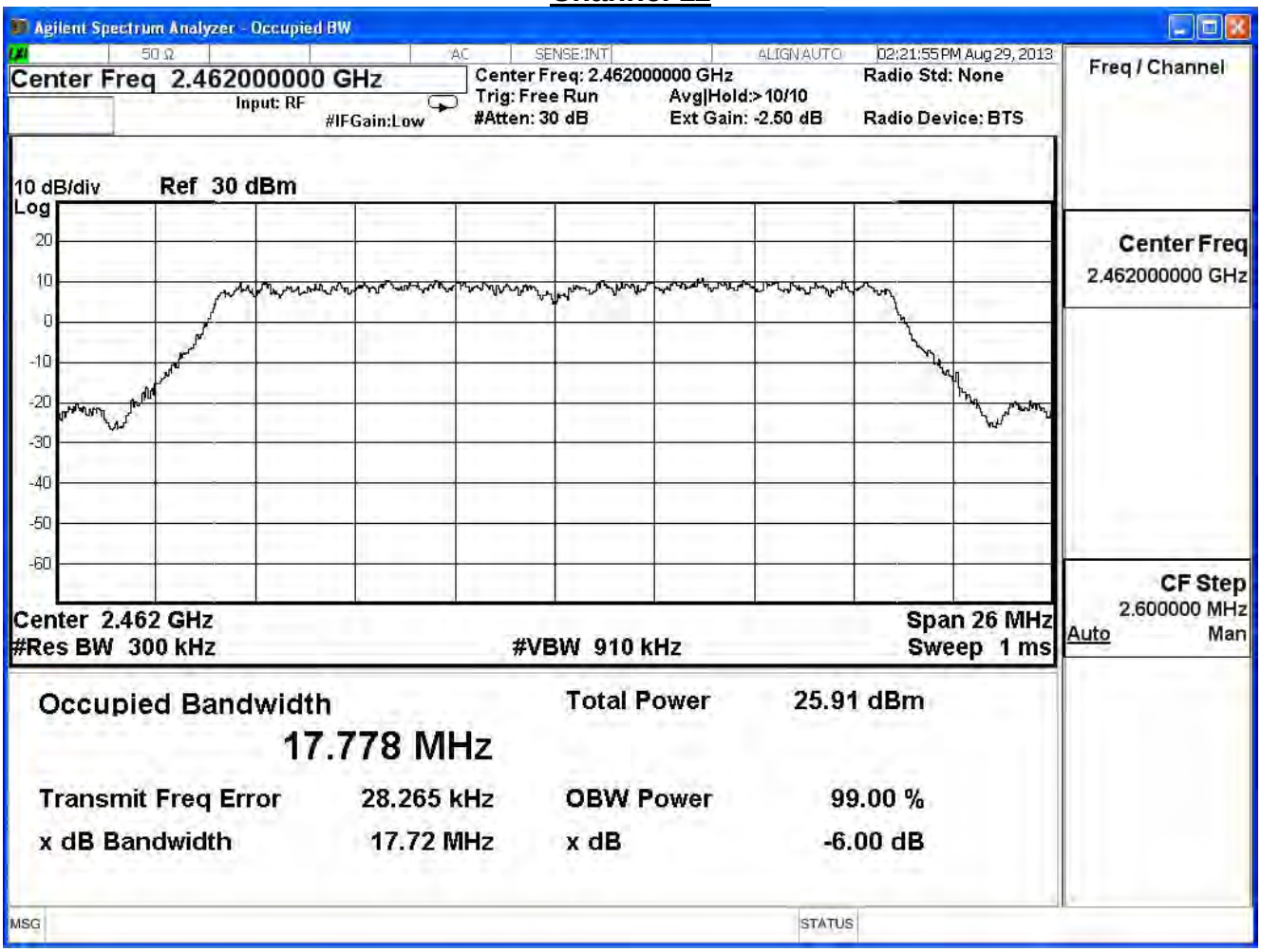
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:21:32 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>10/10
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
17.811 MHz
Total Power
28.69 dBm
Transmit Freq Error
26.552 kHz
OBW Power
99.00 %
x dB Bandwidth
17.74 MHz
x dB
-6.00 dB
MSG
STATUS

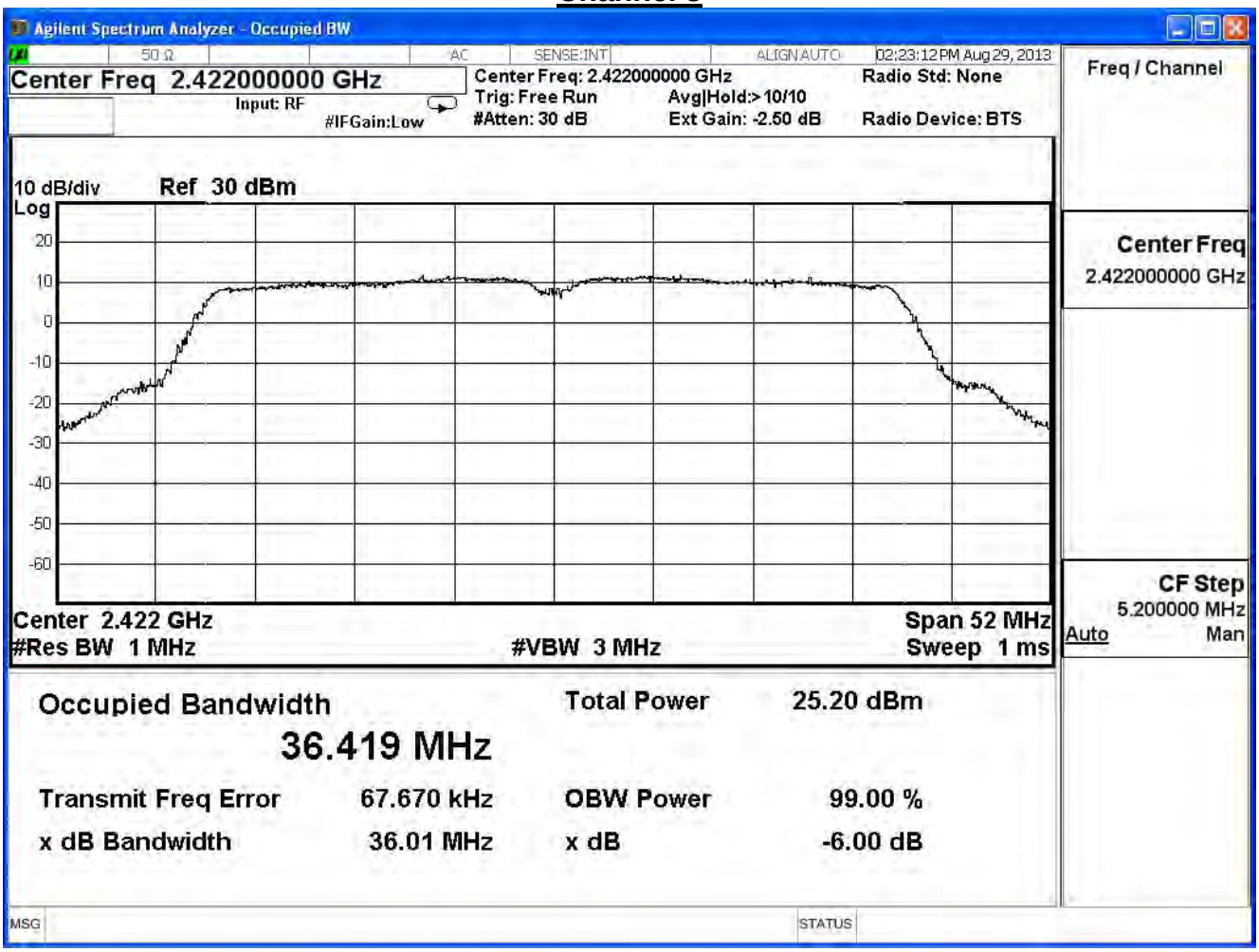
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:21:55 PM Aug 29, 2013
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
17.778 MHz
Total Power
25.91 dBm
Transmit Freq Error
28.265 kHz
OBW Power
99.00 %
x dB Bandwidth
17.72 MHz
x dB
-6.00 dB
MSG
STATUS

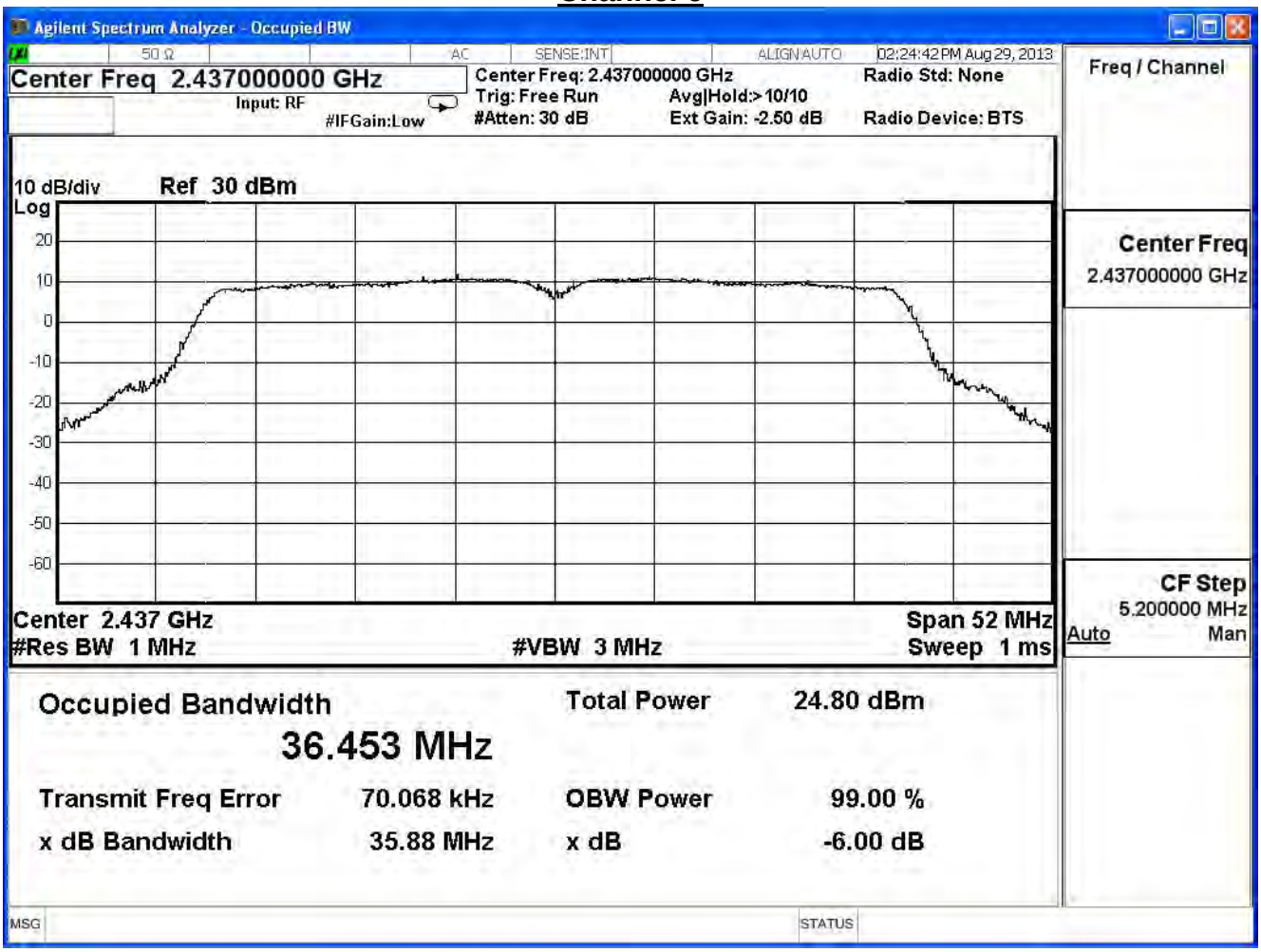
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.01	≧0.5	Pass
6	2437	35.88	≧0.5	Pass
9	2452	35.94	≧0.5	Pass

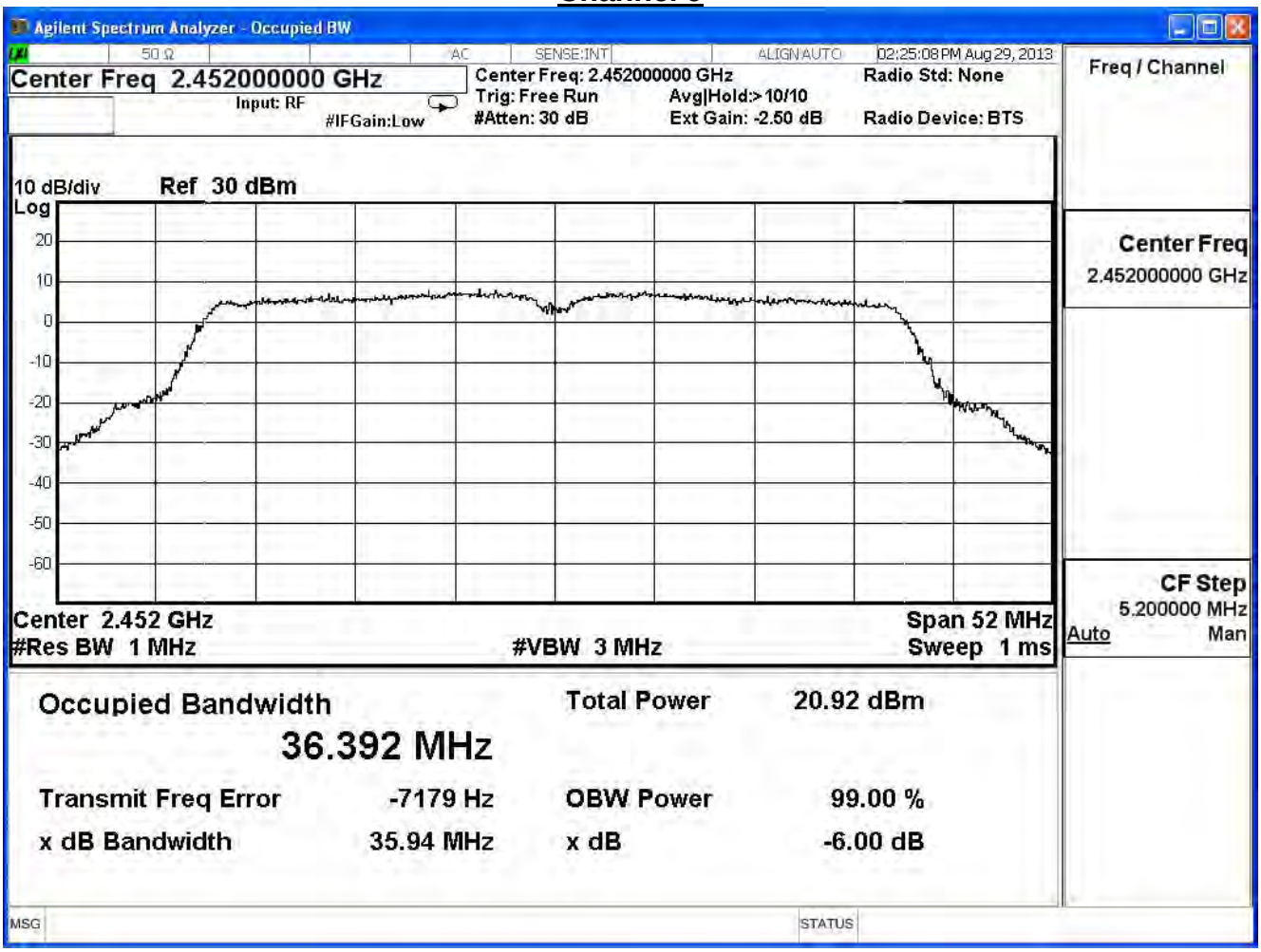
Channel 3



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:24:42 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
Sweep 1 ms
CF Step
5.200000 MHz
Auto
Man
Occupied Bandwidth
36.453 MHz
Total Power
24.80 dBm
Transmit Freq Error
70.068 kHz
OBW Power
99.00 %
x dB Bandwidth
35.88 MHz
x dB
-6.00 dB
MSG
STATUS

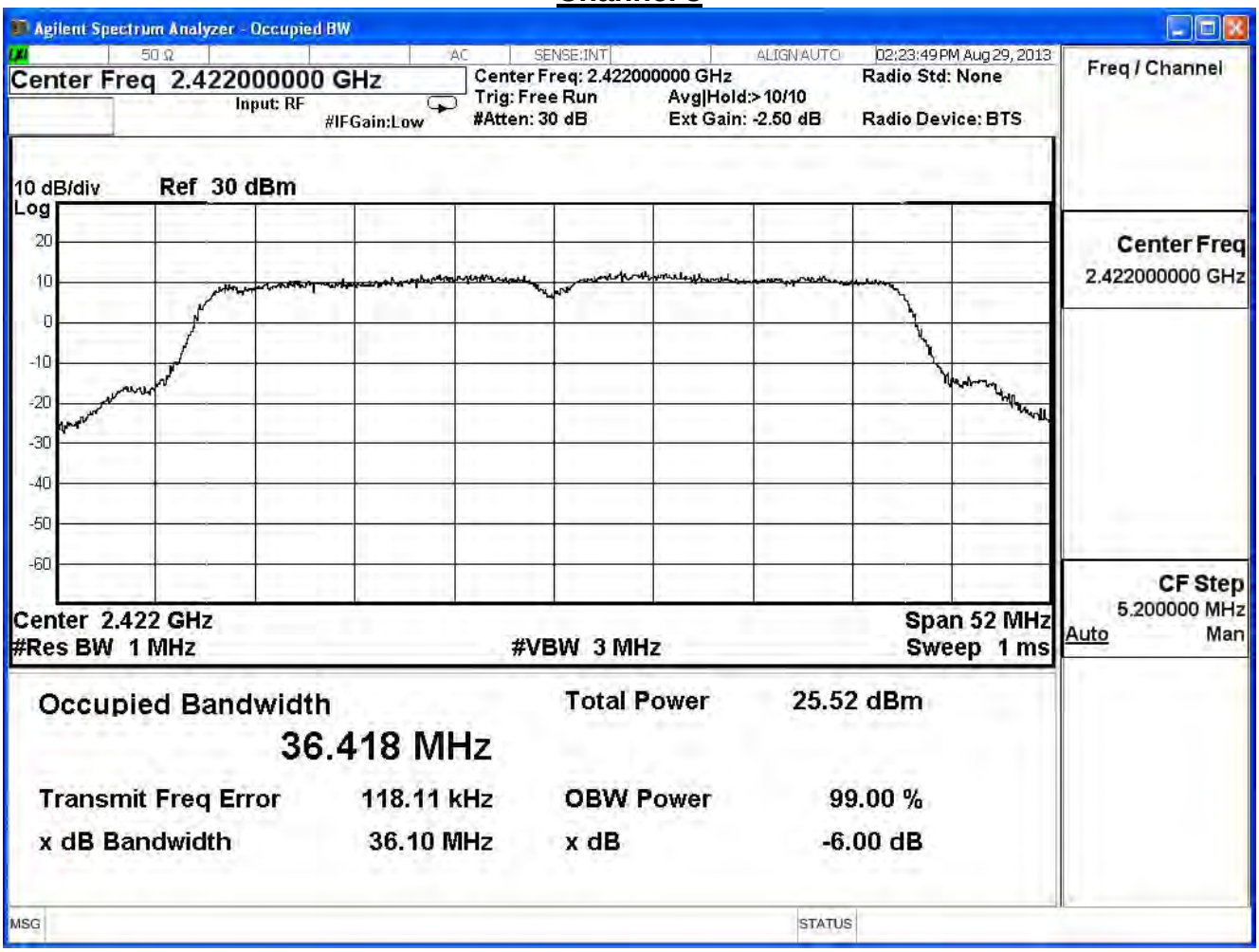
Channel 9


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:25:08 PM Aug 29, 2013
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
Sweep 1 ms
CF Step
5.200000 MHz
Auto
Man
Occupied Bandwidth
36.392 MHz
Total Power
20.92 dBm
Transmit Freq Error
-7179 Hz
OBW Power
99.00 %
x dB Bandwidth
35.94 MHz
x dB
-6.00 dB
MSG
STATUS

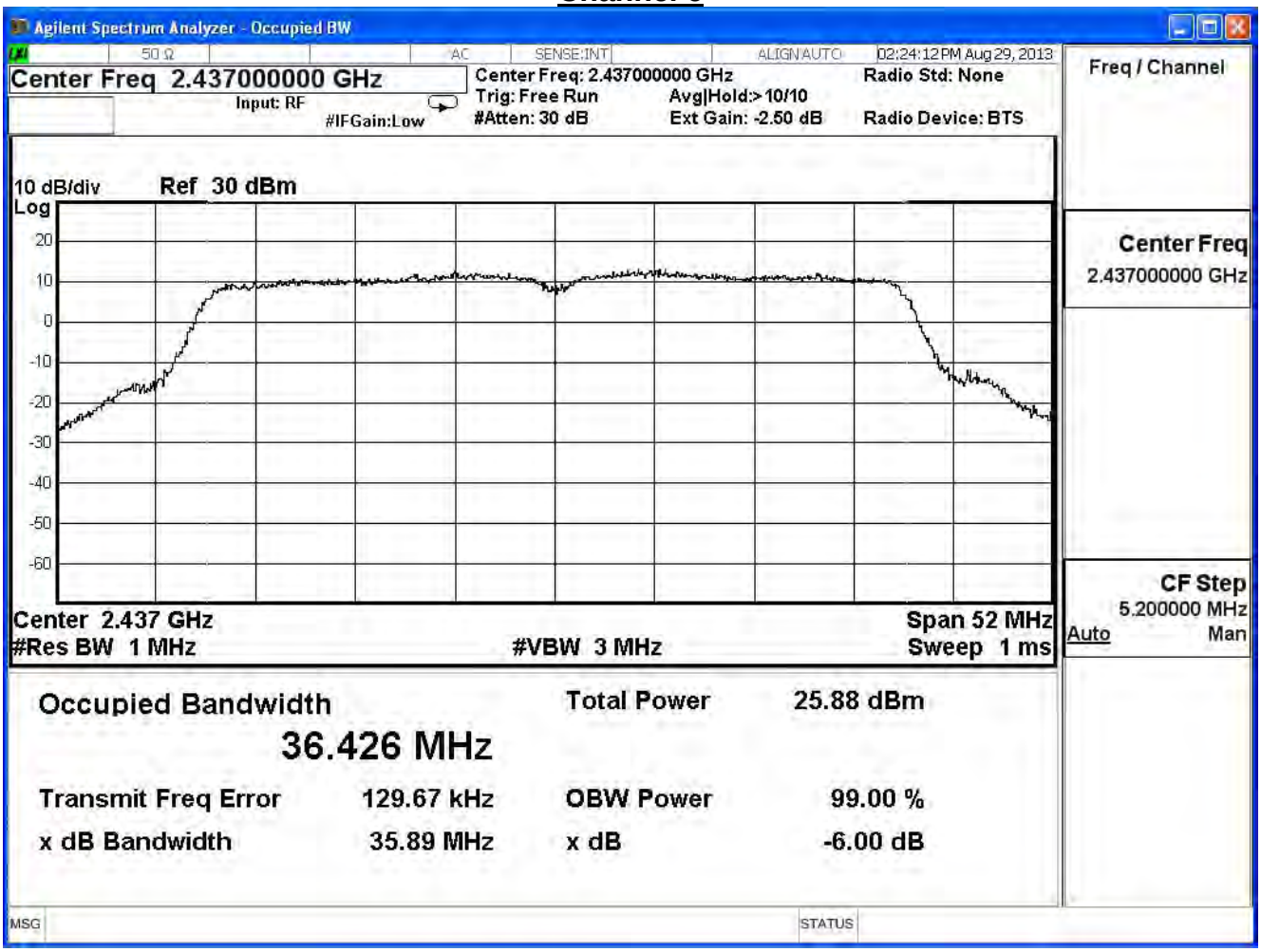
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.10	≧0.5	Pass
6	2437	35.89	≧0.5	Pass
9	2452	35.99	≧0.5	Pass

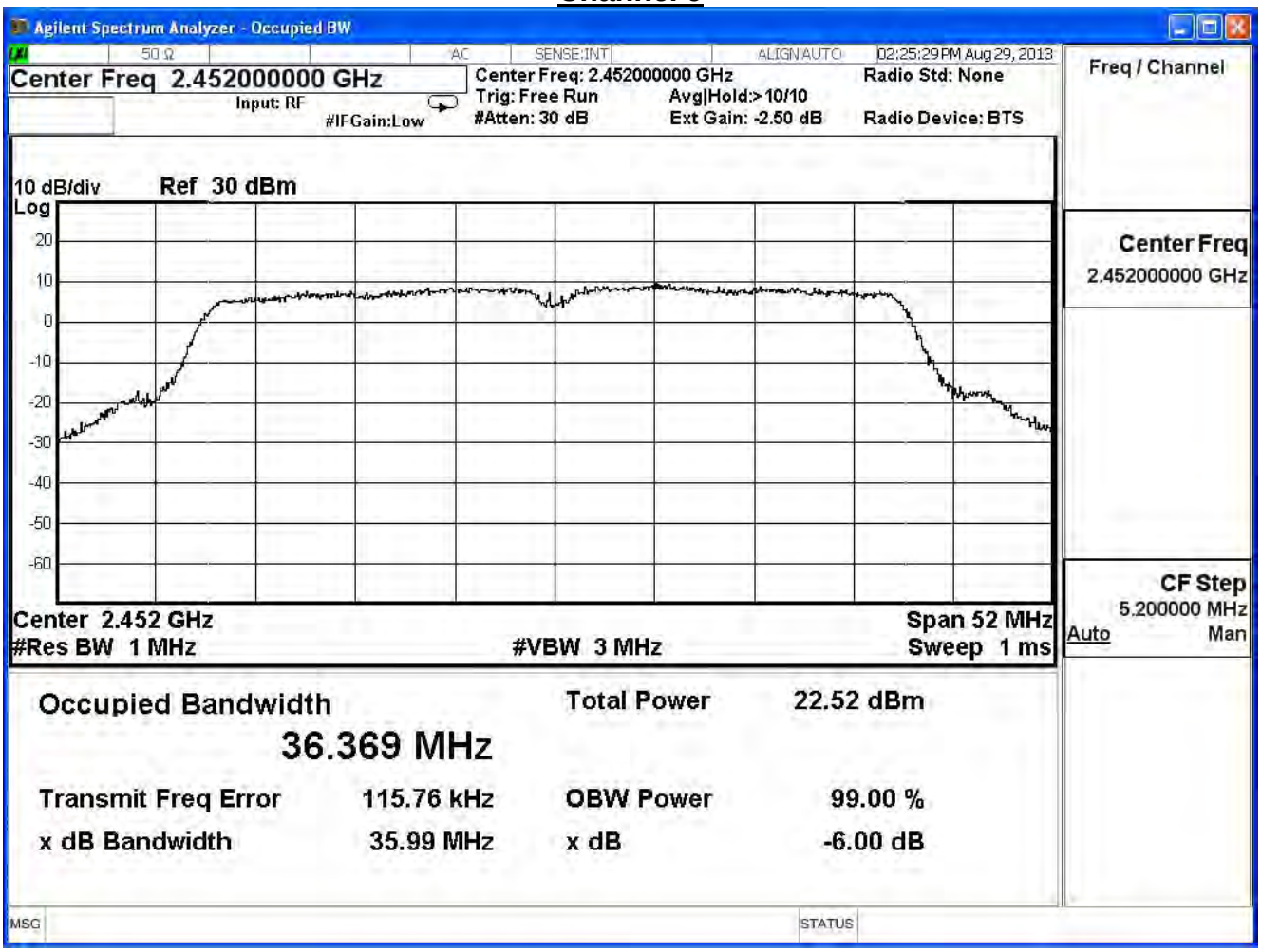
Channel 3



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:24:12 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
Sweep 1 ms
CF Step
5.200000 MHz
Auto
Man
Occupied Bandwidth
36.426 MHz
Total Power
25.88 dBm
Transmit Freq Error
129.67 kHz
OBW Power
99.00 %
x dB Bandwidth
35.89 MHz
x dB
-6.00 dB
MSG
STATUS

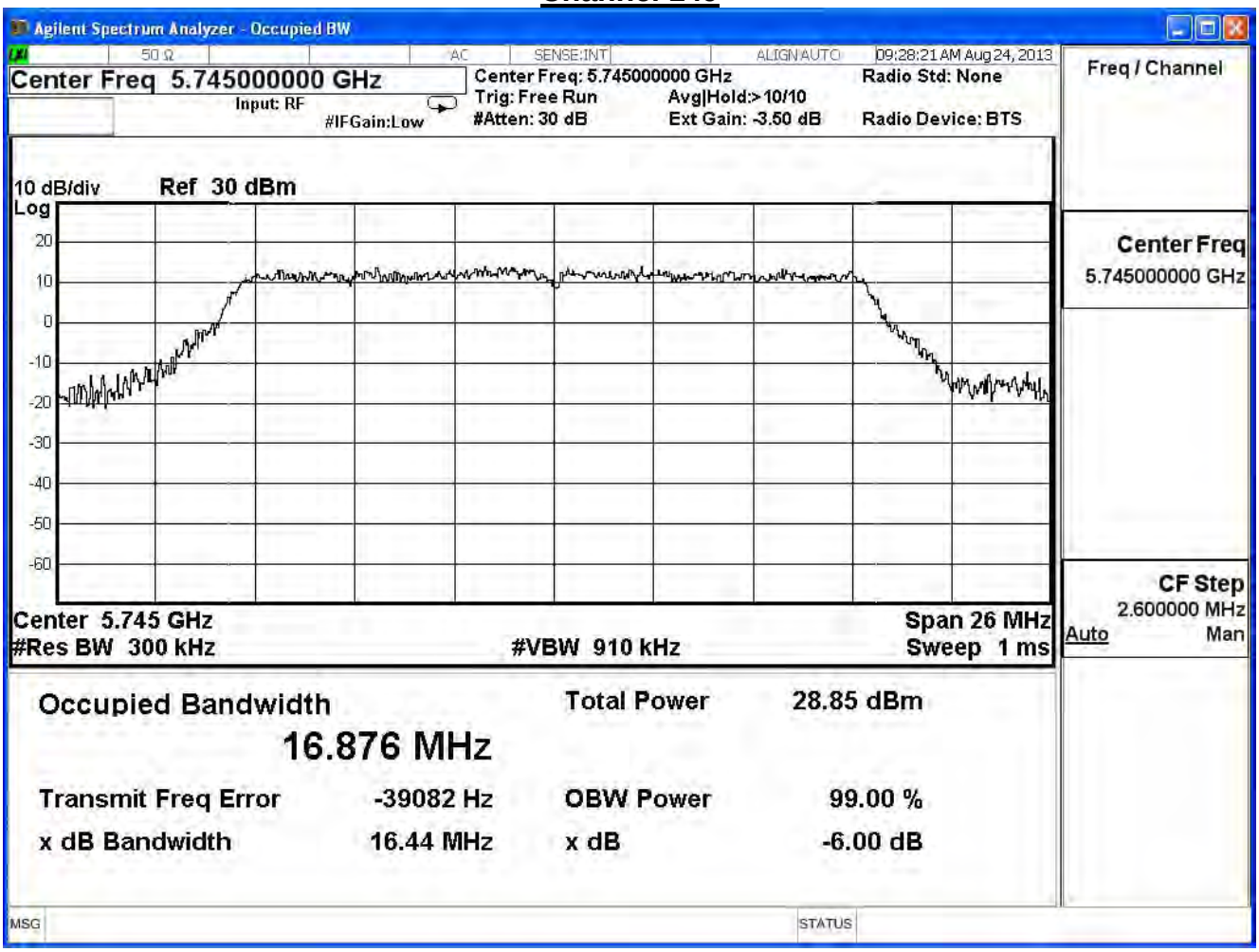
Channel 9


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:25:29 PM Aug 29, 2013
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
Sweep 1 ms
CF Step
5.200000 MHz
Auto
Man
Occupied Bandwidth
36.369 MHz
Total Power
22.52 dBm
Transmit Freq Error
115.76 kHz
OBW Power
99.00 %
x dB Bandwidth
35.99 MHz
x dB
-6.00 dB
MSG
STATUS

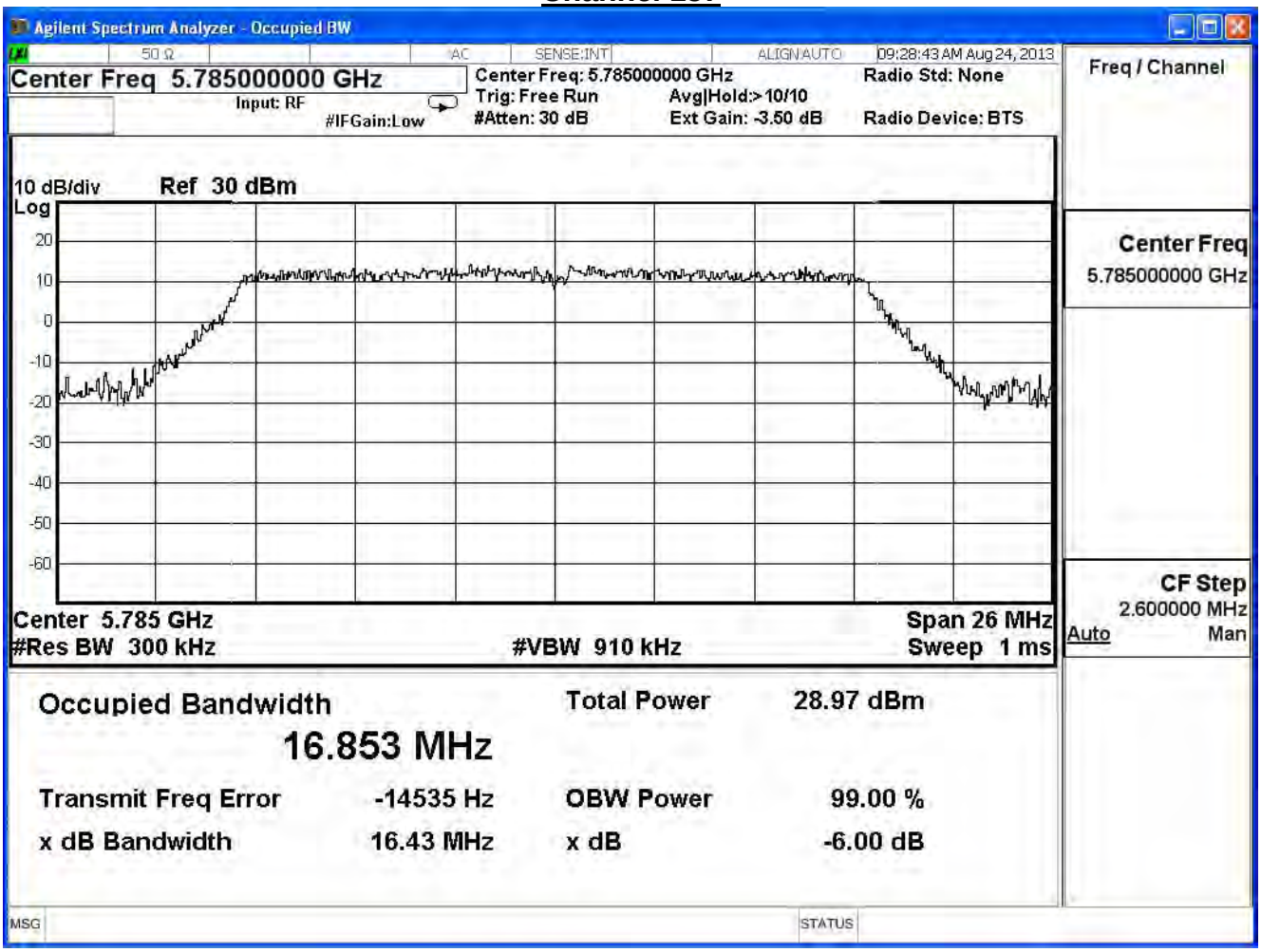
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

802.11 a (ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.44	≧0.5	Pass
157	5785	16.43	≧0.5	Pass
165	5825	16.48	≧0.5	Pass

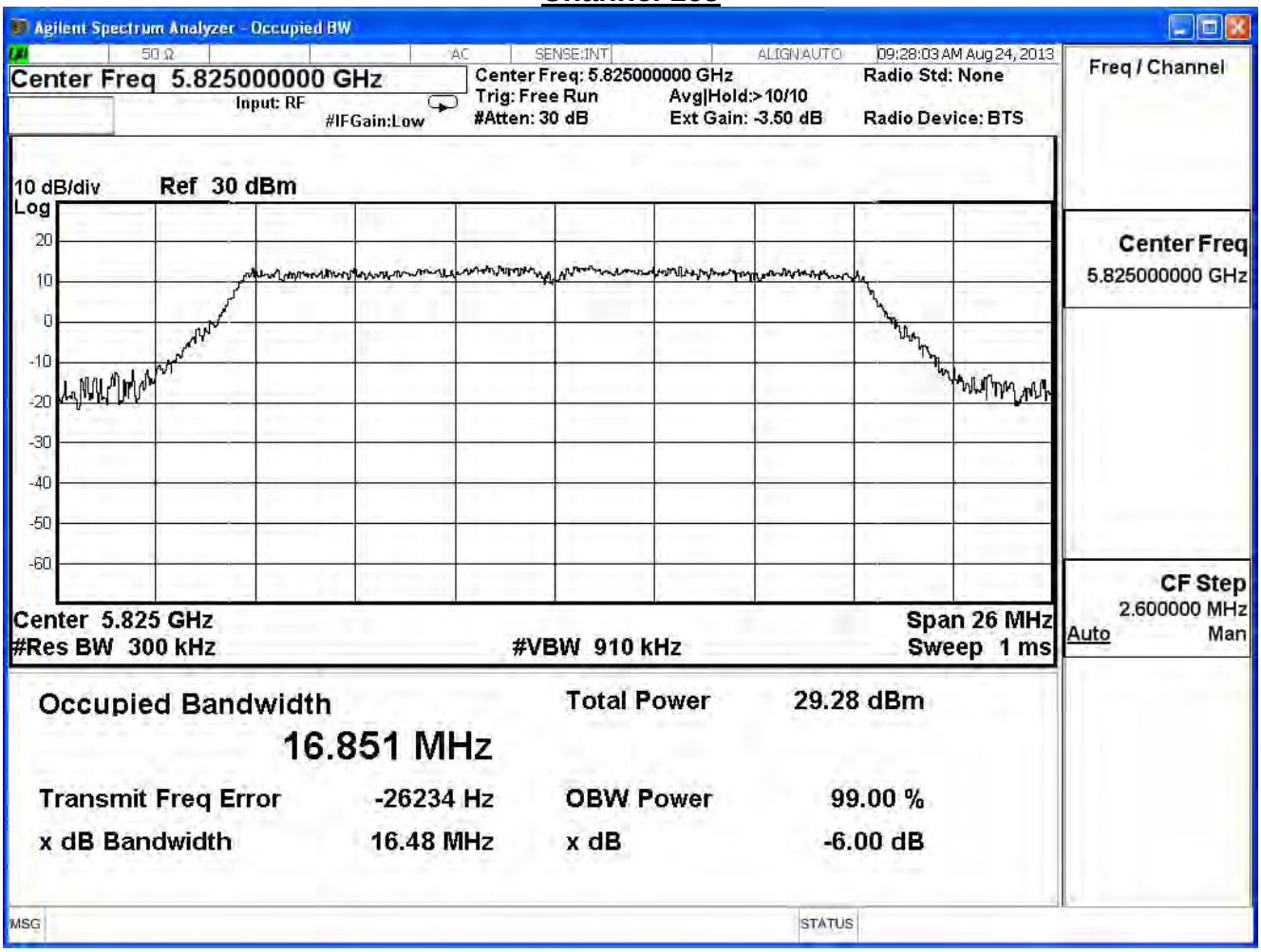
Channel 149



Channel 157


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:28:43 AM Aug 24, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>10/10
Ext Gain: -3.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
16.853 MHz
Total Power
28.97 dBm
Transmit Freq Error
-14535 Hz
OBW Power
99.00 %
x dB Bandwidth
16.43 MHz
x dB
-6.00 dB
MSG
STATUS

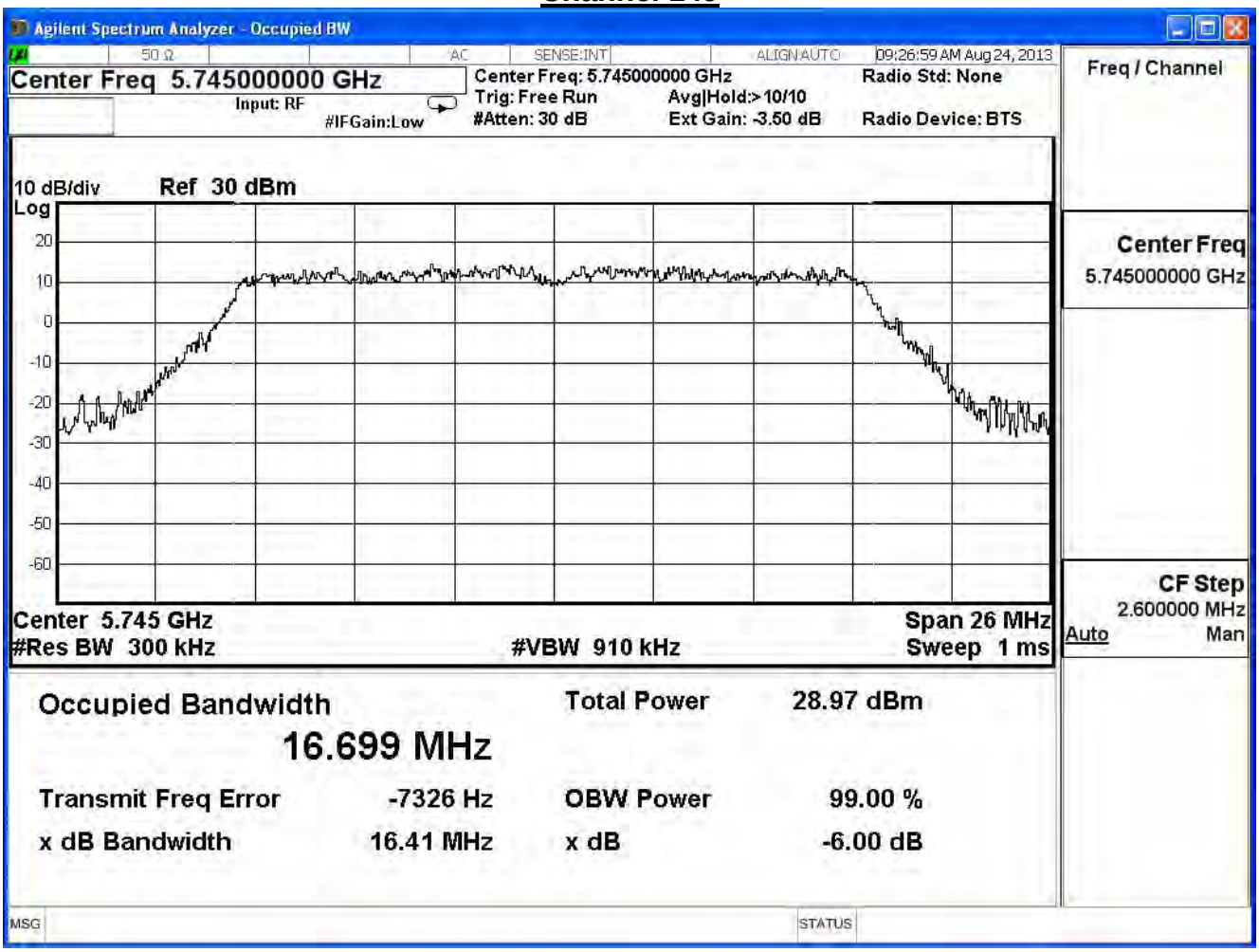
Channel 165


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:28:03 AM Aug 24, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -3.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
16.851 MHz
Total Power
29.28 dBm
Transmit Freq Error
-26234 Hz
OBW Power
99.00 %
x dB Bandwidth
16.48 MHz
x dB
-6.00 dB
MSG
STATUS

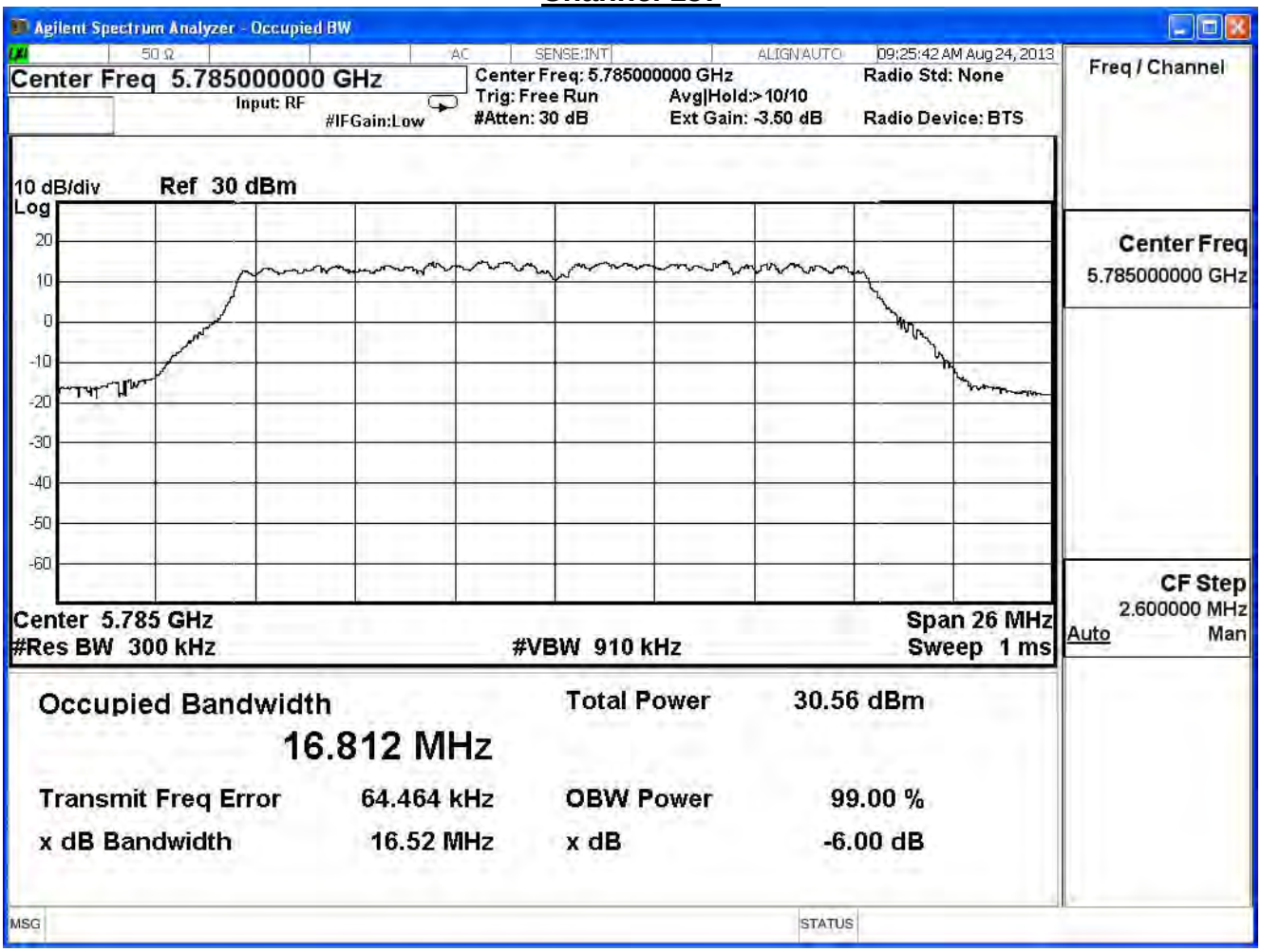
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

802.11 a (ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.41	≧0.5	Pass
157	5785	16.52	≧0.5	Pass
165	5825	16.47	≧0.5	Pass

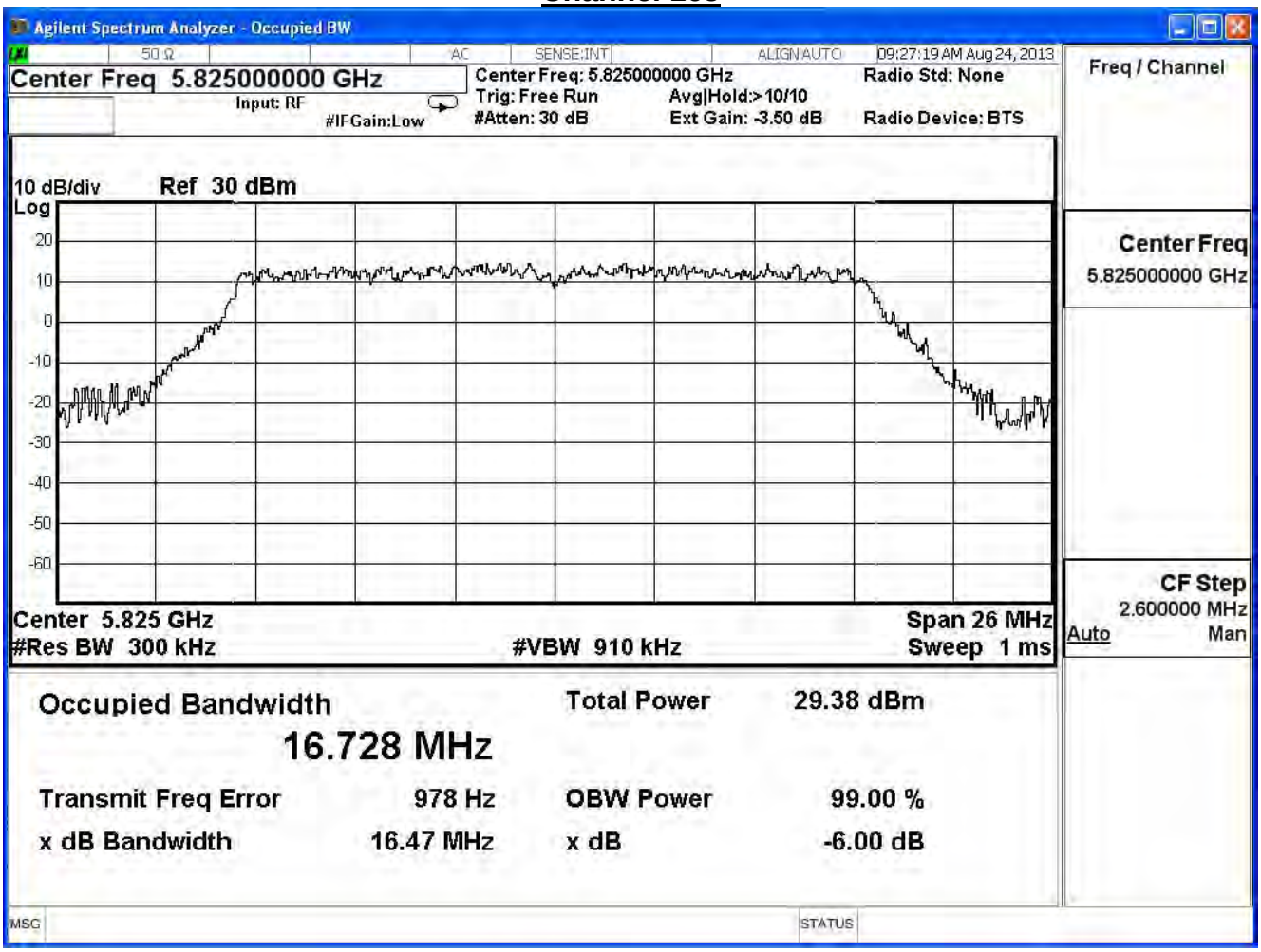
Channel 149



Channel 157


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:25:42 AM Aug 24, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -3.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
16.812 MHz
Total Power
30.56 dBm
Transmit Freq Error
64.464 kHz
OBW Power
99.00 %
x dB Bandwidth
16.52 MHz
x dB
-6.00 dB
MSG
STATUS

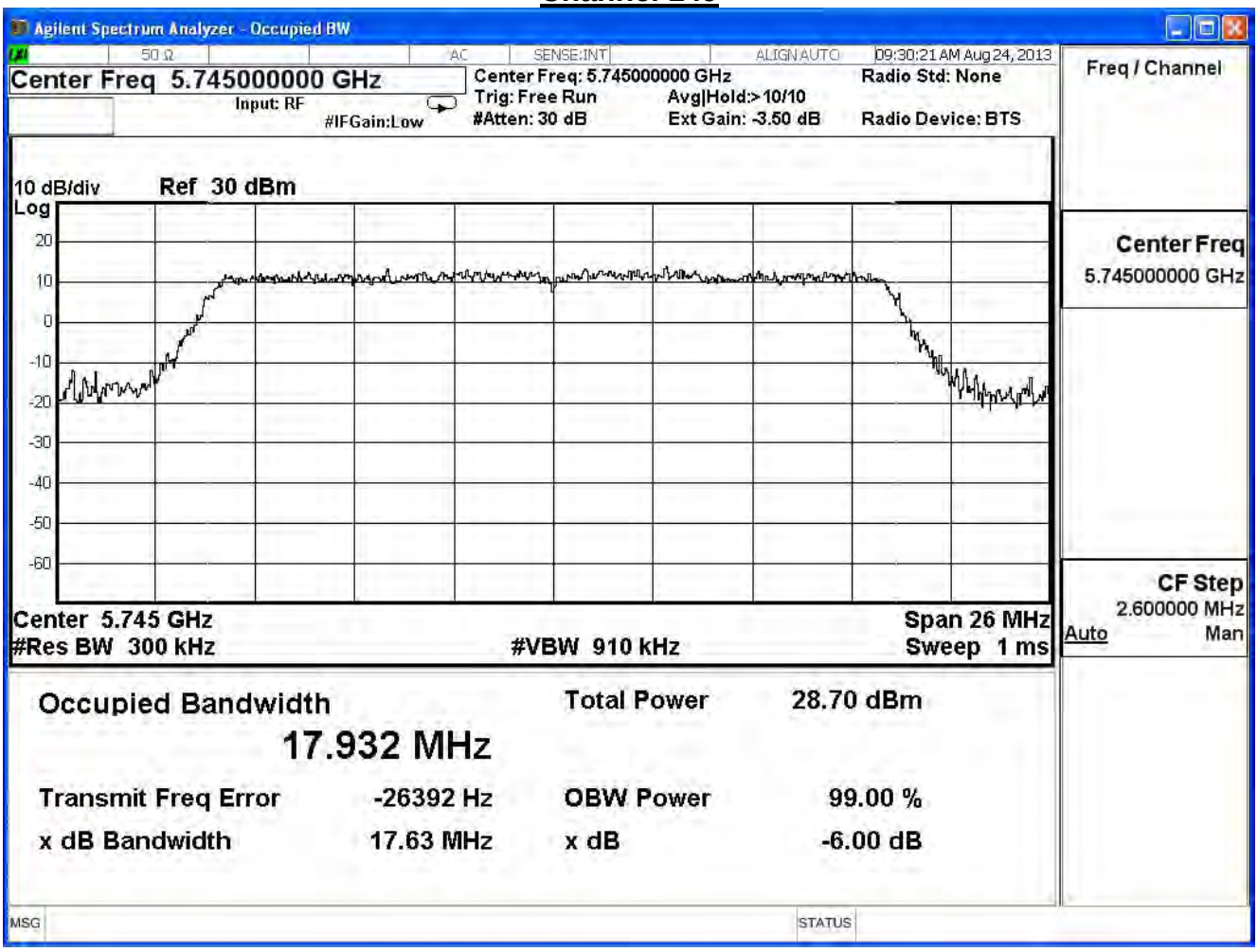
Channel 165


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:27:19 AM Aug 24, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -3.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
16.728 MHz
Total Power
29.38 dBm
Transmit Freq Error
978 Hz
OBW Power
99.00 %
x dB Bandwidth
16.47 MHz
x dB
-6.00 dB
MSG
STATUS

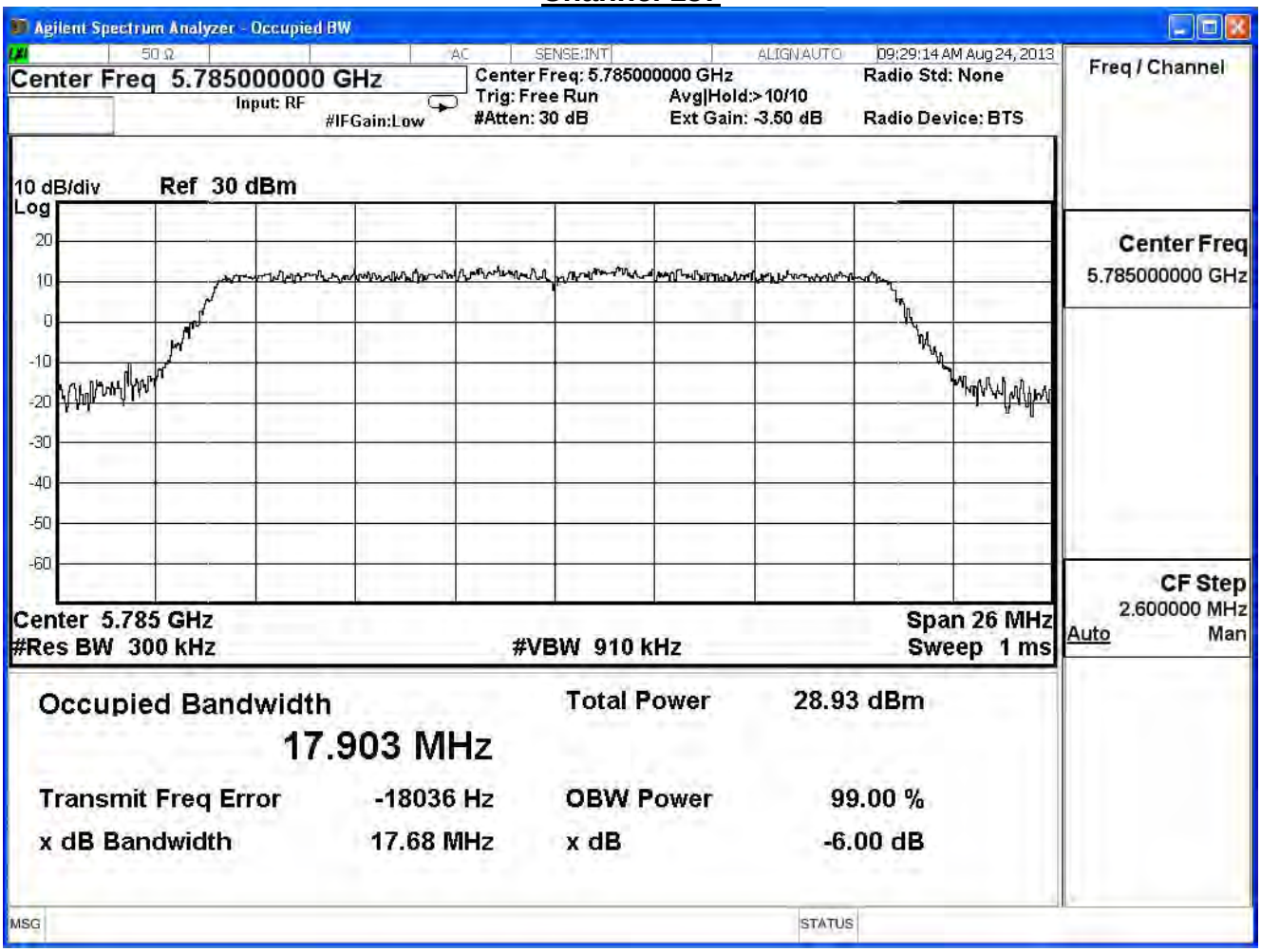
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.63	≧0.5	Pass
157	5785	17.68	≧0.5	Pass
165	5825	17.64	≧0.5	Pass

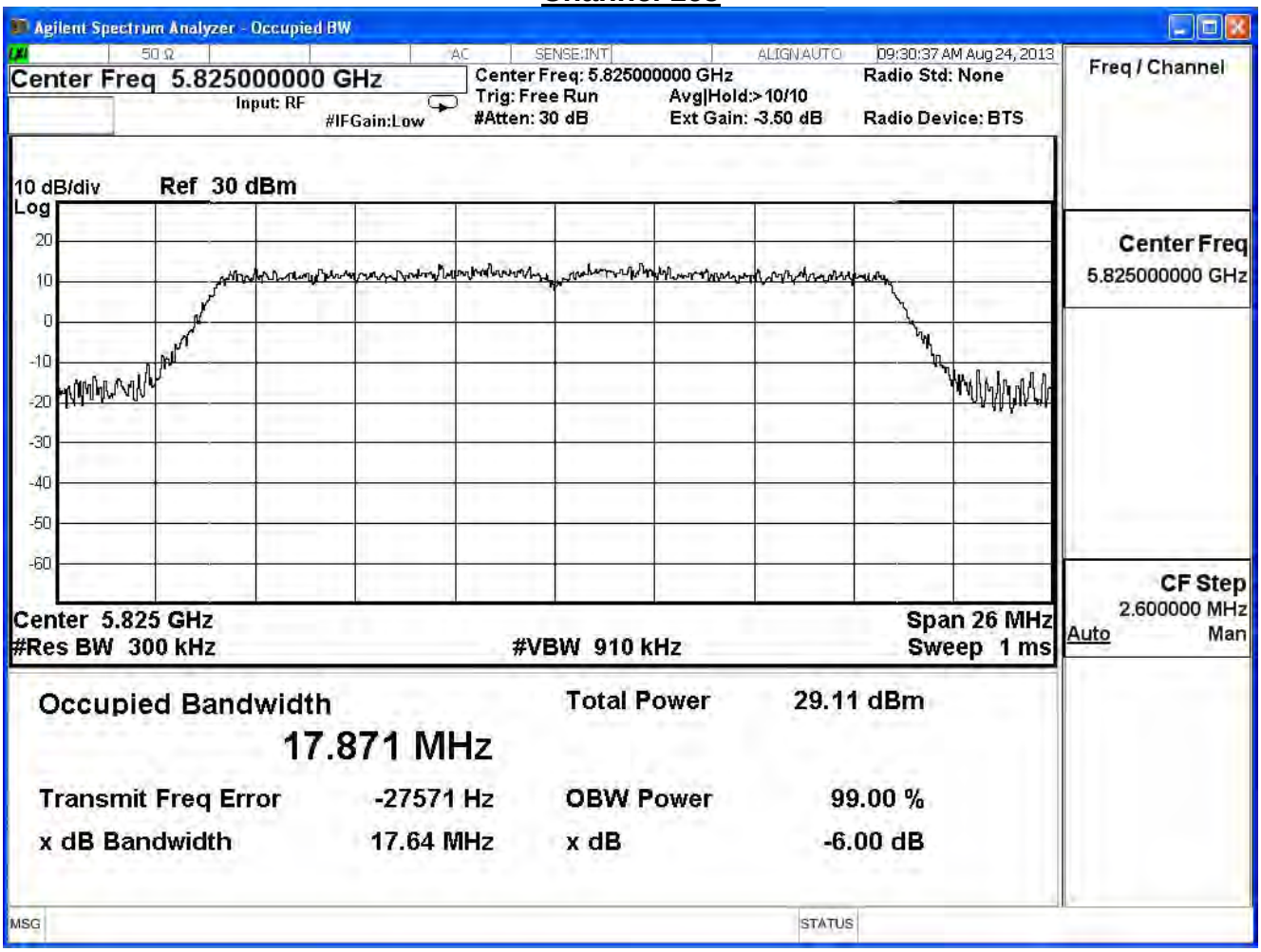
Channel 149



Channel 157


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:29:14 AM Aug 24, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -3.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
17.903 MHz
Total Power
28.93 dBm
Transmit Freq Error
-18036 Hz
OBW Power
99.00 %
x dB Bandwidth
17.68 MHz
x dB
-6.00 dB
MSG
STATUS

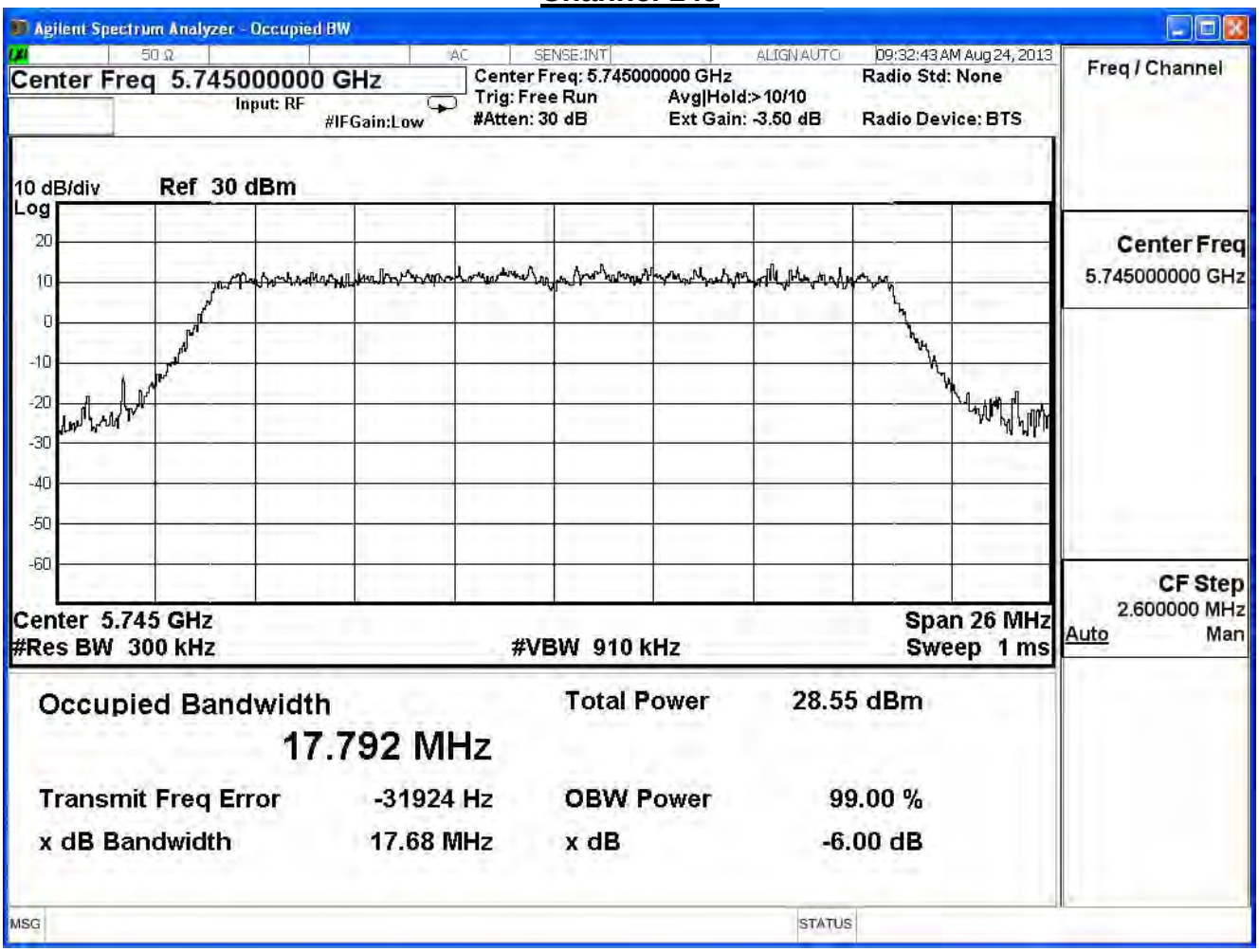
Channel 165


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:30:37 AM Aug 24, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -3.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
17.871 MHz
Total Power
29.11 dBm
Transmit Freq Error
-27571 Hz
OBW Power
99.00 %
x dB Bandwidth
17.64 MHz
x dB
-6.00 dB
MSG
STATUS

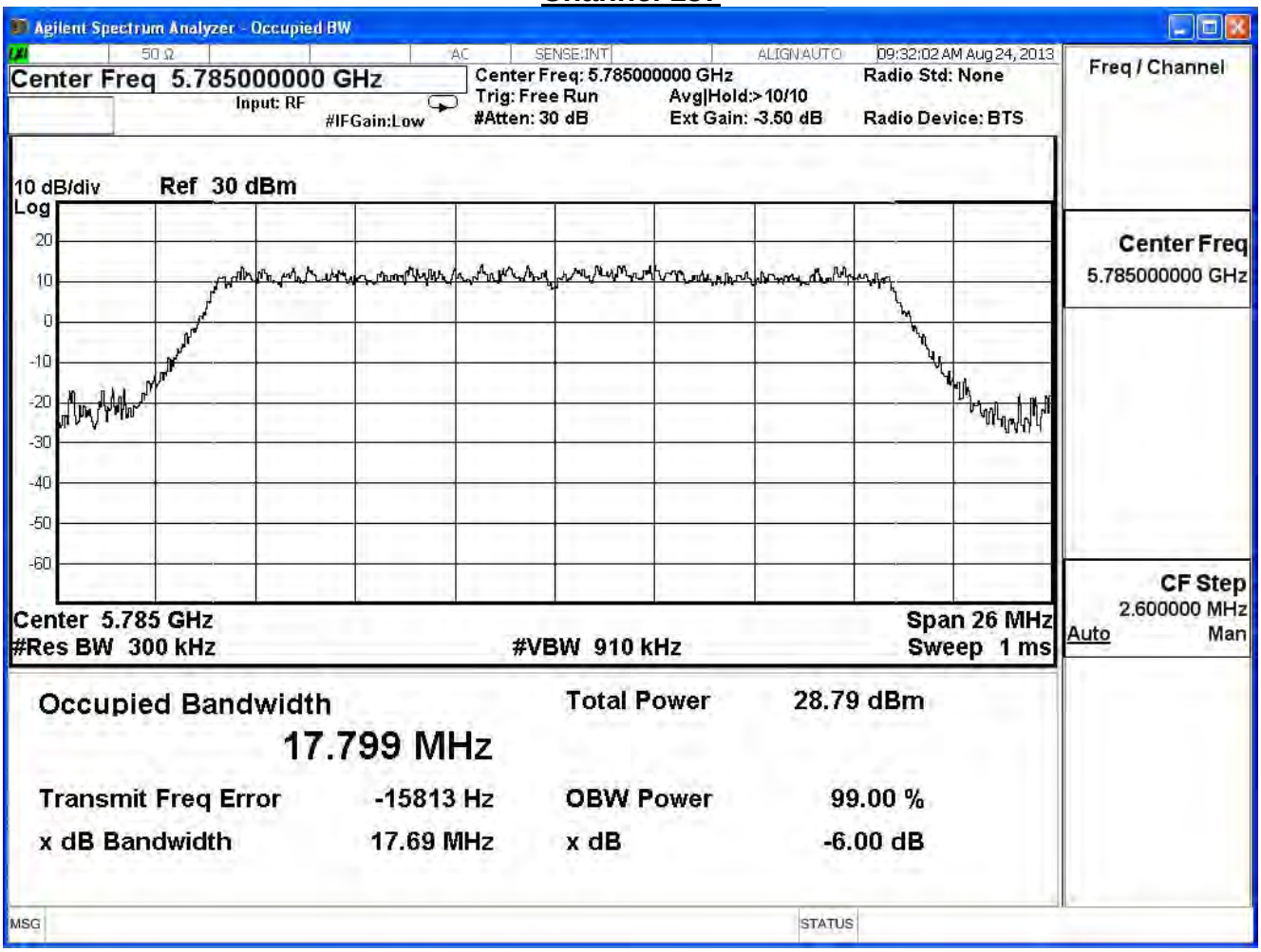
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.68	≧0.5	Pass
157	5785	17.69	≧0.5	Pass
165	5825	17.55	≧0.5	Pass

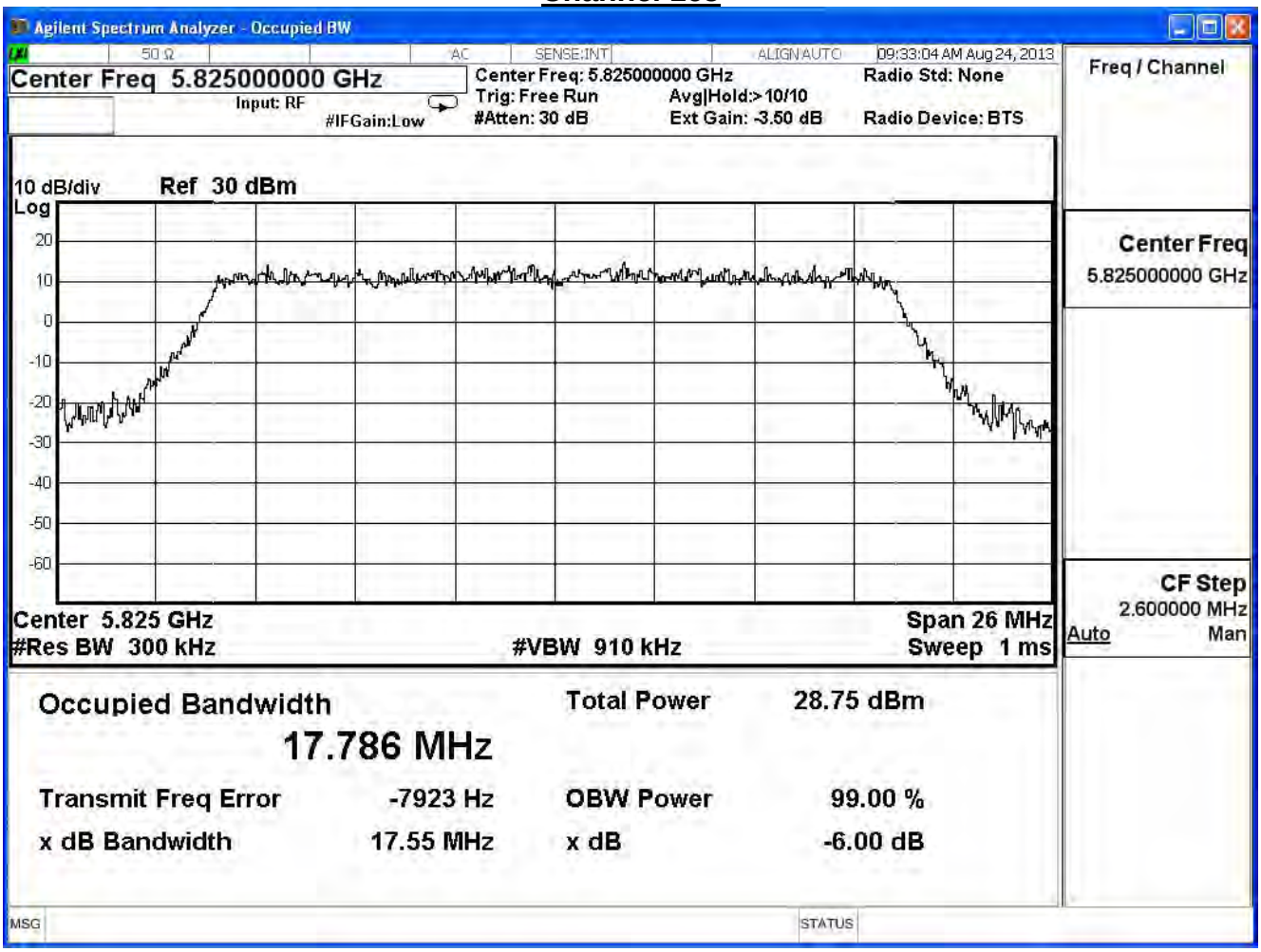
Channel 149



Channel 157


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:32:02 AM Aug 24, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -3.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.785000000 GHz
Center 5.785 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
17.799 MHz
Total Power
28.79 dBm
Transmit Freq Error
-15813 Hz
OBW Power
99.00 %
x dB Bandwidth
17.69 MHz
x dB
-6.00 dB
MSG
STATUS

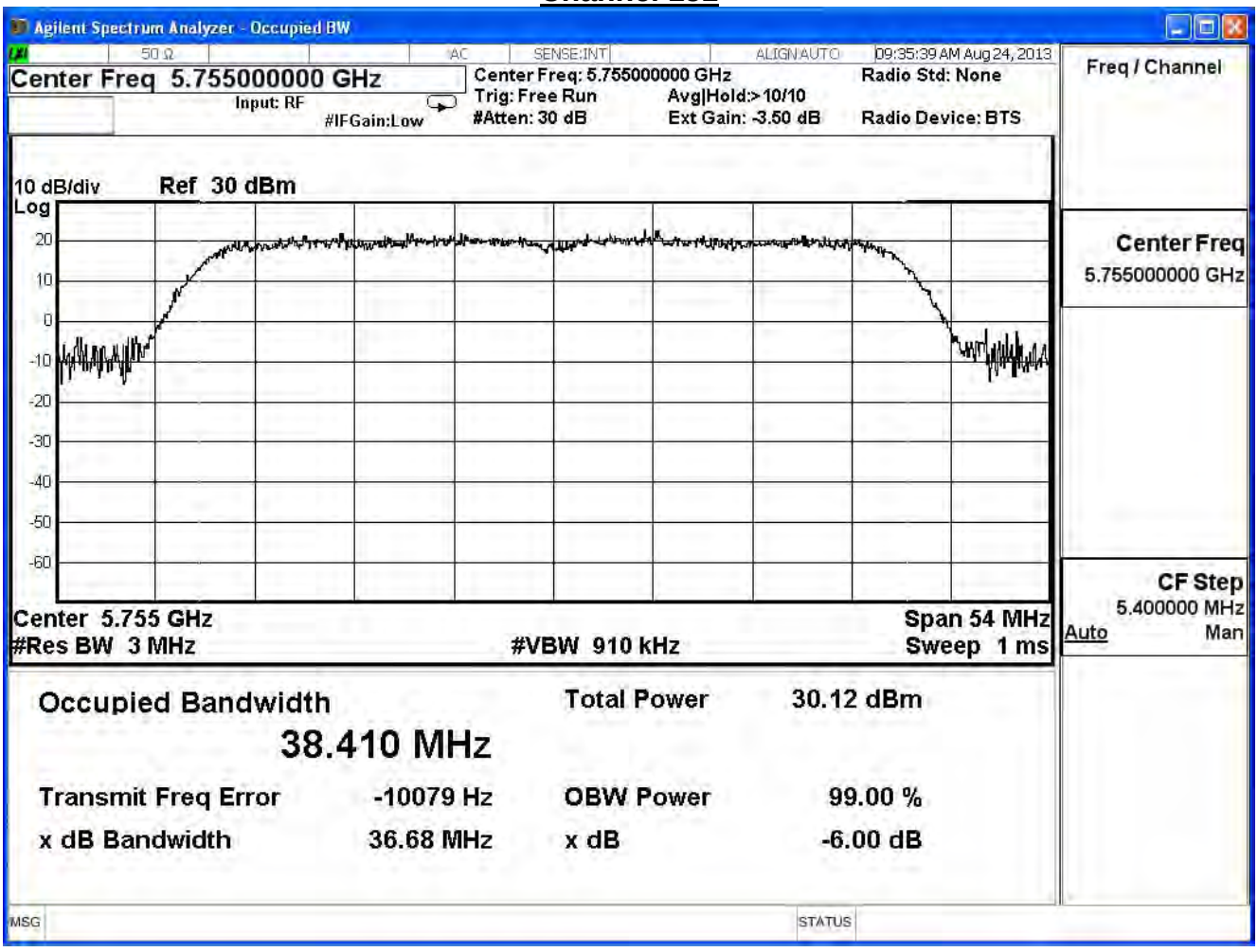
Channel 165


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:33:04 AM Aug 24, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>10/10
Ext Gain: -3.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
5.825000000 GHz
Center 5.825 GHz
#Res BW 300 kHz
#VBW 910 kHz
Span 26 MHz
Sweep 1 ms
CF Step
2.600000 MHz
Auto
Man
Occupied Bandwidth
17.786 MHz
Total Power
28.75 dBm
Transmit Freq Error
-7923 Hz
OBW Power
99.00 %
x dB Bandwidth
17.55 MHz
x dB
-6.00 dB
MSG
STATUS

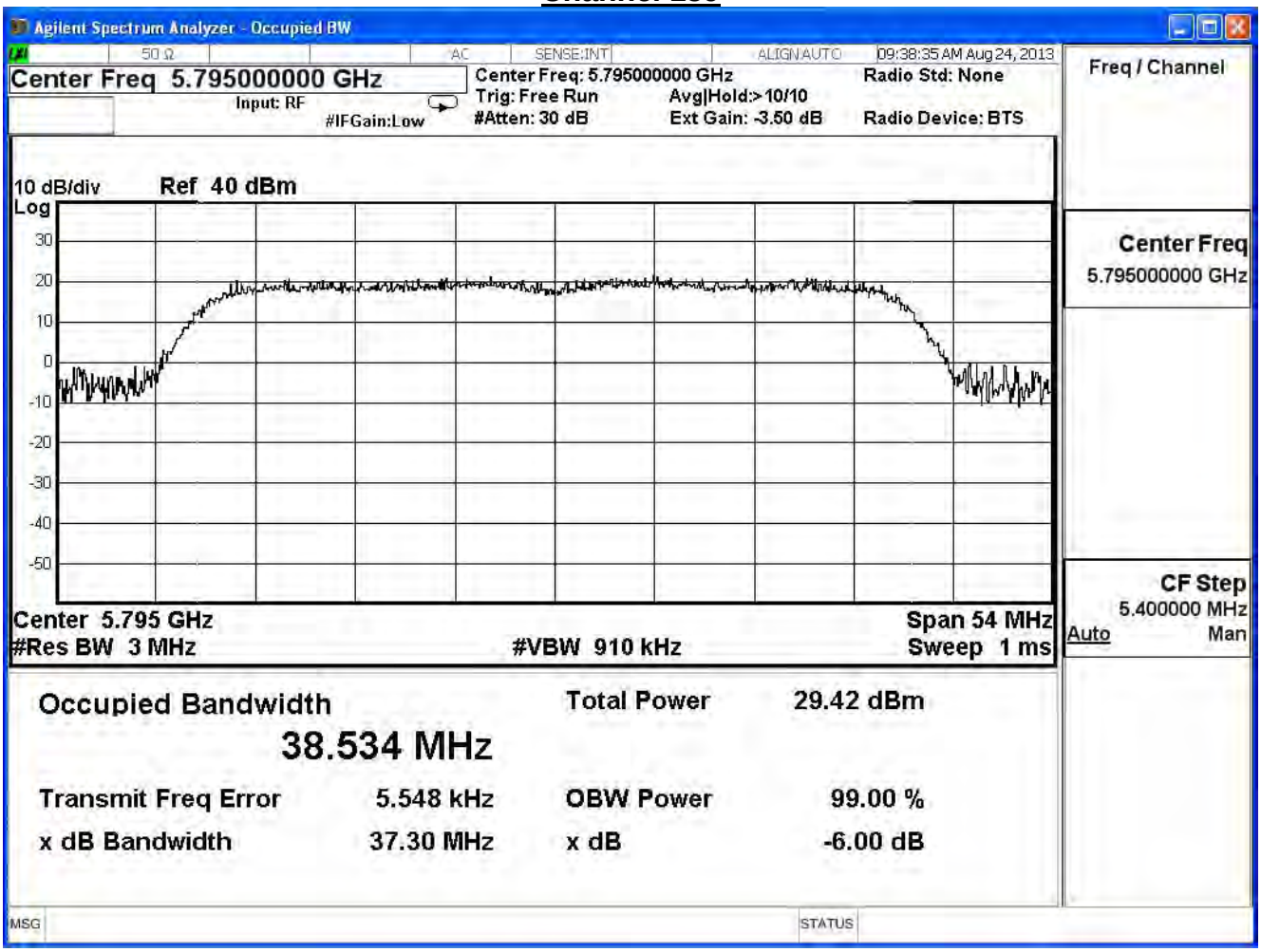
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.68	≧0.5	Pass
159	5795	37.30	≧0.5	Pass

Channel 151



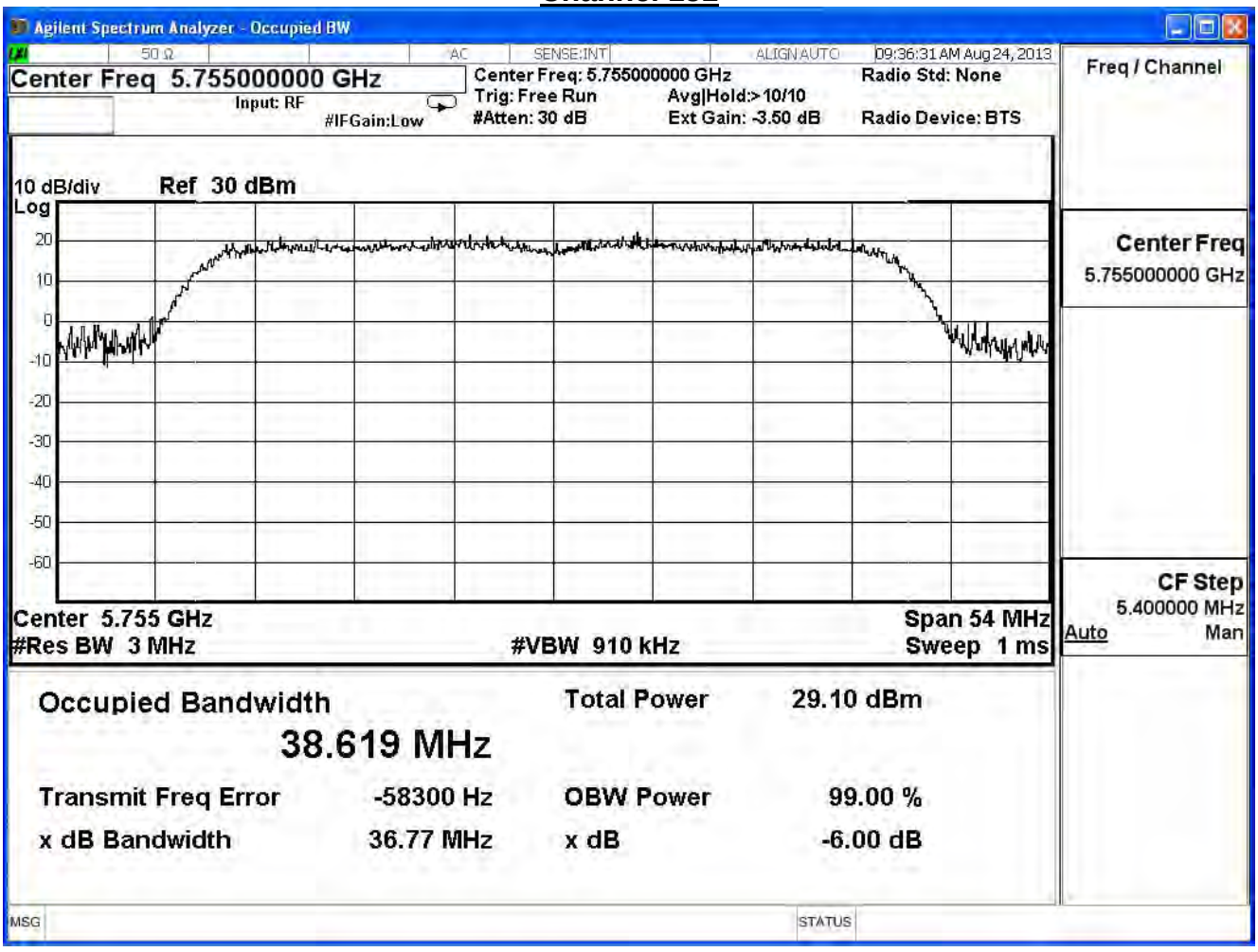
Channel 159


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:38:35 AM Aug 24, 2013
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -3.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.795000000 GHz
CF Step
5.400000 MHz
Auto
Man
Center 5.795 GHz
#Res BW 3 MHz
#VBW 910 kHz
Span 54 MHz
Sweep 1 ms
Occupied Bandwidth
38.534 MHz
Total Power
29.42 dBm
Transmit Freq Error
5.548 kHz
OBW Power
99.00 %
x dB Bandwidth
37.30 MHz
x dB
-6.00 dB
MSG
STATUS

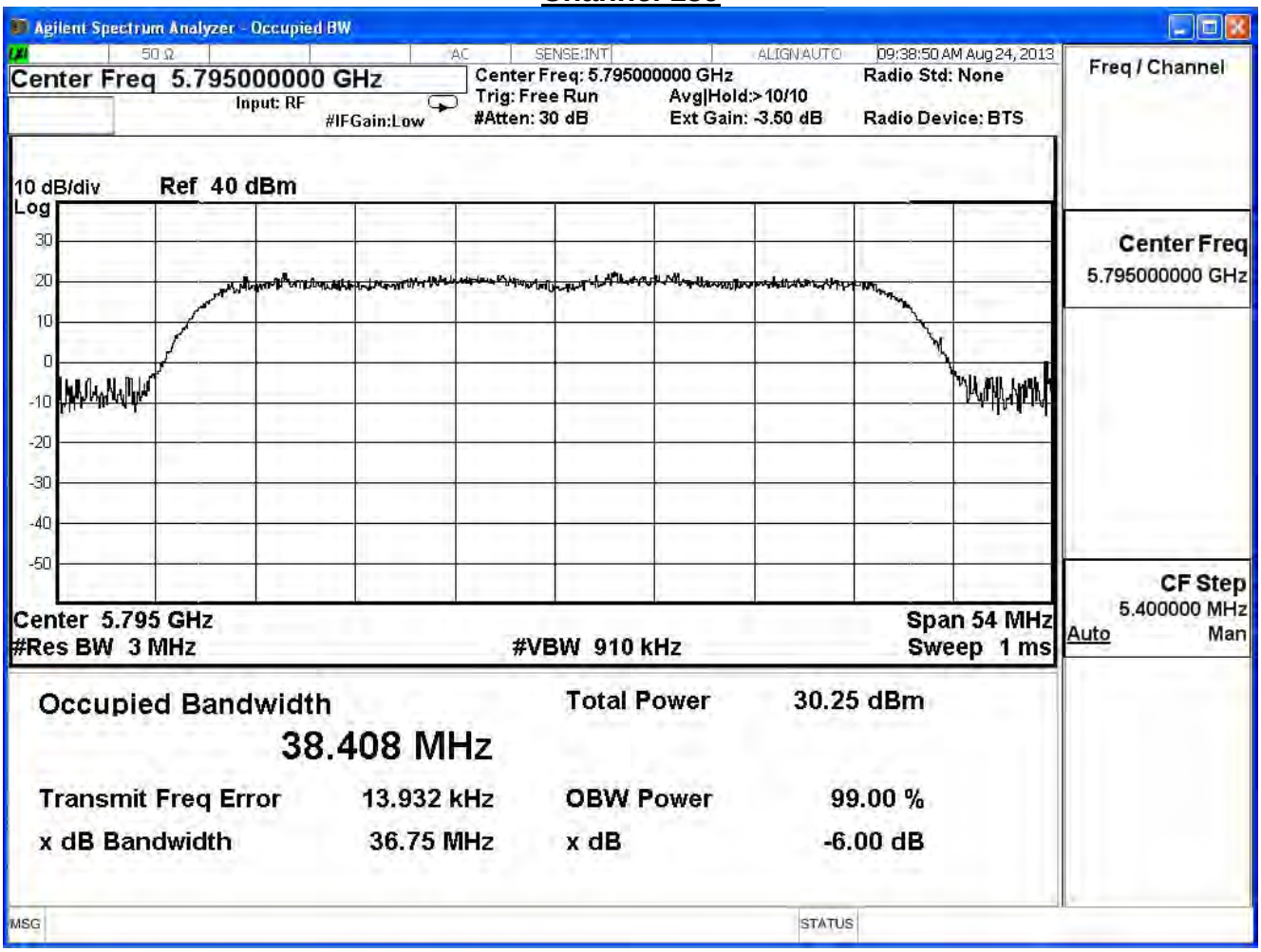
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.77	≧0.5	Pass
159	5795	36.75	≧0.5	Pass

Channel 151



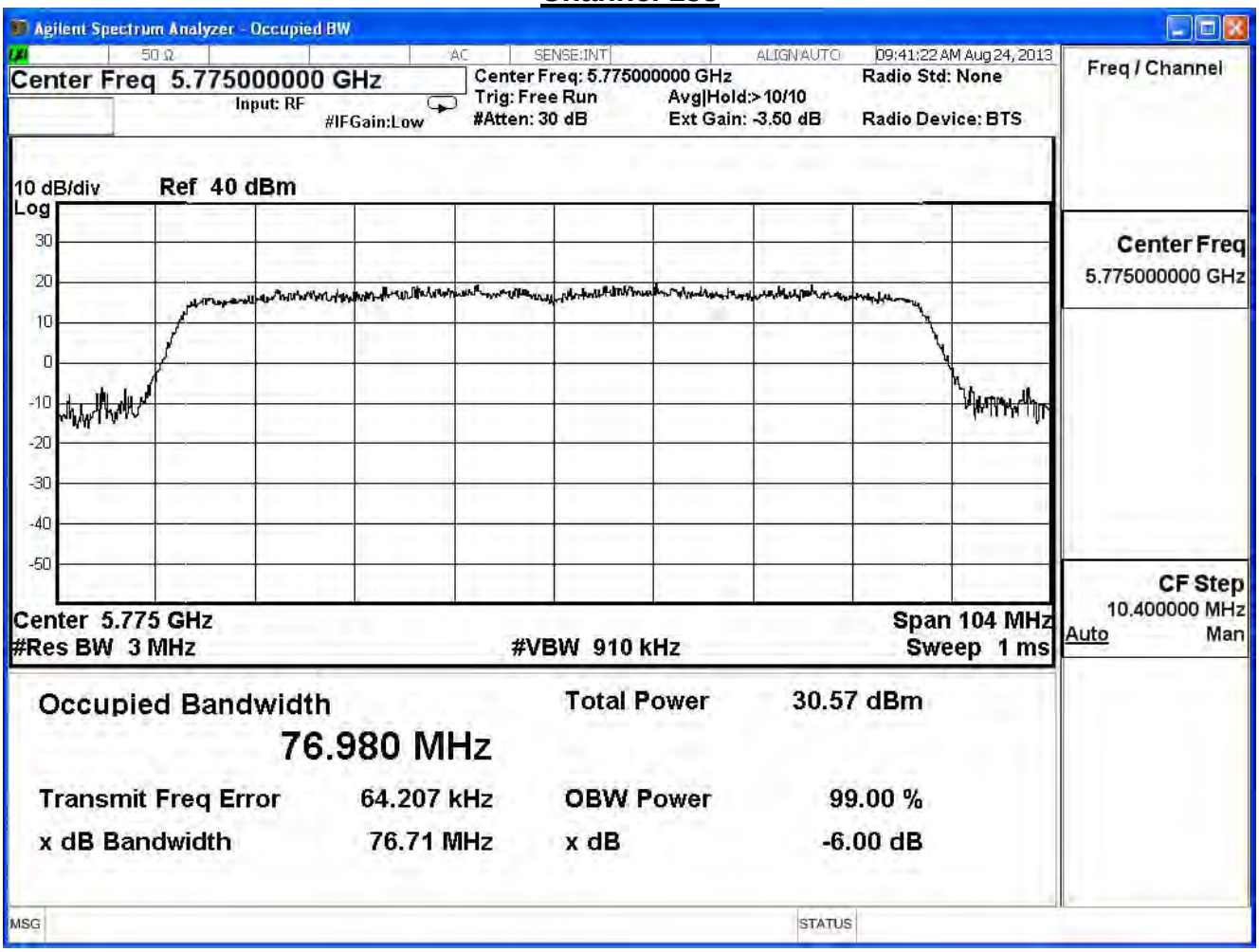
Channel 159


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:38:50 AM Aug 24, 2013
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -3.50 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 40 dBm
30
20
10
0
-10
-20
-30
-40
-50
Center Freq
5.795000000 GHz
Center 5.795 GHz
#Res BW 3 MHz
#VBW 910 kHz
Span 54 MHz
Sweep 1 ms
CF Step
5.400000 MHz
Auto
Man
Occupied Bandwidth
38.408 MHz
Total Power
30.25 dBm
Transmit Freq Error
13.932 kHz
OBW Power
99.00 %
x dB Bandwidth
36.75 MHz
x dB
-6.00 dB
MSG
STATUS

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
155	5775	76.71	≧0.5	Pass

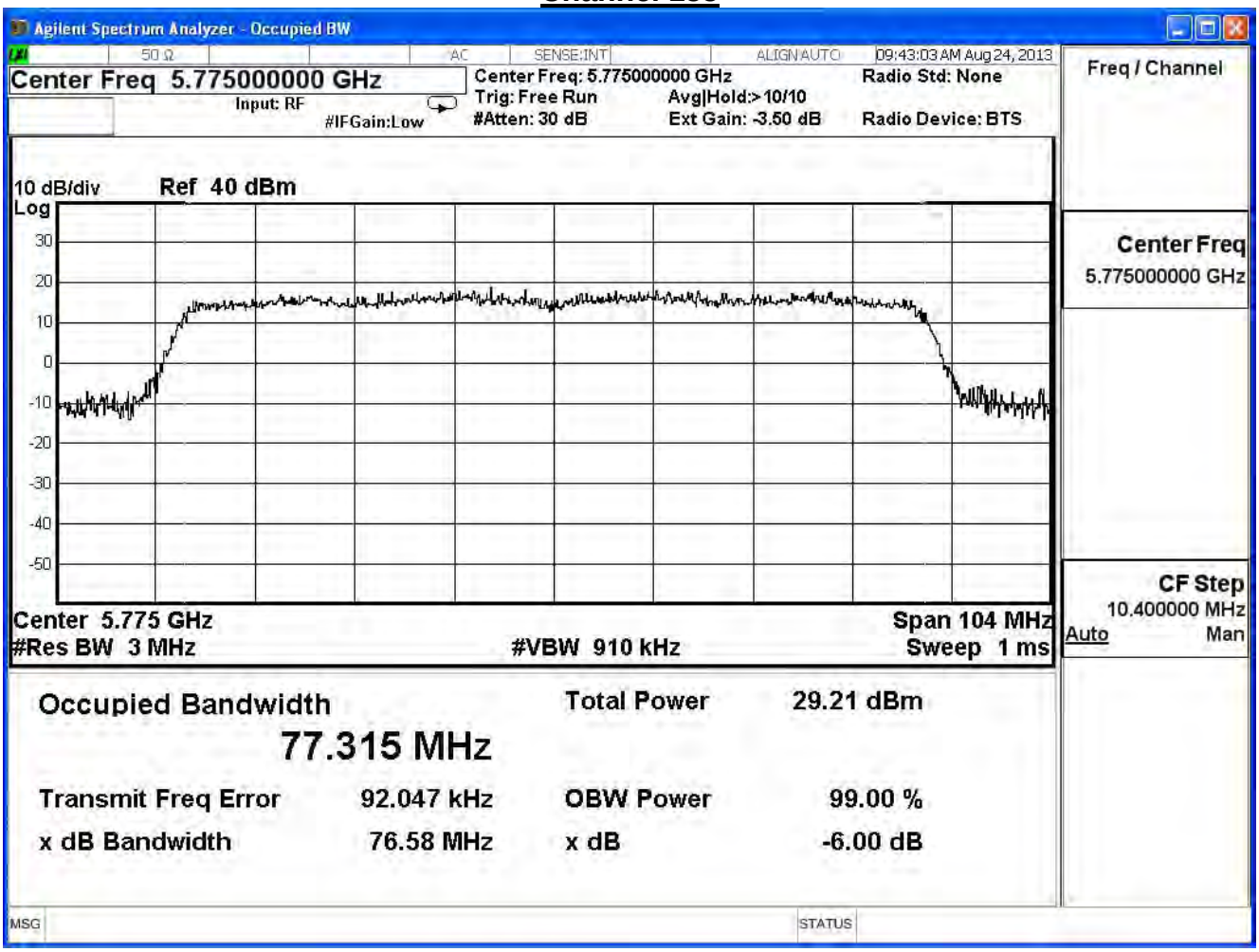
Channel 155



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
155	5775	76.58	≧0.5	Pass

Channel 155



8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

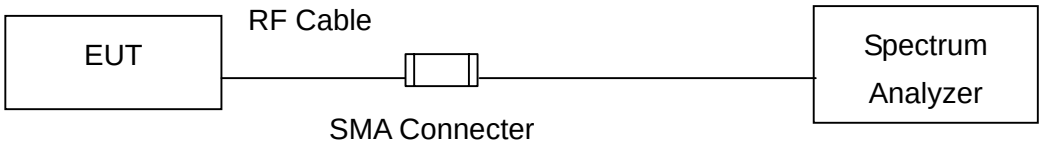
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2014/08/05

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

8.2. Test Setup

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



8.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

8.4. Test Procedures

The EUT was setup according to ANSI C63.10; tested according to DTS test procedure of April 2013 KDB558074,Section 10.3 Measurement Procedure for compliance to FCC 47CFR 15.247 requirements.
Set RBW= 100 kHz, Set VBW= 300 kHz, Sweep time=Auto, Set detector=RMS detector.
Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log (3 kHz/100 kHz = -15.2 dB).

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

8.6. Uncertainty

The measurement uncertainty is defined as ±1.27dB.

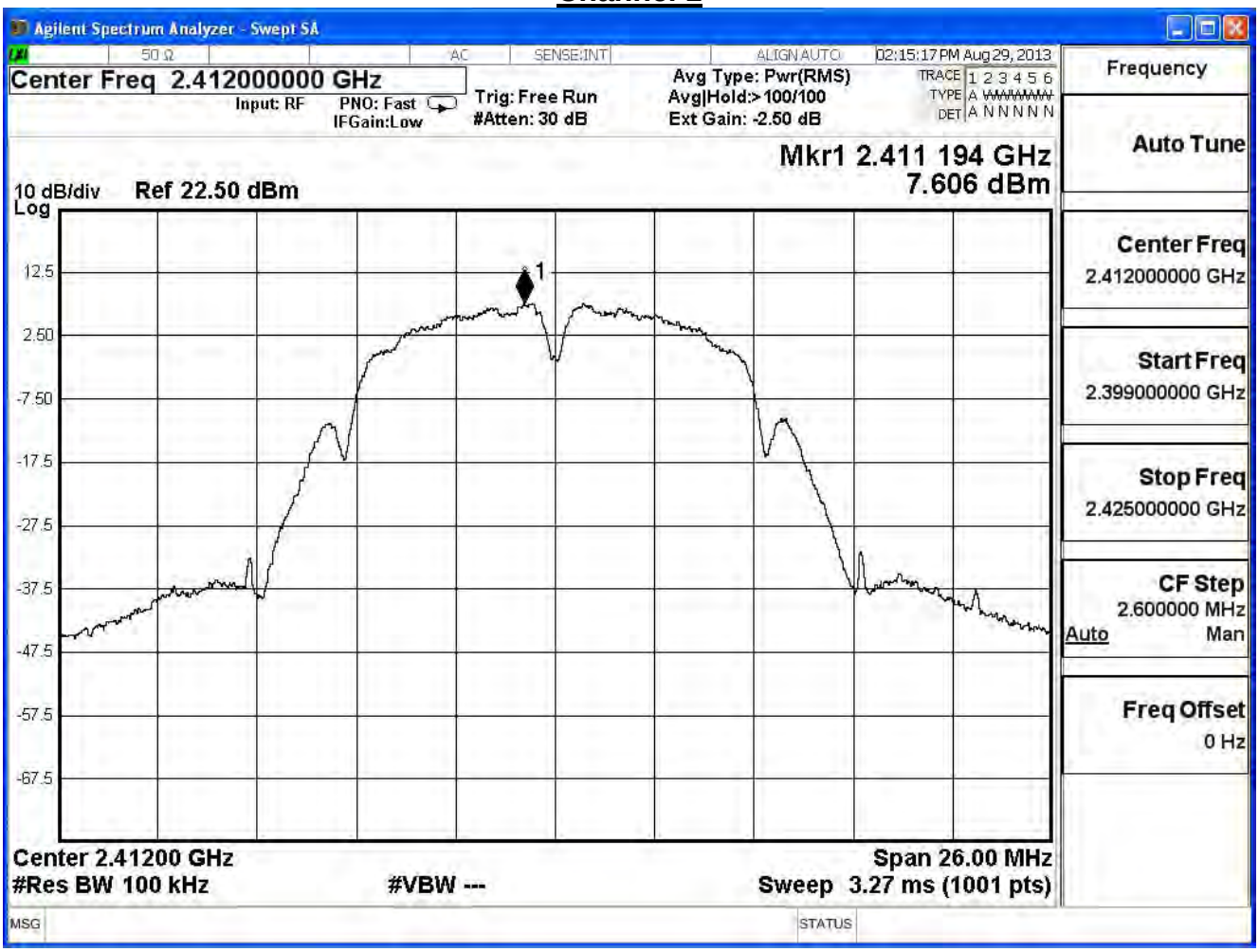
8.7. Test Result

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

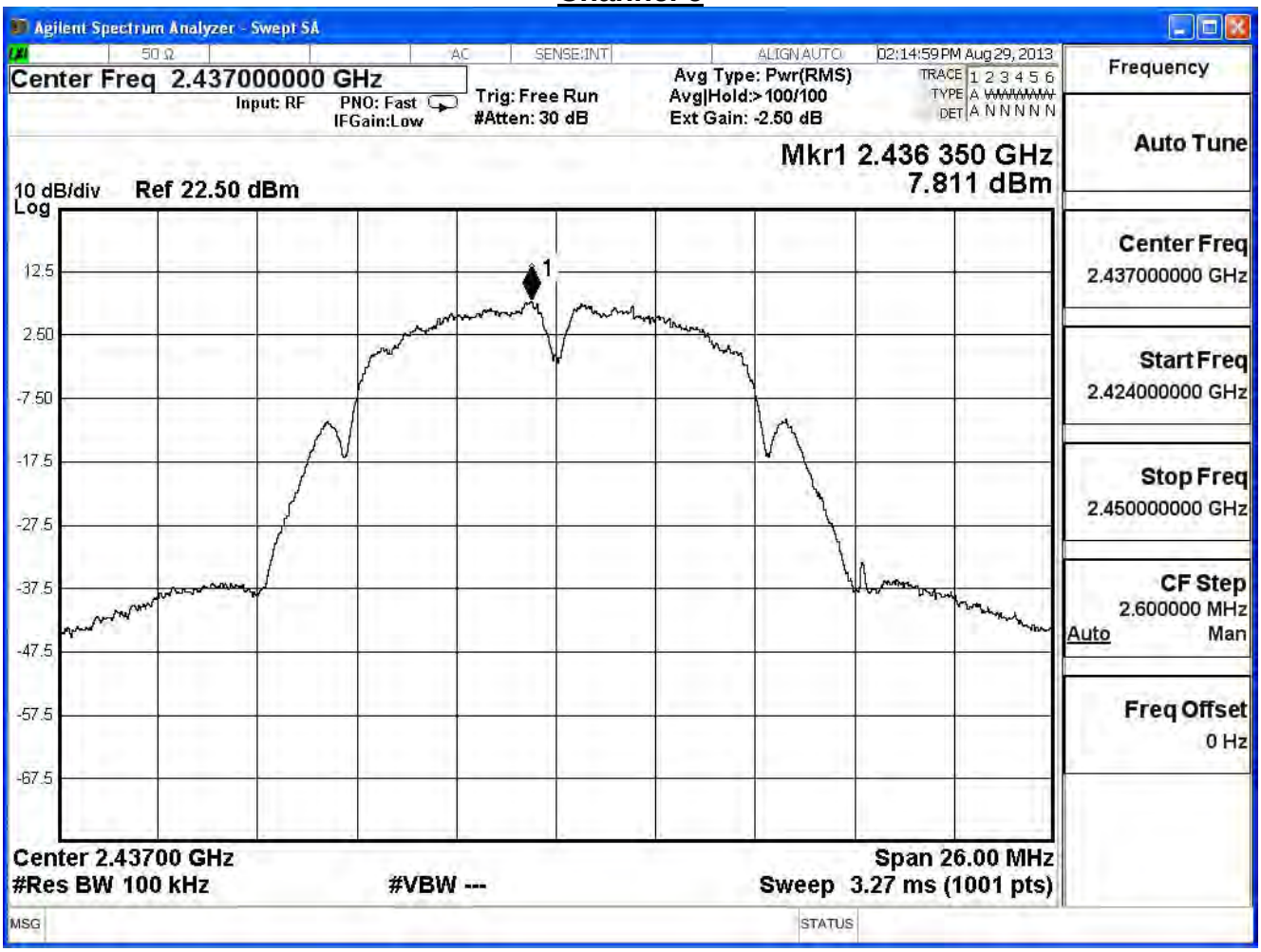
IEEE 802.11b					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	7.61	-8.14	≦8	Pass
6	2437	7.81	-7.39	≦8	Pass
11	2462	7.81	-7.39	≦8	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)

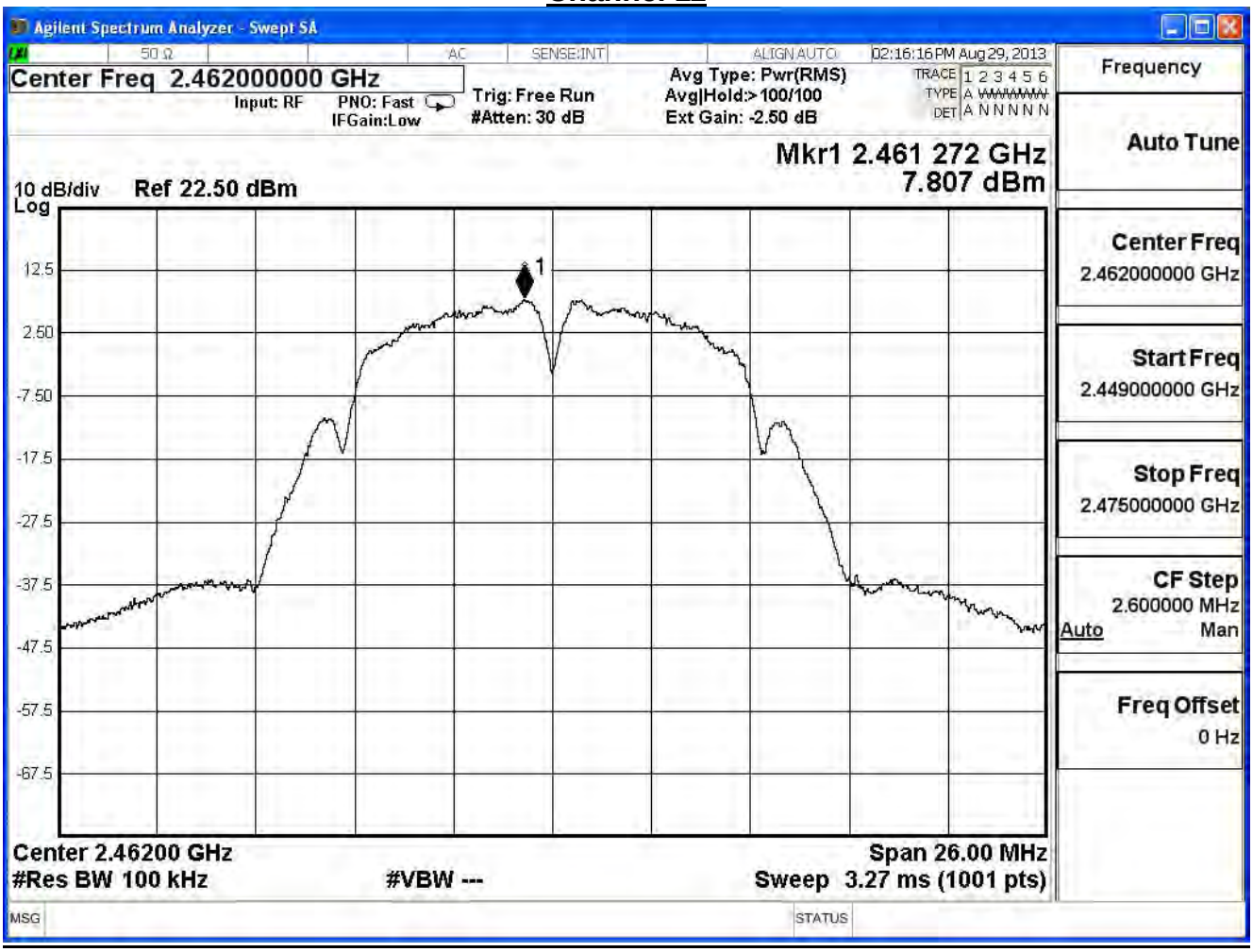
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:14:59 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.436 350 GHz
7.811 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.43700 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
Sweep 3.27 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.424000000 GHz
Stop Freq
2.450000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11

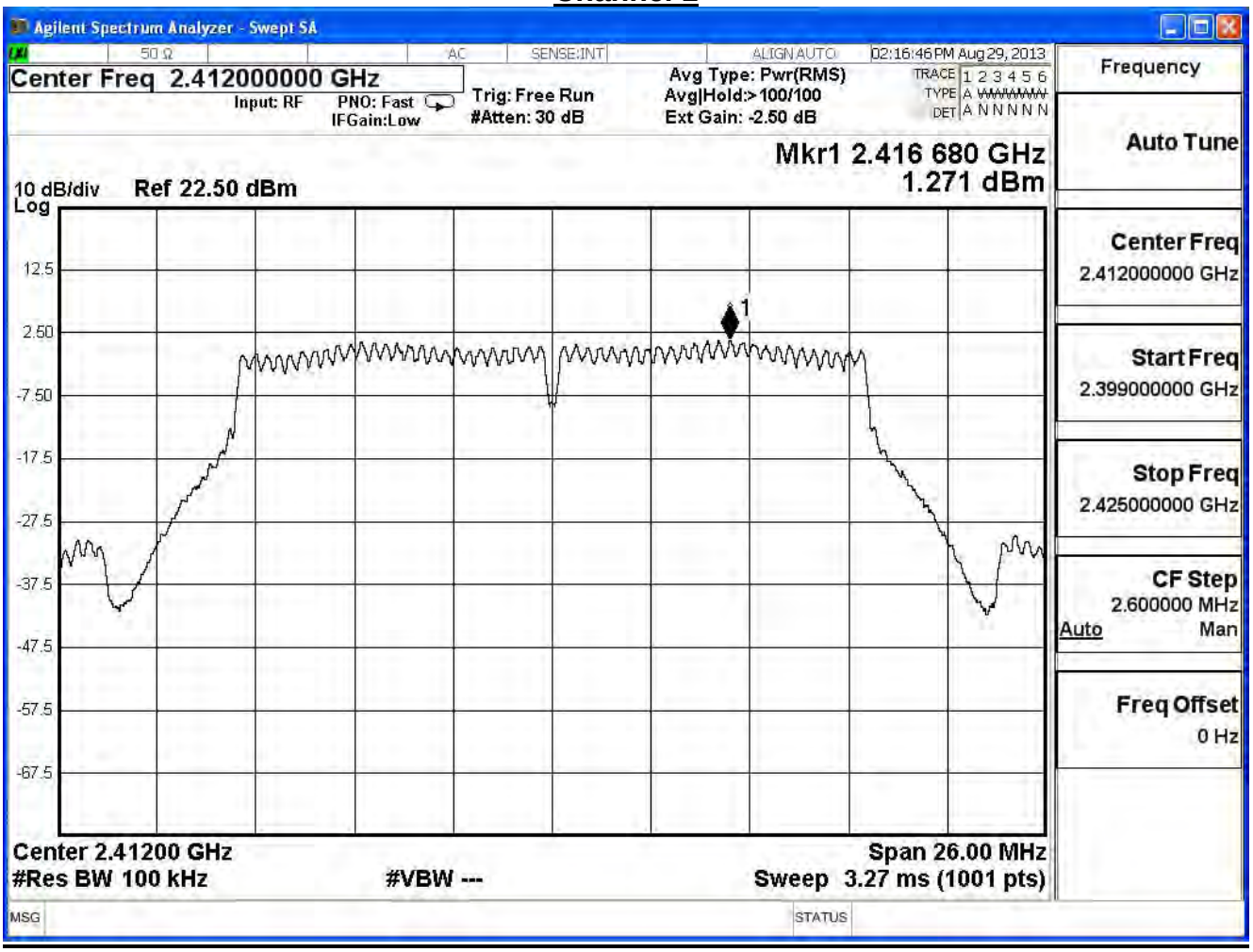

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:16:16 PM Aug 29, 2013
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.461 272 GHz
7.807 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.46200 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
Sweep 3.27 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.449000000 GHz
Stop Freq
2.475000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

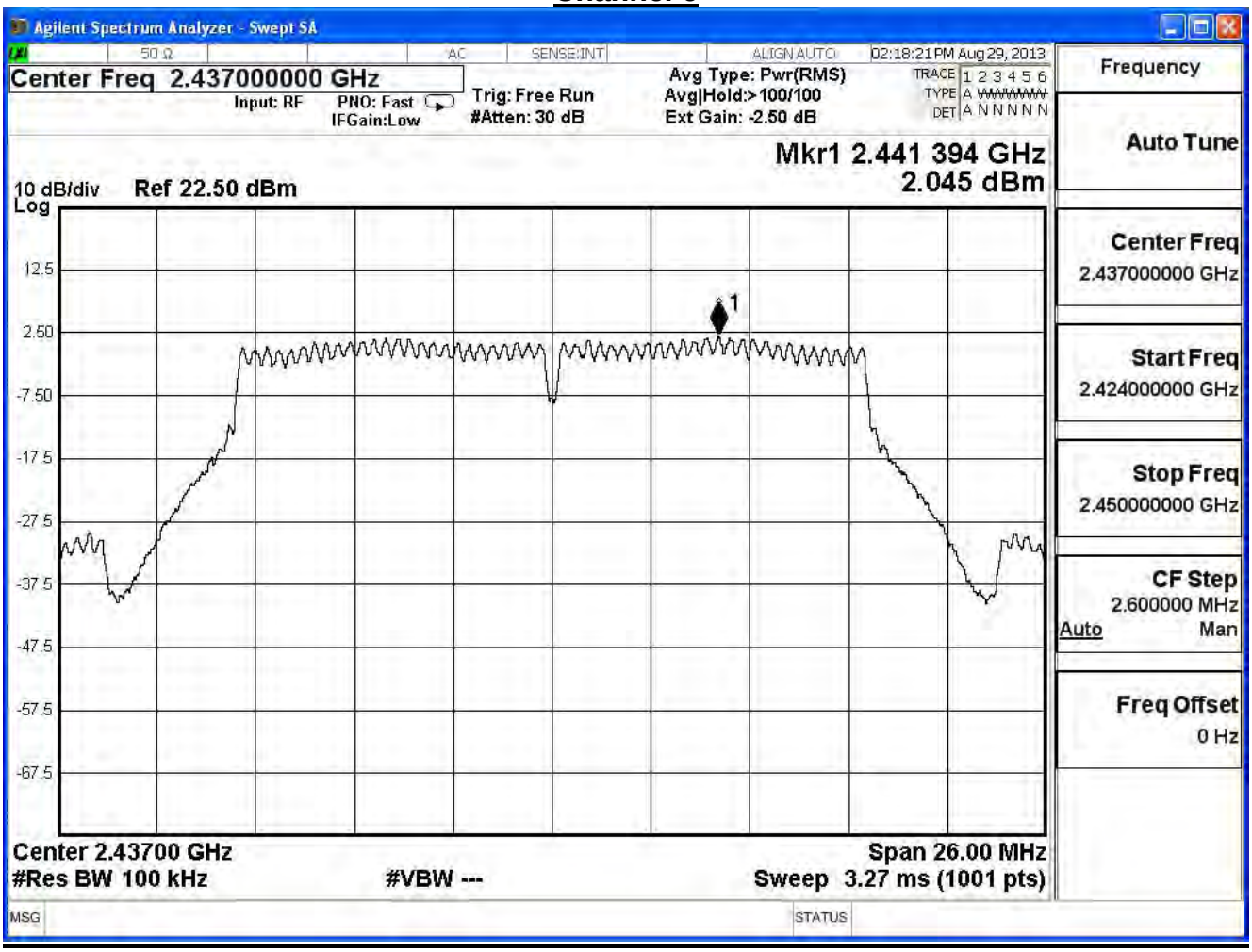
IEEE 802.11g(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	1.27	-13.93	≦7.28	Pass
6	2437	2.05	-13.16	≦7.28	Pass
11	2462	1.10	-14.10	≦7.28	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi
Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

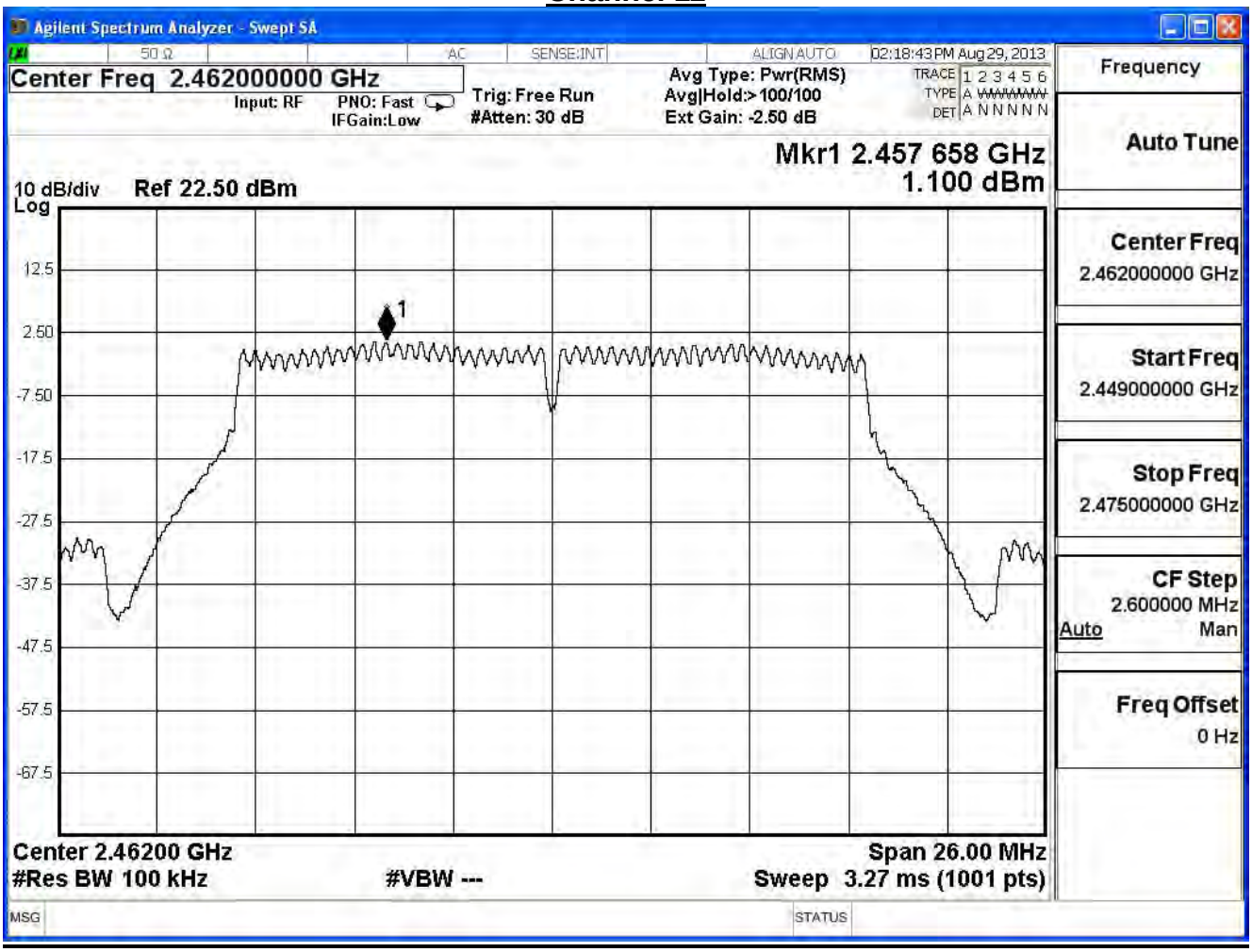
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:18:21 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.441 394 GHz
2.045 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.43700 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
Sweep 3.27 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.424000000 GHz
Stop Freq
2.450000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11

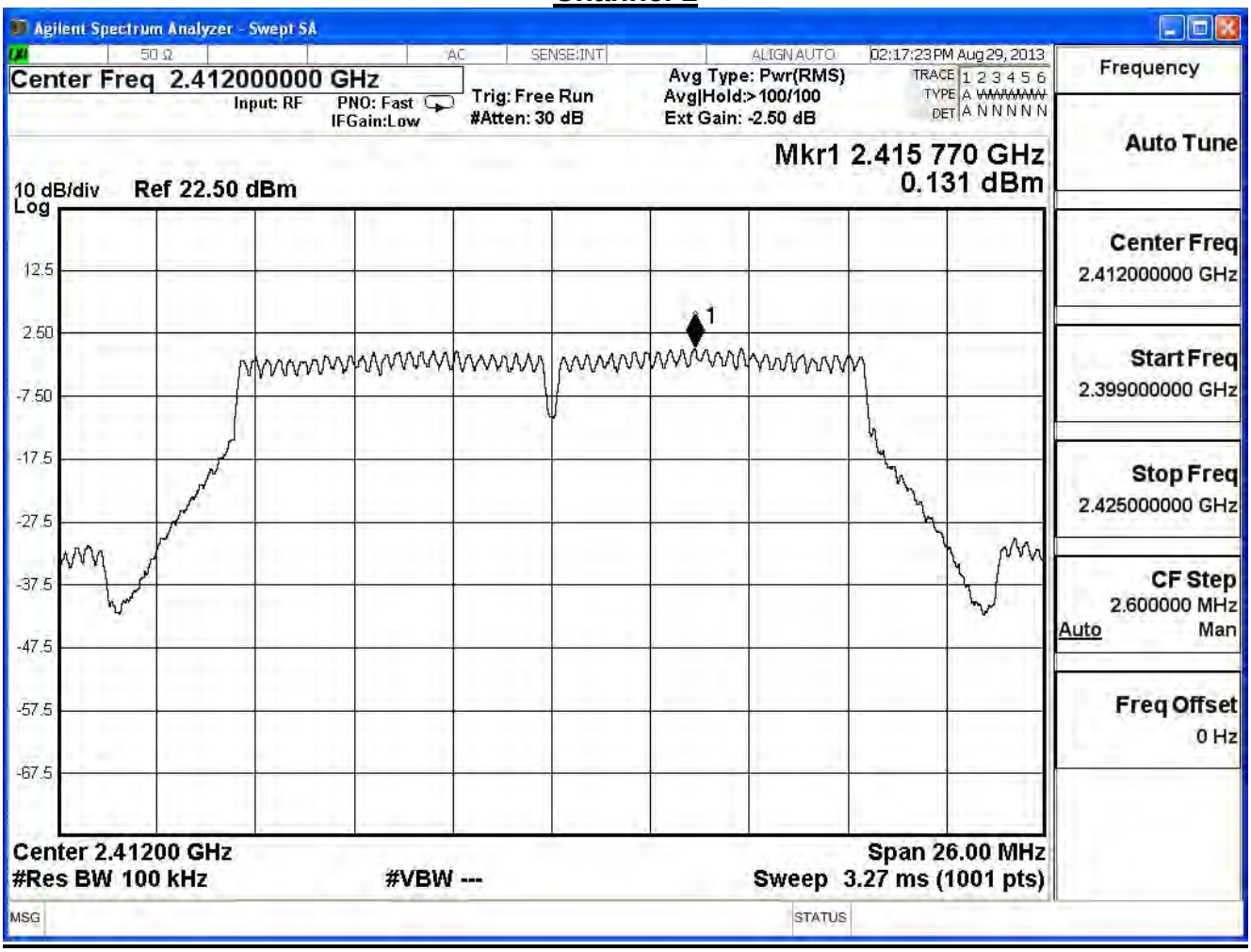

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:18:43 PM Aug 29, 2013
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.457 658 GHz
1.100 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.46200 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
Sweep 3.27 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.449000000 GHz
Stop Freq
2.475000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

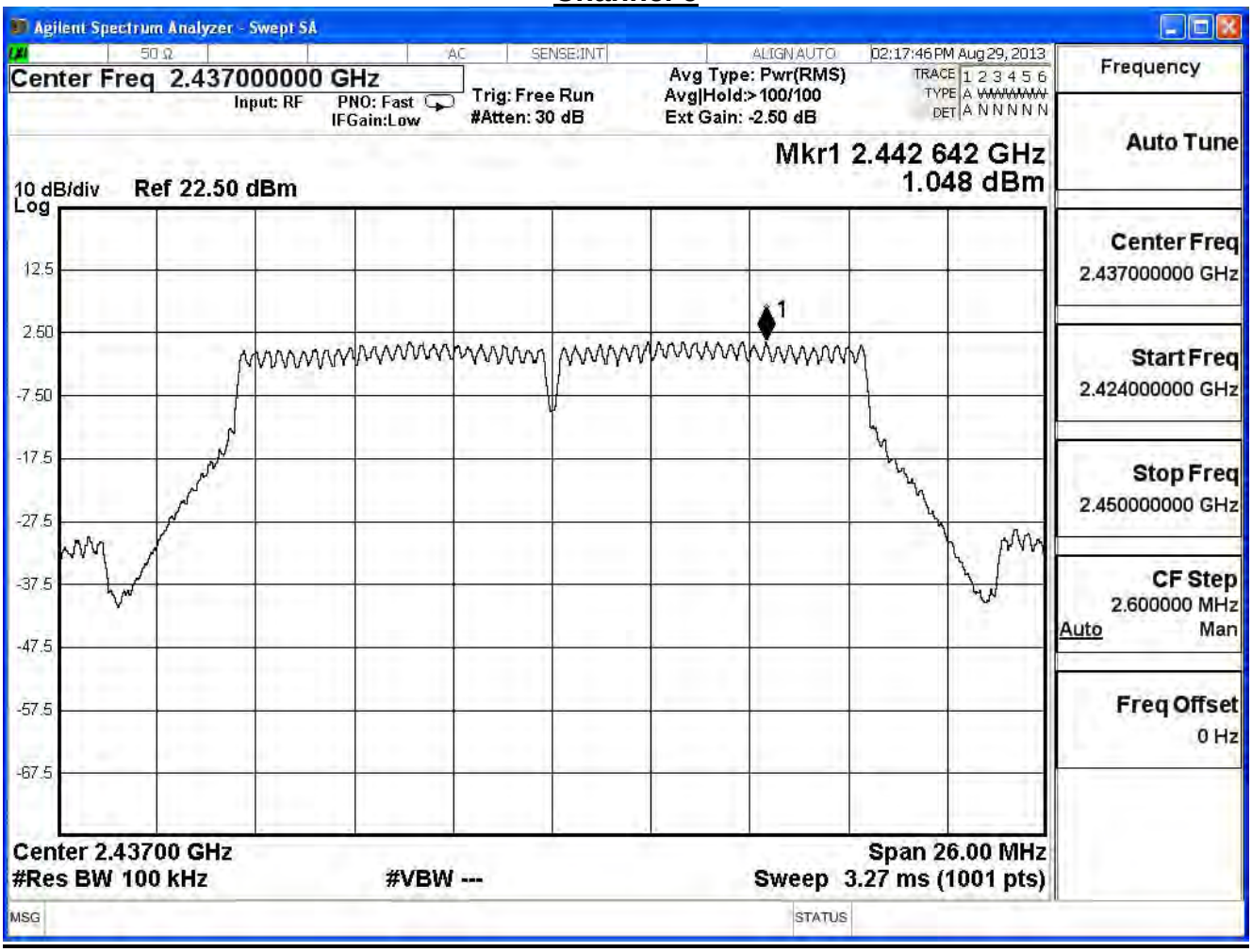
IEEE 802.11g(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	0.13	-15.07	≦7.28	Pass
6	2437	1.05	-14.15	≦7.28	Pass
11	2462	0.39	-14.81	≦7.28	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi
Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

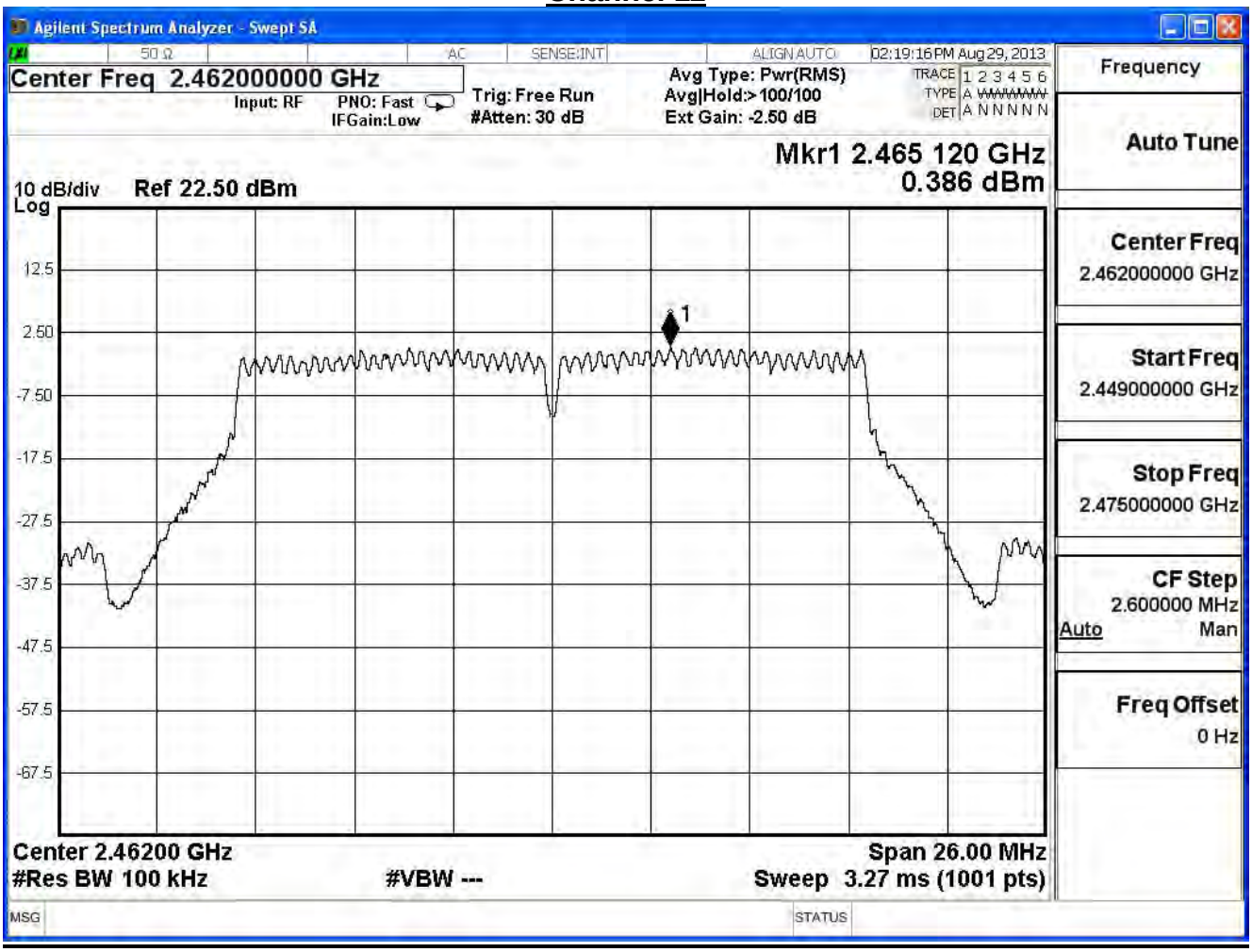
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:17:46 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.442 642 GHz
1.048 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.43700 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
Sweep 3.27 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.424000000 GHz
Stop Freq
2.450000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:19:16 PM Aug 29, 2013
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.465 120 GHz
0.386 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.46200 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
Sweep 3.27 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.449000000 GHz
Stop Freq
2.475000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11g(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-11.45	≦7.28	Pass
6	2437	-10.61	≦7.28	Pass
11	2462	-11.43	≦7.28	Pass

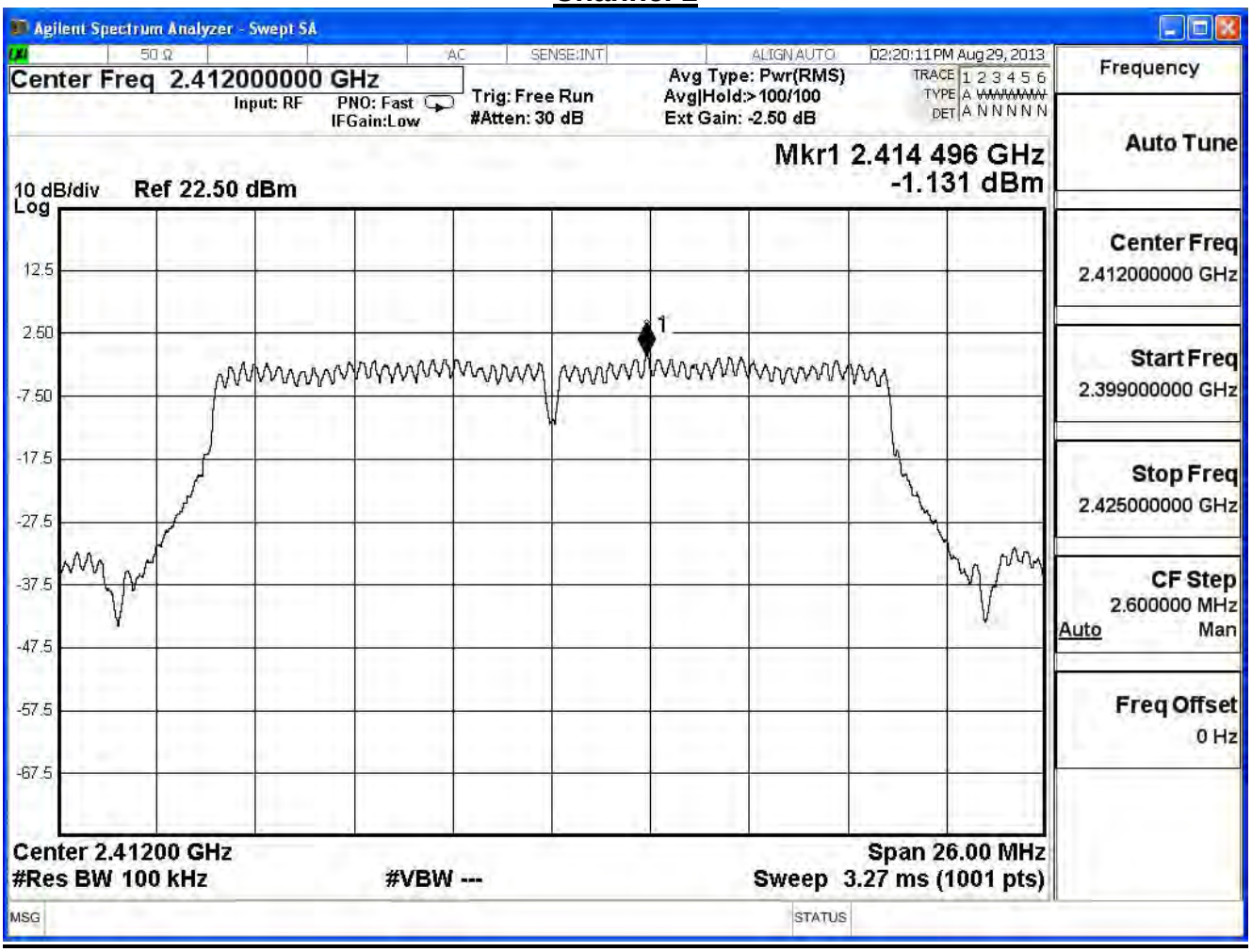
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi
Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

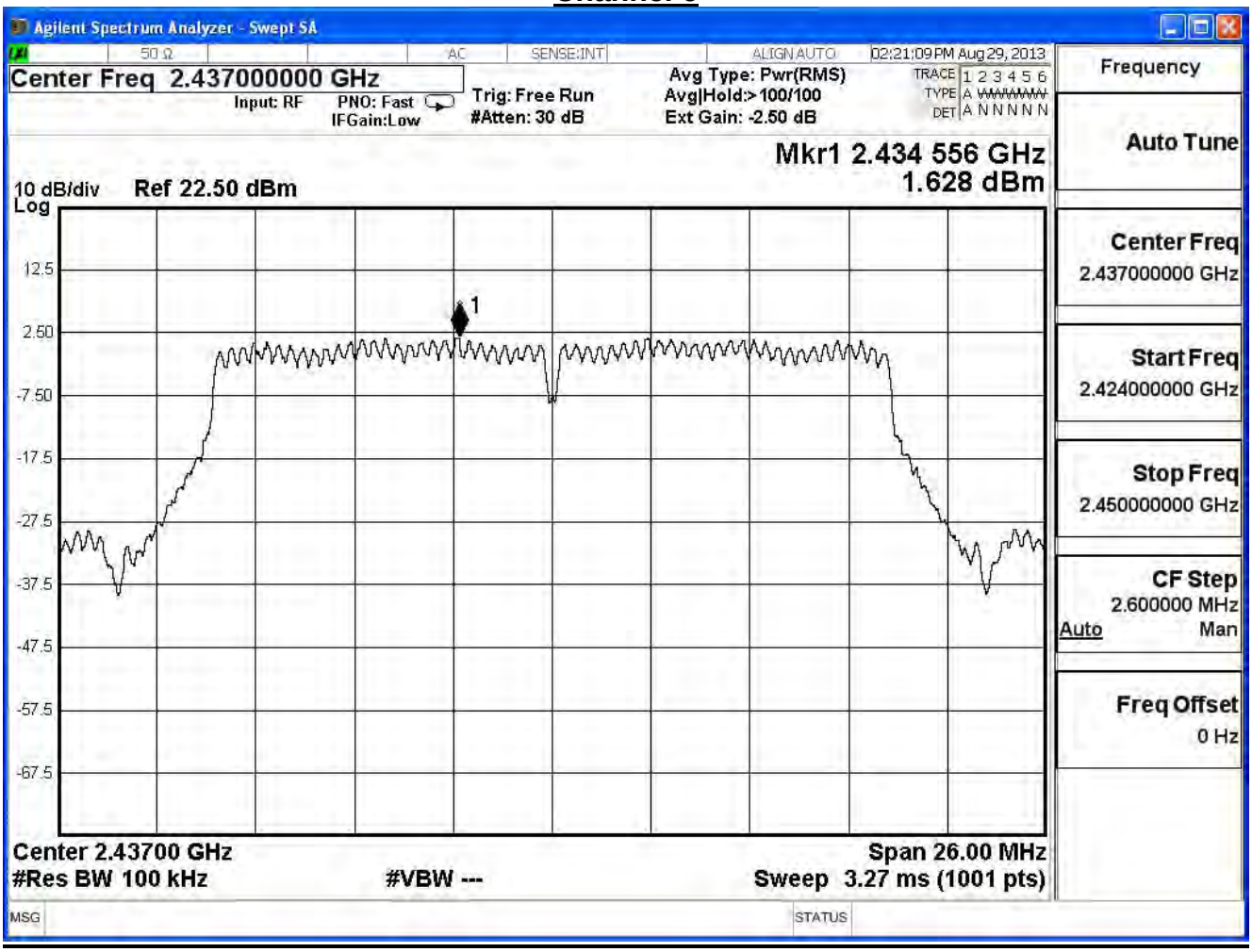
IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-1.13	-16.33	≦7.28	Pass
6	2437	1.63	-13.57	≦7.28	Pass
11	2462	-1.64	-16.84	≦7.28	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi
Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

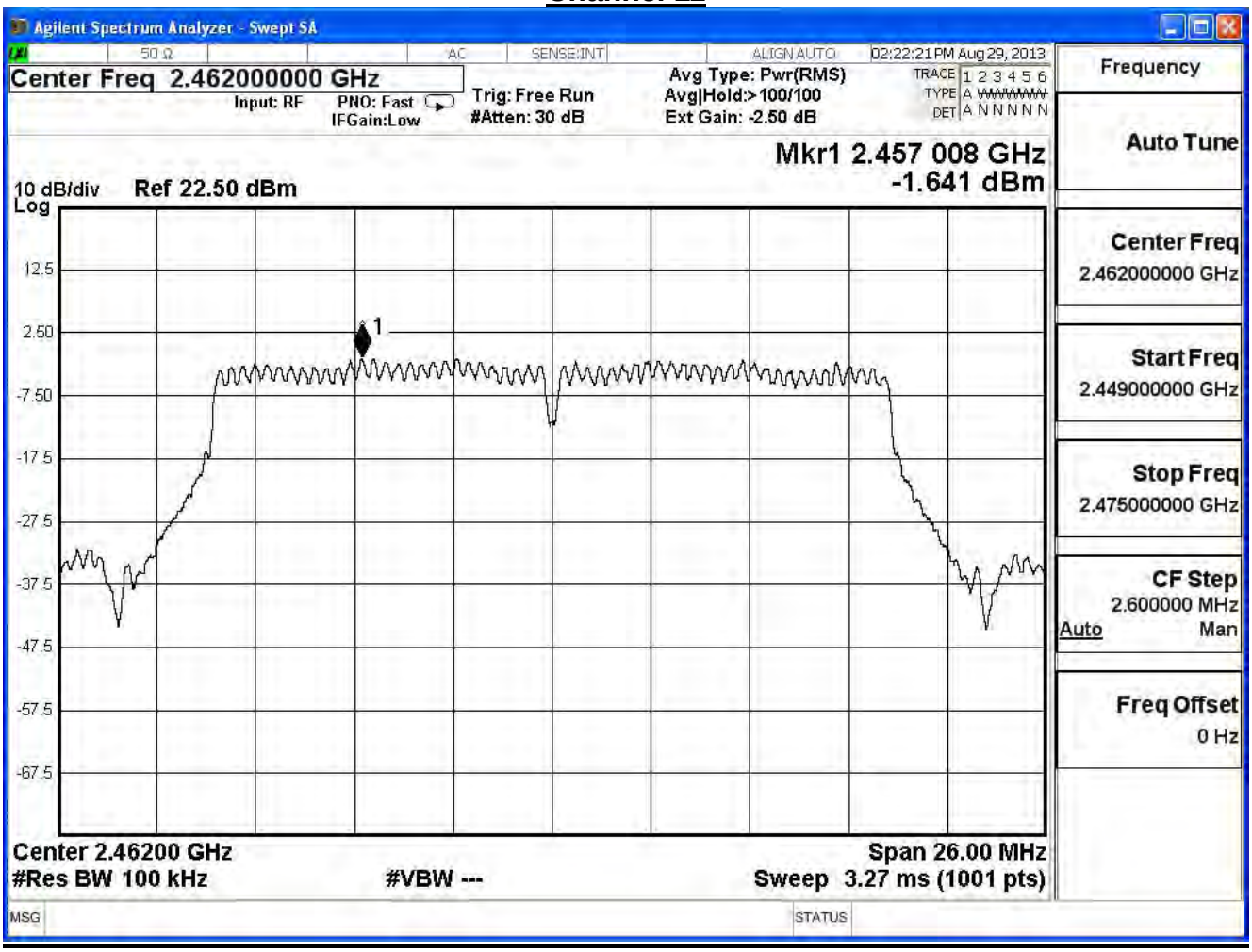
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:21:09 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.434 556 GHz
1.628 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.43700 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
Sweep 3.27 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.424000000 GHz
Stop Freq
2.450000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11

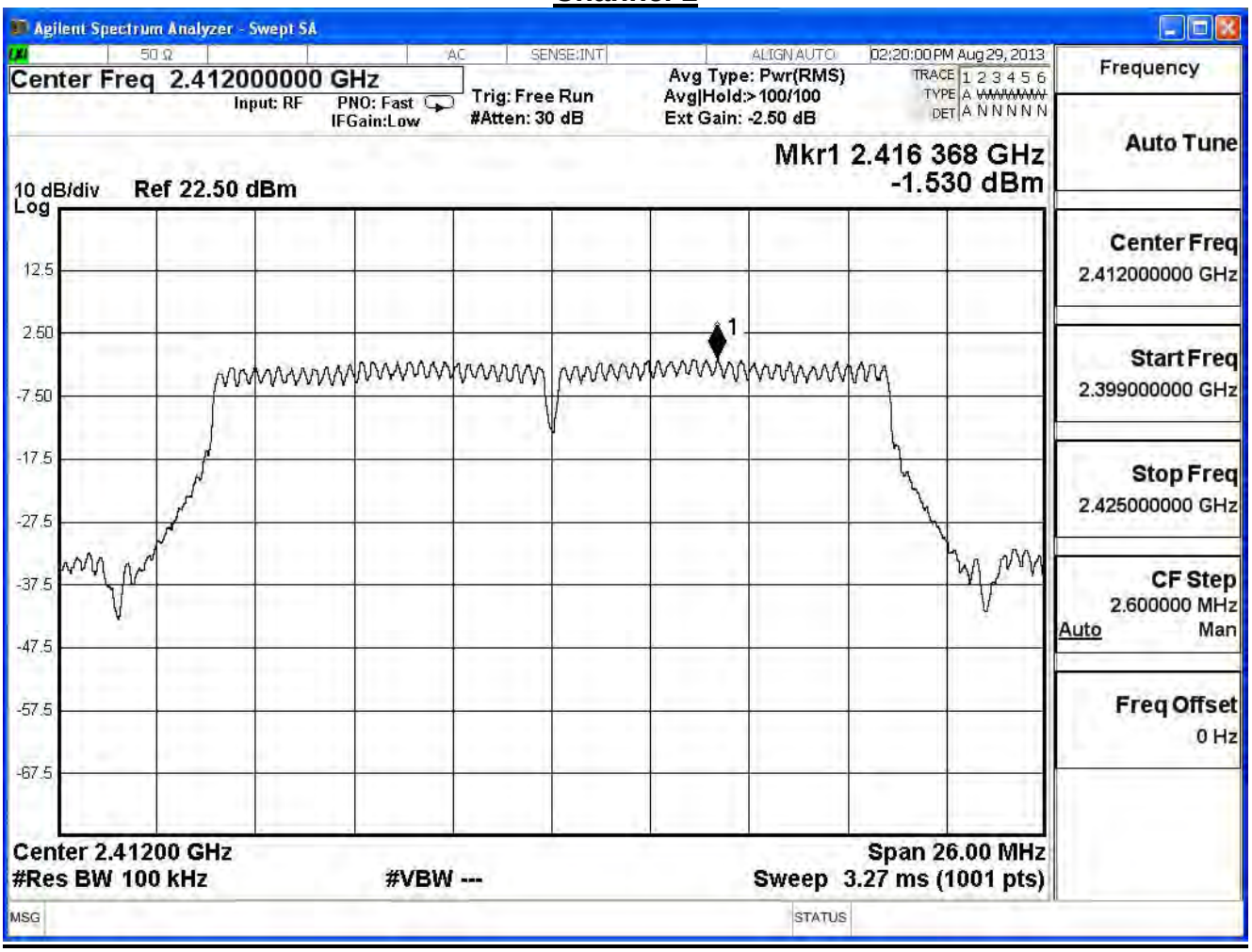

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:22:21 PM Aug 29, 2013
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.457 008 GHz
-1.641 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.46200 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
Sweep 3.27 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.449000000 GHz
Stop Freq
2.475000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

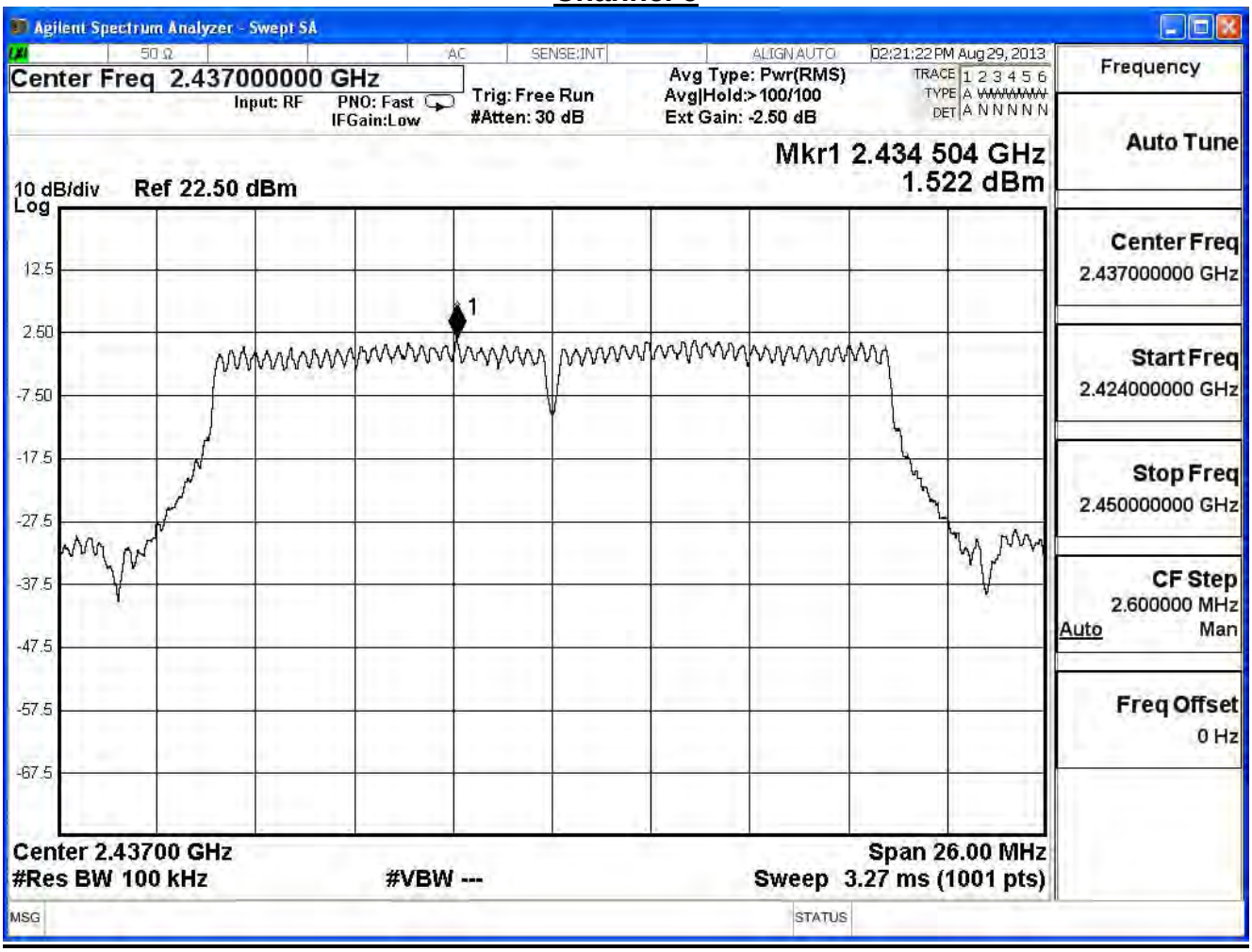
IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-1.53	-16.73	≦7.28	Pass
6	2437	1.52	-13.68	≦7.28	Pass
11	2462	-1.69	-16.89	≦7.28	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi
Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

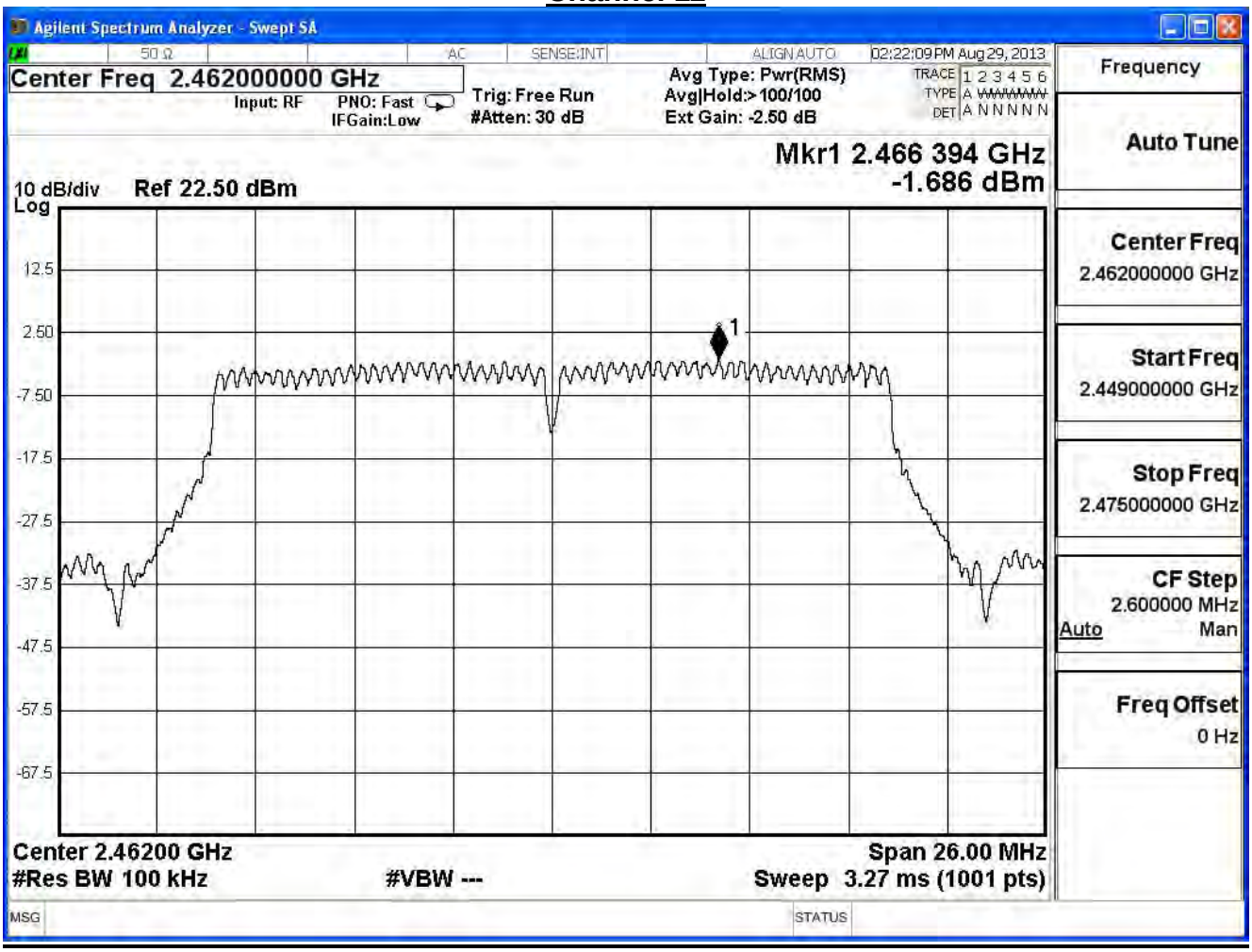
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:21:22 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.434 504 GHz
1.522 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.43700 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
Sweep 3.27 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.424000000 GHz
Stop Freq
2.450000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:22:09 PM Aug 29, 2013
Center Freq 2.462000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.466 394 GHz
-1.686 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.46200 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
Sweep 3.27 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.449000000 GHz
Stop Freq
2.475000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-13.52	≦7.28	Pass
6	2437	-10.61	≦7.28	Pass
11	2462	-13.85	≦7.28	Pass

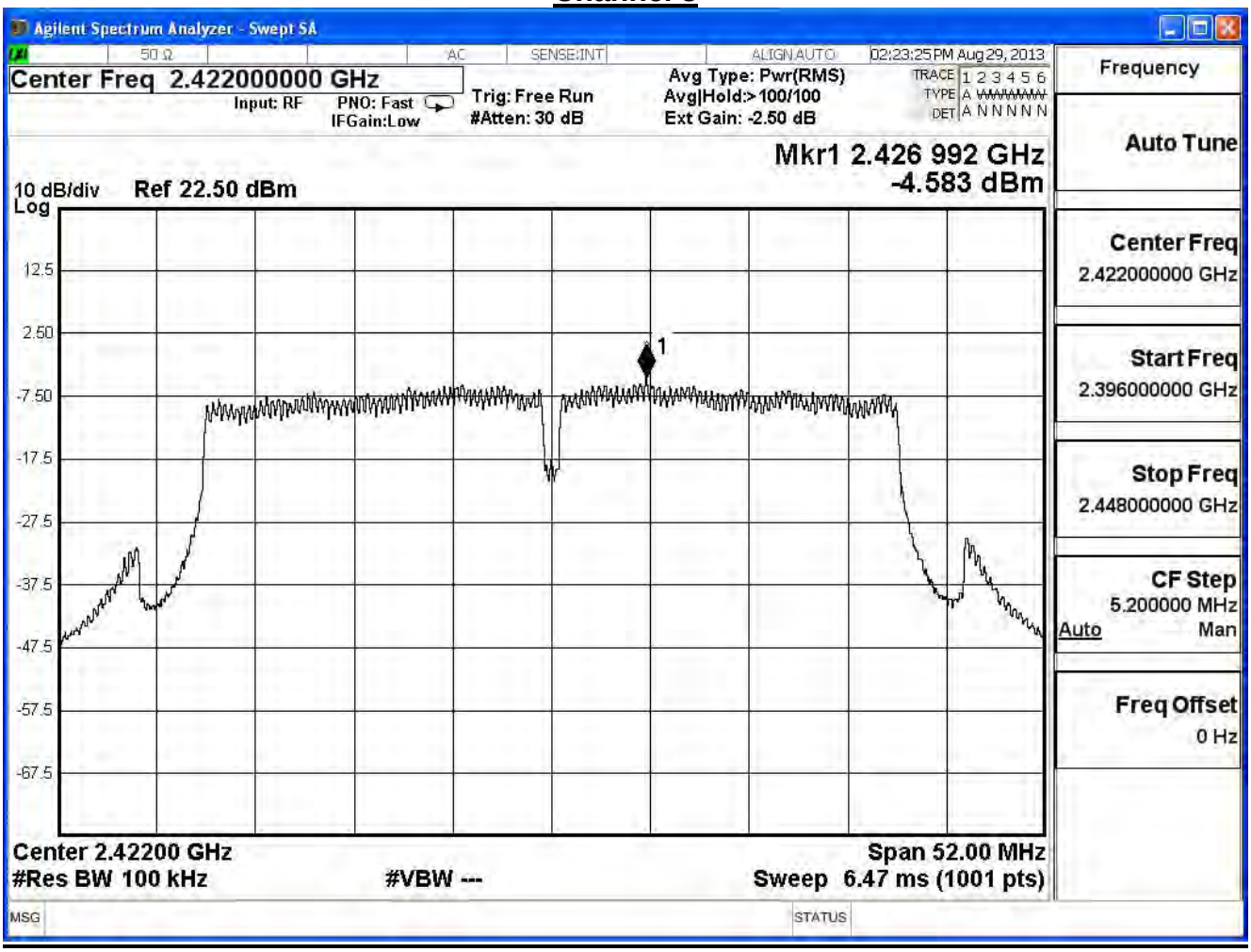
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi
Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

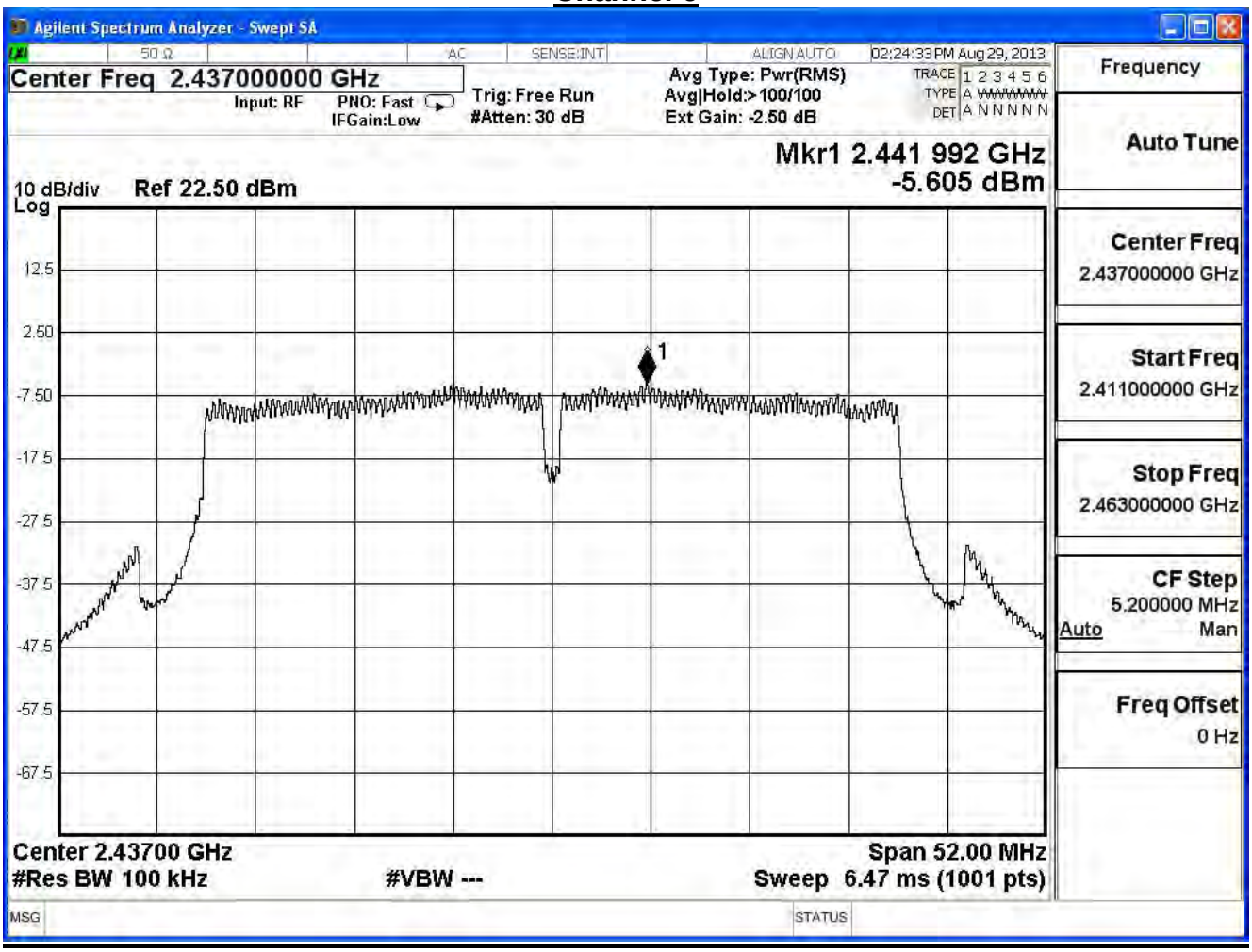
IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-4.58	-19.78	≦7.28	Pass
6	2437	-5.61	-20.81	≦7.28	Pass
9	2452	-9.83	-25.03	≦7.28	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi
Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

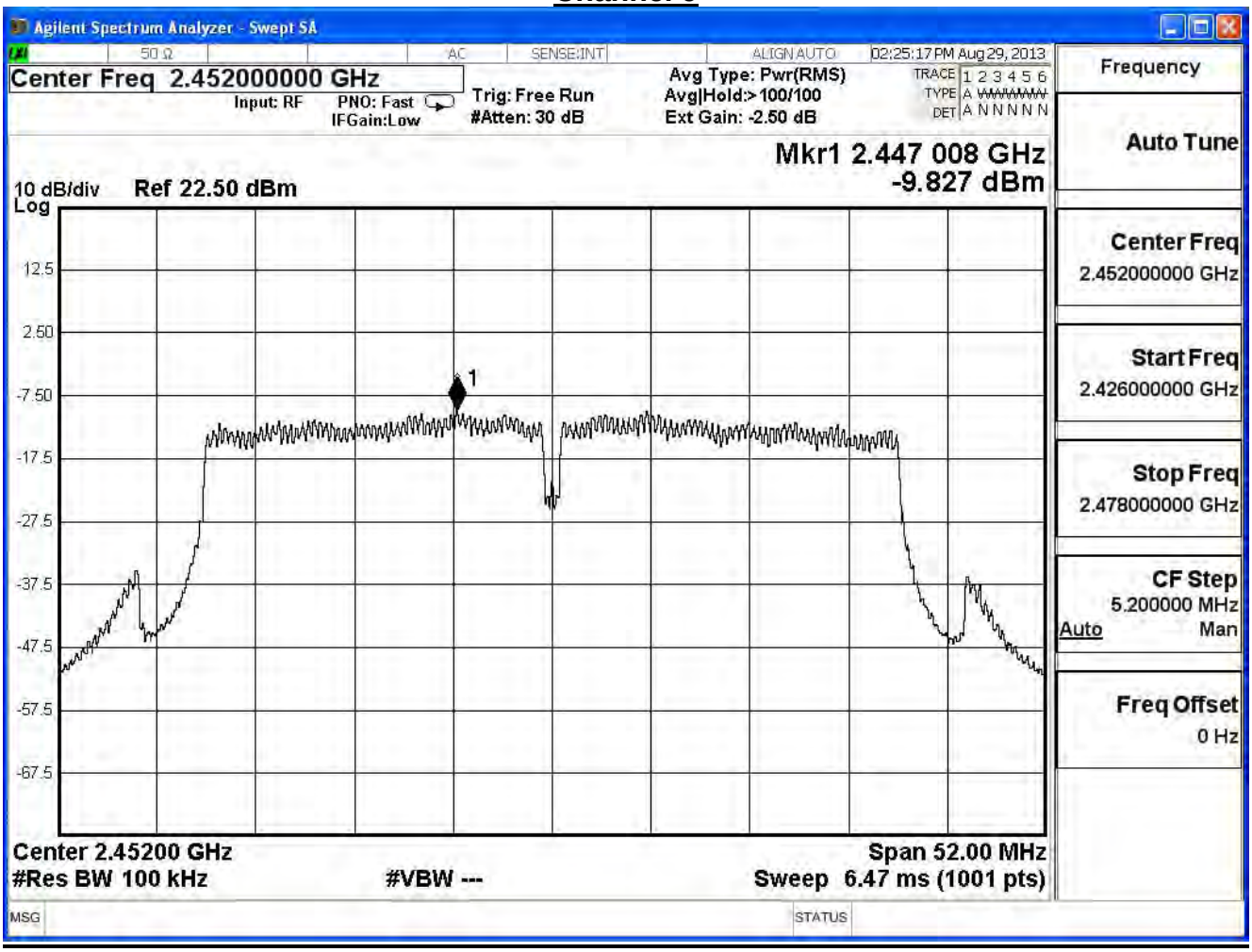
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:24:33 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.441 992 GHz
-5.605 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.43700 GHz
#Res BW 100 kHz
#VBW ---
Span 52.00 MHz
Sweep 6.47 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.411000000 GHz
Stop Freq
2.463000000 GHz
CF Step
5.200000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 9

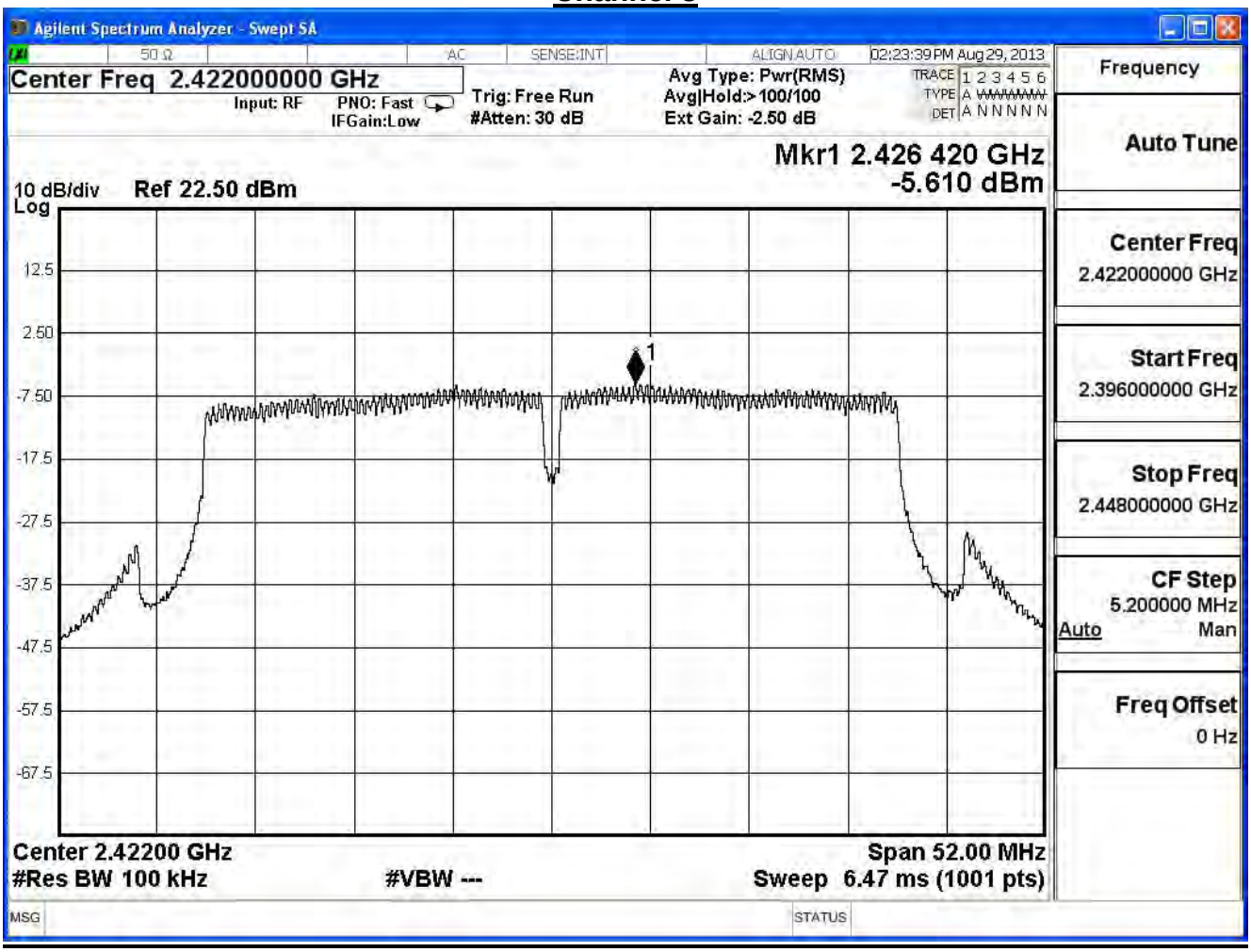

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:25:17 PM Aug 29, 2013
Center Freq 2.452000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.447 008 GHz
-9.827 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.45200 GHz
#Res BW 100 kHz
#VBW ---
Span 52.00 MHz
Sweep 6.47 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.426000000 GHz
Stop Freq
2.478000000 GHz
CF Step
5.200000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

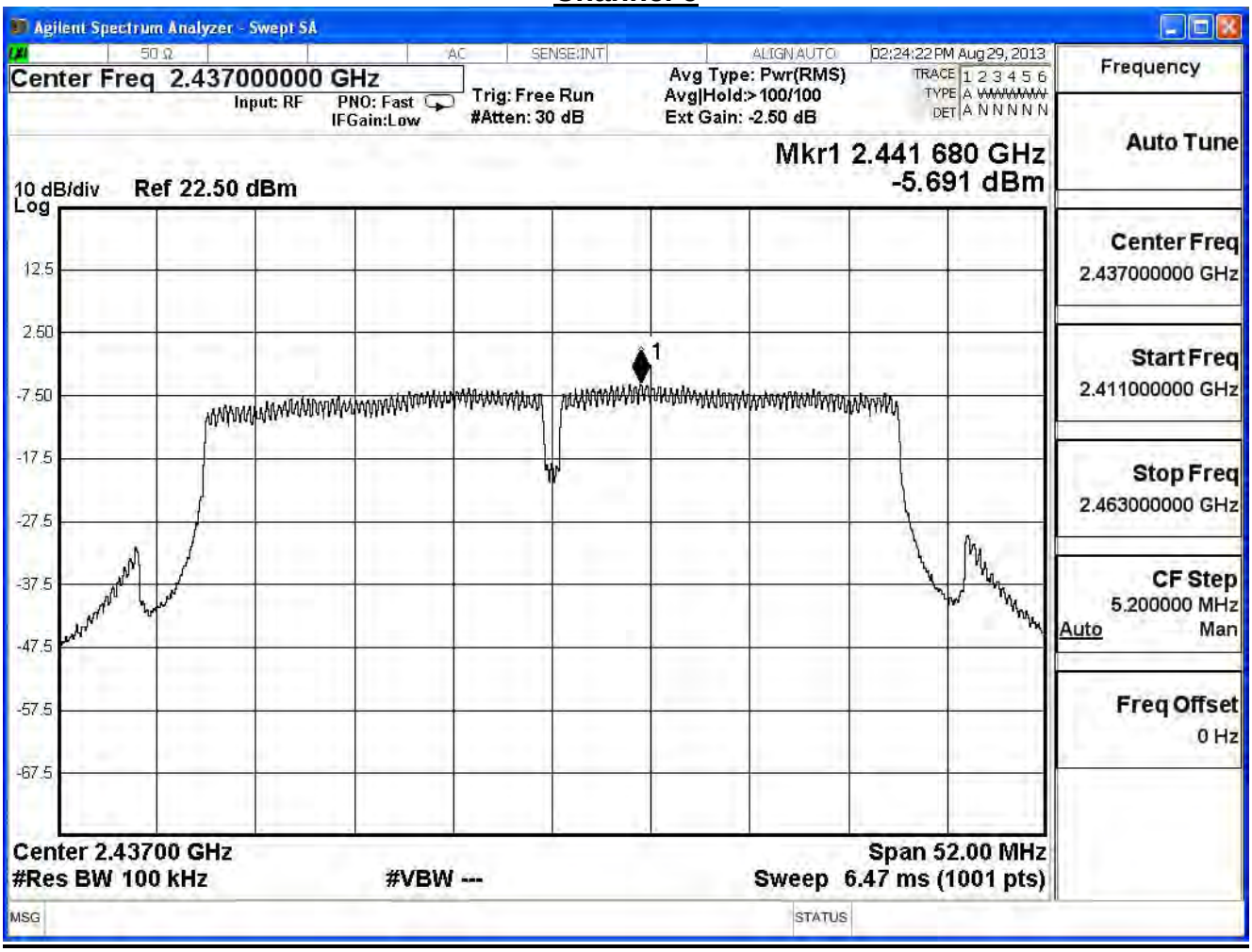
IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-5.61	-20.81	≦7.28	Pass
6	2437	-5.69	-20.89	≦7.28	Pass
9	2452	-8.47	-23.67	≦7.28	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi
Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

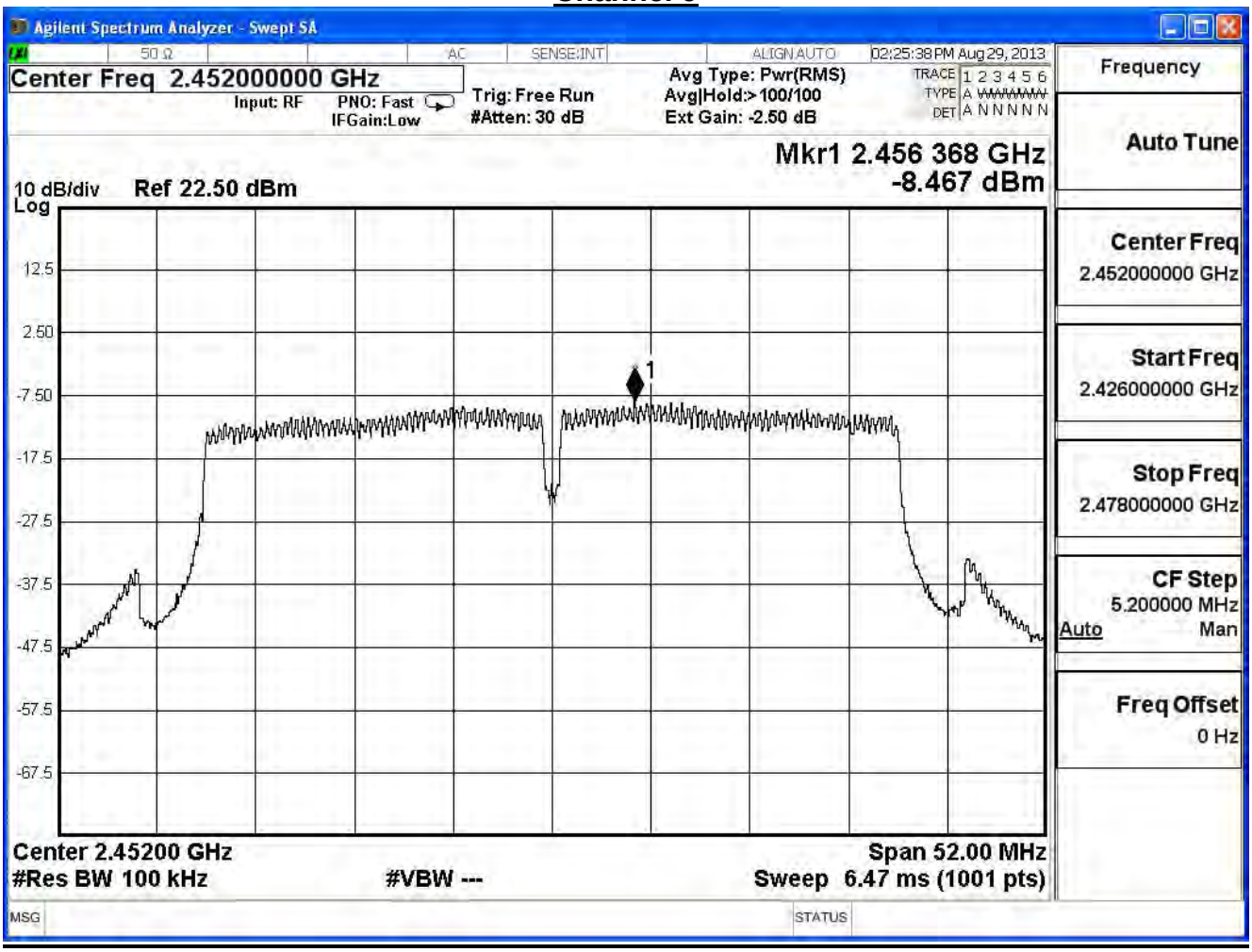
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:24:22 PM Aug 29, 2013
Center Freq 2.437000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.441 680 GHz
-5.691 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.43700 GHz
#Res BW 100 kHz
#VBW ---
Span 52.00 MHz
Sweep 6.47 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.411000000 GHz
Stop Freq
2.463000000 GHz
CF Step
5.200000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 9


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:25:38 PM Aug 29, 2013
Center Freq 2.452000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -2.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.456 368 GHz
-8.467 dBm
10 dB/div
Log
Ref 22.50 dBm
12.5
2.50
-7.50
-17.5
-27.5
-37.5
-47.5
-57.5
-67.5
1
Center 2.45200 GHz
#Res BW 100 kHz
#VBW ---
Span 52.00 MHz
Sweep 6.47 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.426000000 GHz
Stop Freq
2.478000000 GHz
CF Step
5.200000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-17.26	≦7.28	Pass
6	2437	-17.84	≦7.28	Pass
9	2452	-21.28	≦7.28	Pass

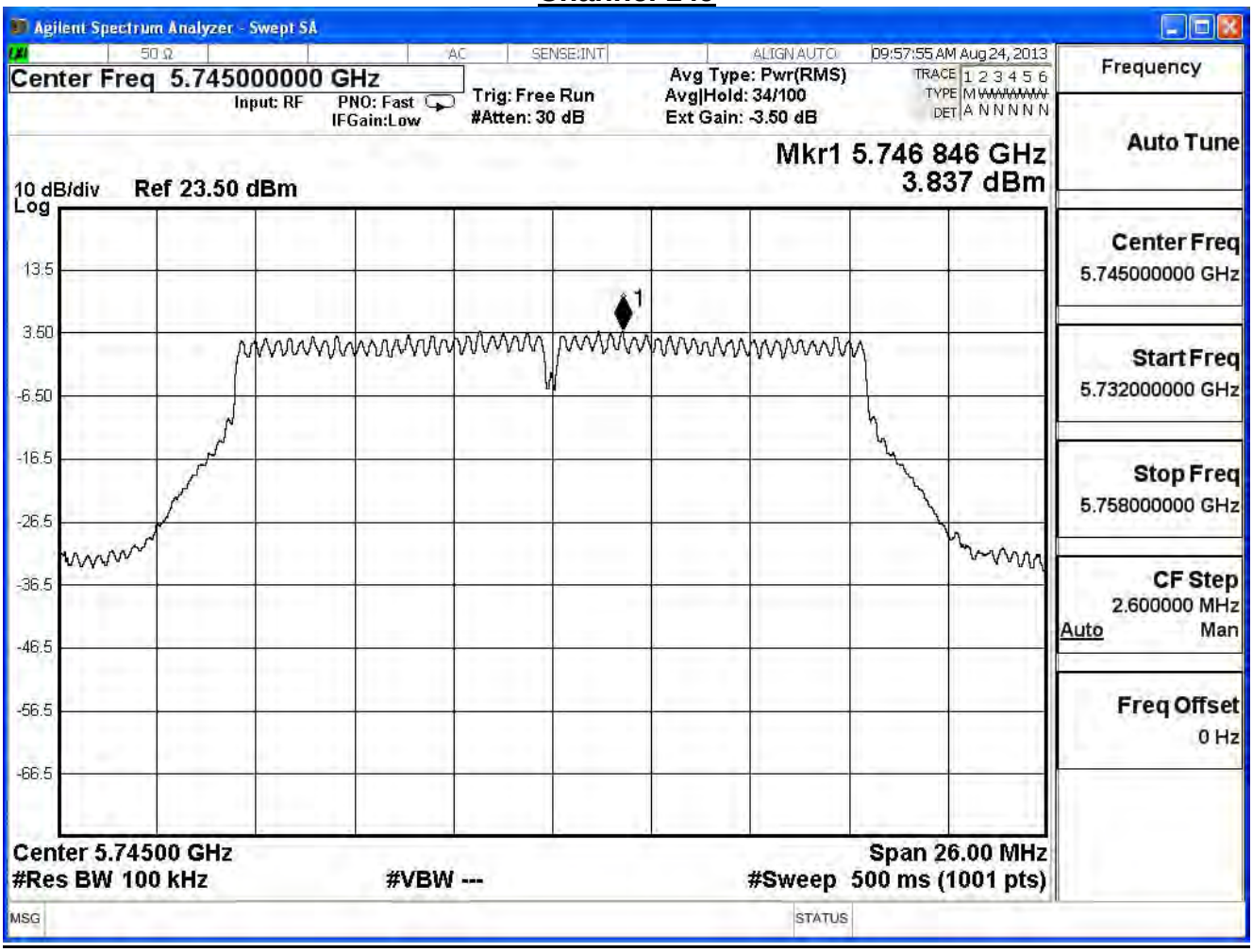
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.71dBi=6.72dBi
Limit = 8dBm - (6.72dBi-6dB) = 7.28dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

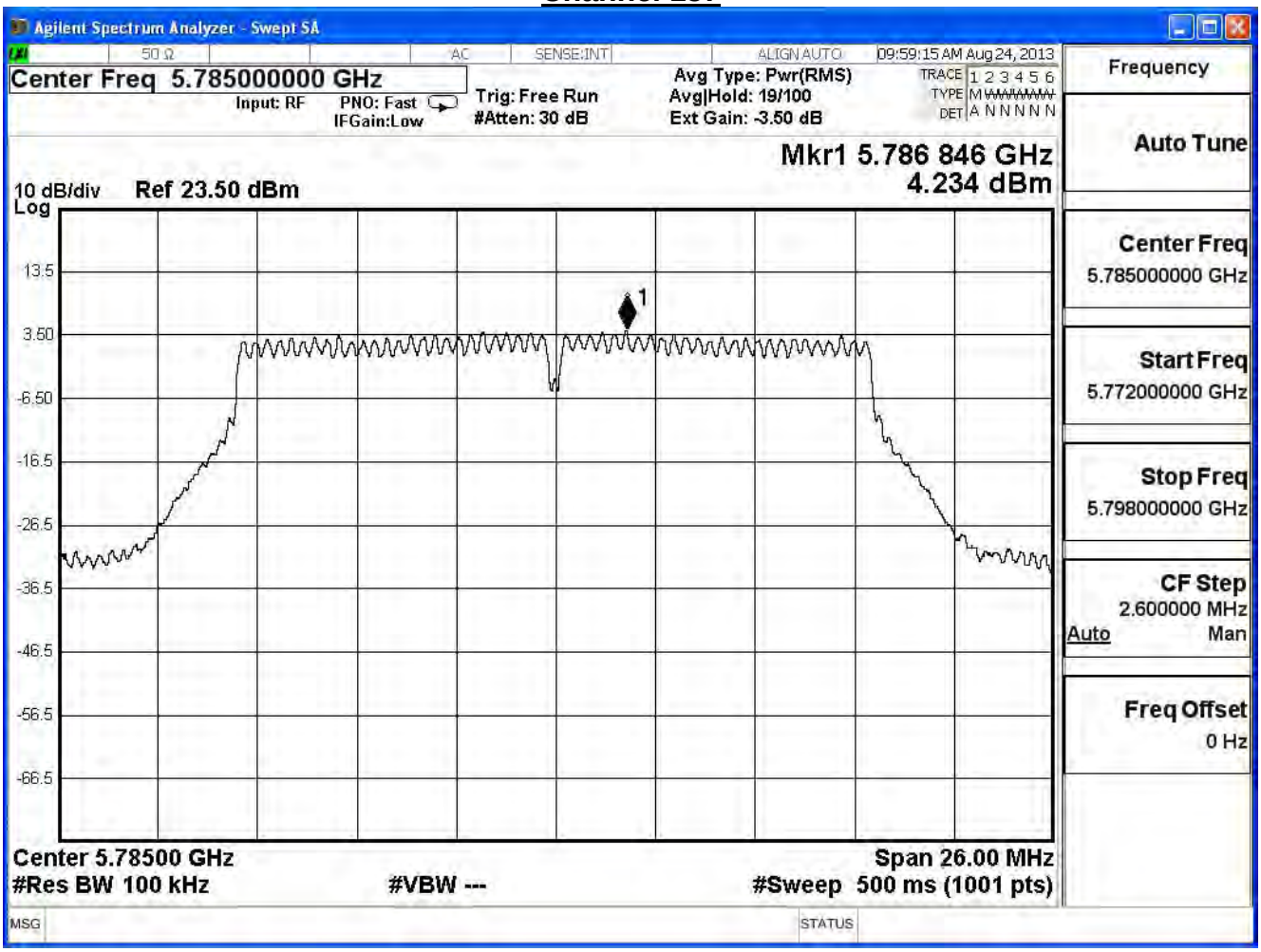
IEEE 802.11a(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	3.84	-11.36	≦7.20	Pass
157	5785	4.23	-10.97	≦7.20	Pass
165	5825	4.16	-11.04	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

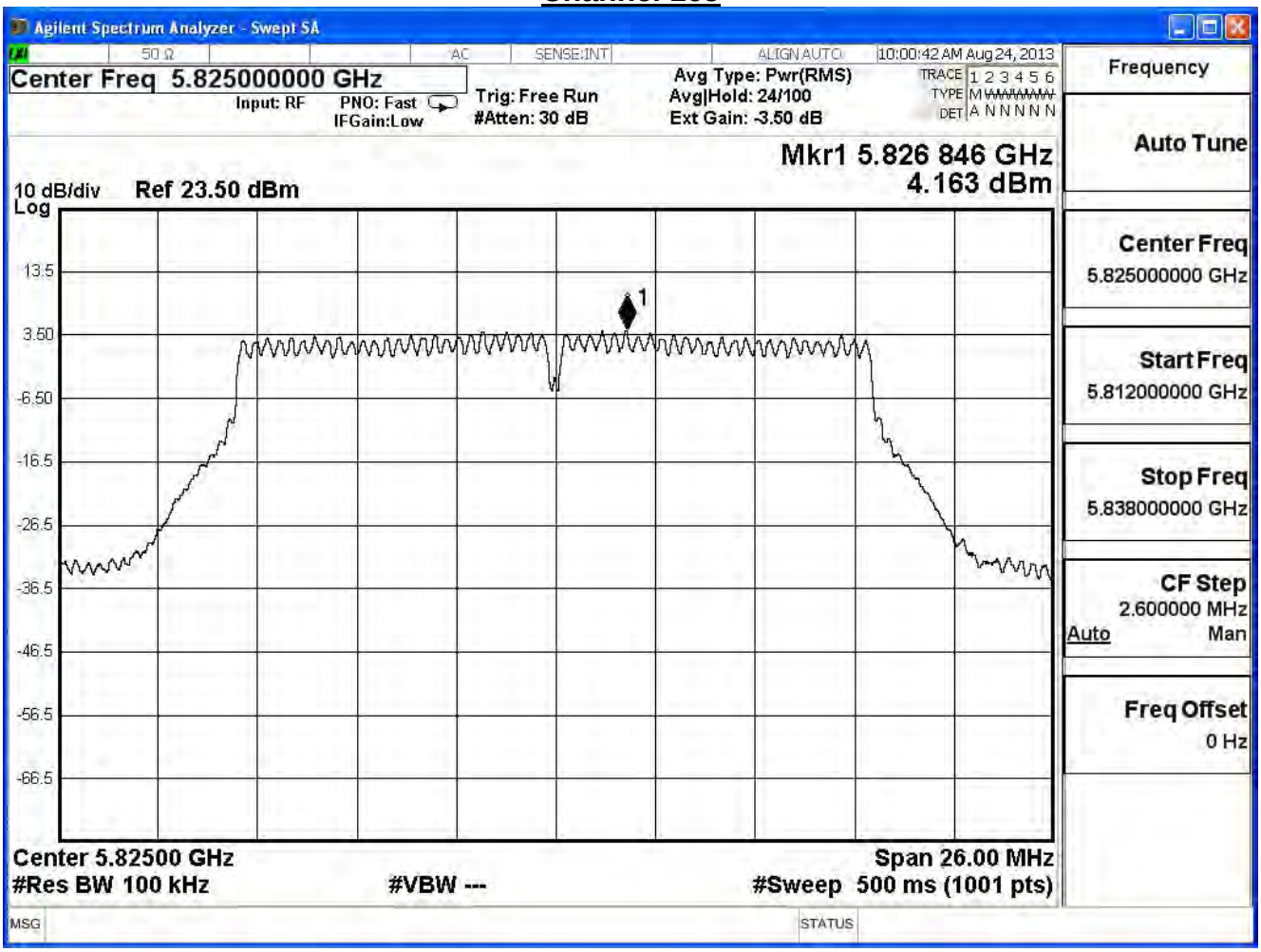
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:59:15 AM Aug 24, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 19/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET A N N N N N
Mkr1 5.786 846 GHz
4.234 dBm
10 dB/div
Log
Ref 23.50 dBm
13.5
3.50
-6.50
-16.5
-26.5
-36.5
-46.5
-56.5
-66.5
Center 5.78500 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
#Sweep 500 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Channel 165

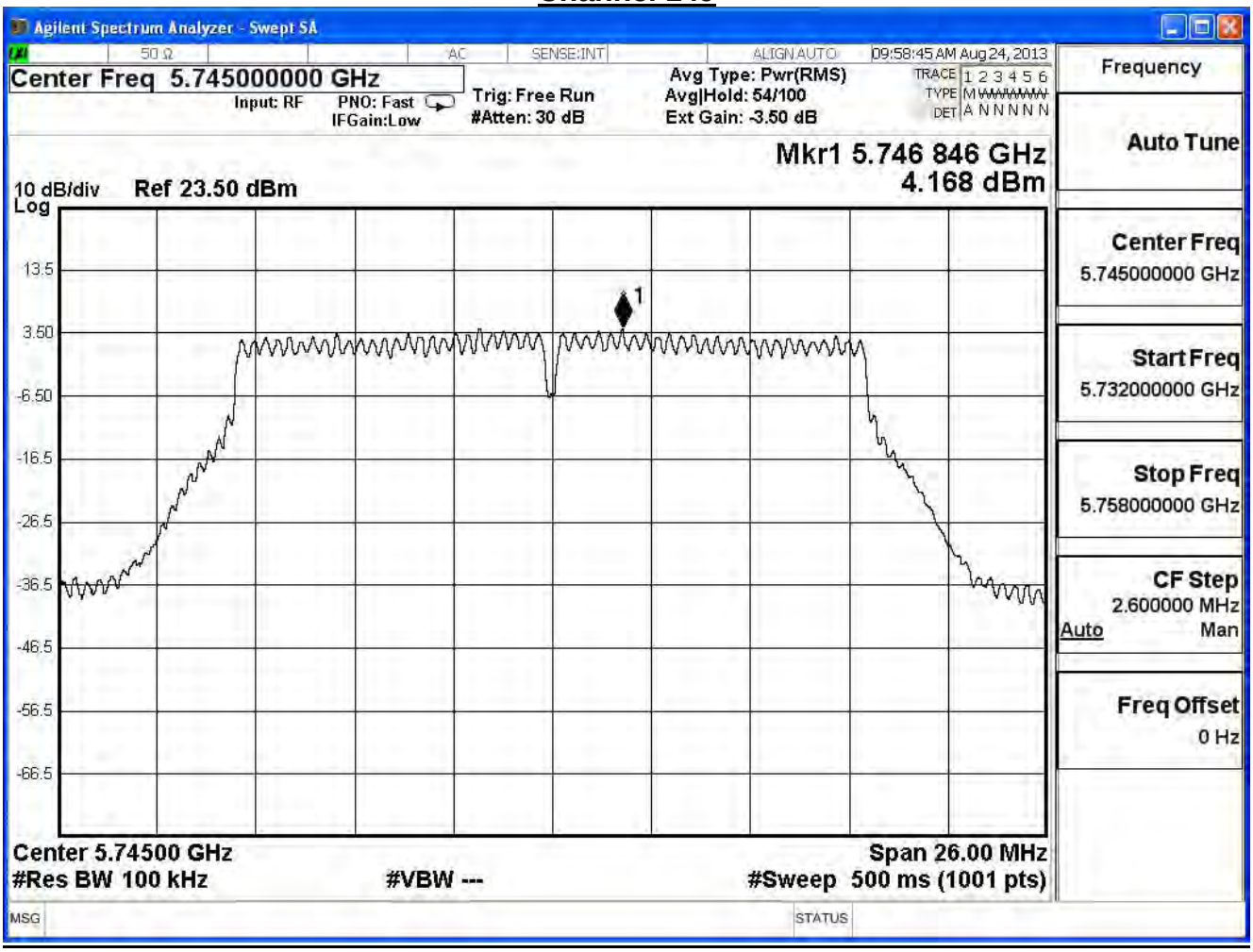

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:00:42 AM Aug 24, 2013
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 24/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET A N N N N N
Mkr1 5.826 846 GHz
4.163 dBm
10 dB/div
Log
Ref 23.50 dBm
13.5
3.50
-6.50
-16.5
-26.5
-36.5
-46.5
-56.5
-66.5
Center 5.82500 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
#Sweep 500 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.812000000 GHz
Stop Freq
5.838000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

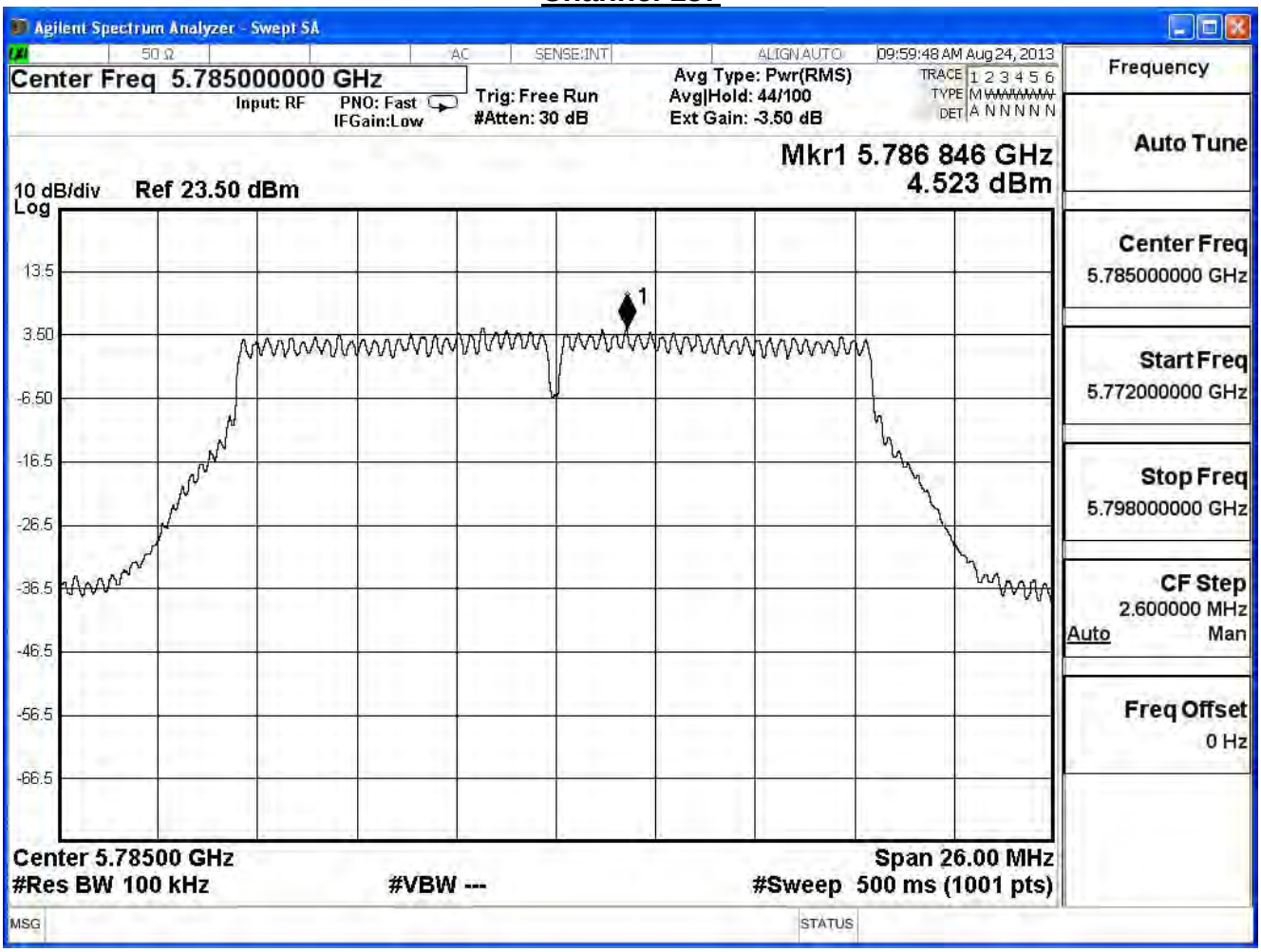
IEEE 802.11a(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	4.17	-11.03	≦7.20	Pass
157	5785	4.52	-10.68	≦7.20	Pass
165	5825	4.66	-10.54	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

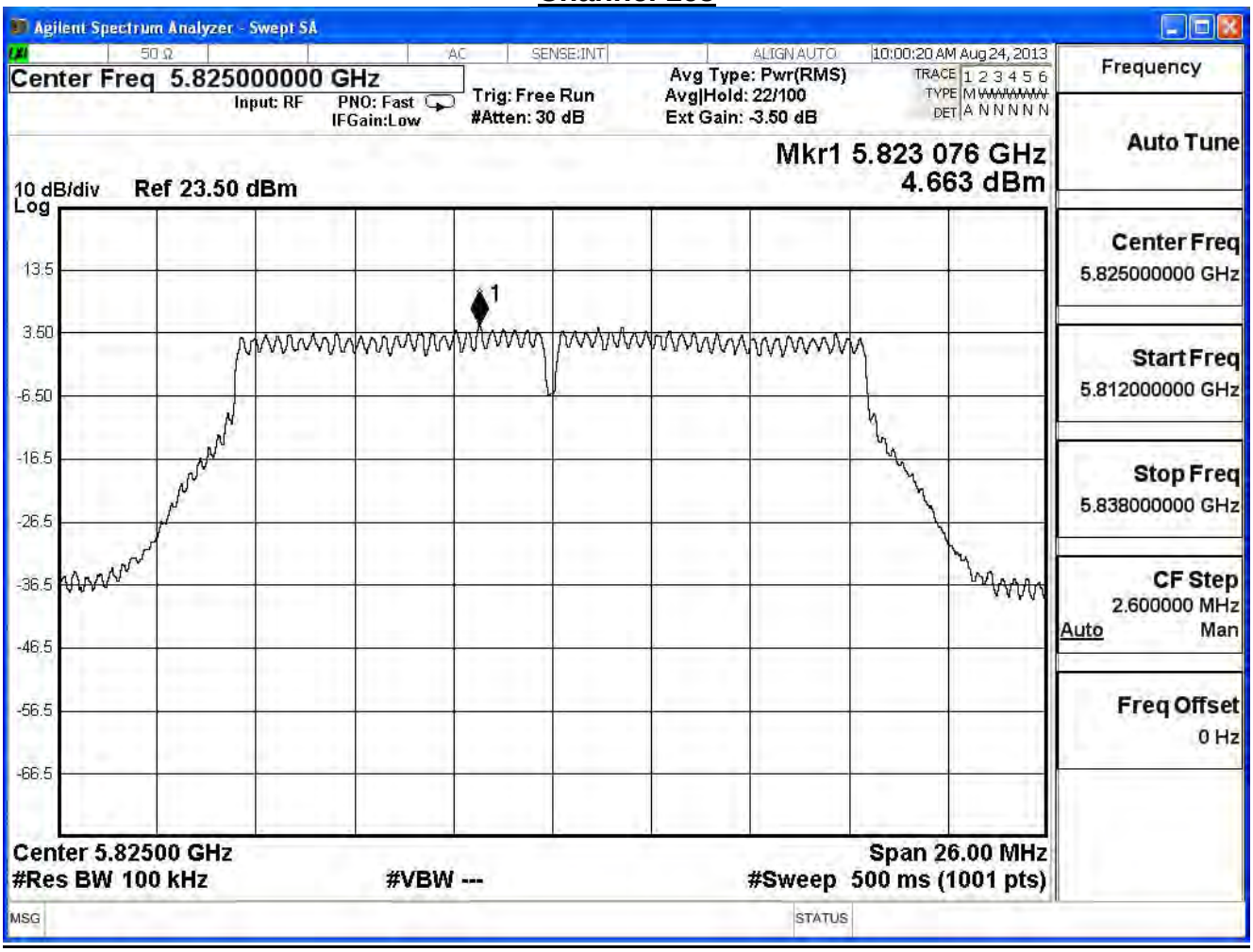
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:59:48 AM Aug 24, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 44/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET A N N N N N
Mkr1 5.786 846 GHz
4.523 dBm
10 dB/div
Log
Ref 23.50 dBm
13.5
3.50
-6.50
-16.5
-26.5
-36.5
-46.5
-56.5
-66.5
1
Center 5.78500 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
#Sweep 500 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:00:20 AM Aug 24, 2013
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 22/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET A N N N N N
Mkr1 5.823 076 GHz
4.663 dBm
10 dB/div
Log
Ref 23.50 dBm
13.5
3.50
-6.50
-16.5
-26.5
-36.5
-46.5
-56.5
-66.5
1
Center 5.82500 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
#Sweep 500 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.812000000 GHz
Stop Freq
5.838000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11a(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	-8.18	≦7.20	Pass
157	5785	-7.81	≦7.20	Pass
165	5825	-7.77	≦7.20	Pass

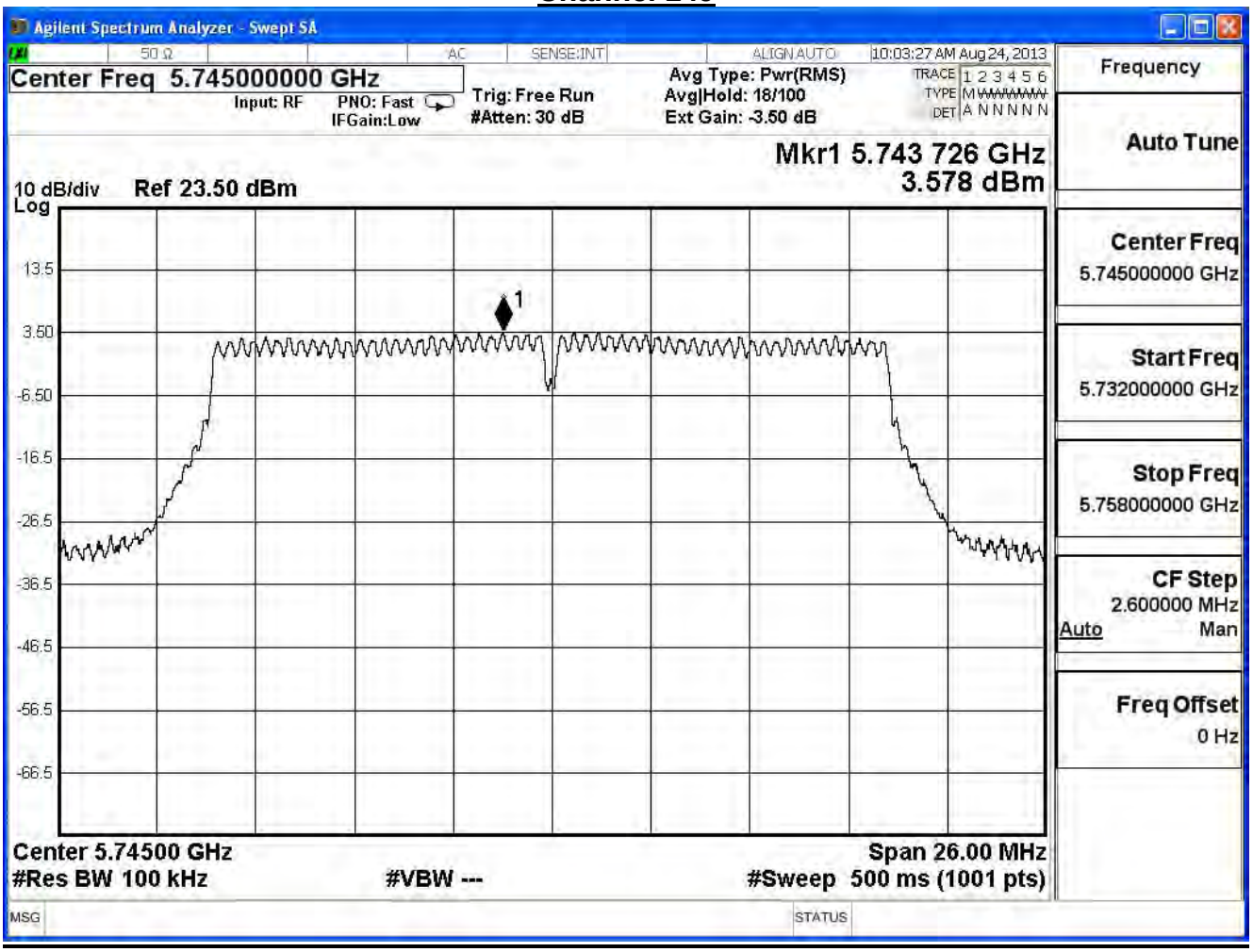
* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

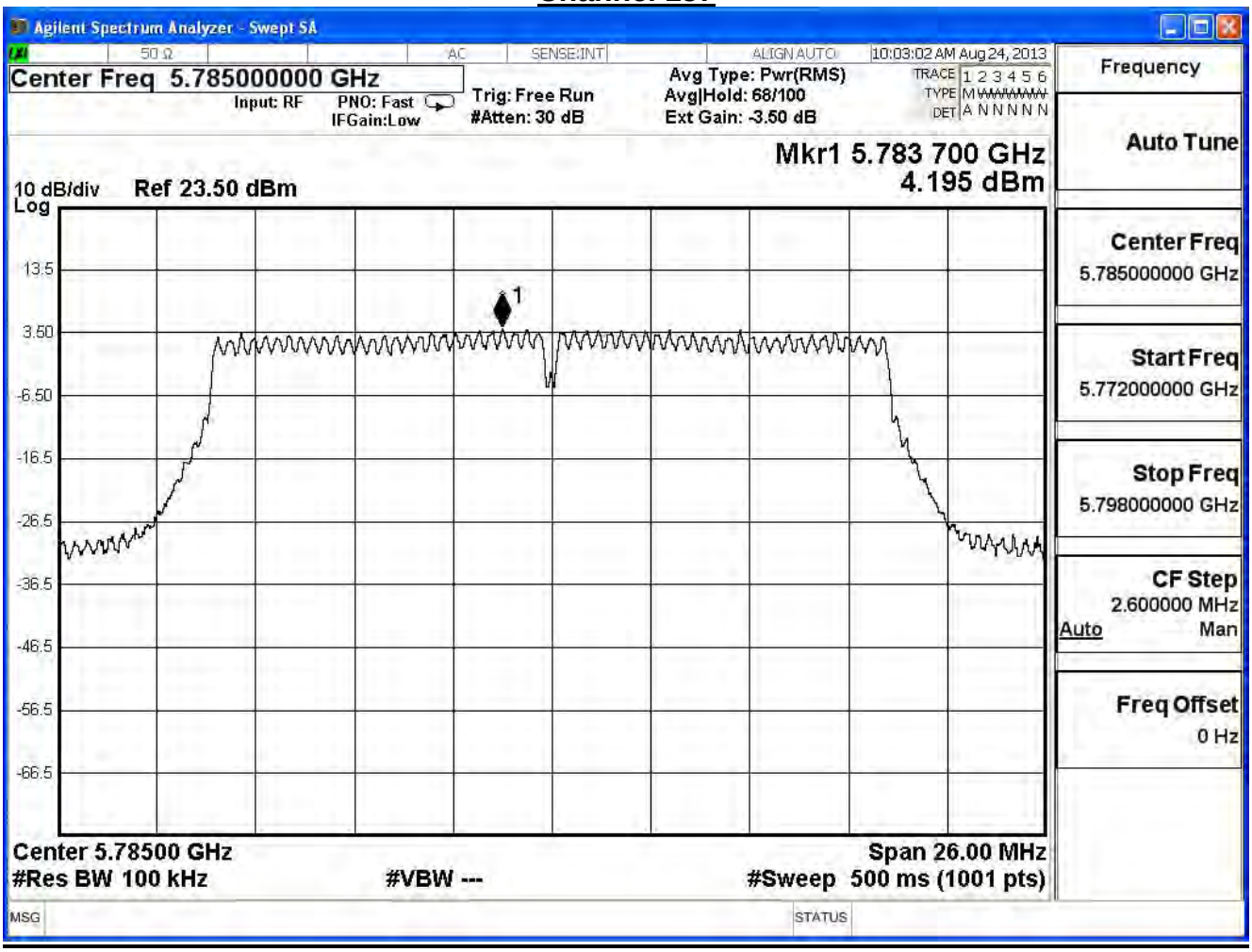
IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	3.58	-11.62	≦7.20	Pass
157	5785	4.20	-11.01	≦7.20	Pass
165	5825	4.07	-11.13	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

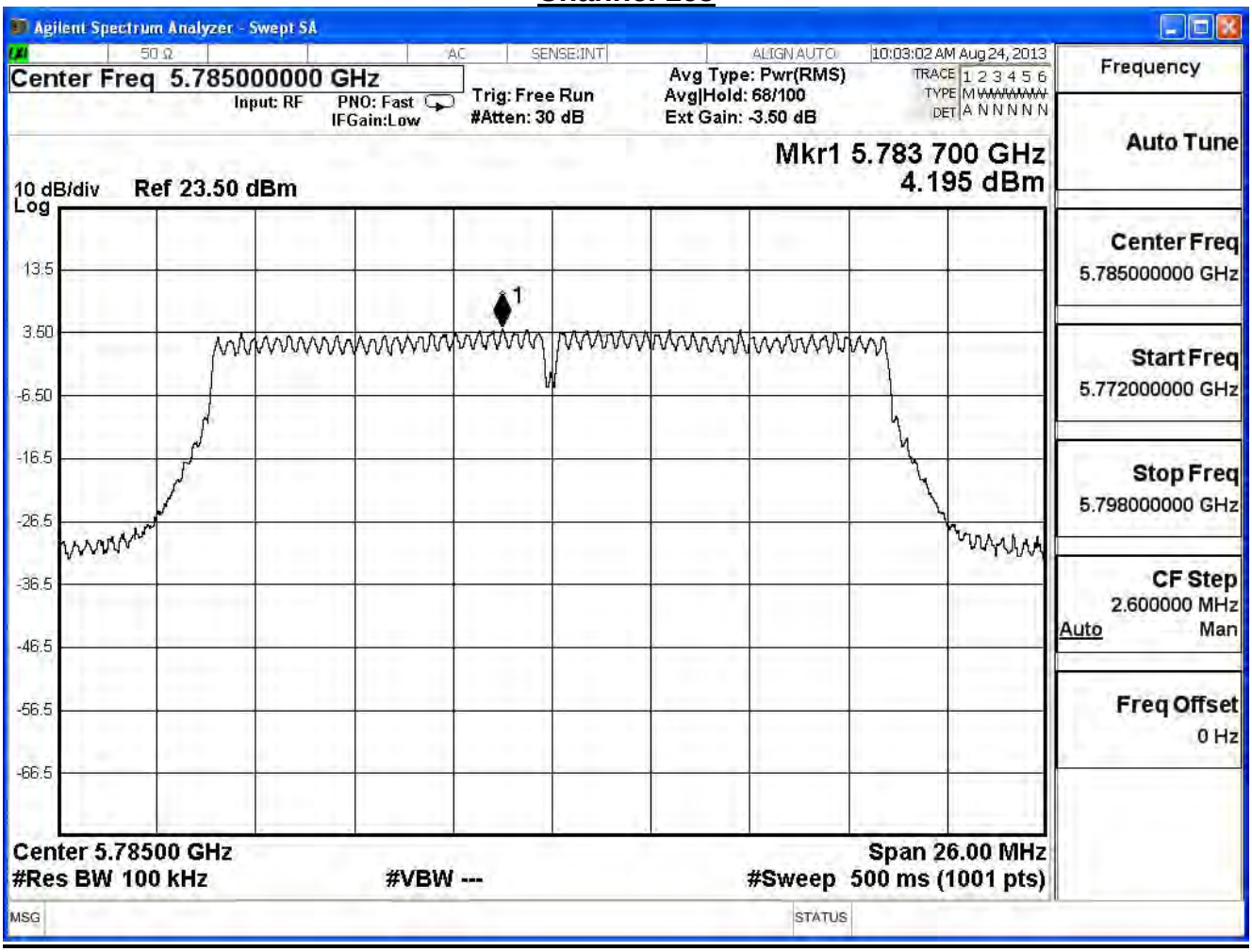
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:03:02 AM Aug 24, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 68/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET A N N N N N
Mkr1 5.783 700 GHz
4.195 dBm
10 dB/div
Log
Ref 23.50 dBm
13.5
3.50
-6.50
-16.5
-26.5
-36.5
-46.5
-56.5
-66.5
1
Center 5.78500 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
#Sweep 500 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:03:02 AM Aug 24, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 68/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET A N N N N N
Mkr1 5.783 700 GHz
4.195 dBm
10 dB/div
Log
Ref 23.50 dBm
13.5
3.50
-6.50
-16.5
-26.5
-36.5
-46.5
-56.5
-66.5
Center 5.78500 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
#Sweep 500 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

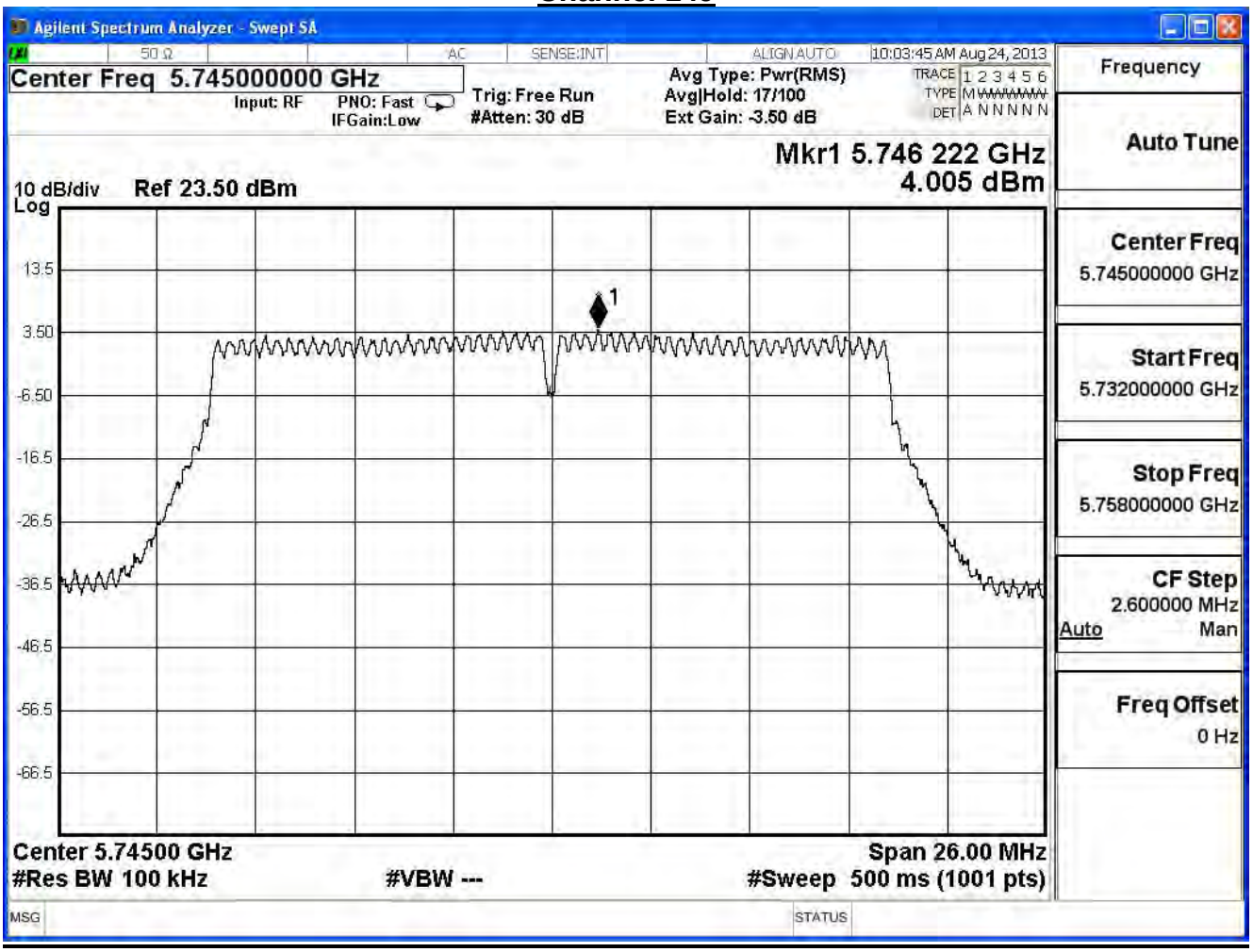
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)

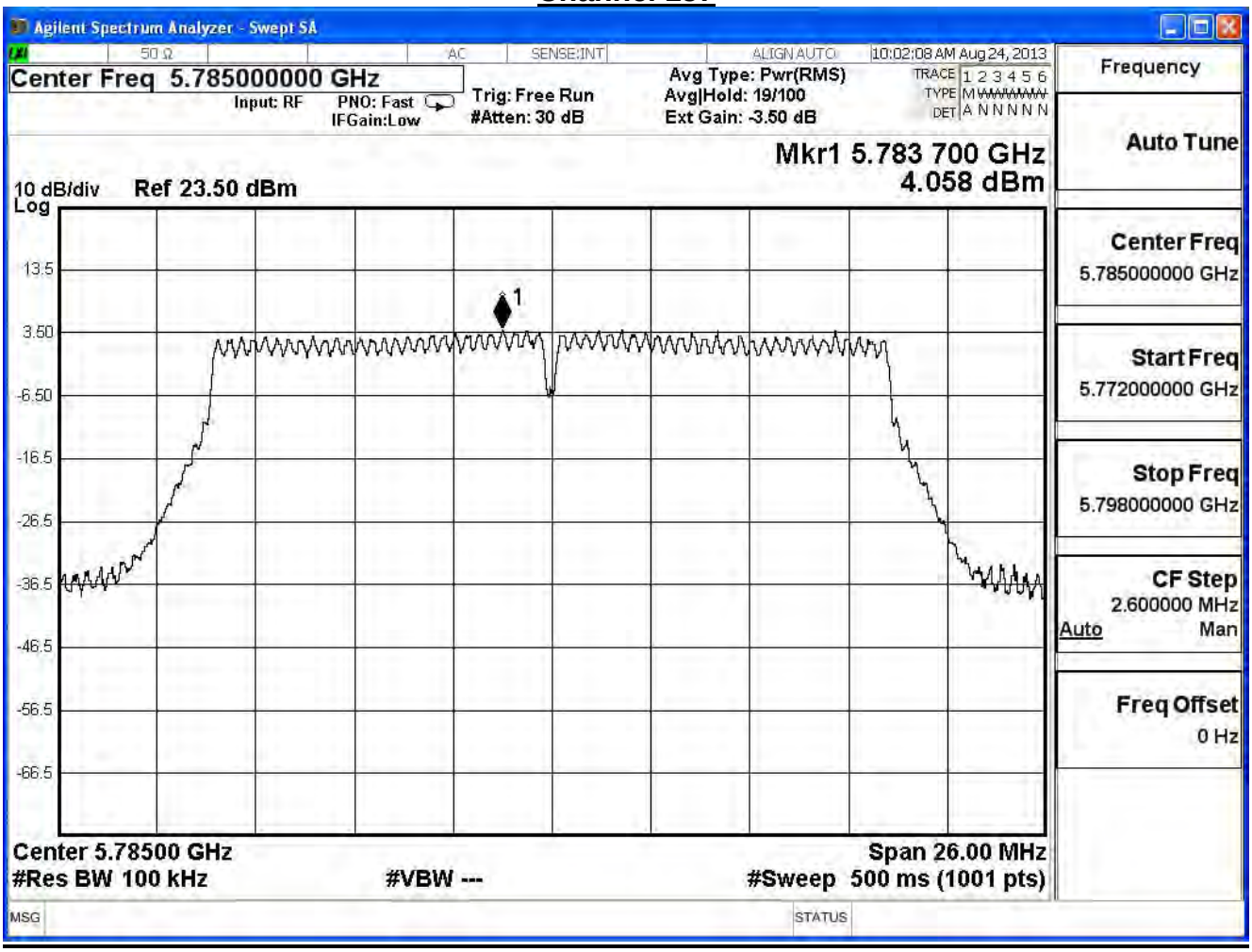
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	4.01	-11.20	≦7.20	Pass
157	5785	4.06	-11.14	≦7.20	Pass
165	5825	3.95	-11.25	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

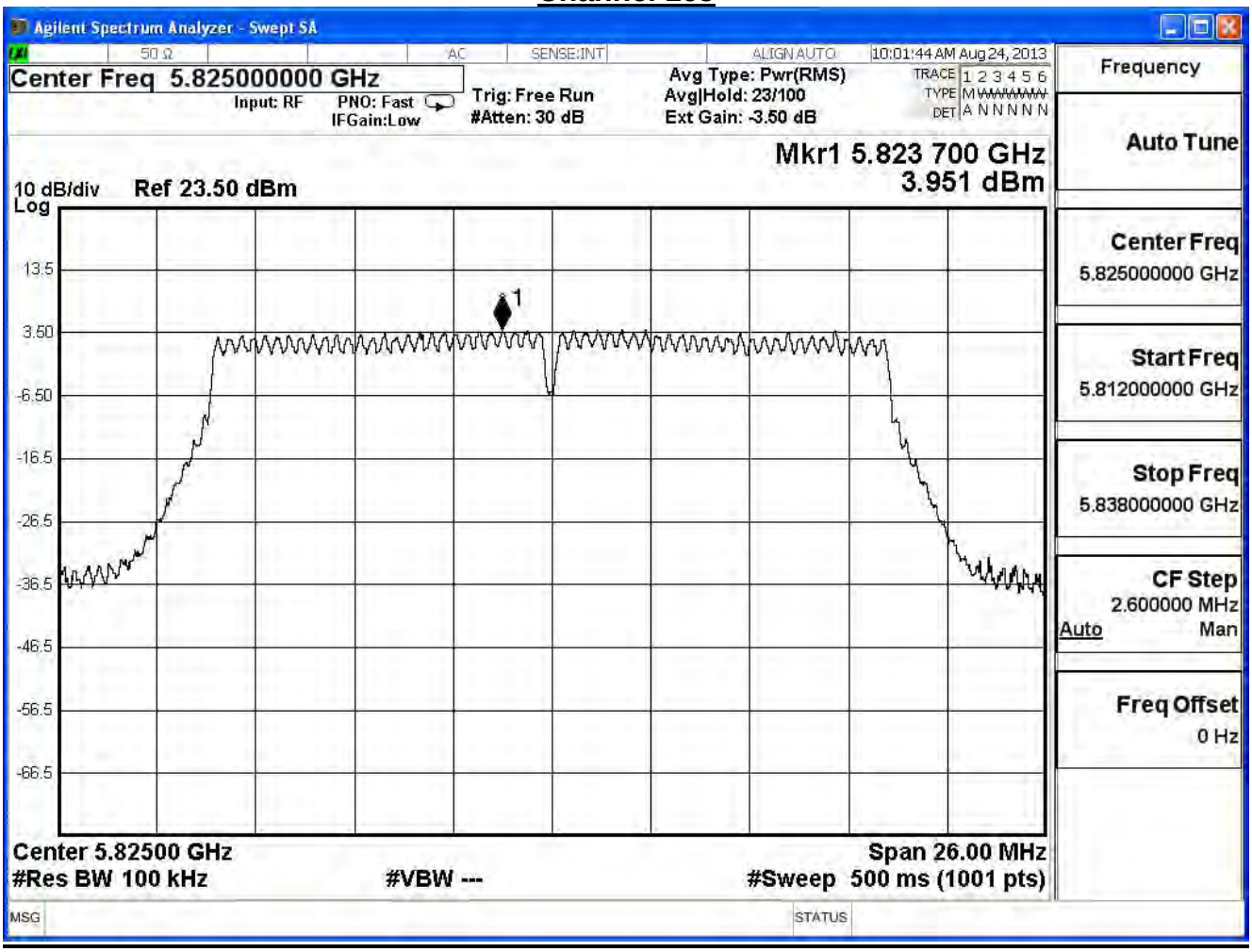
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:02:08 AM Aug 24, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 19/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET A N N N N N
Mkr1 5.783 700 GHz
4.058 dBm
10 dB/div
Log
Ref 23.50 dBm
13.5
3.50
-6.50
-16.5
-26.5
-36.5
-46.5
-56.5
-66.5
1
Center 5.78500 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
#Sweep 500 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:01:44 AM Aug 24, 2013
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 23/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET A N N N N N
Mkr1 5.823 700 GHz
3.951 dBm
10 dB/div
Log
Ref 23.50 dBm
13.5
3.50
-6.50
-16.5
-26.5
-36.5
-46.5
-56.5
-66.5
Center 5.82500 GHz
#Res BW 100 kHz
#VBW ---
Span 26.00 MHz
#Sweep 500 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.812000000 GHz
Stop Freq
5.838000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-8.39	≦7.20	Pass
157	5785	-8.06	≦7.20	Pass
165	5825	-8.18	≦7.20	Pass

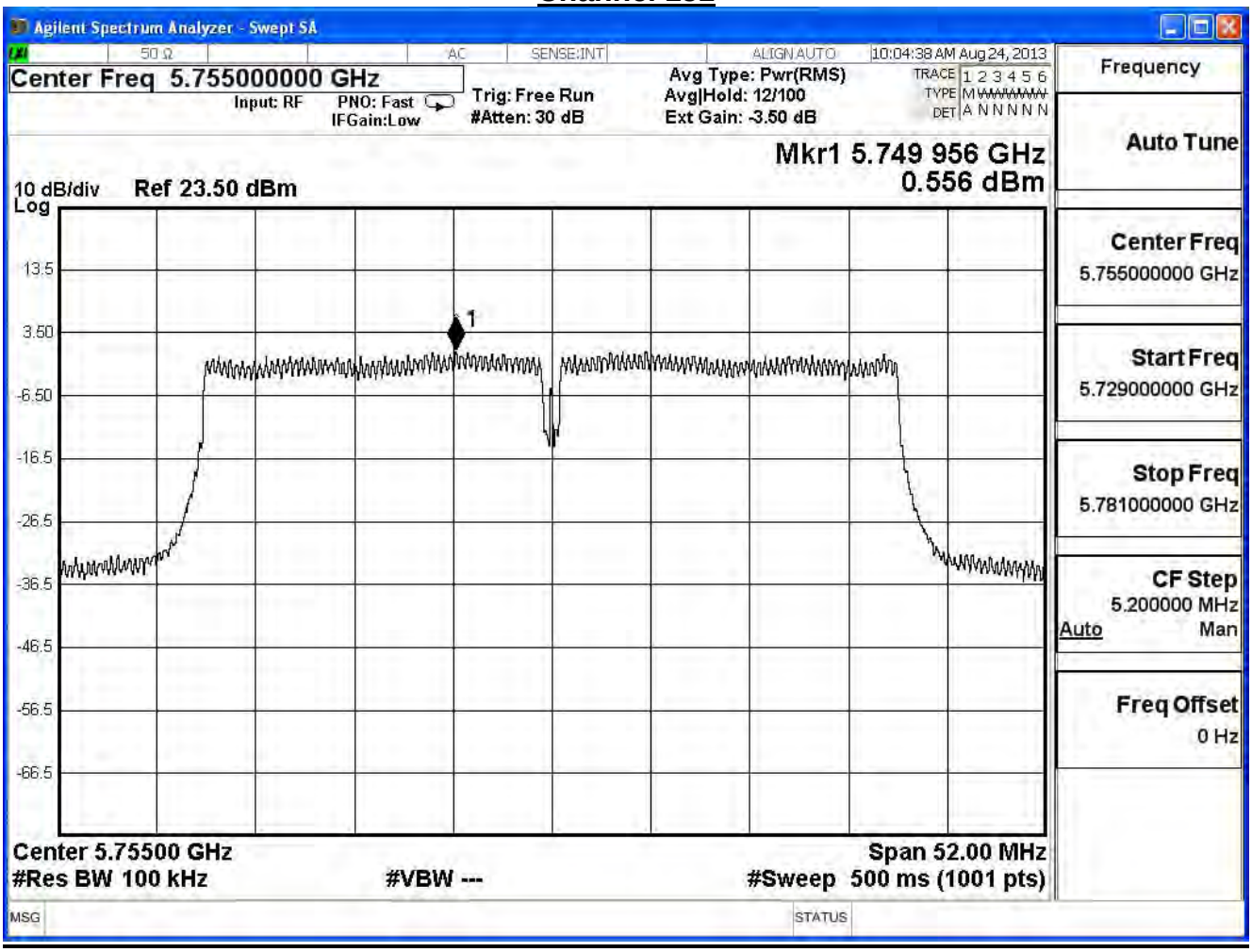
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

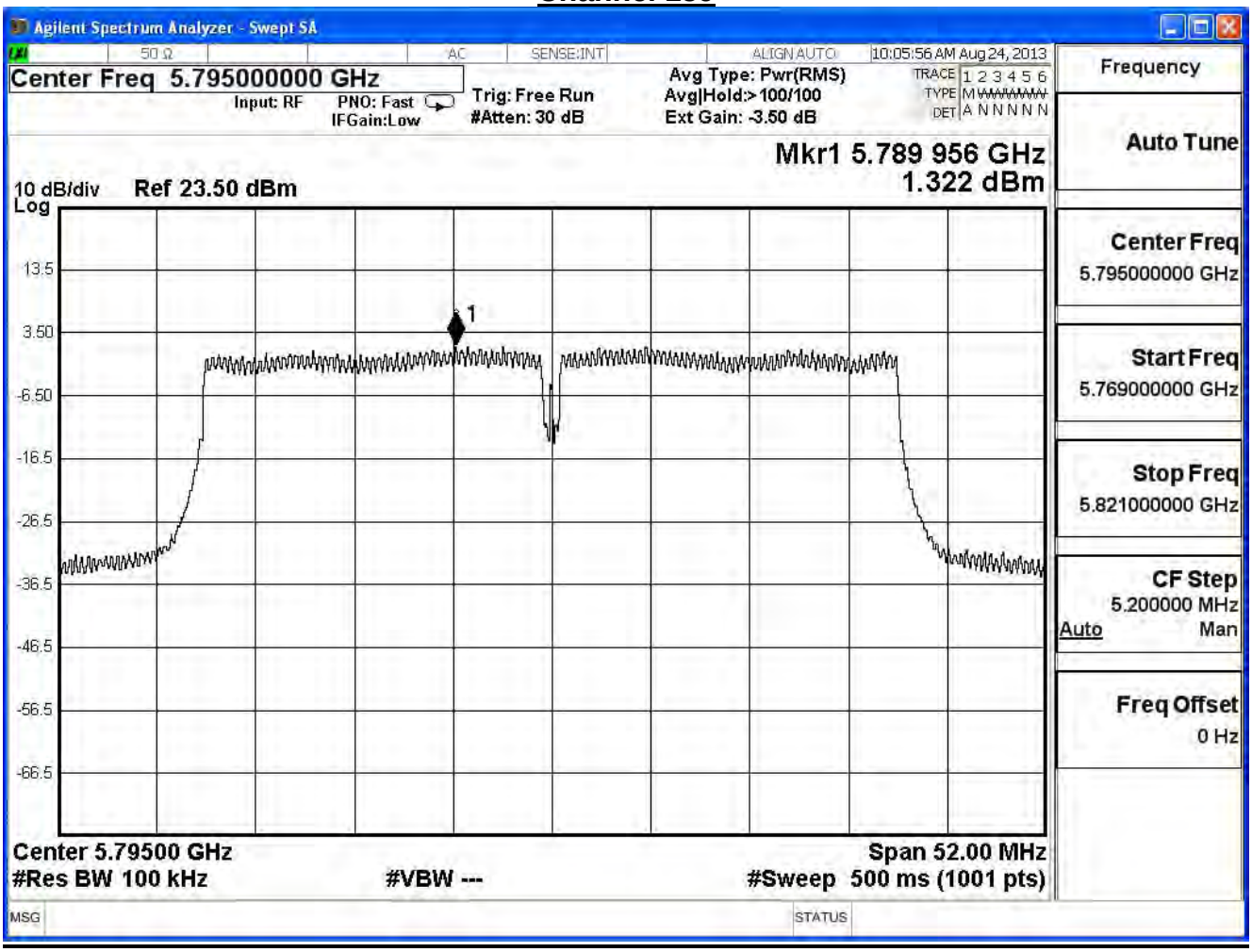
IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	0.56	-14.64	≦7.20	Pass
159	5795	1.32	-13.88	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 151



Channel 159

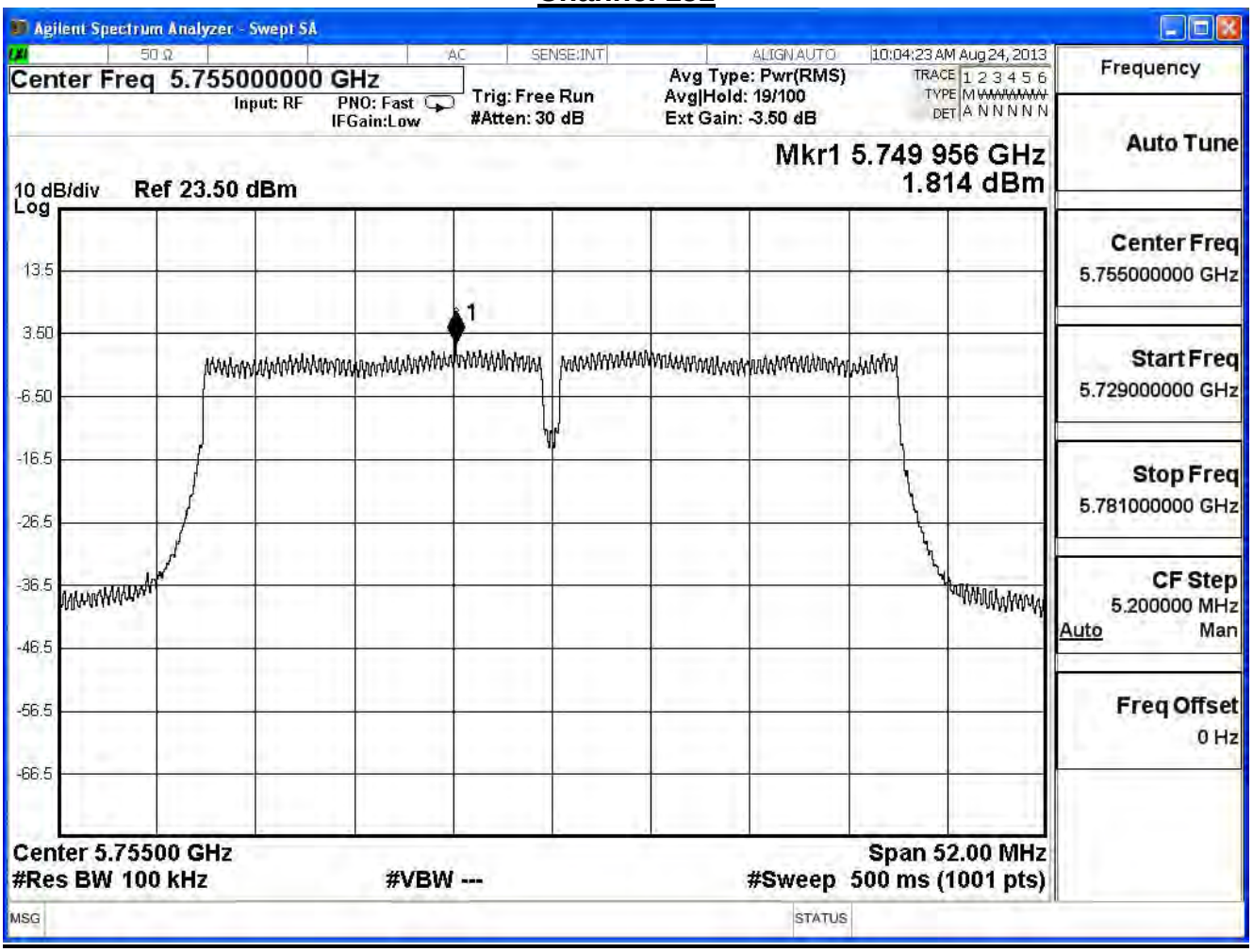

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:05:56 AM Aug 24, 2013
Center Freq 5.795000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET A N N N N N
Mkr1 5.789 956 GHz
1.322 dBm
10 dB/div
Log
Ref 23.50 dBm
13.5
3.50
-6.50
-16.5
-26.5
-36.5
-46.5
-56.5
-66.5
1
Center 5.79500 GHz
#Res BW 100 kHz
#VBW ---
Span 52.00 MHz
#Sweep 500 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.769000000 GHz
Stop Freq
5.821000000 GHz
CF Step
5.200000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

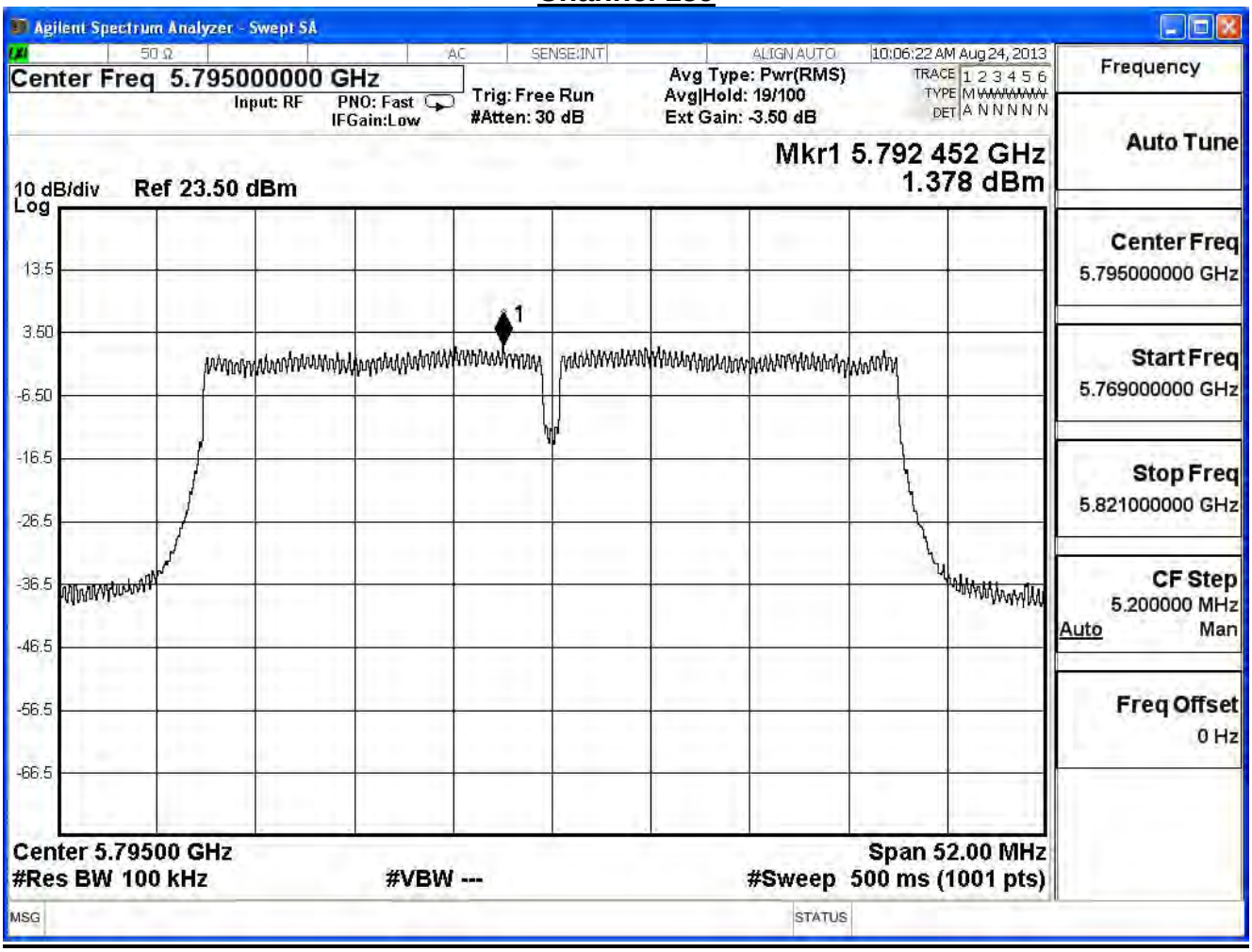
IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	1.81	-13.29	≦7.20	Pass
159	5795	1.38	-13.82	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 151



Channel 159


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:06:22 AM Aug 24, 2013
Center Freq 5.795000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold: 19/100
Ext Gain: -3.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET A N N N N N
Mkr1 5.792 452 GHz
1.378 dBm
10 dB/div
Log
Ref 23.50 dBm
13.5
3.50
-6.50
-16.5
-26.5
-36.5
-46.5
-56.5
-66.5
Center 5.79500 GHz
#Res BW 100 kHz
#VBW ---
Span 52.00 MHz
#Sweep 500 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.769000000 GHz
Stop Freq
5.821000000 GHz
CF Step
5.200000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-10.90	≦7.20	Pass
159	5795	-10.84	≦7.20	Pass

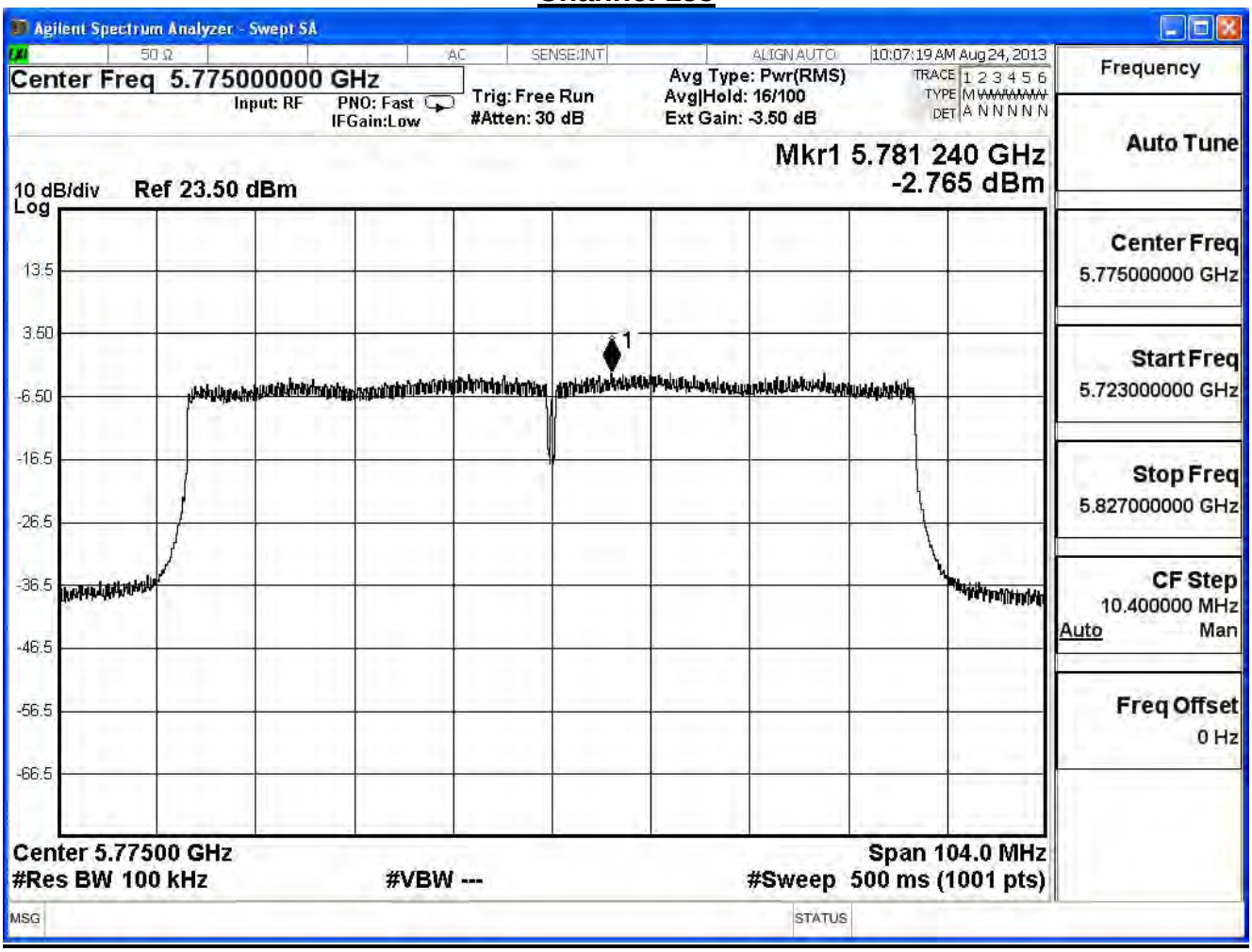
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	-2.77	-17.97	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 155

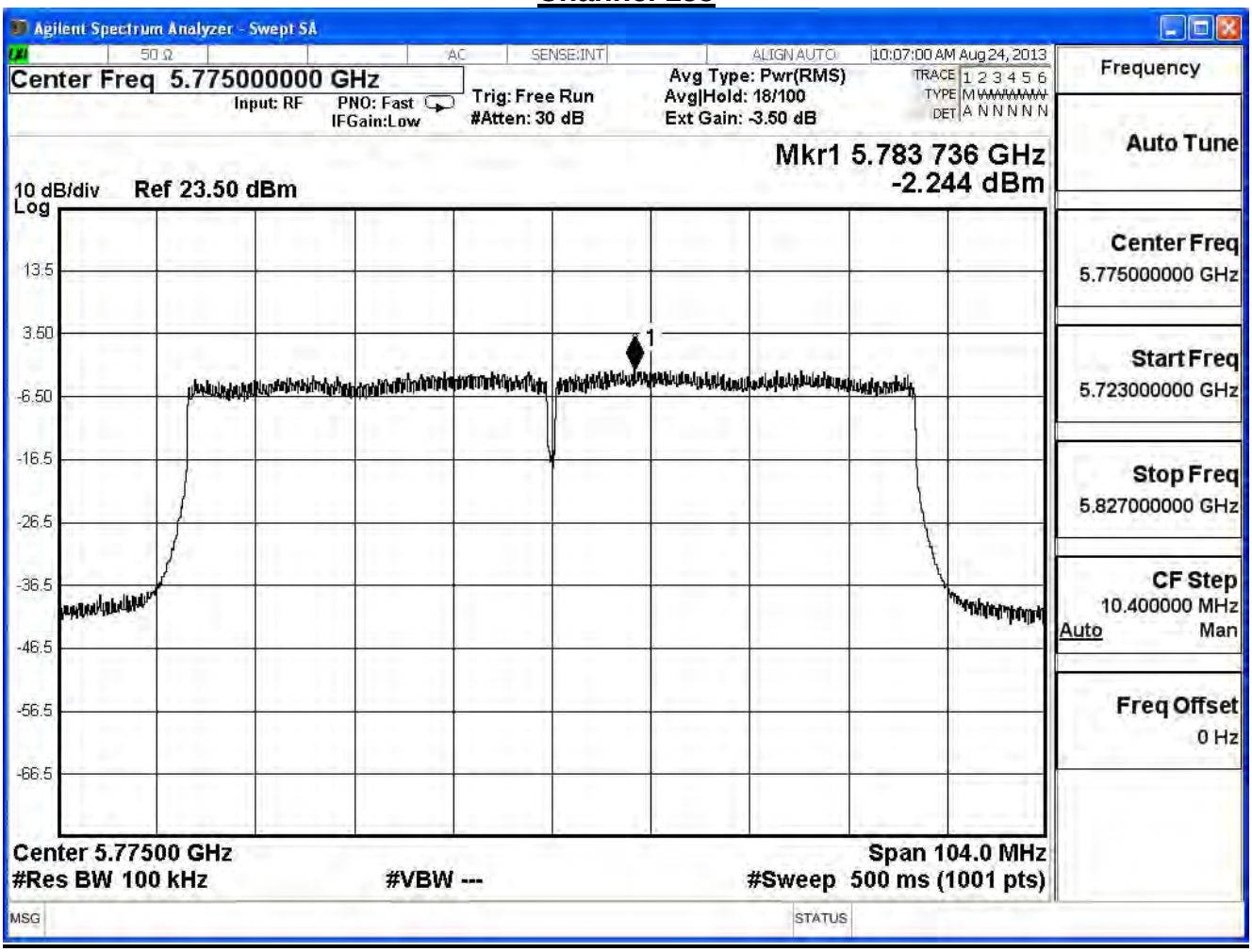


Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	-2.24	-17.44	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 155



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 1:Transmit (CDD mode)		
Date of Test	2013/08/29	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-14.69	≦7.20	Pass

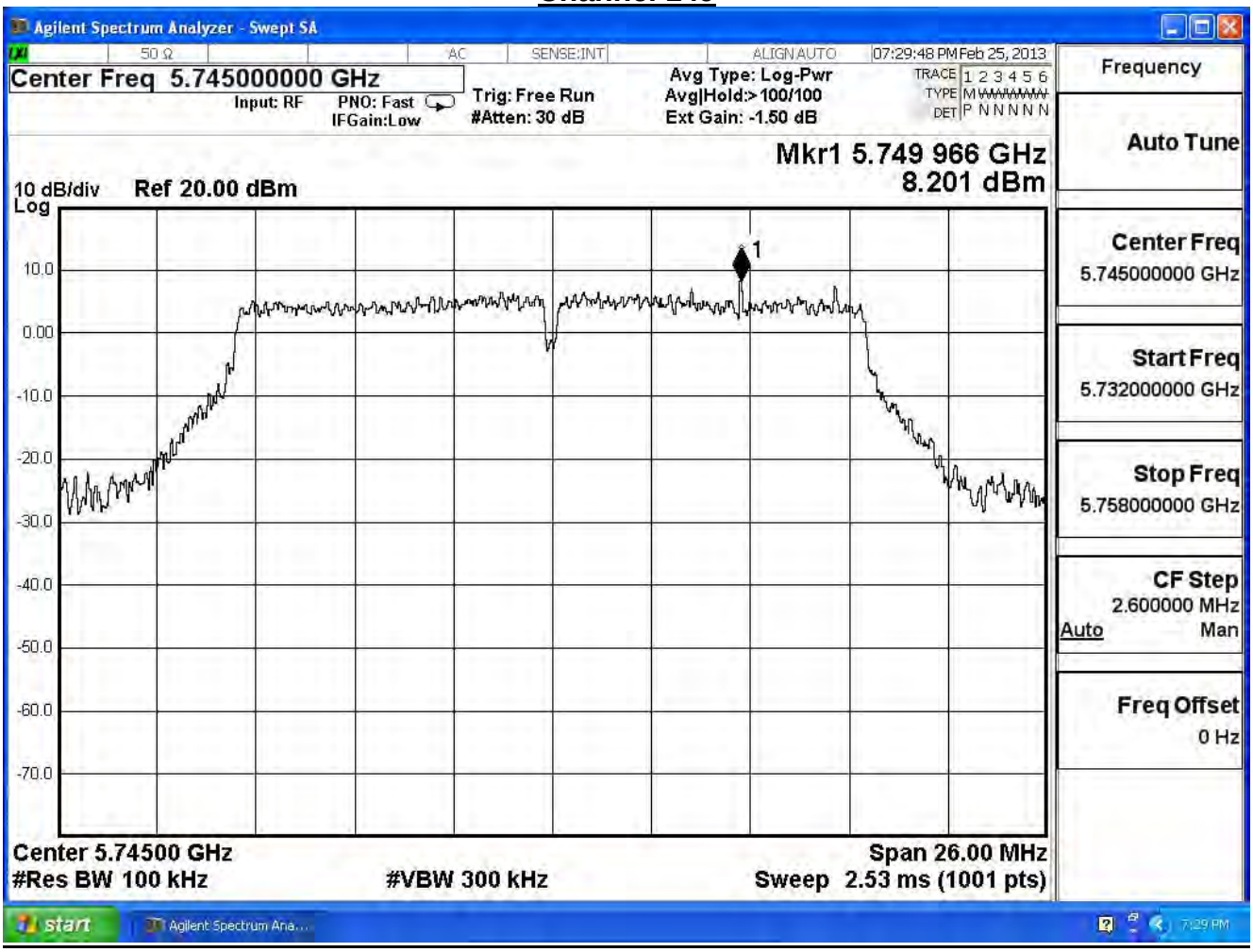
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/02/25	Test Site	SR7

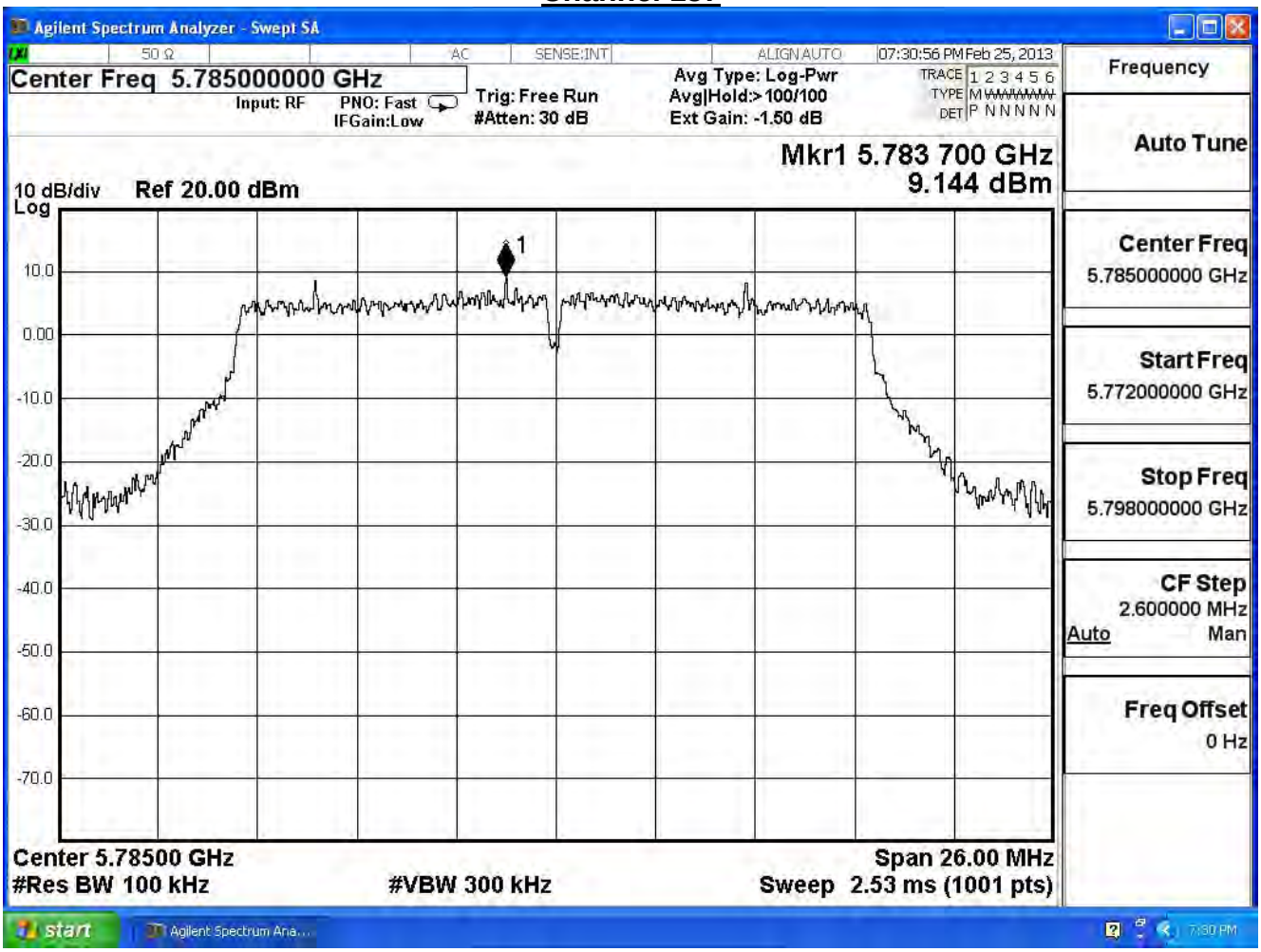
IEEE 802.11a					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	8.201	-6.999	≦7.20	Pass
157	5785	9.144	-6.056	≦7.20	Pass
165	5825	8.711	-6.489	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=Beamforming Gain + Max Gain = 6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

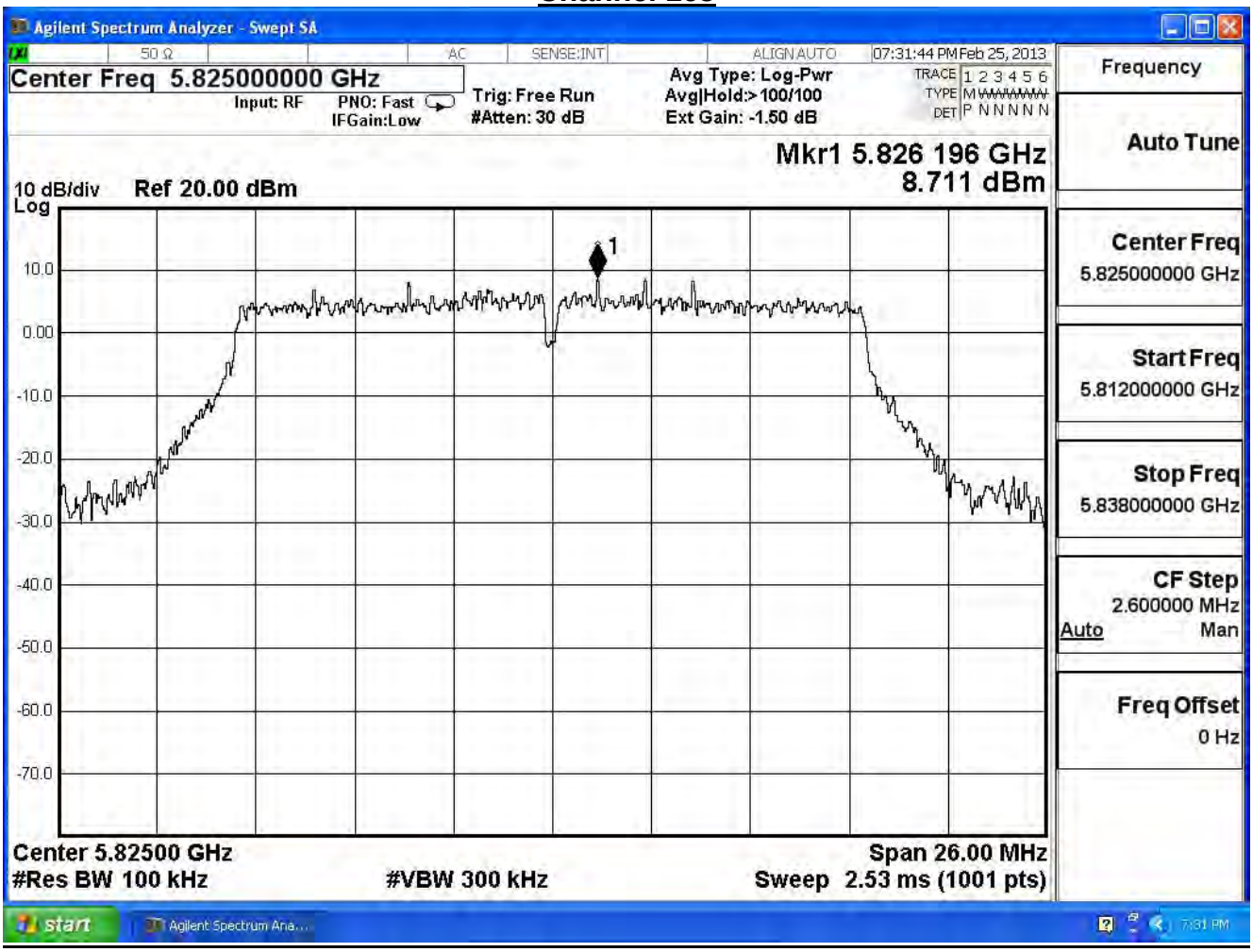
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:30:56 PM Feb 25, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.783 700 GHz
9.144 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:30 PM

Channel 165

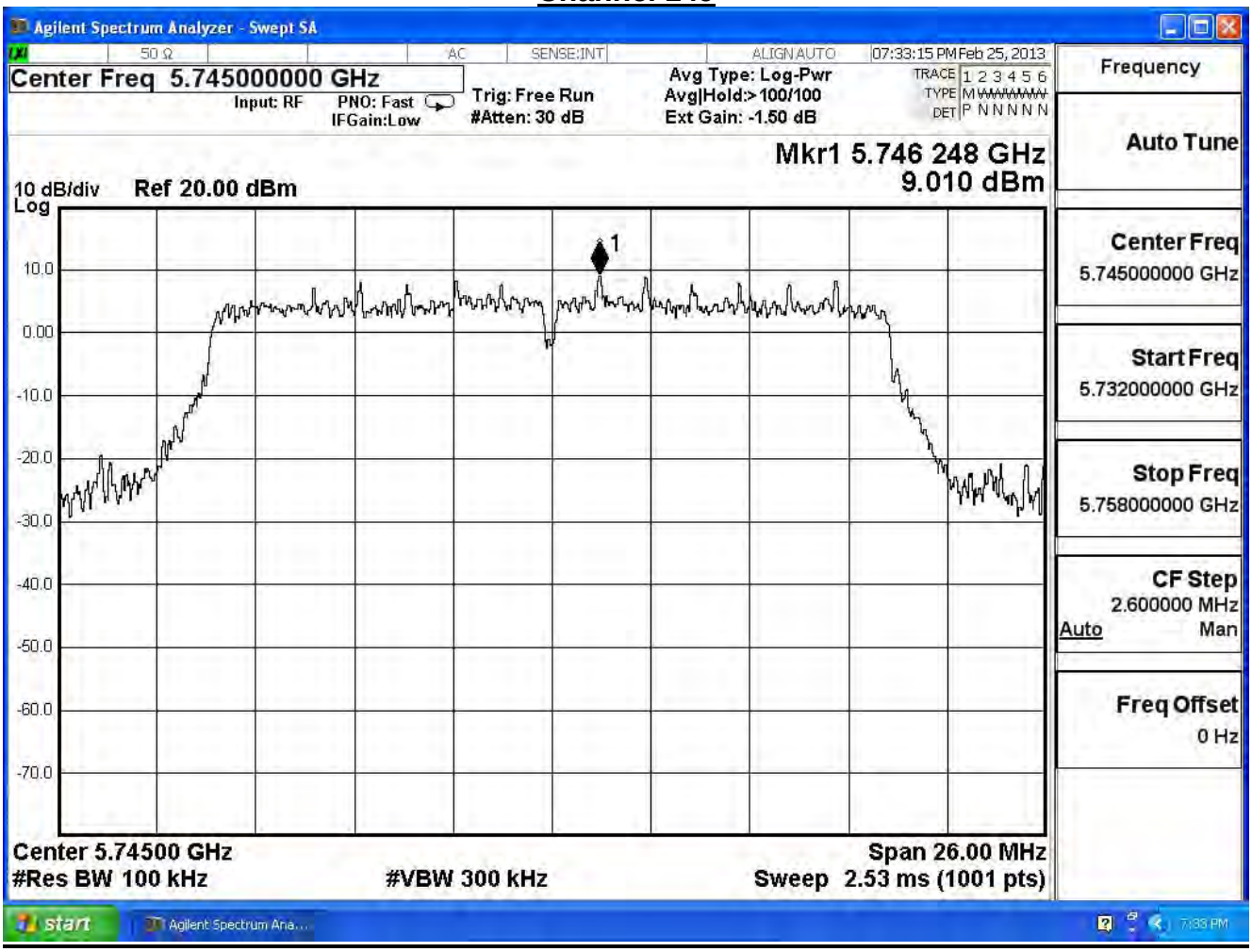

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:31:44 PM Feb 25, 2013
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.826 196 GHz
8.711 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.812000000 GHz
Stop Freq
5.838000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:31 PM

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/02/25	Test Site	SR7

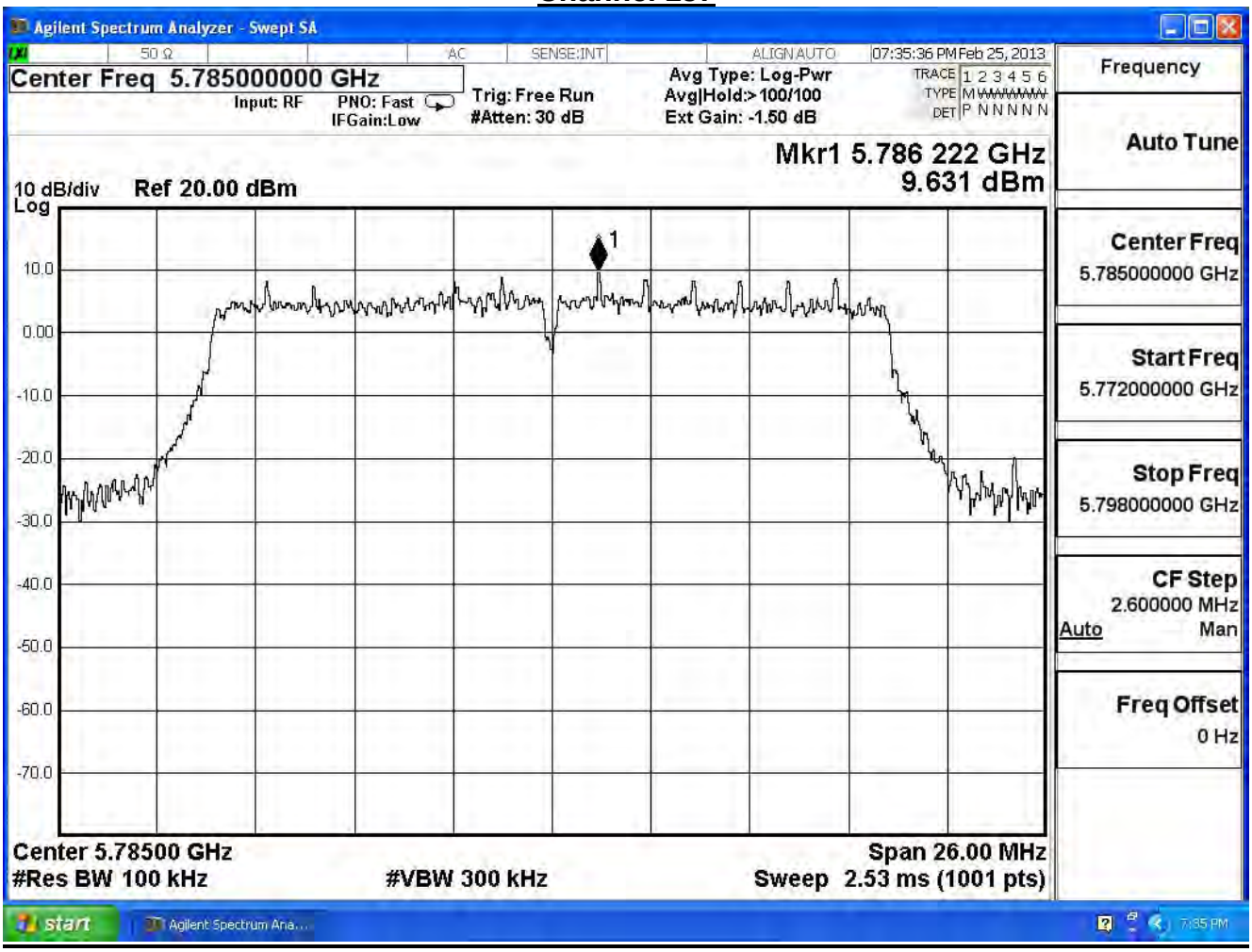
IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	9.010	-6.190	≦7.20	Pass
157	5785	9.631	-5.569	≦7.20	Pass
165	5825	9.529	-5.671	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

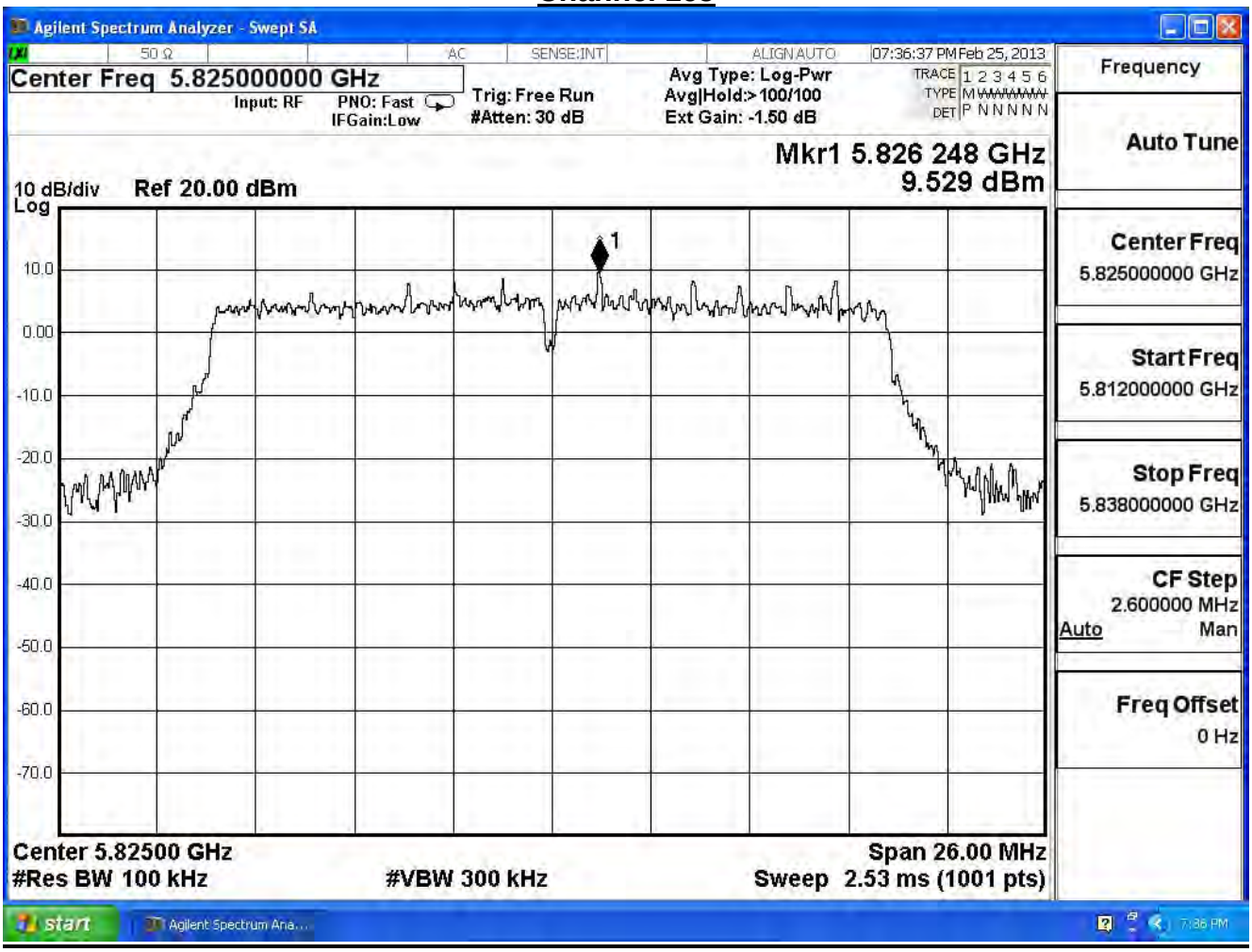
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:35:36 PM Feb 25, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.786 222 GHz
9.631 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:35 PM

Channel 165

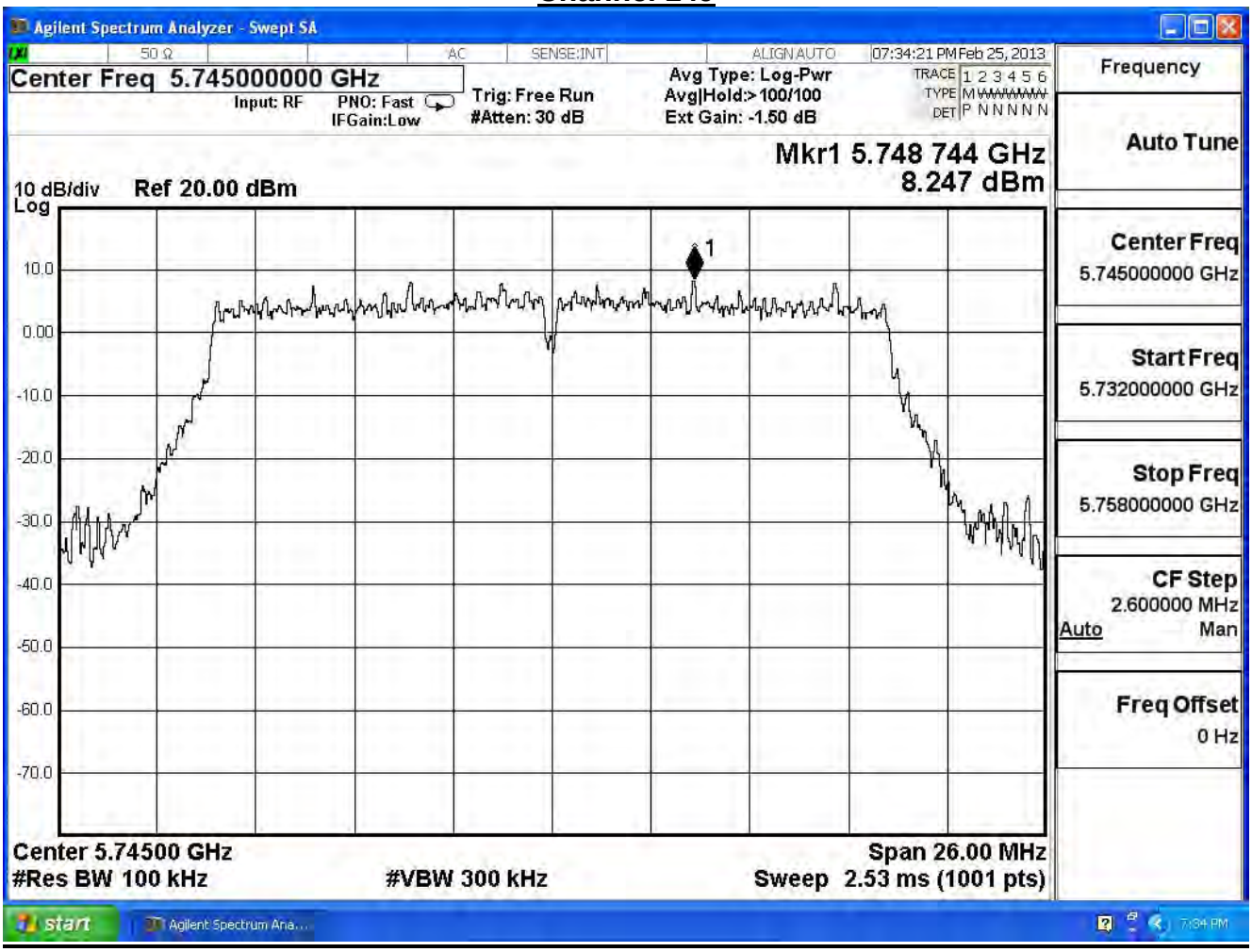

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:36:37 PM Feb 25, 2013
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.826 248 GHz
9.529 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.812000000 GHz
Stop Freq
5.838000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:36 PM

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/02/25	Test Site	SR7

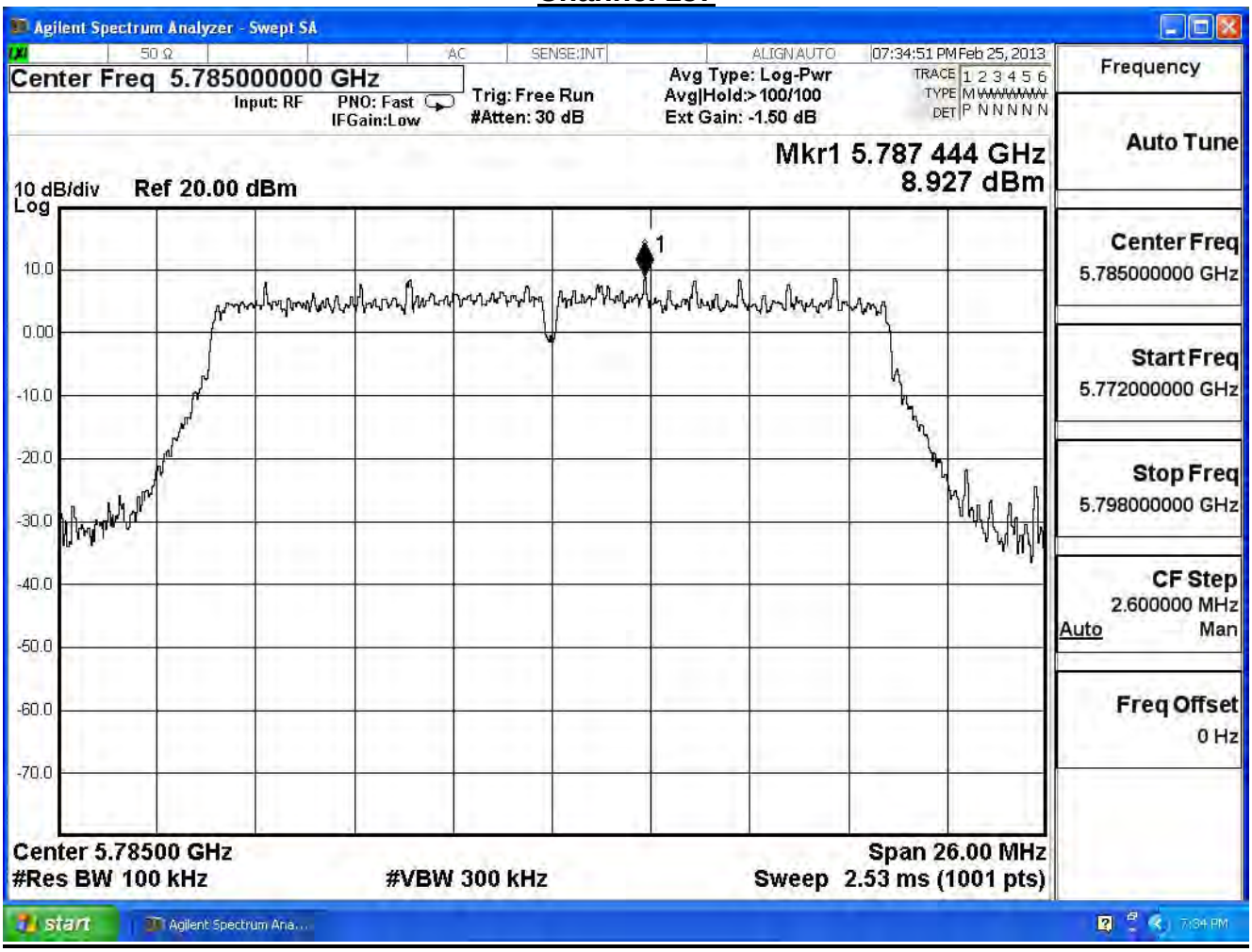
IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	8.247	-6.953	≦7.20	Pass
157	5785	8.927	-6.273	≦7.20	Pass
165	5825	8.388	-6.812	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

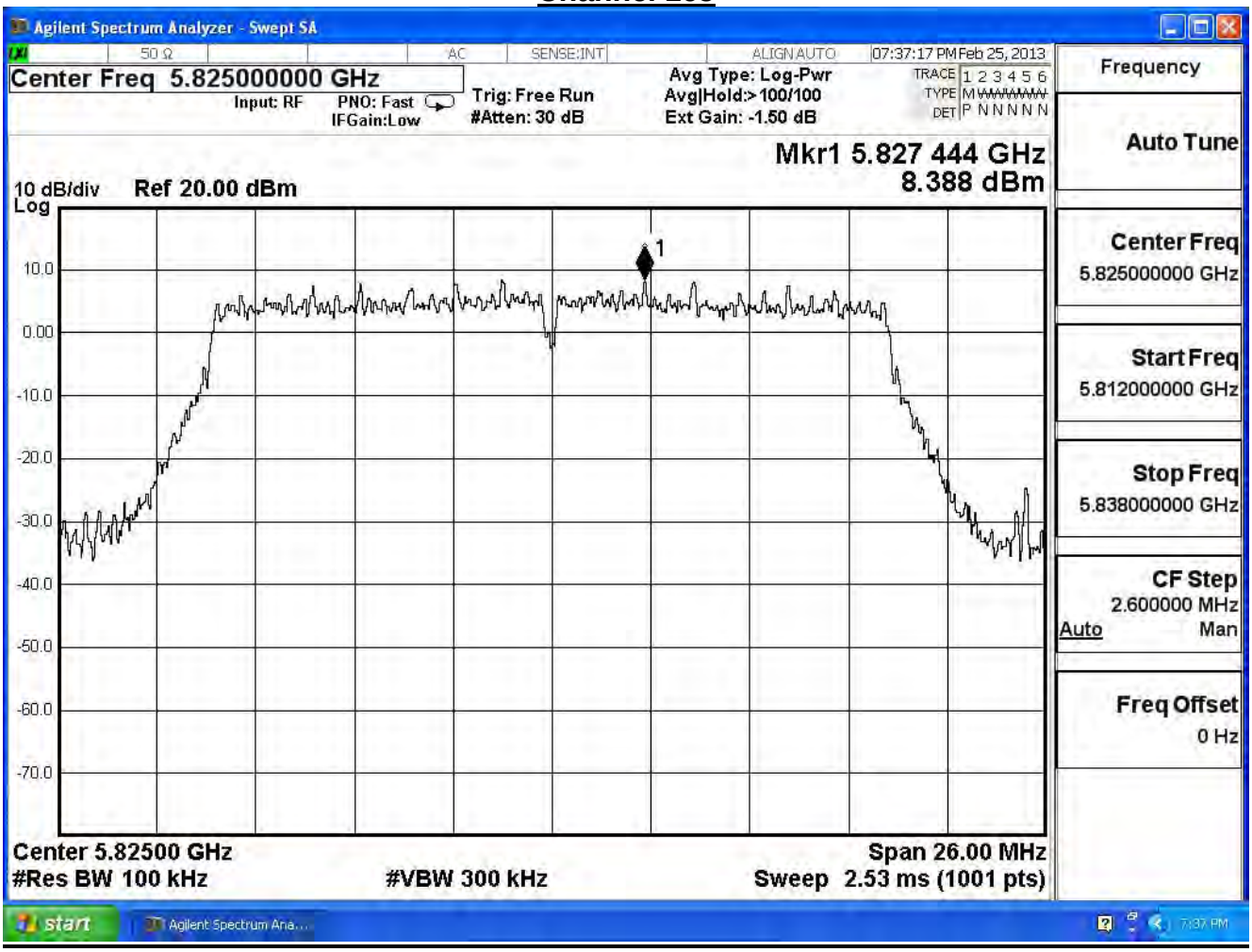
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:34:51 PM Feb 25, 2013
Center Freq 5.785000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.787 444 GHz
8.927 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.772000000 GHz
Stop Freq
5.798000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:34 PM

Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:37:17 PM Feb 25, 2013
Center Freq 5.825000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.827 444 GHz
8.388 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.812000000 GHz
Stop Freq
5.838000000 GHz
CF Step
2.600000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:37 PM

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/02/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-3.54	≦7.20	Pass
157	5785	-2.90	≦7.20	Pass
165	5825	-3.19	≦7.20	Pass

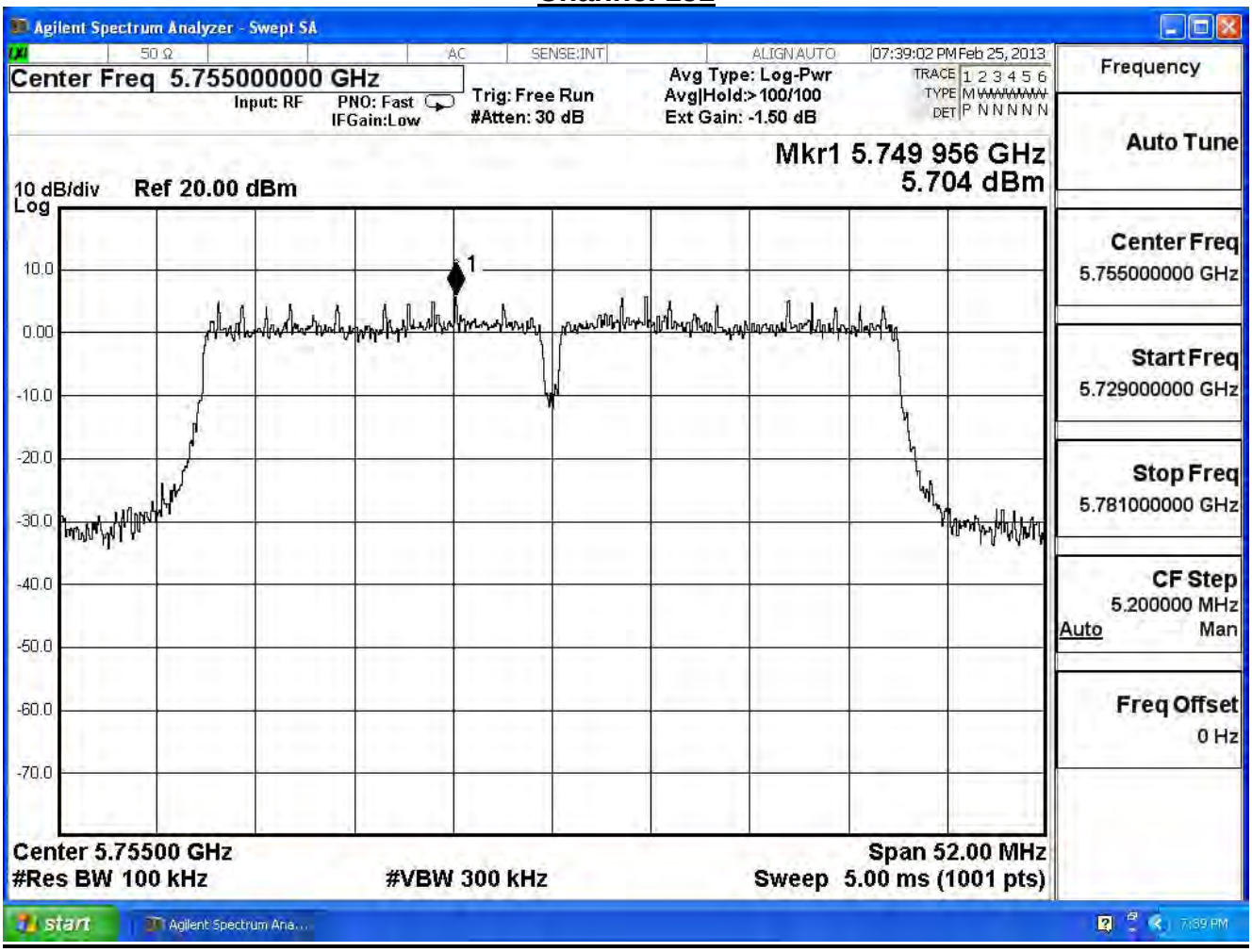
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/02/25	Test Site	SR7

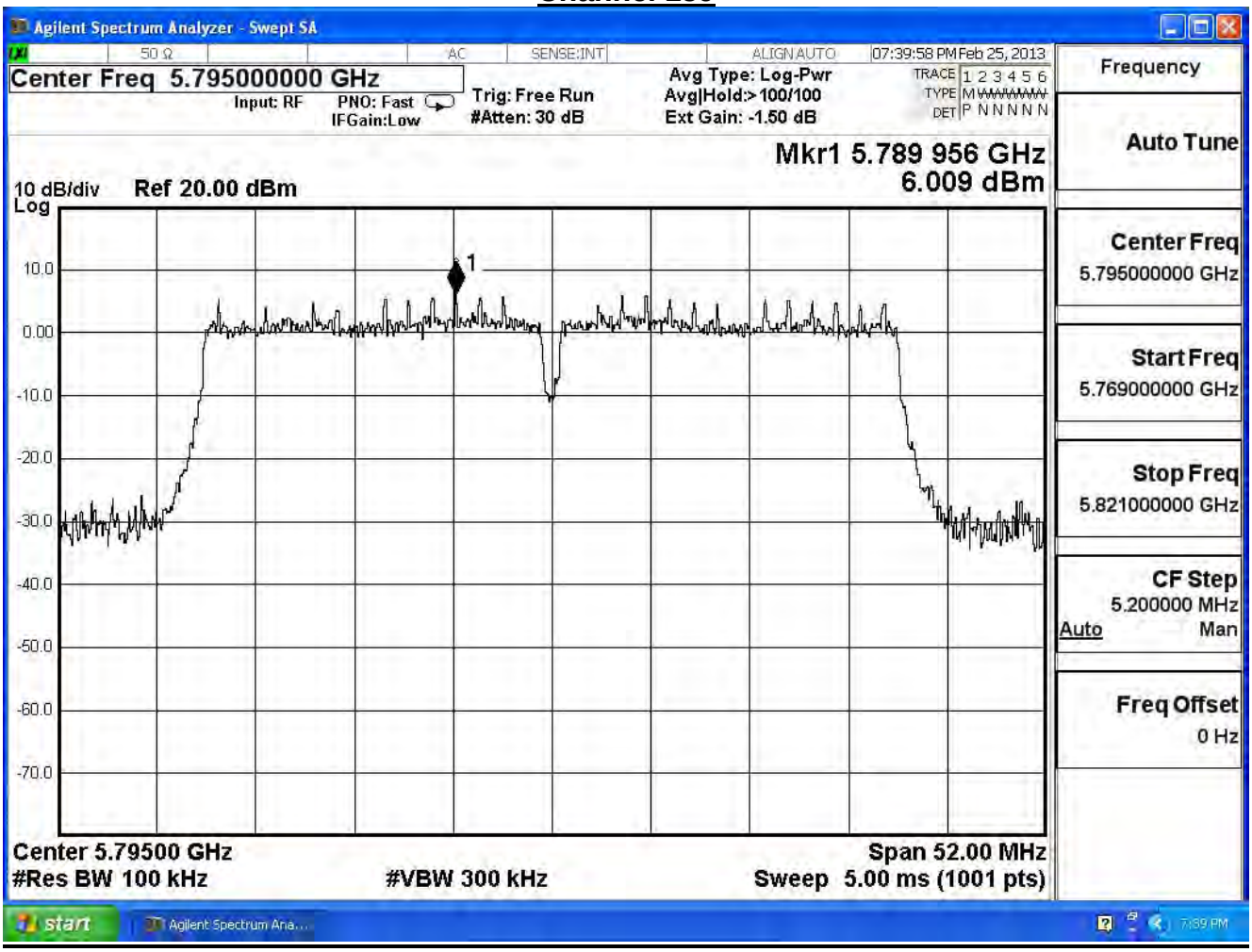
IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	5.704	-9.496	≦7.20	Pass
159	5795	6.009	-9.191	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 151



Channel 159

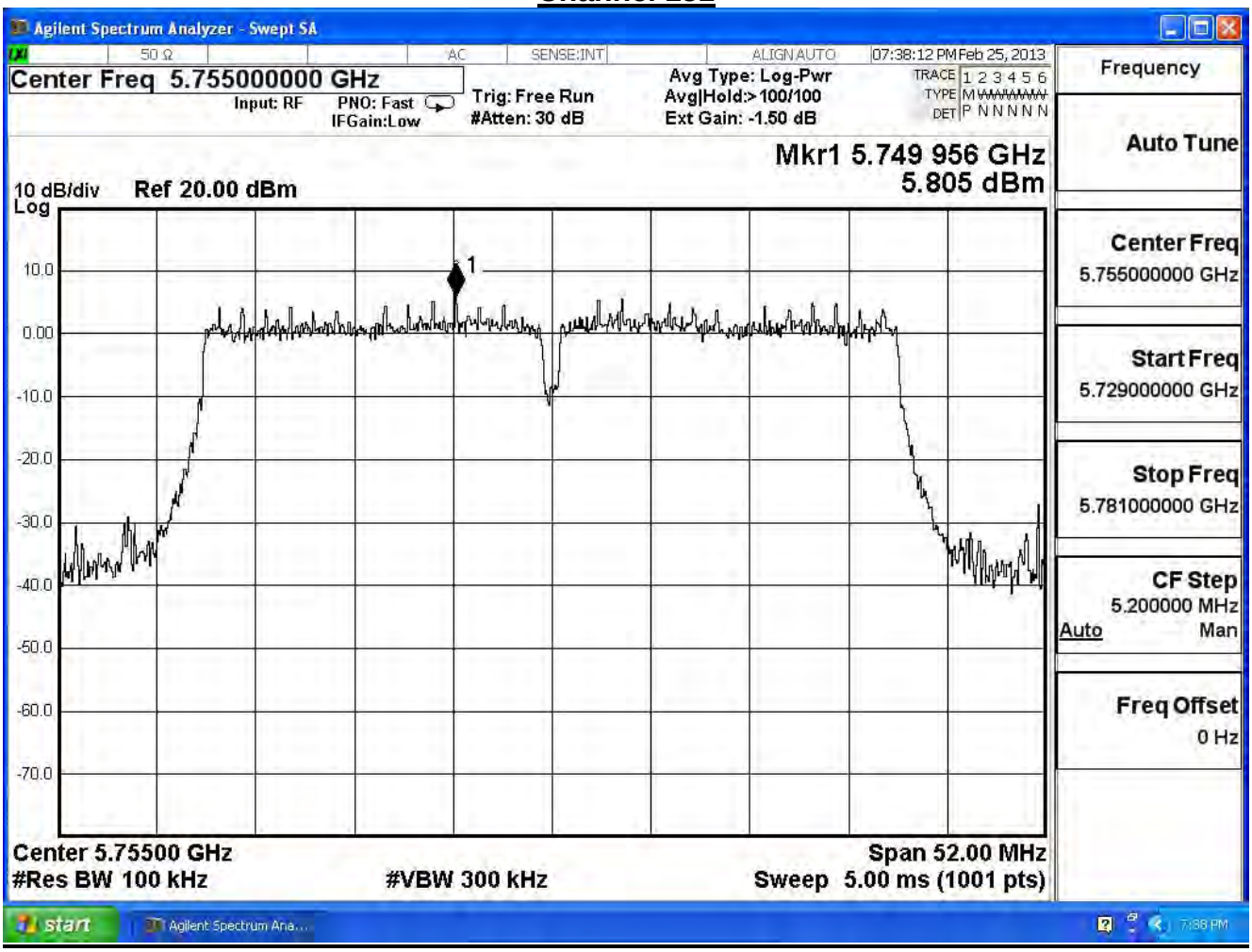

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:39:58 PM Feb 25, 2013
Center Freq 5.795000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.789 956 GHz
6.009 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 52.00 MHz
Sweep 5.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.769000000 GHz
Stop Freq
5.821000000 GHz
CF Step
5.200000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:39 PM

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/02/25	Test Site	SR7

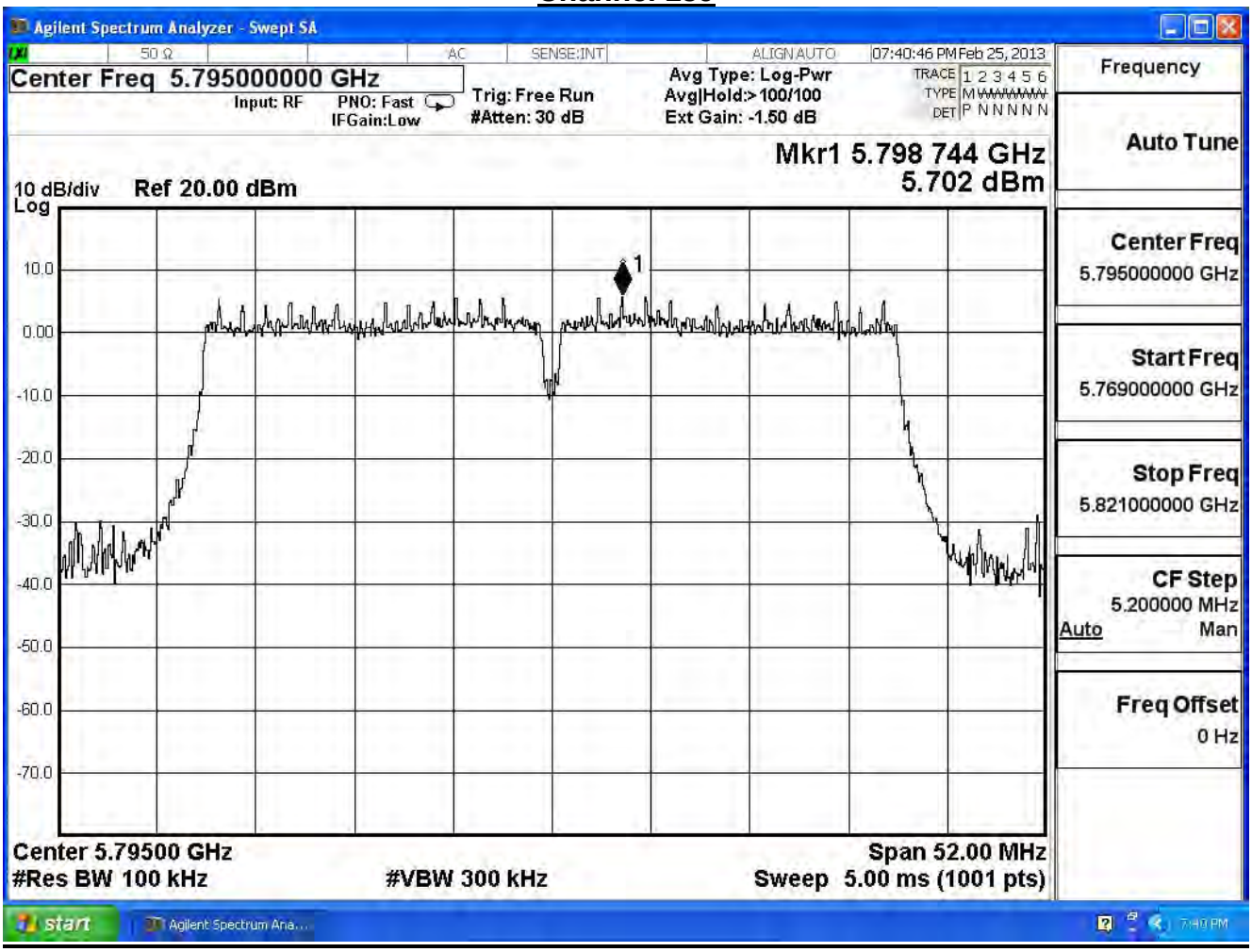
IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	5.805	-9.395	≦7.20	Pass
159	5795	5.702	-9.498	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 151



Channel 159


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:40:46 PM Feb 25, 2013
Center Freq 5.795000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ext Gain: -1.50 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.798 744 GHz
5.702 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 52.00 MHz
Sweep 5.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.769000000 GHz
Stop Freq
5.821000000 GHz
CF Step
5.200000 MHz
Auto
Man
Freq Offset
0 Hz
start
Agilent Spectrum Ana...
7:40 PM

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/02/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-6.43	≦7.20	Pass
159	5795	-6.33	≦7.20	Pass

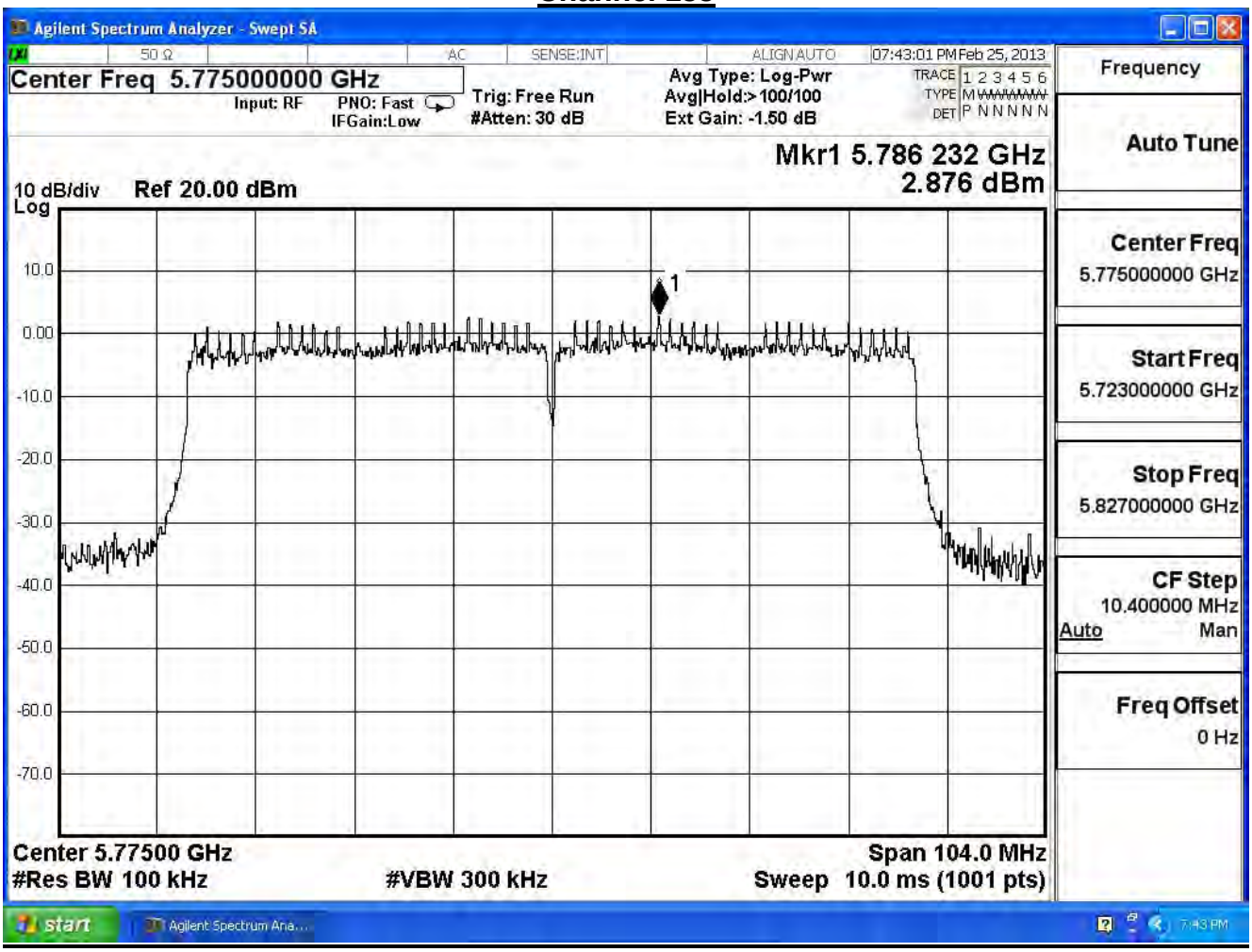
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/02/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	2.876	-12.324	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 155



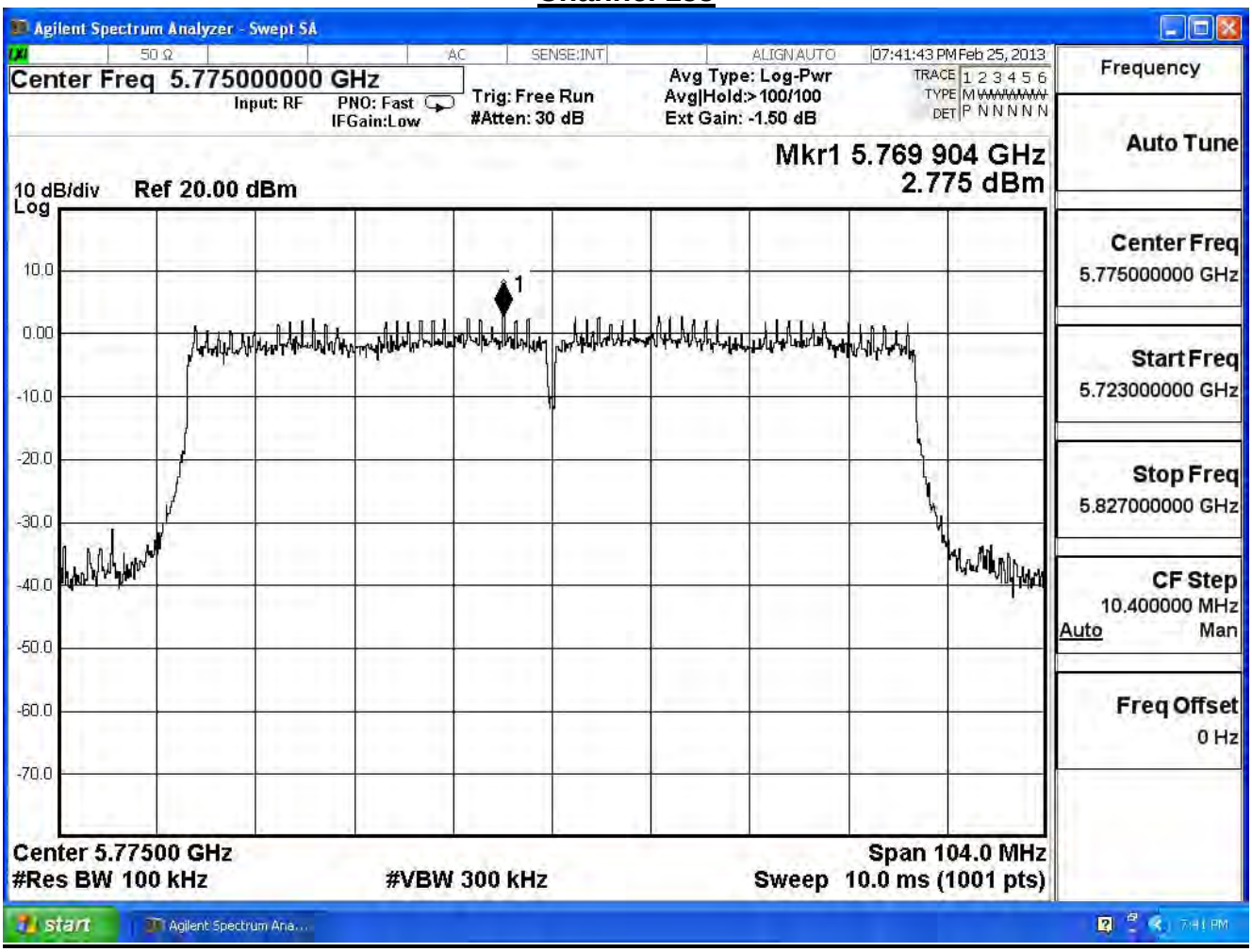
Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/02/25	Test Site	SR7

IEEE 802.11ac_80MHz (ANT 1)

Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
155	5775	2.775	-12.425	≦7.20	Pass

* Measure Level = Reading Level + BWCF = Reading Level + 10log(3kHz/100kHz)
Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm

Channel 155



Product	Dual-band Wireless-AC1200 Gigabit Router		
Test Item	Power Density		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/02/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-9.36	≦7.20	Pass

Note:
Directional Antenna Gain=10log(Ant N)+Max Gain = 10log(2)+3.79dBi=6.80dBi
Limit = 8dBm - (6.80dBi-6dB) = 7.20dBm