

6. Band Edge

6.1. Test Equipment

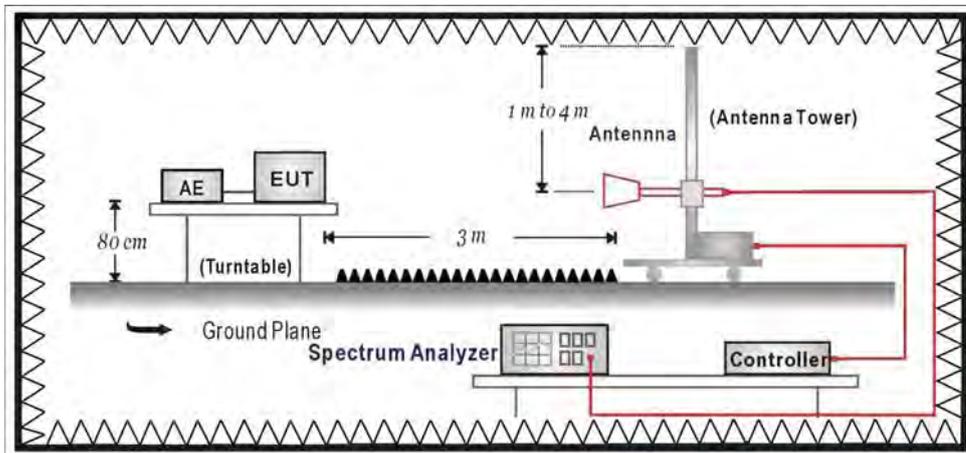
The following test equipments are used during the test:

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 C63.4: 2009 and tested according to DTS test procedure of Oct. 2012 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 C63.4: 2009 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

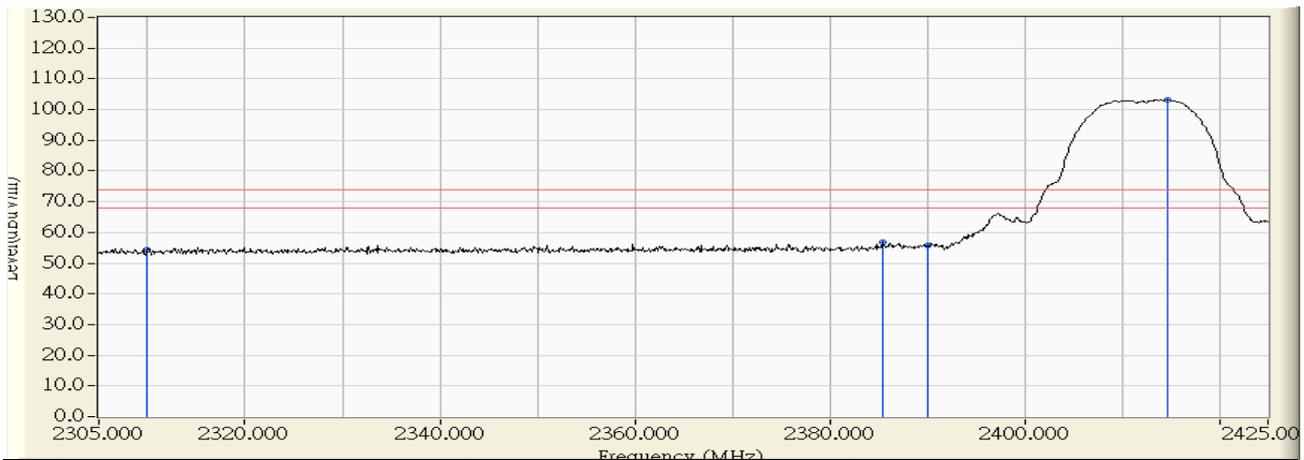
6.6. Uncertainty

The measurement uncertainty
 ± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	Time : 2013/10/24 - 11:28
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) b_2412MHz

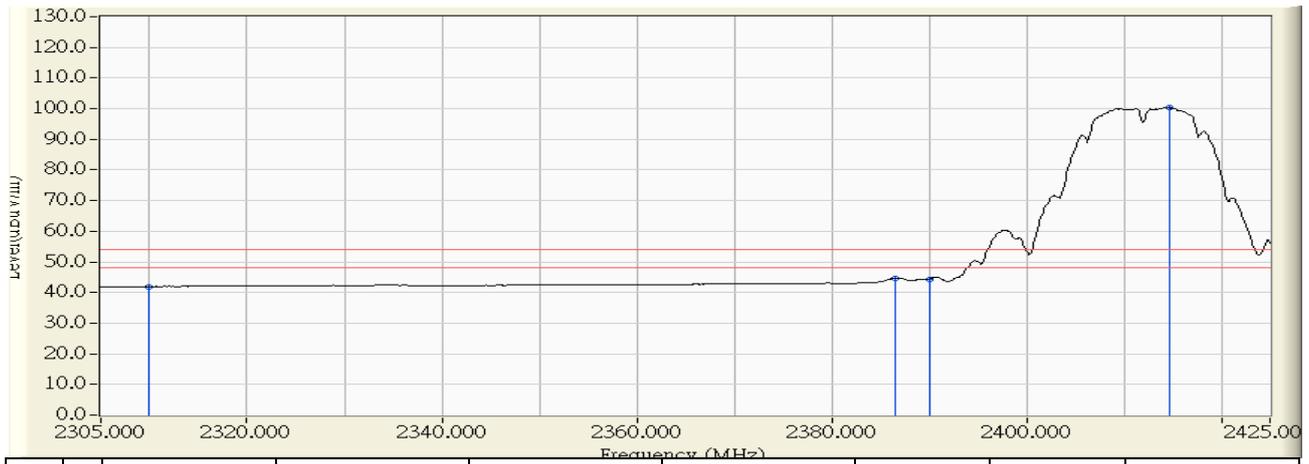


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	24.172	54.231	-19.769	74.000	PEAK
2	2385.400	30.841	26.010	56.851	-17.149	74.000	PEAK
3	2390.000	30.888	24.751	55.639	-18.361	74.000	PEAK
4	* 2414.680	31.144	72.187	103.331	29.331	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 : 2013/10/24 - 11:29
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) b_2412MHz

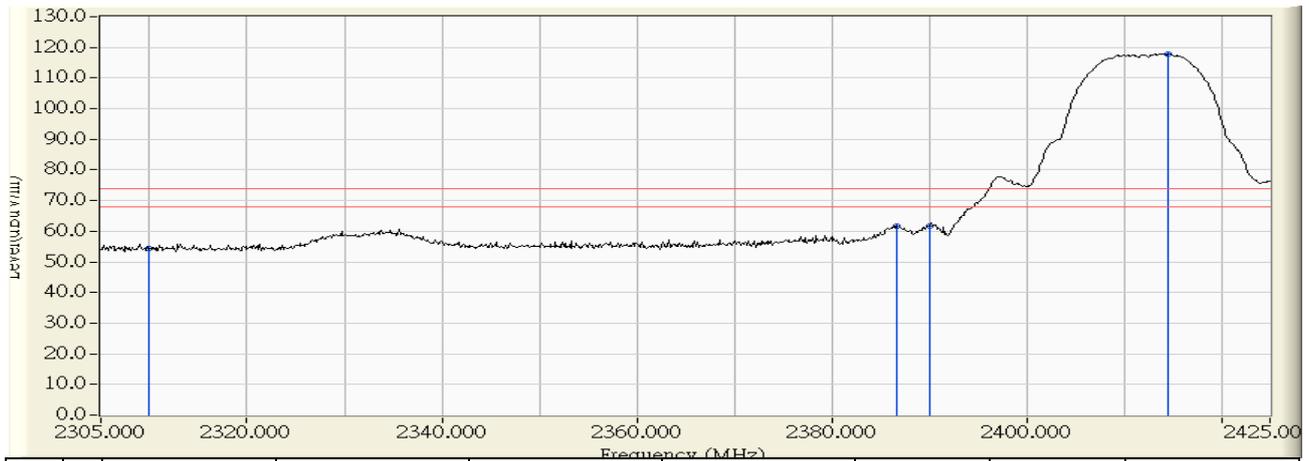


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	11.919	41.978	-12.022	54.000	AVERAGE
2	2386.480	30.852	13.788	44.640	-9.360	54.000	AVERAGE
3	2390.000	30.888	13.524	44.412	-9.588	54.000	AVERAGE
4	* 2414.680	31.144	69.256	100.400	46.400	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 : 2013/10/24 - 11:14
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) b_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	24.190	54.249	-19.751	74.000	PEAK
2	2386.720	30.854	30.879	61.733	-12.267	74.000	PEAK
3	2390.000	30.888	30.952	61.840	-12.160	74.000	PEAK
4	* 2414.560	31.143	86.830	117.973	43.973	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 : 2013/10/24 - 11:13
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) b_2412MHz

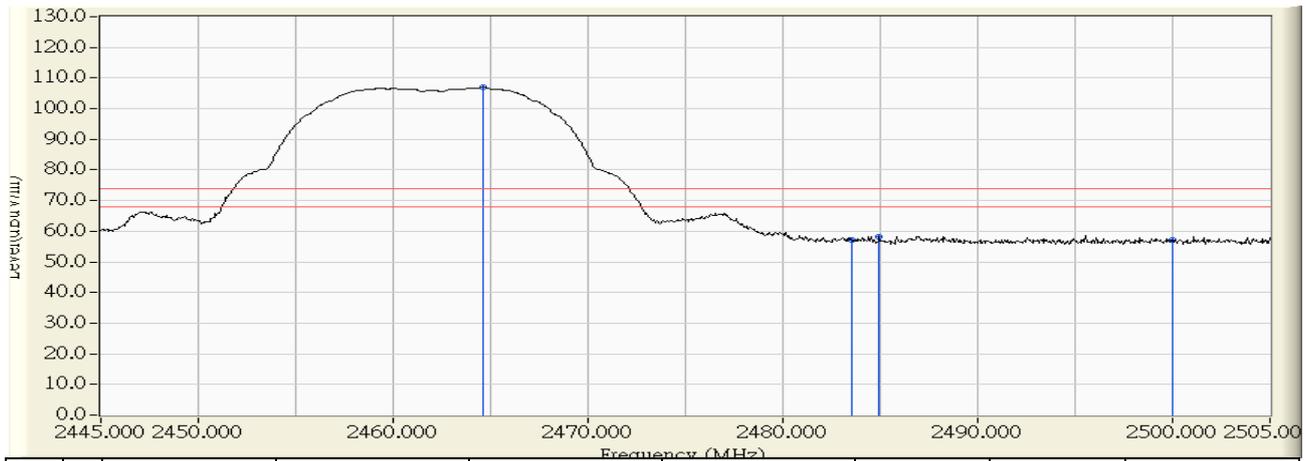


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	12.432	42.491	-11.509	54.000	AVERAGE
2	2386.960	30.857	20.834	51.691	-2.309	54.000	AVERAGE
3	2390.000	30.888	18.995	49.883	-4.117	54.000	AVERAGE
4	* 2414.680	31.144	84.142	115.286	61.286	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 : 2013/10/24 - 11:55
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) b_2462MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.620	31.663	75.262	106.924	32.924	74.000	PEAK
2		2483.500	31.858	25.199	57.057	-16.943	74.000	PEAK
3		2484.960	31.873	26.440	58.313	-15.687	74.000	PEAK
4		2500.000	31.988	25.224	57.213	-16.787	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 : 2013/10/24 - 11:56
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) b_2462MHz

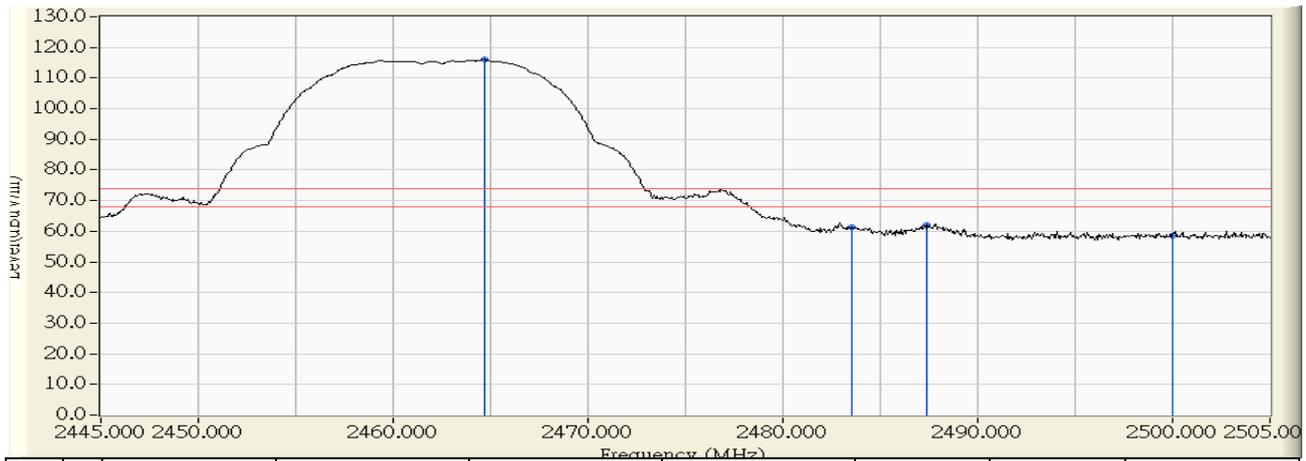


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.620	31.663	72.477	104.139	50.139	54.000	AVERAGE
2		2483.500	31.858	13.732	45.590	-8.410	54.000	AVERAGE
3		2486.520	31.889	13.885	45.774	-8.226	54.000	AVERAGE
4		2500.000	31.988	12.836	44.825	-9.175	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 : 2013/10/24 - 11:41
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) b_2462MHz

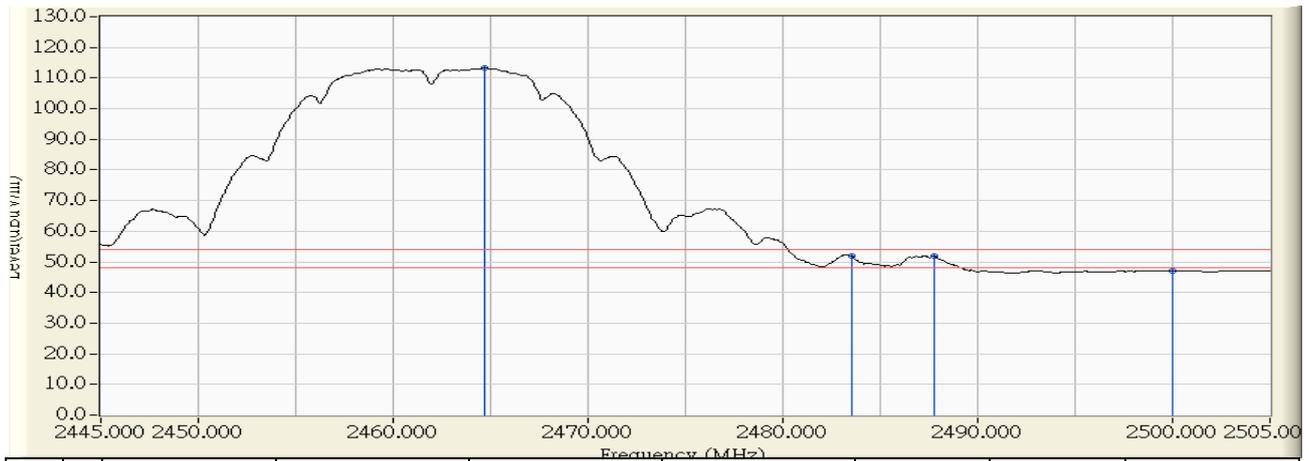


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.680	31.663	84.264	115.927	41.927	74.000	PEAK
2		2483.500	31.858	29.372	61.230	-12.770	74.000	PEAK
3		2487.360	31.898	30.309	62.207	-11.793	74.000	PEAK
4		2500.000	31.988	26.477	58.466	-15.534	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 : 2013/10/24 - 11:40
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) b_2462MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.680	31.663	81.626	113.289	59.289	54.000	AVERAGE
2		2483.500	31.858	20.015	51.873	-2.127	54.000	AVERAGE
3		2487.780	31.903	19.884	51.786	-2.214	54.000	AVERAGE
4		2500.000	31.988	14.964	46.953	-7.047	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 : 2013/10/24 - 13:22
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) g_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	25.264	55.323	-18.677	74.000	PEAK
2	2389.960	30.888	39.894	70.782	-3.218	74.000	PEAK
3	2390.000	30.888	39.413	70.301	-3.699	74.000	PEAK
4	* 2414.680	31.144	79.593	110.737	36.737	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 : 2013/10/24 - 13:23
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) g_2412MHz

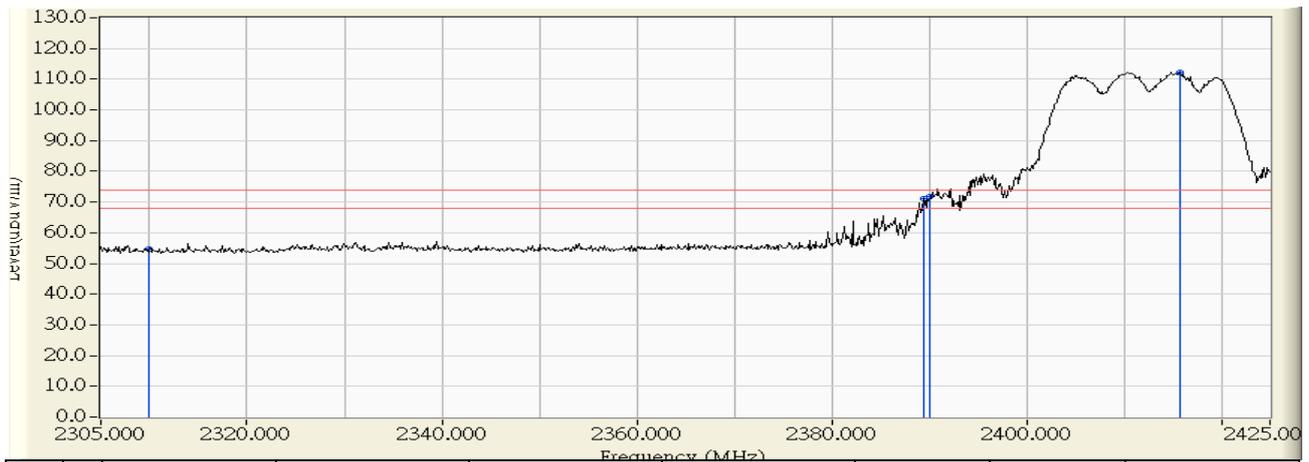


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	12.447	42.506	-11.494	54.000	AVERAGE
2	2389.720	30.885	18.215	49.100	-4.900	54.000	AVERAGE
3	2390.000	30.888	18.452	49.340	-4.660	54.000	AVERAGE
4	* 2414.680	31.144	68.196	99.340	45.340	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 : 2013/10/24 - 13:14
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) g_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	24.506	54.565	-19.435	74.000	PEAK
2	2389.480	30.883	40.248	71.131	-2.869	74.000	PEAK
3	2390.000	30.888	40.812	71.700	-2.300	74.000	PEAK
4	* 2415.760	31.155	81.217	112.372	38.372	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 : 2013/10/24 - 13:16
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) g_2412MHz

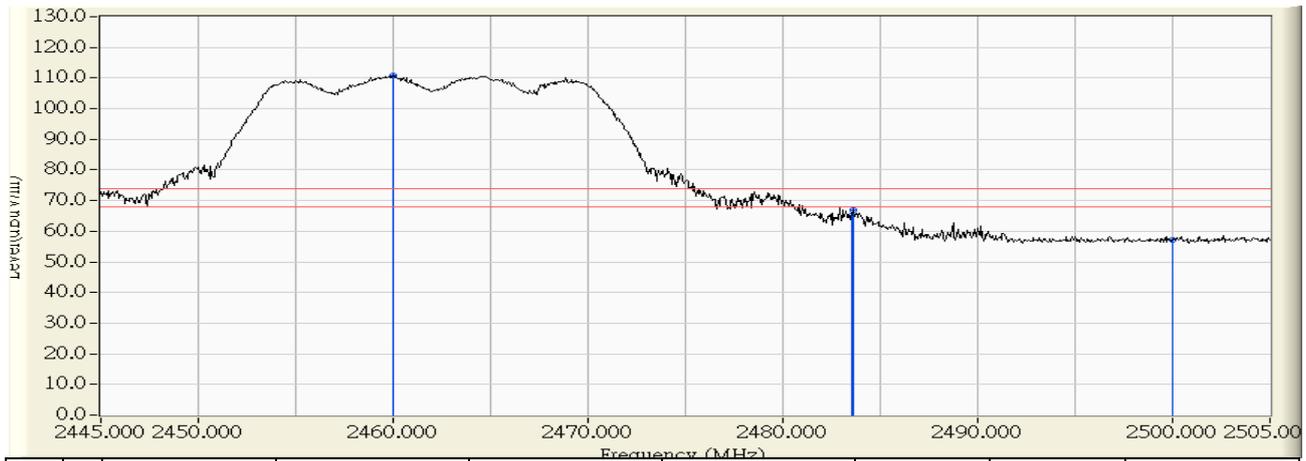


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	11.950	42.009	-11.991	54.000	AVERAGE
2	2389.960	30.888	19.518	50.406	-3.594	54.000	AVERAGE
3	2390.000	30.888	19.587	50.475	-3.525	54.000	AVERAGE
4	* 2410.360	31.099	70.455	101.554	47.554	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 : 2013/10/24 - 13:40
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) g_2462MHz

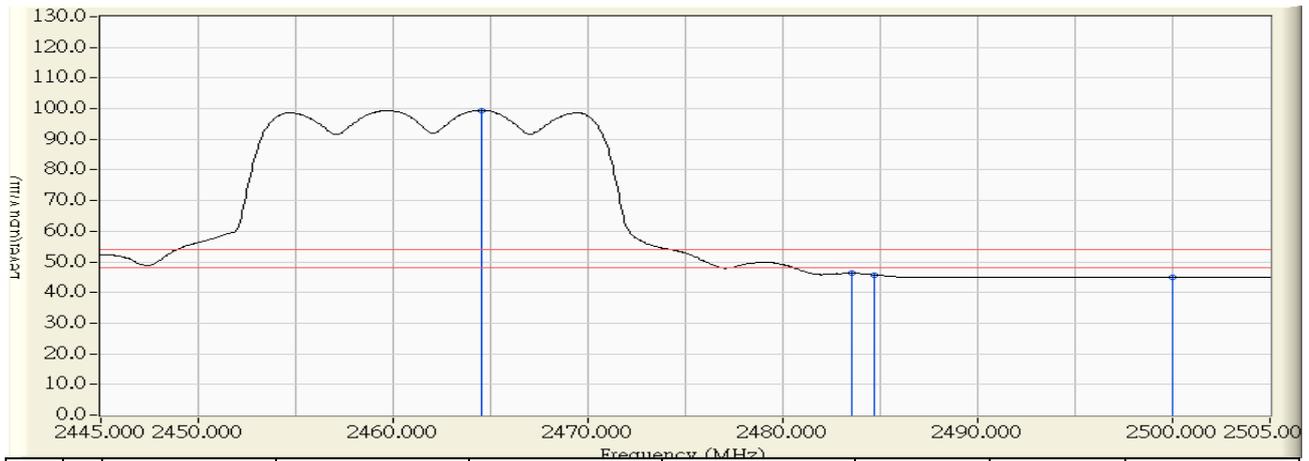


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector Type
1	*	2460.000	31.614	79.379	110.993	36.993	74.000	PEAK
2		2483.500	31.858	33.273	65.131	-8.869	74.000	PEAK
3		2483.580	31.859	35.073	66.932	-7.068	74.000	PEAK
4		2500.000	31.988	25.120	57.109	-16.891	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 : 2013/10/24 - 13:40
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) g_2462MHz

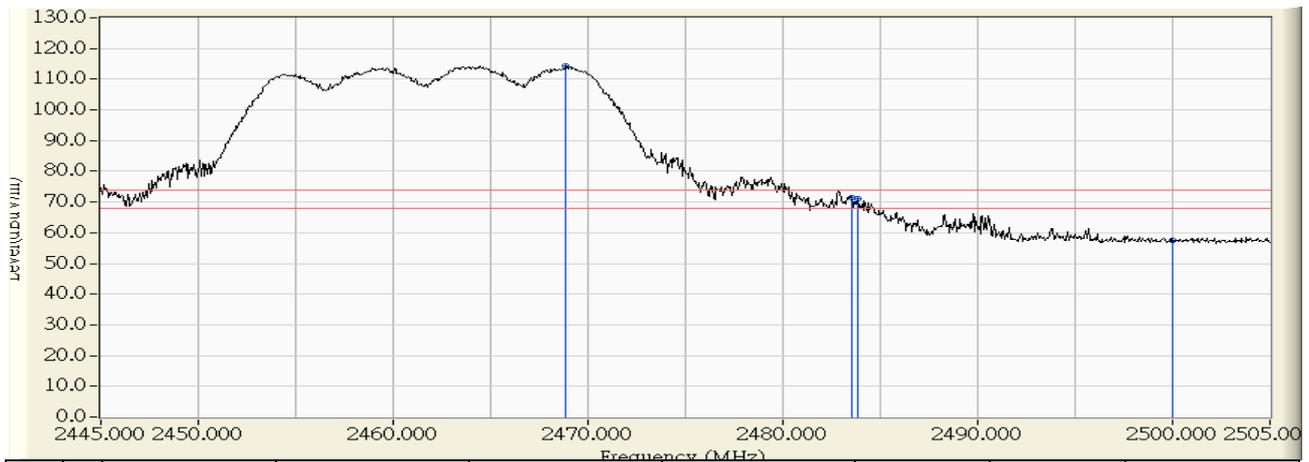


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.560	31.662	67.833	99.495	45.495	54.000	AVERAGE
2		2483.500	31.858	14.542	46.400	-7.600	54.000	AVERAGE
3		2484.660	31.870	13.915	45.785	-8.215	54.000	AVERAGE
4		2500.000	31.988	12.906	44.895	-9.105	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 : 2013/10/24 - 13:32
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) g_2462MHz

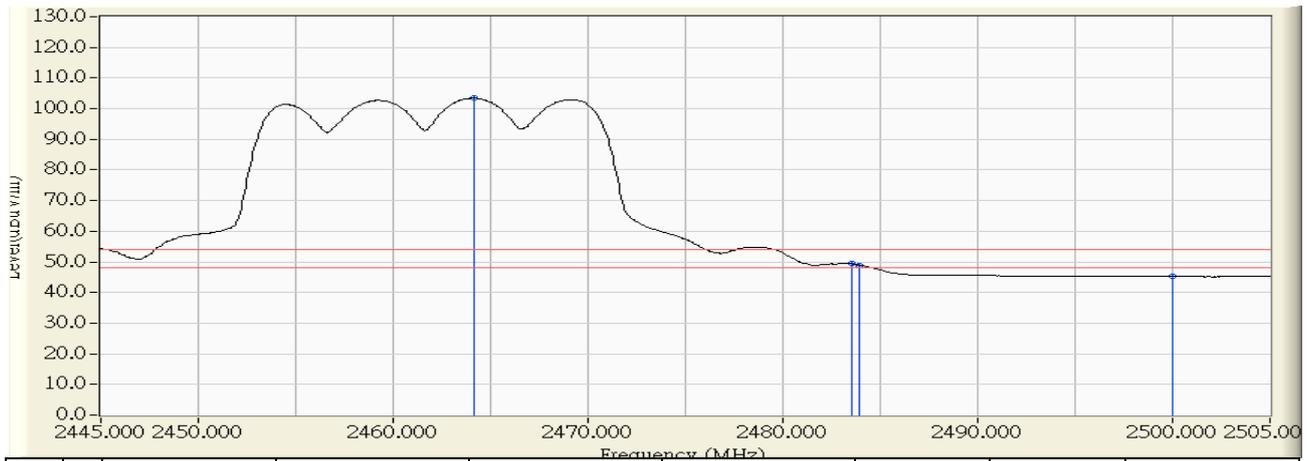


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2468.820	31.706	82.497	114.203	40.203	74.000	PEAK
2		2483.500	31.858	39.582	71.440	-2.560	74.000	PEAK
3		2483.880	31.862	39.218	71.080	-2.920	74.000	PEAK
4		2500.000	31.988	25.560	57.549	-16.451	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 : 2013/10/24 - 13:33
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) g_2462MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.140	31.657	71.726	103.383	49.383	54.000	AVERAGE
2		2483.500	31.858	17.531	49.389	-4.611	54.000	AVERAGE
3		2483.940	31.862	17.061	48.924	-5.076	54.000	AVERAGE
4		2500.000	31.988	13.297	45.286	-8.714	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 : 2013/10/24 - 14:02
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_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	24.531	54.590	-19.410	74.000	PEAK
2	2389.240	30.880	38.059	68.939	-5.061	74.000	PEAK
3	2390.000	30.888	36.842	67.730	-6.270	74.000	PEAK
4	* 2413.960	31.136	77.845	108.982	34.982	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 : 2013/10/24 - 14:03
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_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	12.436	42.495	-11.505	54.000	AVERAGE
2	2388.640	30.874	15.965	46.839	-7.161	54.000	AVERAGE
3	2390.000	30.888	17.099	47.987	-6.013	54.000	AVERAGE
4	* 2413.360	31.131	66.064	97.195	43.195	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 : 2013/10/24 - 13:54
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_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	25.088	55.147	-18.853	74.000	PEAK
2	2388.520	30.873	41.006	71.879	-2.121	74.000	PEAK
3	2390.000	30.888	40.584	71.472	-2.528	74.000	PEAK
4	* 2413.360	31.131	81.451	112.582	38.582	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 : 2013/10/24 - 13:55
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_2412MHz

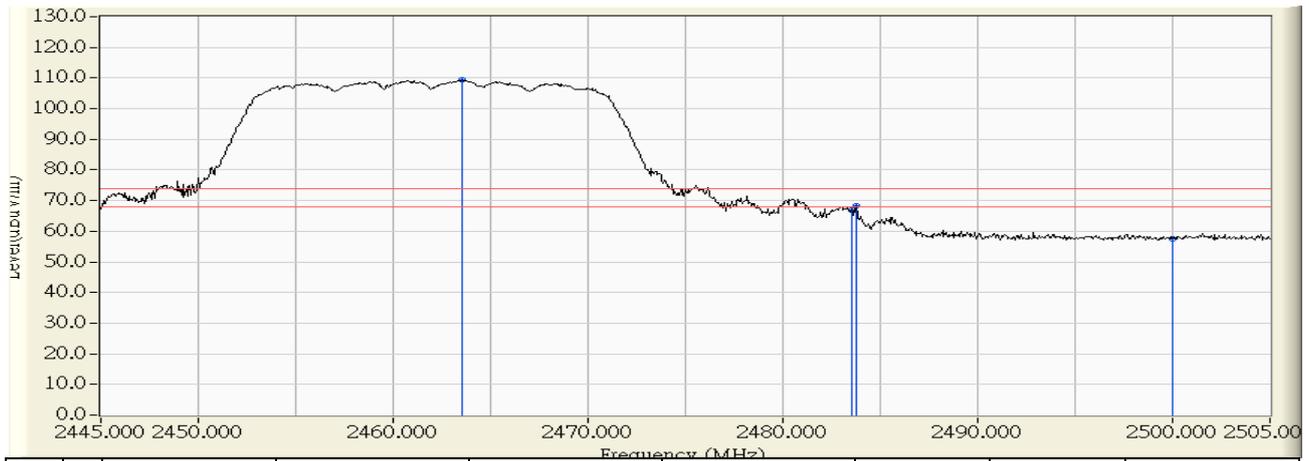


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	12.360	42.419	-11.581	54.000	AVERAGE
2	2389.000	30.878	18.906	49.784	-4.216	54.000	AVERAGE
3	2390.000	30.888	19.347	50.235	-3.765	54.000	AVERAGE
4	* 2410.840	31.105	69.908	101.012	47.012	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 : 2013/10/24 - 14:38
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_2462MHz

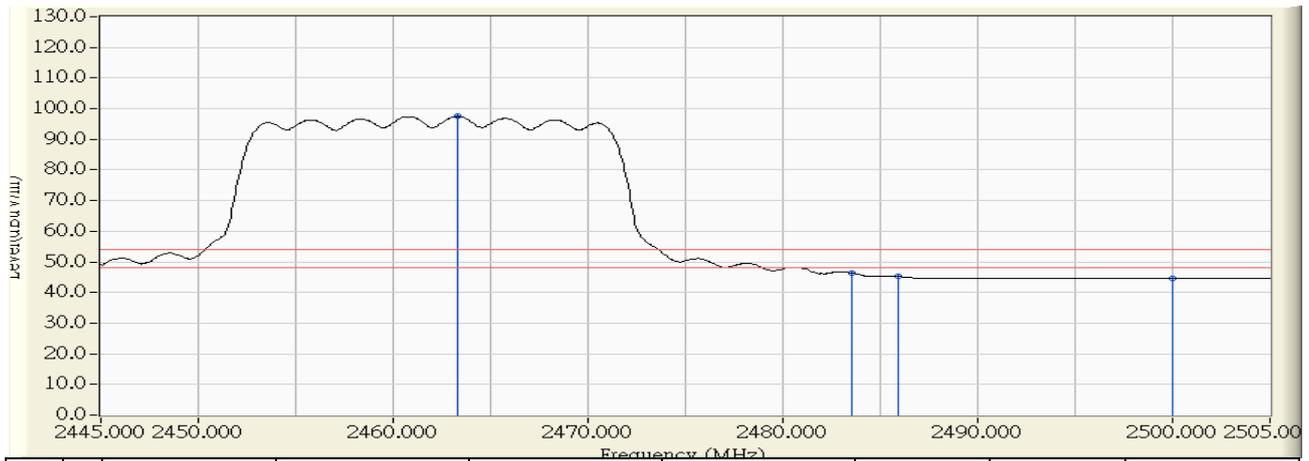


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.540	31.651	77.622	109.273	35.273	74.000	PEAK
2		2483.500	31.858	35.033	66.891	-7.109	74.000	PEAK
3		2483.760	31.861	36.497	68.358	-5.642	74.000	PEAK
4		2500.000	31.988	25.657	57.646	-16.354	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 : 2013/10/24 - 14:38
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_2462MHz

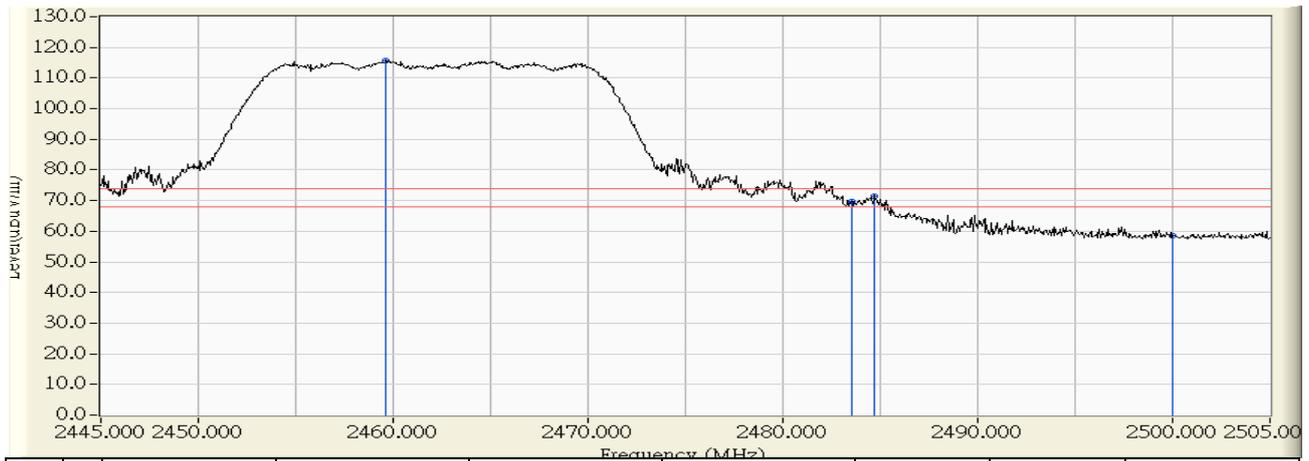


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.300	31.648	65.773	97.421	43.421	54.000	AVERAGE
2		2483.500	31.858	14.552	46.410	-7.590	54.000	AVERAGE
3		2485.920	31.883	13.391	45.274	-8.726	54.000	AVERAGE
4		2500.000	31.988	12.534	44.523	-9.477	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 : 2013/10/24 - 14:12
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_2462MHz

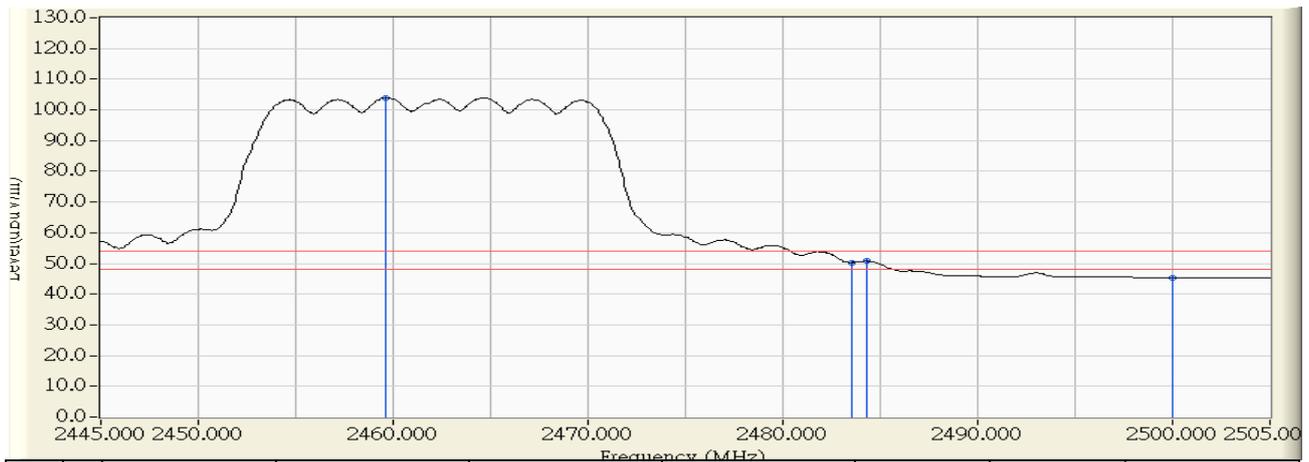


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2459.640	31.611	83.982	115.593	41.593	74.000	PEAK
2		2483.500	31.858	37.720	69.578	-4.422	74.000	PEAK
3		2484.720	31.870	39.692	71.563	-2.437	74.000	PEAK
4		2500.000	31.988	26.630	58.619	-15.381	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 : 2013/10/24 - 14:13
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_2462MHz

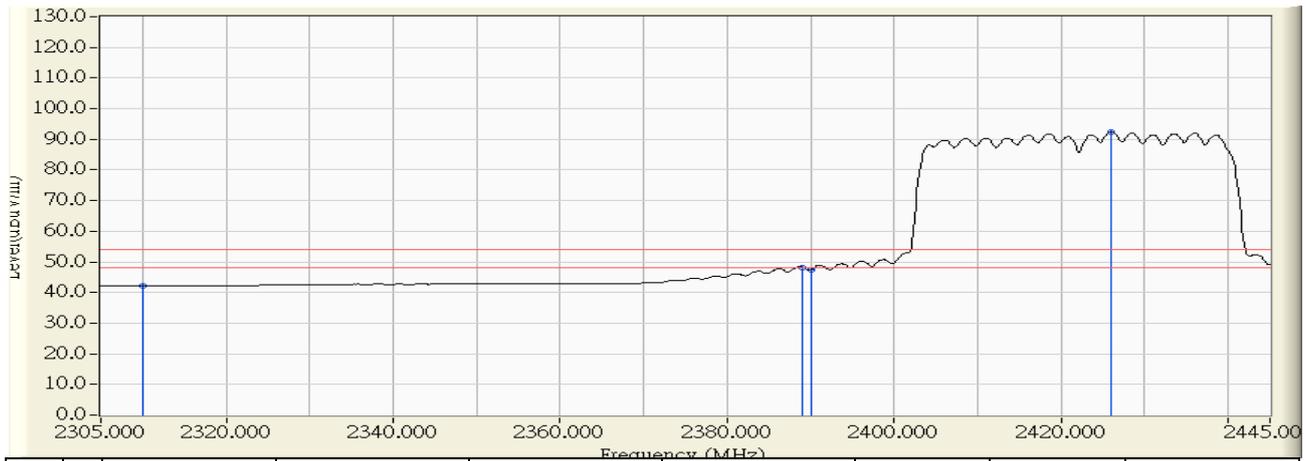


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2459.640	31.611	72.381	103.992	49.992	54.000	AVERAGE
2		2483.500	31.858	18.374	50.232	-3.768	54.000	AVERAGE
3		2484.300	31.867	18.872	50.738	-3.262	54.000	AVERAGE
4		2500.000	31.988	13.356	45.345	-8.655	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 : 2013/10/24 - 15:07
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_2422MHz

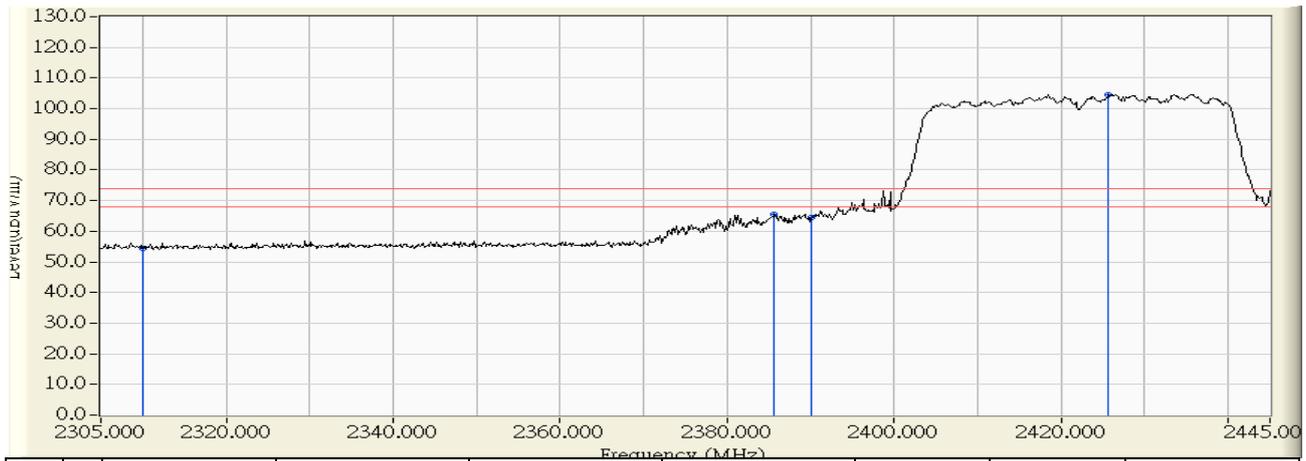


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	12.051	42.110	-11.890	54.000	AVERAGE
2	2389.000	30.878	17.381	48.259	-5.741	54.000	AVERAGE
3	2390.000	30.888	16.543	47.431	-6.569	54.000	AVERAGE
4	* 2425.960	31.261	61.053	92.314	38.314	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 : 2013/10/24 - 15:05
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_2422MHz

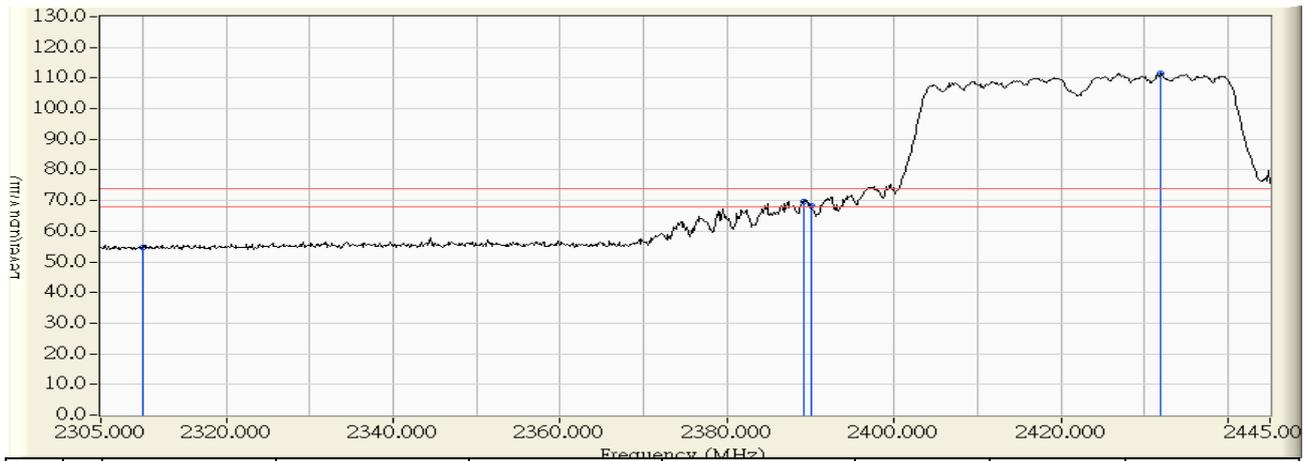


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	24.387	54.446	-19.554	74.000	PEAK
2	2385.640	30.843	34.764	65.607	-8.393	74.000	PEAK
3	2390.000	30.888	33.417	64.305	-9.695	74.000	PEAK
4	* 2425.680	31.258	73.315	104.573	30.573	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 : 2013/10/24 - 14:54
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_2422MHz

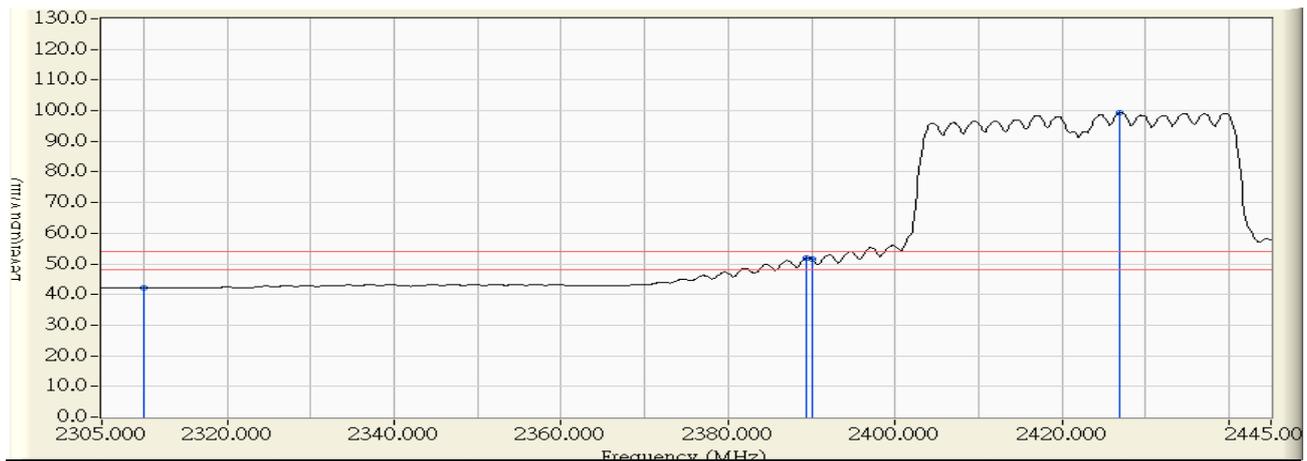


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	24.727	54.786	-19.214	74.000	PEAK
2	2389.140	30.879	38.831	69.710	-4.290	74.000	PEAK
3	2390.000	30.888	37.588	68.476	-5.524	74.000	PEAK
4	* 2431.840	31.322	80.124	111.446	37.446	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 : 2013/10/24 - 14:52
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_2422MHz

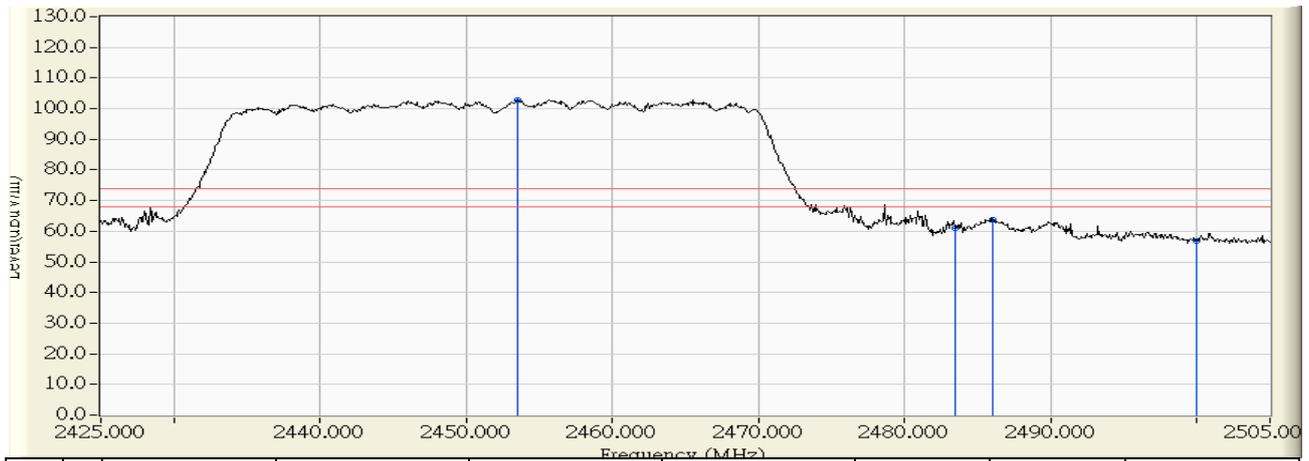


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	12.019	42.078	-11.922	54.000	AVERAGE
2	2389.280	30.880	21.086	51.967	-2.033	54.000	AVERAGE
3	2390.000	30.888	20.706	51.594	-2.406	54.000	AVERAGE
4	* 2426.940	31.272	68.180	99.451	45.451	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 : 2013/10/24 - 15:38
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_2452MHz

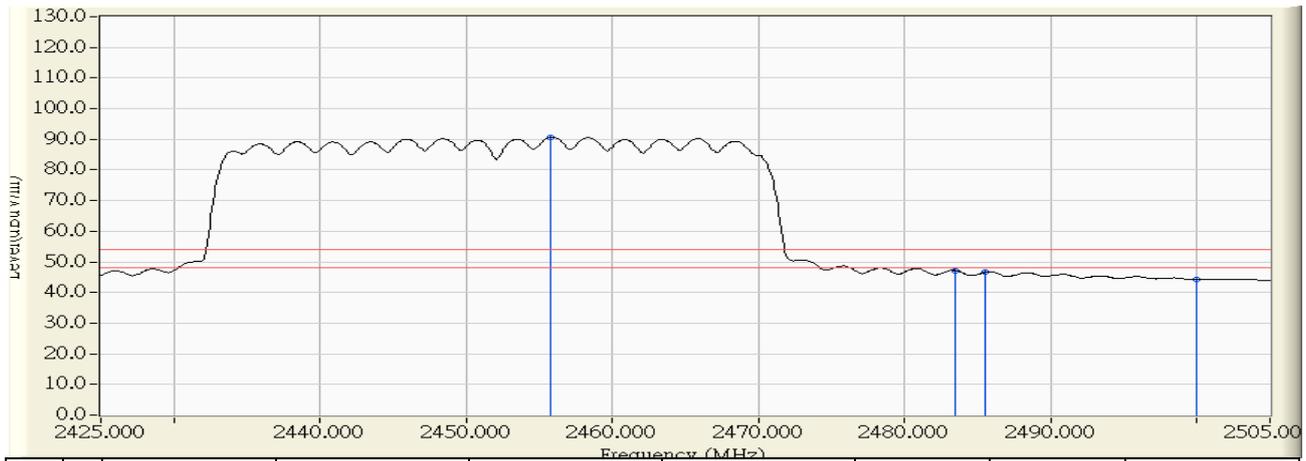


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2453.480	31.547	71.331	102.878	28.878	74.000	PEAK
2		2483.500	31.858	29.139	60.997	-13.003	74.000	PEAK
3		2486.040	31.885	31.904	63.788	-10.212	74.000	PEAK
4		2500.000	31.988	24.979	56.968	-17.032	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 : 2013/10/24 - 15:39
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_2452MHz

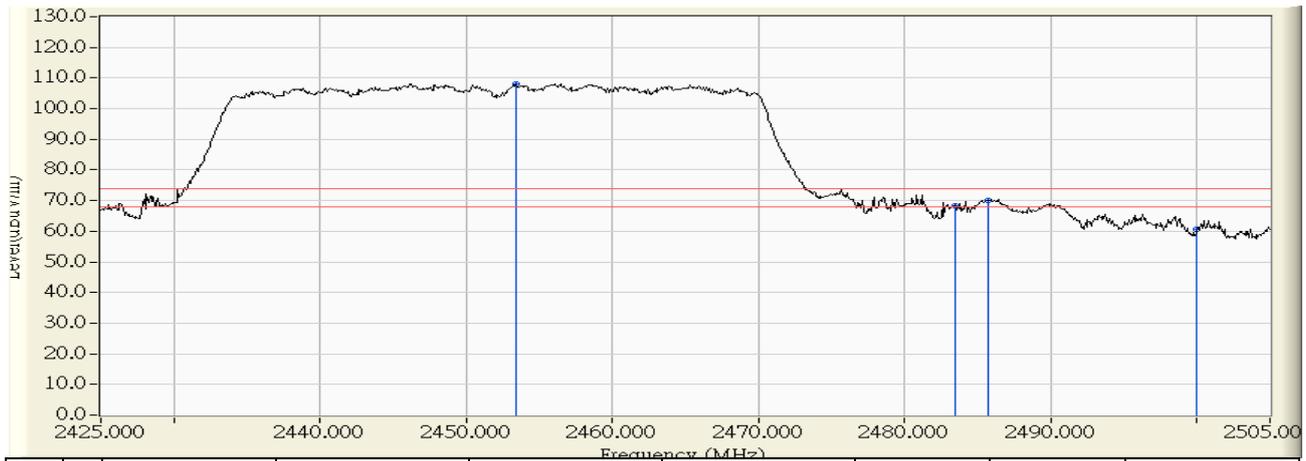


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2455.800	31.570	59.214	90.785	36.785	54.000	AVERAGE
2		2483.500	31.858	15.311	47.169	-6.831	54.000	AVERAGE
3		2485.480	31.878	14.661	46.540	-7.460	54.000	AVERAGE
4		2500.000	31.988	12.254	44.243	-9.757	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 : 2013/10/24 - 15:33
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_2452MHz

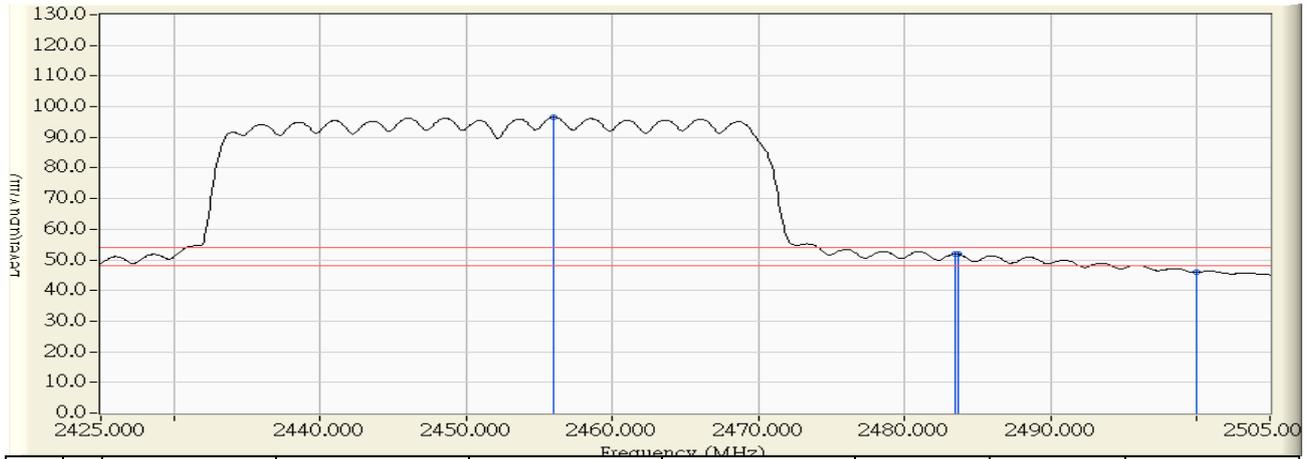


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2453.400	31.546	76.517	108.063	34.063	74.000	PEAK
2		2483.500	31.858	36.473	68.331	-5.669	74.000	PEAK
3		2485.720	31.881	38.317	70.198	-3.802	74.000	PEAK
4		2500.000	31.988	28.534	60.523	-13.477	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 : 2013/10/24 - 15:31
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_2452MHz

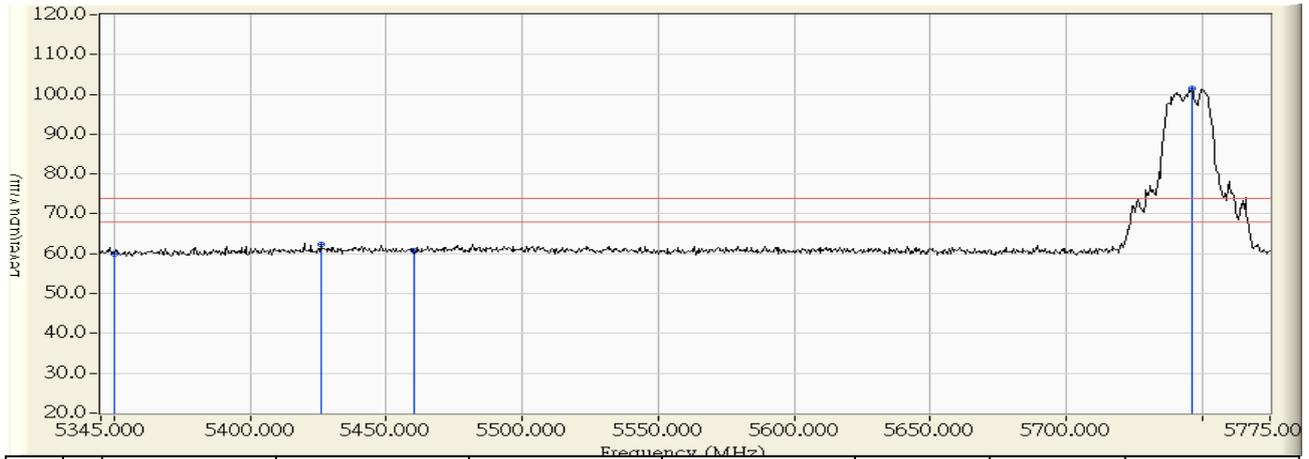


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2455.960	31.573	64.946	96.518	42.518	54.000	AVERAGE
2		2483.500	31.858	20.083	51.941	-2.059	54.000	AVERAGE
3		2483.640	31.859	20.016	51.875	-2.125	54.000	AVERAGE
4		2500.000	31.988	13.935	45.924	-8.076	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 : 2013/12/06 - 14:39
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) a_5745MHz

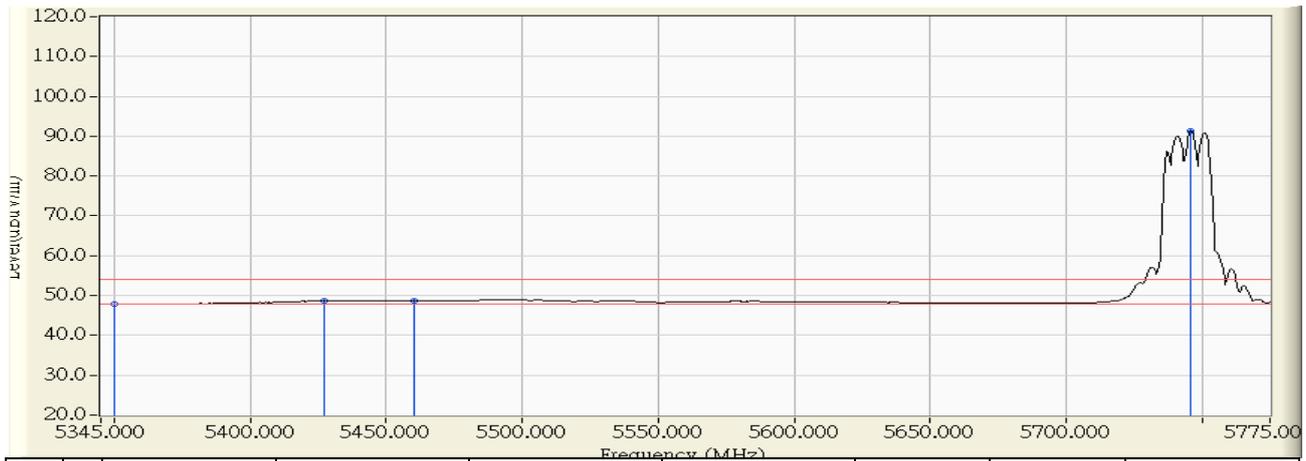


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	57.495	60.021	-13.979	74.000	PEAK
2	5425.840	3.114	59.249	62.363	-11.637	74.000	PEAK
3	5460.000	3.379	57.258	60.637	-13.363	74.000	PEAK
4	* 5746.190	2.739	98.666	101.405	27.405	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 : 2013/12/06 - 14:40
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) a_5745MHz

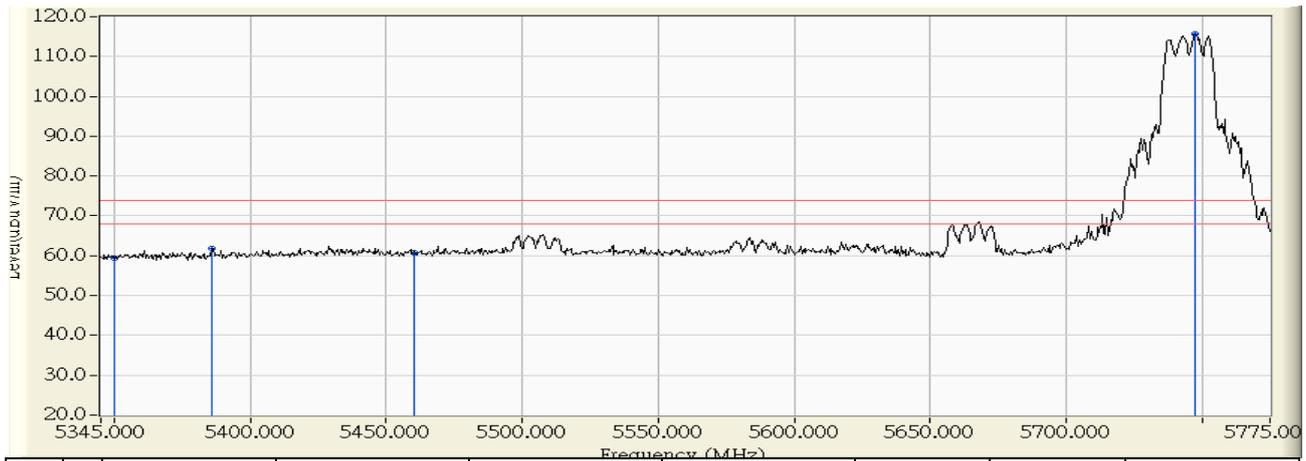


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	45.387	47.913	-6.087	54.000	AVERAGE
2	5427.130	3.125	45.489	48.613	-5.387	54.000	AVERAGE
3	5460.000	3.379	45.236	48.615	-5.385	54.000	AVERAGE
4	* 5745.760	2.741	88.522	91.263	37.263	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 : 2013/12/06 - 14:45
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) a_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	56.898	59.424	-14.576	74.000	PEAK
2	5385.850	2.804	59.047	61.851	-12.149	74.000	PEAK
3	5460.000	3.379	57.401	60.780	-13.220	74.000	PEAK
4	* 5747.480	2.734	113.059	115.793	41.793	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 : 2013/12/06 - 14:46
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) a_5745MHz

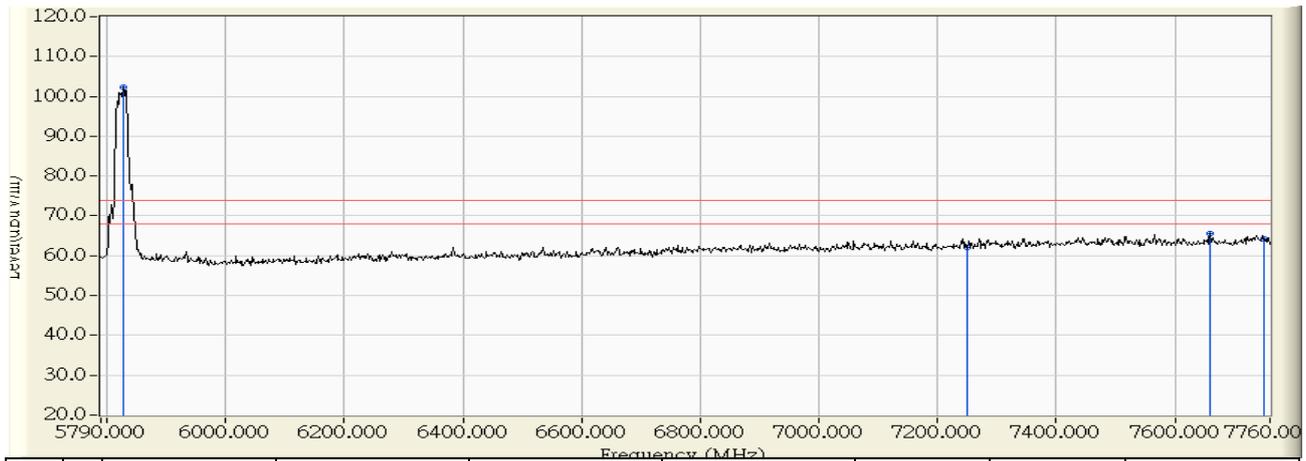


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	45.525	48.051	-5.949	54.000	AVERAGE
2	5449.060	3.294	45.736	49.030	-4.970	54.000	AVERAGE
3	5460.000	3.379	45.527	48.906	-5.094	54.000	AVERAGE
4	* 5747.480	2.734	102.913	105.647	51.647	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 : 2013/12/06 - 14:51
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) a_5825MHz

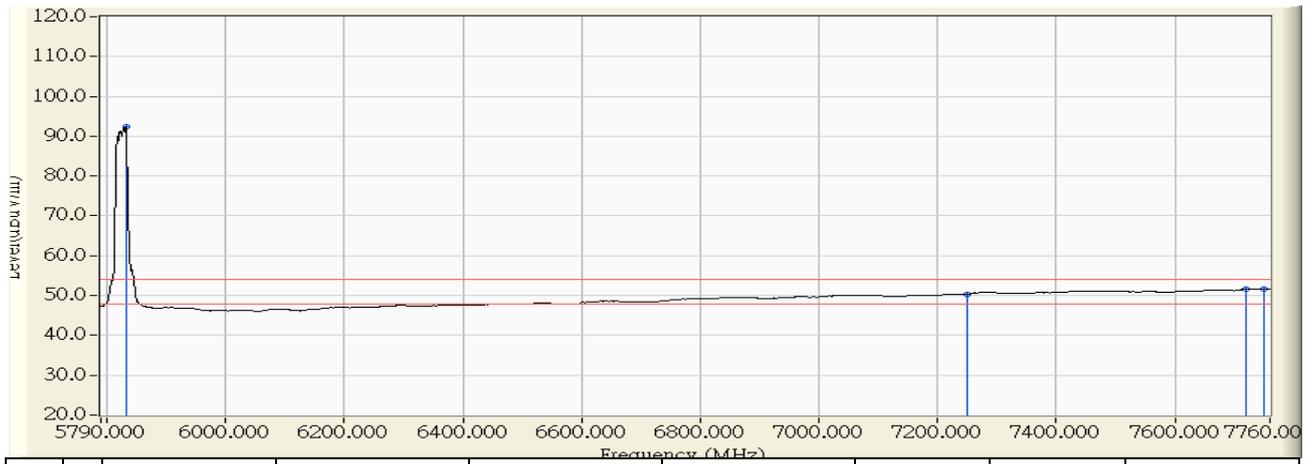


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5827.430	2.426	99.786	102.212	28.212	74.000	PEAK
2		7250.000	5.476	56.515	61.991	-12.009	74.000	PEAK
3		7659.530	6.290	59.166	65.457	-8.543	74.000	PEAK
4		7750.000	6.446	57.700	64.146	-9.854	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 : 2013/12/06 - 15:01
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) a_5825MHz

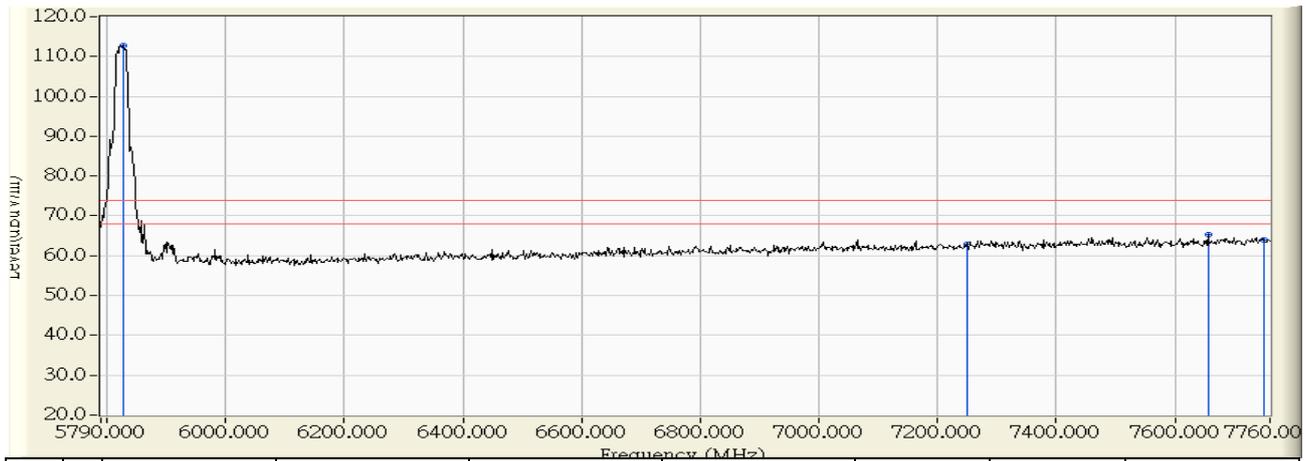


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5833.340	2.403	89.866	92.269	38.269	54.000	AVERAGE
2		7250.000	5.476	44.861	50.337	-3.663	54.000	AVERAGE
3		7718.630	6.392	45.209	51.601	-2.399	54.000	AVERAGE
4		7750.000	6.446	45.314	51.760	-2.240	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 : 2013/12/06 - 15:05
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) a_5825MHz

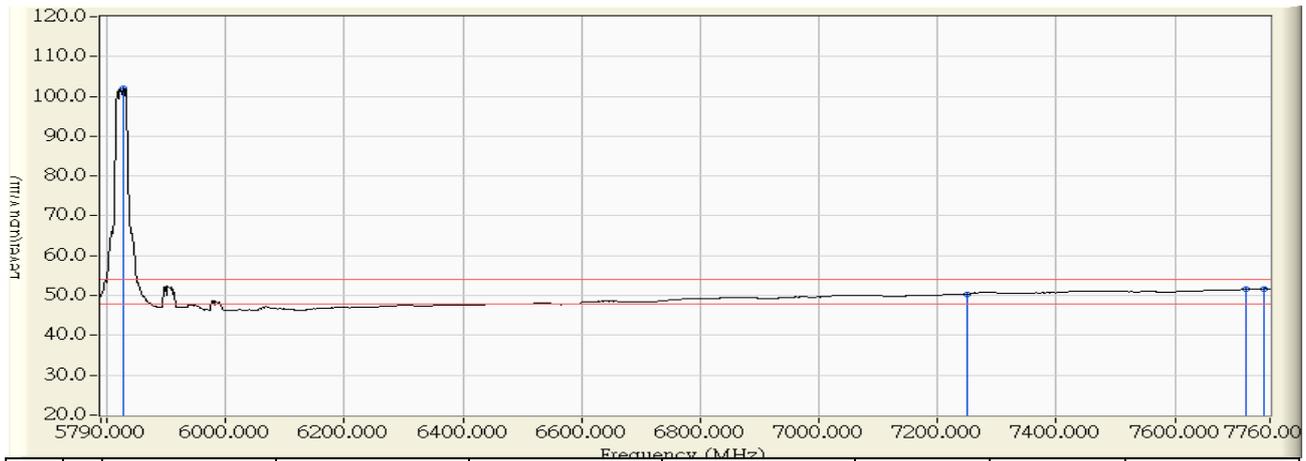


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5827.430	2.426	110.314	112.740	38.740	74.000	PEAK
2		7250.000	5.476	57.427	62.903	-11.097	74.000	PEAK
3		7655.590	6.284	58.893	65.177	-8.823	74.000	PEAK
4		7750.000	6.446	57.606	64.052	-9.948	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 : 2013/12/06 - 15:17
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) a_5825MHz

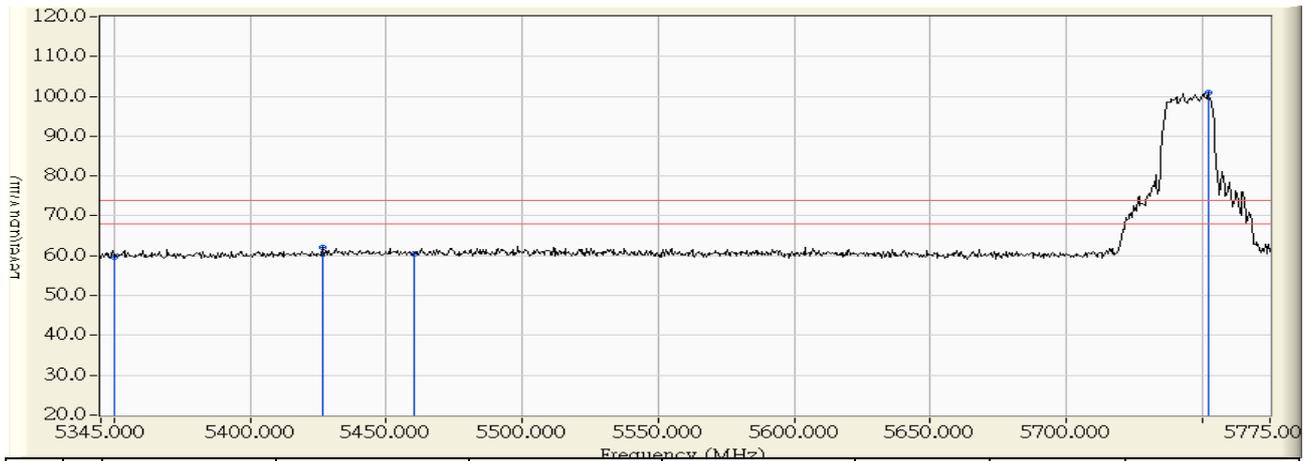


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5827.430	2.426	99.627	102.053	48.053	54.000	AVERAGE
2		7250.000	5.476	44.845	50.321	-3.679	54.000	AVERAGE
3		7718.630	6.392	45.190	51.582	-2.418	54.000	AVERAGE
4		7750.000	6.446	45.314	51.760	-2.240	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 : 2013/12/06 - 15:23
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_5745MHz

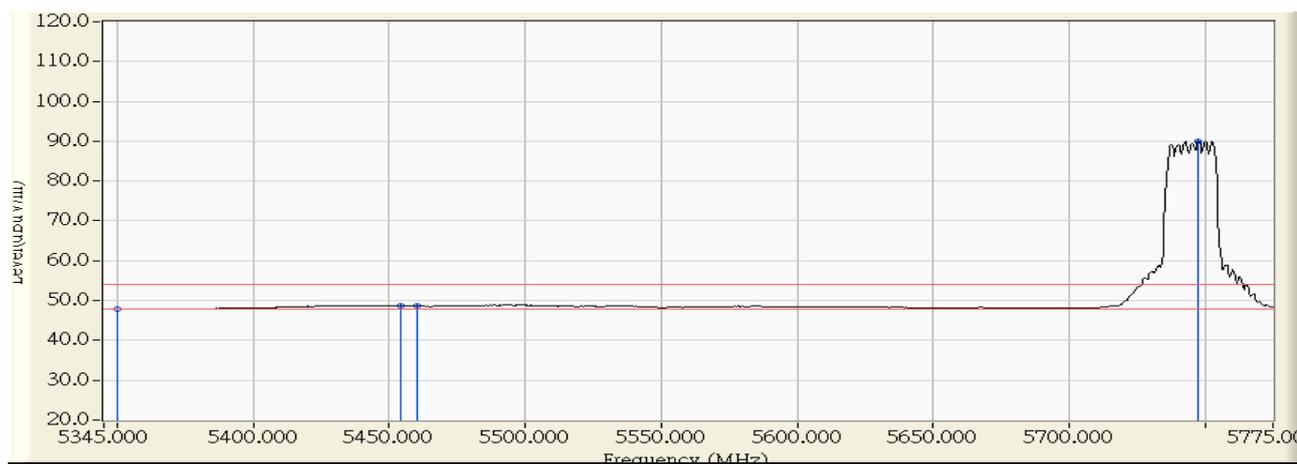


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	57.180	59.706	-14.294	74.000	PEAK
2	5426.700	3.122	58.873	61.994	-12.006	74.000	PEAK
3	5460.000	3.379	57.022	60.401	-13.599	74.000	PEAK
4	* 5752.210	2.716	98.232	100.948	26.948	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 : 2013/12/06 - 15:24
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_5745MHz

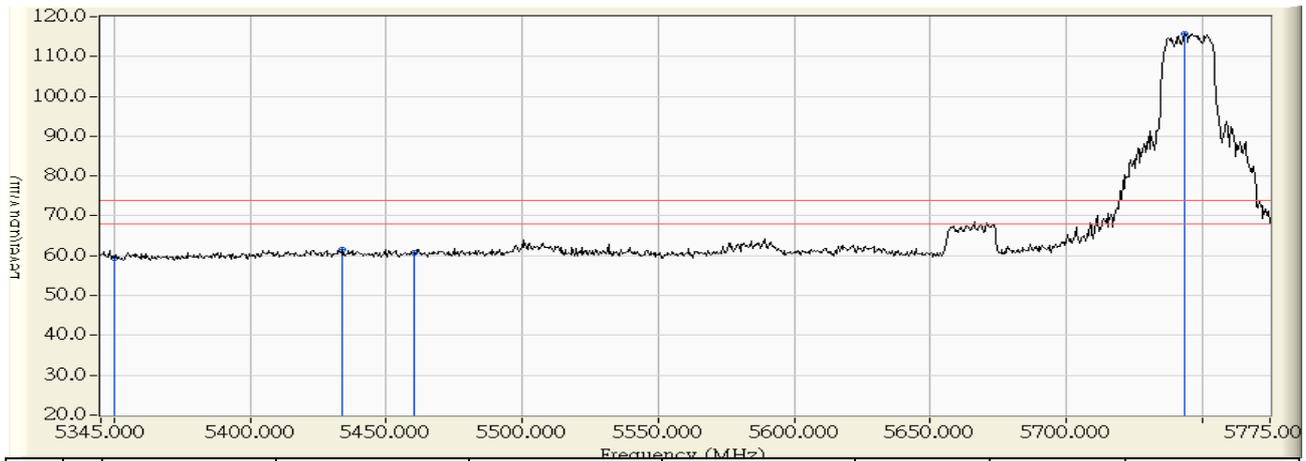


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	45.361	47.887	-6.113	54.000	AVERAGE
2	5454.220	3.334	45.261	48.596	-5.404	54.000	AVERAGE
3	5460.000	3.379	45.207	48.586	-5.414	54.000	AVERAGE
4	* 5747.480	2.734	87.345	90.079	36.079	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2013/12/06 - 15:30
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_5745MHz

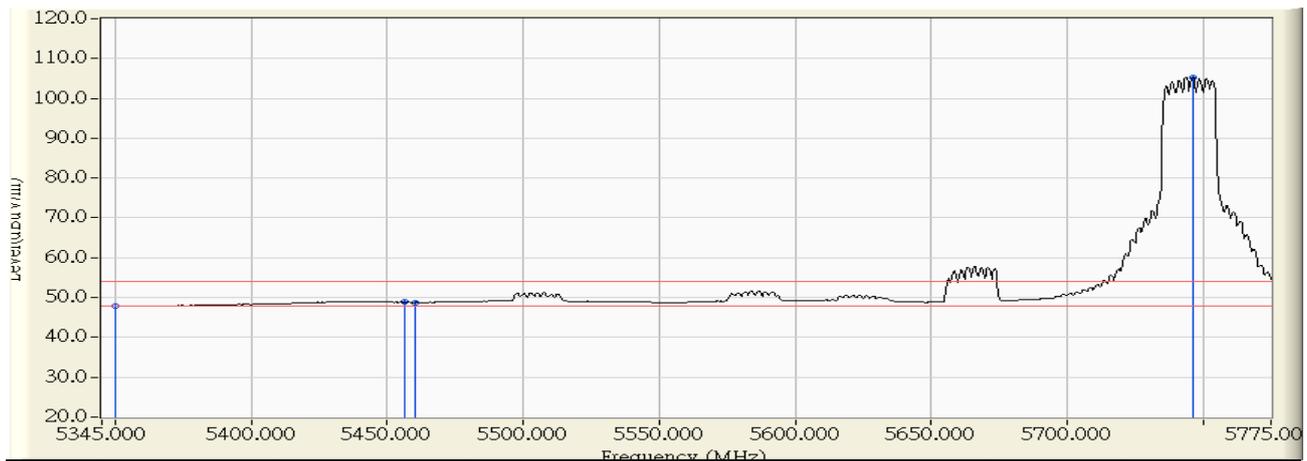


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	57.015	59.541	-14.459	74.000	PEAK
2	5434.010	3.178	58.488	61.666	-12.334	74.000	PEAK
3	5460.000	3.379	57.316	60.695	-13.305	74.000	PEAK
4	* 5743.610	2.749	113.089	115.838	41.838	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 : 2013/12/06 - 15:31
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_5745MHz

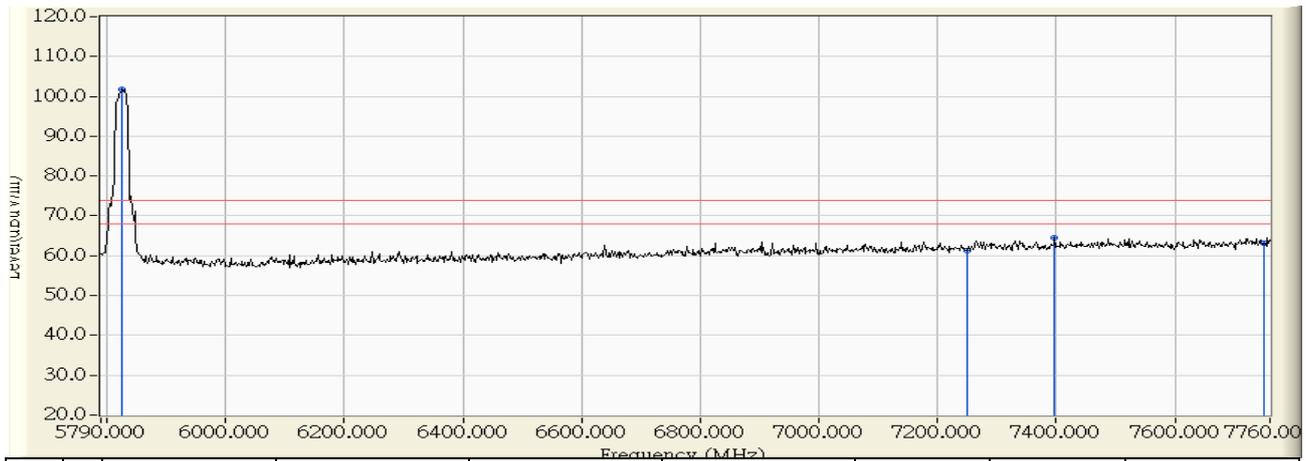


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	45.409	47.935	-6.065	54.000	AVERAGE
2	5456.370	3.351	45.477	48.828	-5.172	54.000	AVERAGE
3	5460.000	3.379	45.428	48.807	-5.193	54.000	AVERAGE
4	* 5746.190	2.739	102.637	105.376	51.376	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 : 2013/12/06 - 15:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_5825MHz

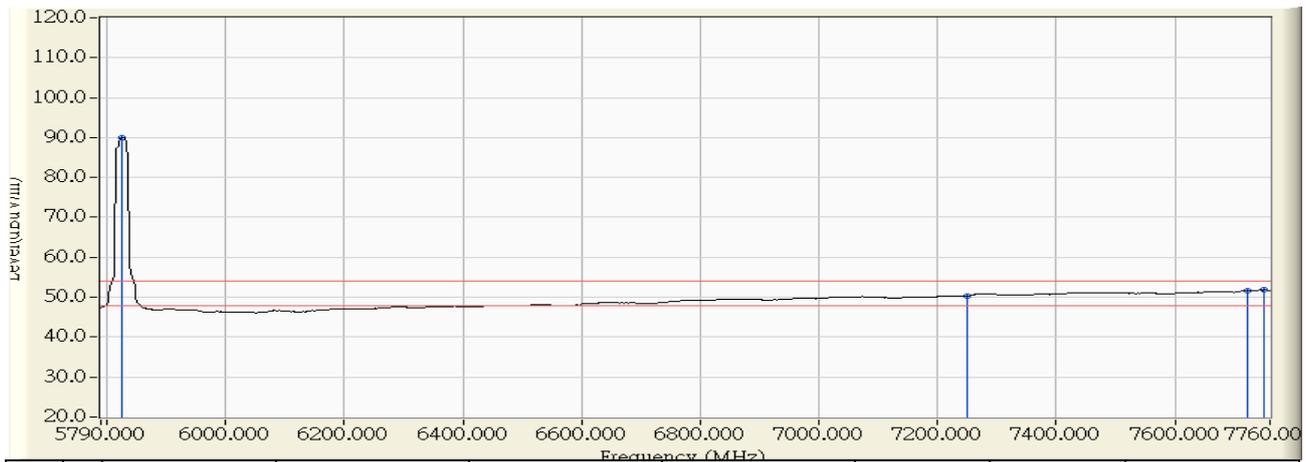


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5825.460	2.433	99.293	101.726	27.726	74.000	PEAK
2		7250.000	5.476	55.915	61.391	-12.609	74.000	PEAK
3		7397.520	5.794	58.646	64.441	-9.559	74.000	PEAK
4		7750.000	6.446	56.827	63.273	-10.727	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 : 2013/12/06 - 15:45
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_5825MHz

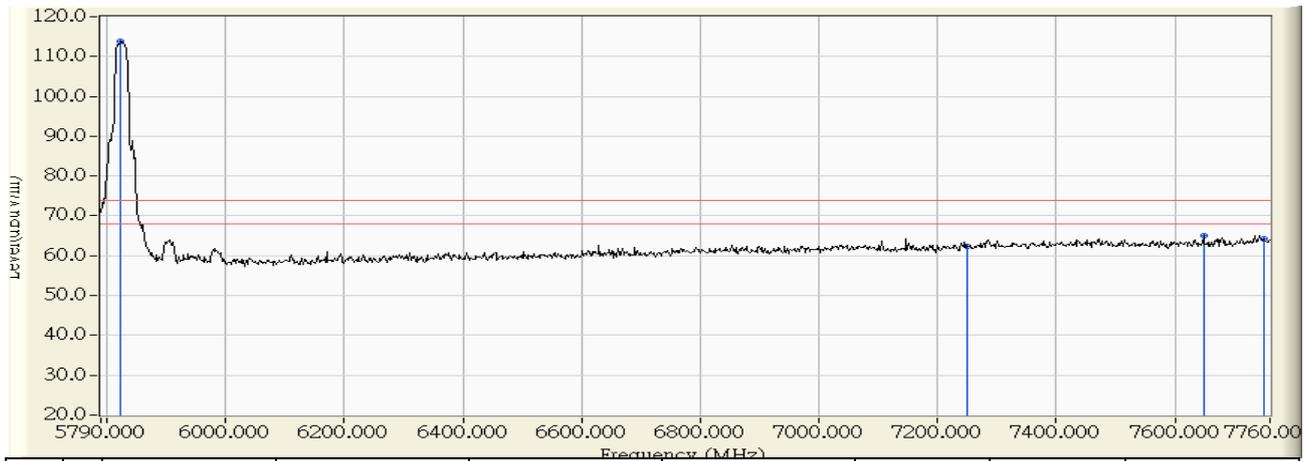


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5825.460	2.433	87.664	90.097	36.097	54.000	AVERAGE
2		7250.000	5.476	44.896	50.372	-3.628	54.000	AVERAGE
3		7722.570	6.399	45.230	51.629	-2.371	54.000	AVERAGE
4		7750.000	6.446	45.331	51.777	-2.223	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 : 2013/12/06 - 15:48
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_5825MHz

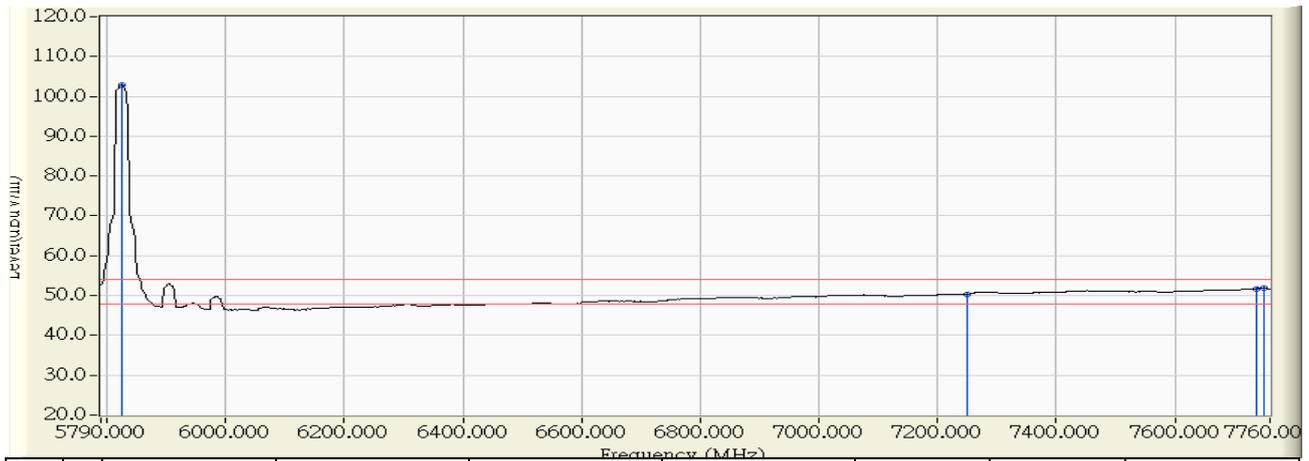


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5823.490	2.441	111.426	113.867	39.867	74.000	PEAK
2		7250.000	5.476	56.902	62.378	-11.622	74.000	PEAK
3		7647.710	6.270	58.853	65.123	-8.877	74.000	PEAK
4		7750.000	6.446	57.794	64.240	-9.760	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 : 2013/12/06 - 15:58
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n20_5825MHz

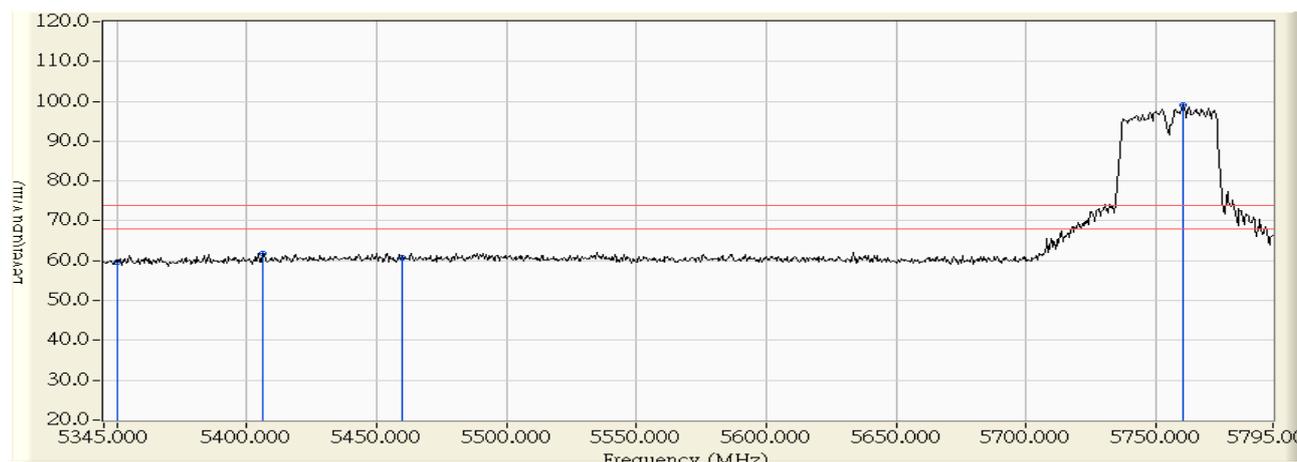


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5825.460	2.433	100.536	102.969	48.969	54.000	AVERAGE
2		7250.000	5.476	44.895	50.371	-3.629	54.000	AVERAGE
3		7736.360	6.423	45.315	51.738	-2.262	54.000	AVERAGE
4		7750.000	6.446	45.356	51.802	-2.198	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 : 2013/12/06 - 16:05
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_5755MHz

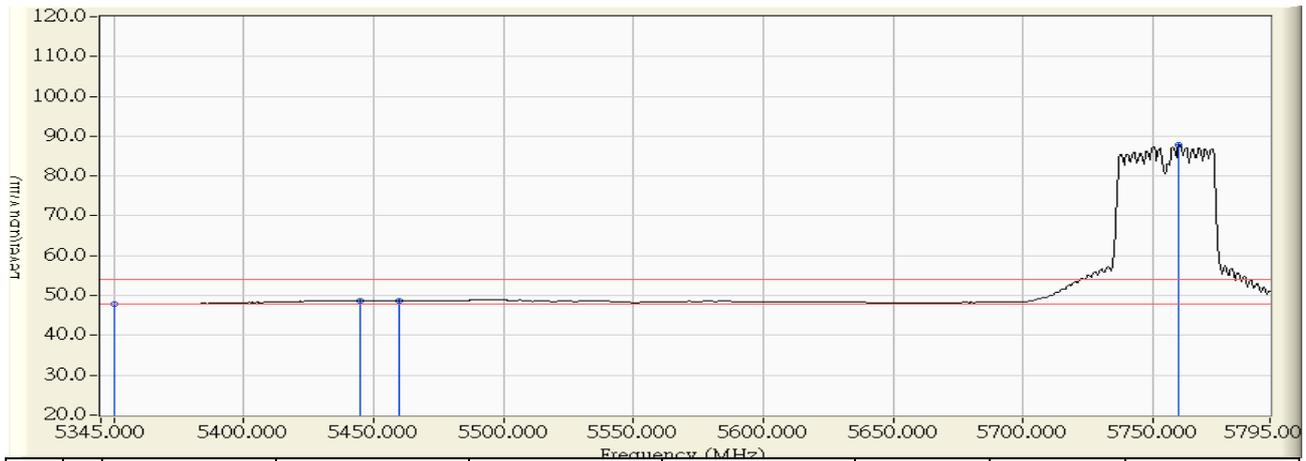


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	57.262	59.788	-14.212	74.000	PEAK
2	5406.200	2.962	58.970	61.932	-12.068	74.000	PEAK
3	5460.000	3.379	57.466	60.845	-13.155	74.000	PEAK
4	* 5760.350	2.685	96.305	98.989	24.989	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 : 2013/12/06 - 16:06
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_5755MHz

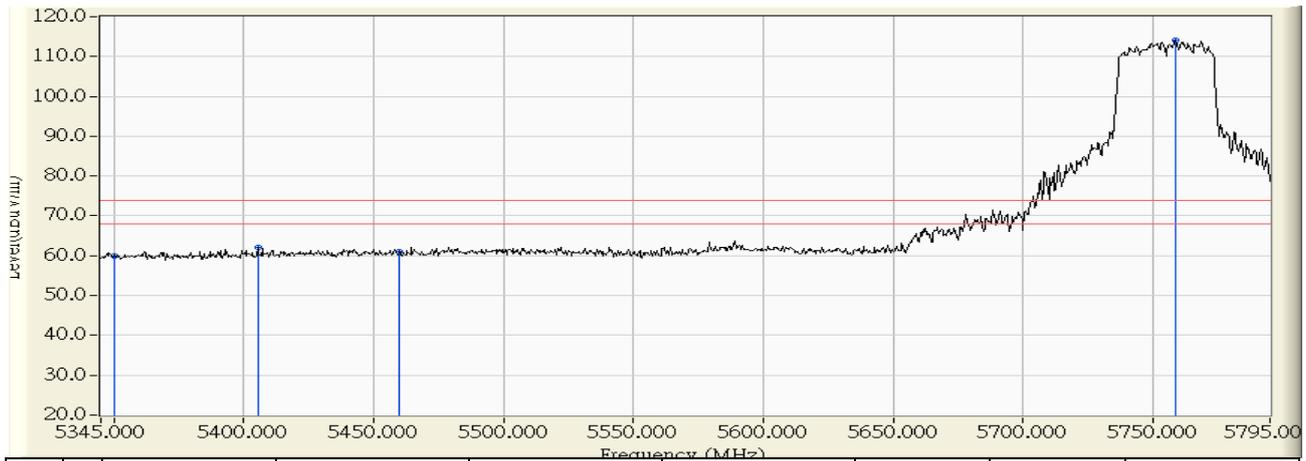


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	45.383	47.909	-6.091	54.000	AVERAGE
2	5444.900	3.262	45.425	48.687	-5.313	54.000	AVERAGE
3	5460.000	3.379	45.230	48.609	-5.391	54.000	AVERAGE
4	* 5759.900	2.686	85.251	87.937	33.937	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 : 2013/12/06 - 16:10
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_5755MHz

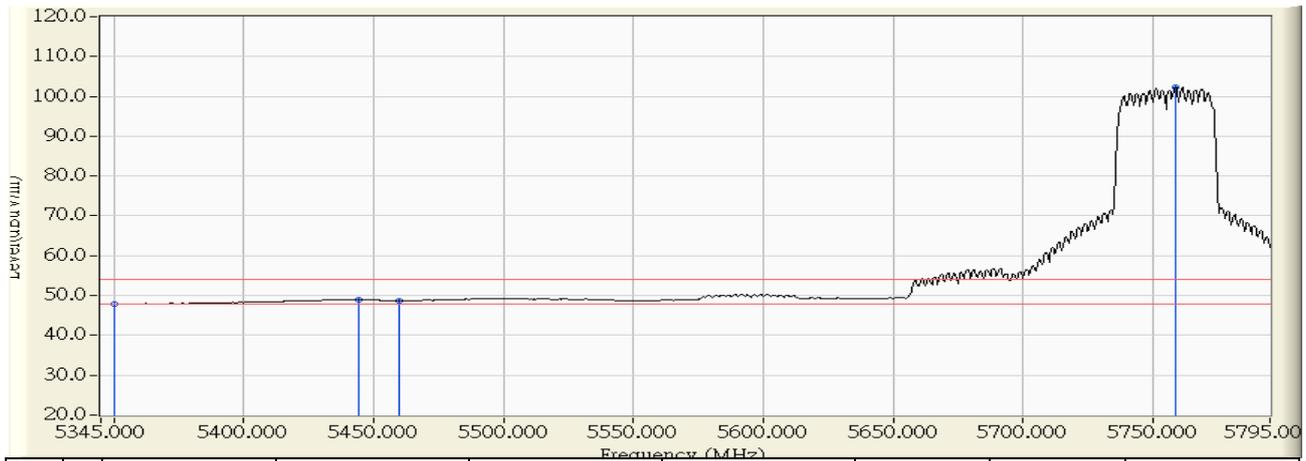


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	57.397	59.923	-14.077	74.000	PEAK
2	5405.300	2.955	59.082	62.037	-11.963	74.000	PEAK
3	5460.000	3.379	57.671	61.050	-12.950	74.000	PEAK
4	* 5758.550	2.692	111.278	113.969	39.969	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 : 2013/12/06 - 16:11
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_5755MHz

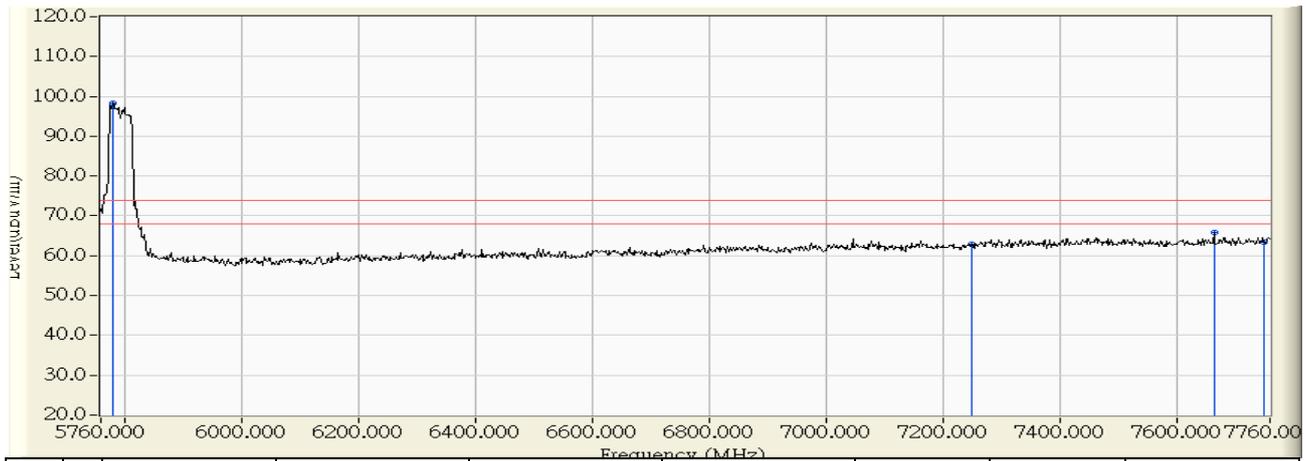


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	45.420	47.946	-6.054	54.000	AVERAGE
2	5444.000	3.255	45.578	48.833	-5.167	54.000	AVERAGE
3	5460.000	3.379	45.377	48.756	-5.244	54.000	AVERAGE
4	* 5758.550	2.692	99.563	102.254	48.254	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 : 2013/12/06 - 16:17
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_5795MHz

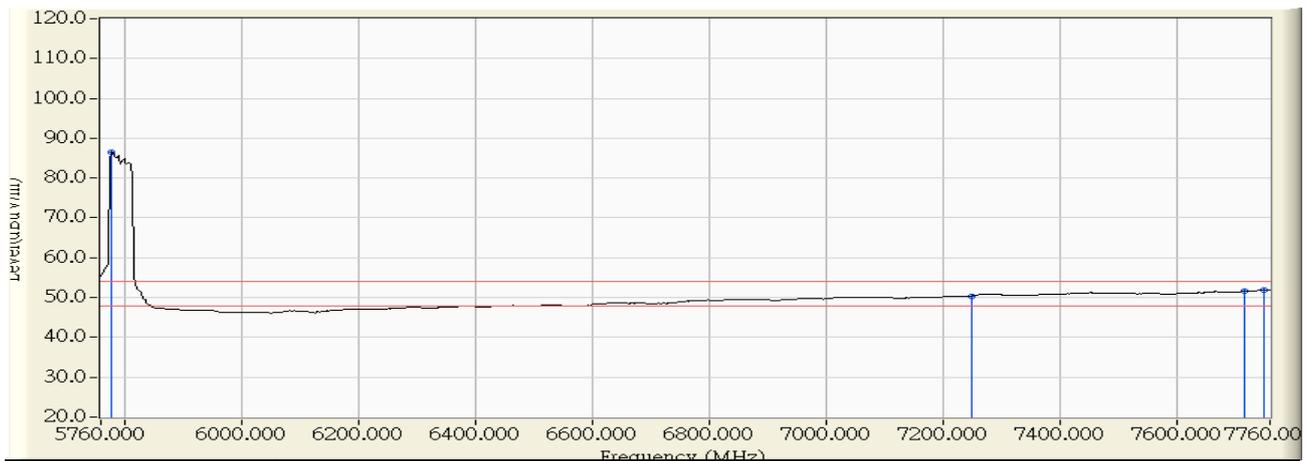


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5780.000	2.609	95.609	98.218	24.218	74.000	PEAK
2		7250.000	5.476	57.349	62.825	-11.175	74.000	PEAK
3		7664.000	6.298	59.514	65.812	-8.188	74.000	PEAK
4		7750.000	6.446	57.012	63.458	-10.542	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 : 2013/12/06 - 16:31
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_5795MHz

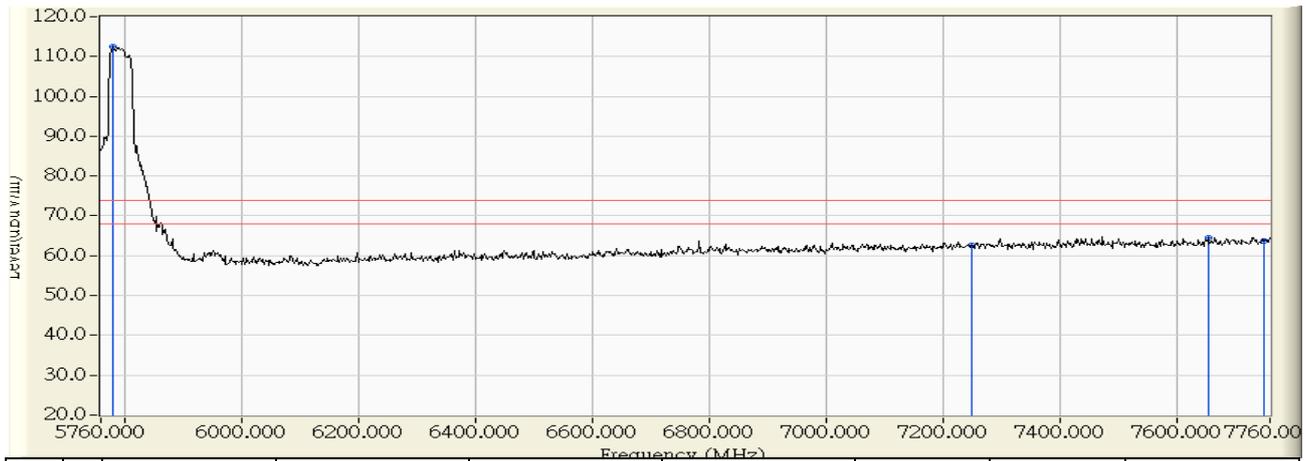


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5778.000	2.616	83.911	86.527	32.527	54.000	AVERAGE
2		7250.000	5.476	44.933	50.409	-3.591	54.000	AVERAGE
3		7716.000	6.388	45.211	51.599	-2.401	54.000	AVERAGE
4		7750.000	6.446	45.363	51.809	-2.191	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 : 2013/12/06 - 16:34
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_5795MHz

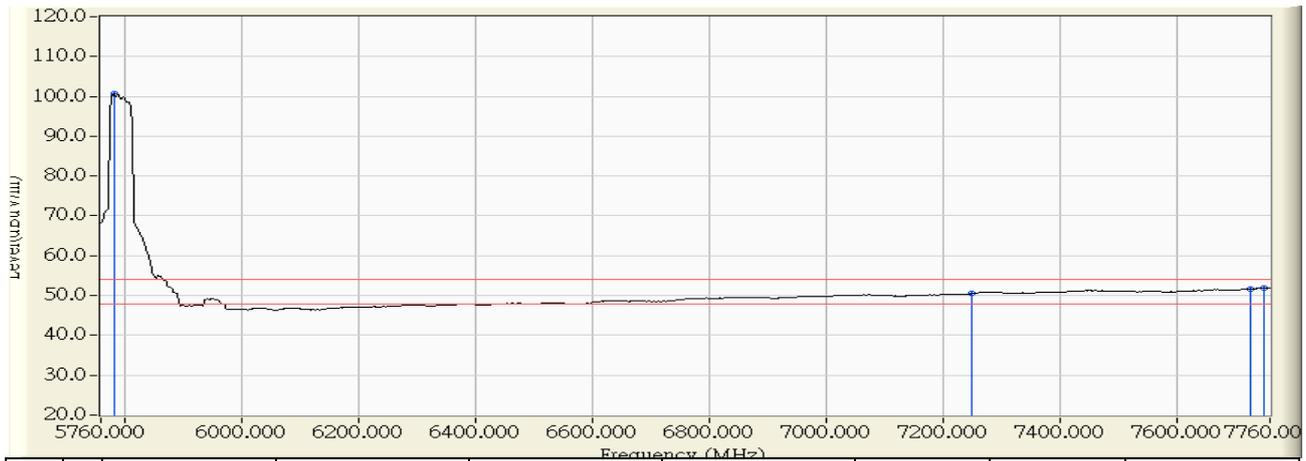


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5780.000	2.609	109.794	112.403	38.403	74.000	PEAK
2		7250.000	5.476	57.165	62.641	-11.359	74.000	PEAK
3		7654.000	6.281	58.194	64.475	-9.525	74.000	PEAK
4		7750.000	6.446	57.157	63.603	-10.397	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 : 2013/12/06 - 16:44
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11n40_5795MHz

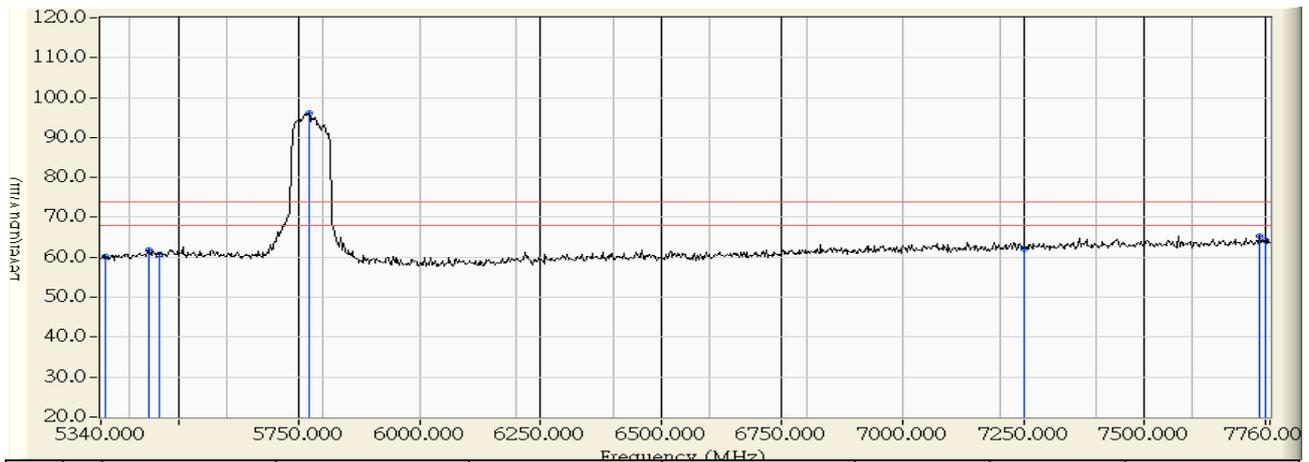


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5782.000	2.601	98.093	100.694	46.694	54.000	AVERAGE
2		7250.000	5.476	44.964	50.440	-3.560	54.000	AVERAGE
3		7726.000	6.405	45.332	51.737	-2.263	54.000	AVERAGE
4		7750.000	6.446	45.386	51.832	-2.168	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 : 2013/12/06 - 16:49
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11ac80_5775MHz

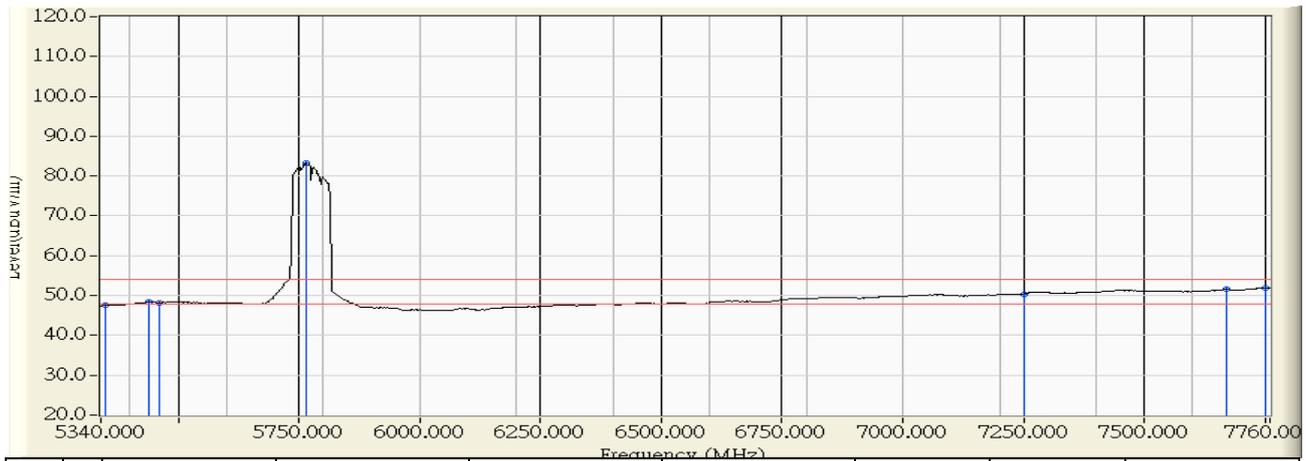


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	57.625	60.151	-13.849	74.000	PEAK
2	5439.220	3.218	58.569	61.787	-12.213	74.000	PEAK
3	5460.000	3.379	57.488	60.867	-13.133	74.000	PEAK
4	* 5770.760	2.644	93.365	96.009	22.009	74.000	PEAK
5	7250.000	5.476	56.740	62.216	-11.784	74.000	PEAK
6	7738.220	6.426	58.896	65.322	-8.678	74.000	PEAK
7	7750.000	6.446	57.709	64.155	-9.845	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 : 2013/12/06 - 17:01
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11ac80_5775MHz

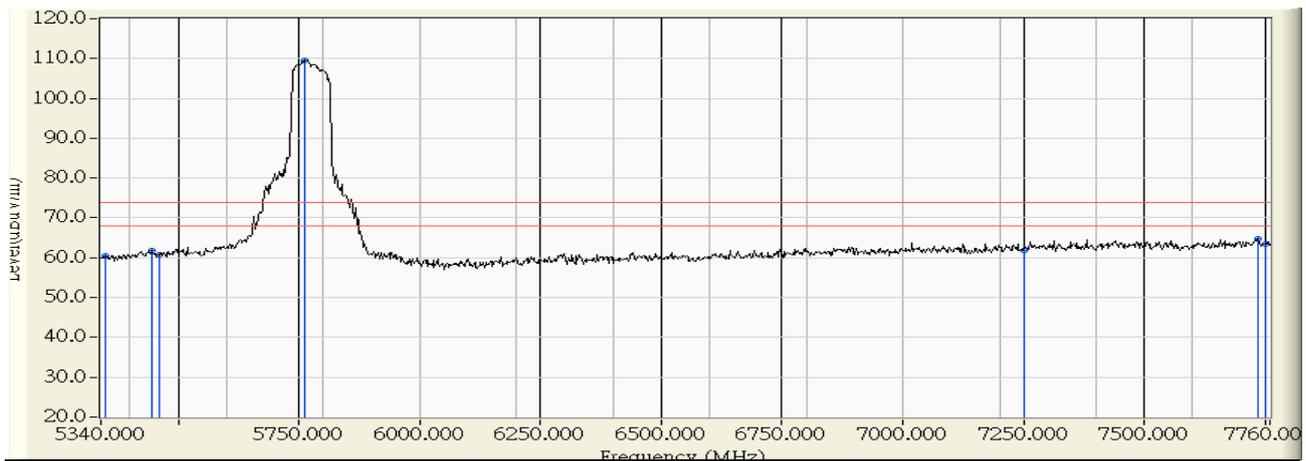


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5350.000	2.526	45.021	47.547	-6.453	54.000	AVERAGE
2	5439.220	3.218	45.166	48.384	-5.616	54.000	AVERAGE
3	5460.000	3.379	44.884	48.263	-5.737	54.000	AVERAGE
4	* 5765.920	2.663	80.512	83.175	29.175	54.000	AVERAGE
5	7250.000	5.476	44.952	50.428	-3.572	54.000	AVERAGE
6	7670.460	6.310	45.214	51.523	-2.477	54.000	AVERAGE
7	7750.000	6.446	45.414	51.860	-2.140	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 : 2013/12/06 - 17:05
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11ac80_5775MHz

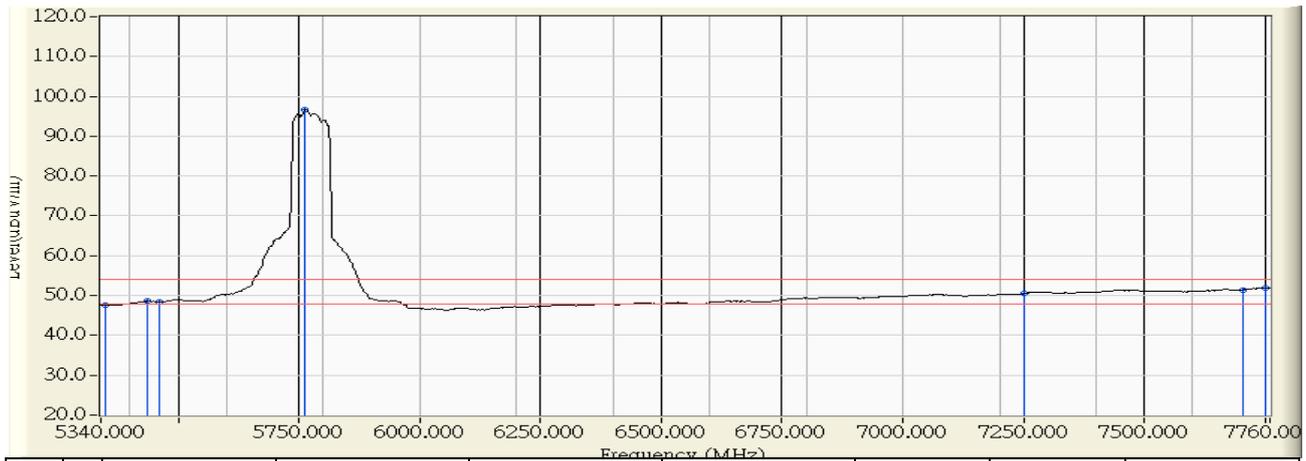


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBUV)	Measure Level (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Detector Type
1	5350.000	2.526	57.935	60.461	-13.539	74.000	PEAK
2	5444.060	3.255	58.453	61.709	-12.291	74.000	PEAK
3	5460.000	3.379	57.245	60.624	-13.376	74.000	PEAK
4	* 5761.080	2.682	106.846	109.528	35.528	74.000	PEAK
5	7250.000	5.476	56.390	61.866	-12.134	74.000	PEAK
6	7735.800	6.422	58.299	64.721	-9.279	74.000	PEAK
7	7750.000	6.446	56.936	63.382	-10.618	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 : 2013/12/06 - 17:17
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB4_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 3.3V (Power by PC)
EUT : PCE-AC56 Dual-Band Wireless PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 802.11ac80_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	45.105	47.631	-6.369	54.000	AVERAGE
2	5436.800	3.199	45.371	48.570	-5.430	54.000	AVERAGE
3	5460.000	3.379	45.103	48.482	-5.518	54.000	AVERAGE
4	* 5763.500	2.672	94.031	96.703	42.703	54.000	AVERAGE
5	7250.000	5.476	44.958	50.434	-3.566	54.000	AVERAGE
6	7704.340	6.368	45.120	51.488	-2.512	54.000	AVERAGE
7	7750.000	6.446	45.428	51.874	-2.126	54.000	AVERAGE

Note:

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

7. Occupied Bandwidth

7.1. Test Equipment

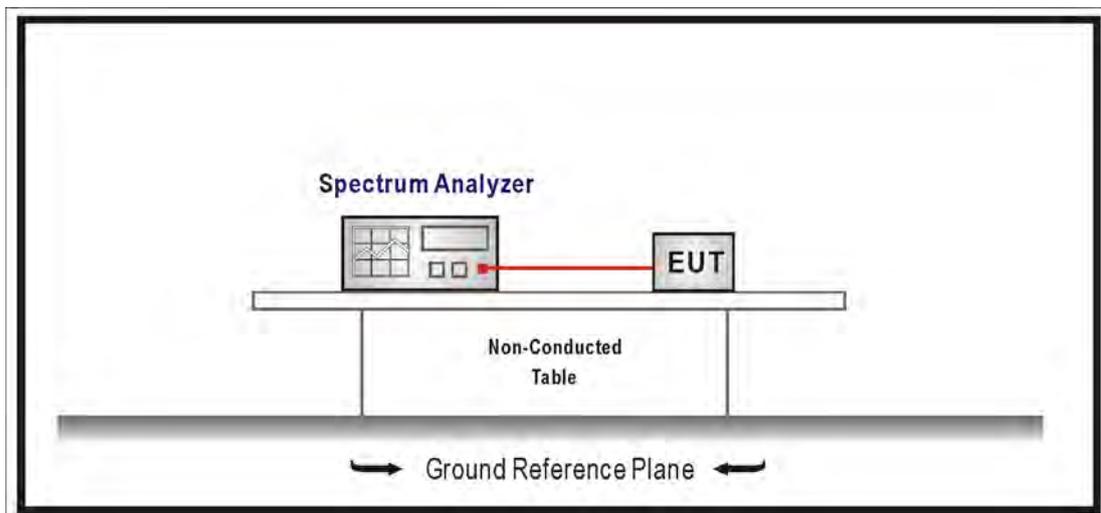
The following test equipments are used during the test:

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 C63.4: 2009; tested according to DTS test procedure section 8.1 of KDB558074 v03r01 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100KHz, VBW ≥ 3xRBW, Sweep time=Auto, Set Peak detector.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

7.6. Uncertainty

The measurement uncertainty is defined as ±150Hz

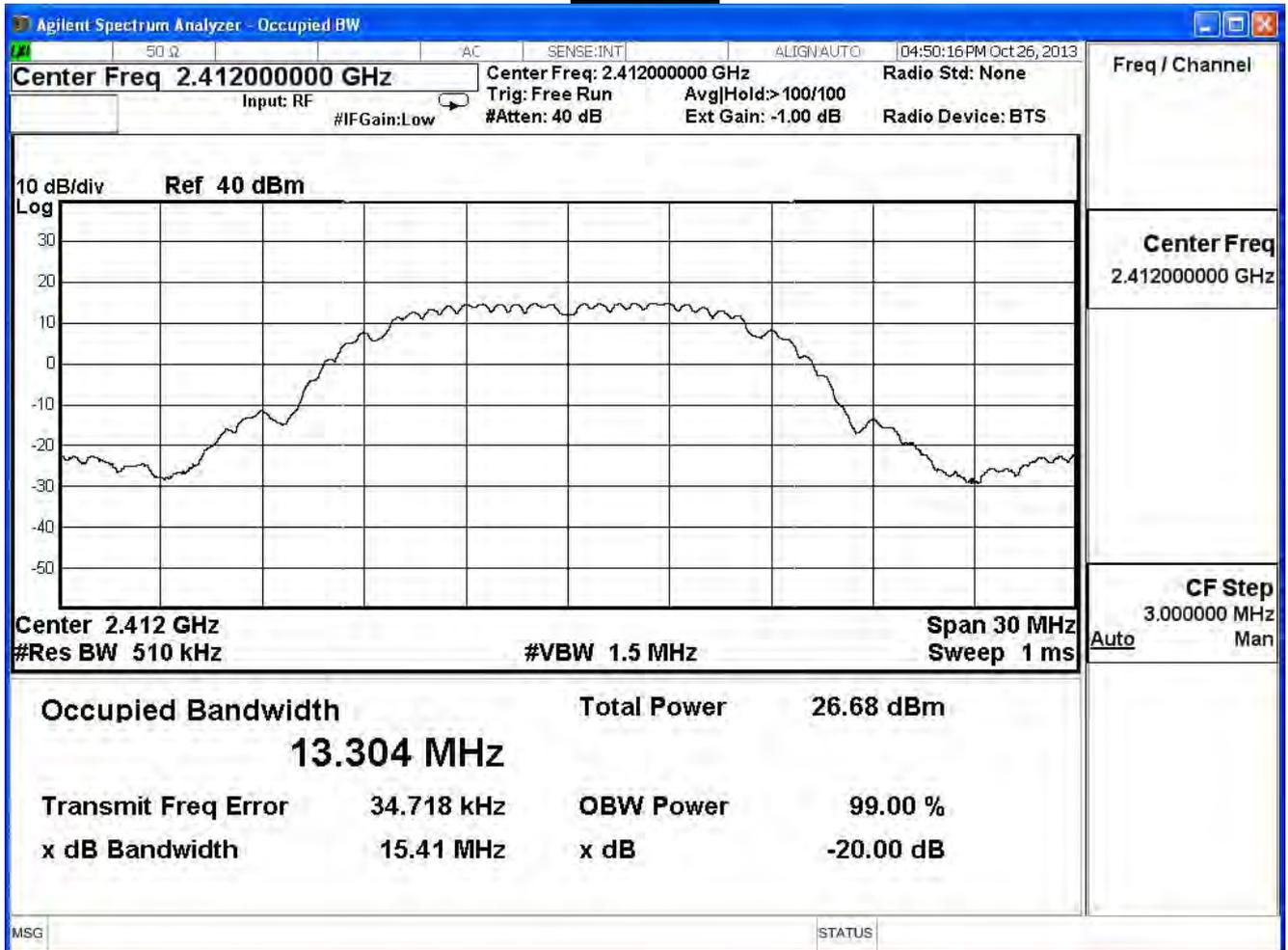
7.7. Test Result

Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/10/26	Test Site	SR7

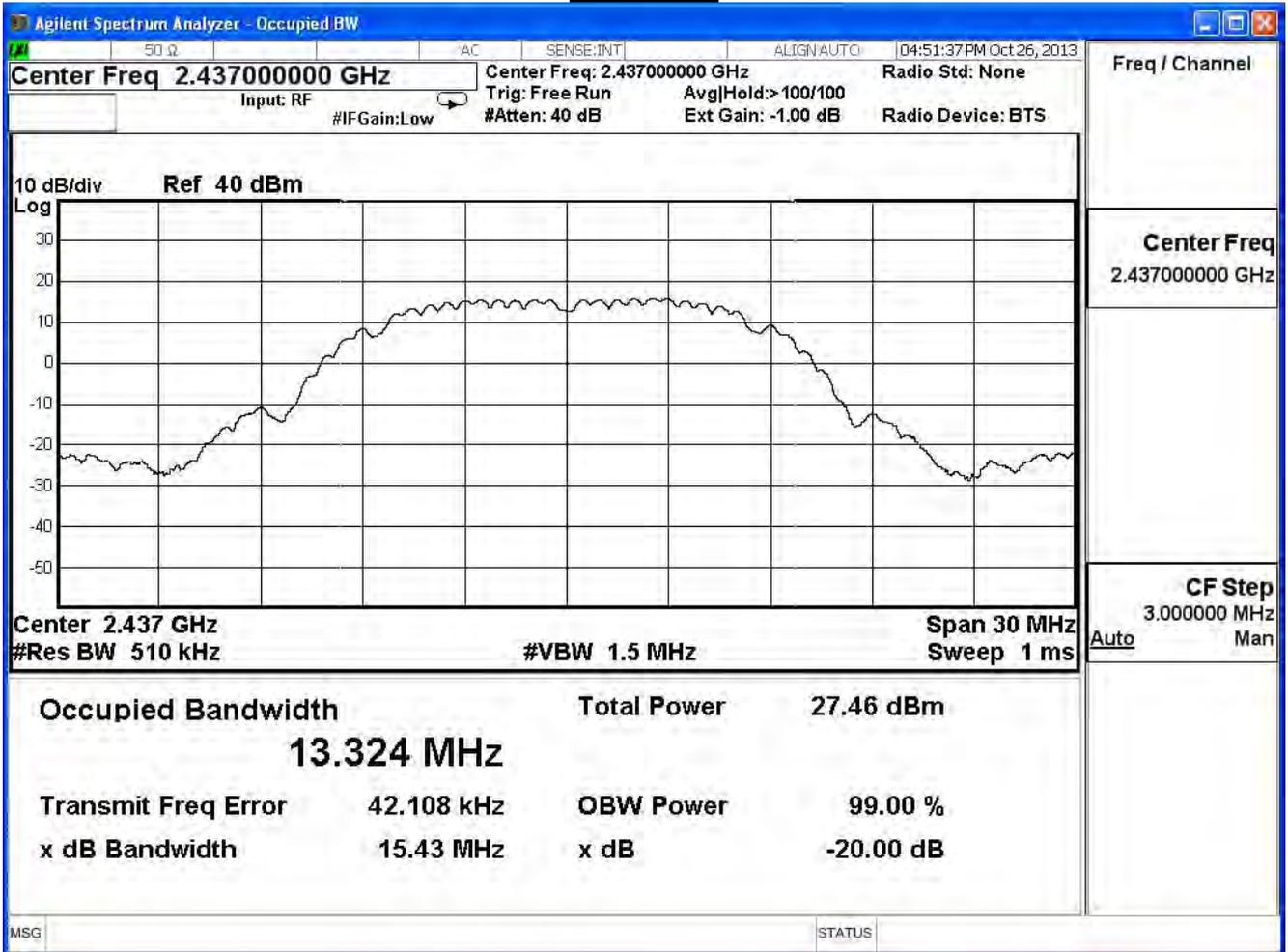
802.11 b (ANT0)

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	15.41	≥ 0.5	Pass
6	2437	15.43	≥ 0.5	Pass
11	2462	15.37	≥ 0.5	Pass

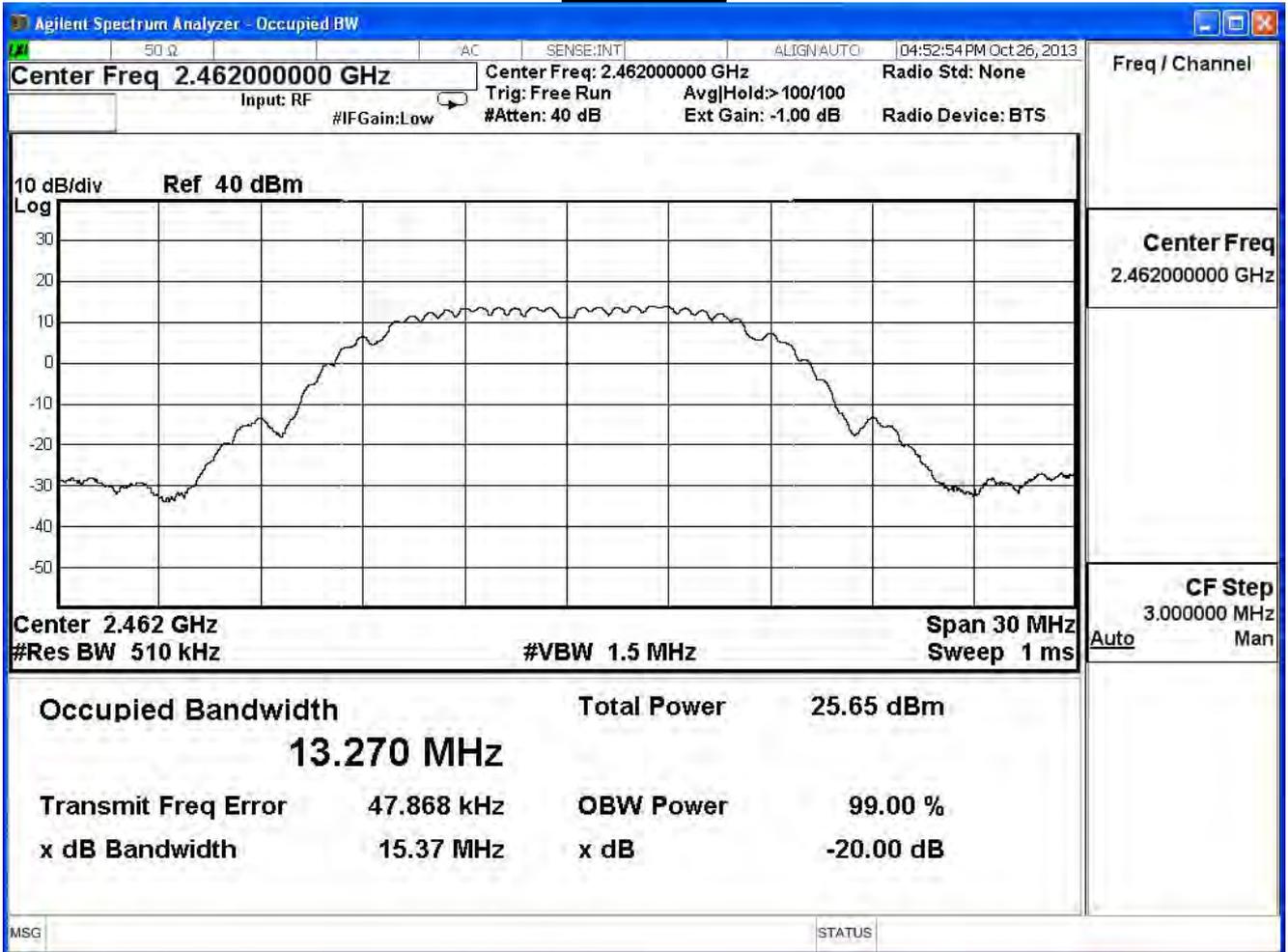
Channel 1



Channel 6



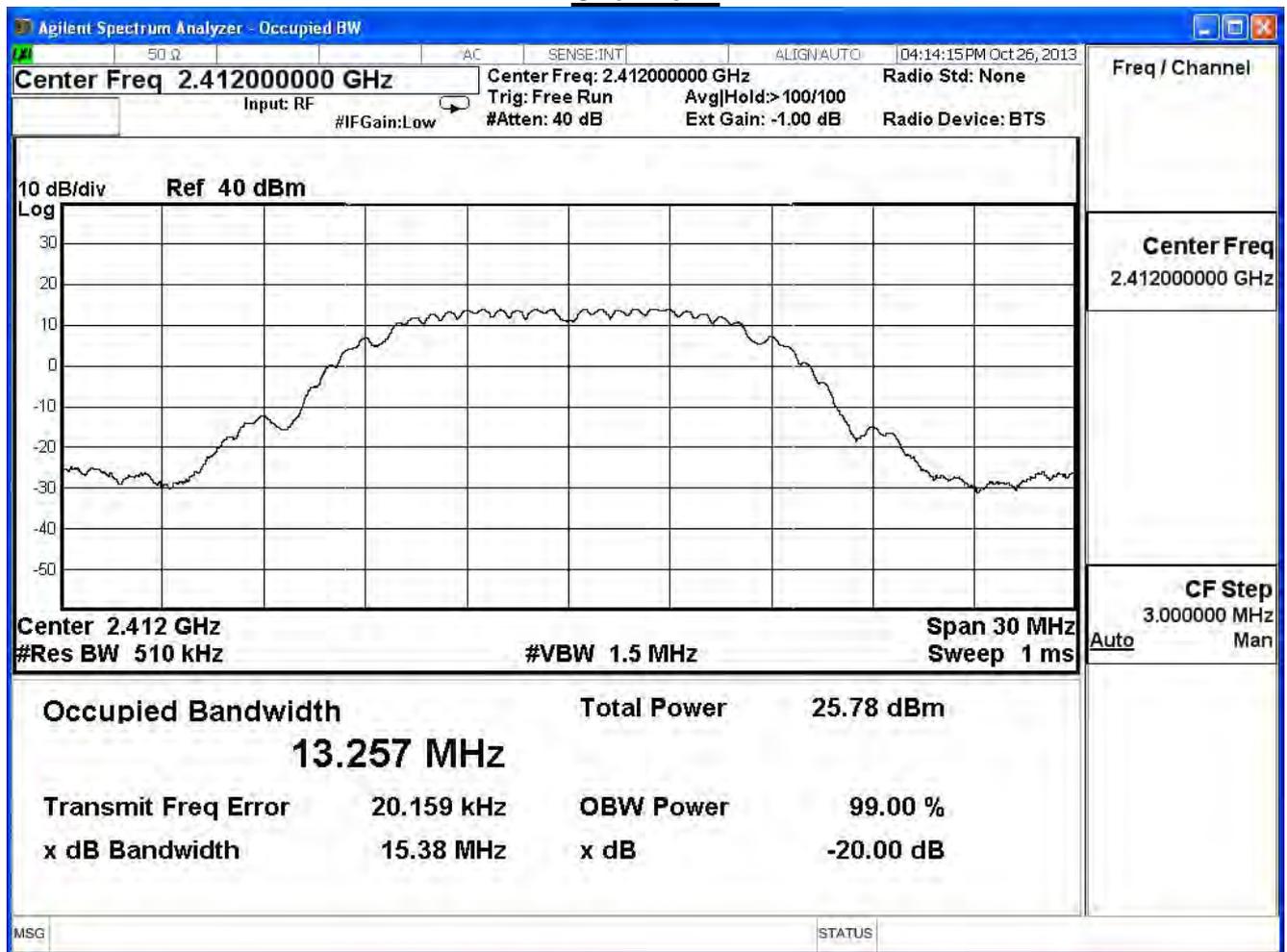
Channel 11



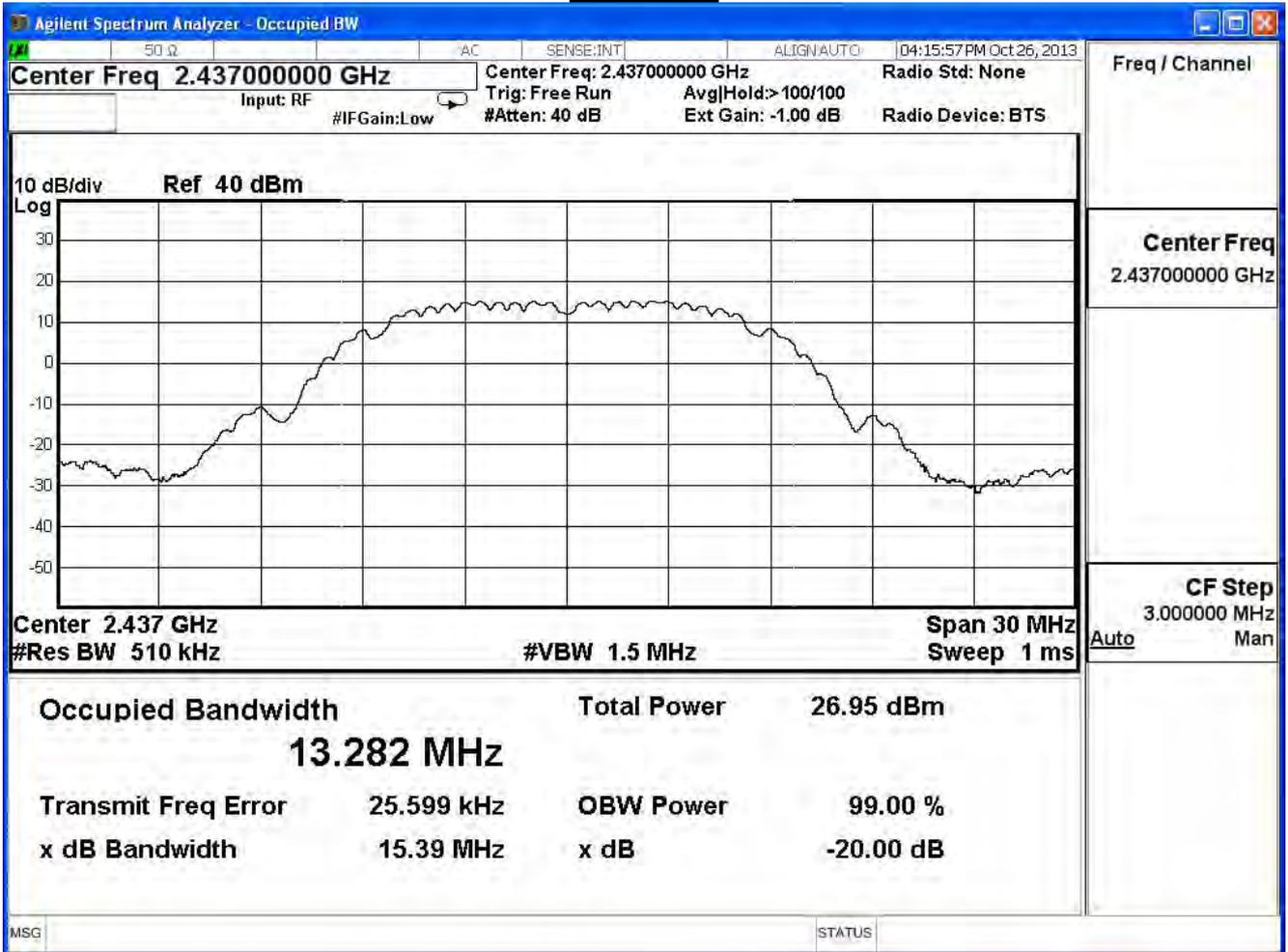
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/10/26	Test Site	SR7

802.11 b (ANT1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	15.38	≥ 0.5	Pass
6	2437	15.39	≥ 0.5	Pass
11	2462	15.34	≥ 0.5	Pass

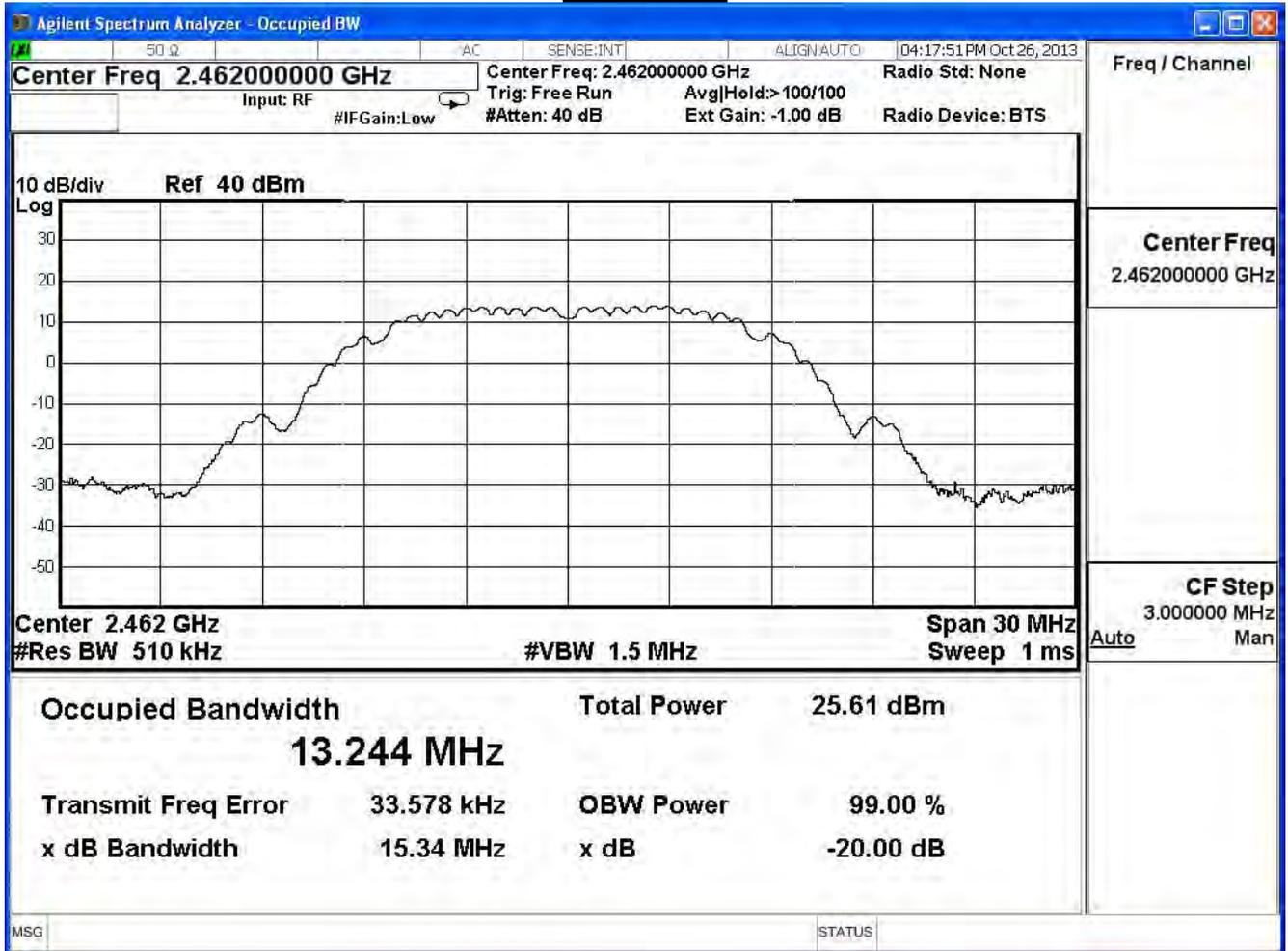
Channel 1



Channel 6



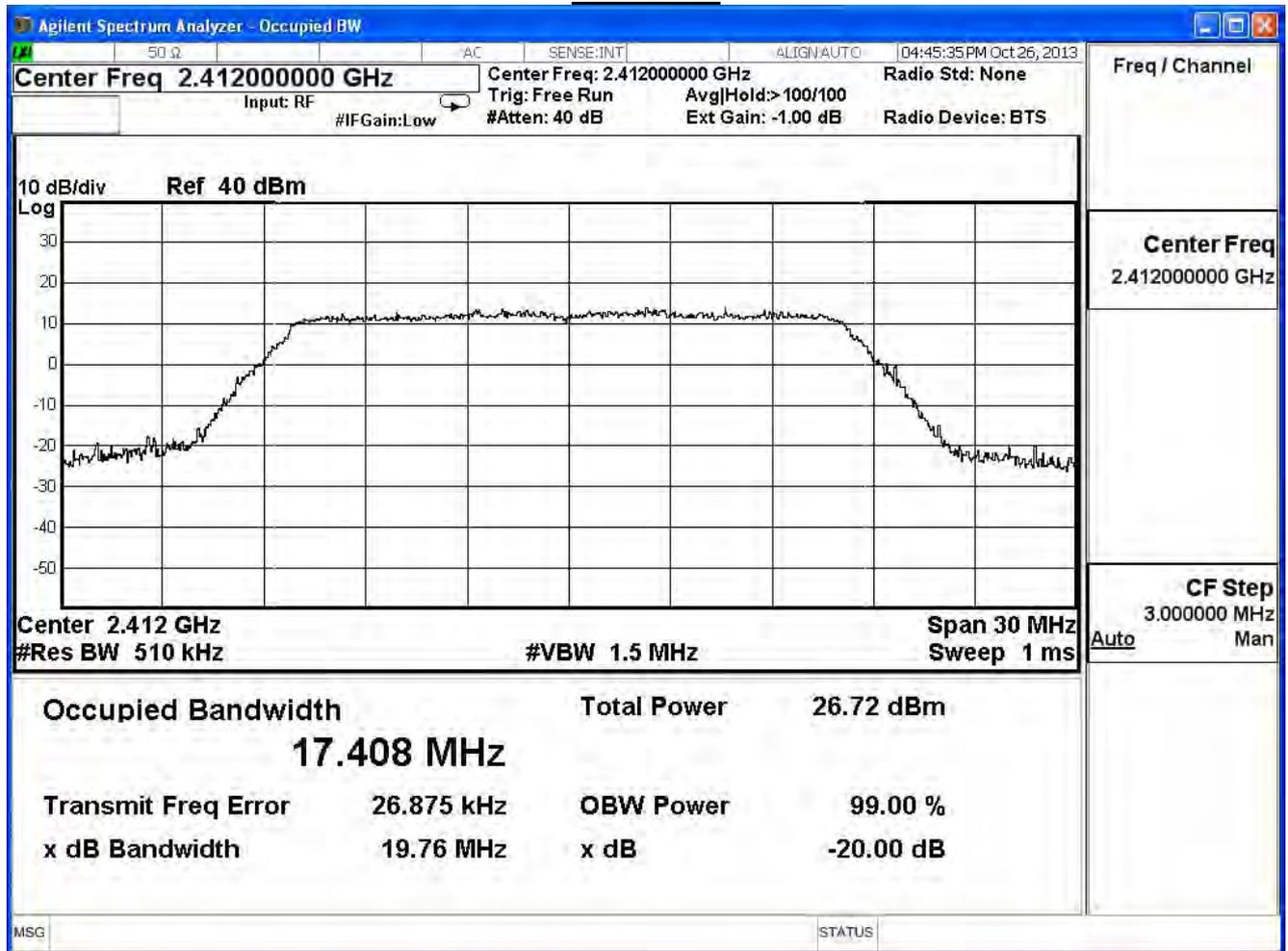
Channel 11



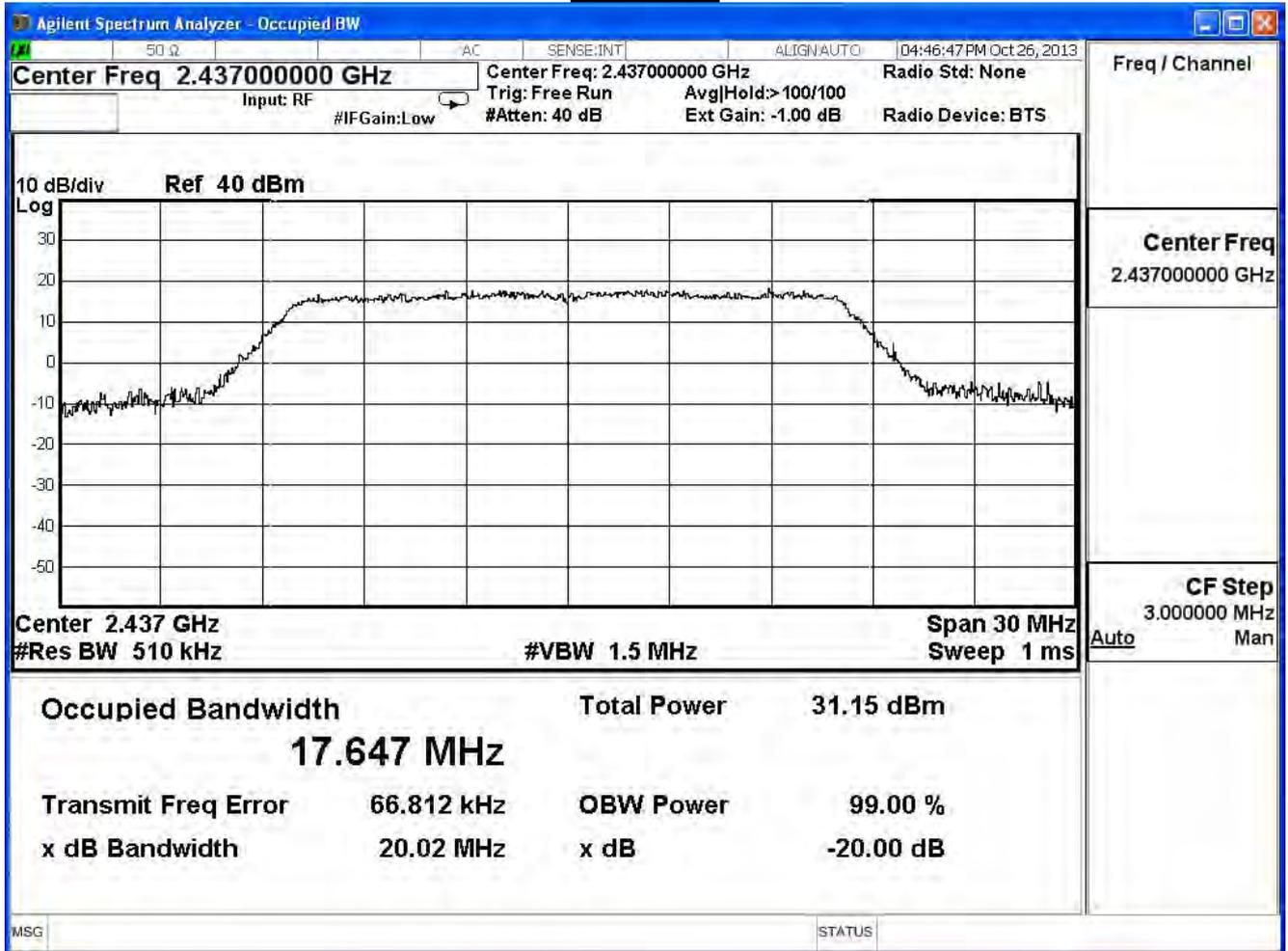
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11g (ANT0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	19.76	≥ 0.5	Pass
6	2437	20.02	≥ 0.5	Pass
11	2462	19.85	≥ 0.5	Pass

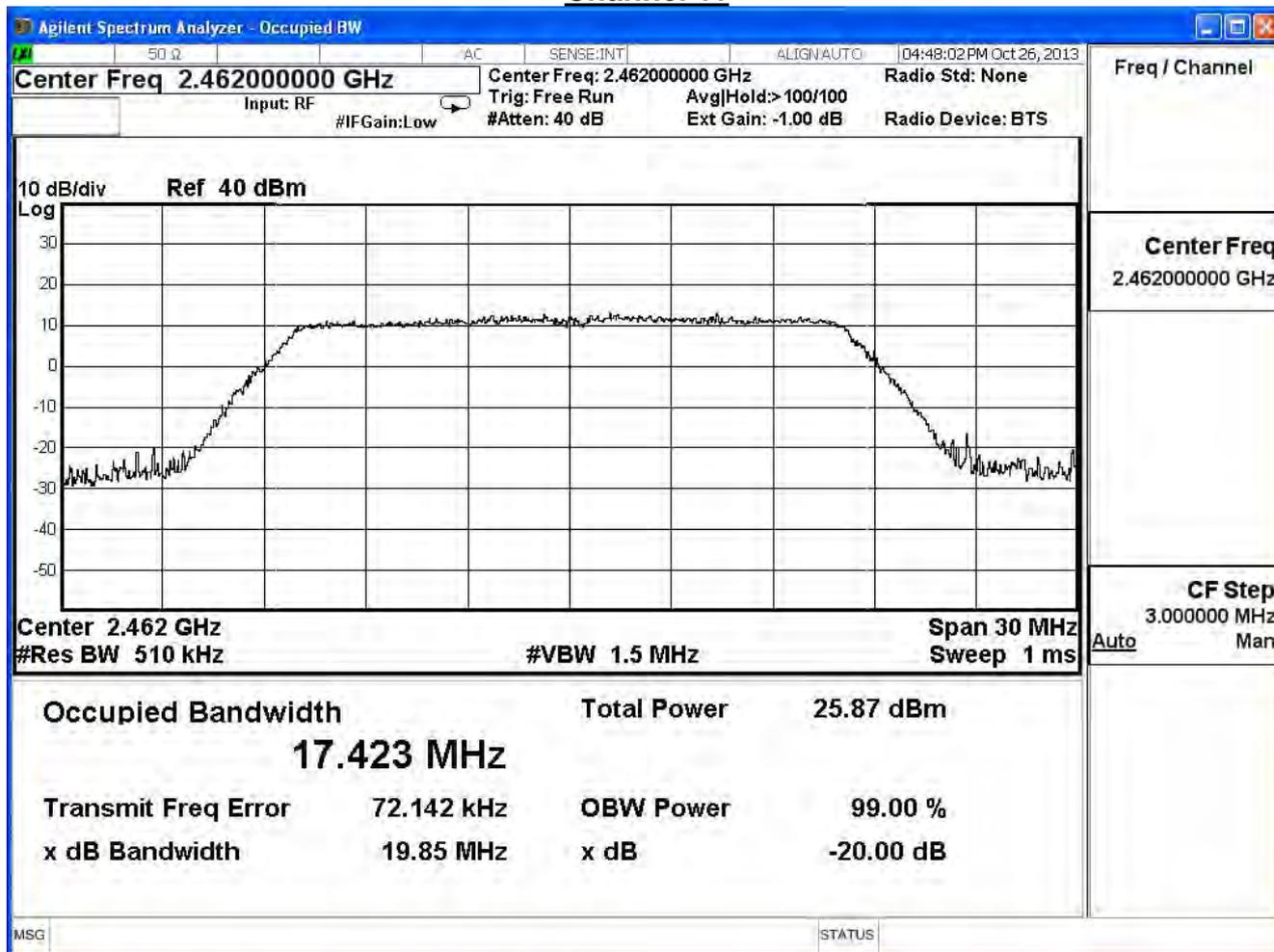
Channel 1



Channel 6



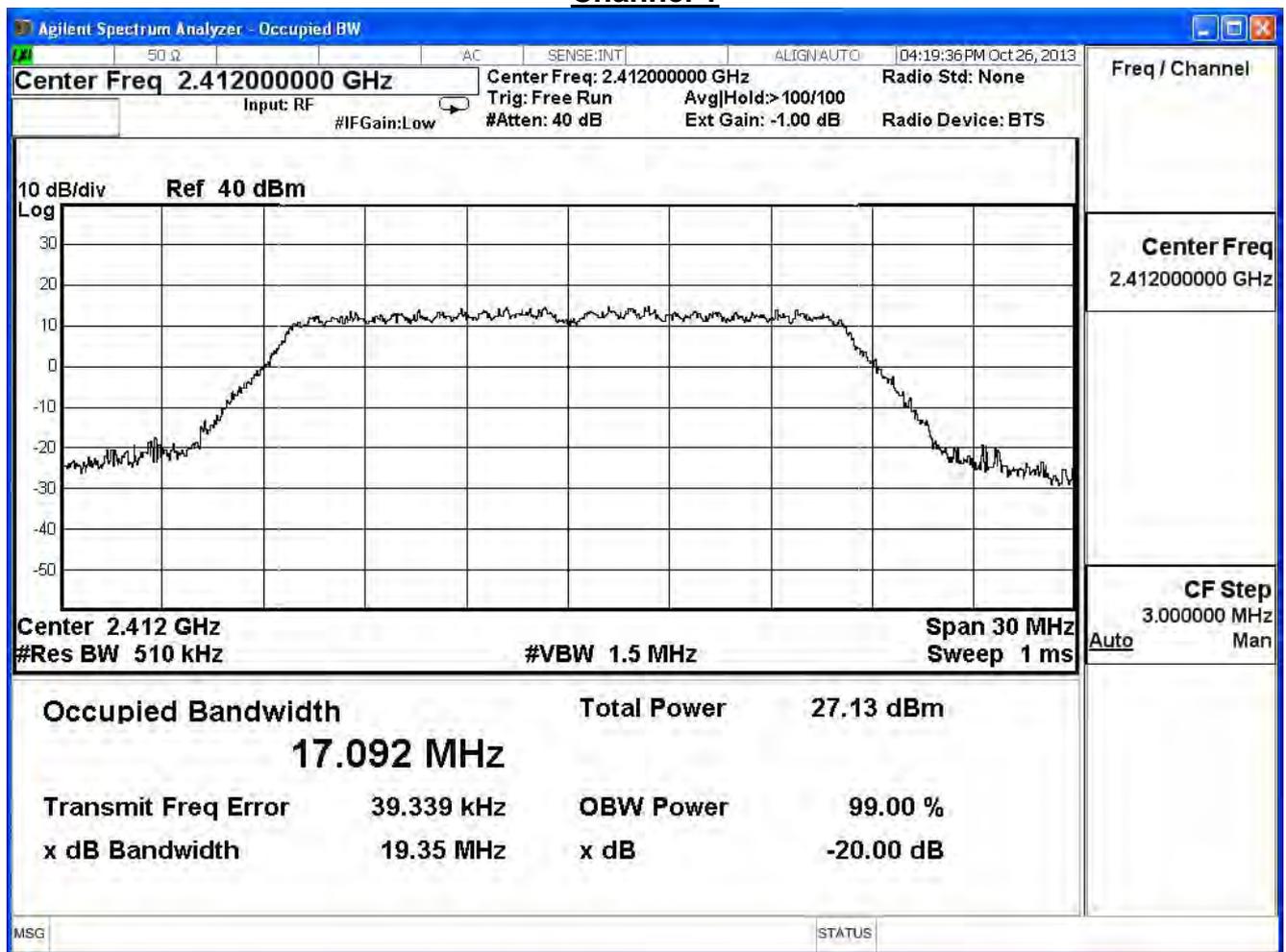
Channel 11



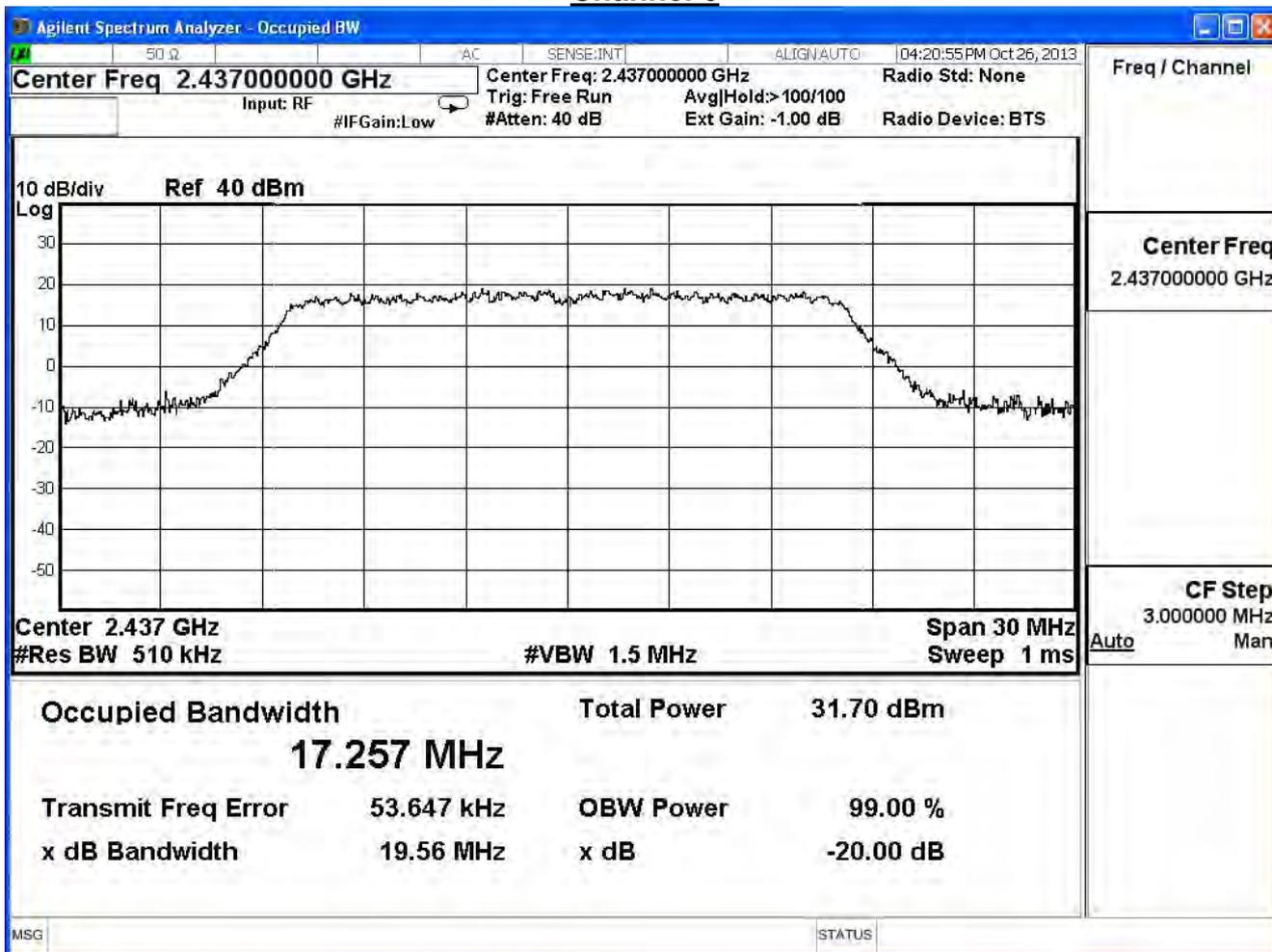
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11g (ANT1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	19.35	≥ 0.5	Pass
6	2437	19.56	≥ 0.5	Pass
11	2462	19.45	≥ 0.5	Pass

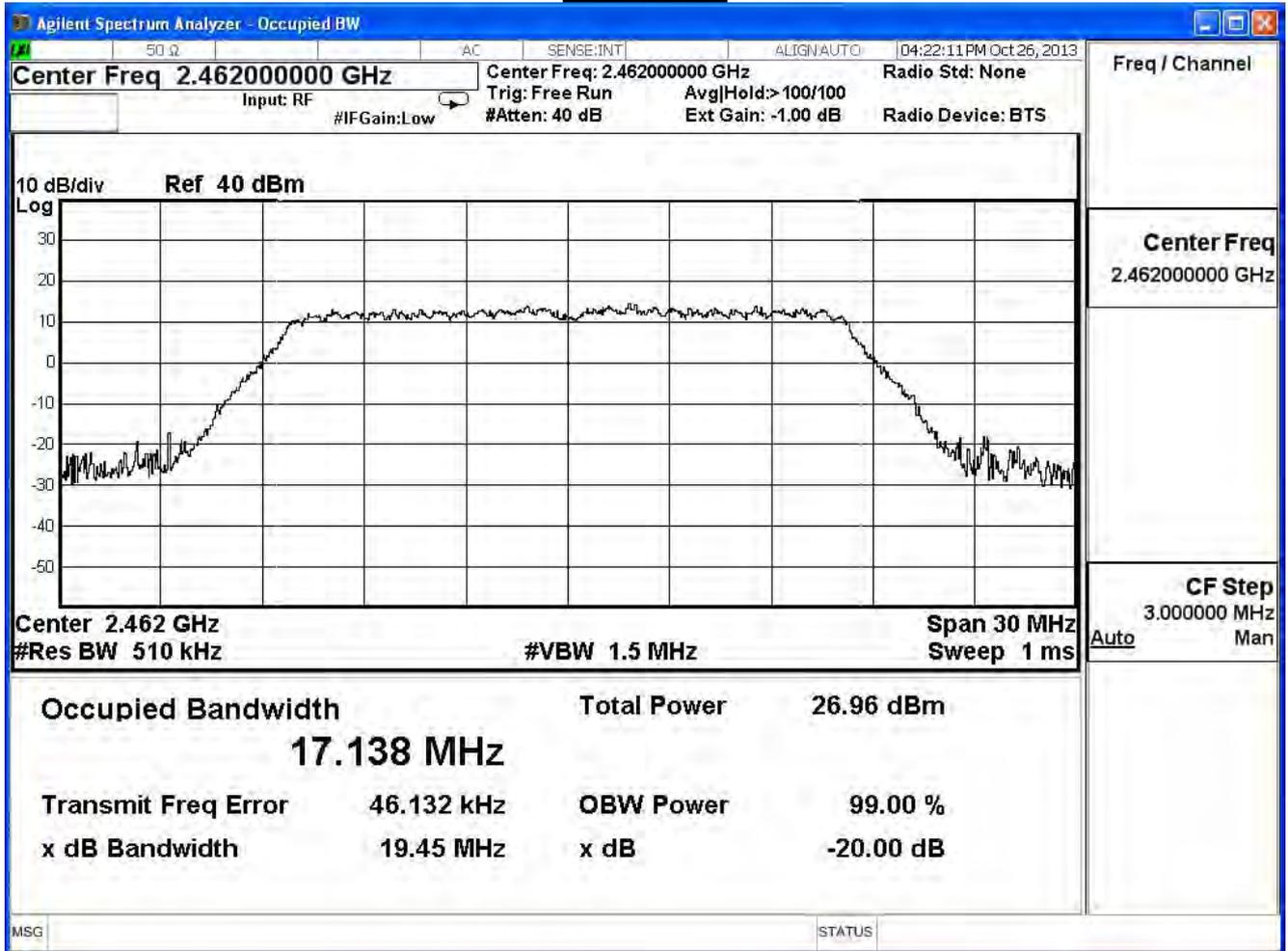
Channel 1



Channel 6



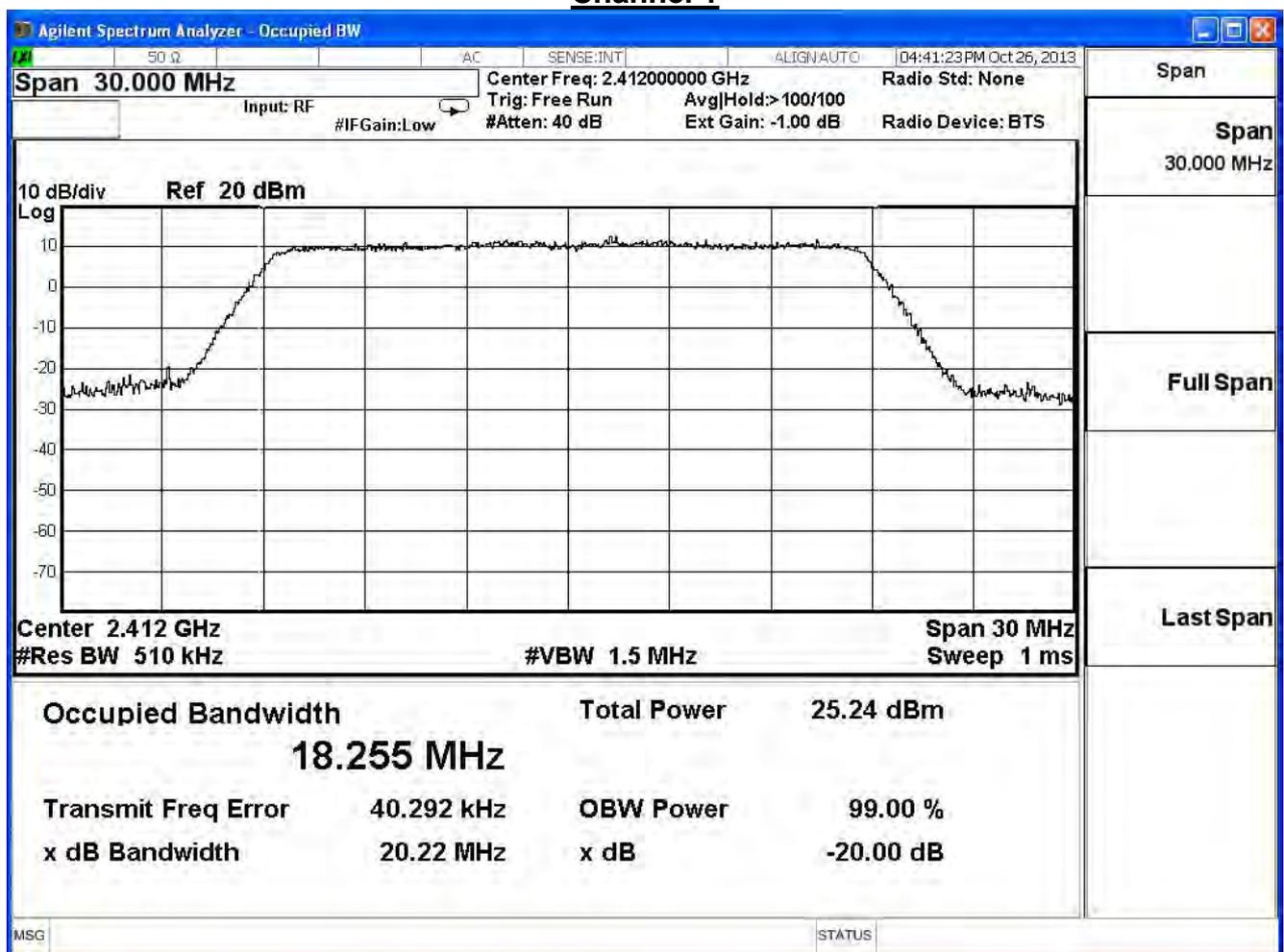
Channel 11



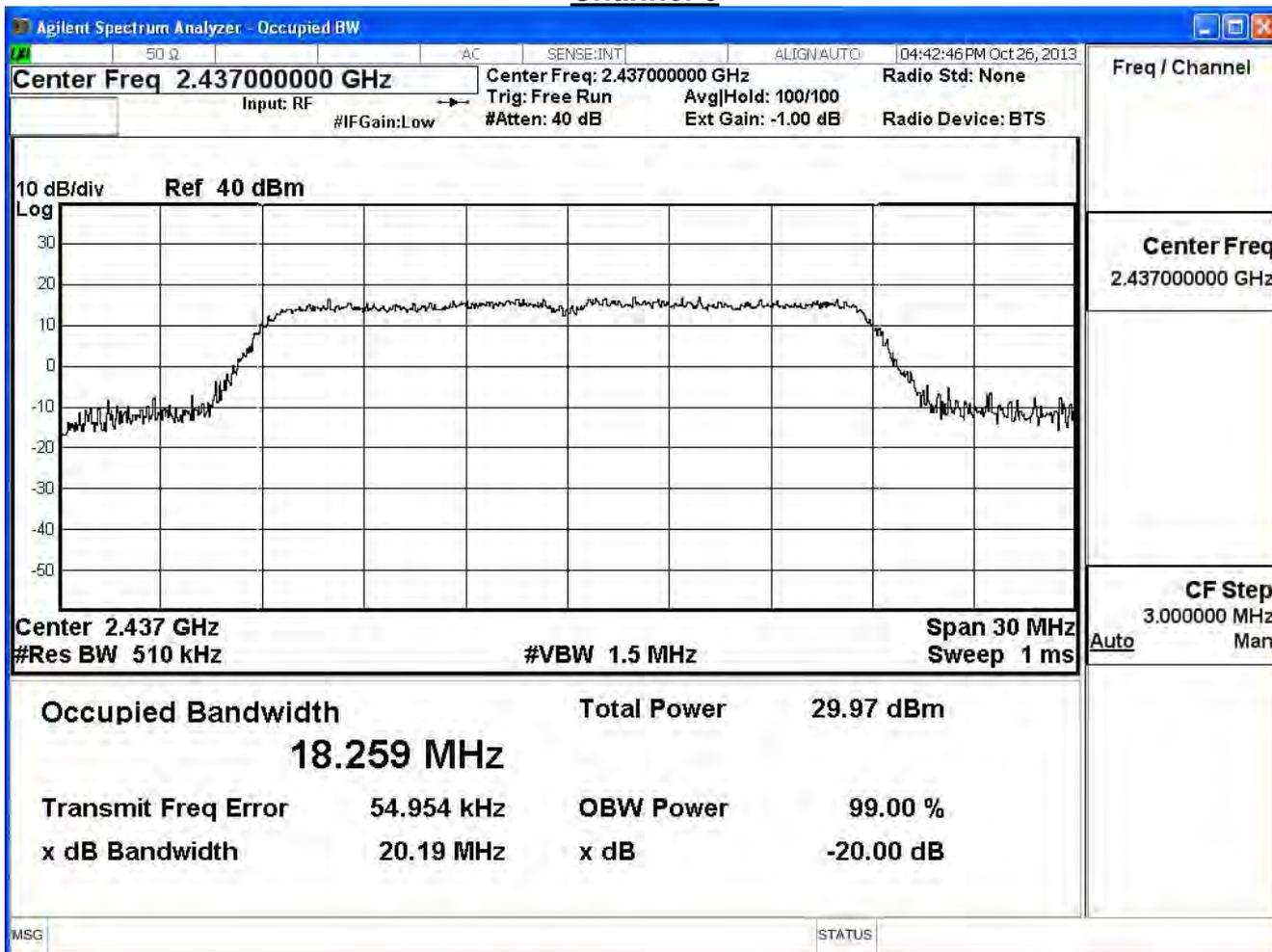
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	20.22	≥ 0.5	Pass
6	2437	20.19	≥ 0.5	Pass
11	2462	20.25	≥ 0.5	Pass

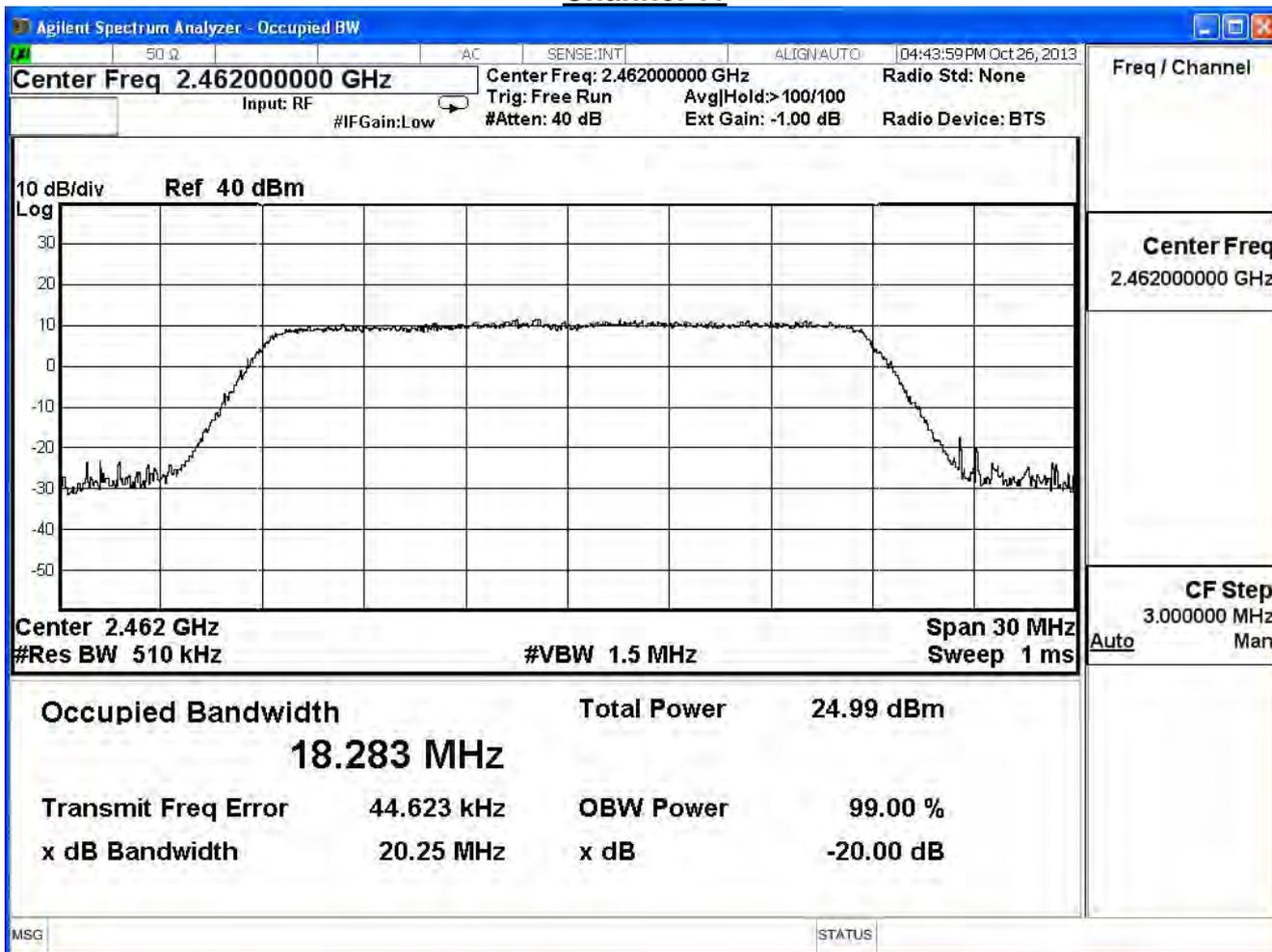
Channel 1



Channel 6



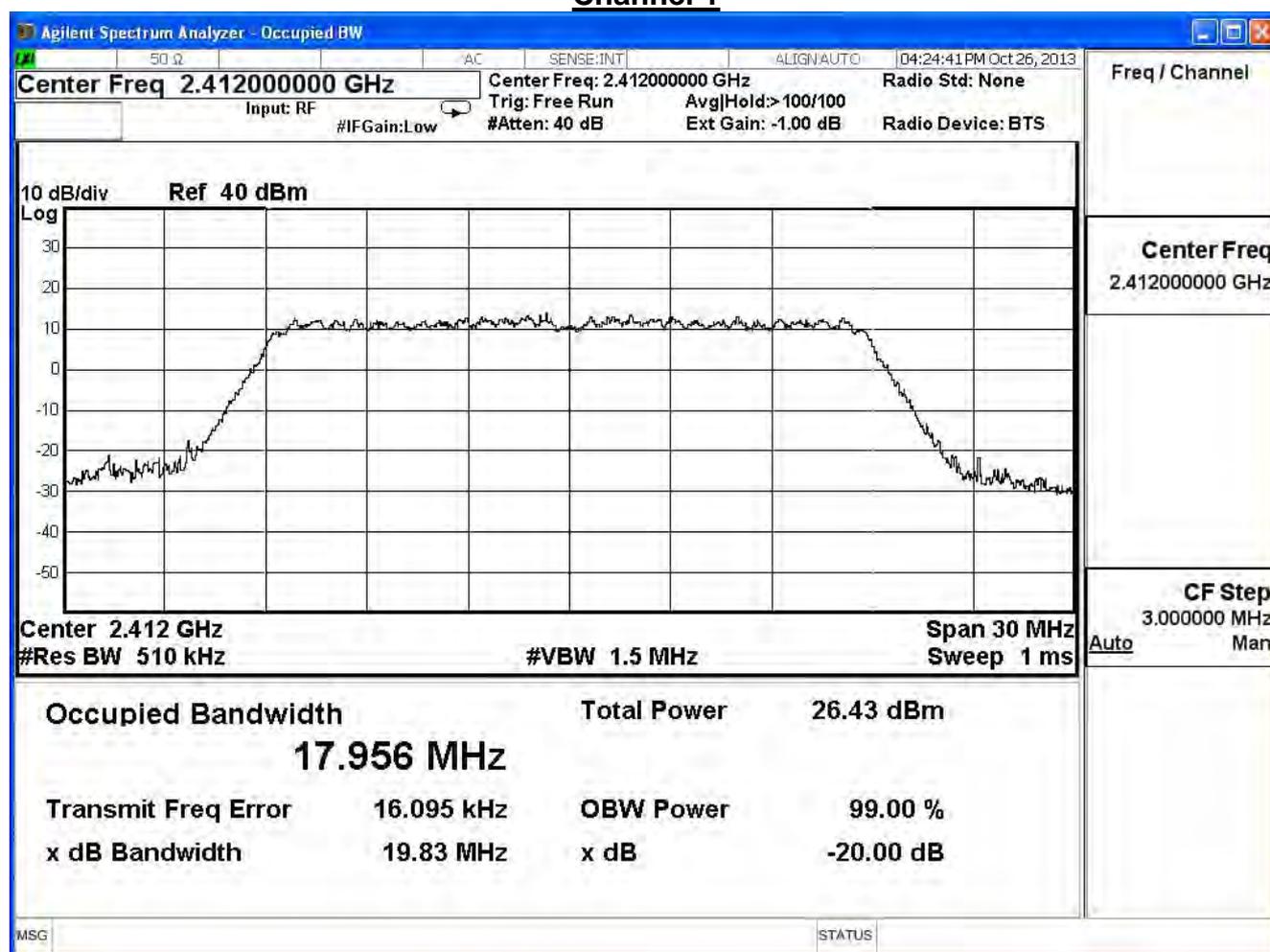
Channel 11



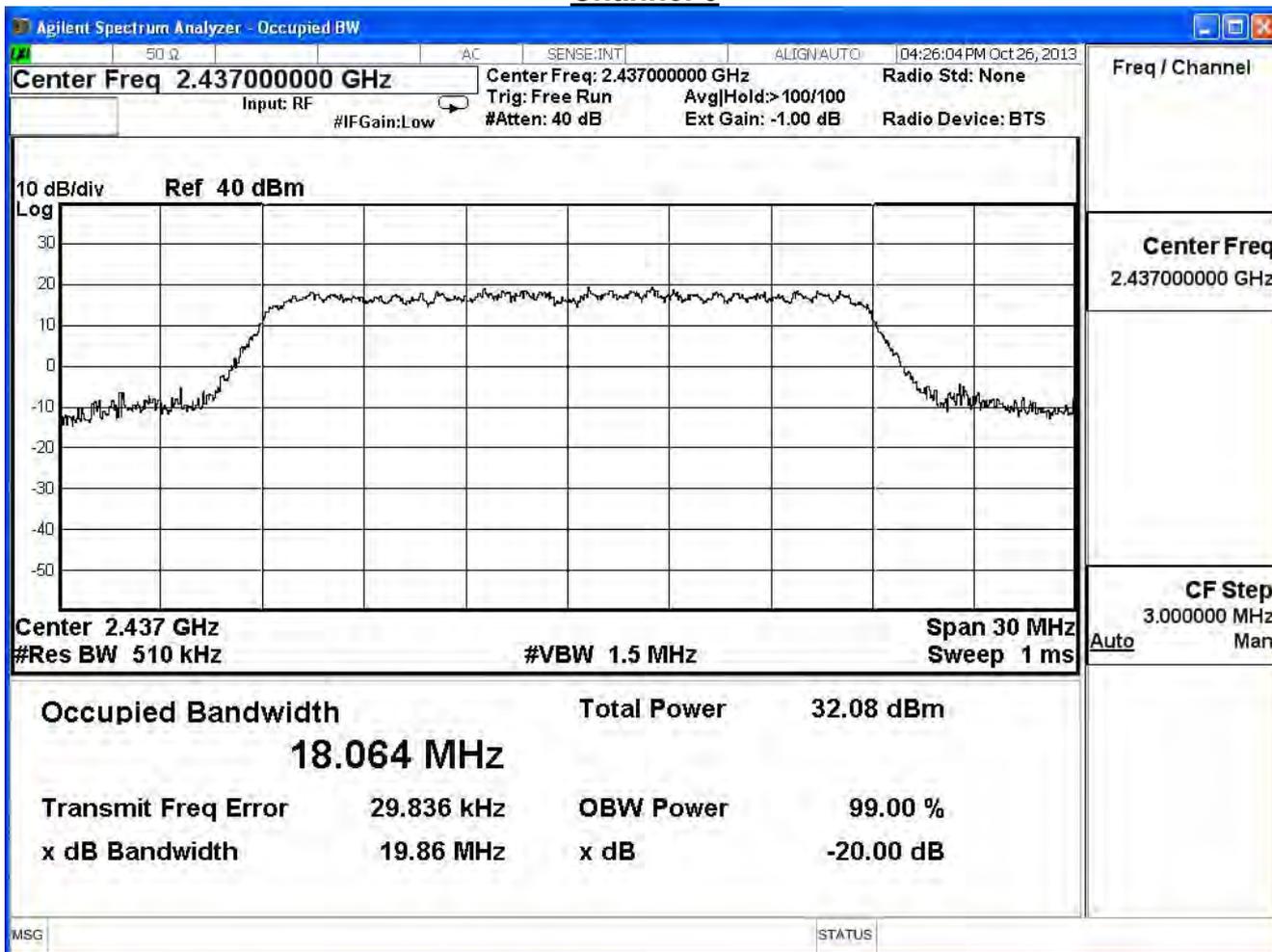
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	19.83	≥ 0.5	Pass
6	2437	19.86	≥ 0.5	Pass
11	2462	19.92	≥ 0.5	Pass

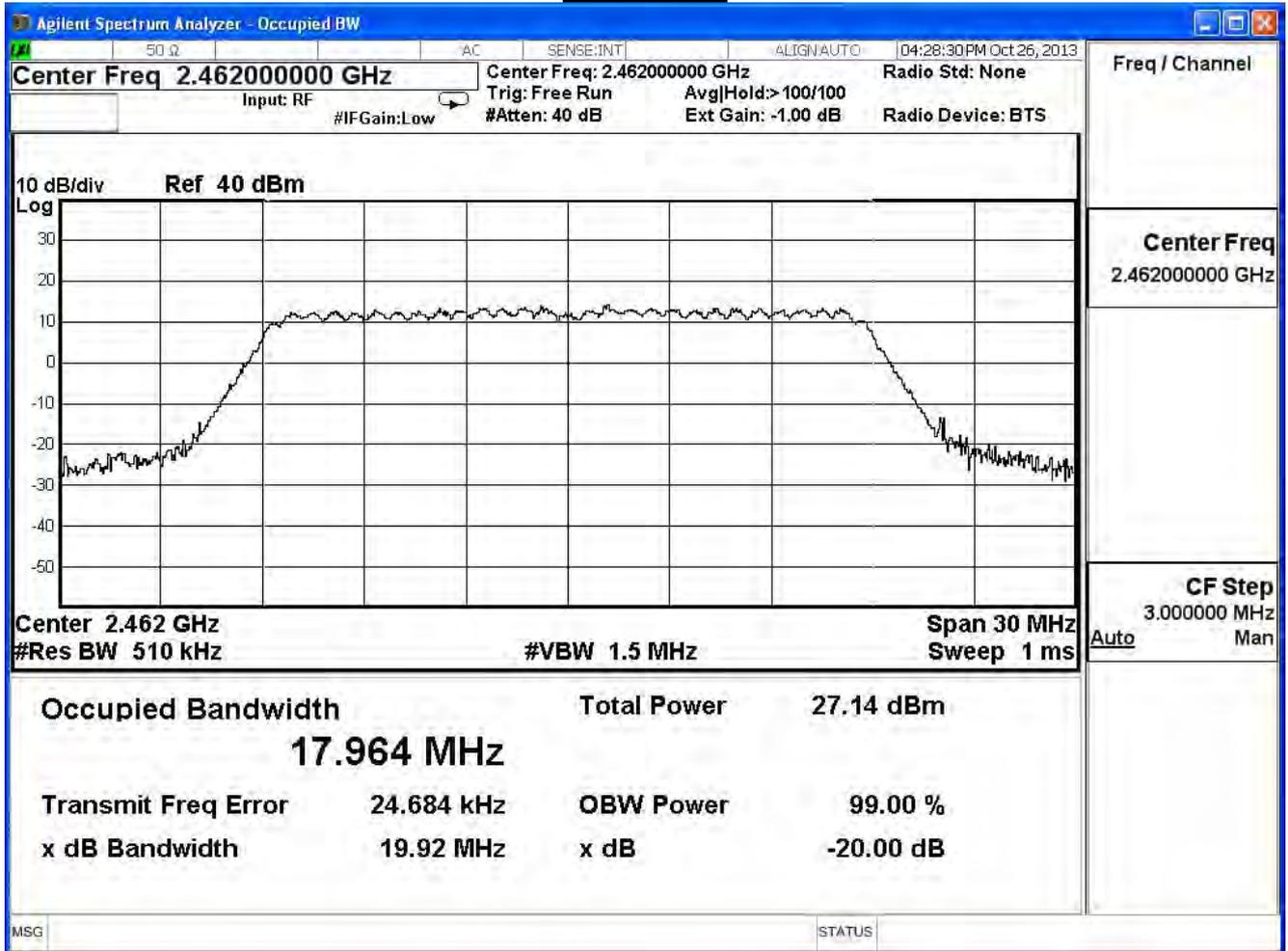
Channel 1



Channel 6



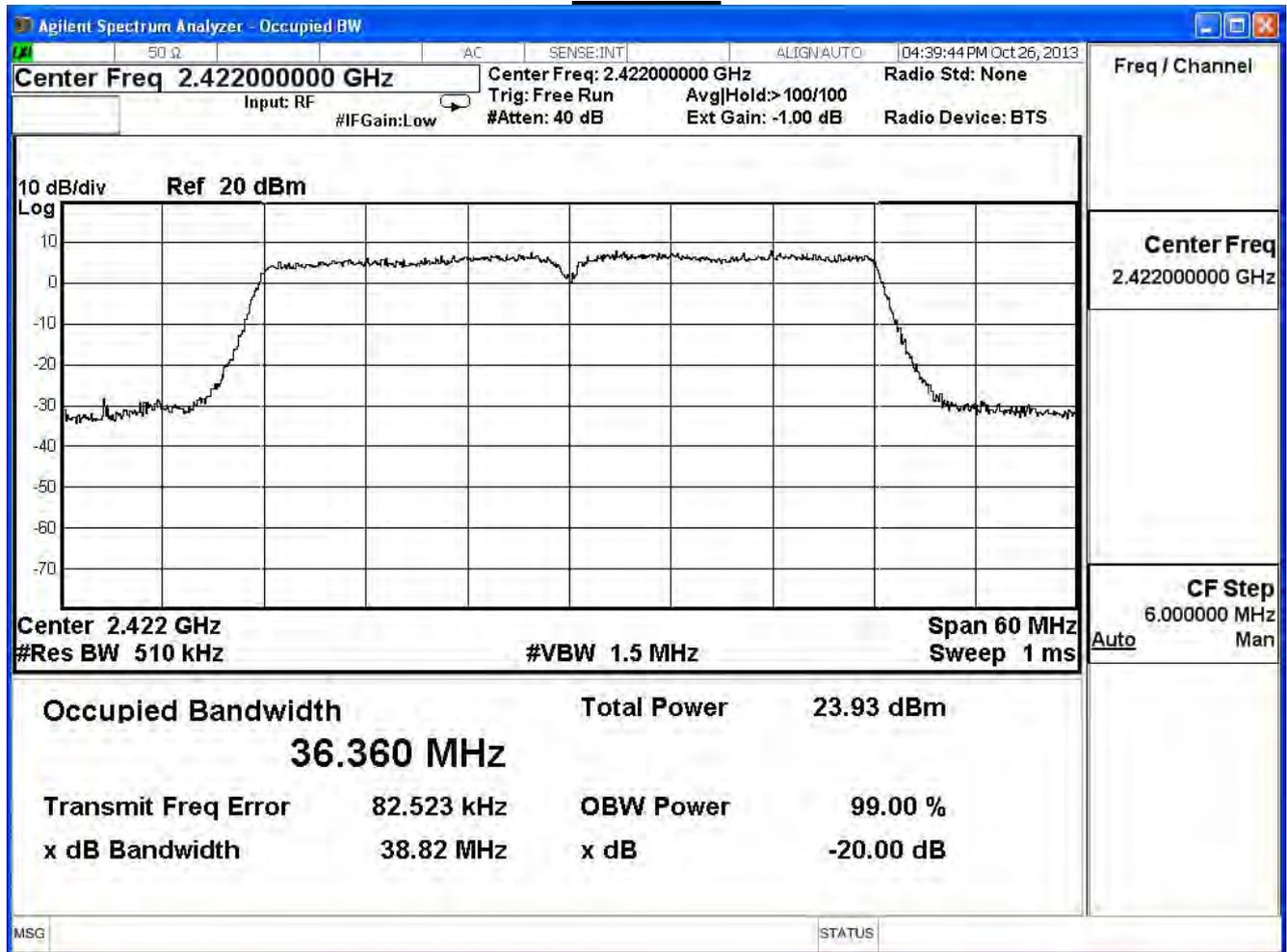
Channel 11



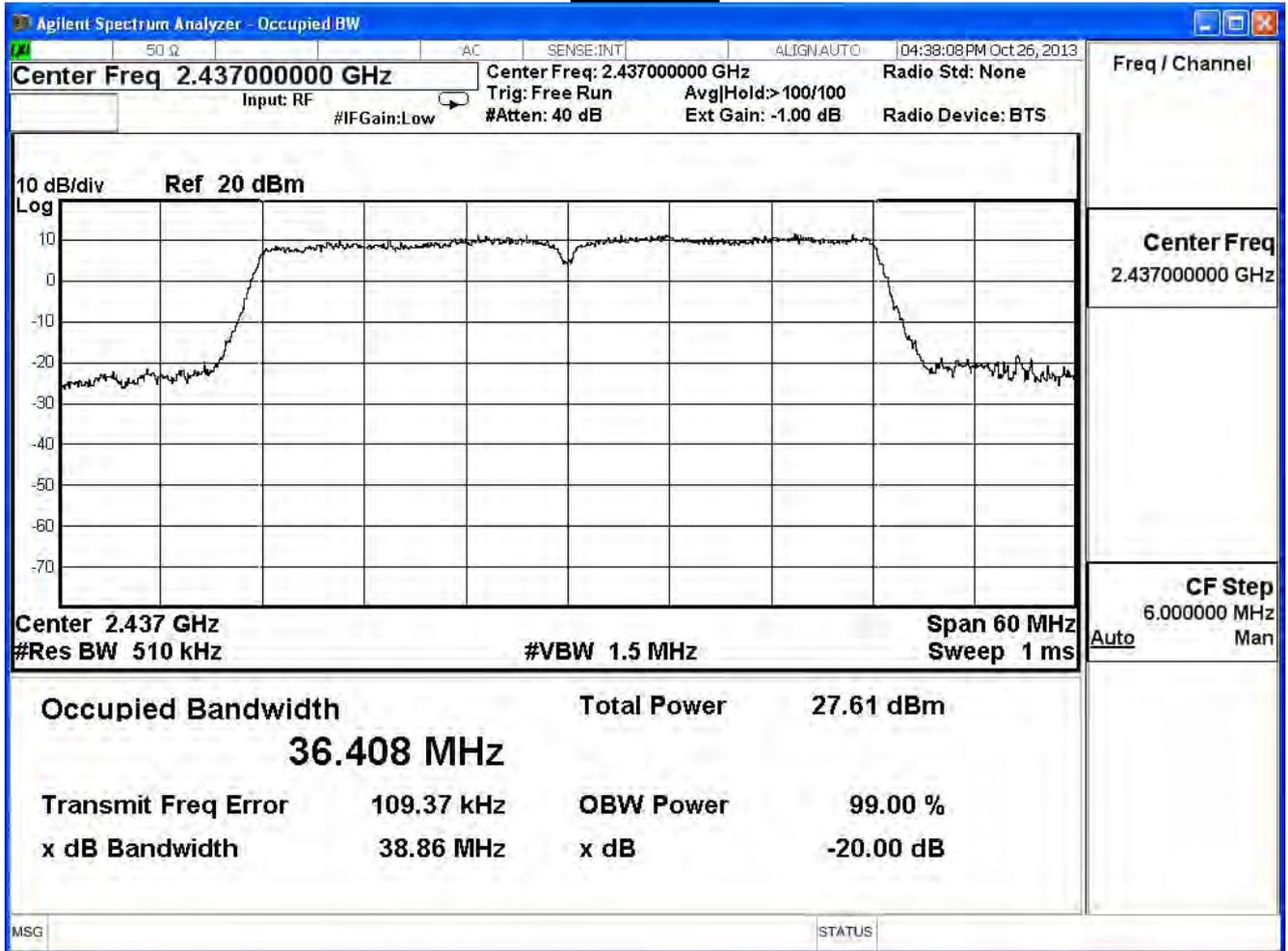
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	38.82	≥ 0.5	Pass
6	2437	38.86	≥ 0.5	Pass
9	2452	38.78	≥ 0.5	Pass

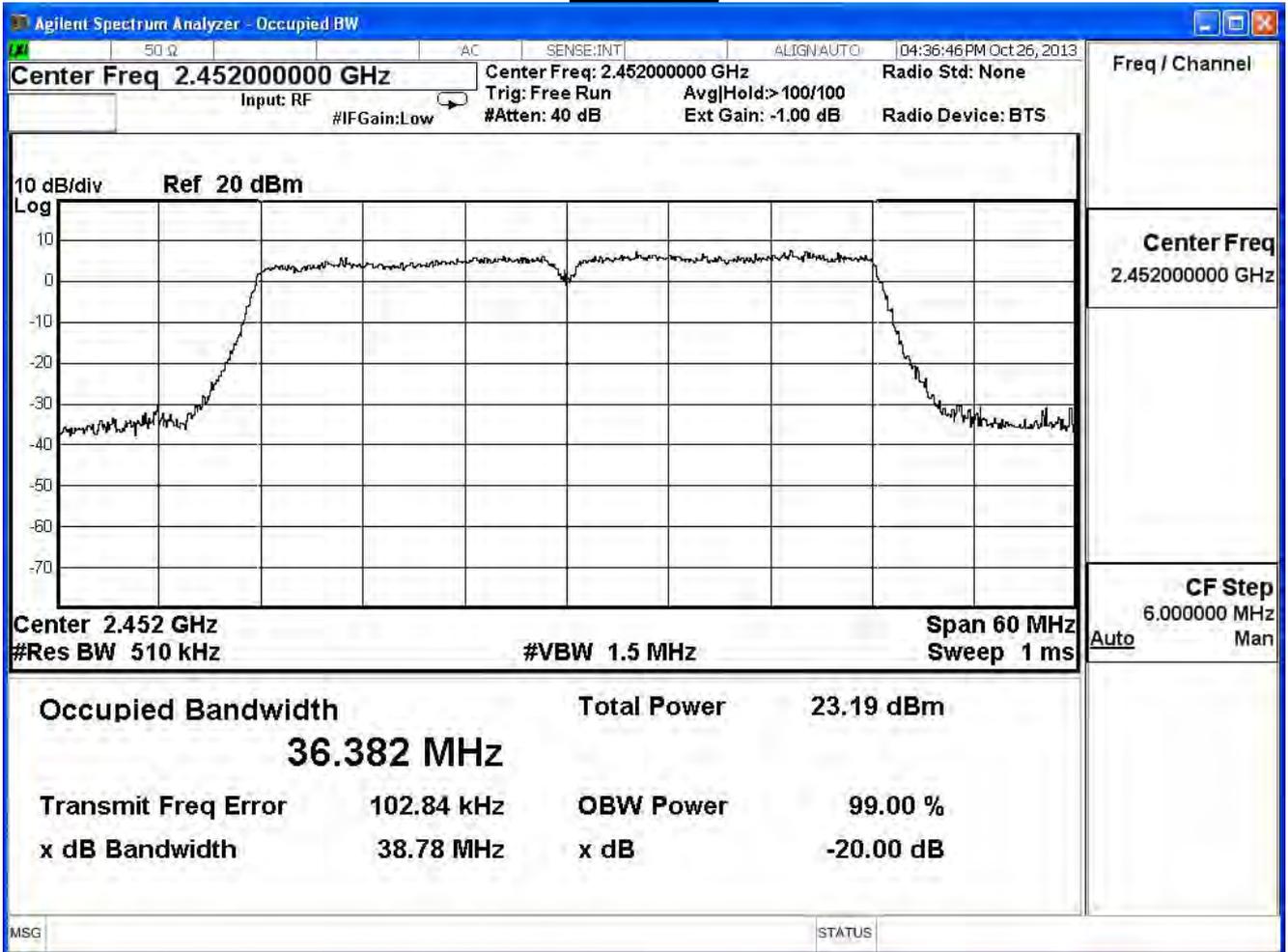
Channel 3



Channel 6



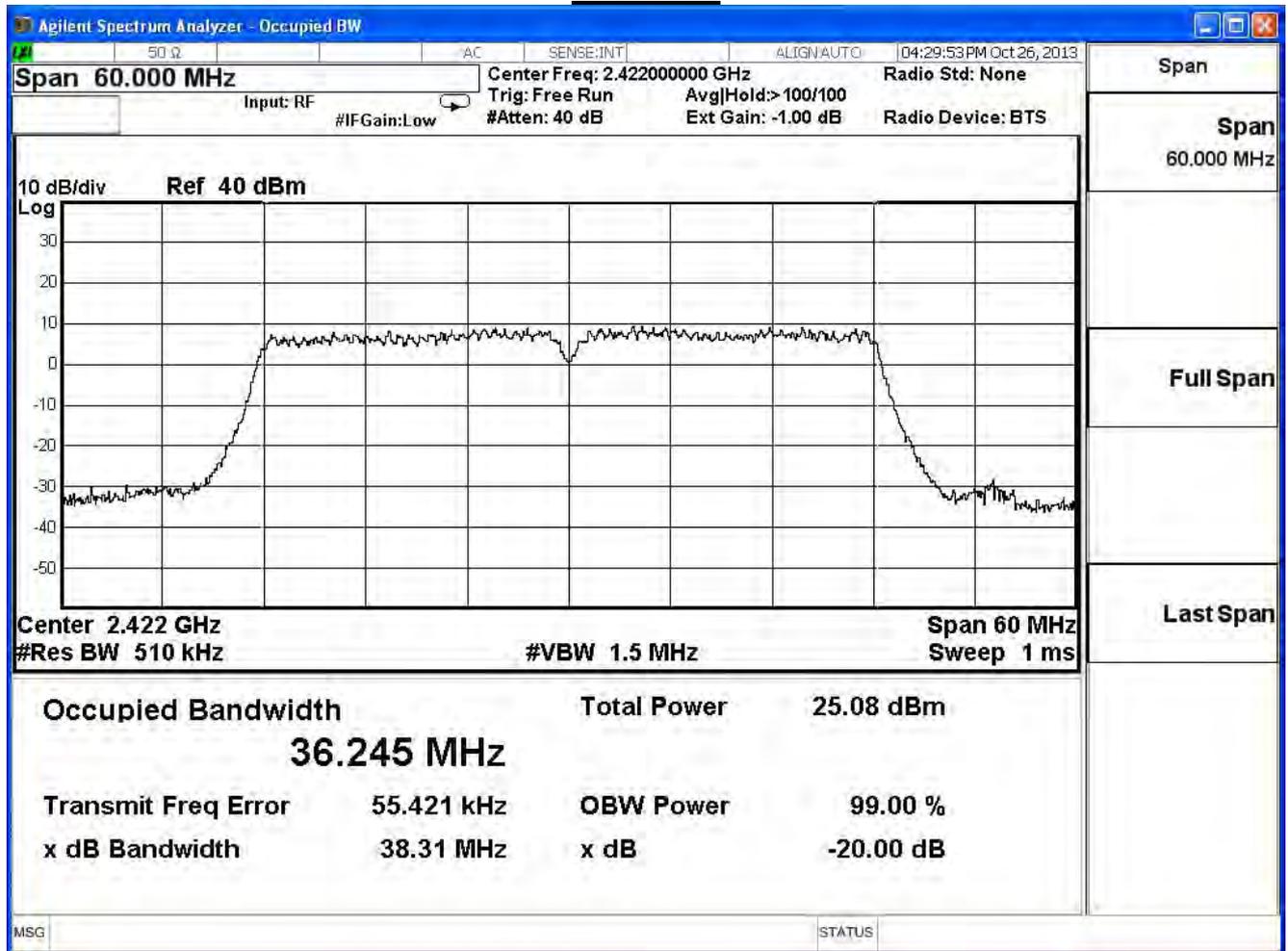
Channel 9



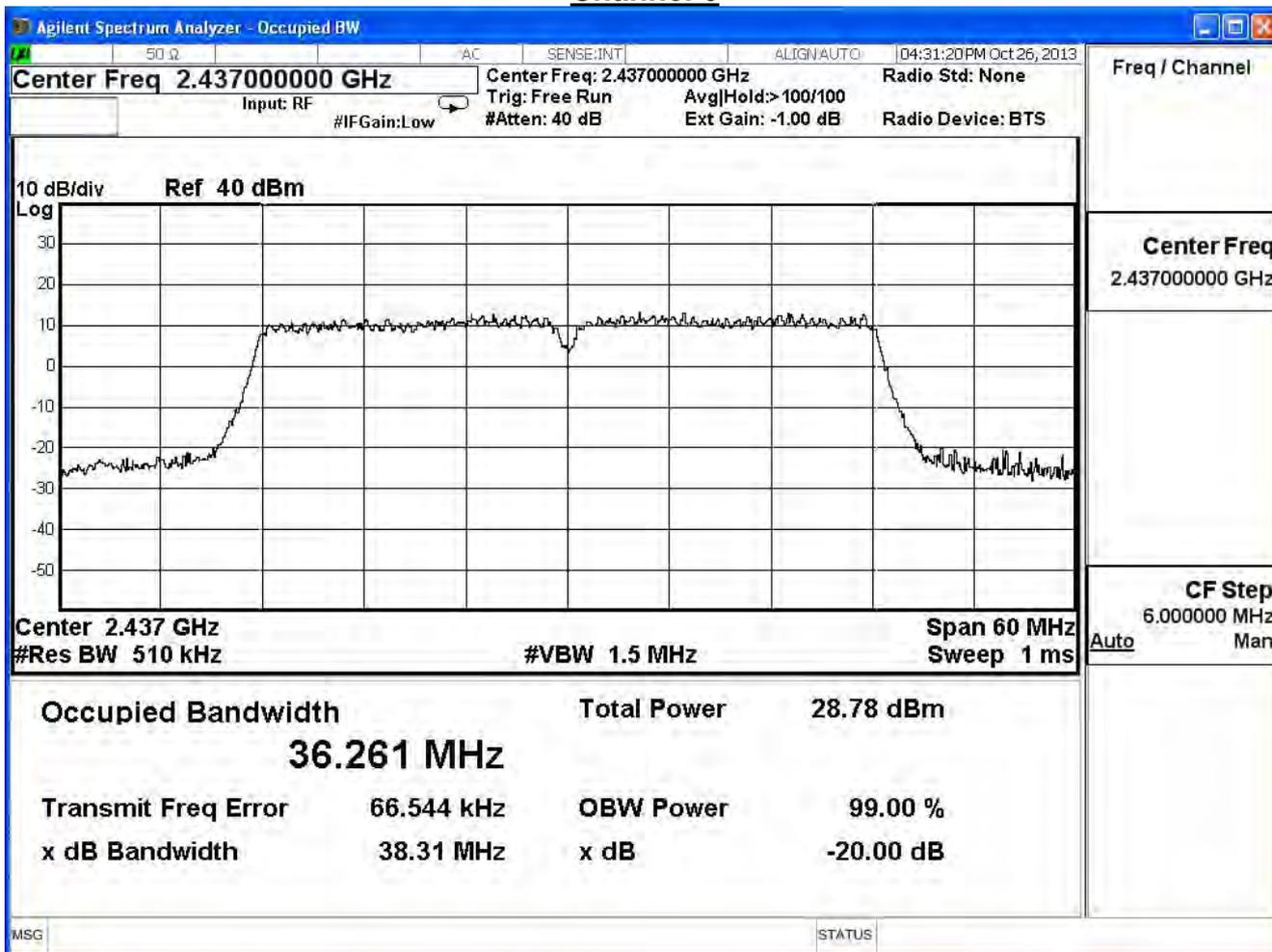
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	38.31	≥ 0.5	Pass
6	2437	38.31	≥ 0.5	Pass
9	2452	38.27	≥ 0.5	Pass

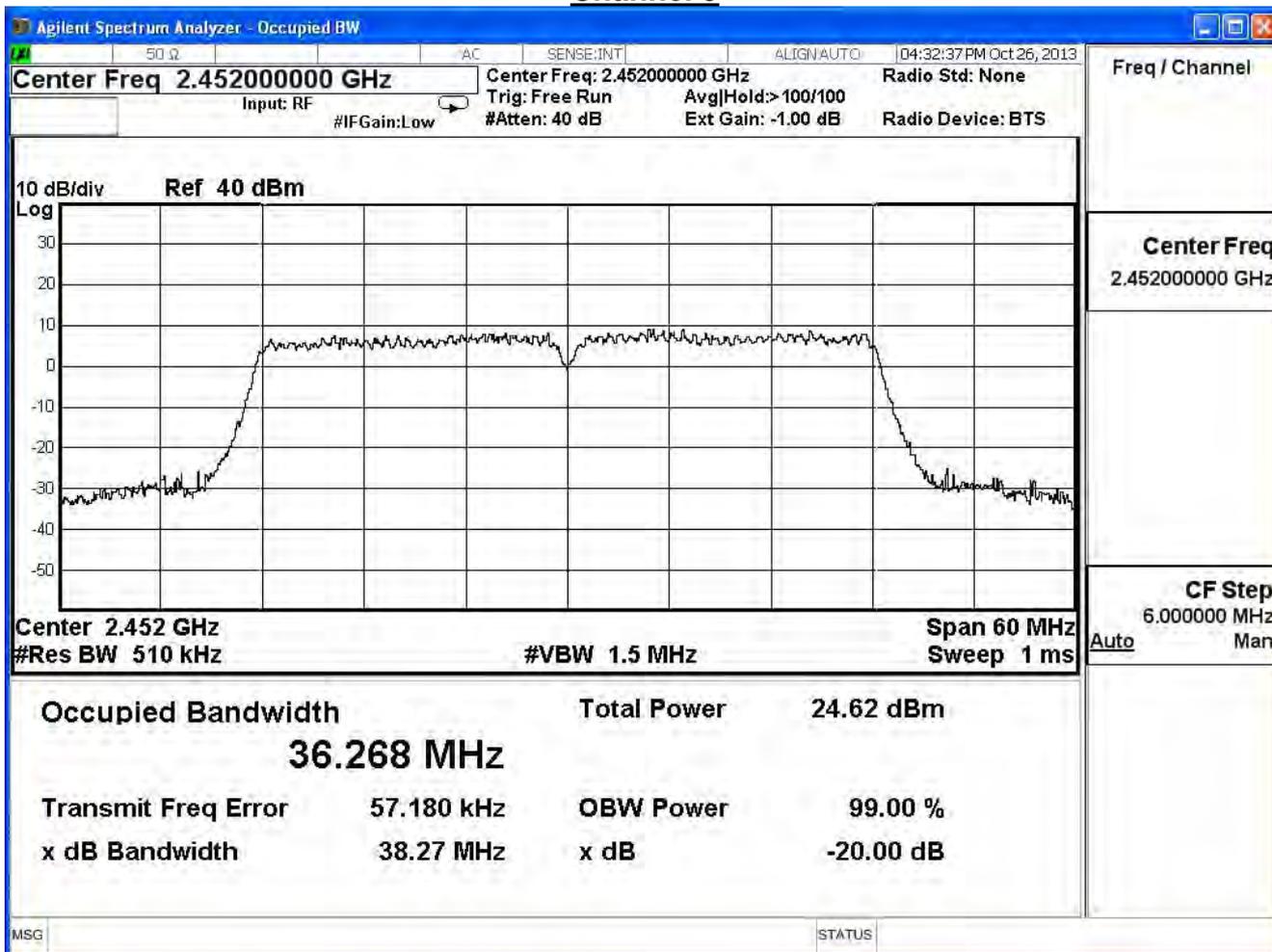
Channel 3



Channel 6



Channel 9

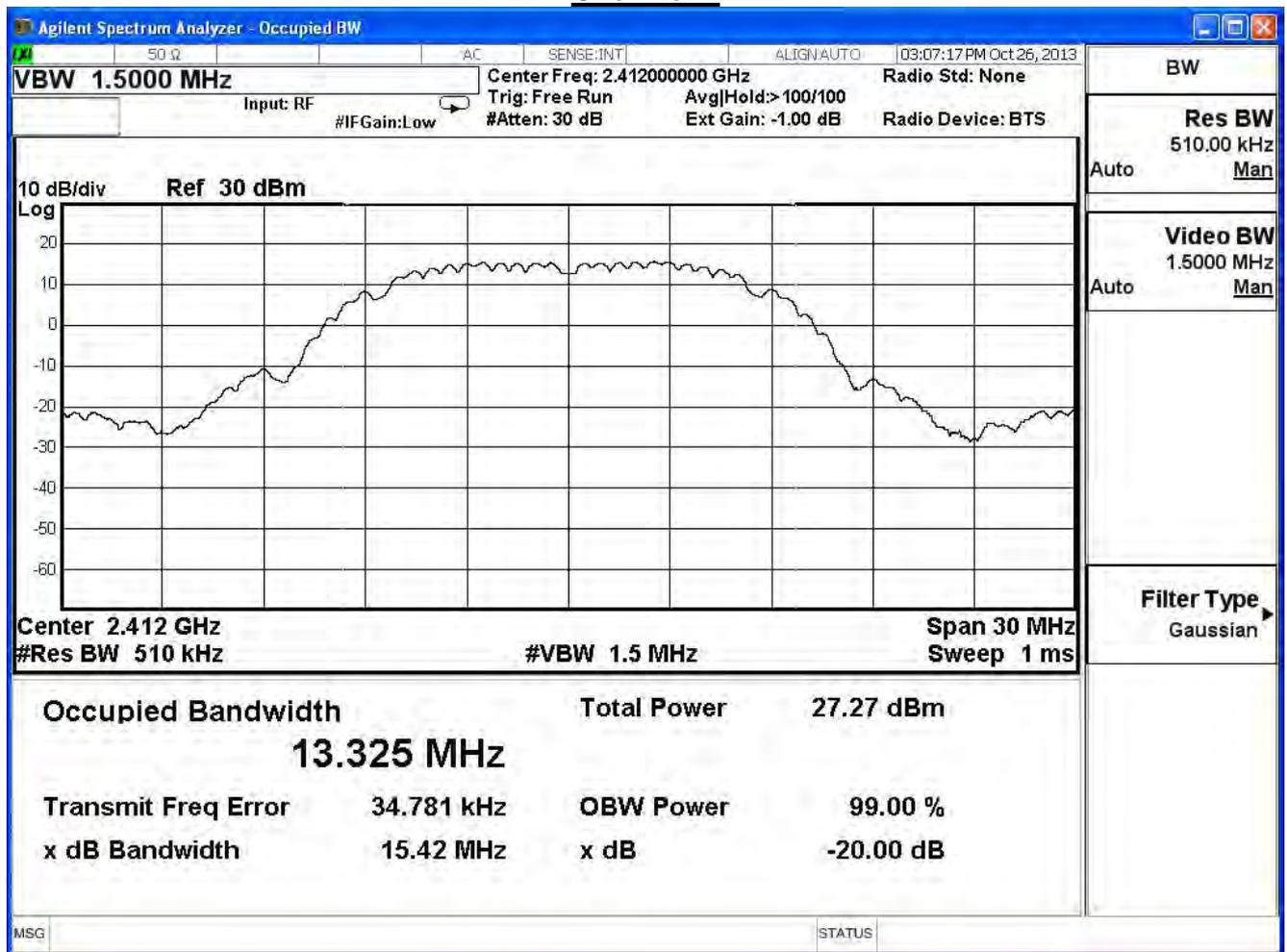


Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/10/26	Test Site	SR7

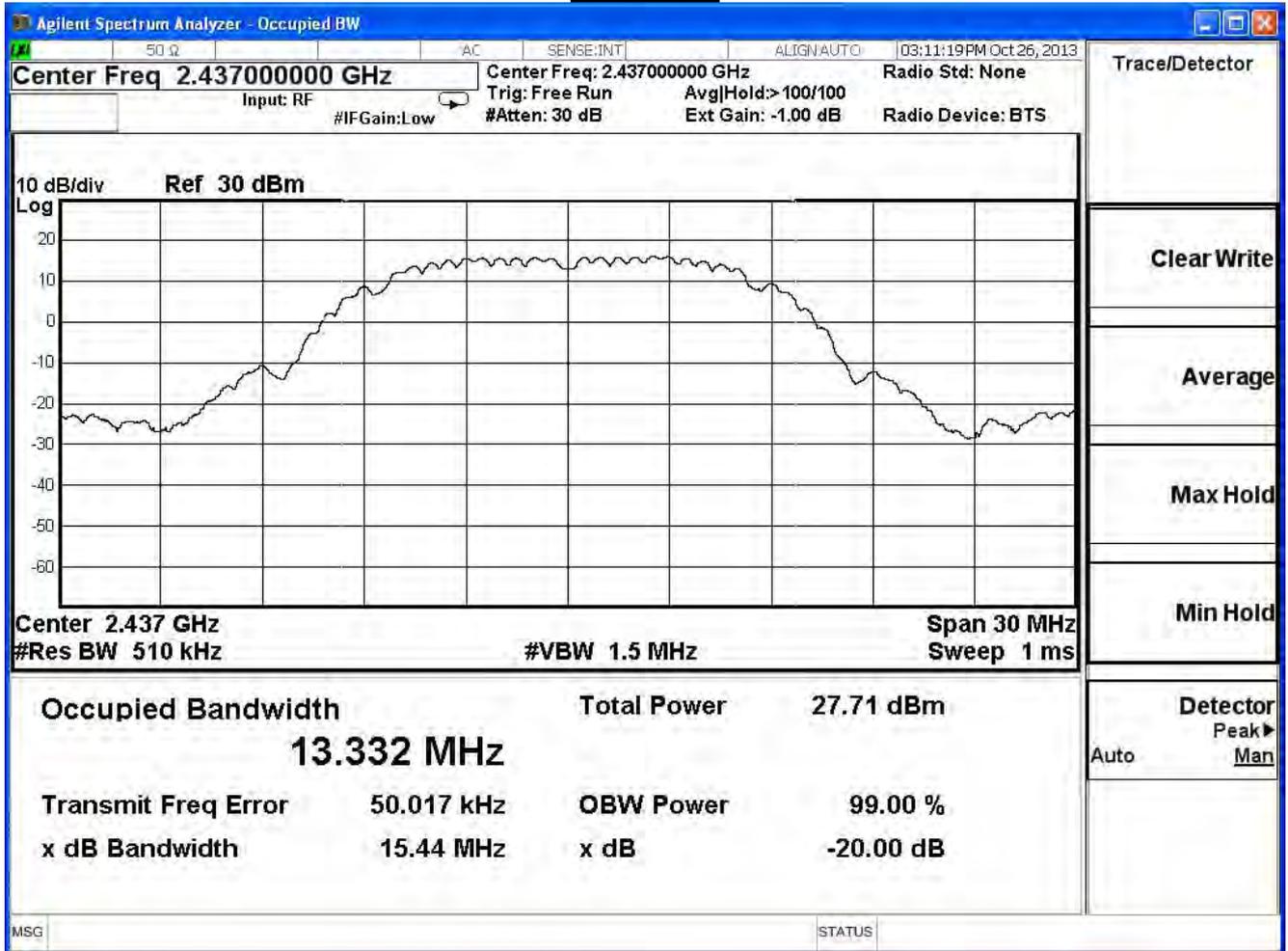
802.11 b

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	15.42	≥ 0.5	Pass
6	2437	15.44	≥ 0.5	Pass
11	2462	15.43	≥ 0.5	Pass

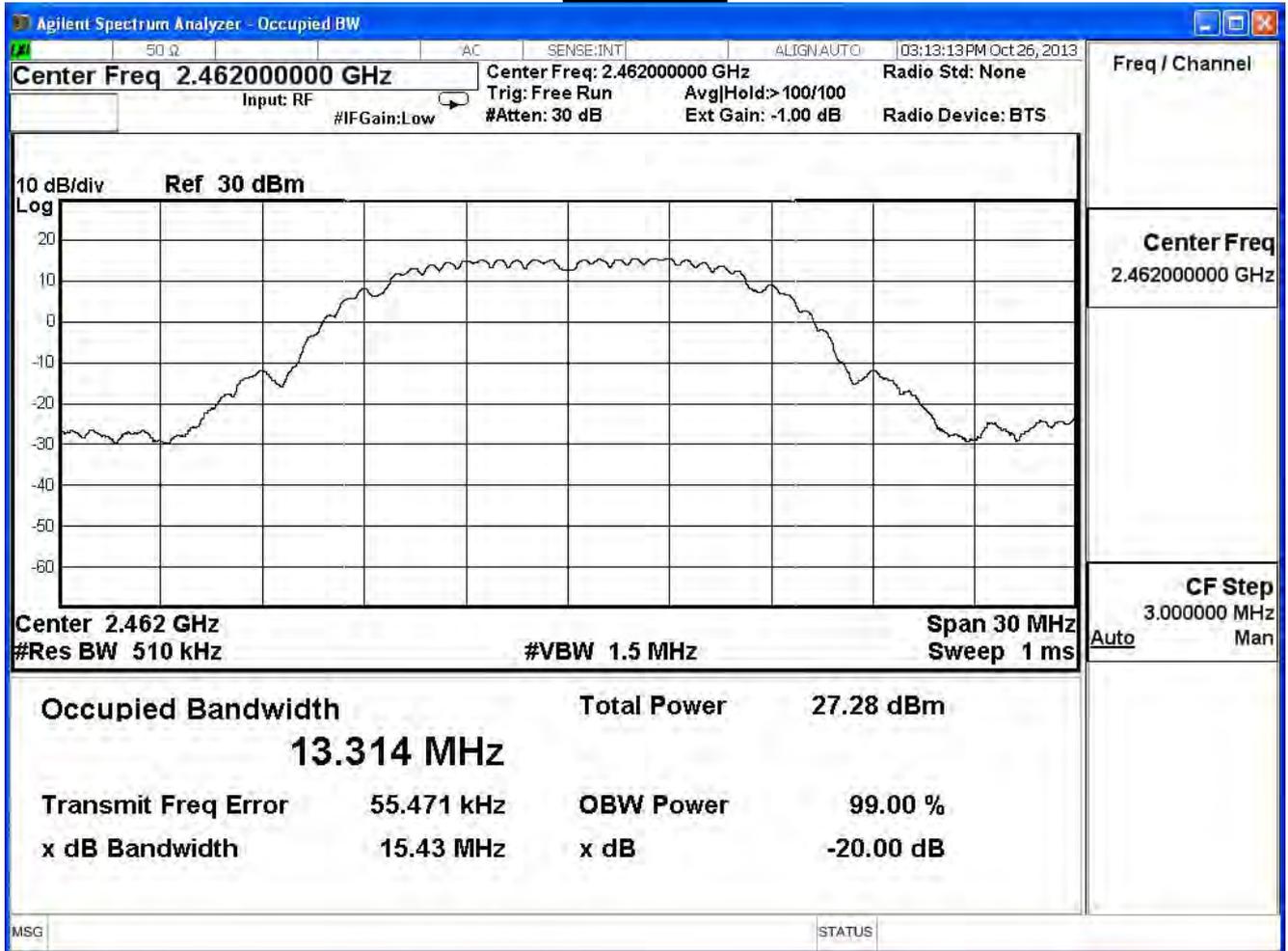
Channel 1



Channel 6



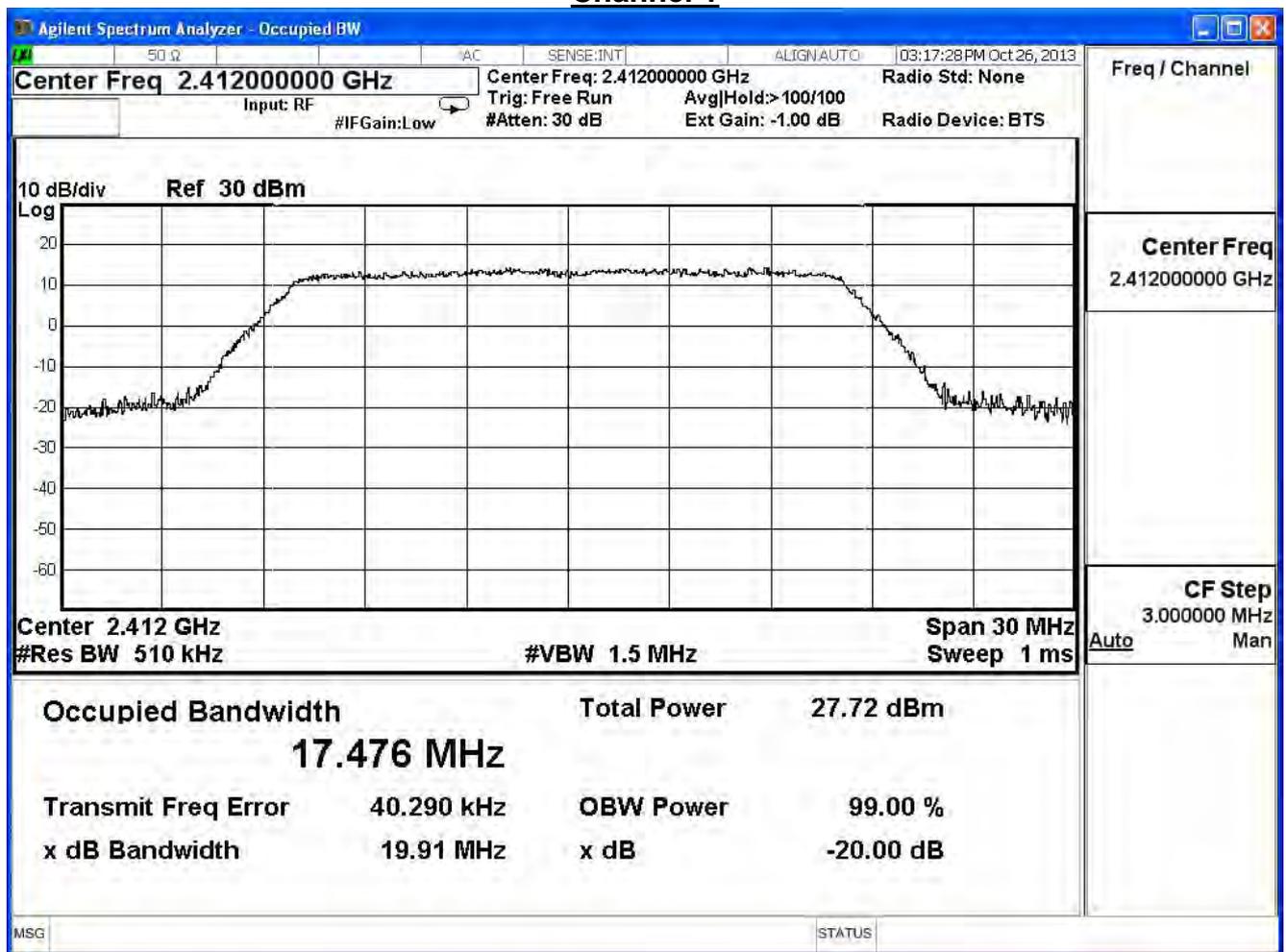
Channel 11



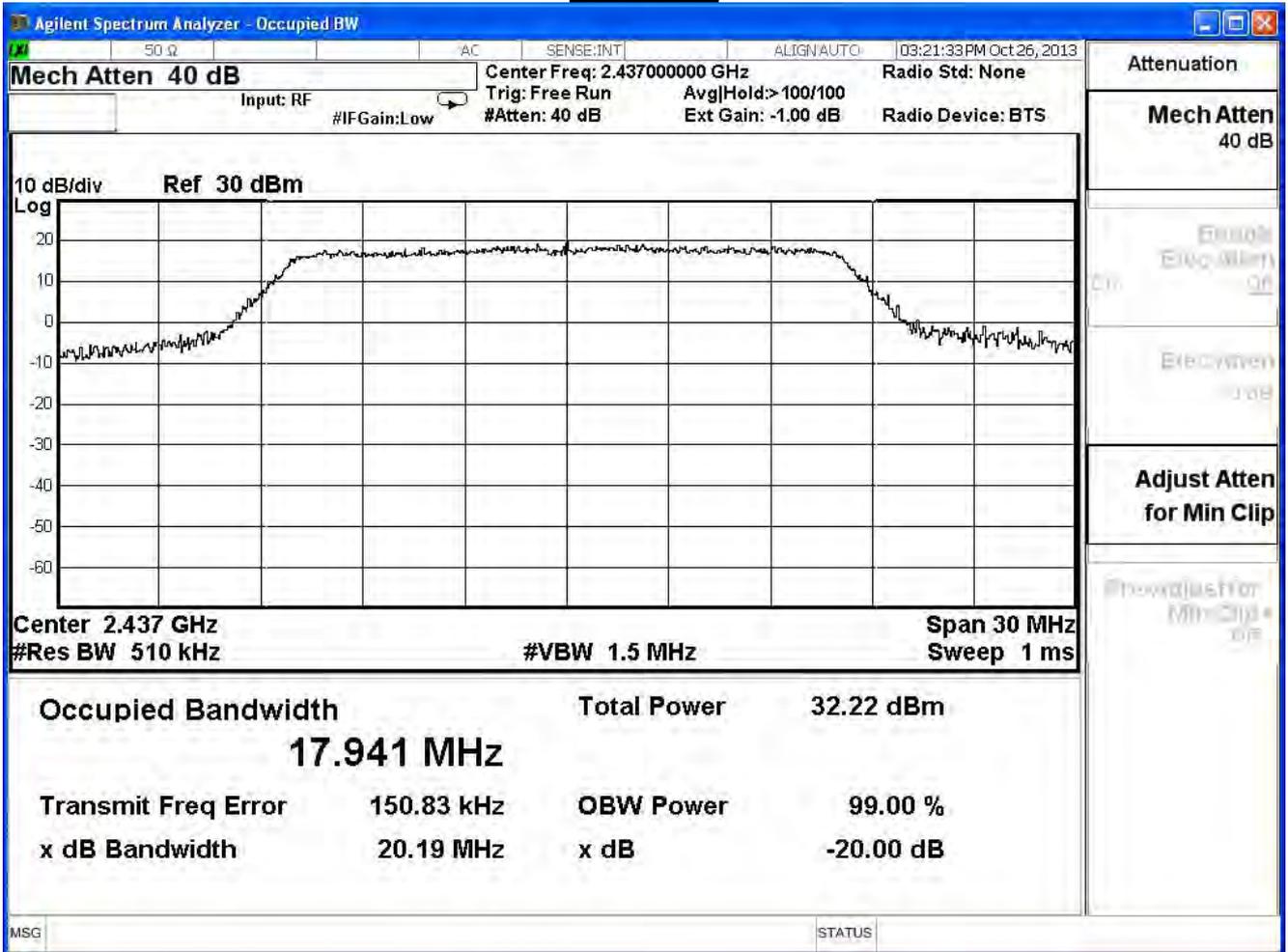
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	19.91	≥ 0.5	Pass
6	2437	20.19	≥ 0.5	Pass
11	2462	20.24	≥ 0.5	Pass

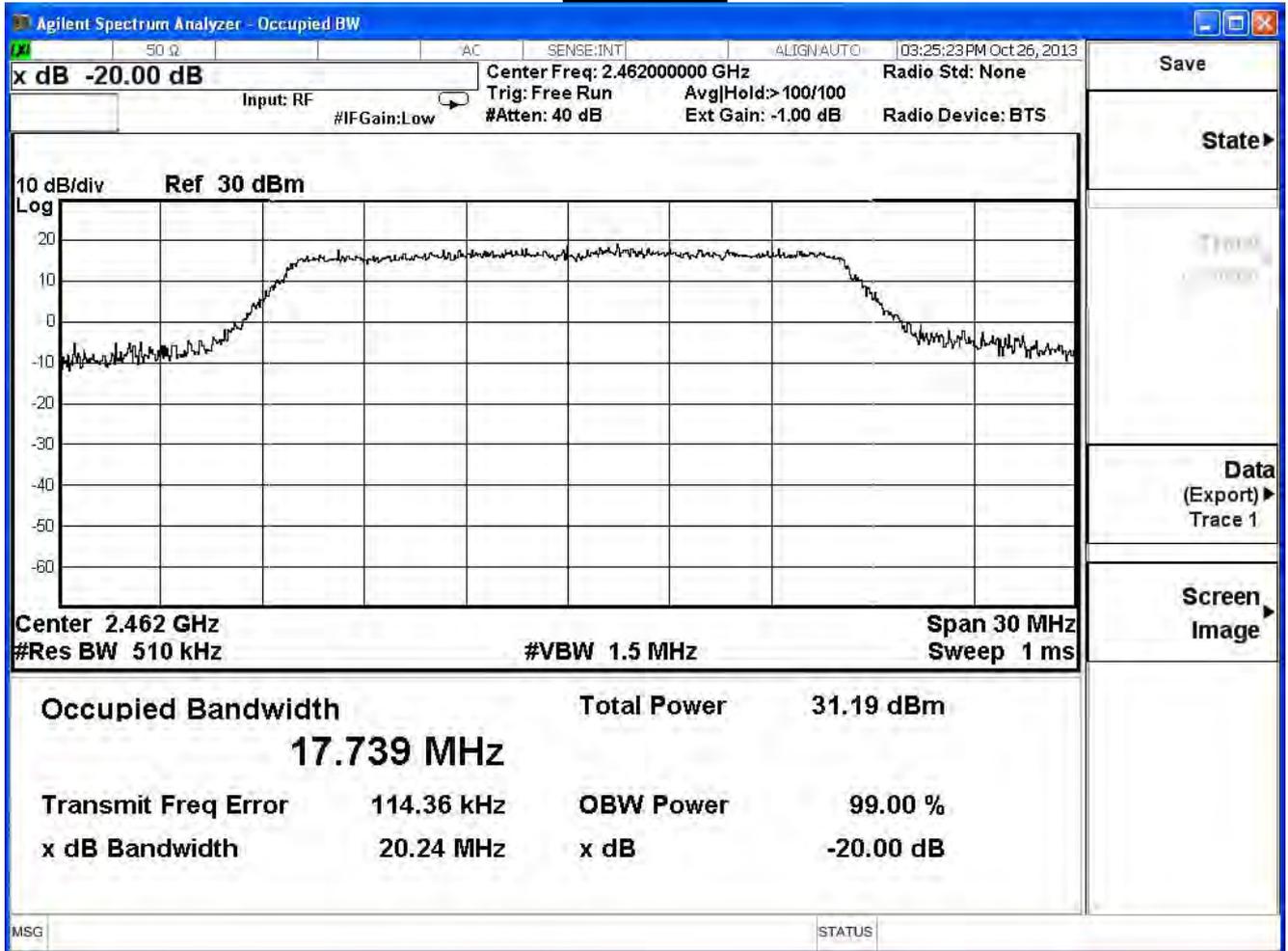
Channel 1



Channel 6



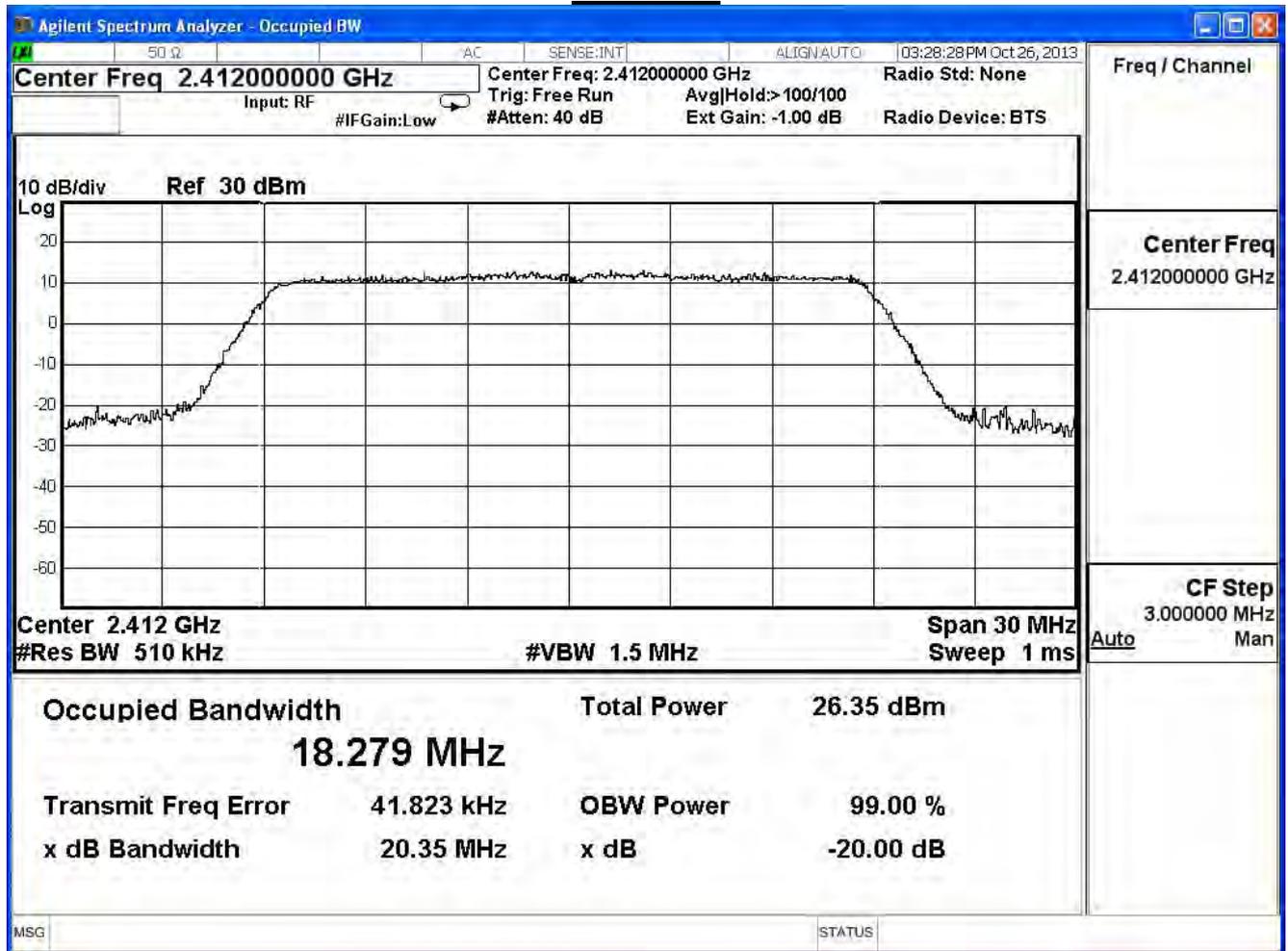
Channel 11



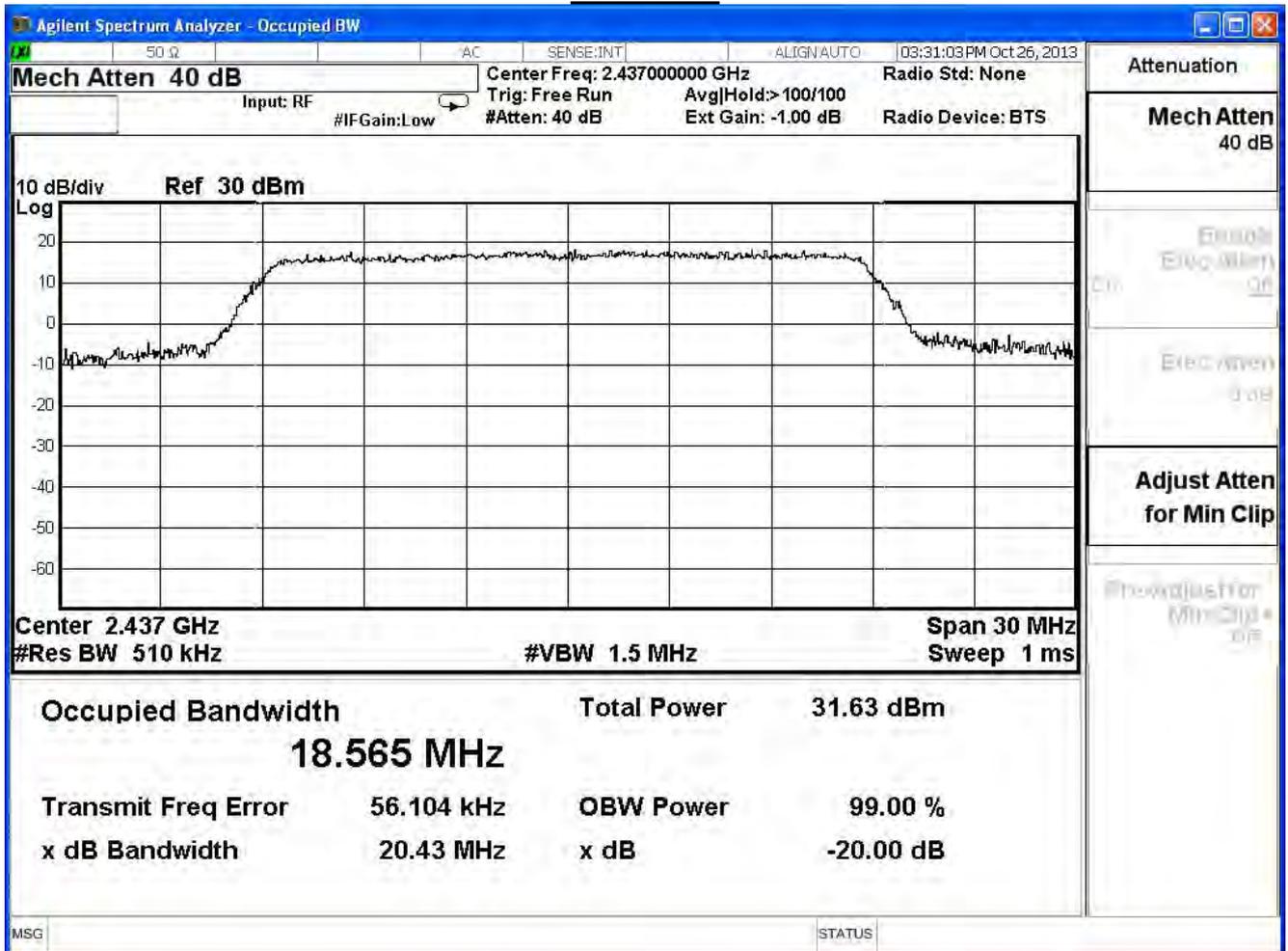
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	20.35	≥ 0.5	Pass
6	2437	20.43	≥ 0.5	Pass
11	2462	20.07	≥ 0.5	Pass

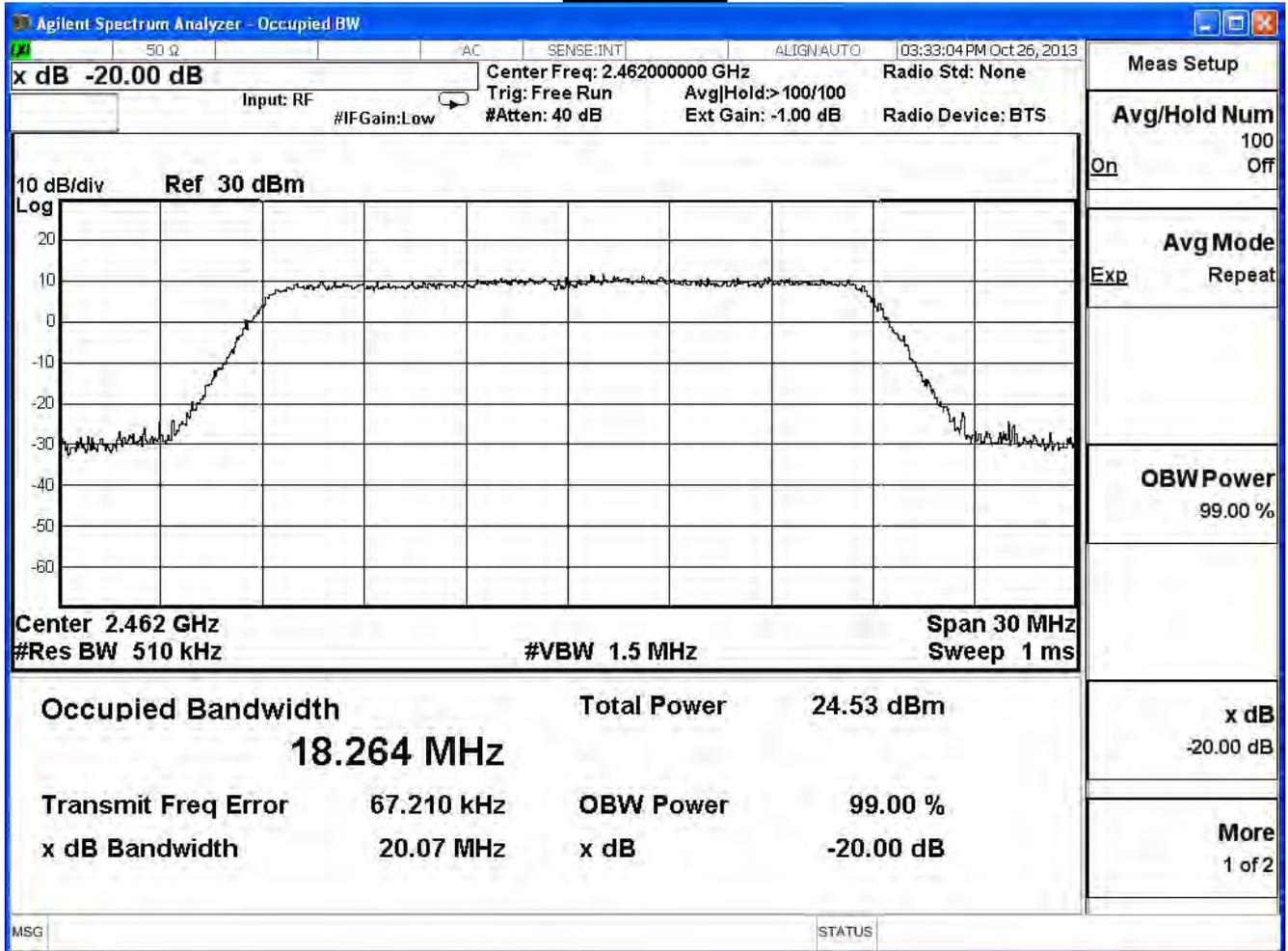
Channel 1



Channel 6



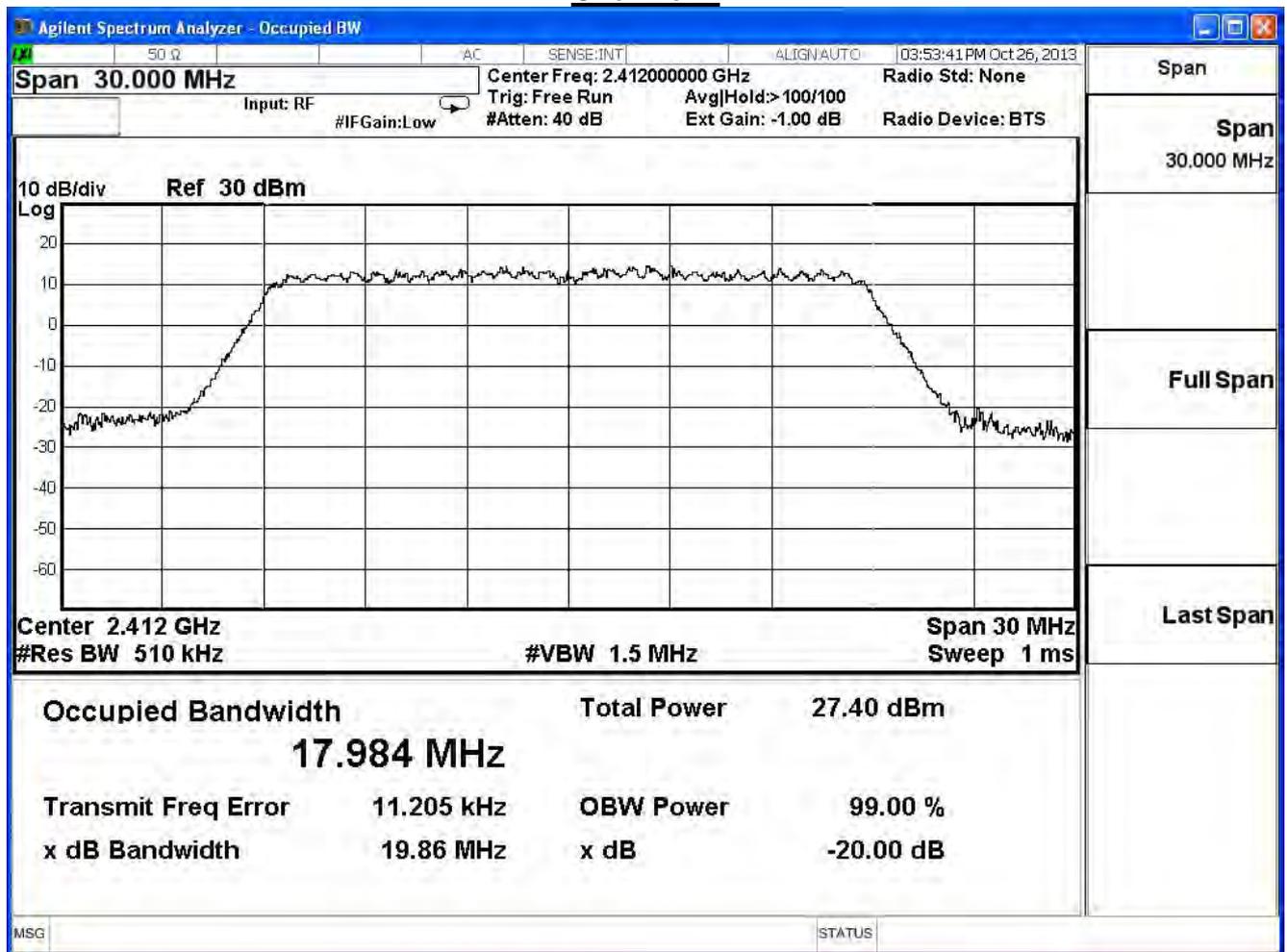
Channel 11



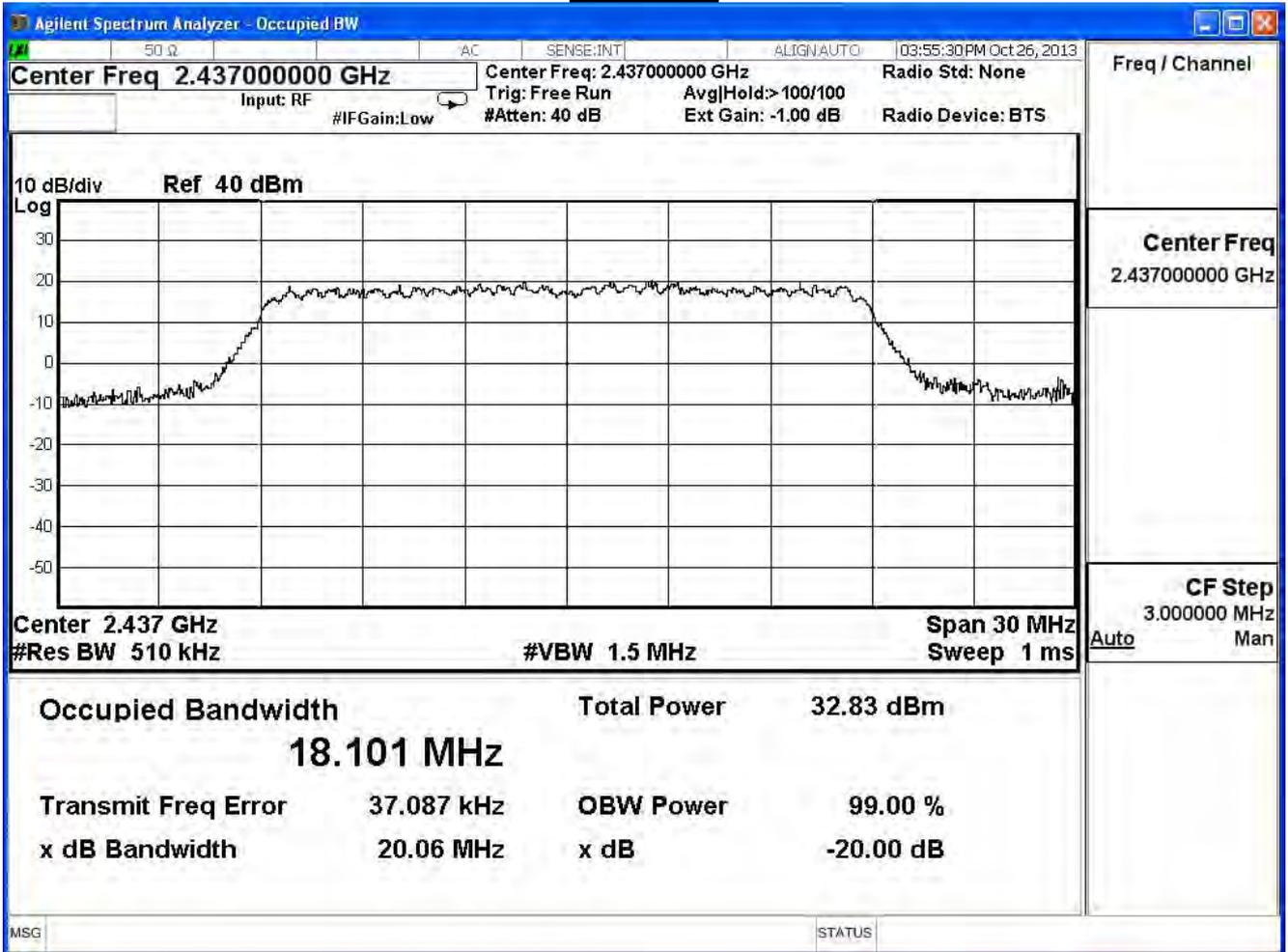
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	19.86	≥ 0.5	Pass
6	2437	20.06	≥ 0.5	Pass
11	2462	19.91	≥ 0.5	Pass

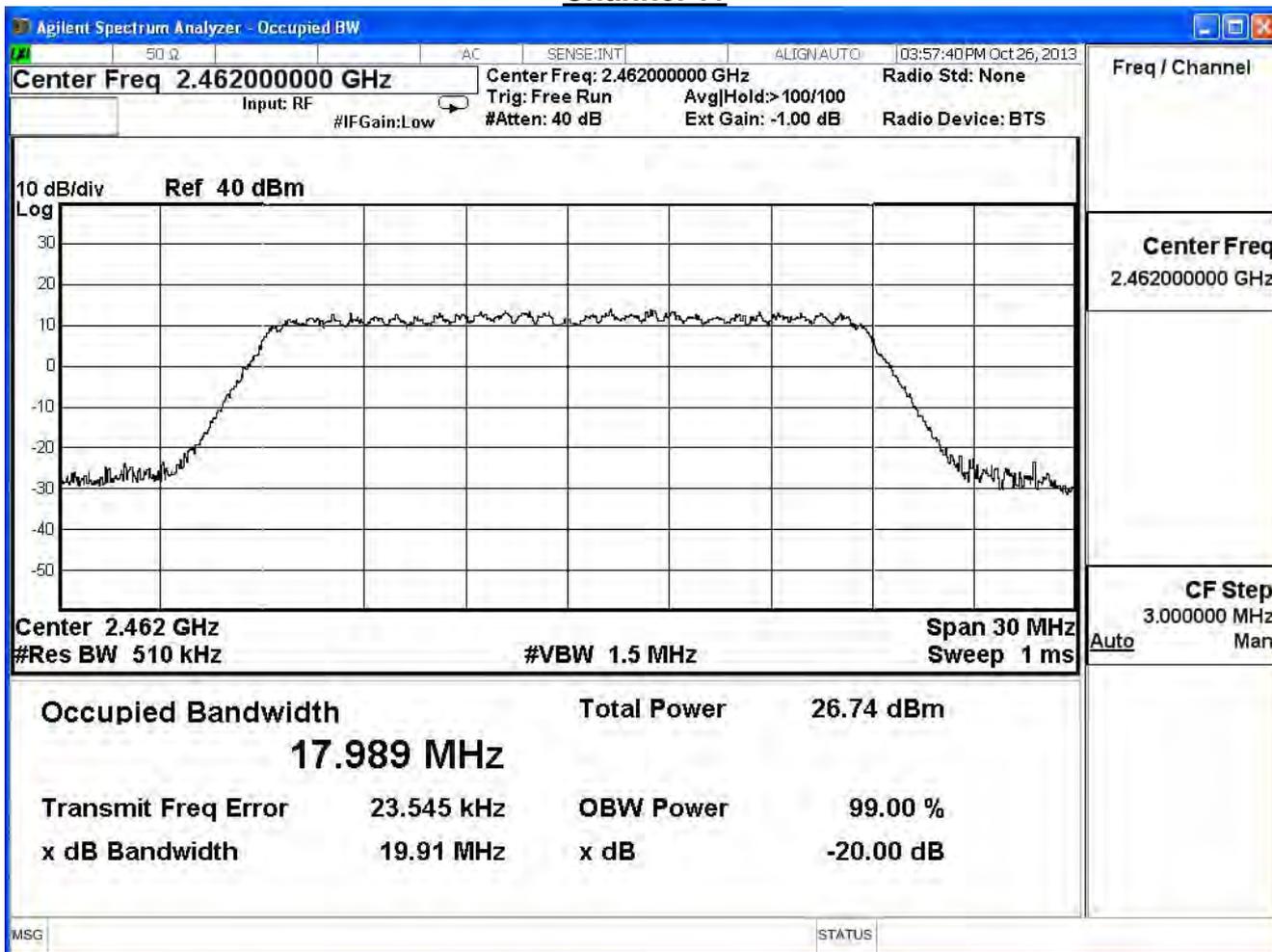
Channel 1



Channel 6



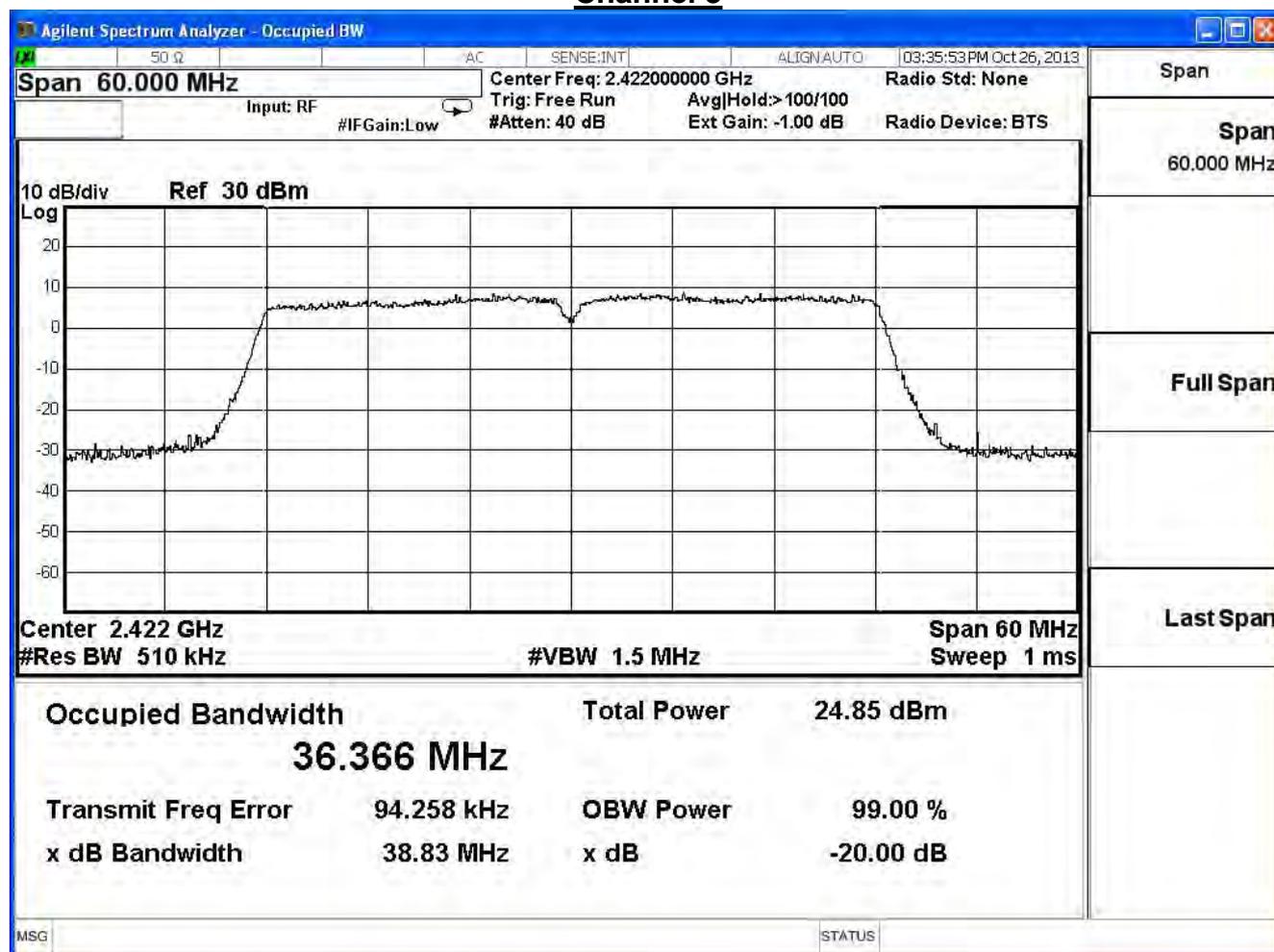
Channel 11



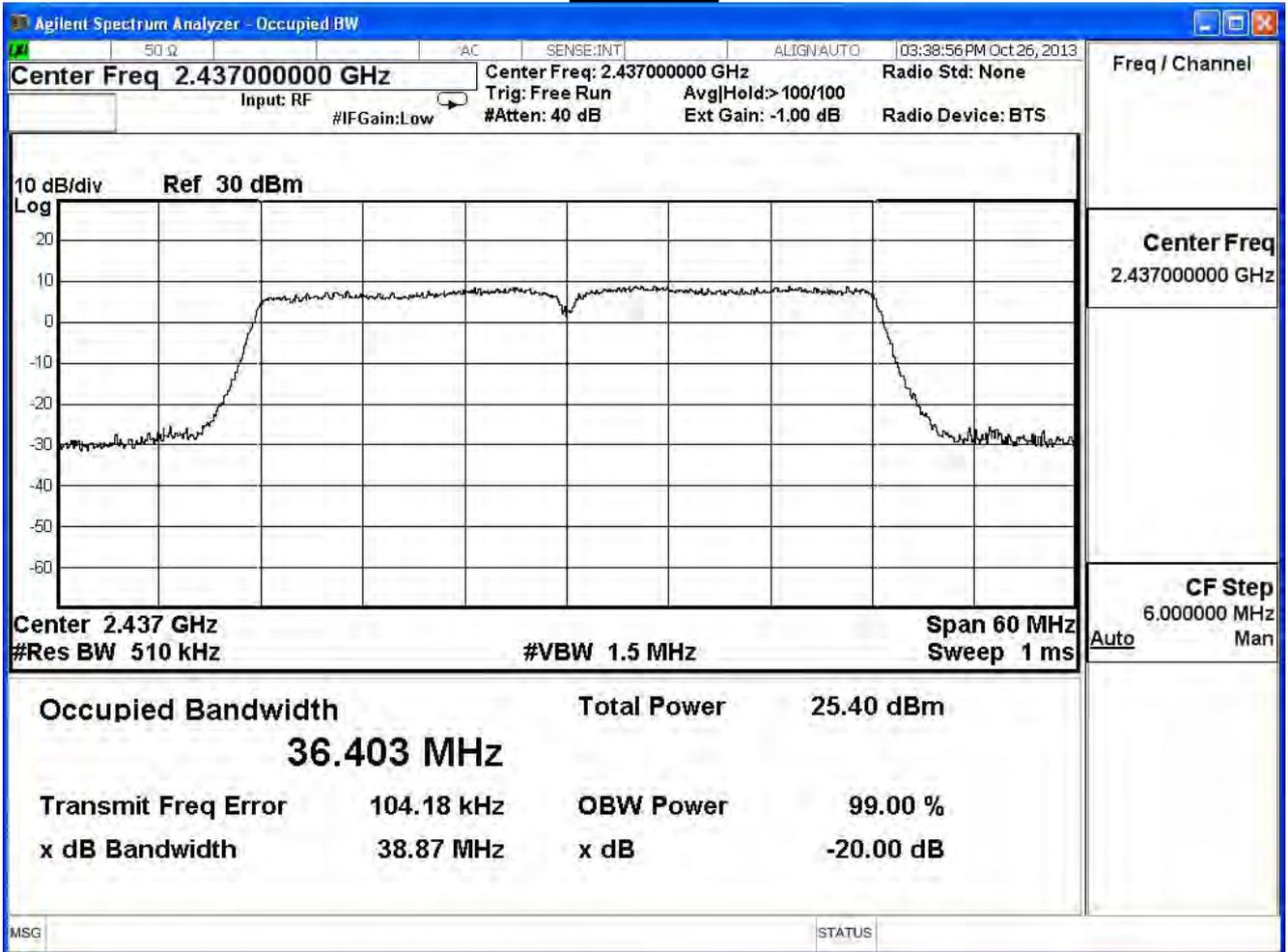
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	38.83	≥ 0.5	Pass
6	2437	38.87	≥ 0.5	Pass
9	2452	38.87	≥ 0.5	Pass

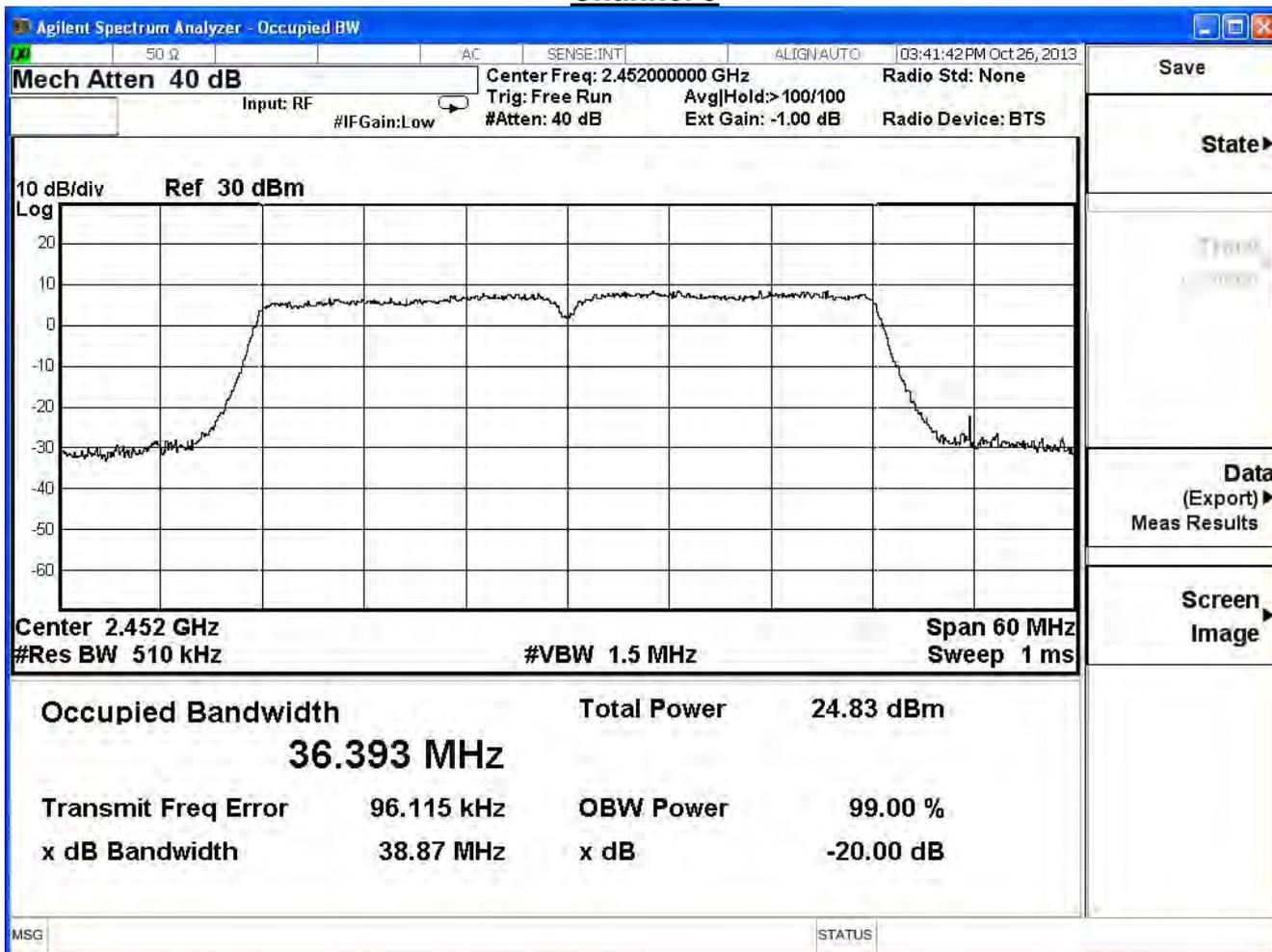
Channel 3



Channel 6



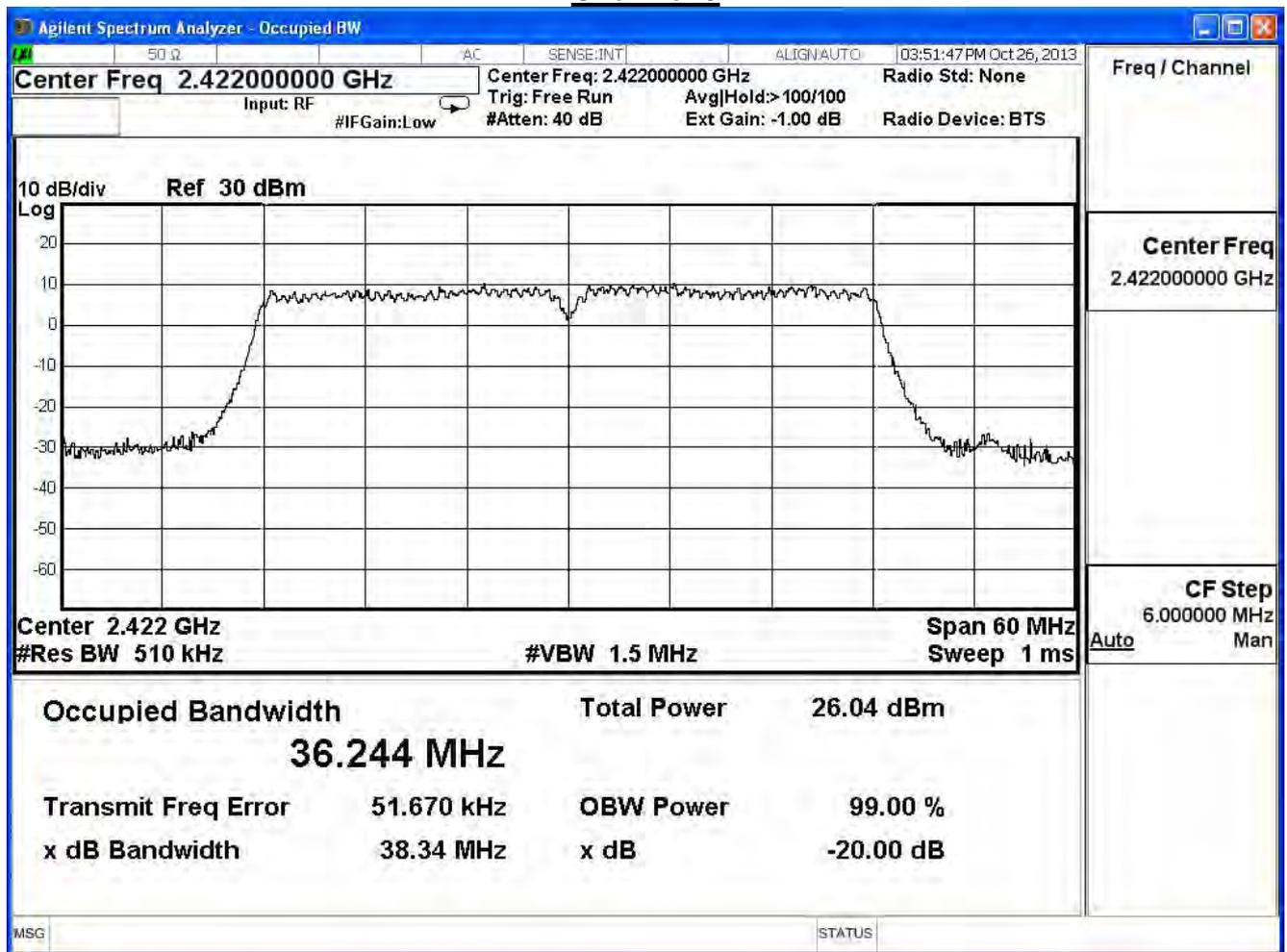
Channel 9



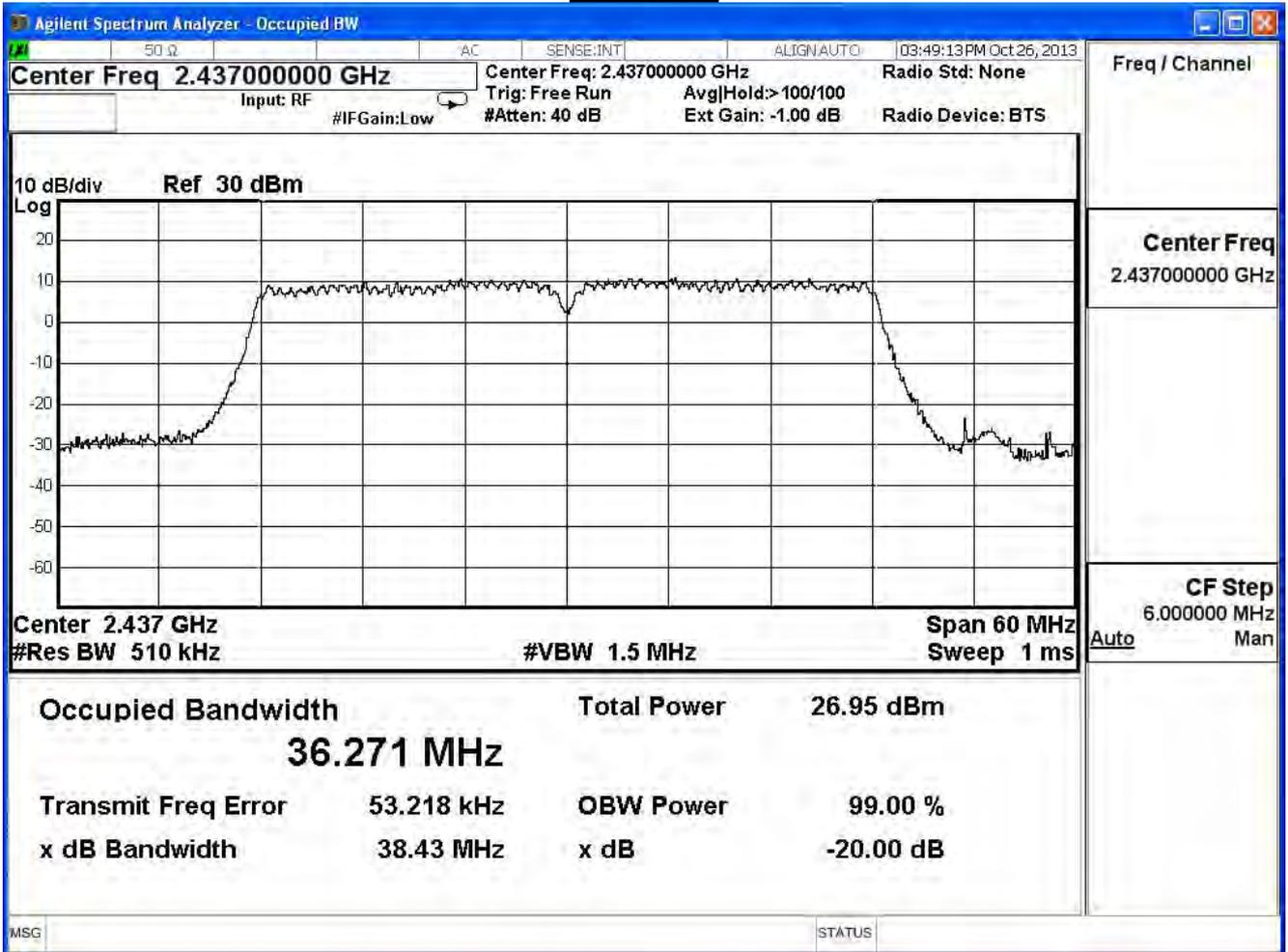
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/10/26	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	38.34	≥ 0.5	Pass
6	2437	38.43	≥ 0.5	Pass
9	2452	38.43	≥ 0.5	Pass

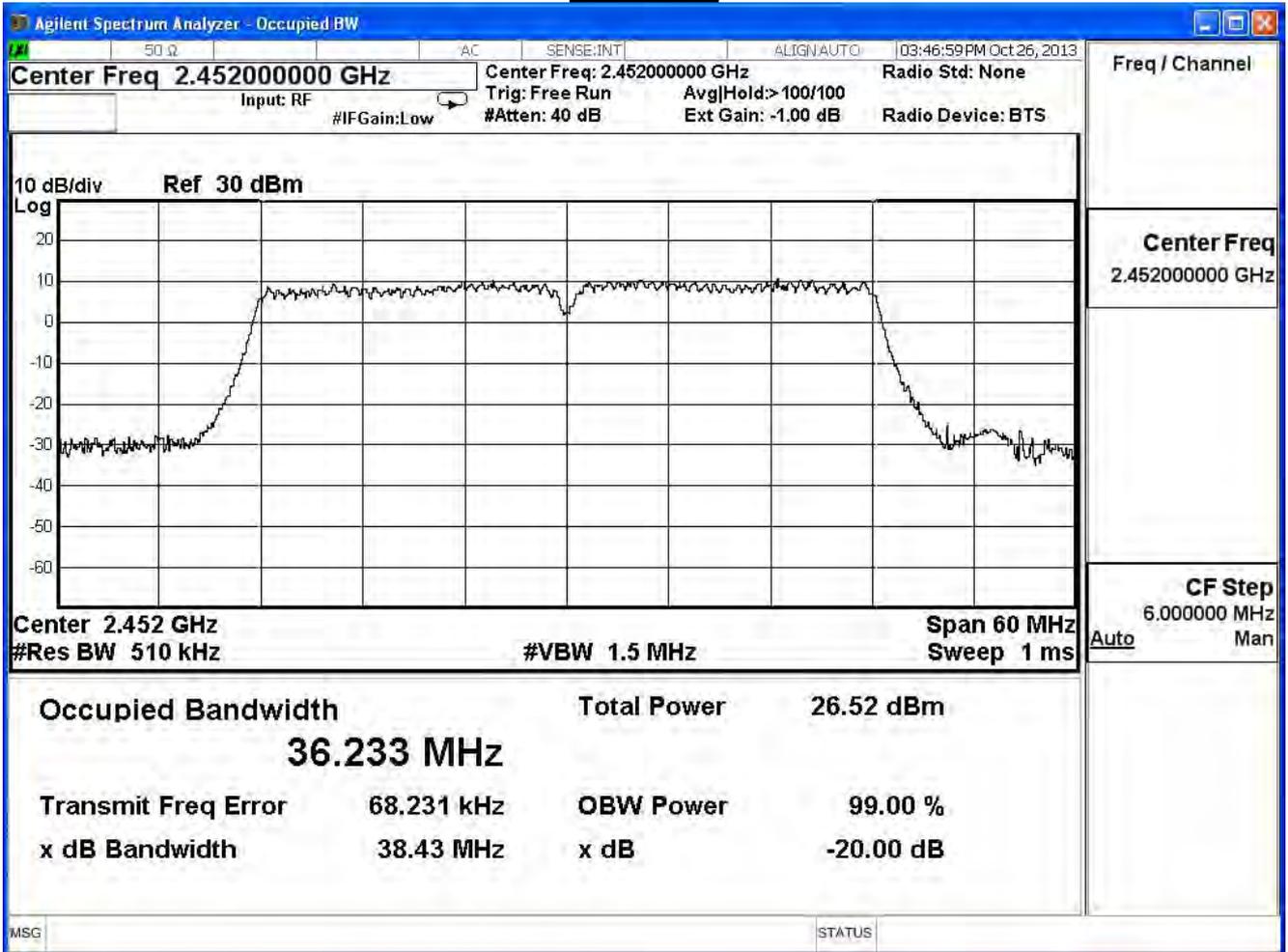
Channel 3



Channel 6



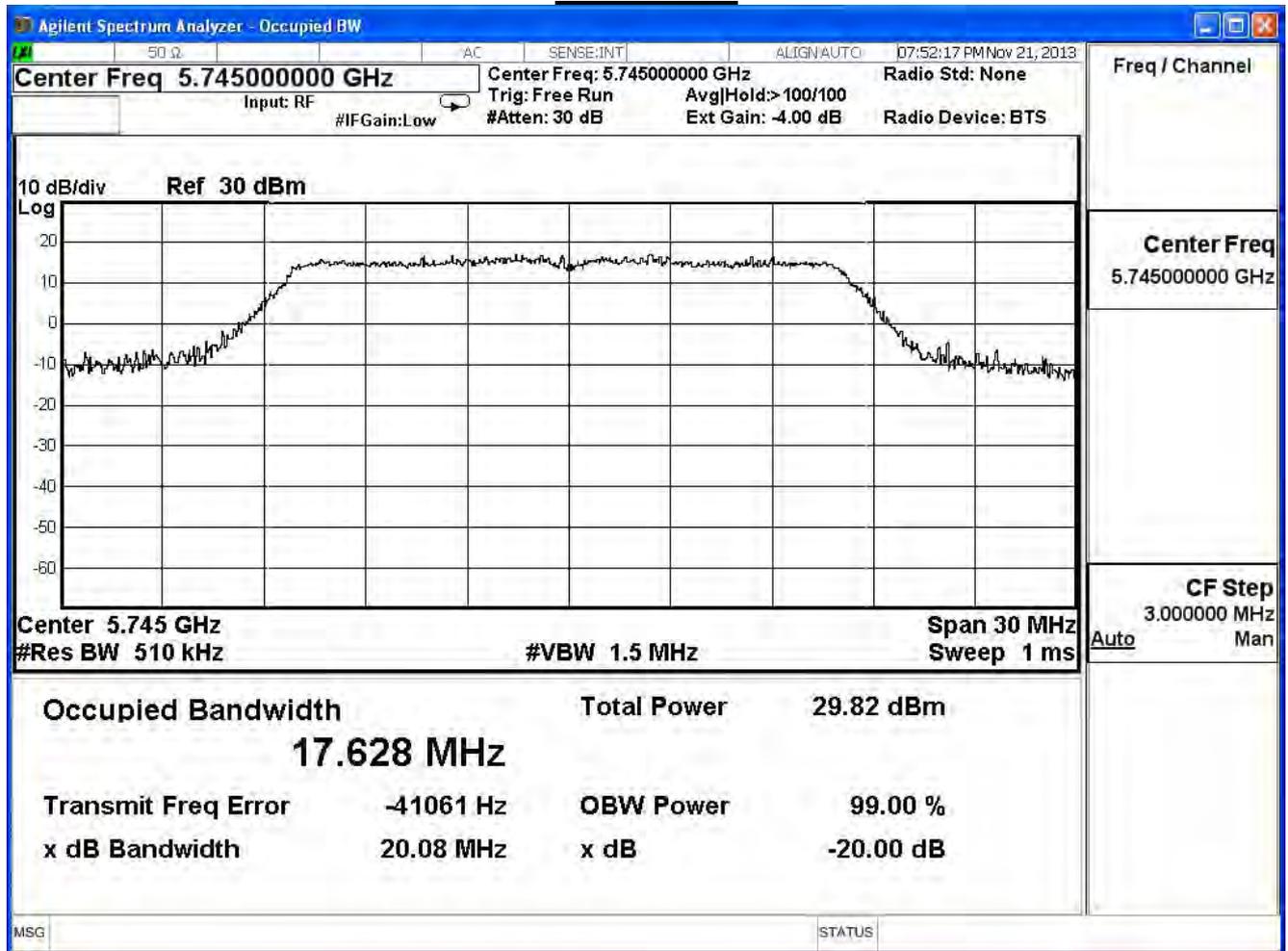
Channel 9



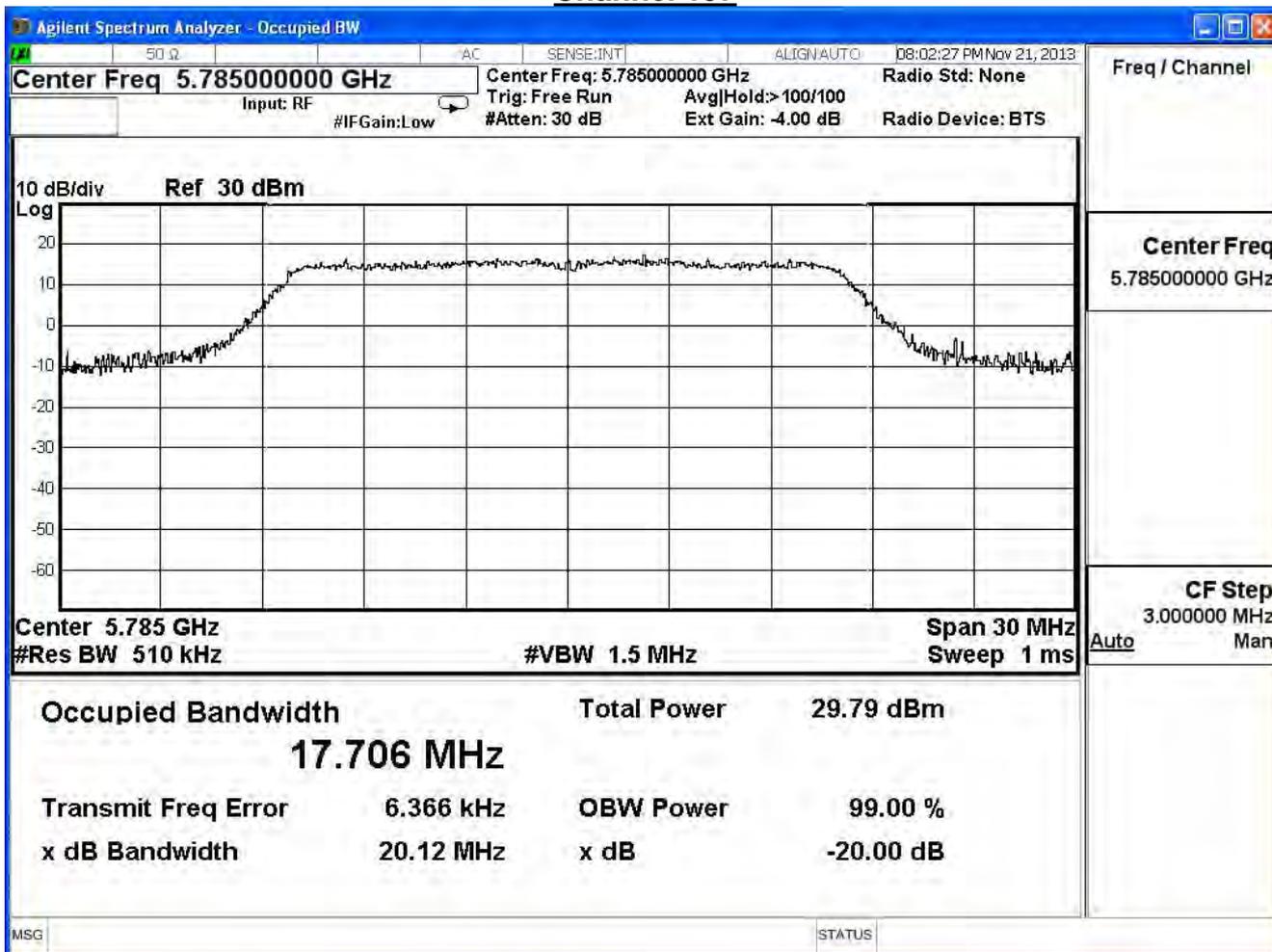
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/11/21	Test Site	SR7

802.11 a (ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	20.08	≥ 0.5	Pass
157	5785	20.12	≥ 0.5	Pass
165	5825	20.18	≥ 0.5	Pass

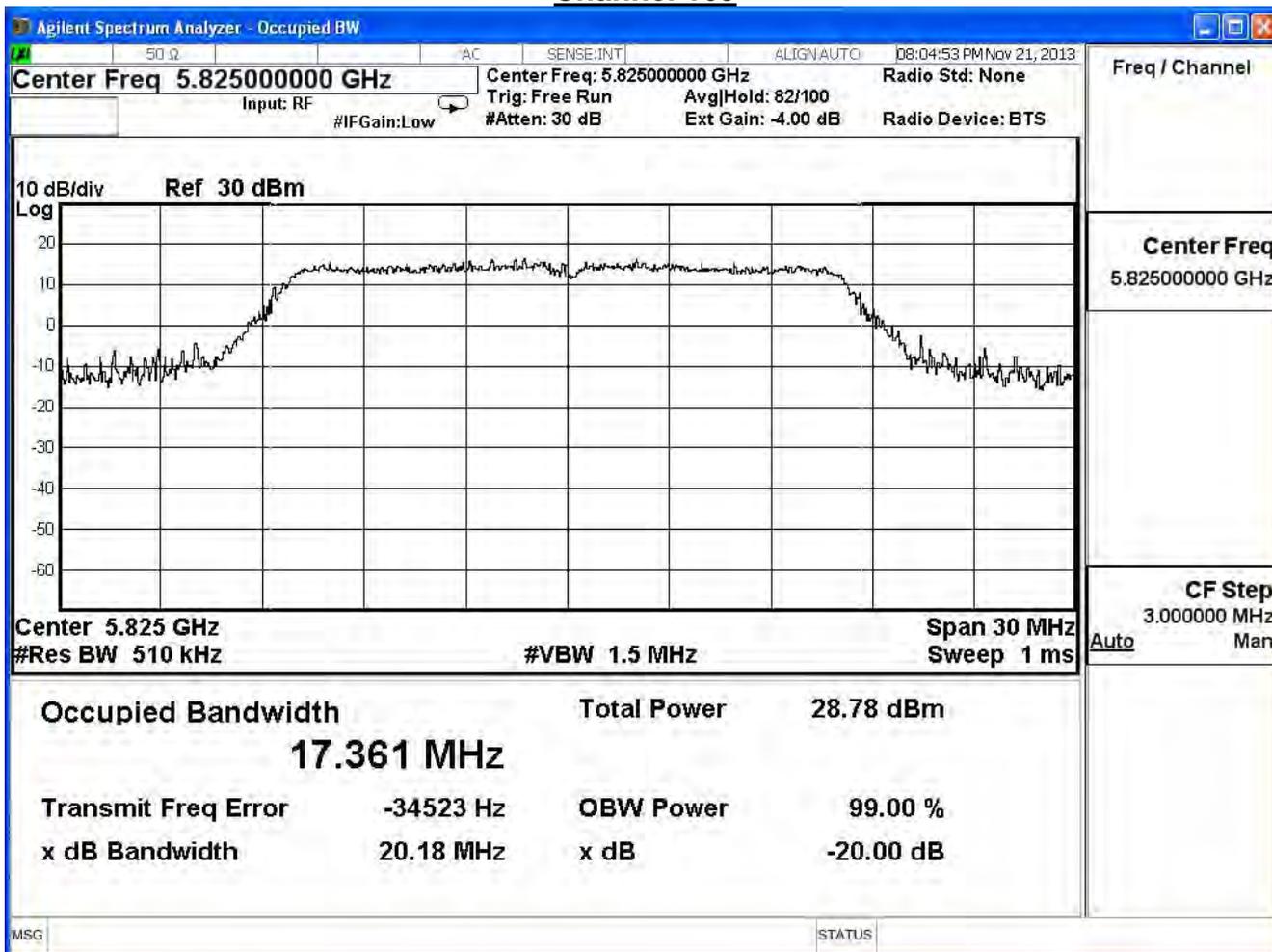
Channel 149



Channel 157



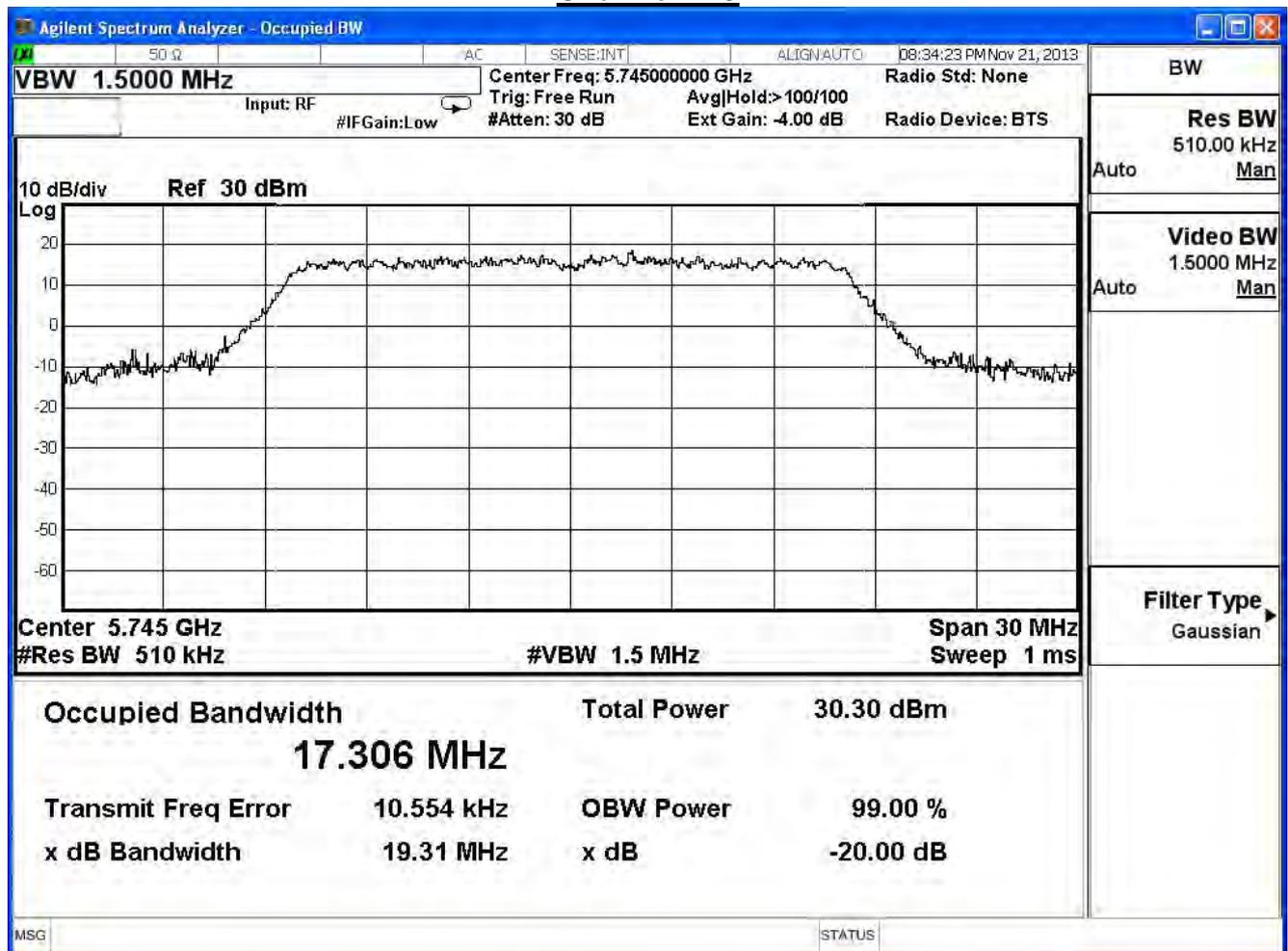
Channel 165



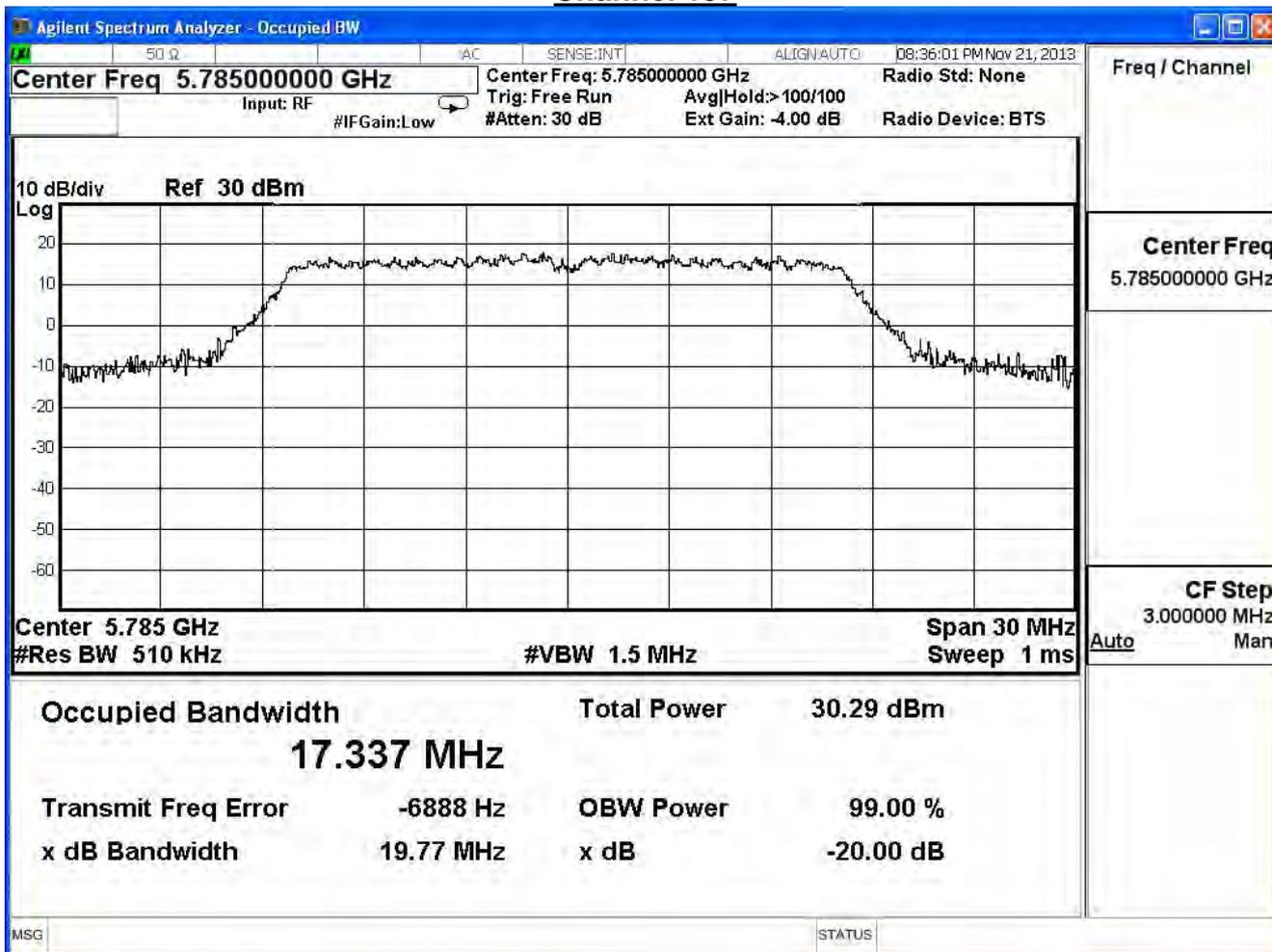
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/11/21	Test Site	SR7

802.11 a (ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	19.31	≥ 0.5	Pass
157	5785	19.77	≥ 0.5	Pass
165	5825	19.51	≥ 0.5	Pass

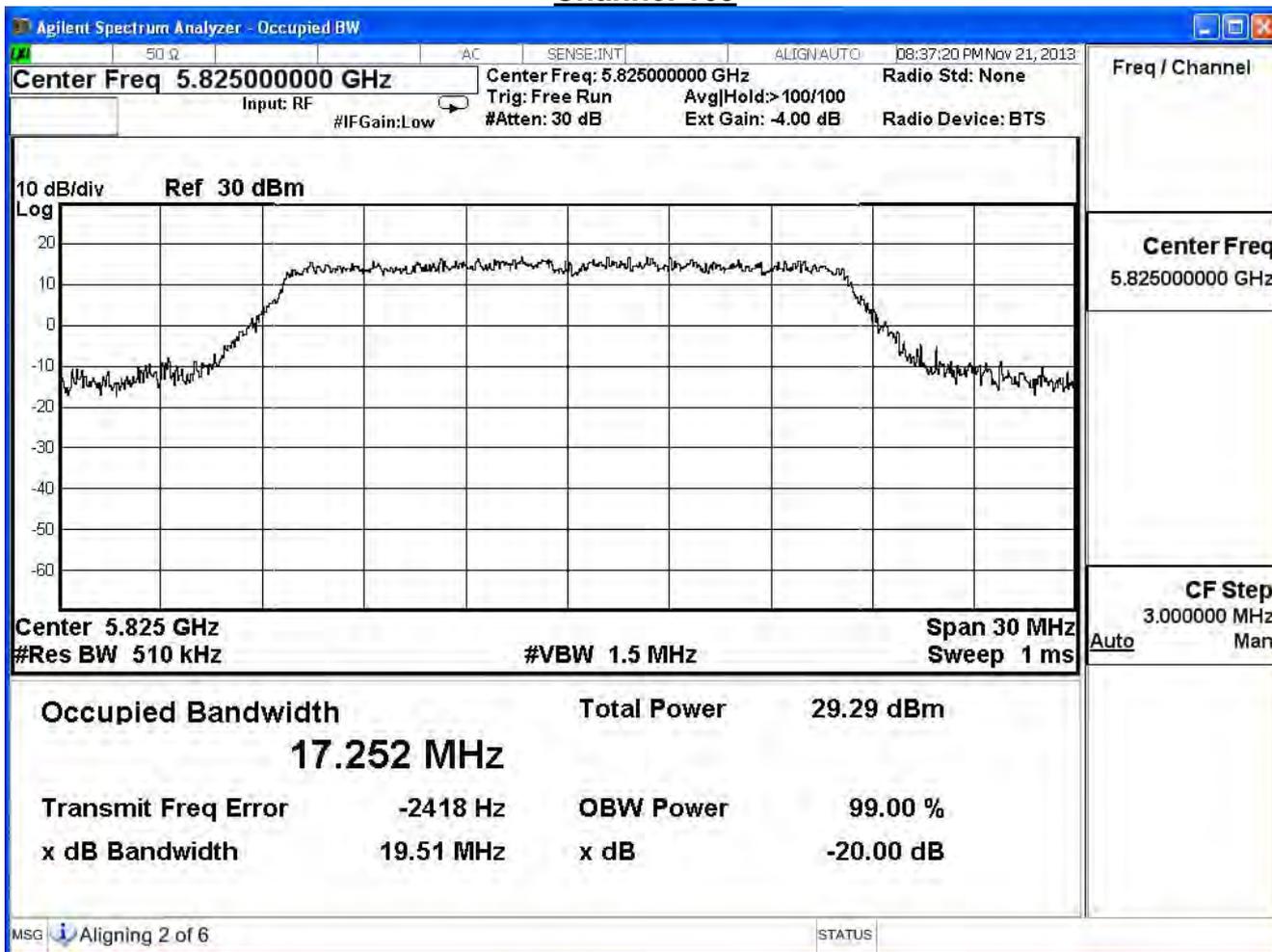
Channel 149



Channel 157



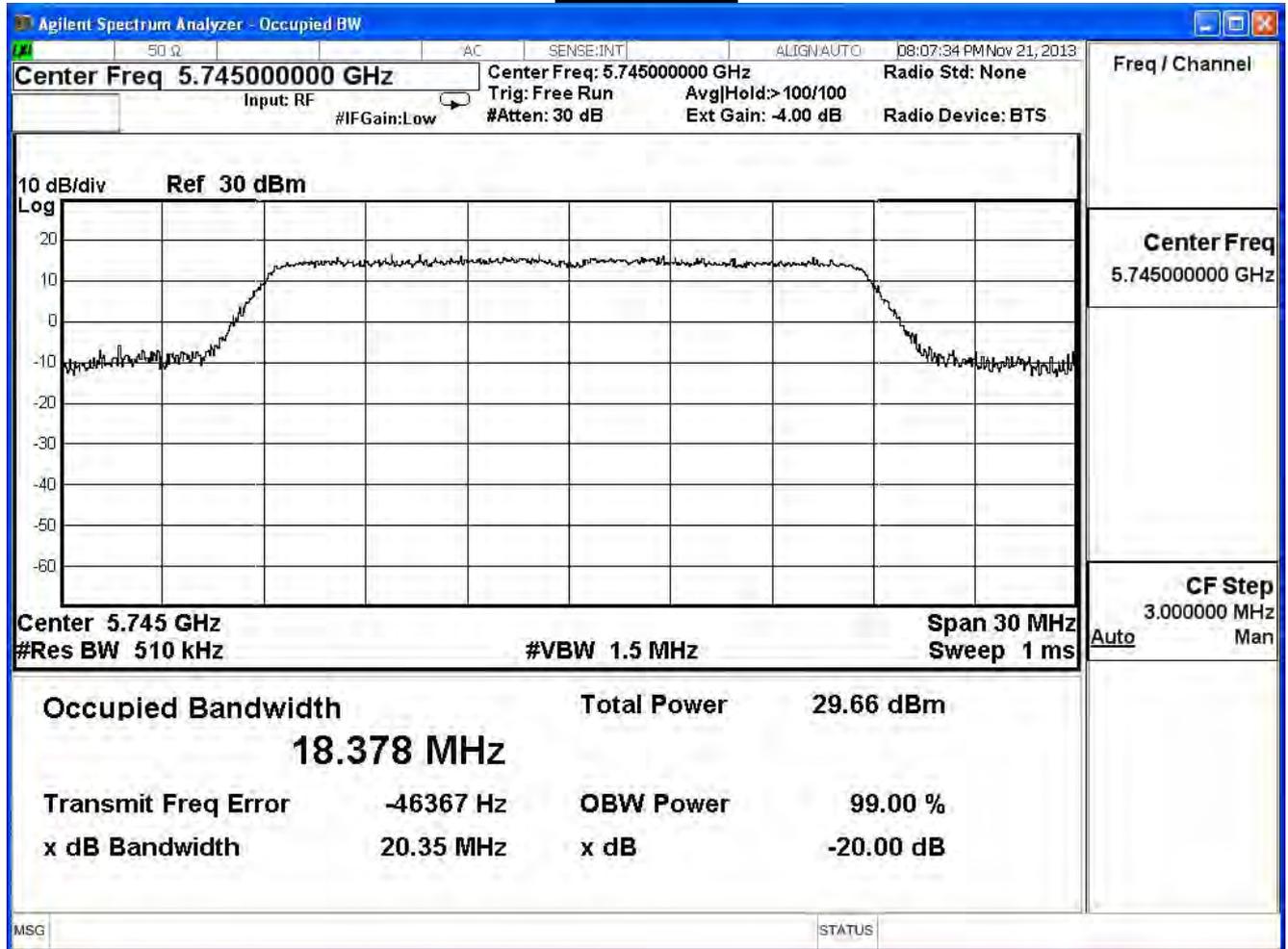
Channel 165



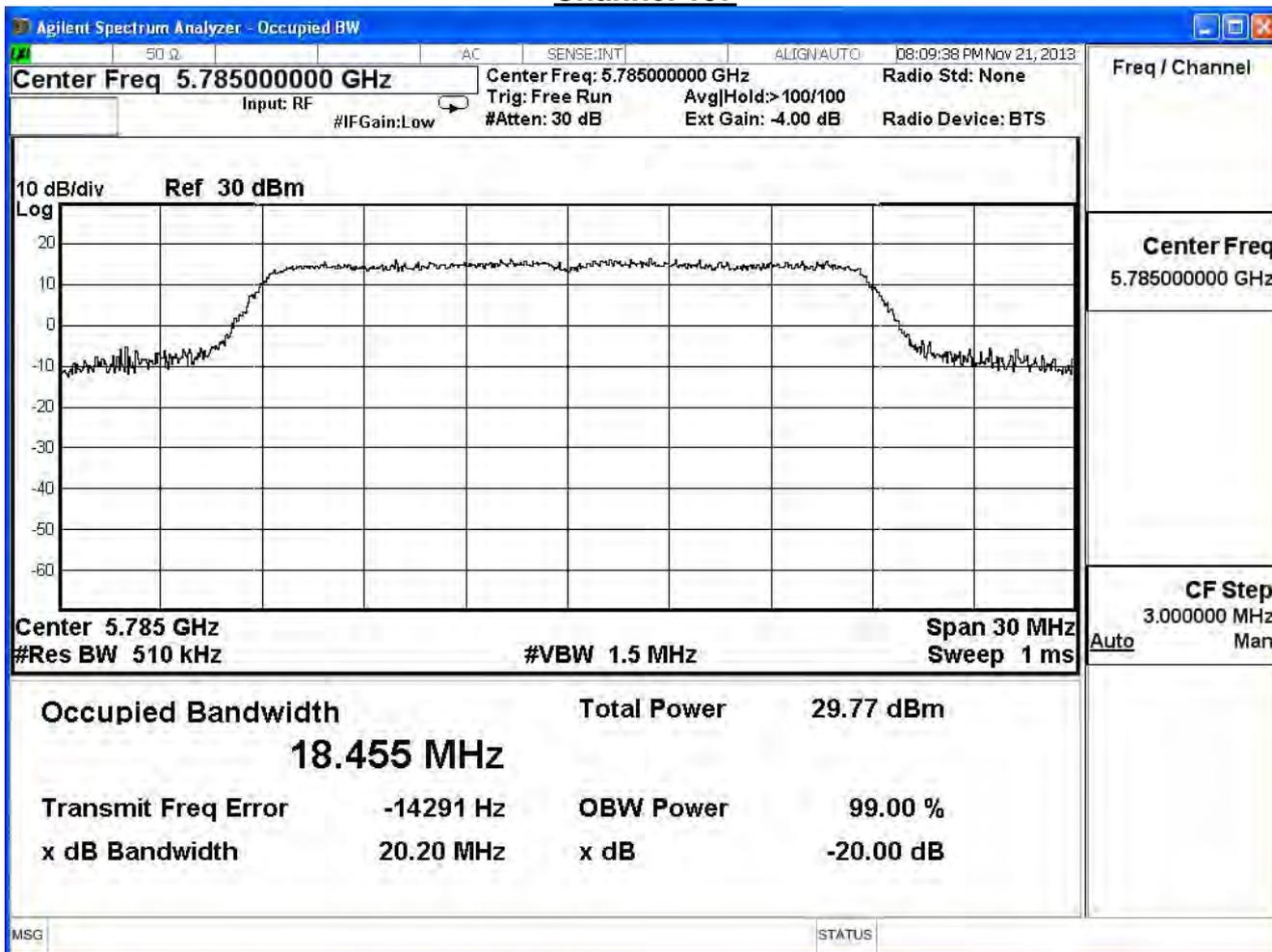
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	20.35	≥ 0.5	Pass
157	5785	20.20	≥ 0.5	Pass
165	5825	20.45	≥ 0.5	Pass

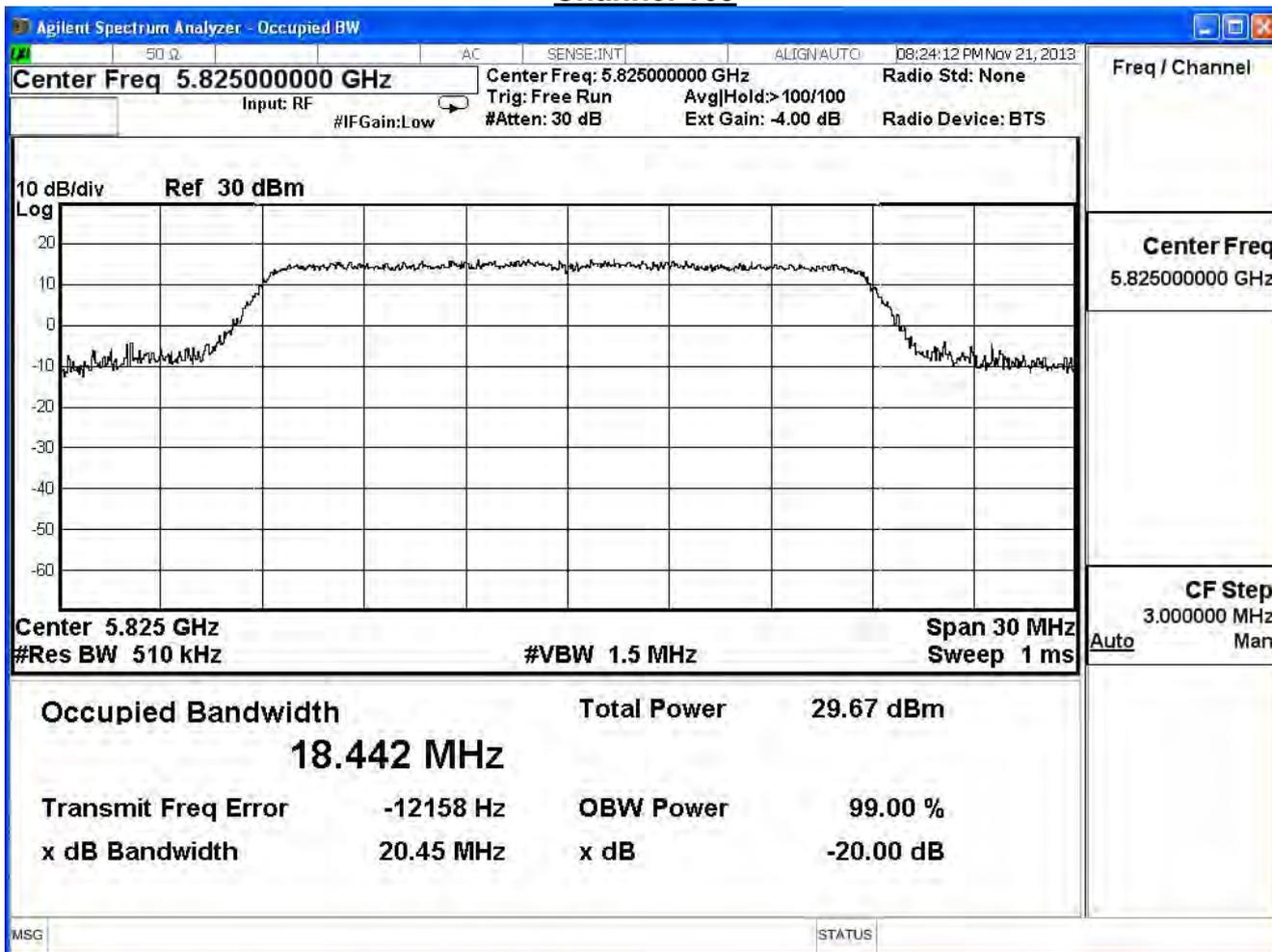
Channel 149



Channel 157



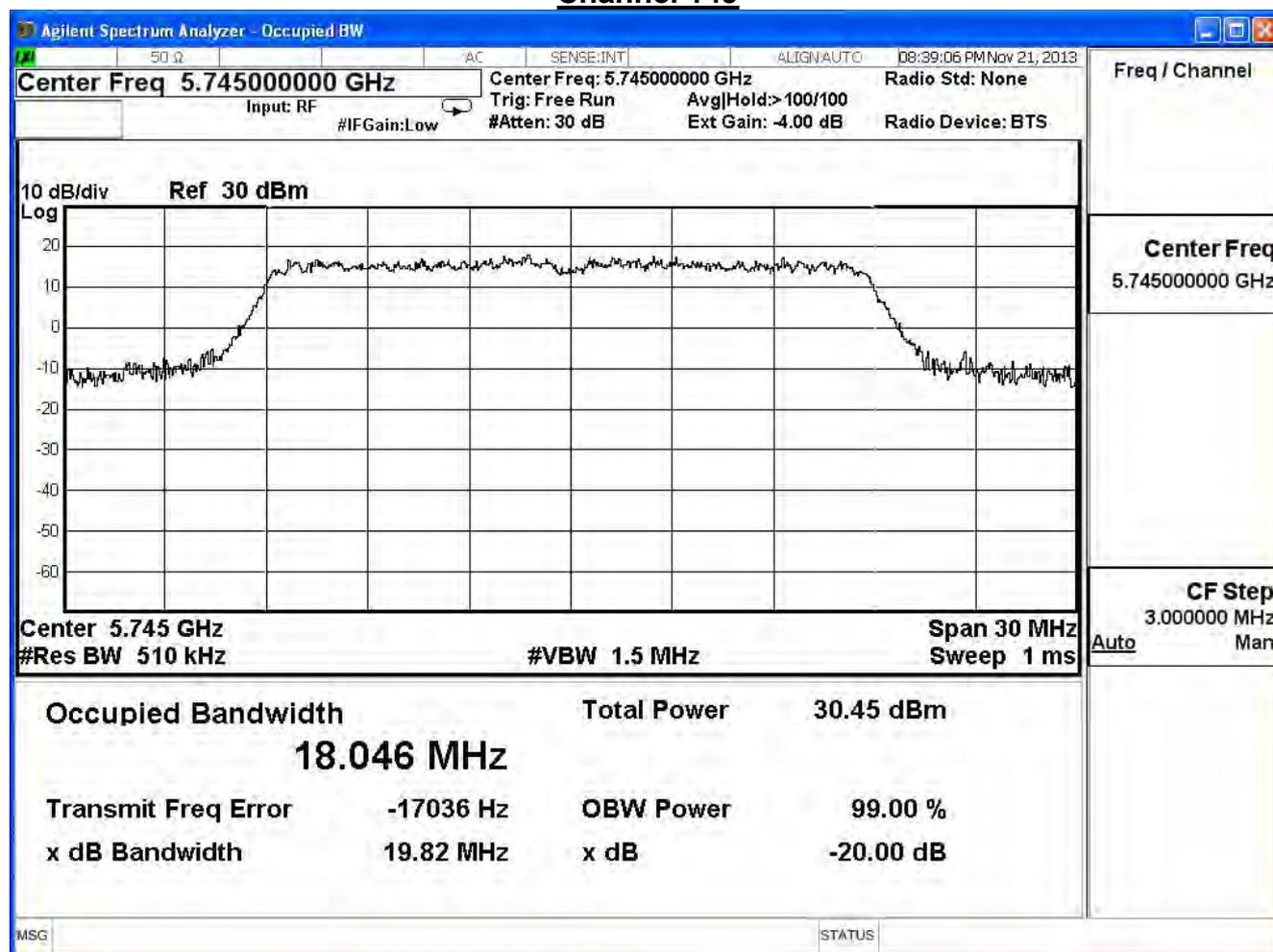
Channel 165



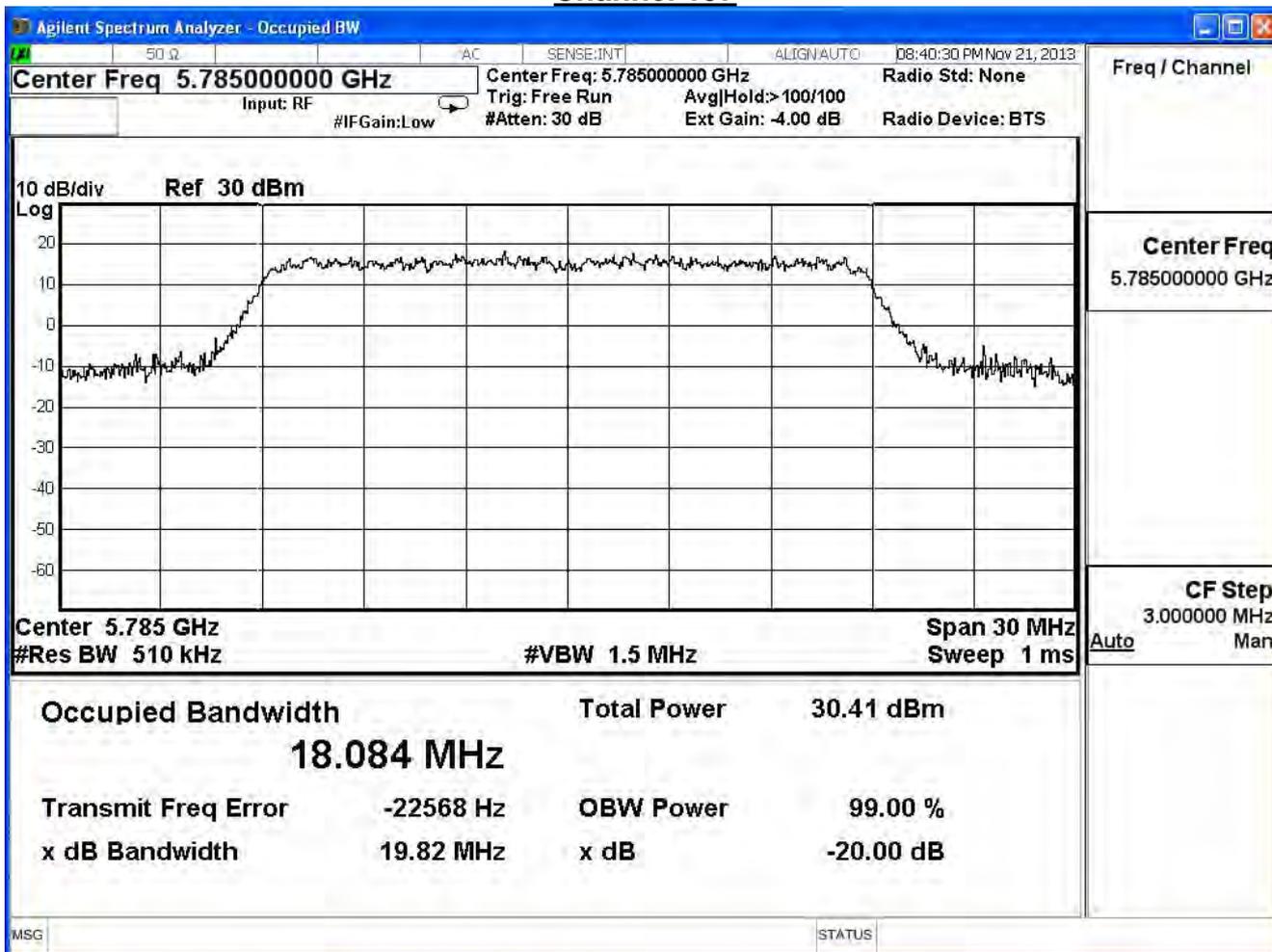
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	19.82	≥ 0.5	Pass
157	5785	19.82	≥ 0.5	Pass
165	5825	20.05	≥ 0.5	Pass

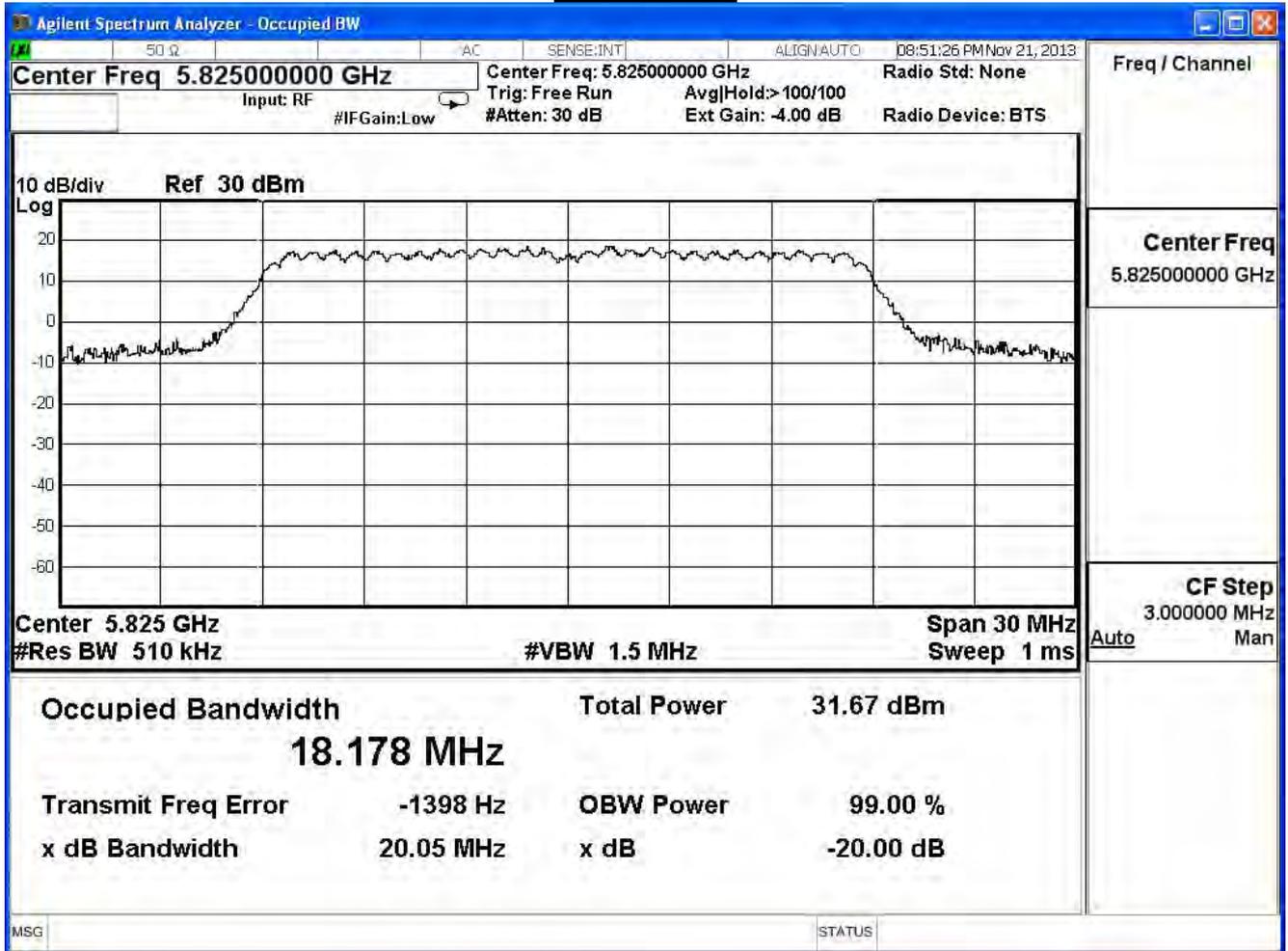
Channel 149



Channel 157



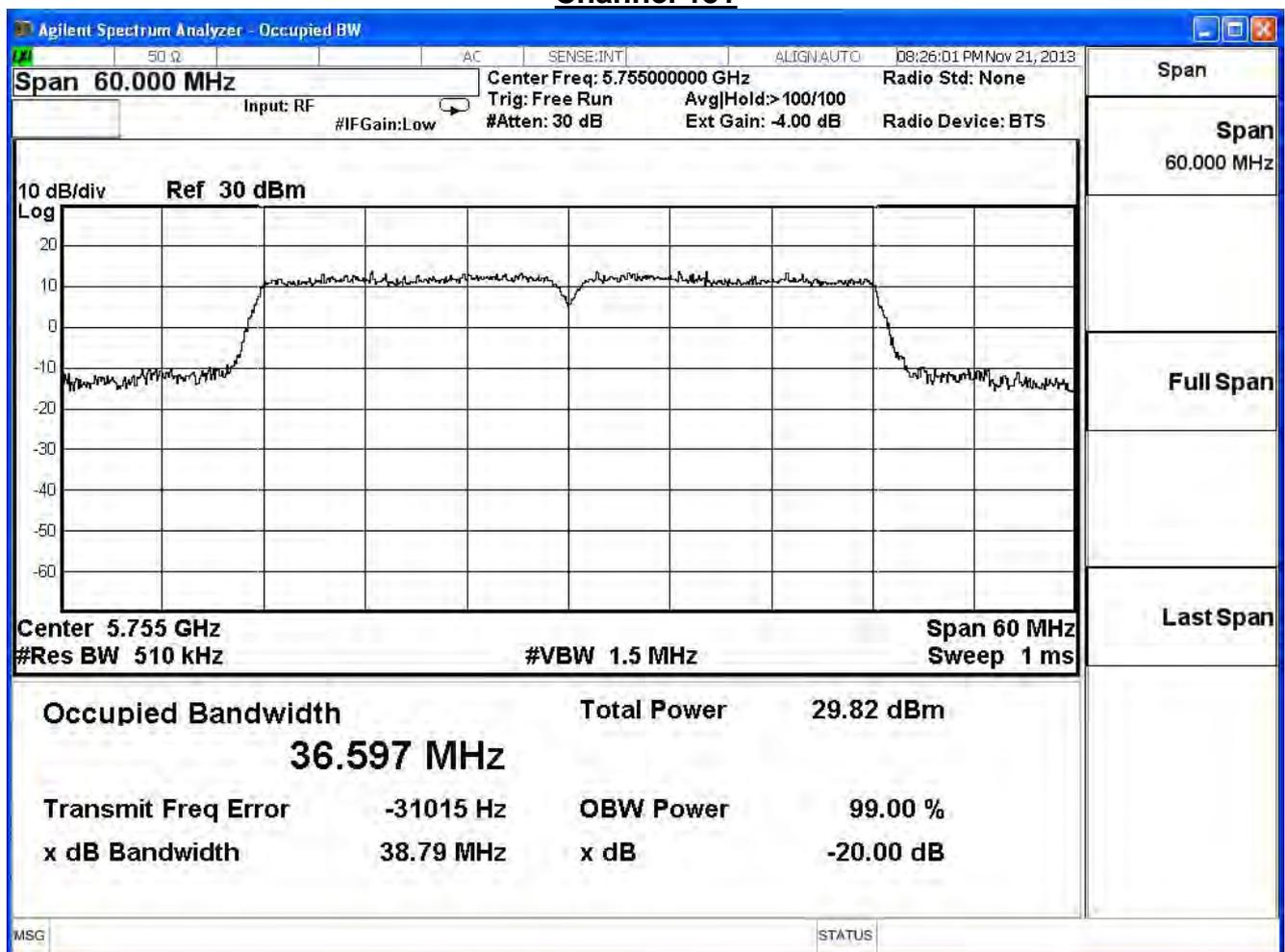
Channel 165



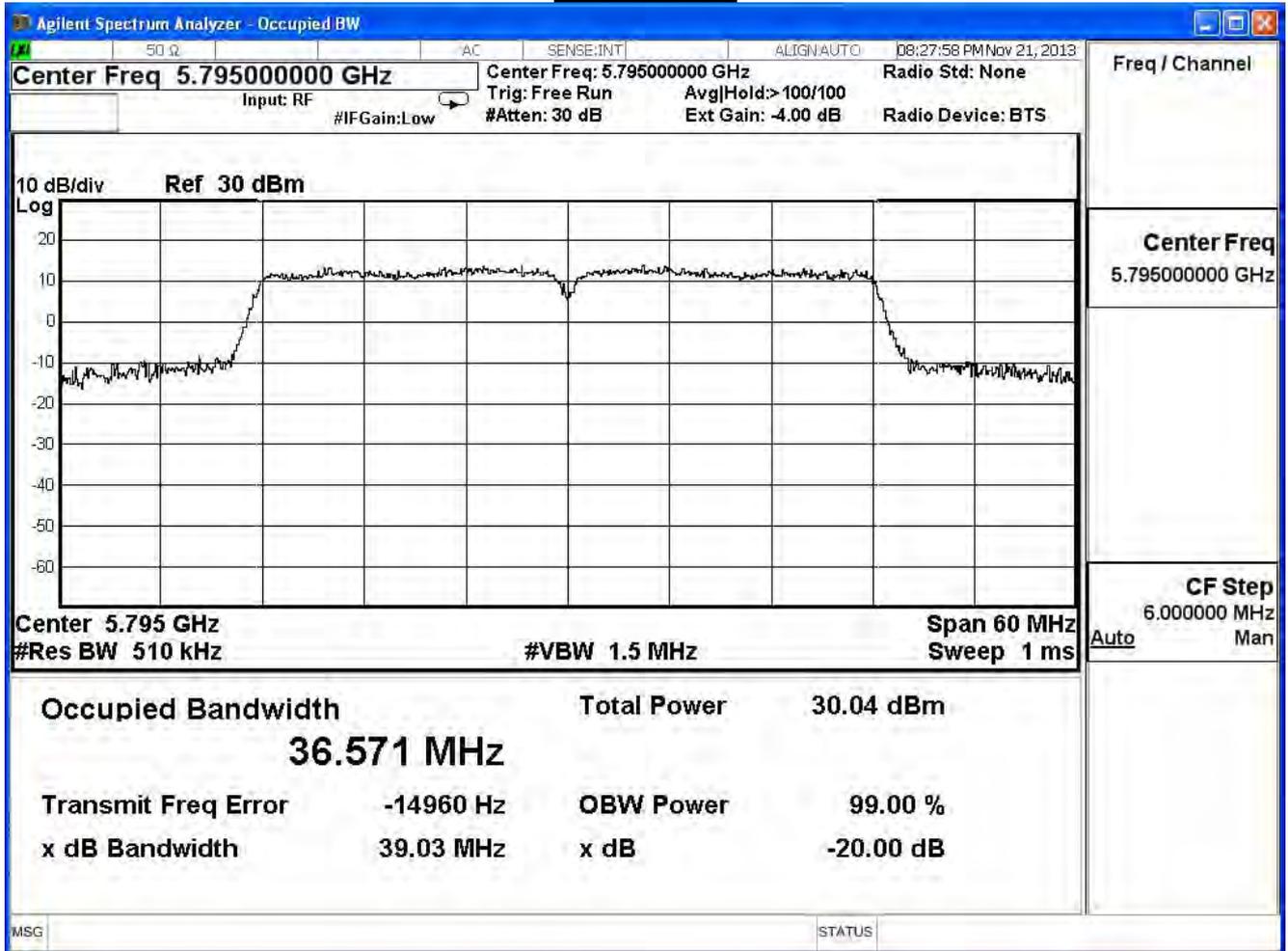
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	38.79	≥ 0.5	Pass
159	5795	39.03	≥ 0.5	Pass

Channel 151



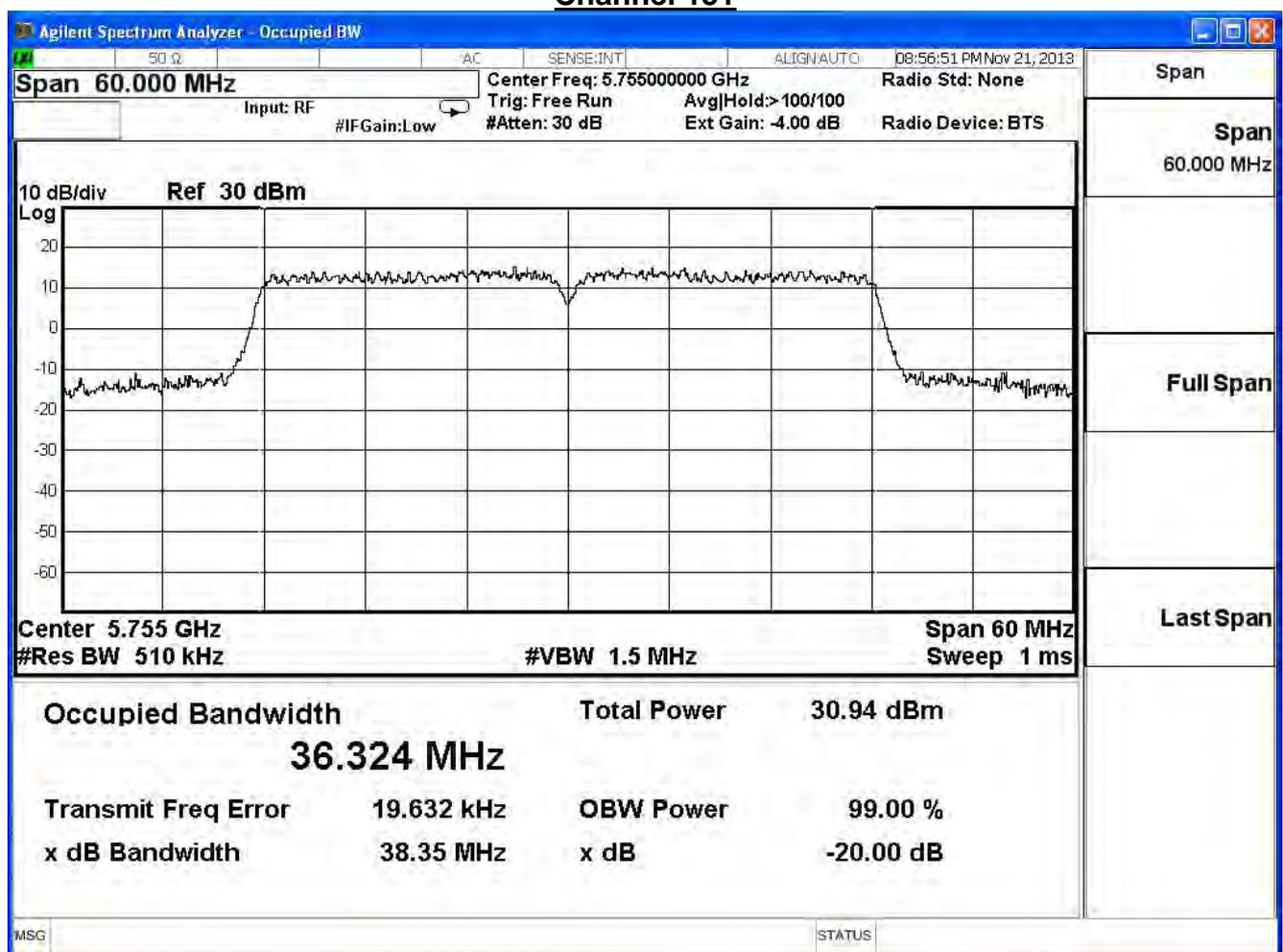
Channel 159



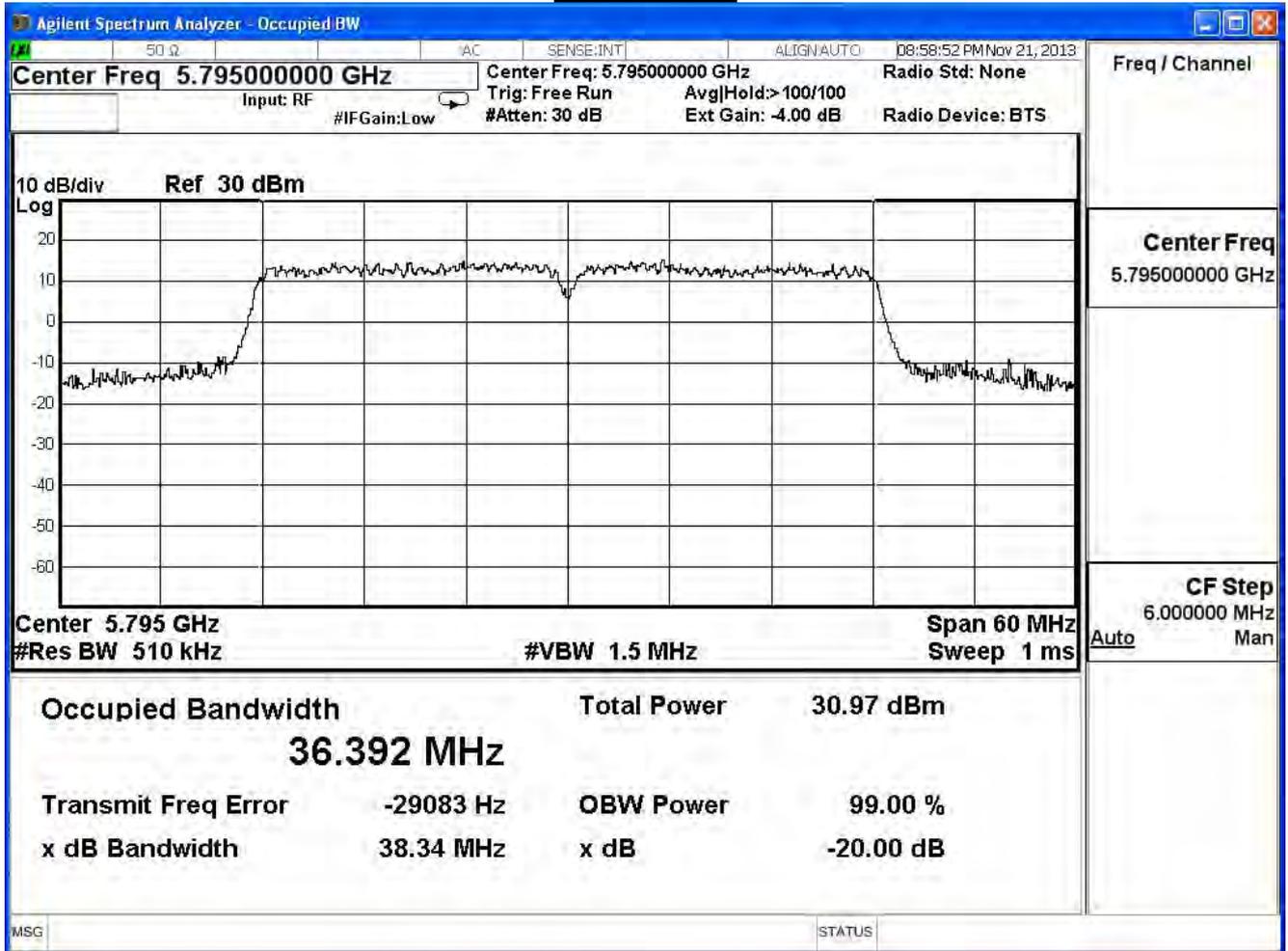
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	38.35	≥ 0.5	Pass
159	5795	38.34	≥ 0.5	Pass

Channel 151



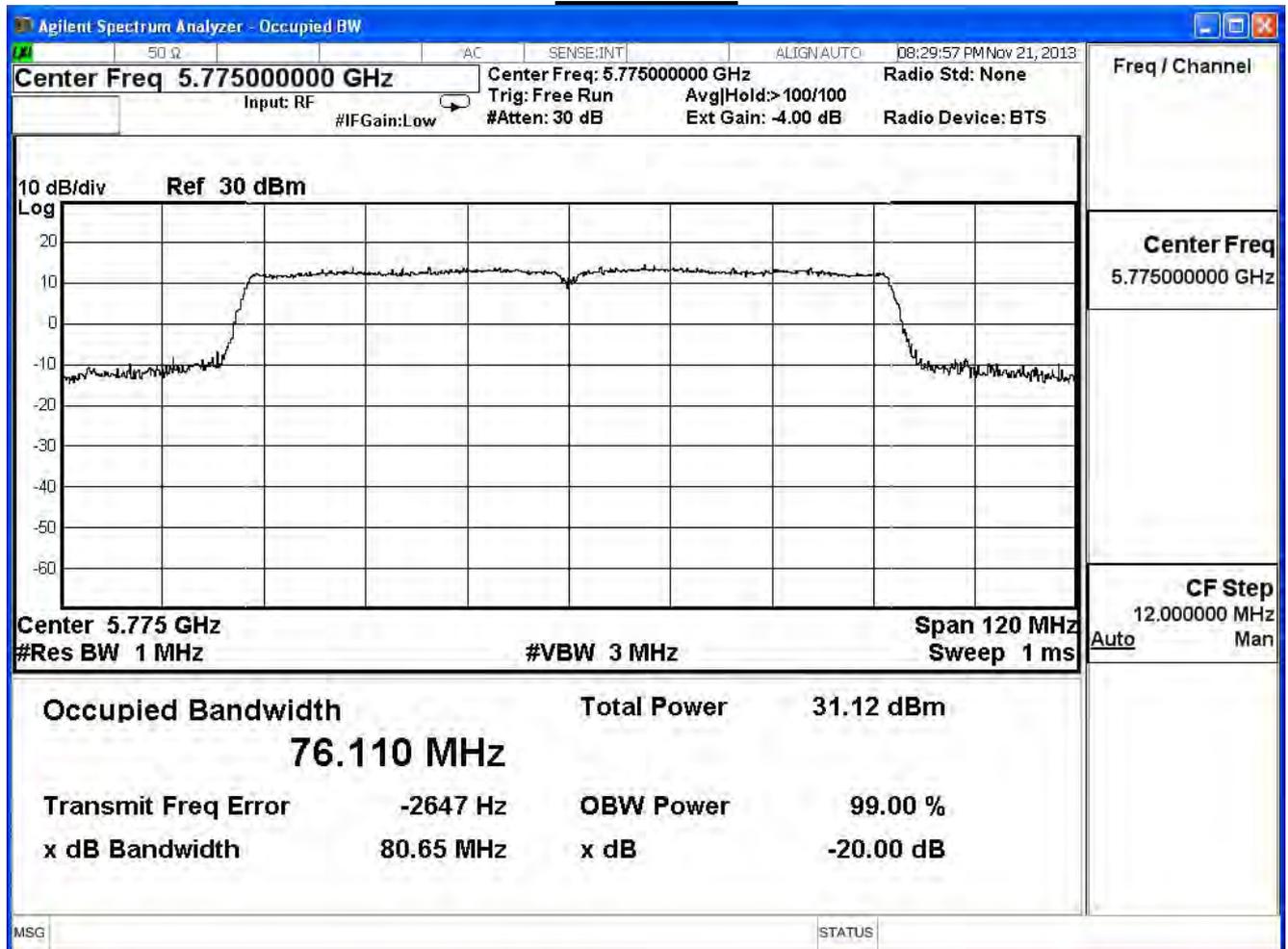
Channel 159



Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
155	5775	80.65	≥ 0.5	Pass

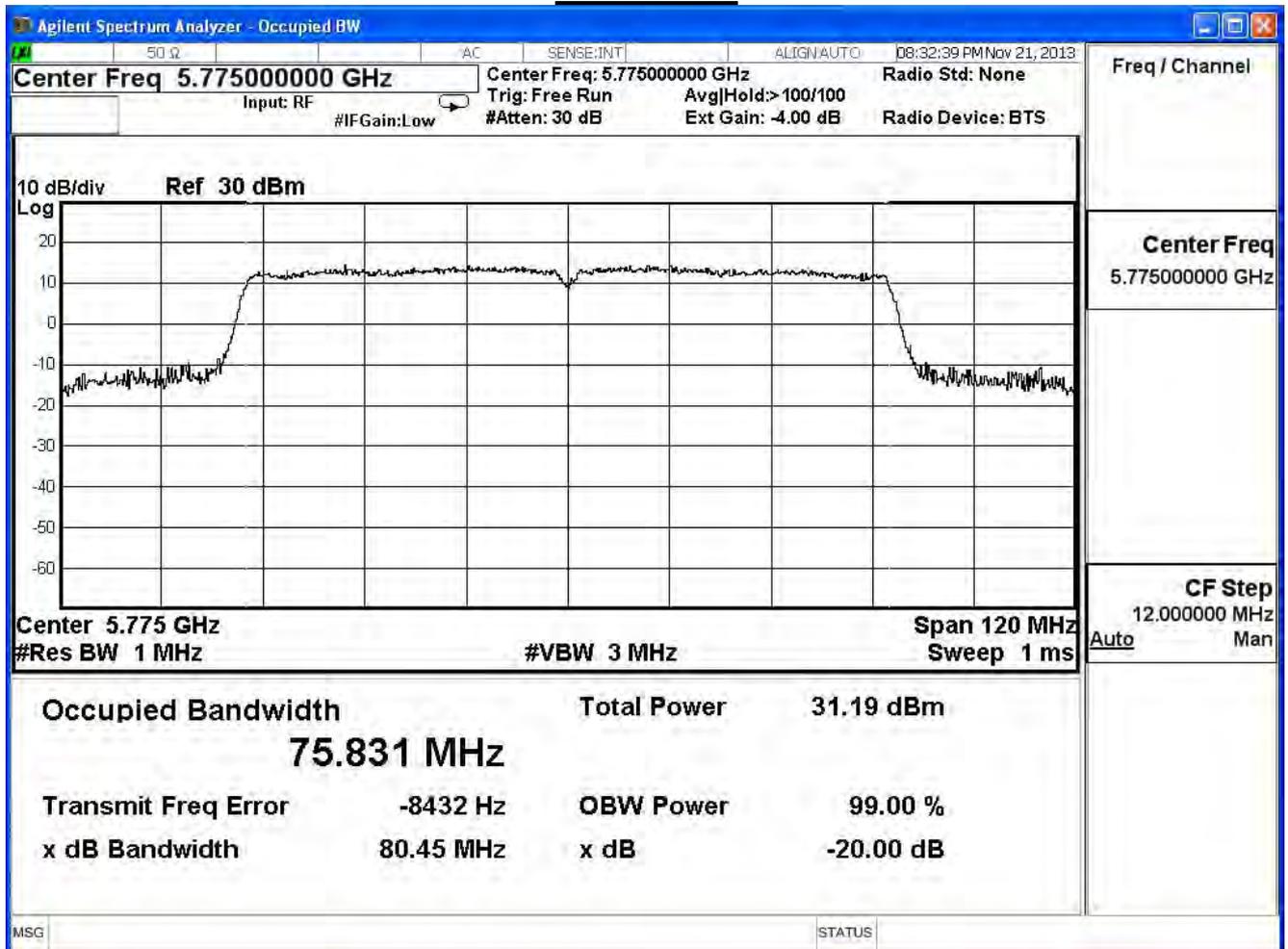
Channel 155



Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
155	5775	80.45	≥ 0.5	Pass

Channel 155

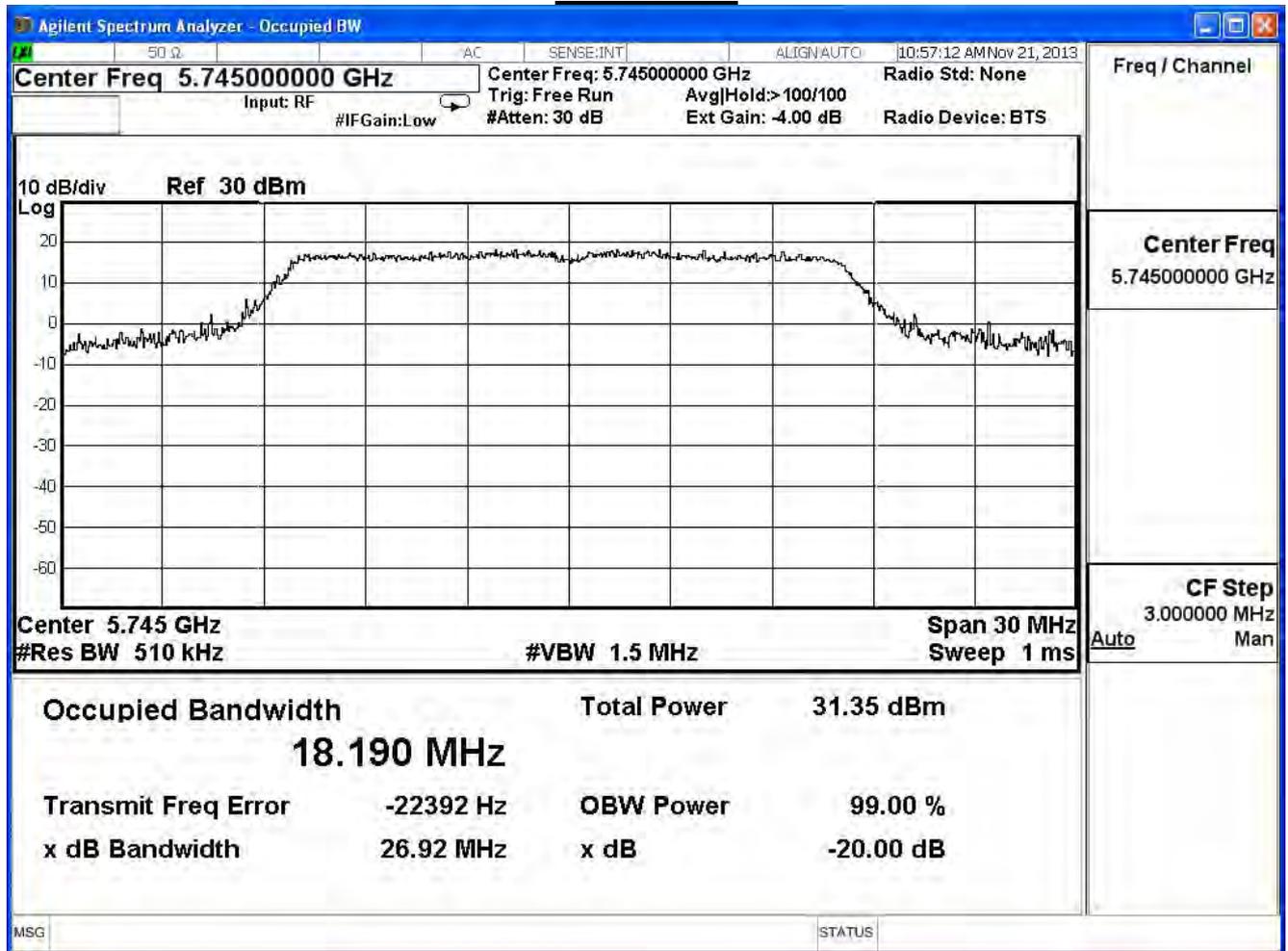


Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/11/21	Test Site	SR7

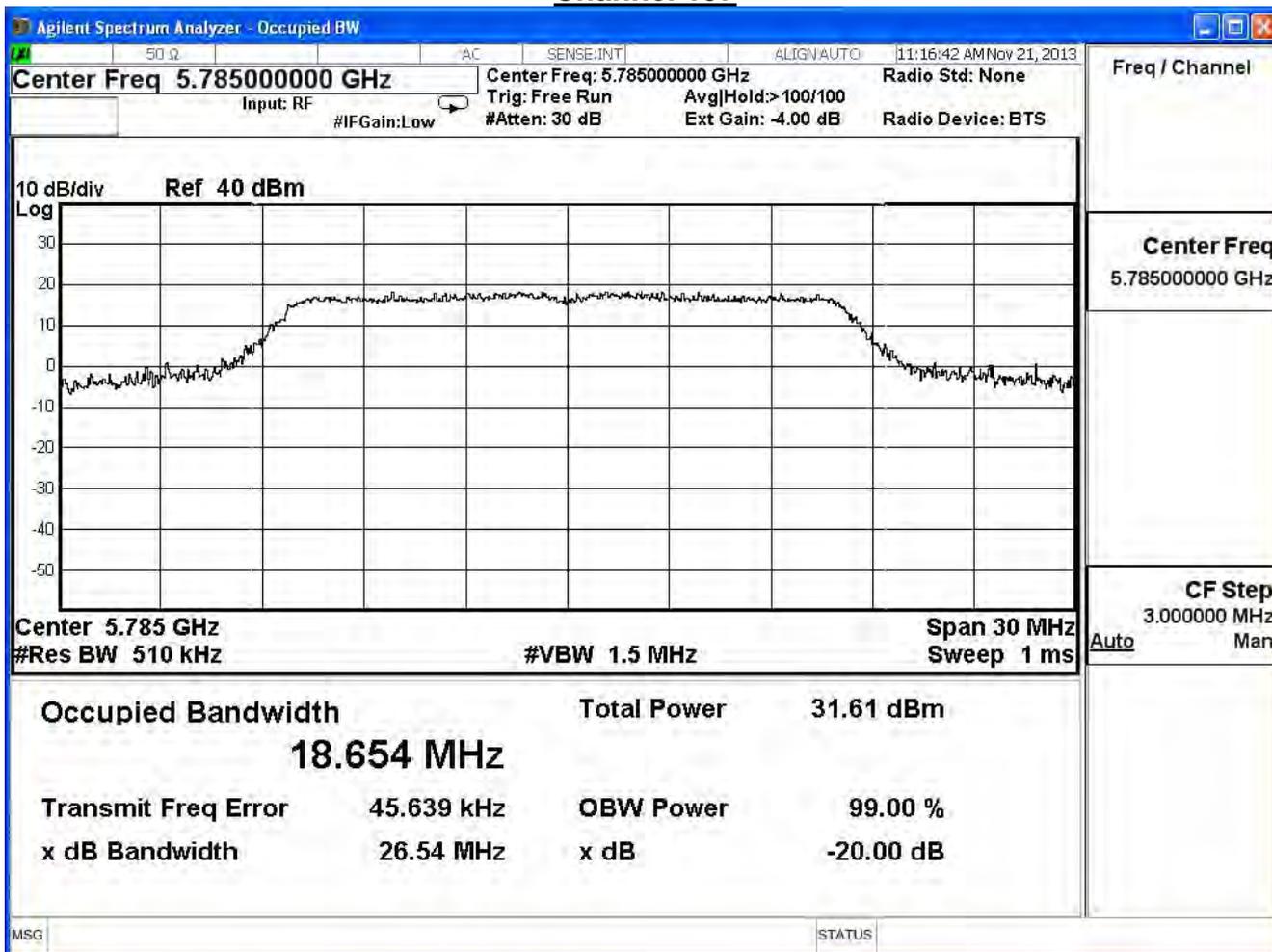
802.11 a

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	26.92	≥ 0.5	Pass
157	5785	26.54	≥ 0.5	Pass
165	5825	26.56	≥ 0.5	Pass

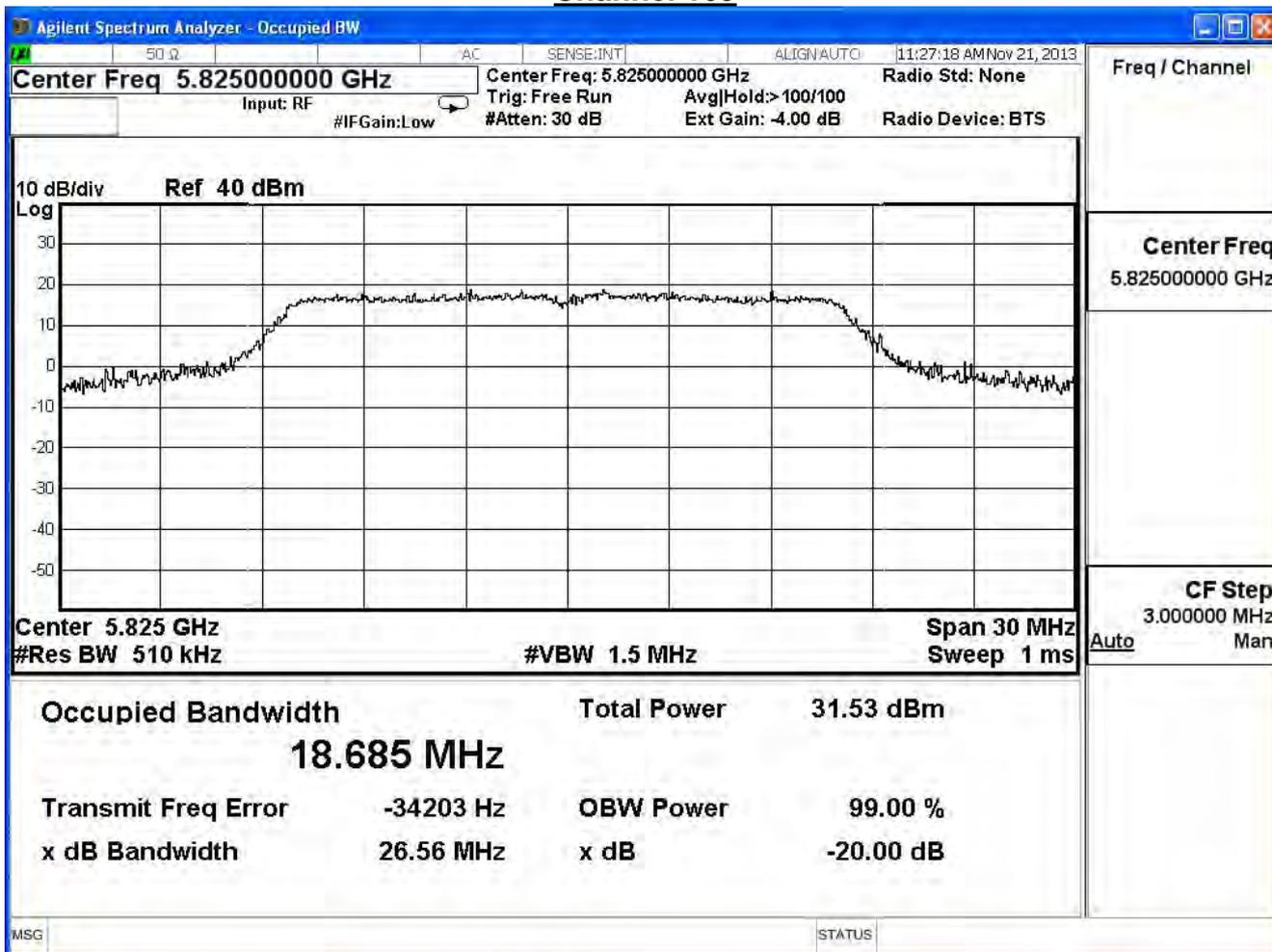
Channel 149



Channel 157



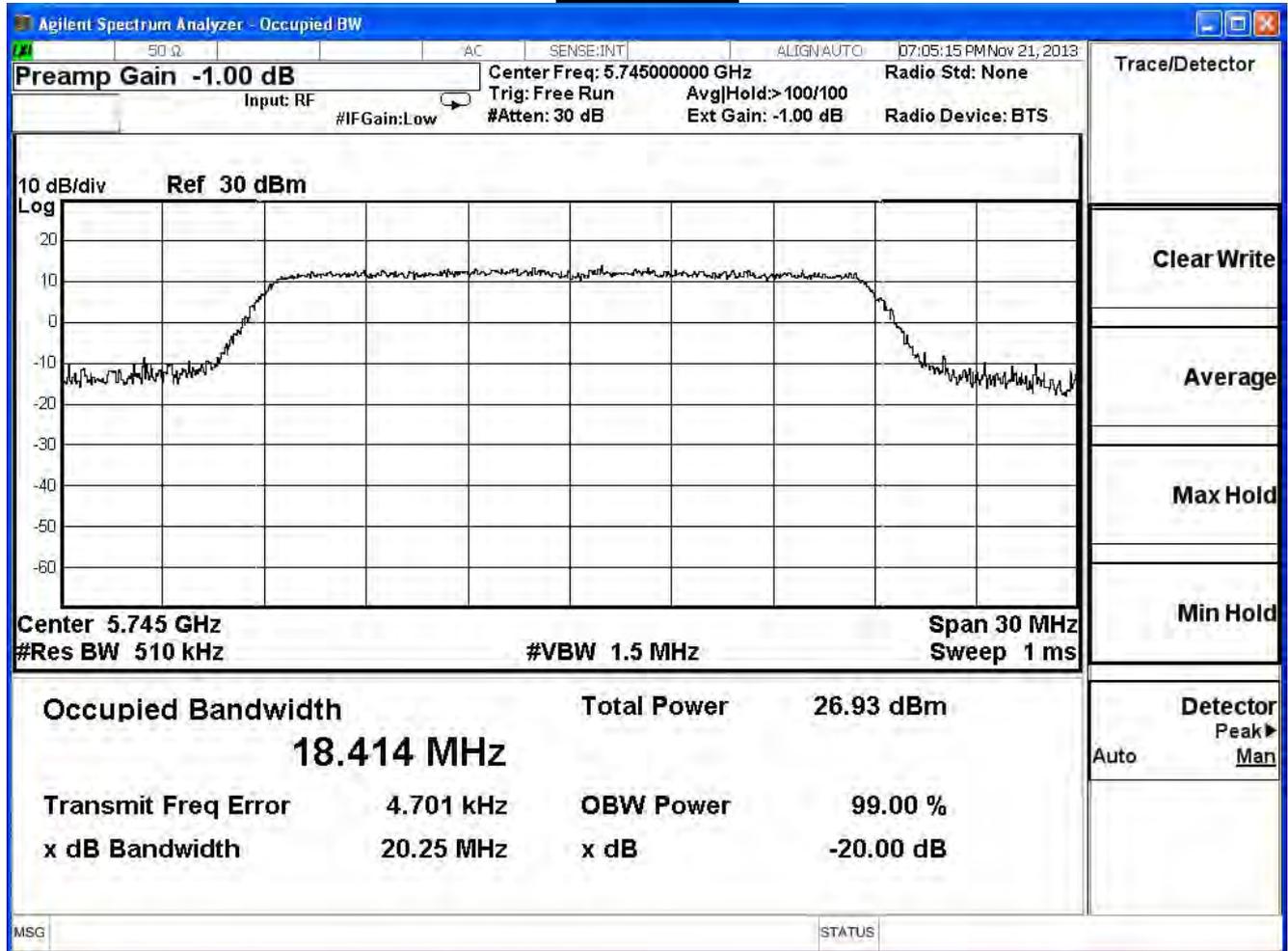
Channel 165



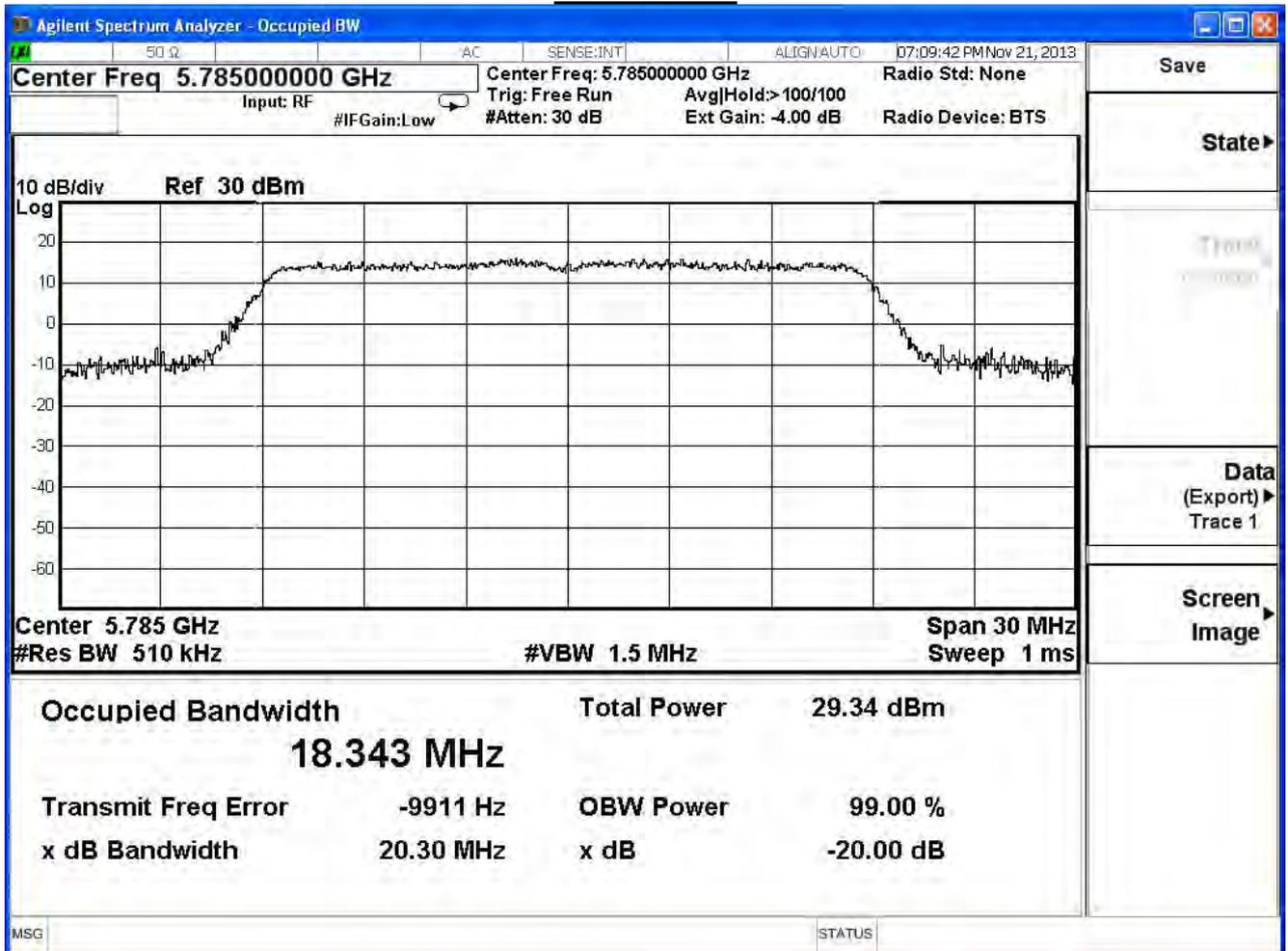
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	20.25	≥ 0.5	Pass
157	5785	20.30	≥ 0.5	Pass
165	5825	20.30	≥ 0.5	Pass

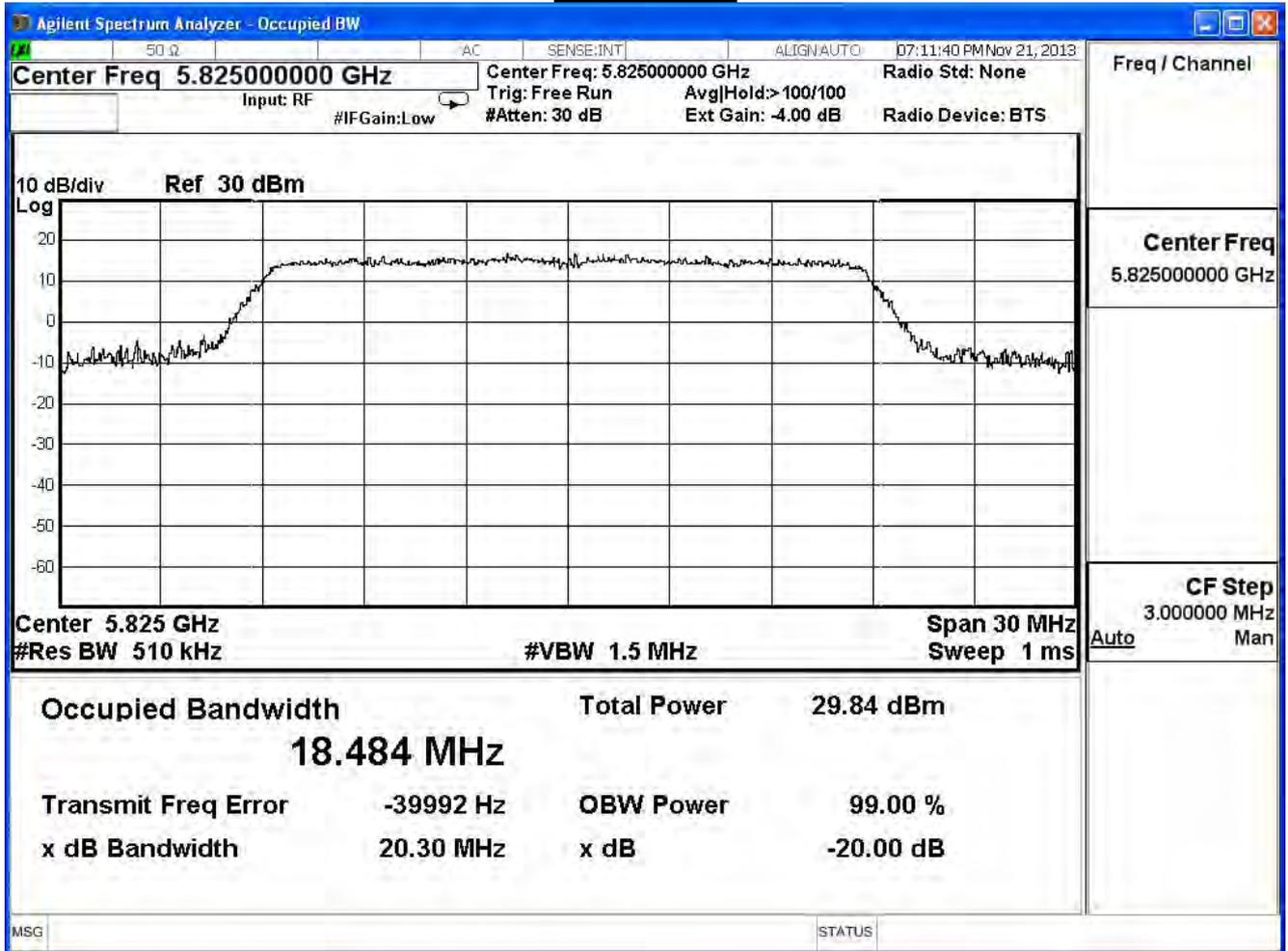
Channel 149



Channel 157



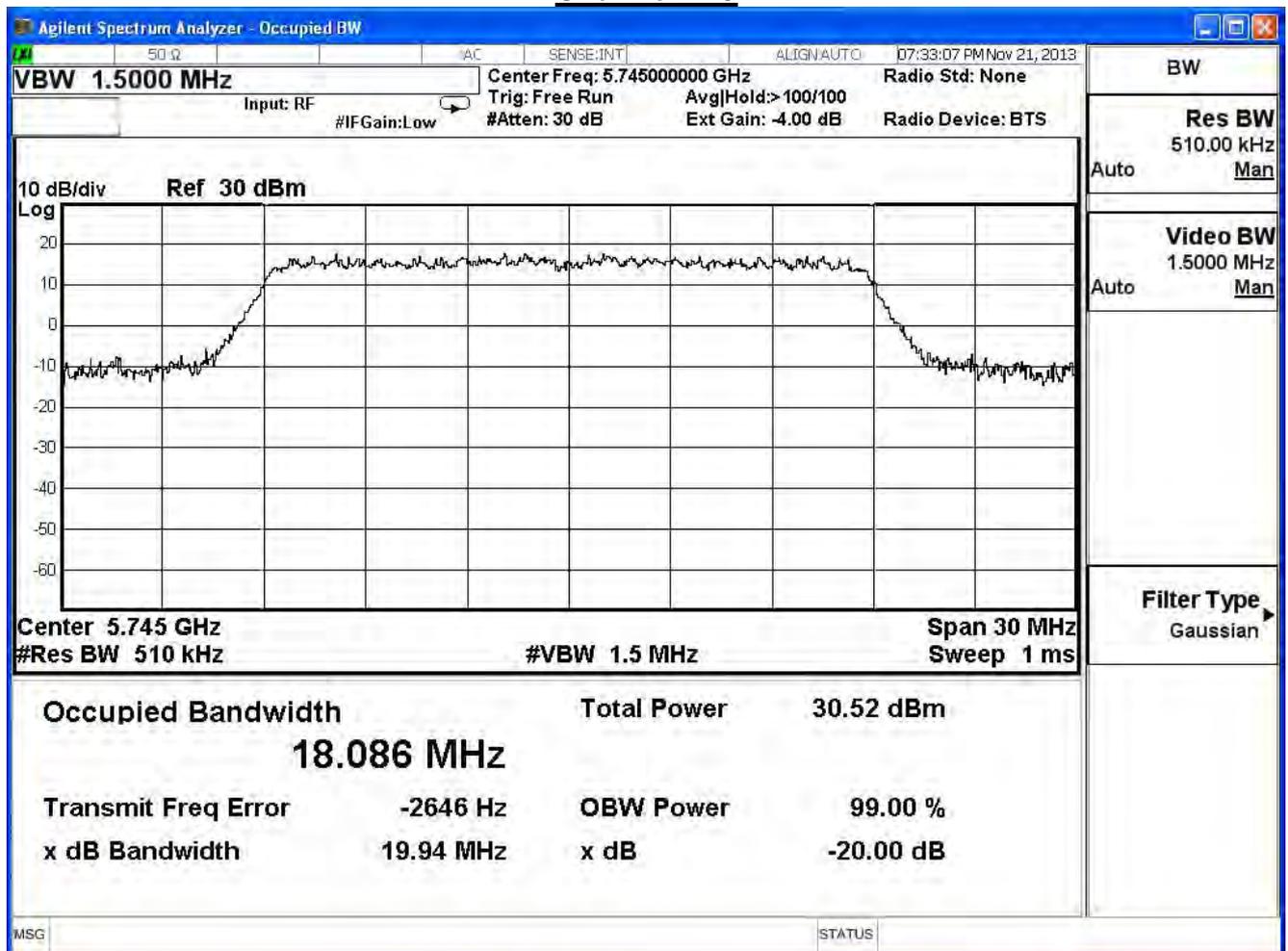
Channel 165



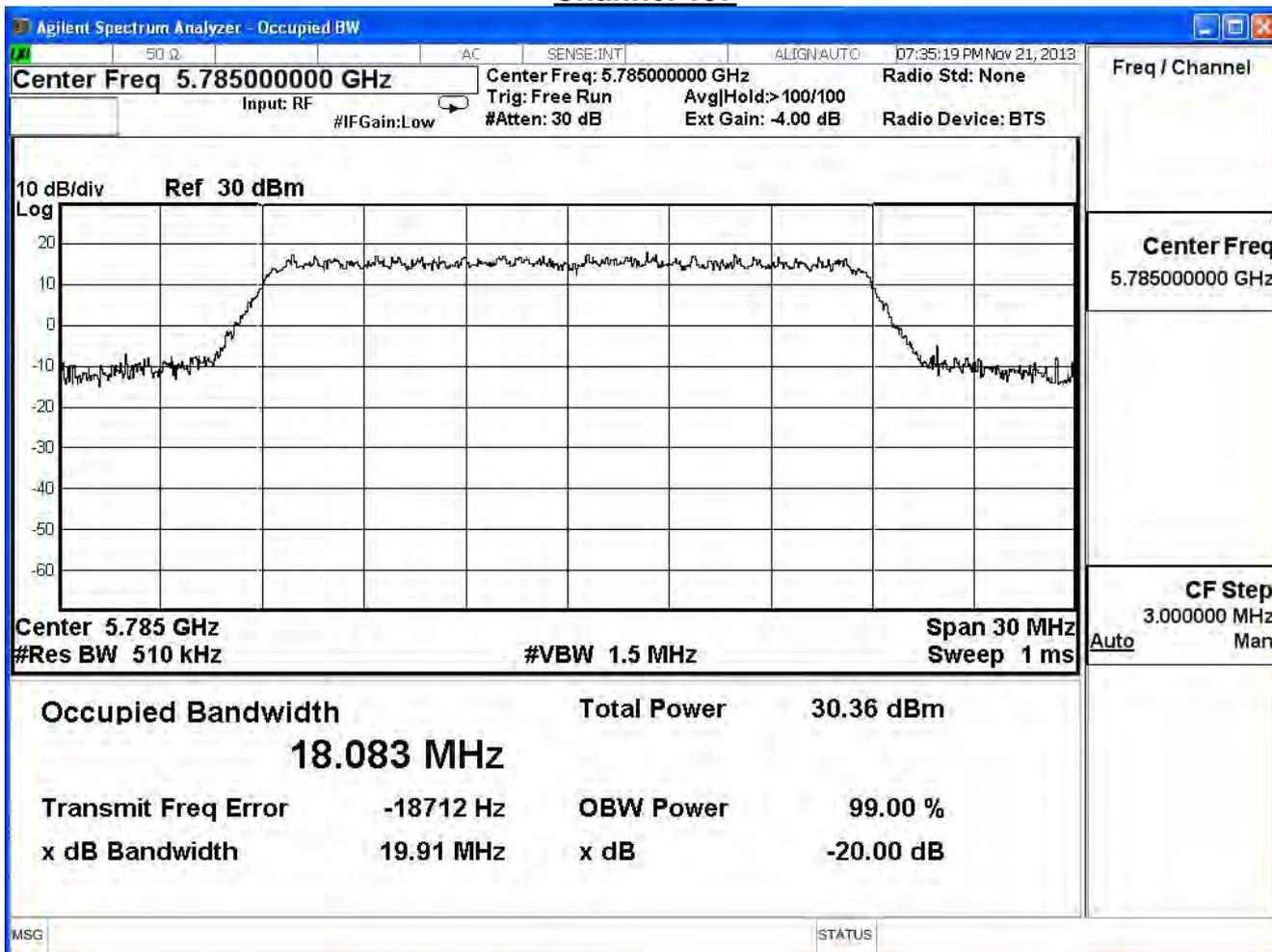
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	19.94	≥ 0.5	Pass
157	5785	19.91	≥ 0.5	Pass
165	5825	19.86	≥ 0.5	Pass

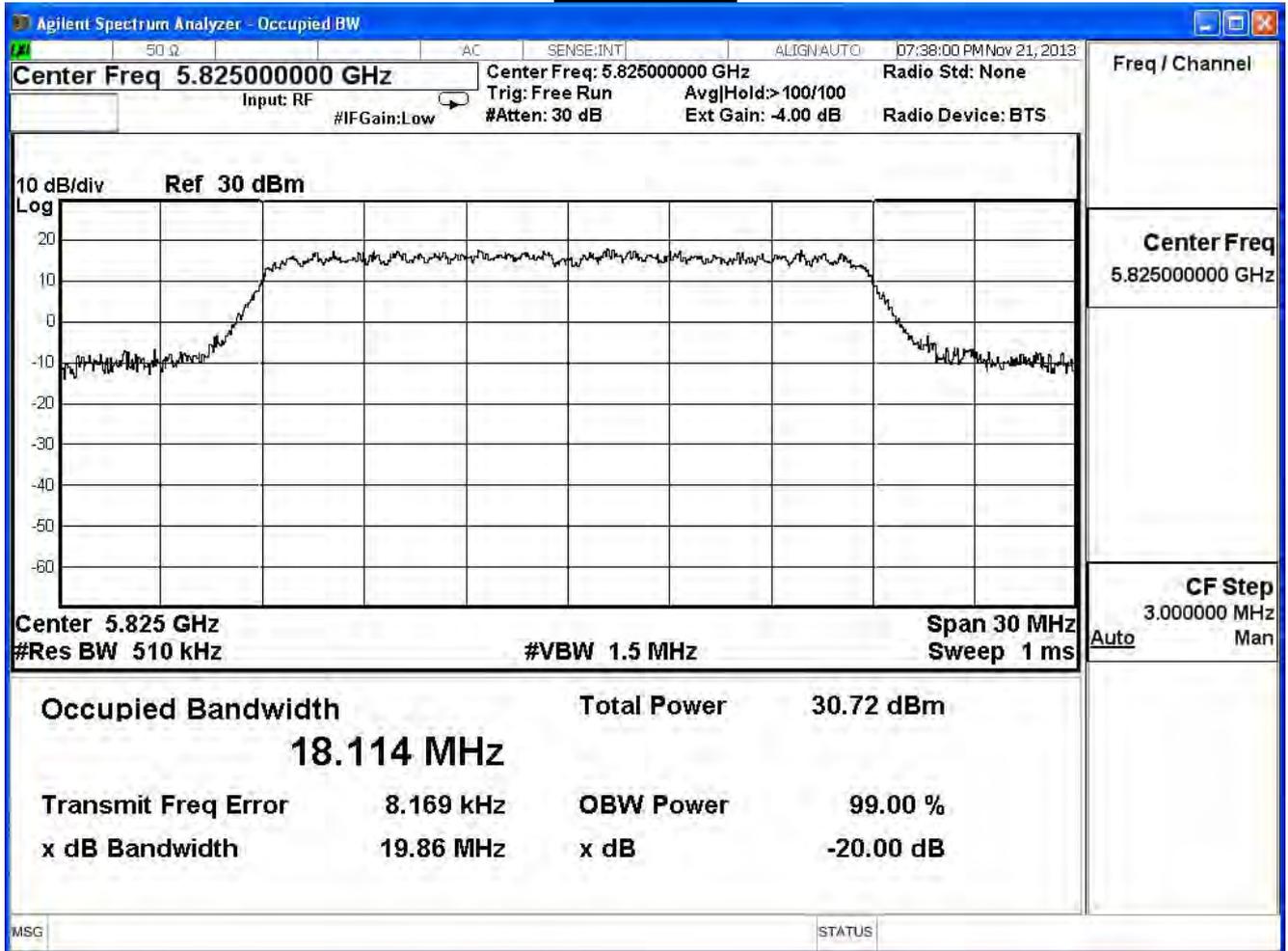
Channel 149



Channel 157



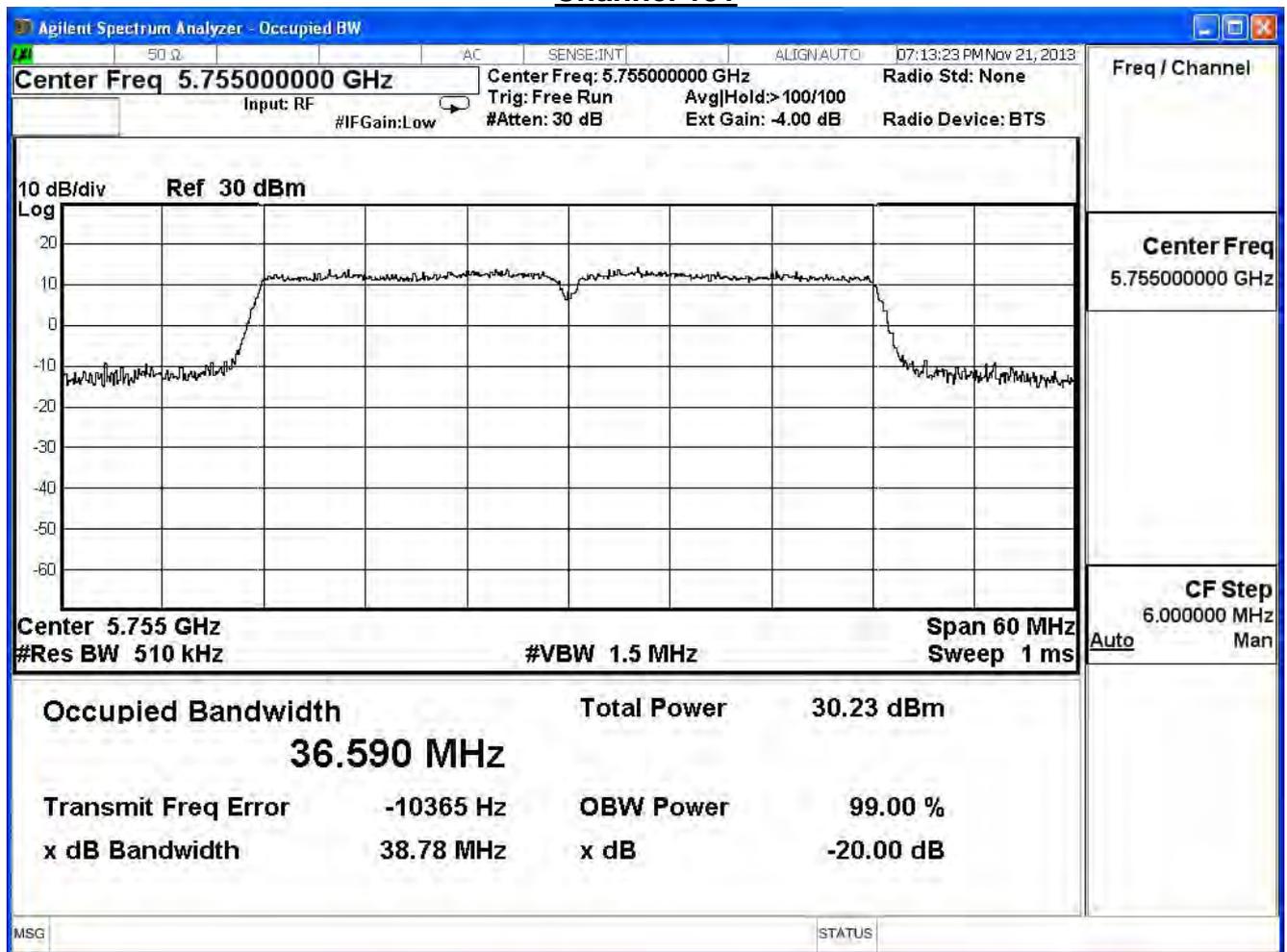
Channel 165



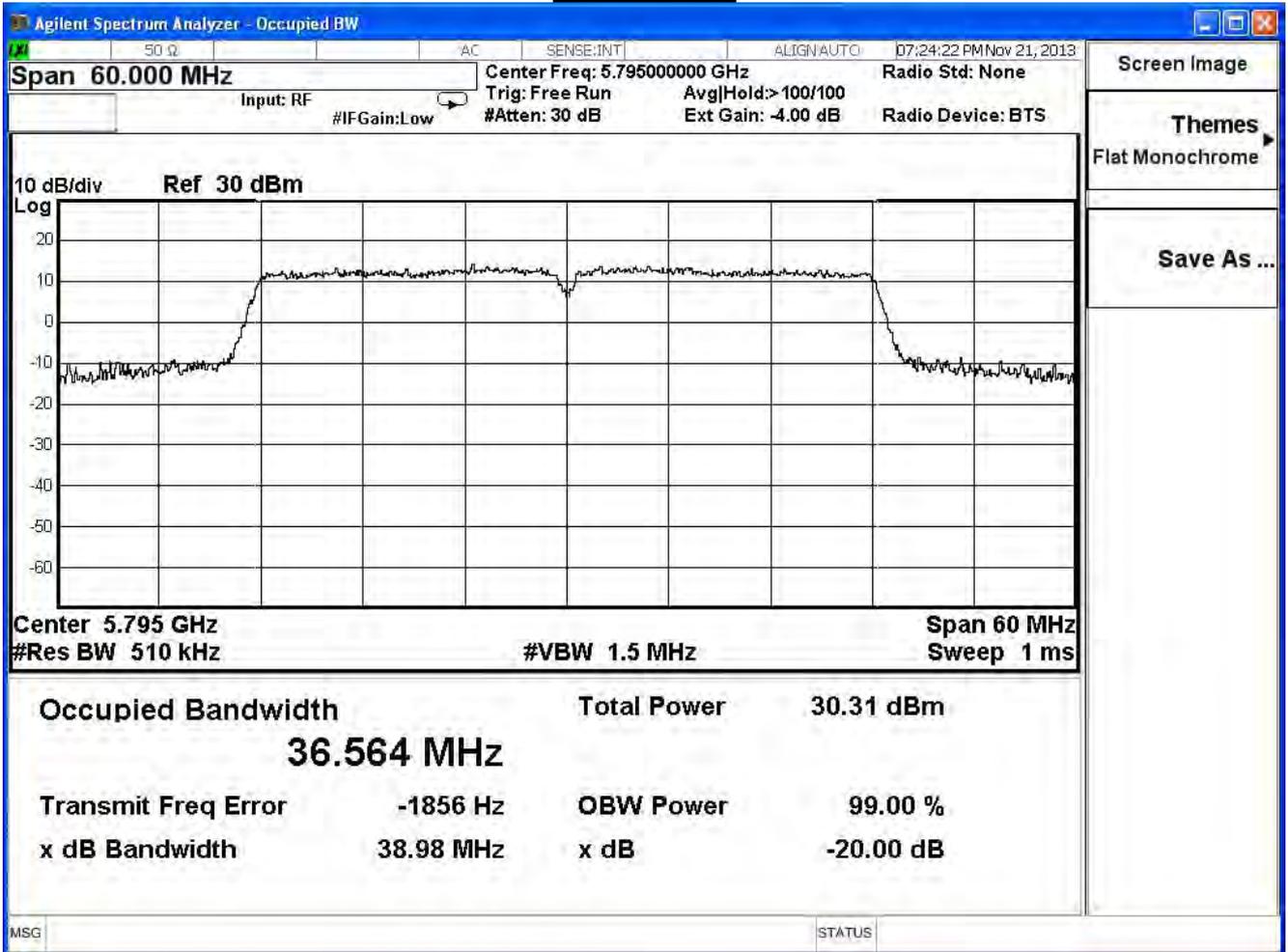
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	38.78	≥ 0.5	Pass
159	5795	38.98	≥ 0.5	Pass

Channel 151



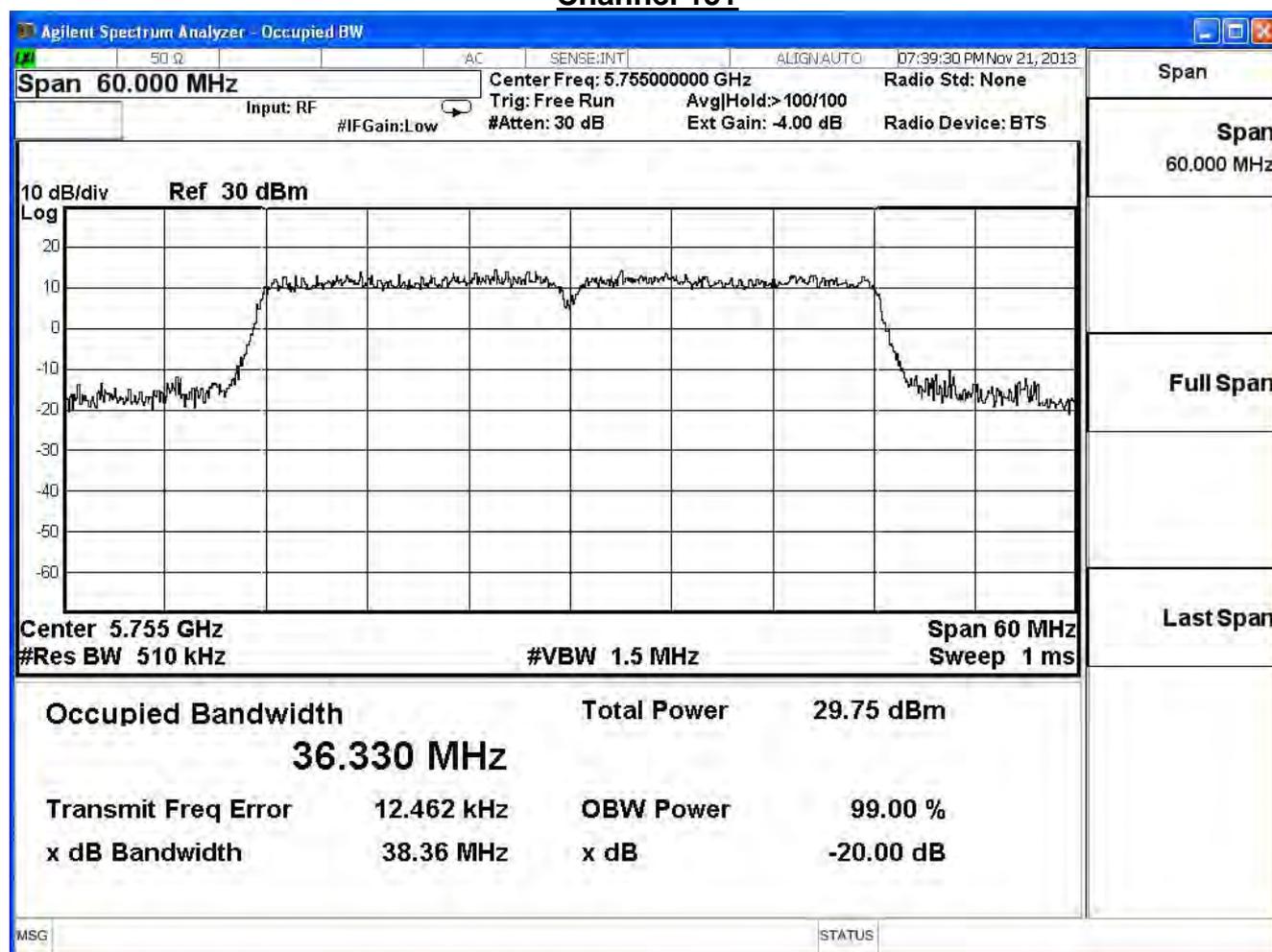
Channel 159



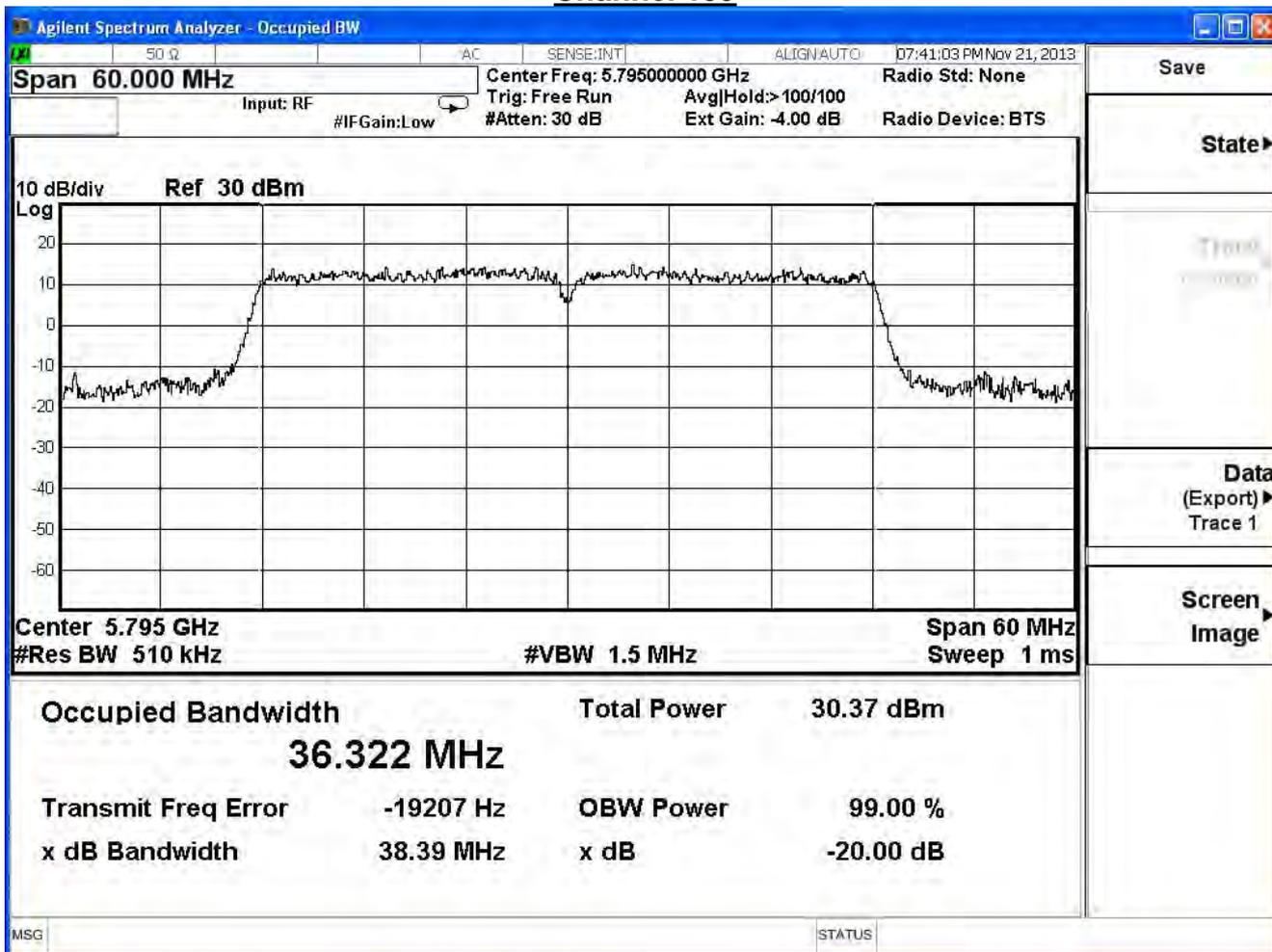
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	38.36	≥ 0.5	Pass
159	5795	38.39	≥ 0.5	Pass

Channel 151



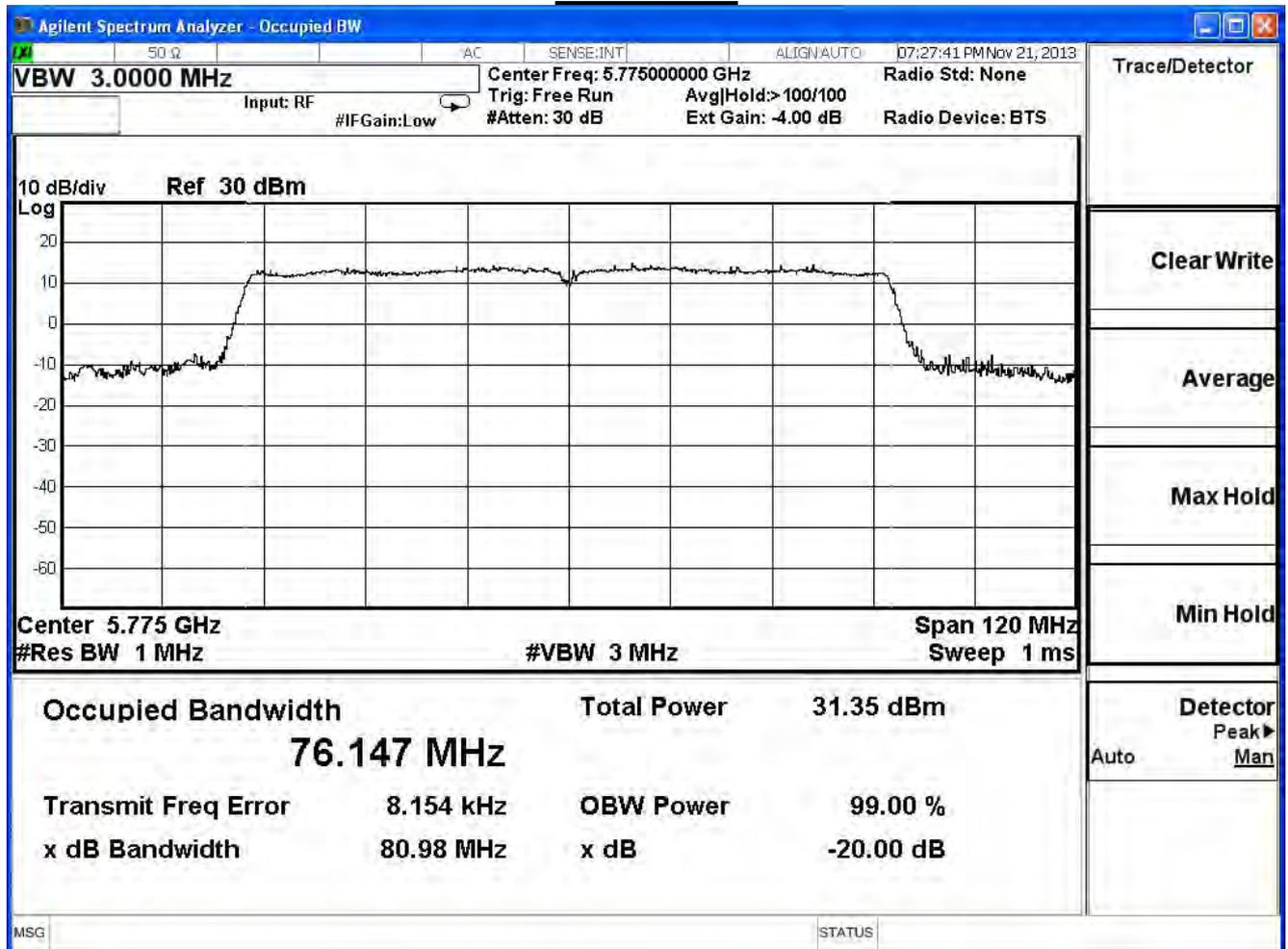
Channel 159



Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
155	5775	80.98	≥ 0.5	Pass

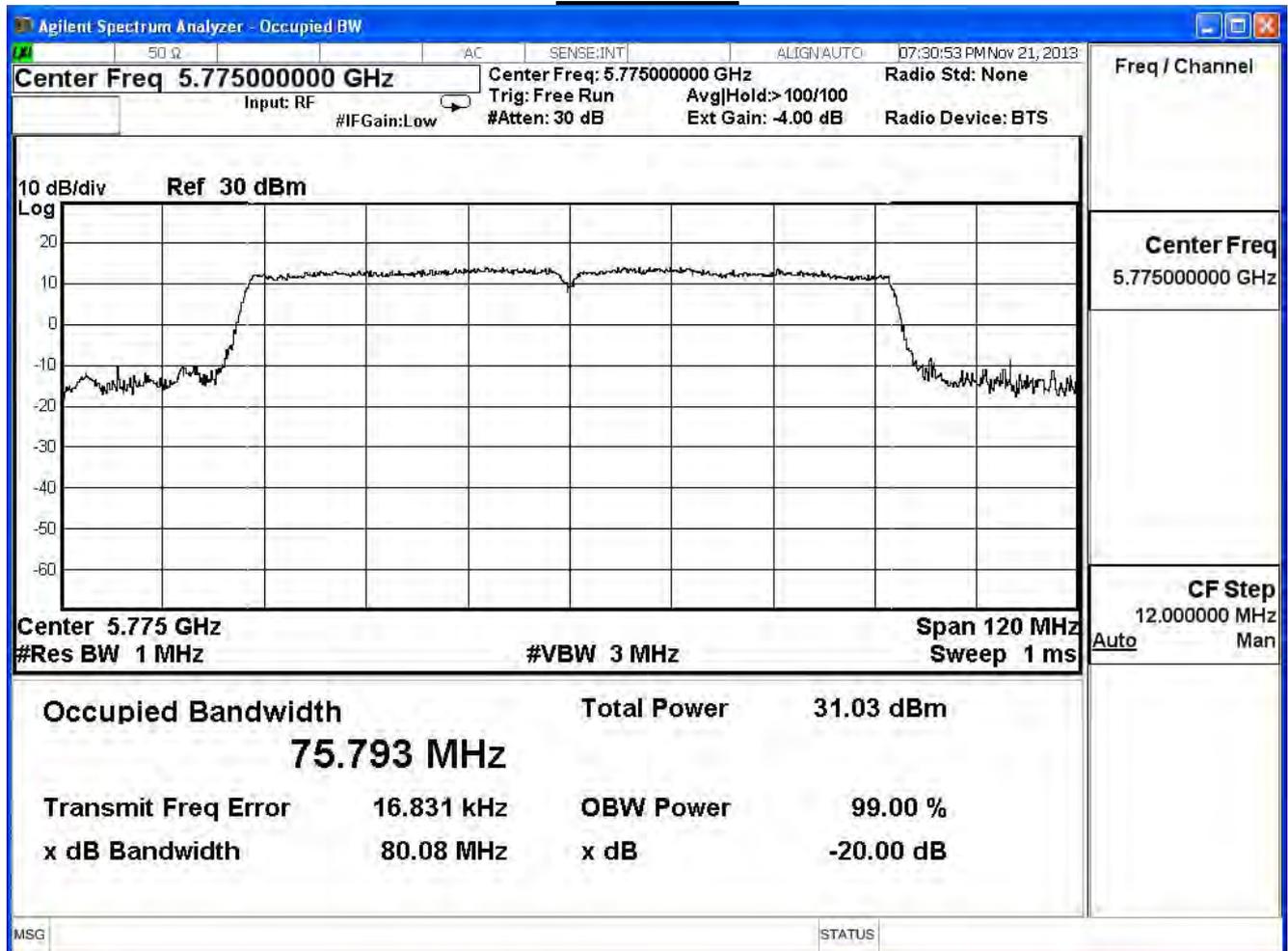
Channel 155



Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/11/21	Test Site	SR7

IEEE 802.11ac (80MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
155	5775	80.08	≥ 0.5	Pass

Channel 155



8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

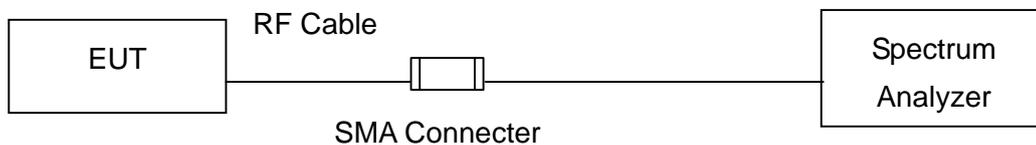
Power Density / SR7

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 C63.4: 2009; tested according to DTS test procedure section 10.2 of KDB558074 v03r01 for compliance to FCC 47CFR 15.247 requirements. Set 3KHz \leq RBW \leq 100 kHz, Set VBW \geq 3xRBW, Sweep time=Auto, Set Peak detector;

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

8.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

8.7. Test Result

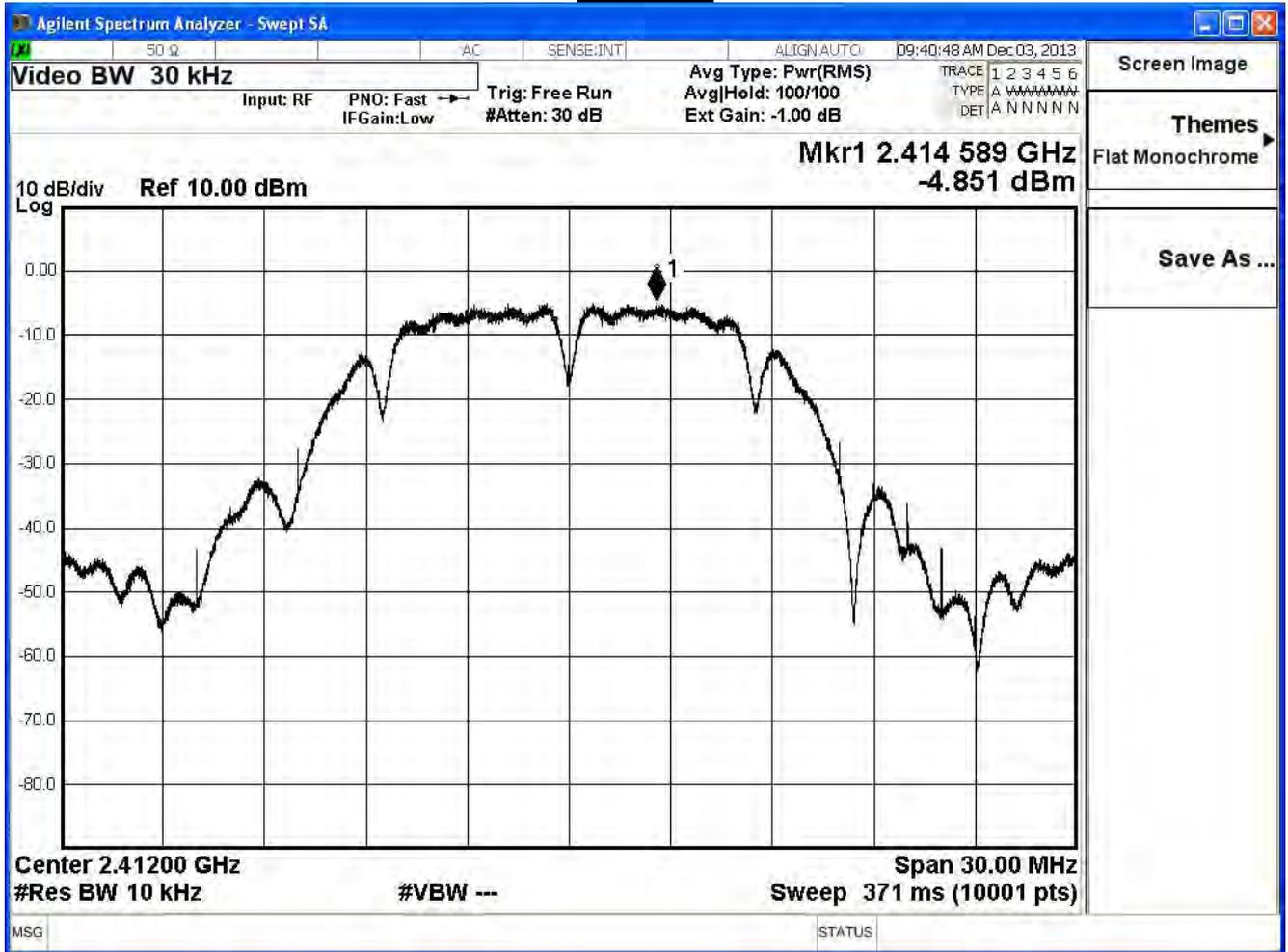
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/12/02	Test Site	SR7

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-4.85	≤ 6.99	Pass
6	2437	-3.87	≤ 6.99	Pass
11	2462	-5.00	≤ 6.99	Pass

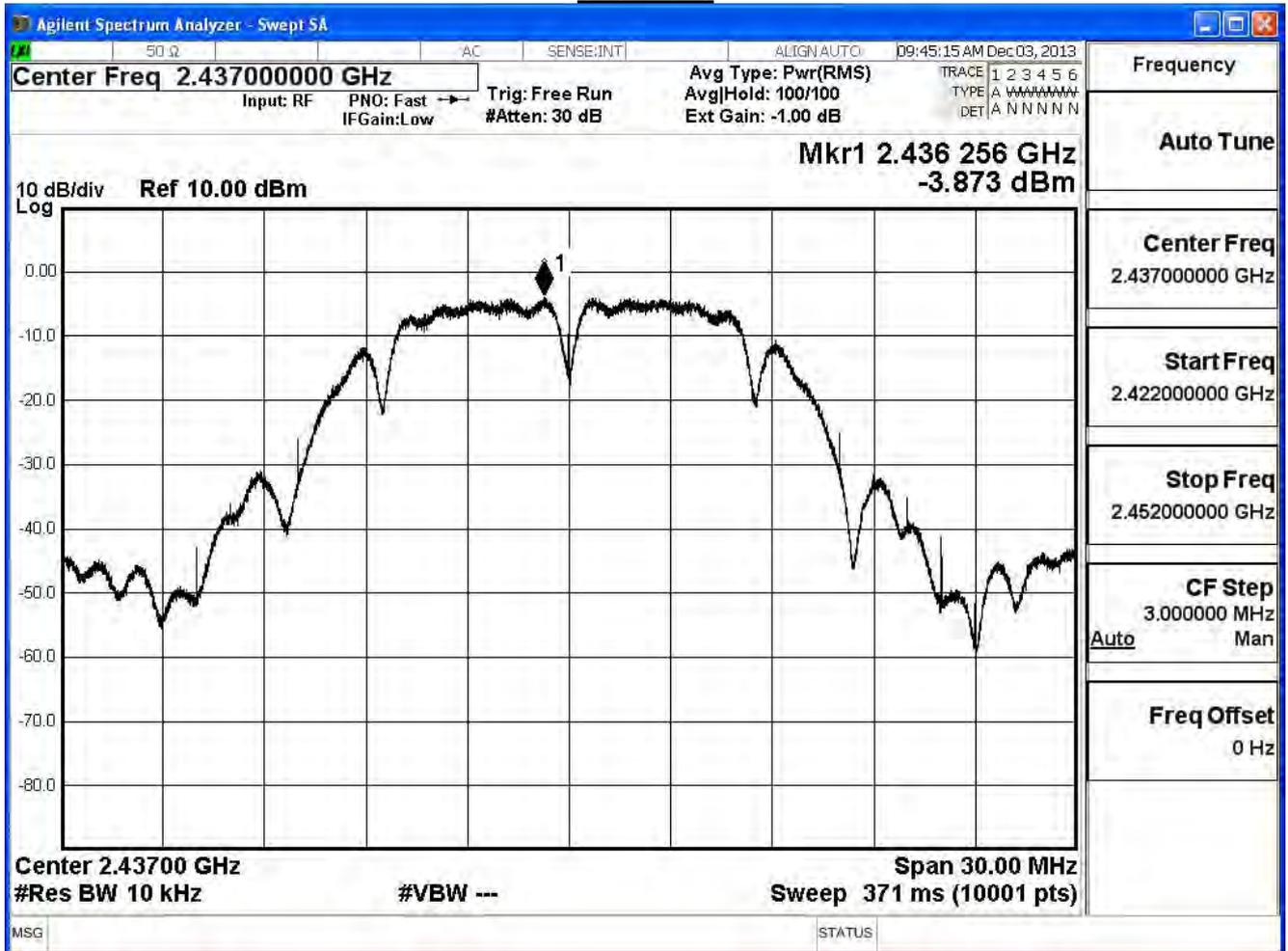
Note: Directional antenna : $10\log(N)+\text{Max Gain}=7.01\text{dBi}$

Limit : $8\text{dBm}-(7.01\text{dBi}-6\text{dB})=6.99\text{dBi}$

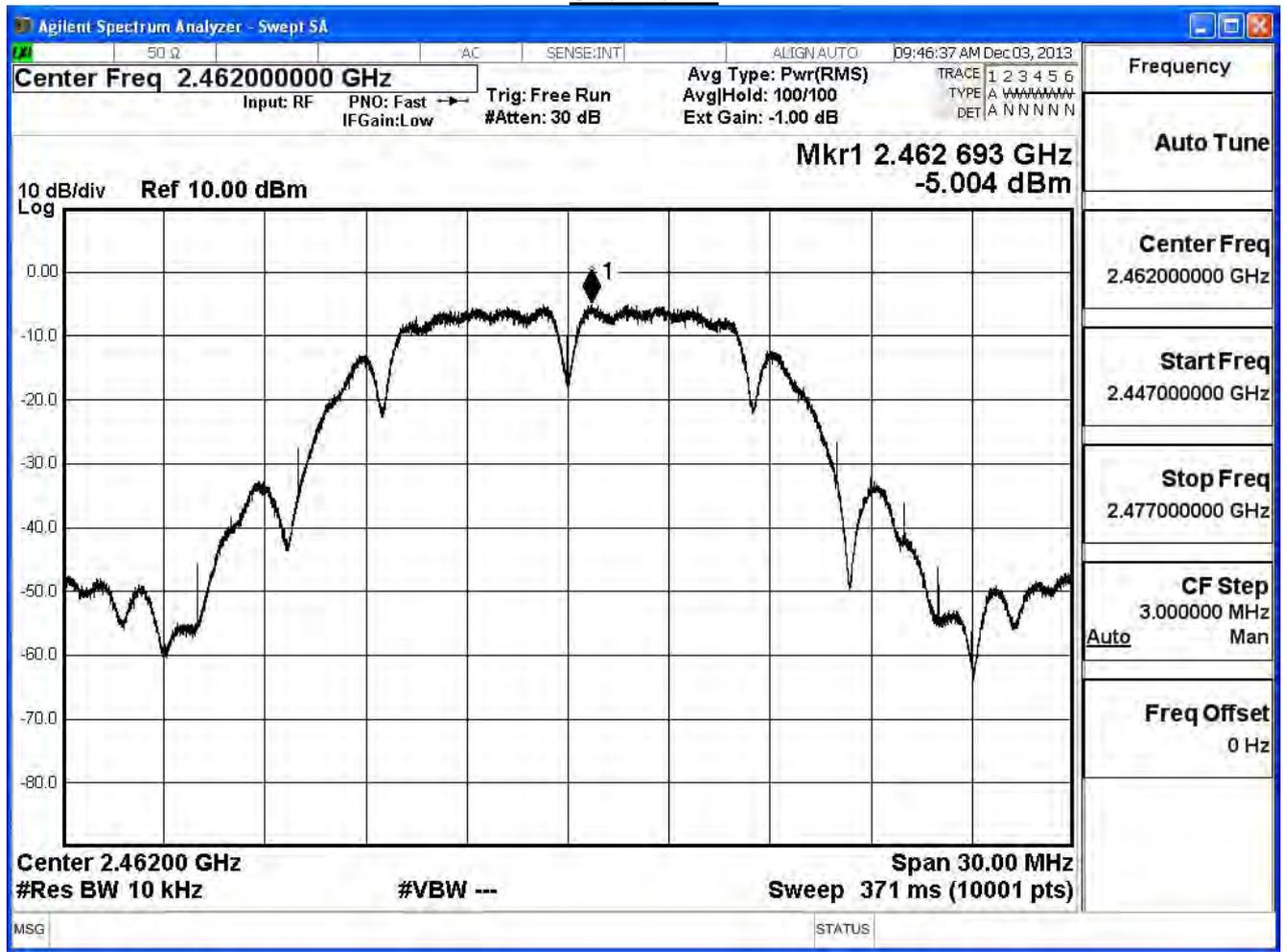
Channel 1



Channel 6



Channel 11

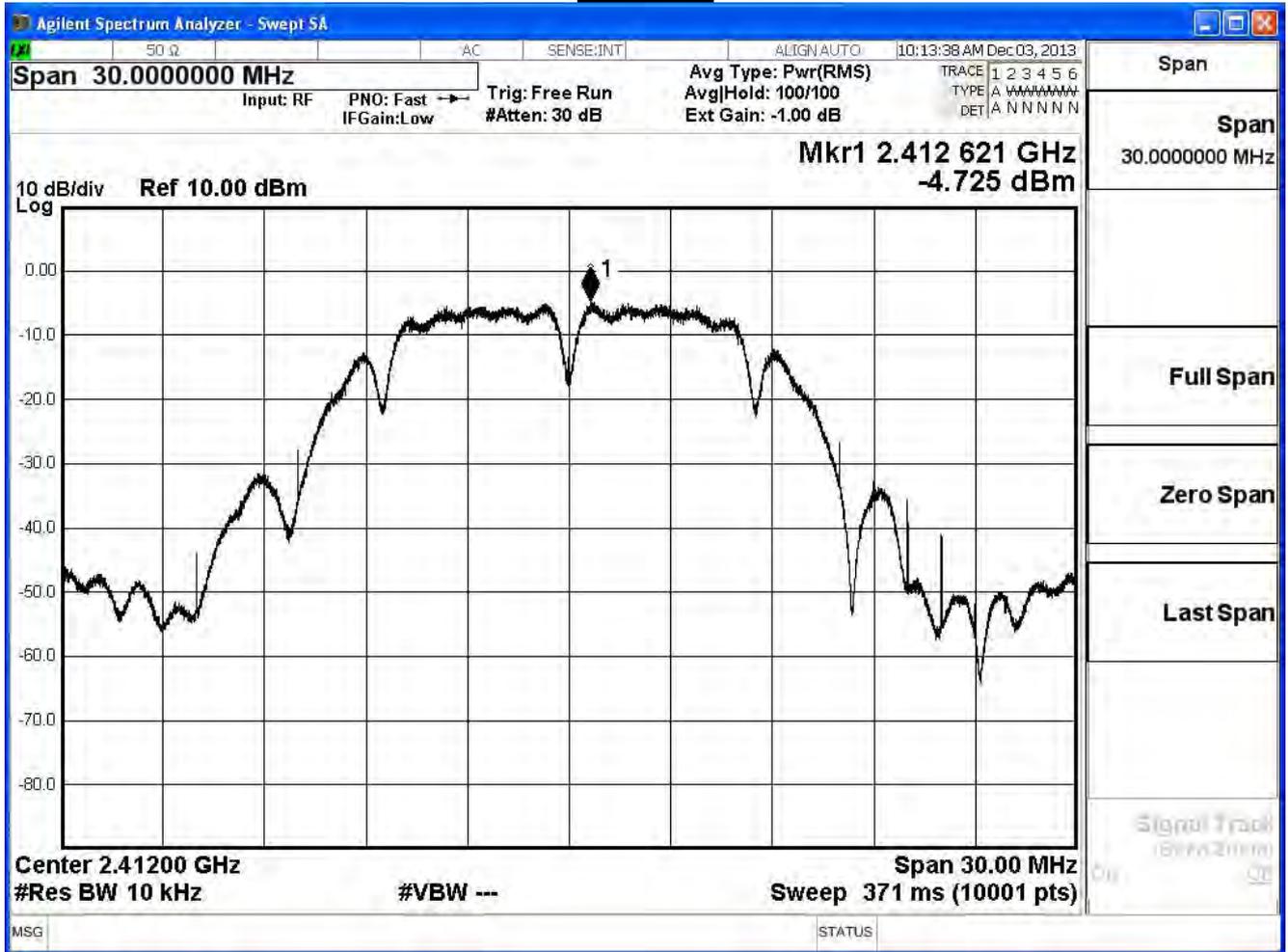


Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/12/02	Test Site	SR7

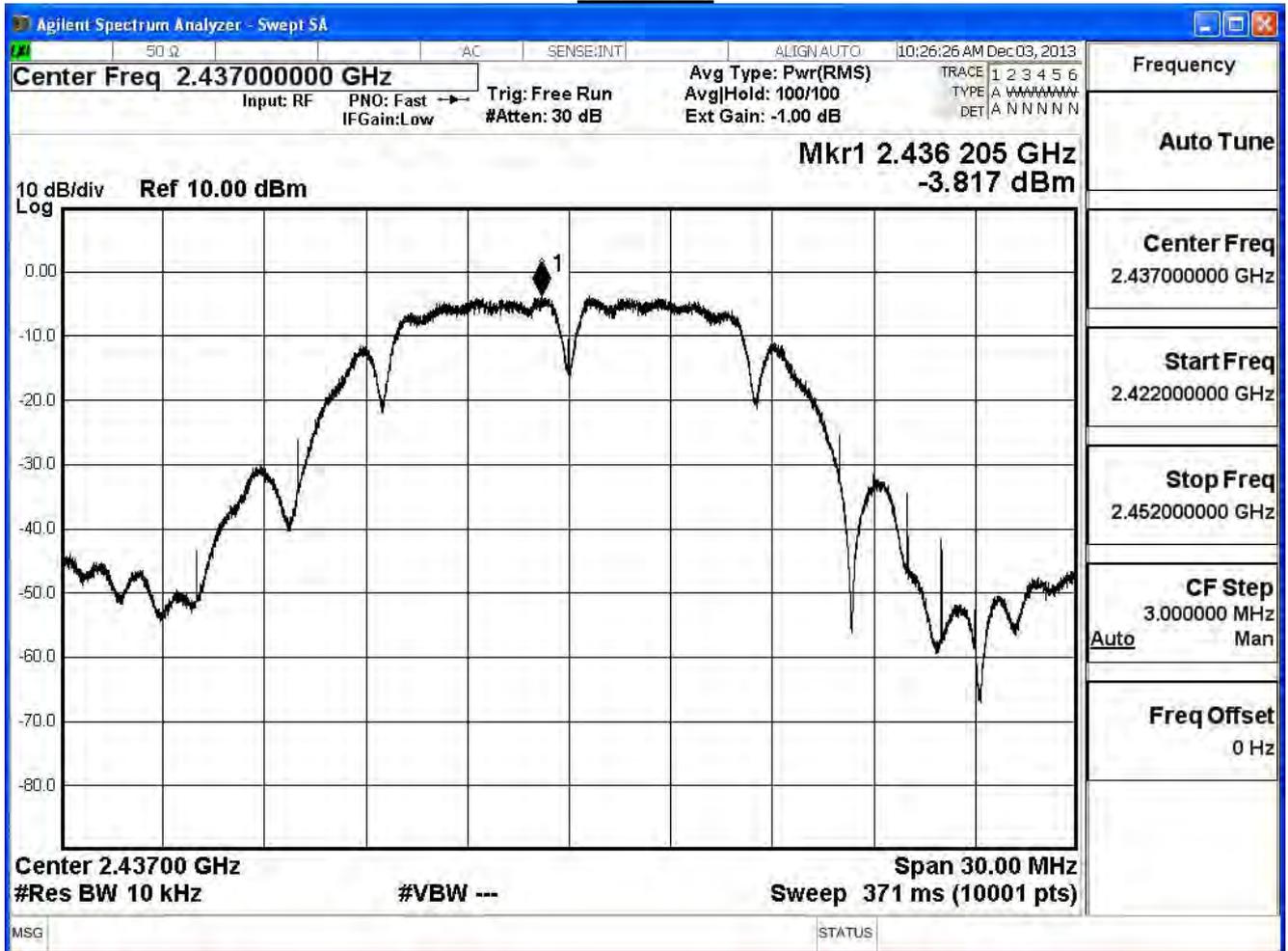
IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-4.71	≤ 6.99	Pass
6	2437	-3.80	≤ 6.99	Pass
11	2462	-4.91	≤ 6.99	Pass

Note: Directional antenna : $10\log(N)+\text{Max Gain}=7.01\text{dBi}$
 Limit : $8\text{dBm}-(7.01\text{dBi}-6\text{dB})=6.99\text{dBi}$

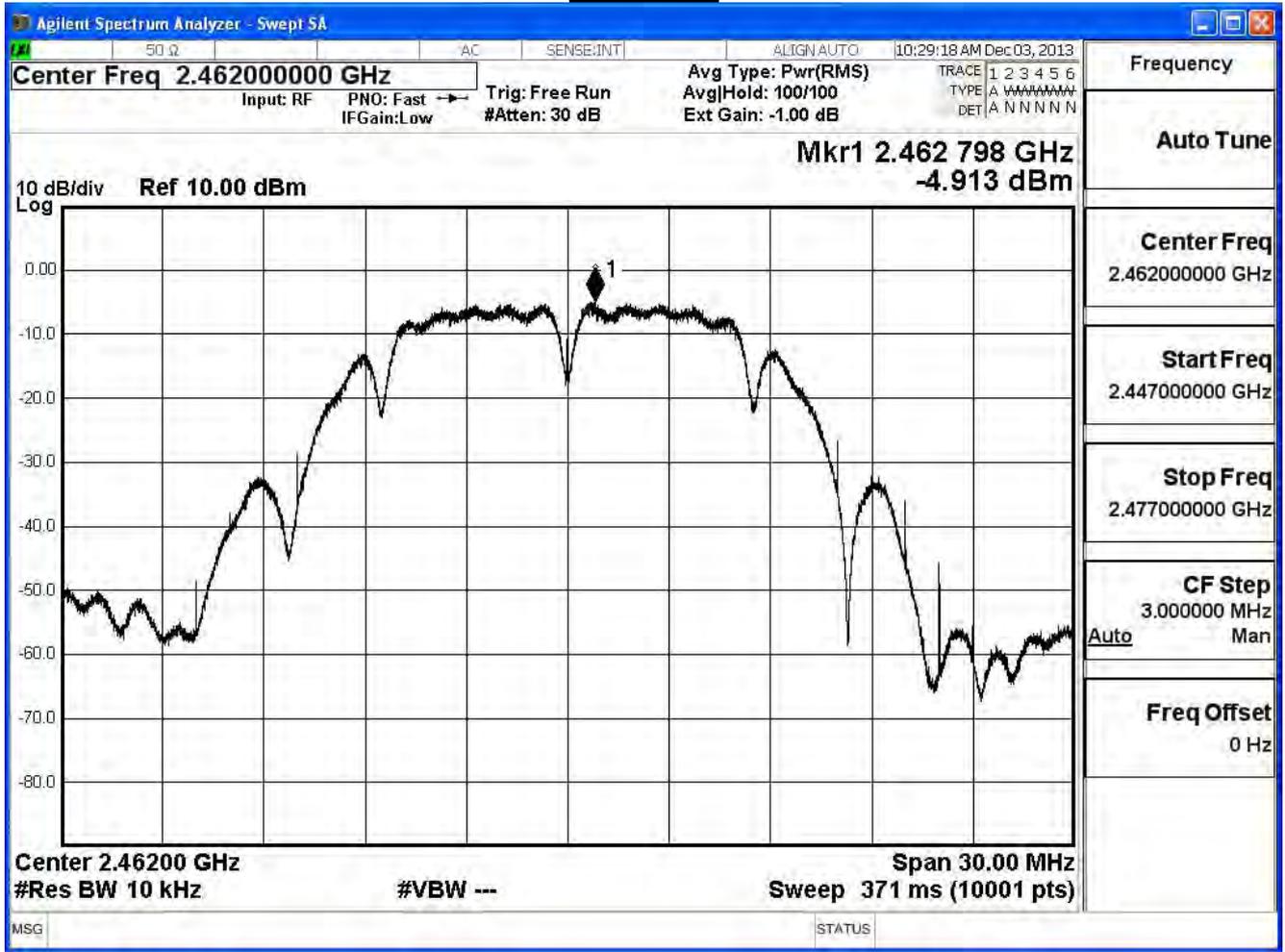
Channel 1



Channel 6



Channel 11



Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/12/02	Test Site	SR7

IEEE 802.11b (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-1.77	≤ 6.99	Pass
6	2437	-0.82	≤ 6.99	Pass
11	2462	-1.94	≤ 6.99	Pass

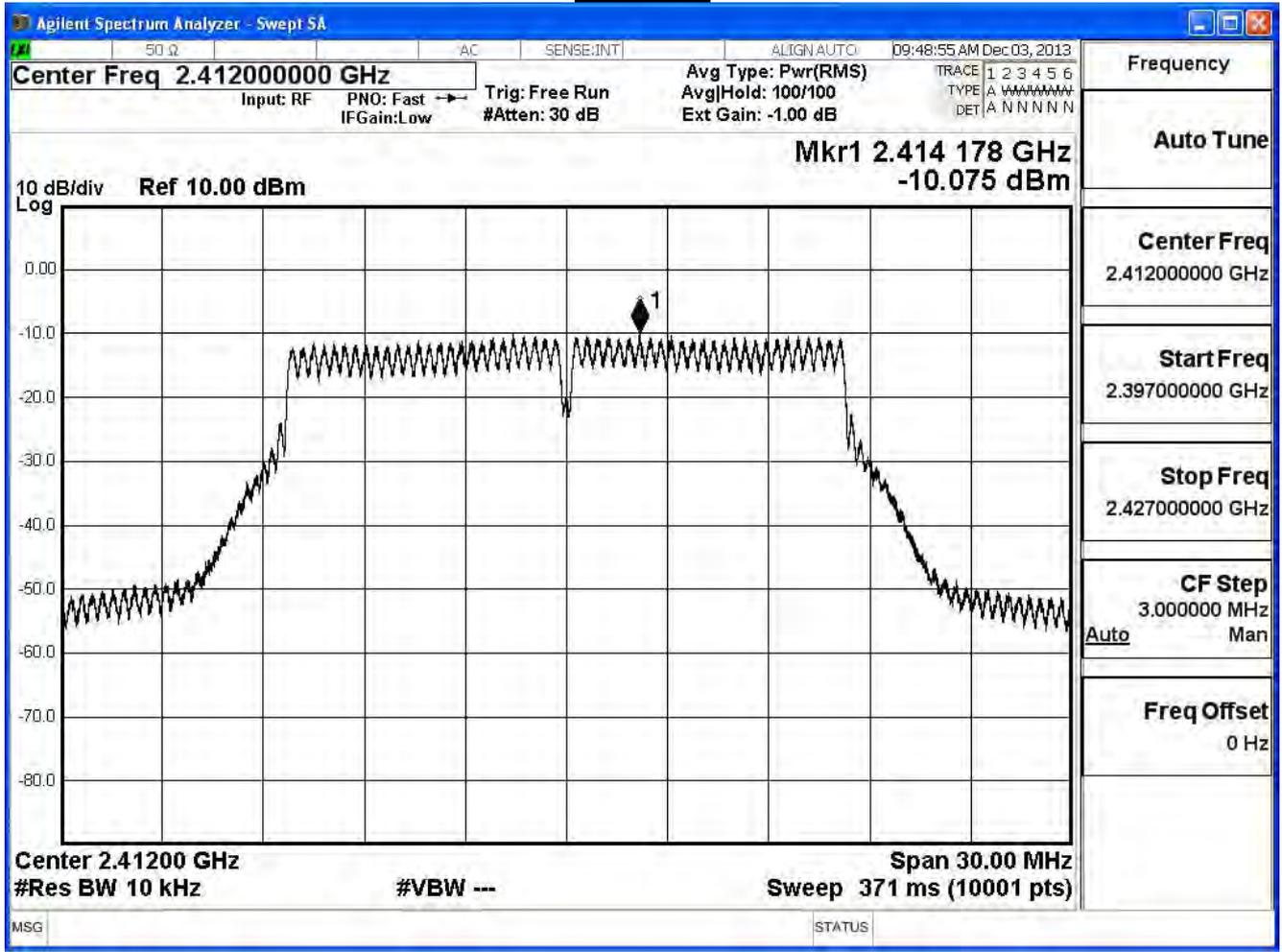
Note: Directional antenna : $10\log(N)+\text{Max Gain}=7.01\text{dBi}$
 Limit : $8\text{dBm}-(7.01\text{dBi}-6\text{dB})=6.99\text{dBi}$

Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/12/02	Test Site	SR7

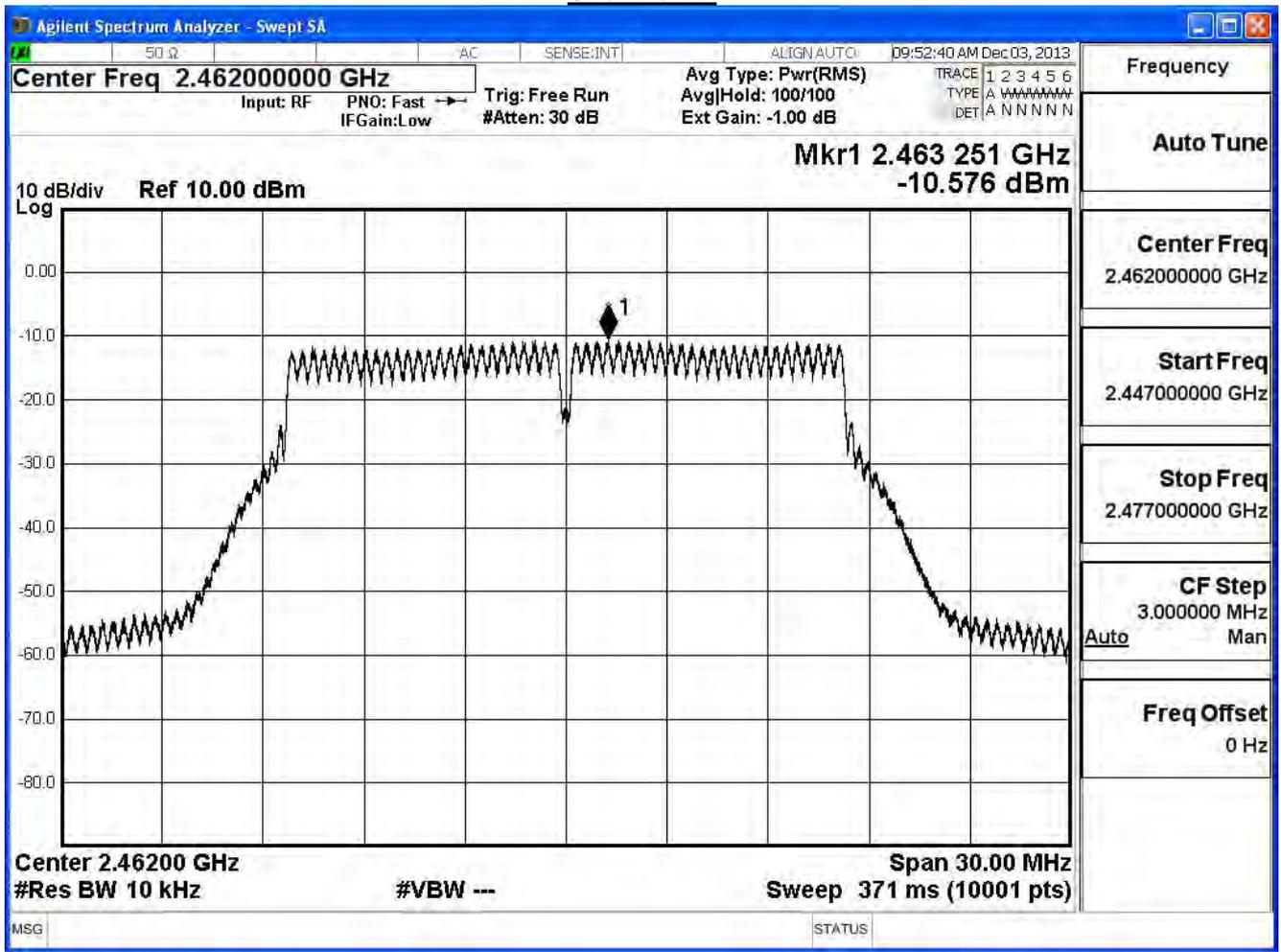
IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-10.06	≤ 6.99	Pass
6	2437	-5.15	≤ 6.99	Pass
11	2462	-10.56	≤ 6.99	Pass

Note: Directional antenna : $10\log(N)+\text{Max Gain}=7.01\text{dBi}$
 Limit : $8\text{dBm}-(7.01\text{dBi}-6\text{dB})=6.99\text{dBi}$

Channel 1



Channel 11



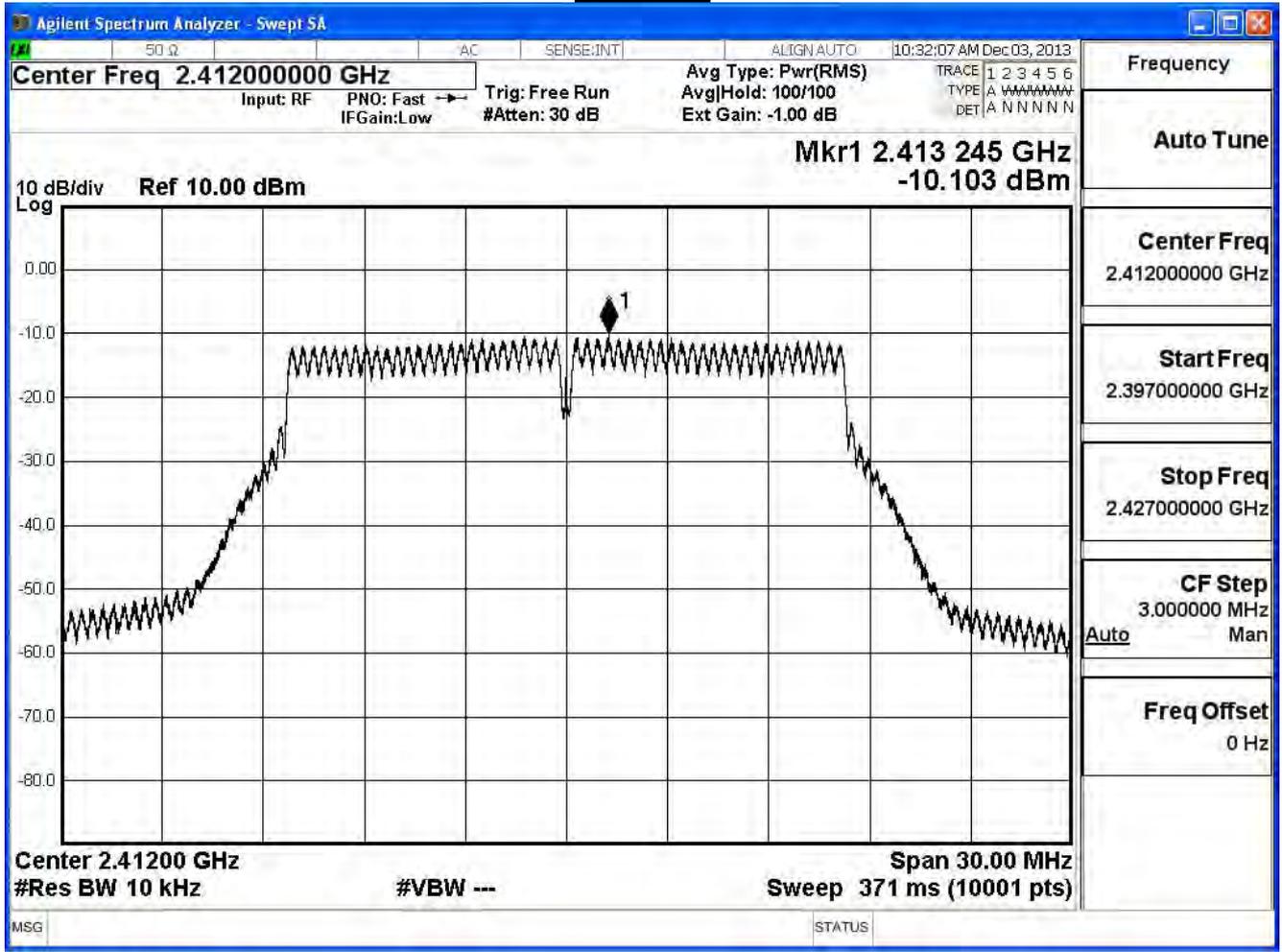
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/12/02	Test Site	SR7

IEEE 802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-10.10	≤ 6.99	Pass
6	2437	-5.65	≤ 6.99	Pass
11	2462	-9.79	≤ 6.99	Pass

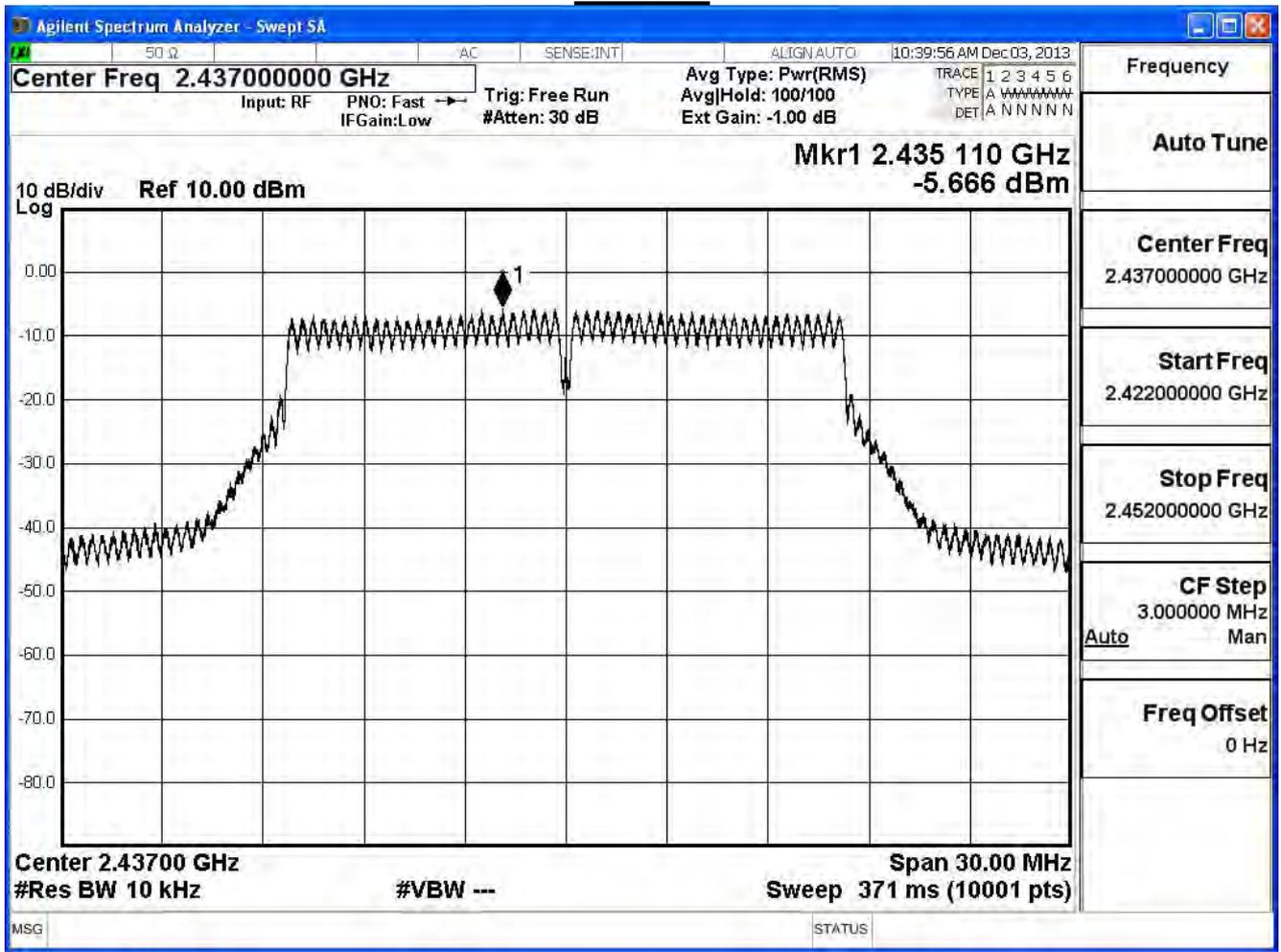
Note: Directional antenna : $10\log(N)+\text{Max Gain}=7.01\text{dBi}$

Limit : $8\text{dBm}-(7.01\text{dBi}-6\text{dB})=6.99\text{dBi}$

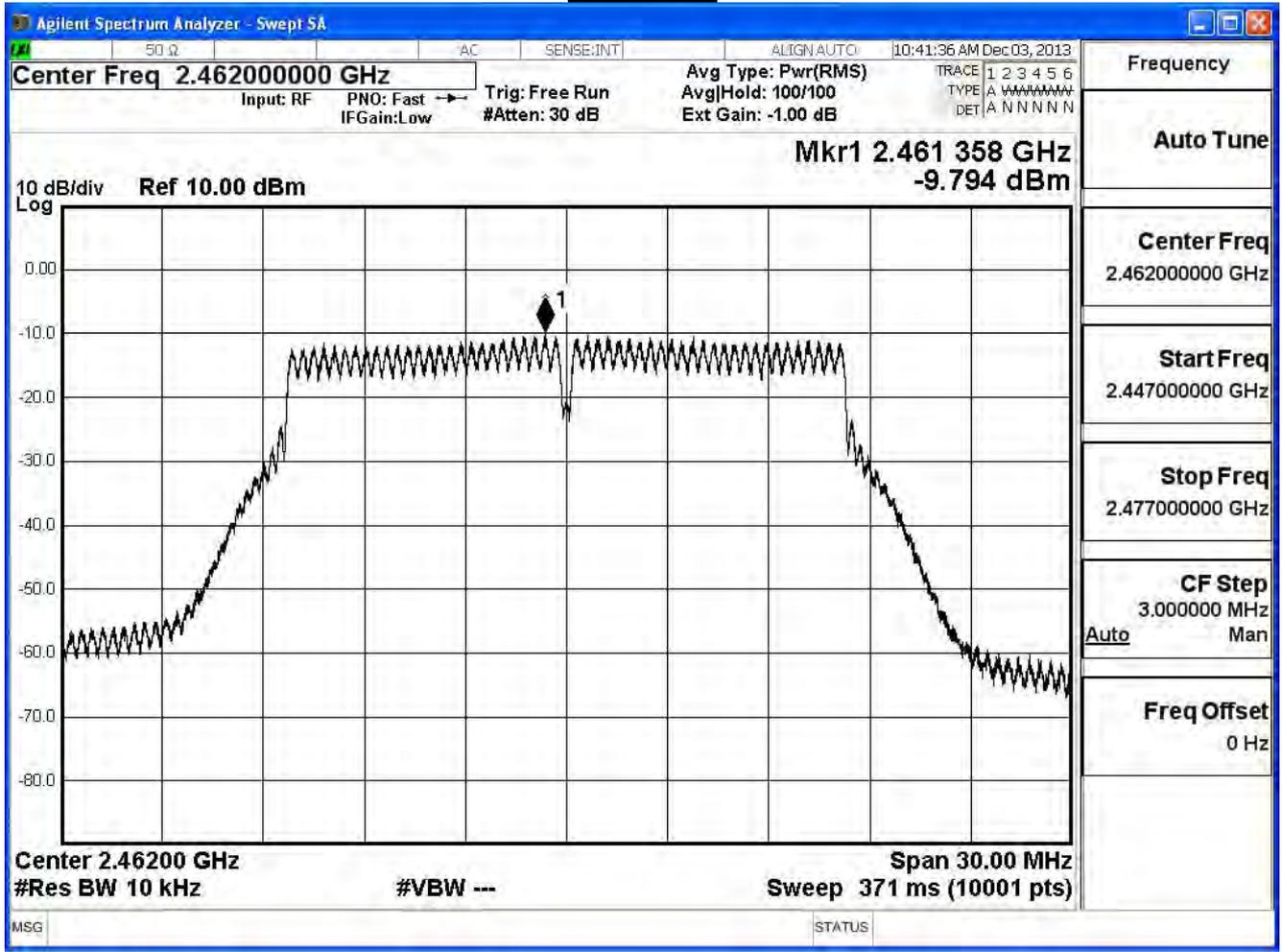
Channel 1



Channel 6



Channel 11



Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/12/02	Test Site	SR7

IEEE 802.11g (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-7.07	≤ 6.99	Pass
6	2437	-2.38	≤ 6.99	Pass
11	2462	-7.15	≤ 6.99	Pass

Note: Directional antenna : $10\log(N)+\text{Max Gain}=7.01\text{dBi}$
 Limit : $8\text{dBm}-(7.01\text{dBi}-6\text{dB})=6.99\text{dBi}$

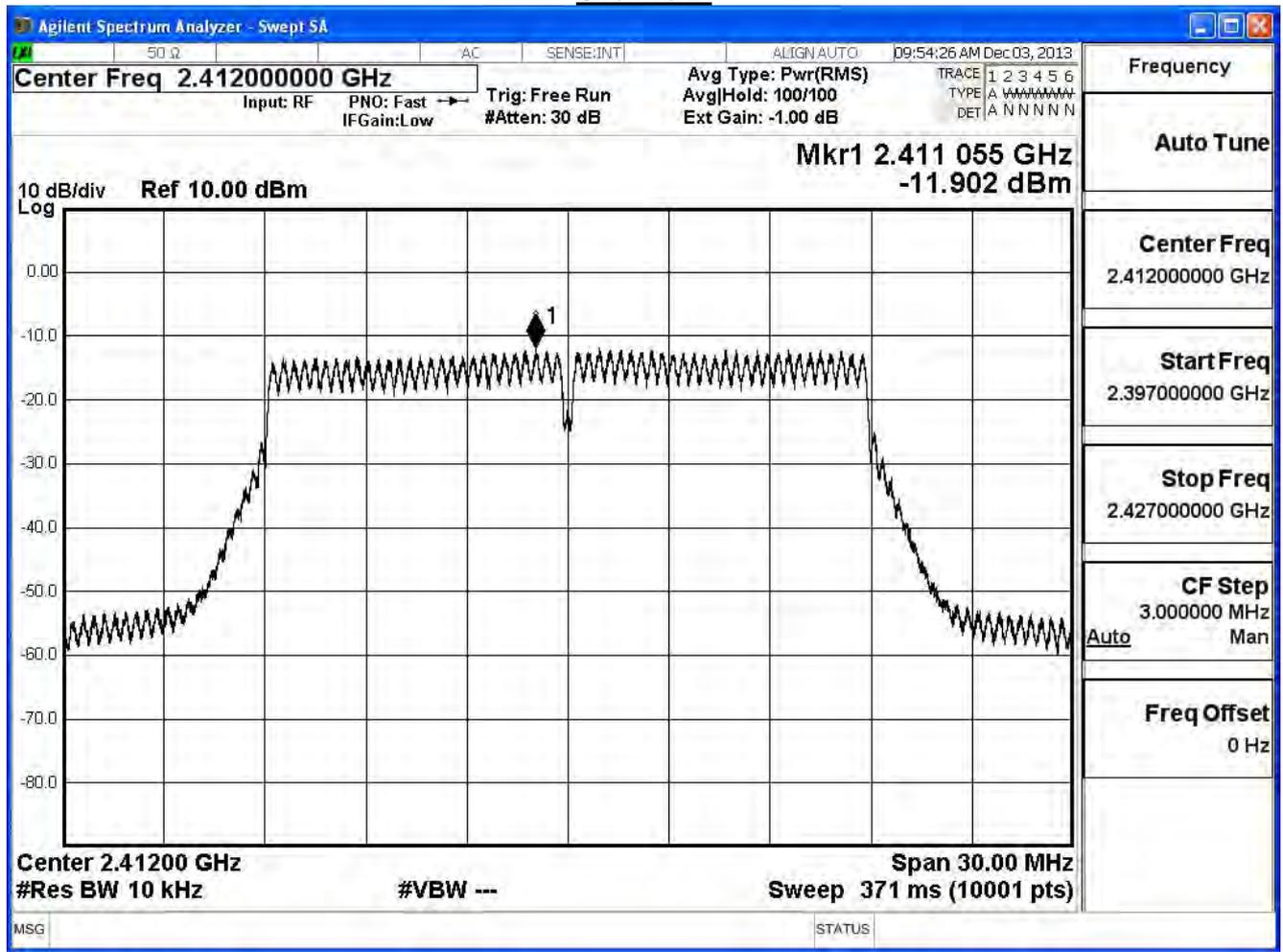
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/12/02	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-11.90	≤ 6.99	Pass
6	2437	-5.48	≤ 6.99	Pass
11	2462	-11.76	≤ 6.99	Pass

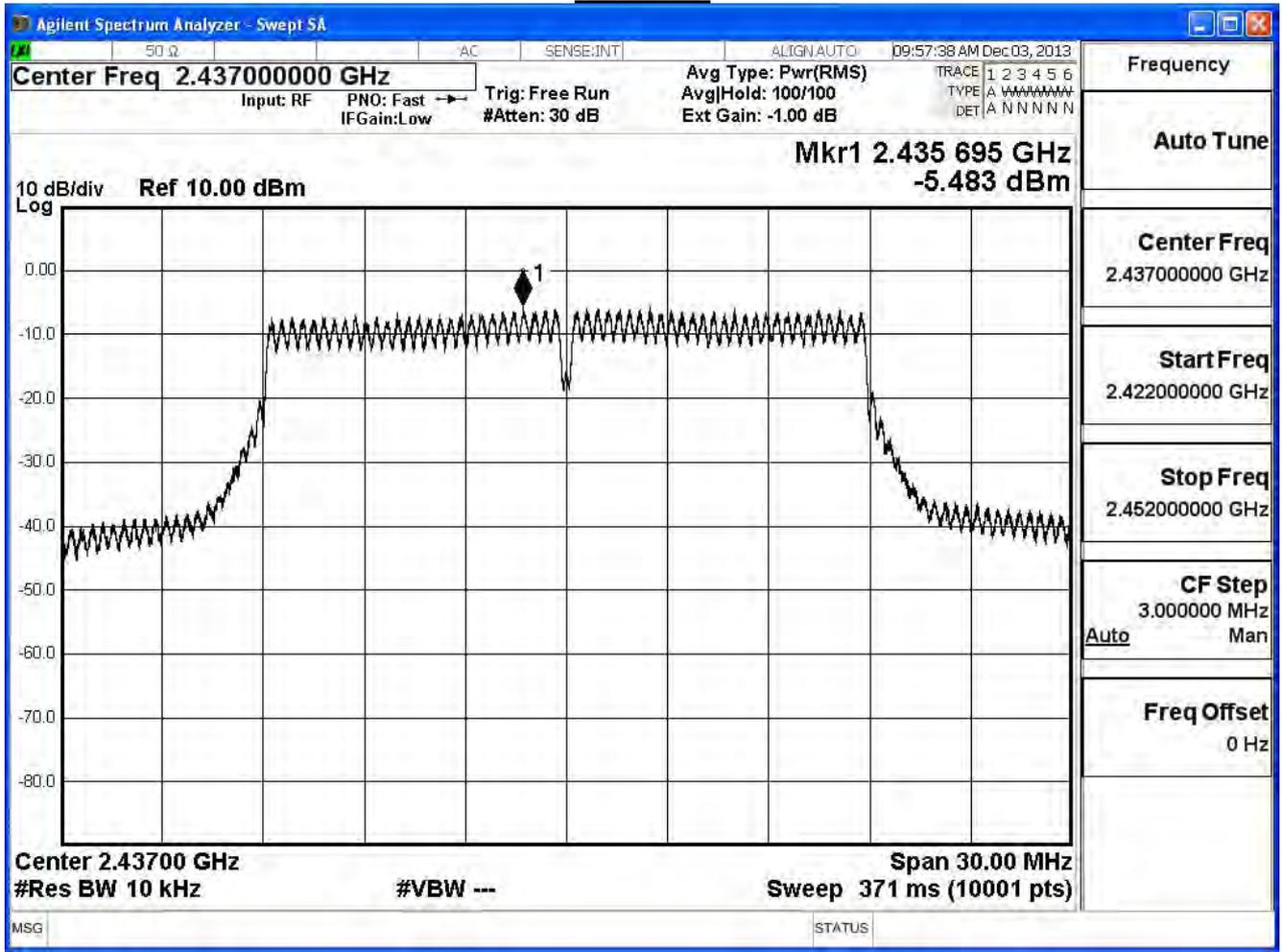
Note: Directional antenna : $10\log(N)+\text{Max Gain}=7.01\text{dBi}$

Limit : $8\text{dBm}-(7.01\text{dBi}-6\text{dB})=6.99\text{dBi}$

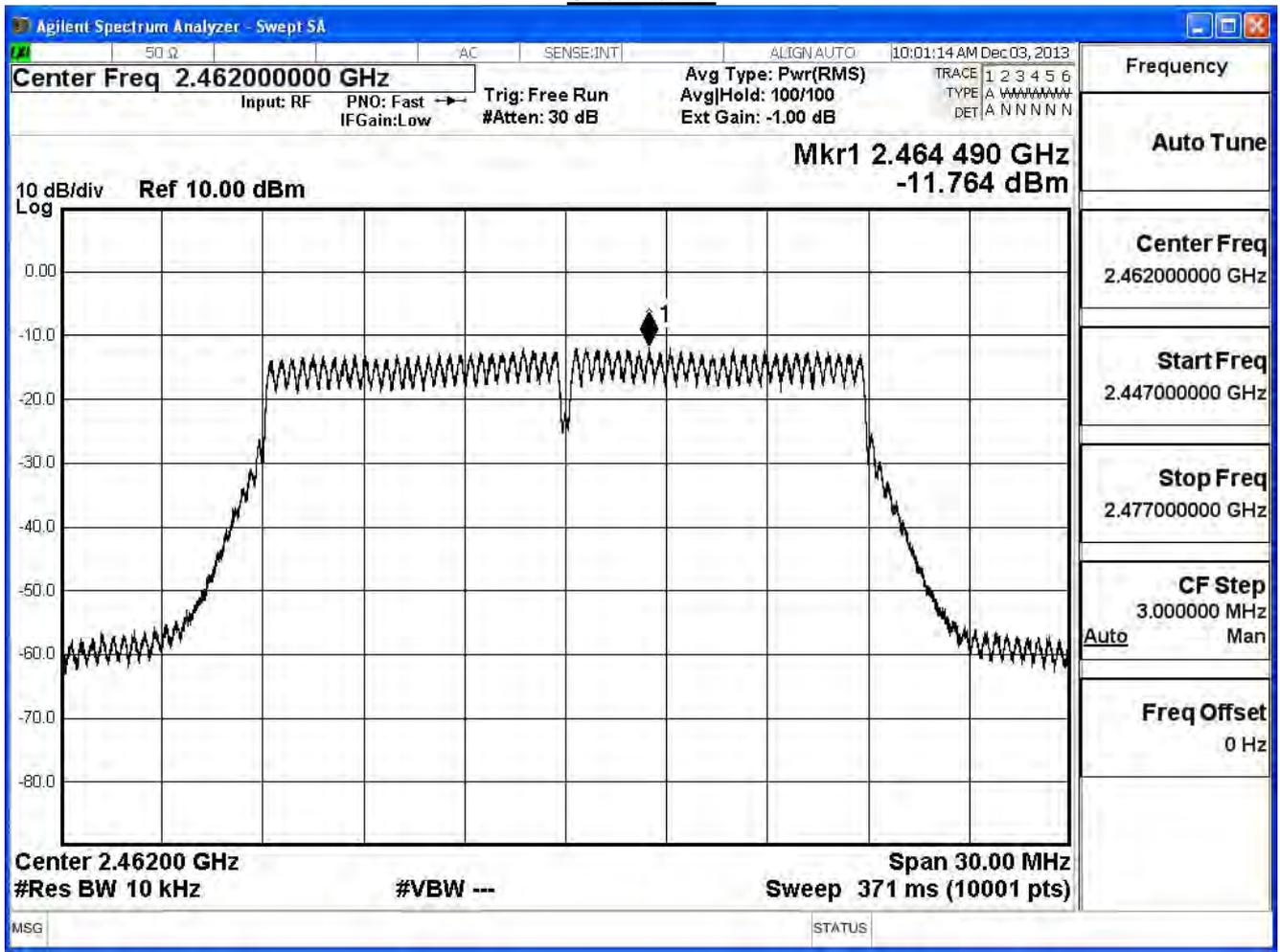
Channel 1



Channel 6



Channel 11



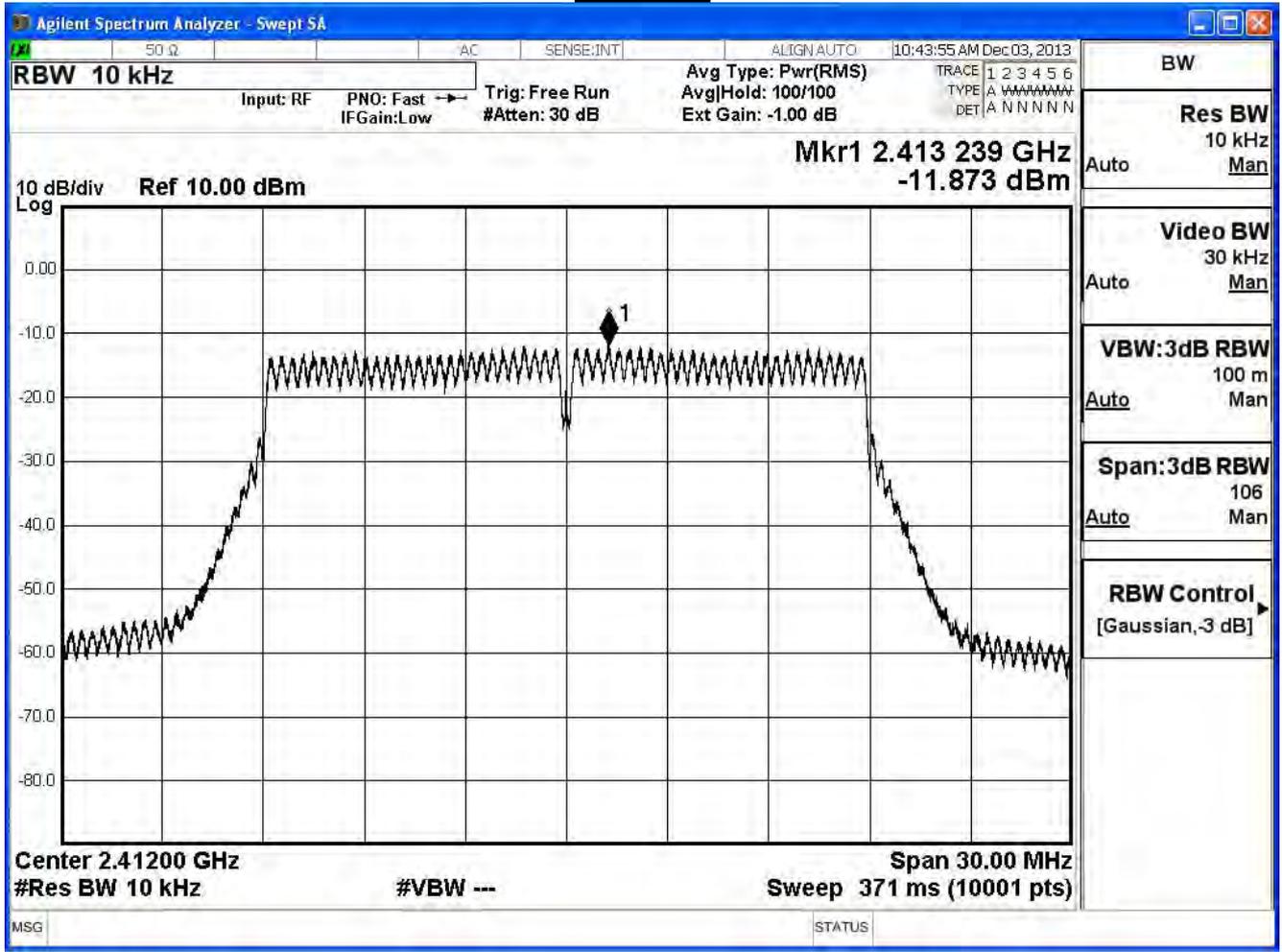
Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/12/02	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2422	-11.87	≤ 6.99	Pass
6	2437	-5.65	≤ 6.99	Pass
9	2452	-11.35	≤ 6.99	Pass

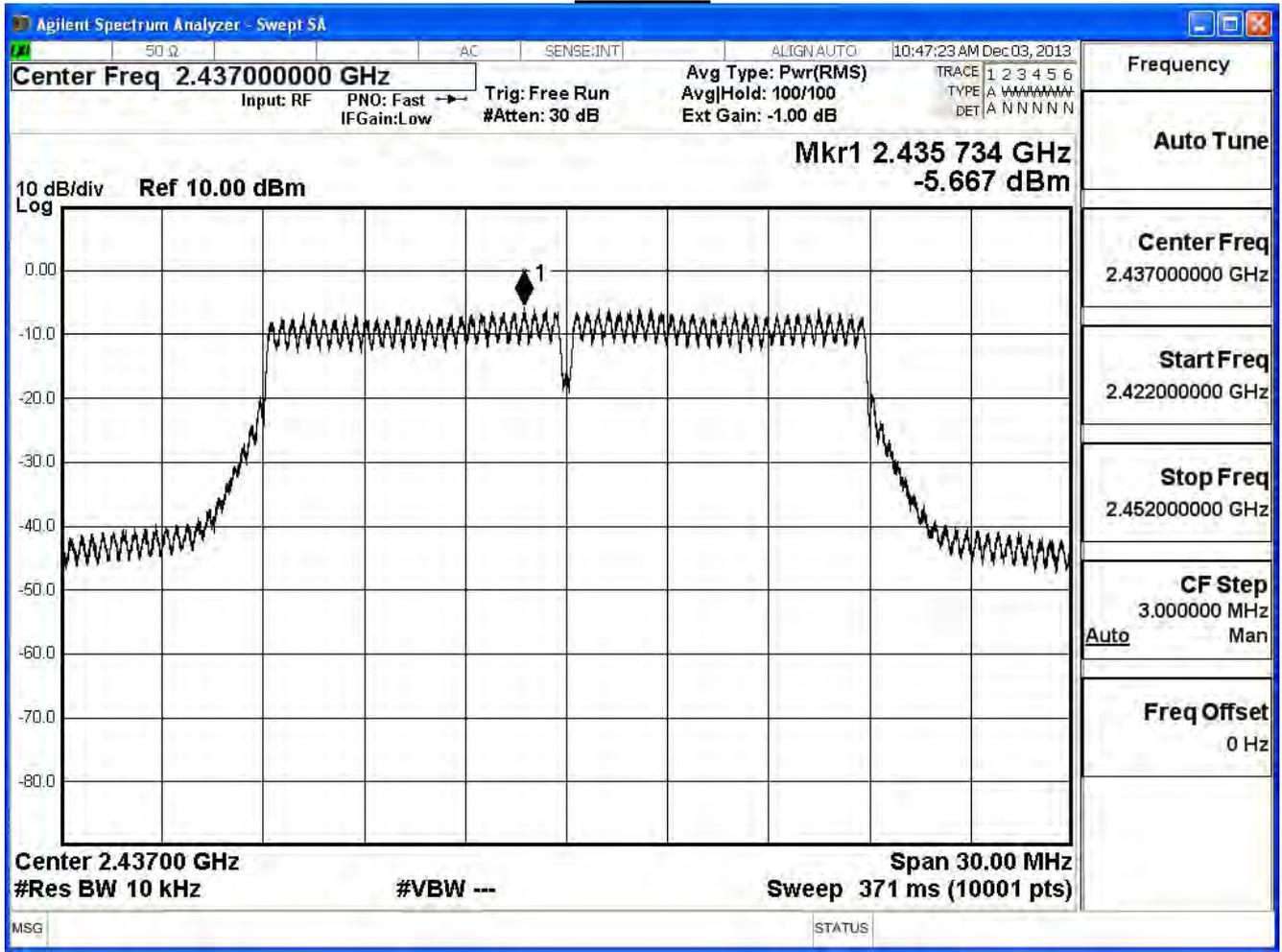
Note: Directional antenna : $10\log(N)+\text{Max Gain}=7.01\text{dBi}$

Limit : $8\text{dBm}-(7.01\text{dBi}-6\text{dB})=6.99\text{dBi}$

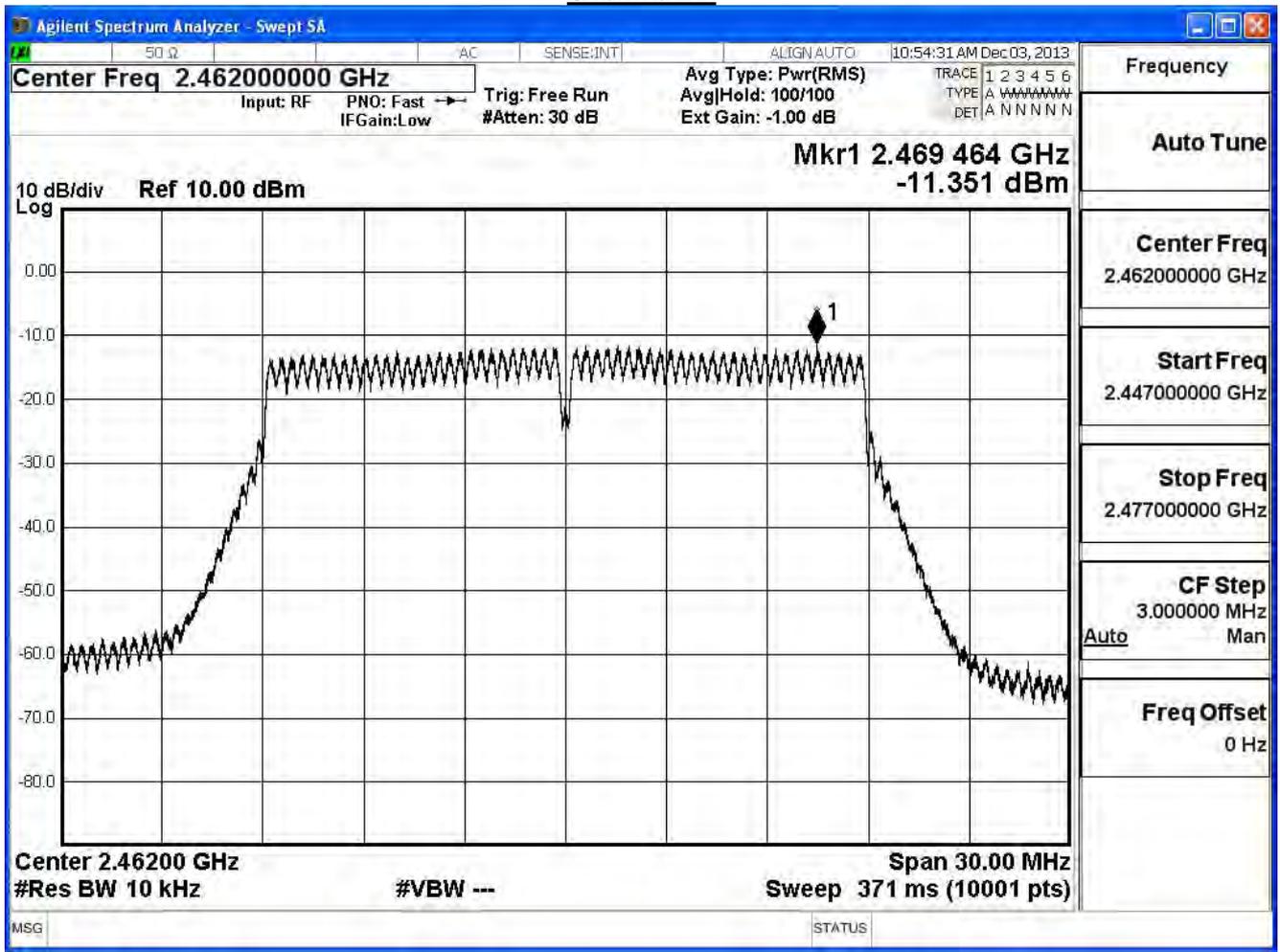
Channel 1



Channel 6



Channel 11



Product	PCE-AC56 Dual-Band Wireless PCI-E Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/12/02	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-8.87	≤ 6.99	Pass
6	2437	-2.55	≤ 6.99	Pass
11	2462	-8.54	≤ 6.99	Pass

Note: Directional antenna : $10\log(N)+\text{Max Gain}=7.01\text{dBi}$

Limit : $8\text{dBm}-(7.01\text{dBi}-6\text{dB})=6.99\text{dBi}$