6. Band Edge

6.1. Test Equipment

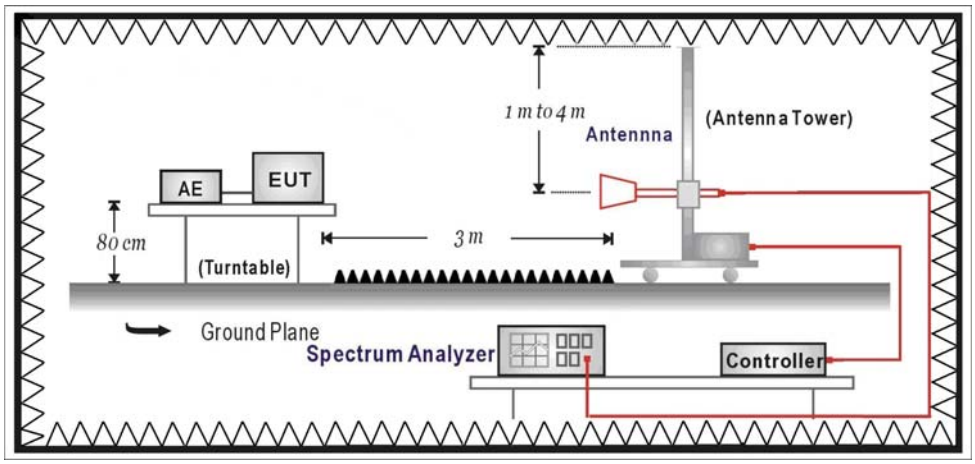
The following test equipments are used during the test:

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 Jan. 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

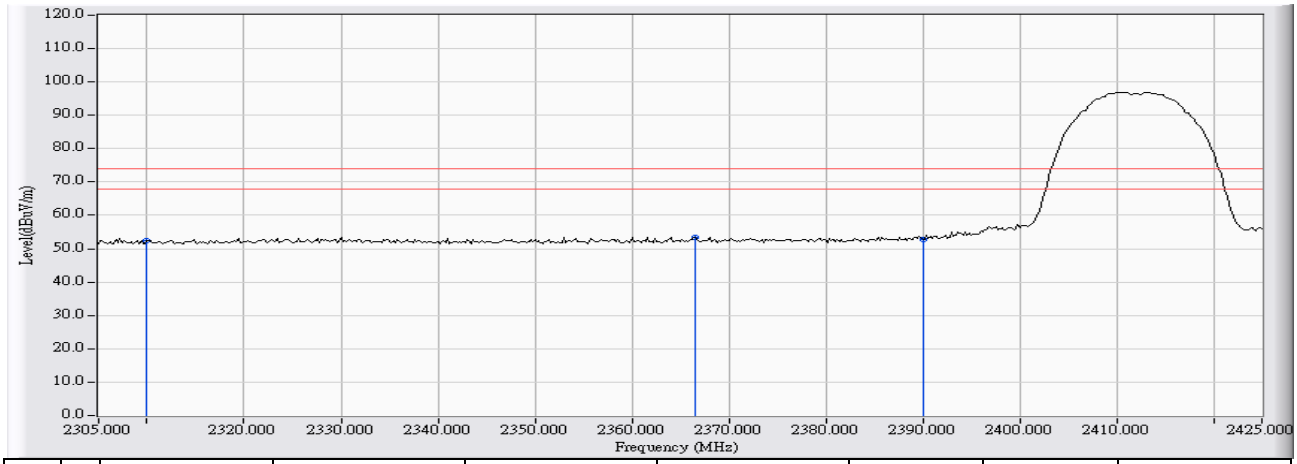
6.6. Uncertainty

The measurement uncertainty
± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	**Time : 2013/04/01 - 16:57**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11b_2412MHz**

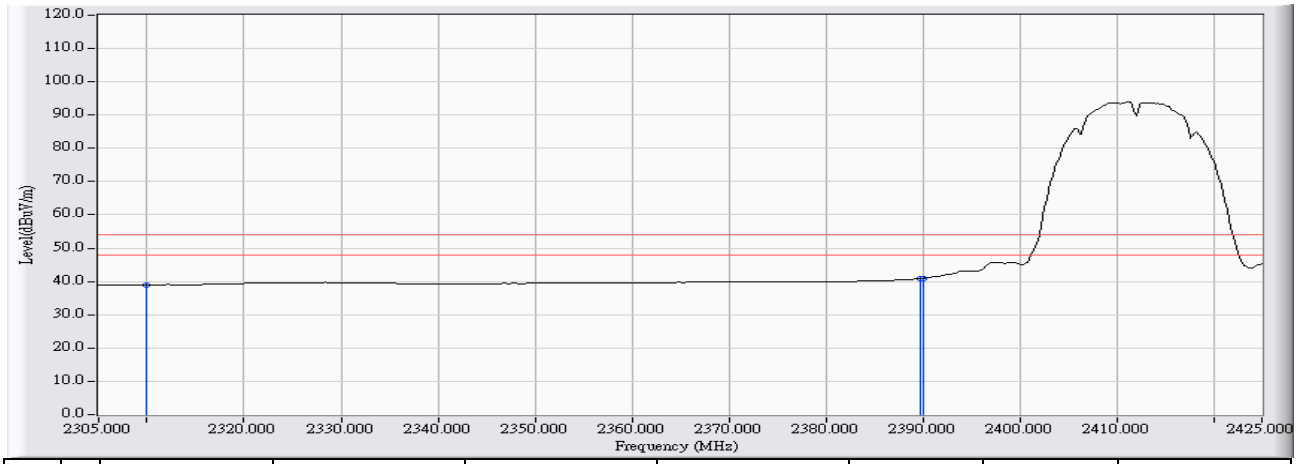


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	25.404	52.404	-21.596	74.000	PEAK
2	*	2366.600	27.216	26.051	53.267	-20.733	74.000	PEAK
3		2390.000	27.305	25.529	52.834	-21.166	74.000	PEAK

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 : 2013/04/01 - 16:58**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11b_2412MHz**

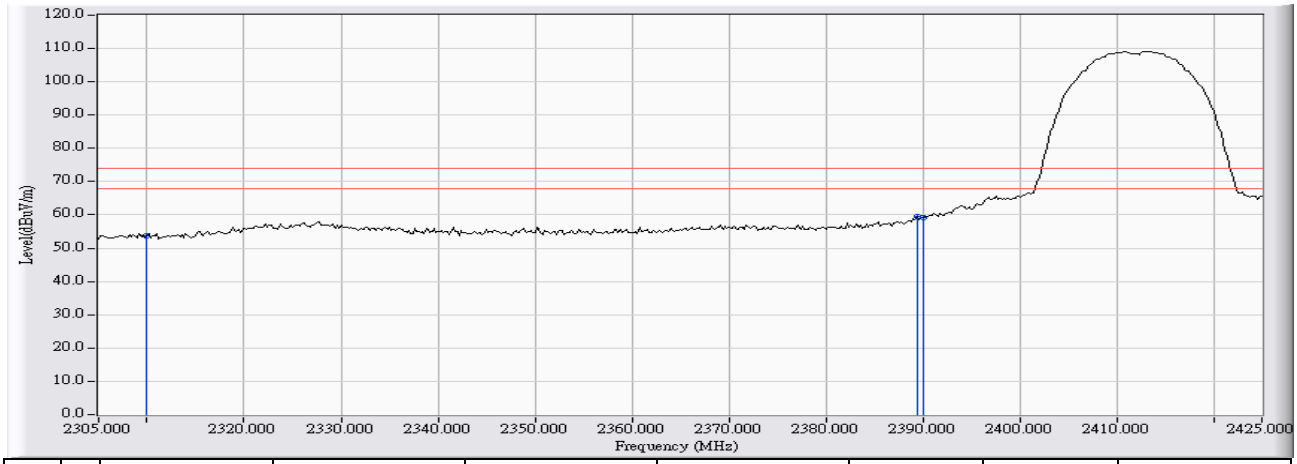


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	11.989	38.989	-15.011	54.000	AVERAGE
2		2389.800	27.304	13.589	40.894	-13.106	54.000	AVERAGE
3	*	2390.000	27.305	13.667	40.972	-13.028	54.000	AVERAGE

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 : 2013/04/01 - 17:03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11b_2412MHz**

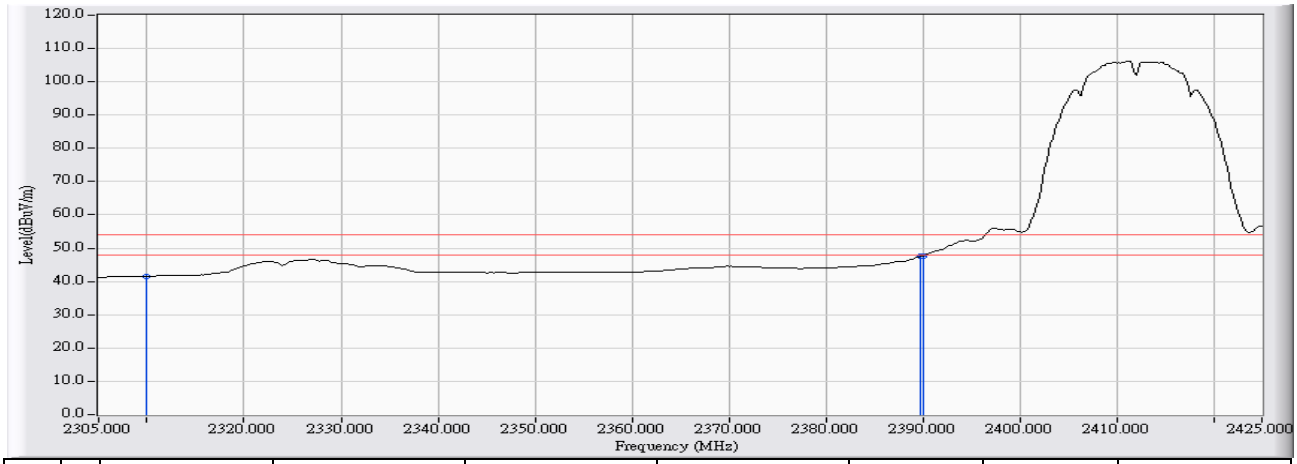


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	26.629	53.629	-20.371	74.000	PEAK
2	*	2389.400	27.303	32.374	59.677	-14.323	74.000	PEAK
3		2390.000	27.305	31.966	59.271	-14.729	74.000	PEAK

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 : 2013/04/01 - 17:03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11b_2412MHz**

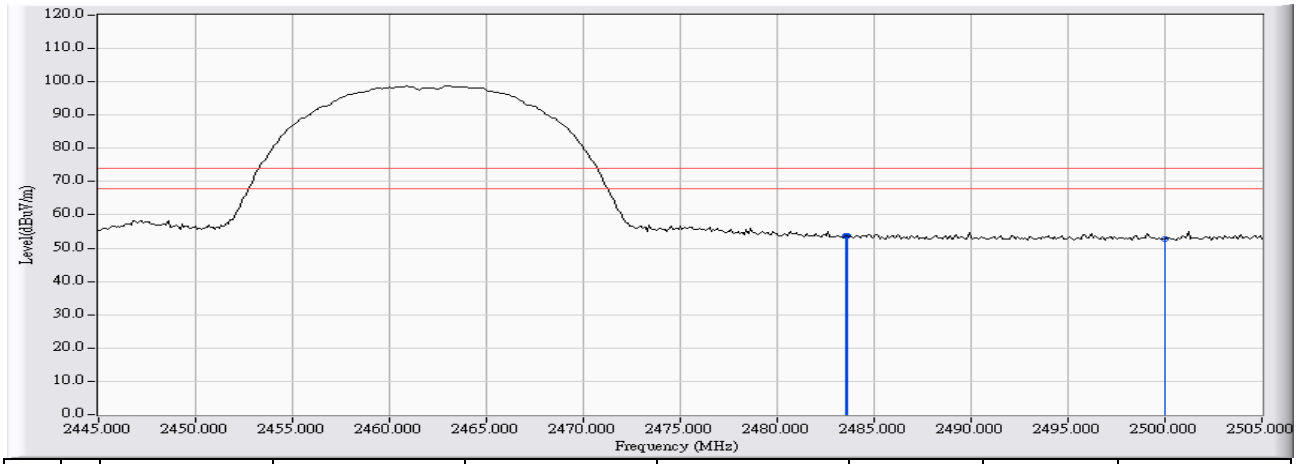


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	14.616	41.616	-12.384	54.000	AVERAGE
2		2389.800	27.304	20.238	47.543	-6.457	54.000	AVERAGE
3	*	2390.000	27.305	20.383	47.688	-6.312	54.000	AVERAGE

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 : 2013/04/01 - 17:09**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11b_2462MHz**

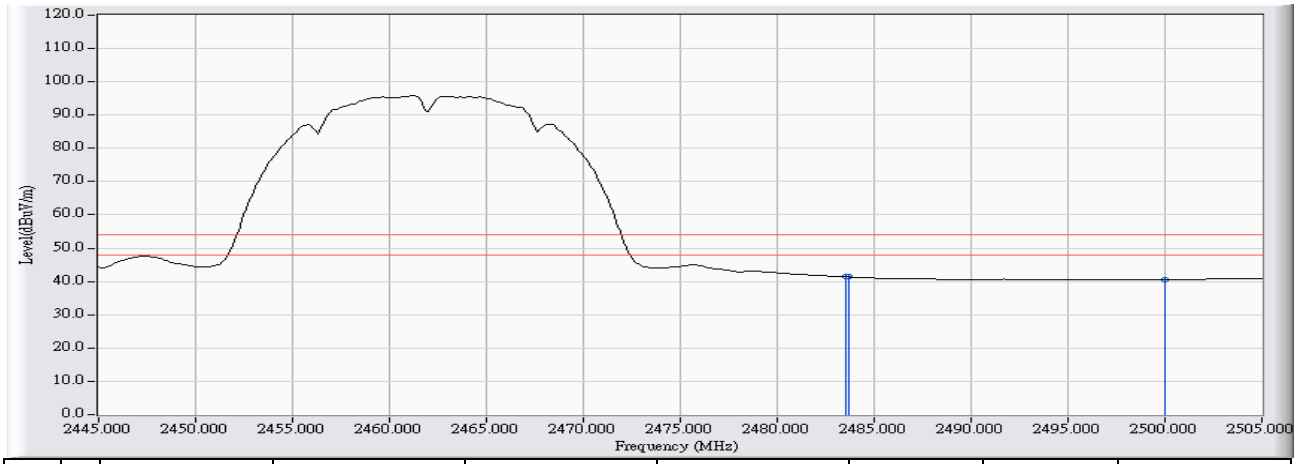


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.663	25.993	53.656	-20.344	74.000	PEAK
2	*	2483.600	27.664	26.102	53.765	-20.235	74.000	PEAK
3		2500.000	27.724	24.944	52.667	-21.333	74.000	PEAK

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 : 2013/04/01 - 17:11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11b_2462MHz**

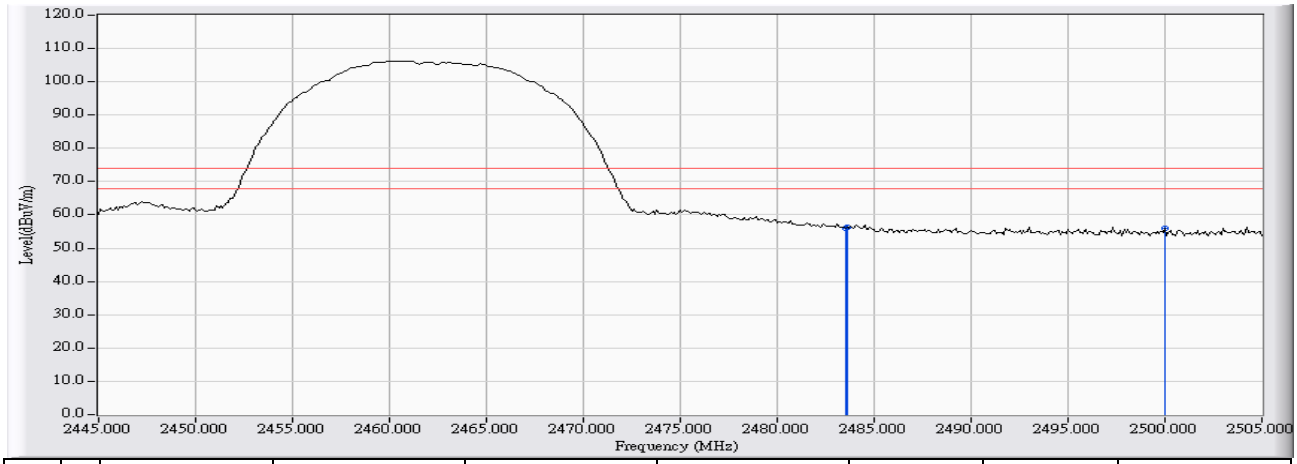


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	27.663	13.773	41.436	-12.564	54.000	AVERAGE
2		2483.700	27.664	13.690	41.353	-12.647	54.000	AVERAGE
3		2500.000	27.724	12.856	40.579	-13.421	54.000	AVERAGE

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 : 2013/04/01 - 17:17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11b_2462MHz**

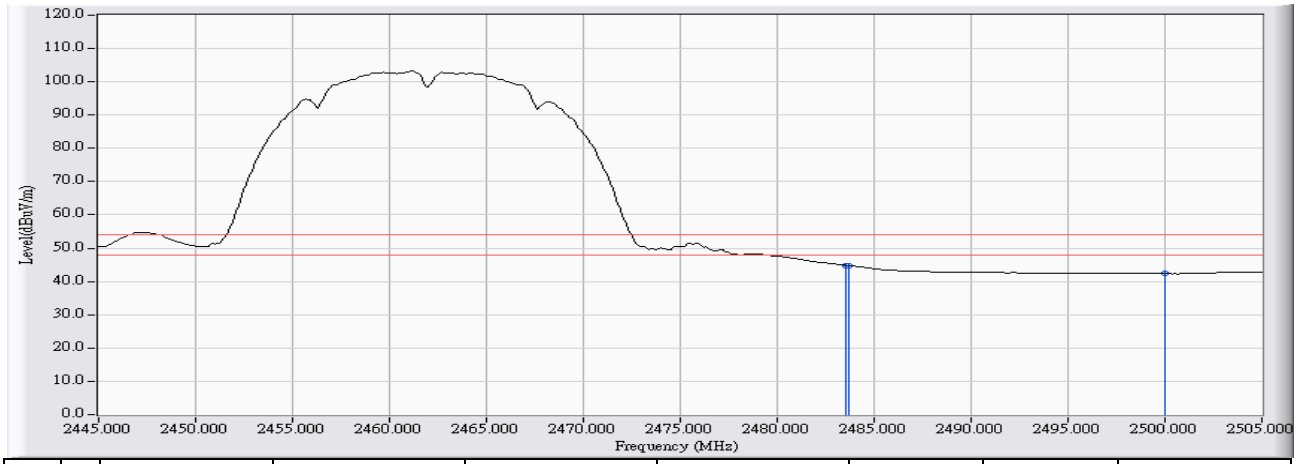


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.663	28.429	56.092	-17.908	74.000	PEAK
2	*	2483.600	27.664	28.701	56.364	-17.636	74.000	PEAK
3		2500.000	27.724	28.364	56.087	-17.913	74.000	PEAK

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 : 2013/04/01 - 17:19**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11b_2462MHz**

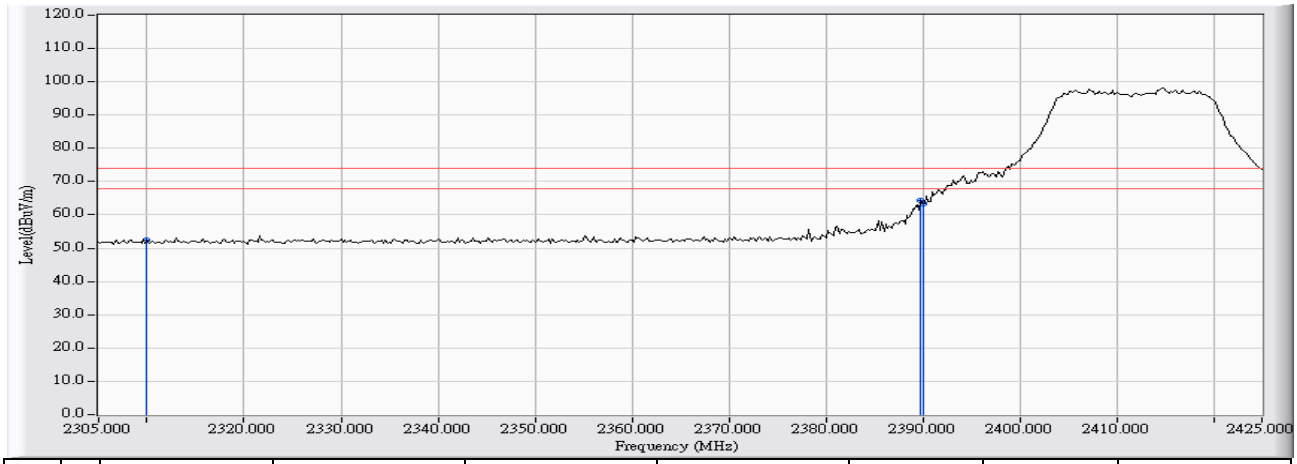


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	27.663	17.172	44.835	-9.165	54.000	AVERAGE
2		2483.700	27.664	17.038	44.701	-9.299	54.000	AVERAGE
3		2500.000	27.724	14.638	42.361	-11.639	54.000	AVERAGE

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 : 2013/04/01 - 17:33**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11g_2412MHz**

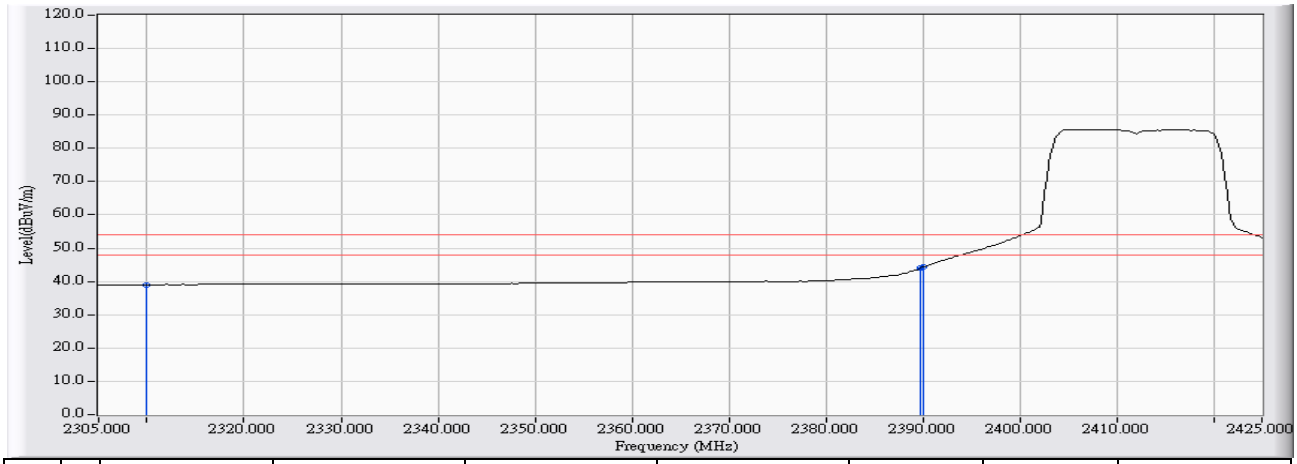


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	25.377	52.377	-21.623	74.000	PEAK
2	*	2389.800	27.304	36.925	64.230	-9.770	74.000	PEAK
3		2390.000	27.305	36.146	63.451	-10.549	74.000	PEAK

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 : 2013/04/01 - 17:34**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11g_2412MHz**

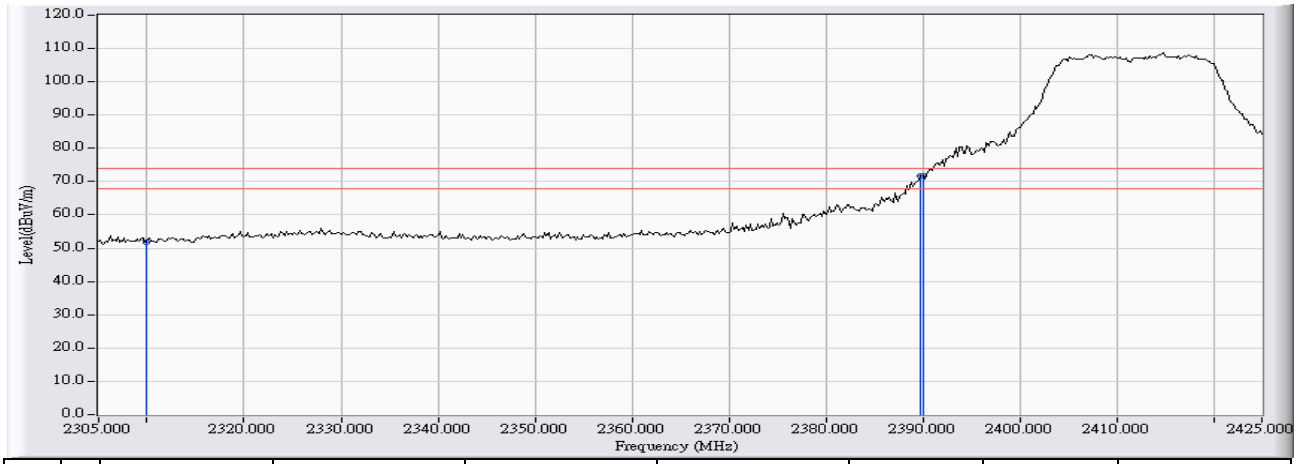


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	12.041	39.041	-14.959	54.000	AVERAGE
2		2389.800	27.304	16.738	44.043	-9.957	54.000	AVERAGE
3	*	2390.000	27.305	16.991	44.296	-9.704	54.000	AVERAGE

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 : 2013/04/01 - 17:38**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11g_2412MHz**

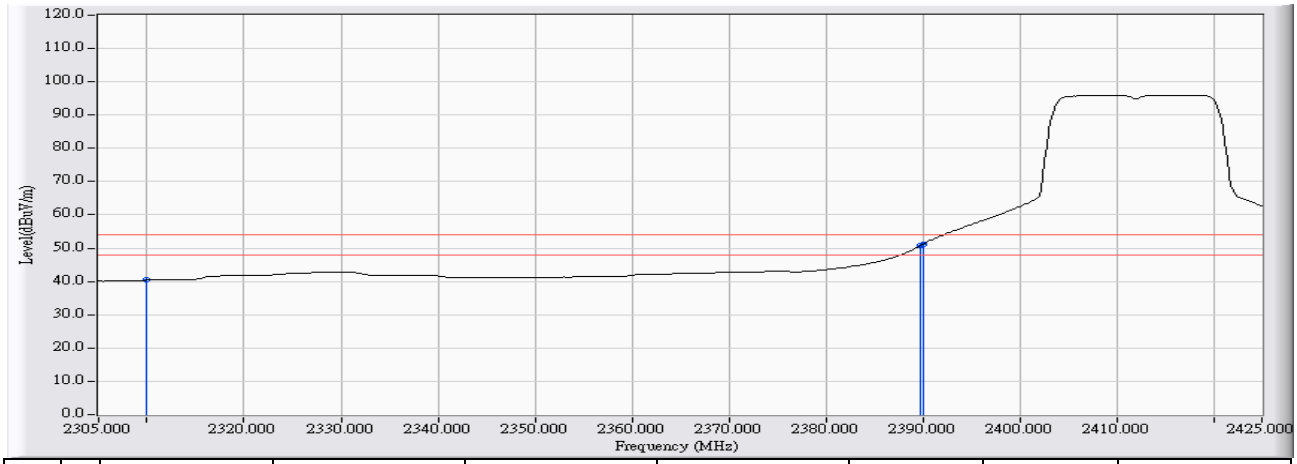


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	24.739	51.739	-22.261	74.000	PEAK
2	*	2389.800	27.304	44.434	71.739	-2.261	74.000	PEAK
3		2390.000	27.305	44.302	71.607	-2.393	74.000	PEAK

Note:

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

Site : CB1	**Time : 2013/04/01 - 17:39**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11g_2412MHz**

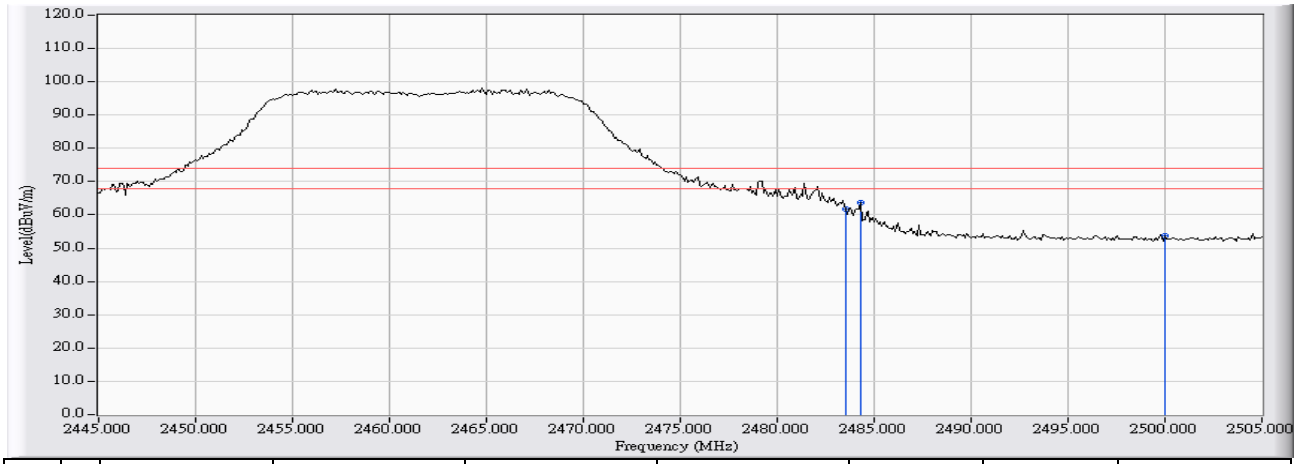


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	13.381	40.381	-13.619	54.000	AVERAGE
2		2389.800	27.304	23.504	50.809	-3.191	54.000	AVERAGE
3	*	2390.000	27.305	23.861	51.166	-2.834	54.000	AVERAGE

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 : 2013/04/01 - 17:43**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11g_2462MHz**

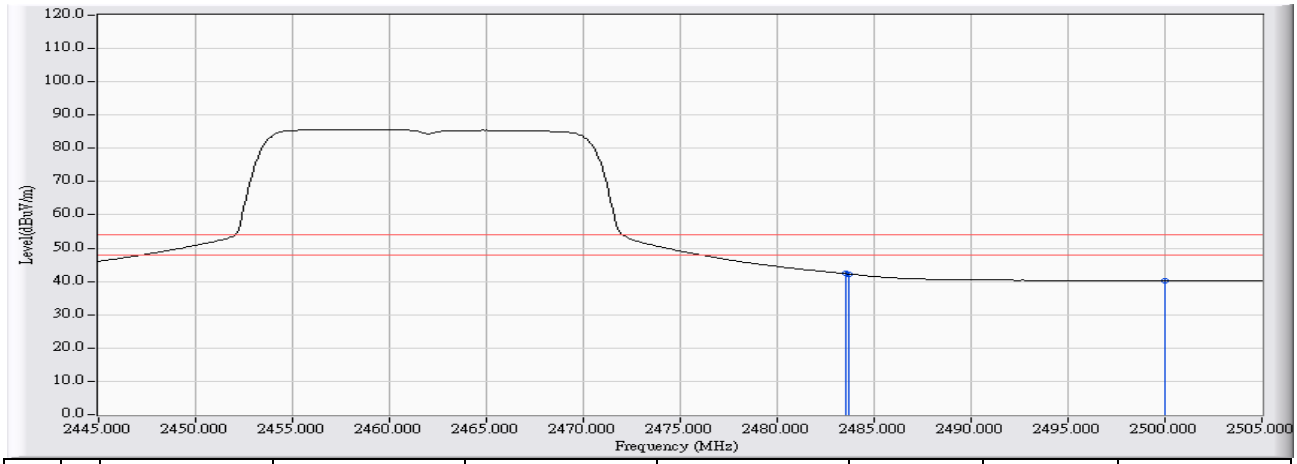


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.663	34.024	61.687	-12.313	74.000	PEAK
2	*	2484.300	27.666	36.041	63.707	-10.293	74.000	PEAK
3		2500.000	27.724	26.105	53.828	-20.172	74.000	PEAK

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 : 2013/04/01 - 17:44**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11g_2462MHz**

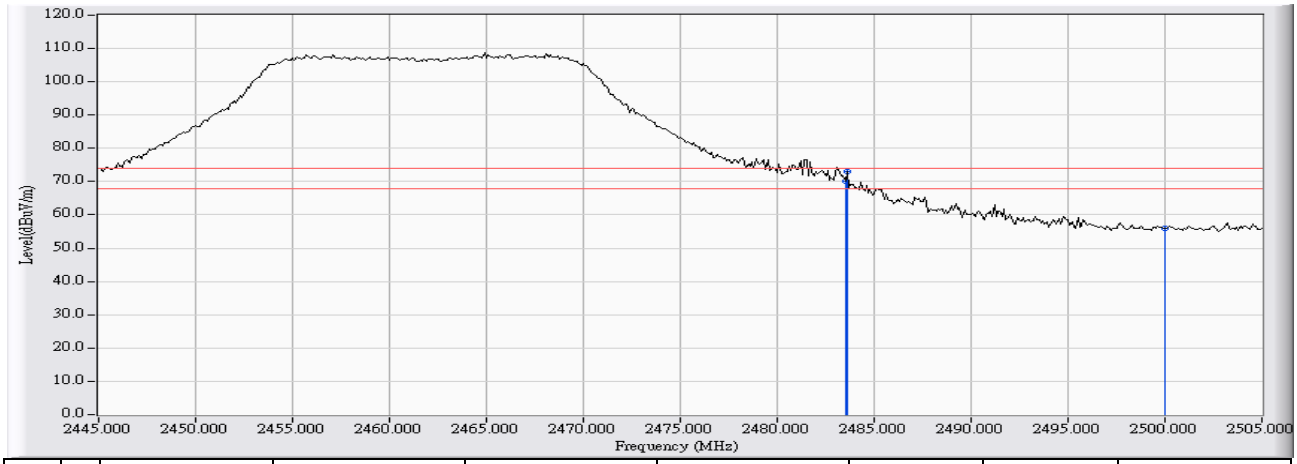


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	27.663	14.652	42.315	-11.685	54.000	AVERAGE
2		2483.700	27.664	14.585	42.248	-11.752	54.000	AVERAGE
3		2500.000	27.724	12.490	40.213	-13.787	54.000	AVERAGE

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 : 2013/04/01 - 17:54**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11g_2462MHz_ tx power:14.00**

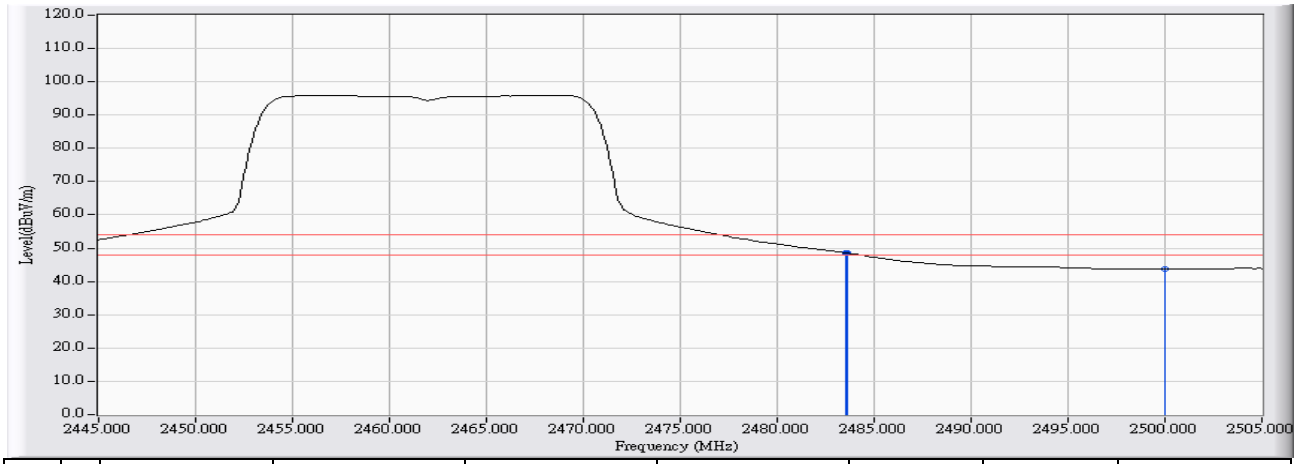


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.663	42.511	70.174	-3.826	74.000	PEAK
2	*	2483.600	27.664	45.348	73.011	-0.989	74.000	PEAK
3		2500.000	27.724	28.347	56.070	-17.930	74.000	PEAK

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 : 2013/04/01 - 17:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11g_2462MHz_ tx power:14.00**

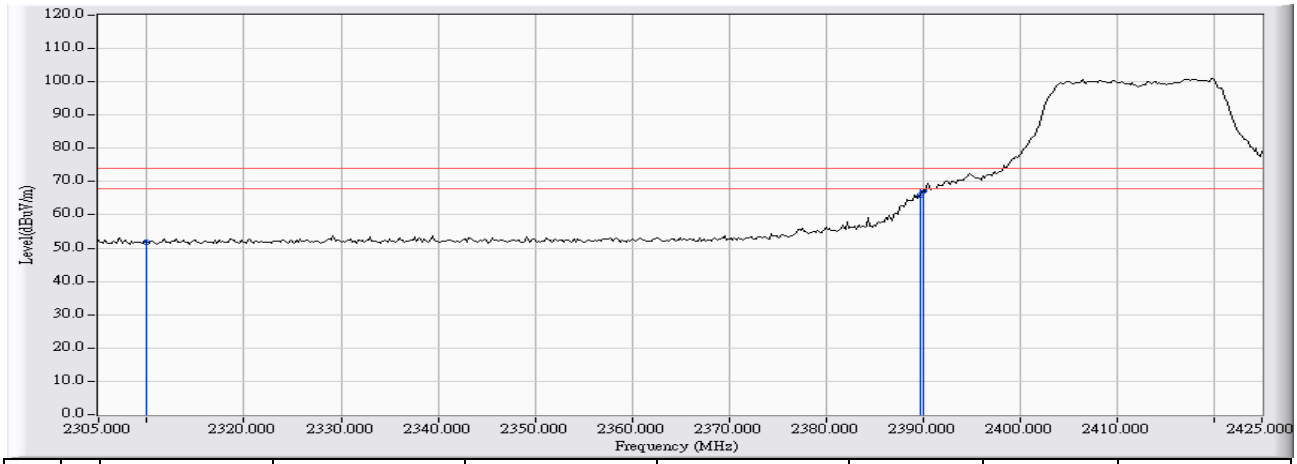


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	27.663	20.952	48.615	-5.385	54.000	AVERAGE
2		2483.600	27.664	20.882	48.545	-5.455	54.000	AVERAGE
3		2500.000	27.724	16.104	43.827	-10.173	54.000	AVERAGE

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 : 2013/04/01 - 18:00**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(20MHz)_2412MHz**

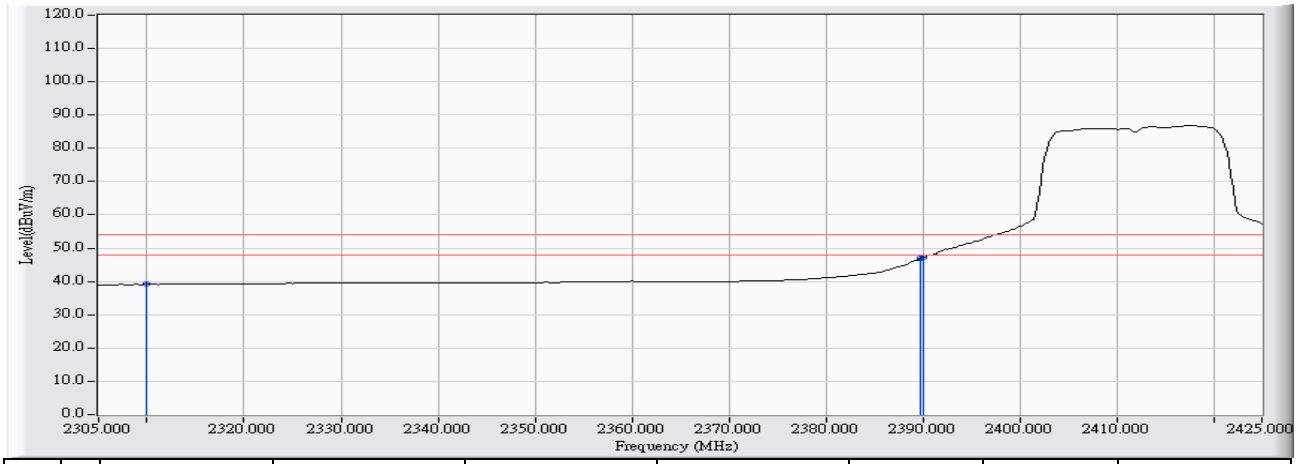


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	24.645	51.645	-22.355	74.000	PEAK
2		2389.800	27.304	38.674	65.979	-8.021	74.000	PEAK
3	*	2390.000	27.305	39.878	67.183	-6.817	74.000	PEAK

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 : 2013/04/01 - 18:01**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(20MHz)_2412MHz**

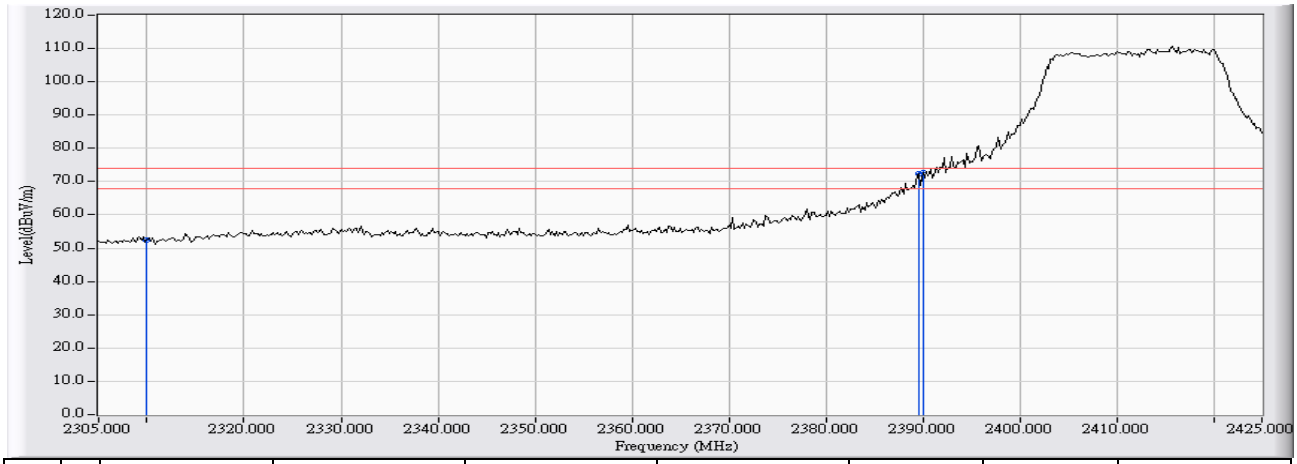


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	12.131	39.131	-14.869	54.000	AVERAGE
2		2389.800	27.304	19.684	46.989	-7.011	54.000	AVERAGE
3	*	2390.000	27.305	19.869	47.174	-6.826	54.000	AVERAGE

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 : 2013/04/01 - 18:06**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(20MHz)_2412MHz**

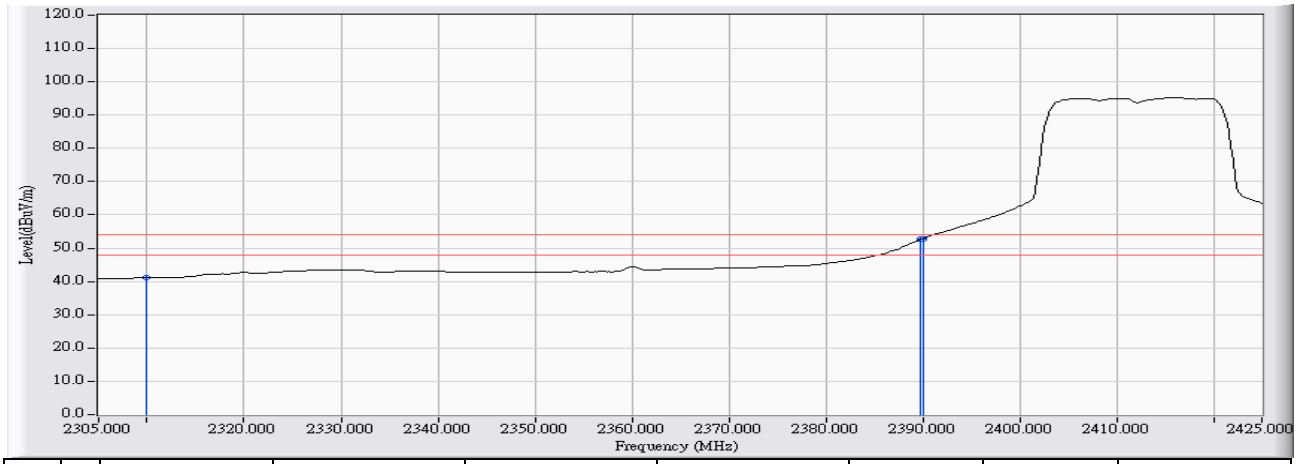


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	25.313	52.313	-21.687	74.000	PEAK
2		2389.600	27.304	45.052	72.356	-1.644	74.000	PEAK
3	*	2390.000	27.305	45.376	72.681	-1.319	74.000	PEAK

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 : 2013/04/01 - 18:07**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(20MHz)_2412MHz**

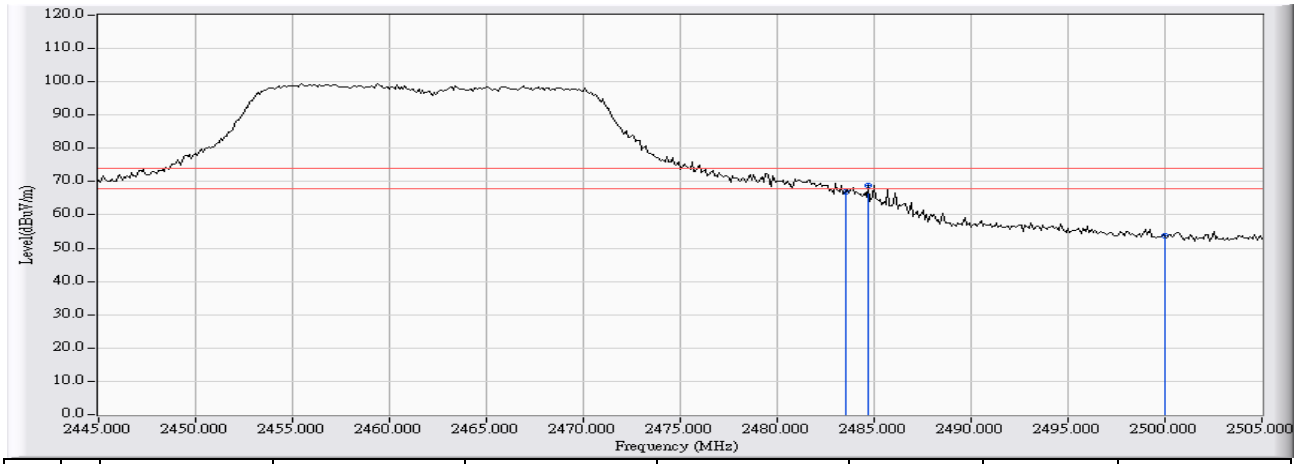


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	14.155	41.155	-12.845	54.000	AVERAGE
2		2389.800	27.304	25.348	52.653	-1.347	54.000	AVERAGE
3	*	2390.000	27.305	25.578	52.883	-1.117	54.000	AVERAGE

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 : 2013/04/01 - 23:37**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(20MHz)_2462MHz**

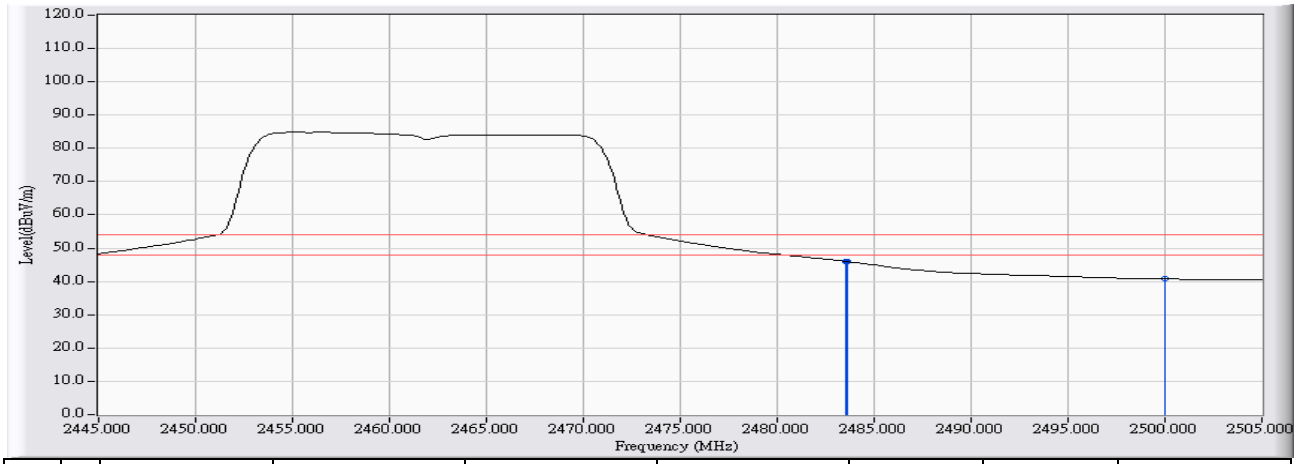


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.663	39.394	67.057	-6.943	74.000	PEAK
2	*	2484.700	27.667	41.221	68.888	-5.112	74.000	PEAK
3		2500.000	27.724	26.076	53.799	-20.201	74.000	PEAK

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 : 2013/04/01 - 23:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(20MHz)_2462MHz**

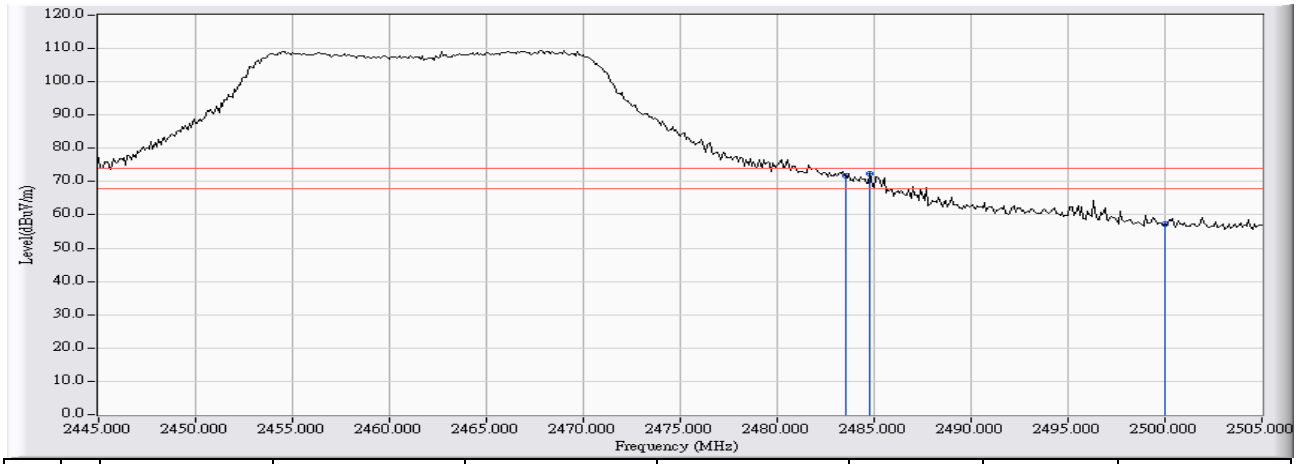


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	27.663	18.331	45.994	-8.006	54.000	AVERAGE
2		2483.600	27.664	18.261	45.924	-8.076	54.000	AVERAGE
3		2500.000	27.724	12.995	40.718	-13.282	54.000	AVERAGE

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 : 2013/04/01 - 23:44**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(20MHz)_2462MHz**

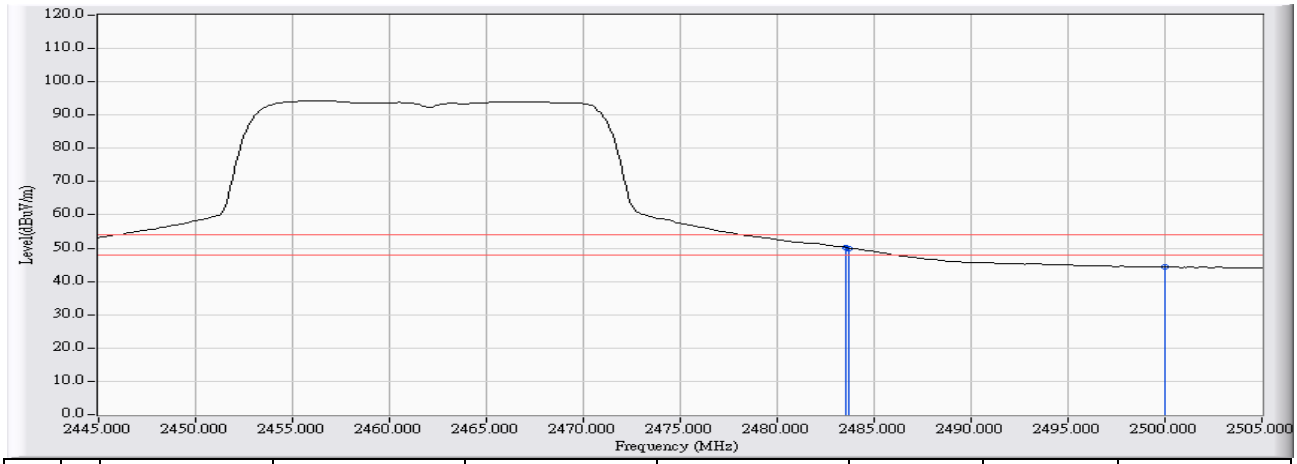


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.663	44.199	71.862	-2.138	74.000	PEAK
2	*	2484.800	27.667	44.825	72.493	-1.507	74.000	PEAK
3		2500.000	27.724	29.552	57.275	-16.725	74.000	PEAK

Note:

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

Site : CB1	**Time : 2013/04/01 - 23:44**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(20MHz)_2462MHz**

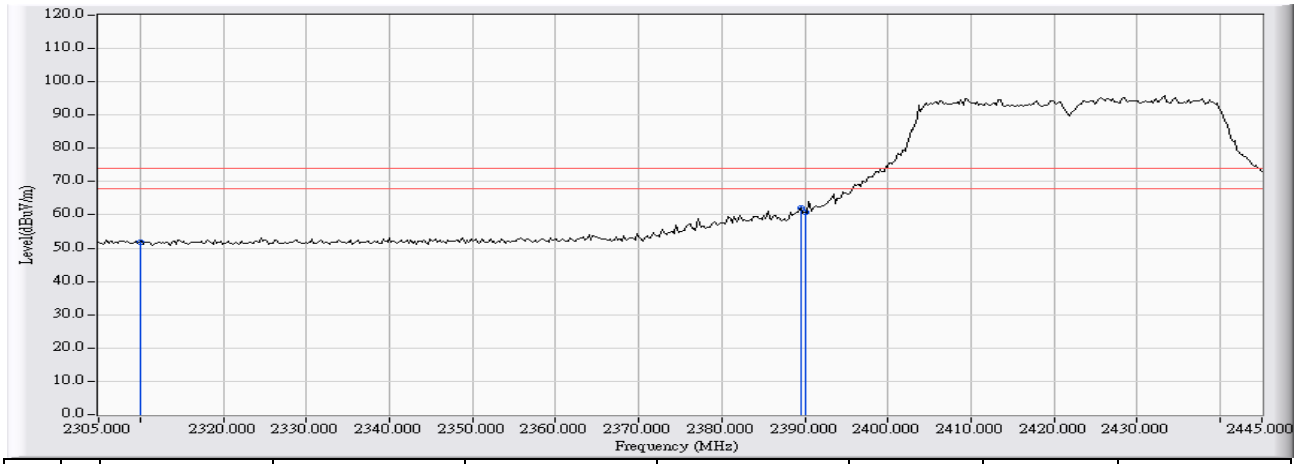


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	27.663	22.526	50.189	-3.811	54.000	AVERAGE
2		2483.700	27.664	22.327	49.990	-4.010	54.000	AVERAGE
3		2500.000	27.724	16.573	44.296	-9.704	54.000	AVERAGE

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 : 2013/04/01 - 23:49**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(40MHz)_2422MHz**

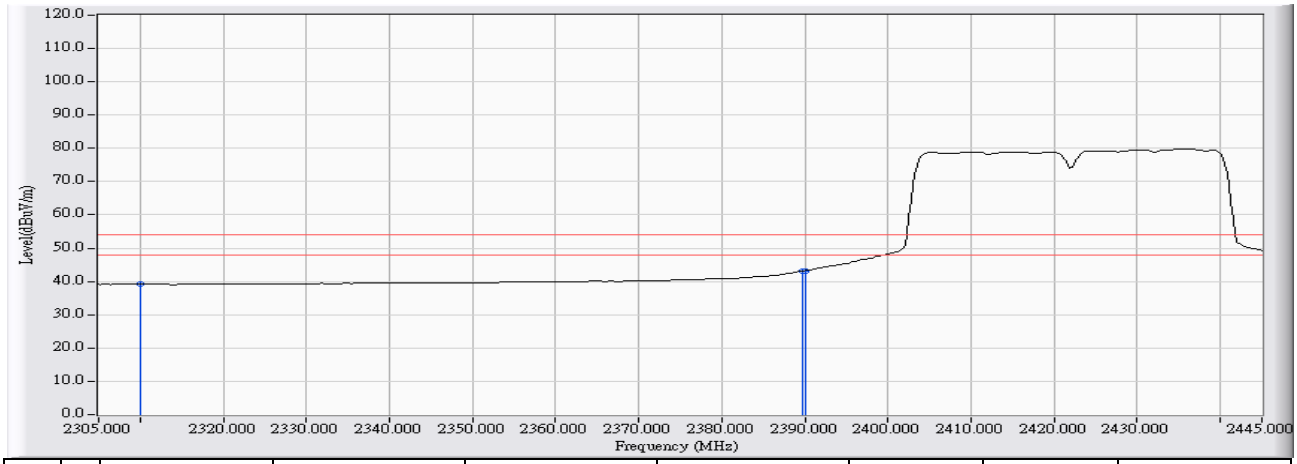


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	24.933	51.933	-22.067	74.000	PEAK
2	*	2389.467	27.303	34.685	61.988	-12.012	74.000	PEAK
3		2390.000	27.305	33.399	60.704	-13.296	74.000	PEAK

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 : 2013/04/01 - 23:50**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(40MHz)_2422MHz**

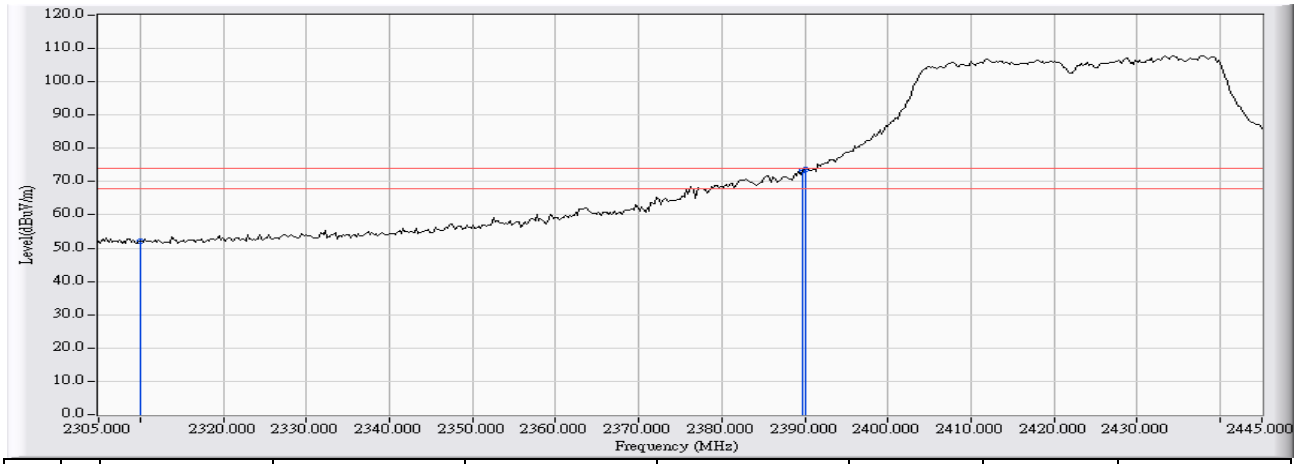


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	12.131	39.131	-14.869	54.000	AVERAGE
2		2389.700	27.304	15.810	43.114	-10.886	54.000	AVERAGE
3	*	2390.000	27.305	15.889	43.194	-10.806	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2013/04/01 - 23:54**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(40MHz)_2422MHz**

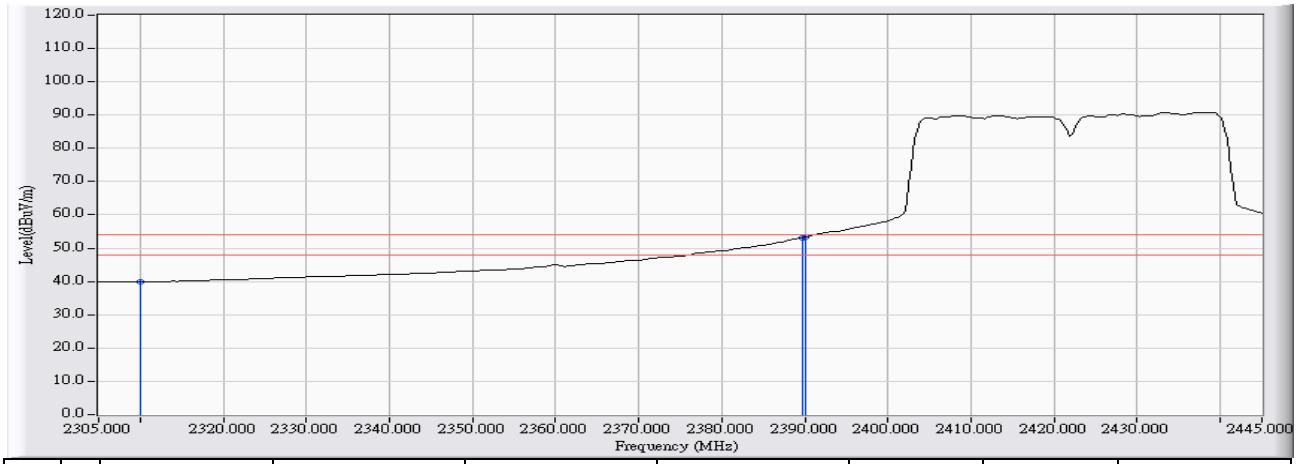


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	25.127	52.127	-21.873	74.000	PEAK
2		2389.700	27.304	45.936	73.240	-0.760	74.000	PEAK
3	*	2390.000	27.305	46.493	73.798	-0.202	74.000	PEAK

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 : 2013/04/01 - 23:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(40MHz)_2422MHz**

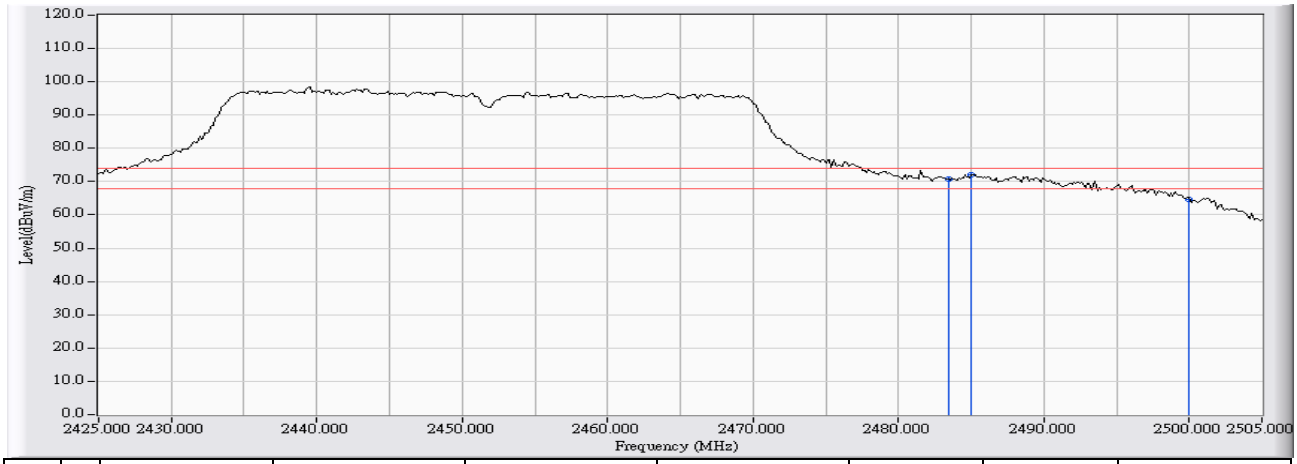


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.000	12.950	39.950	-14.050	54.000	AVERAGE
2		2389.700	27.304	25.932	53.236	-0.764	54.000	AVERAGE
3	*	2390.000	27.305	26.035	53.340	-0.660	54.000	AVERAGE

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 : 2013/04/01 - 23:58**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(40MHz)_2452MHz**

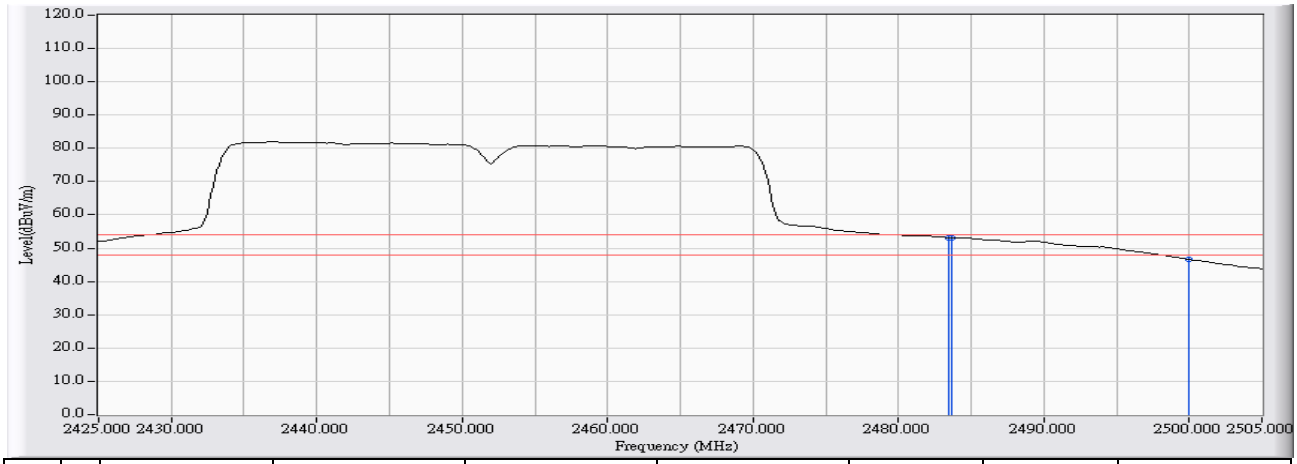


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.663	42.958	70.621	-3.379	74.000	PEAK
2	*	2485.000	27.668	44.271	71.939	-2.061	74.000	PEAK
3		2500.000	27.724	36.999	64.722	-9.278	74.000	PEAK

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 : 2013/04/01 - 23:58**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(40MHz)_2452MHz**

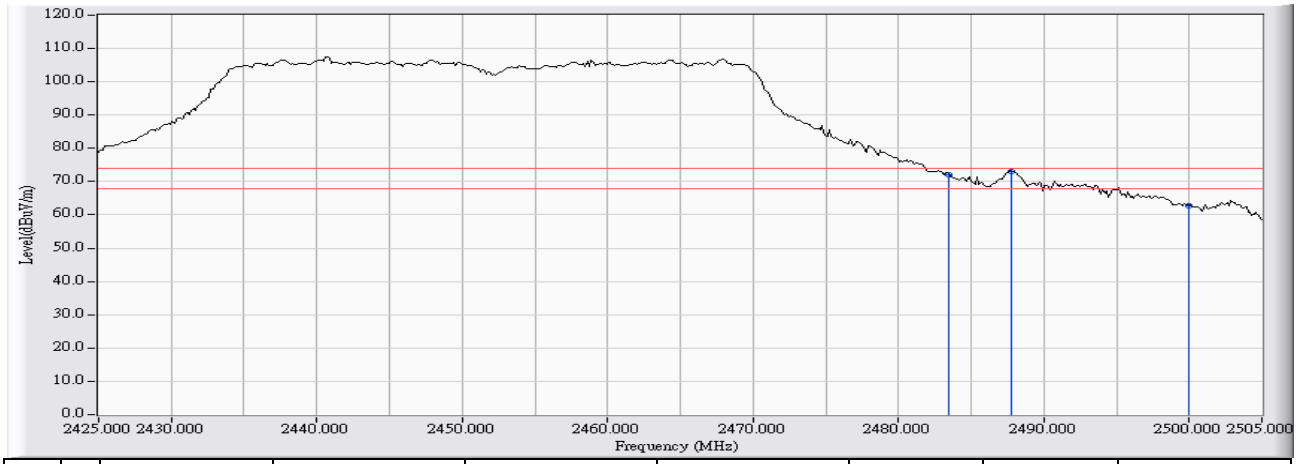


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	27.663	25.526	53.189	-0.811	54.000	AVERAGE
2		2483.667	27.664	25.473	53.136	-0.864	54.000	AVERAGE
3		2500.000	27.724	18.902	46.625	-7.375	54.000	AVERAGE

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 : 2013/04/02 - 00:04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(40MHz)_2452MHz**

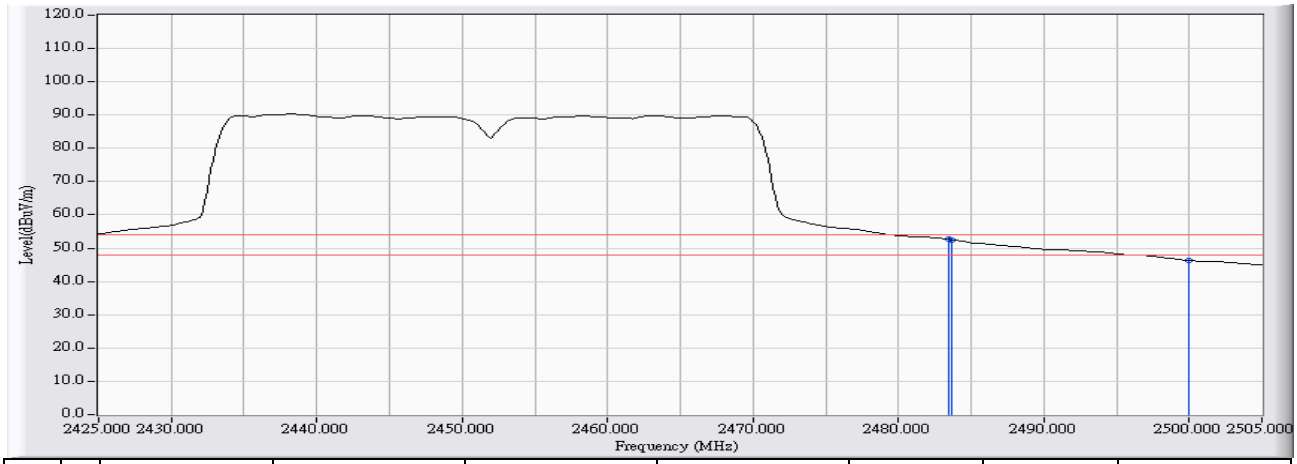


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	27.663	44.560	72.223	-1.777	74.000	PEAK
2	*	2487.800	27.679	45.473	73.152	-0.848	74.000	PEAK
3		2500.000	27.724	35.163	62.886	-11.114	74.000	PEAK

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 : 2013/04/02 - 00:05**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n(40MHz)_2452MHz**

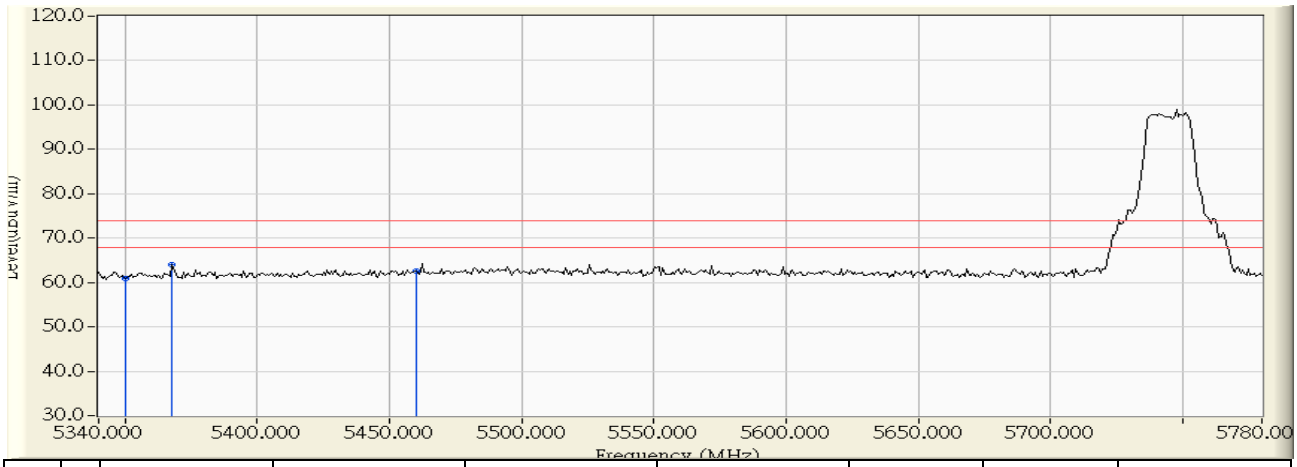


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	27.663	24.953	52.616	-1.384	54.000	AVERAGE
2		2483.667	27.664	24.838	52.501	-1.499	54.000	AVERAGE
3		2500.000	27.724	18.487	46.210	-7.790	54.000	AVERAGE

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 : 2013/04/29 - 20:33**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11a_CH149**

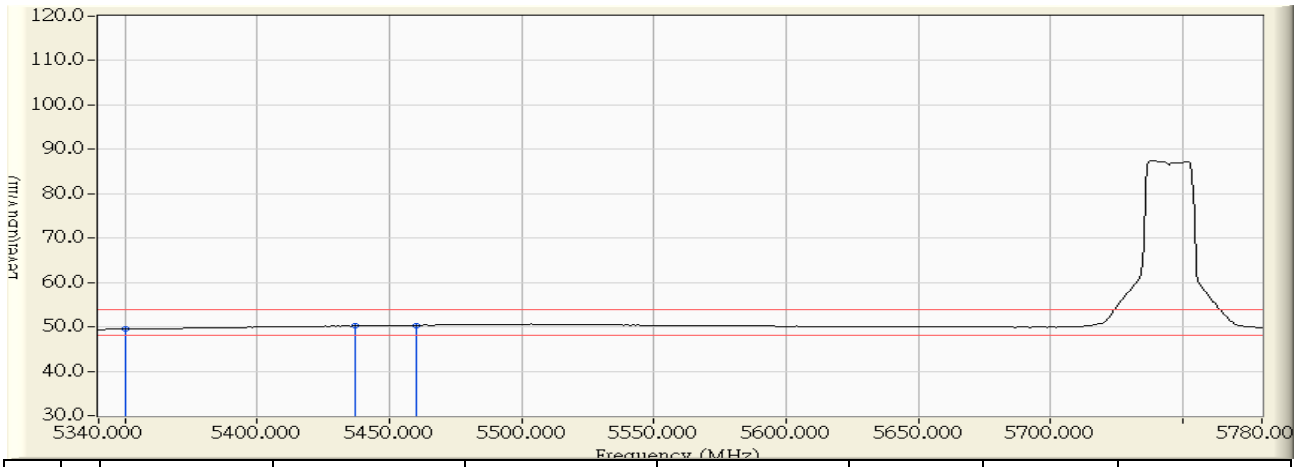


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	23.989	60.953	-13.047	74.000	PEAK
2	*	5367.867	37.107	26.950	64.057	-9.943	74.000	PEAK
3		5460.000	37.845	24.687	62.532	-11.468	74.000	PEAK

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 : 2013/04/29 - 20:34**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11a_CH149**

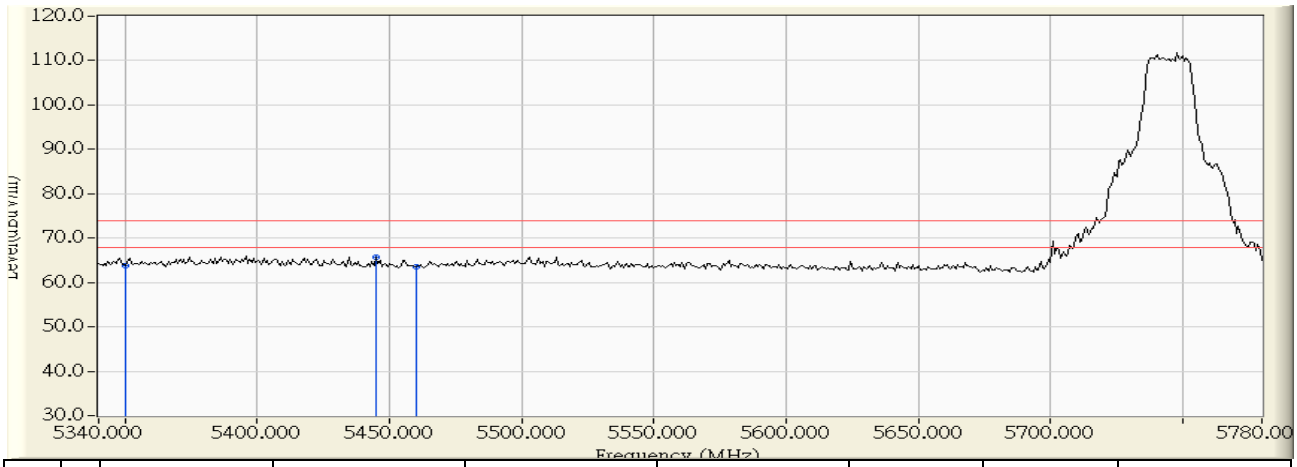


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	12.563	49.527	-4.473	54.000	AVERAGE
2		5436.800	37.659	12.492	50.151	-3.849	54.000	AVERAGE
3	*	5460.000	37.845	12.490	50.335	-3.665	54.000	AVERAGE

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 : 2013/04/29 - 20:37**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11a_CH149**

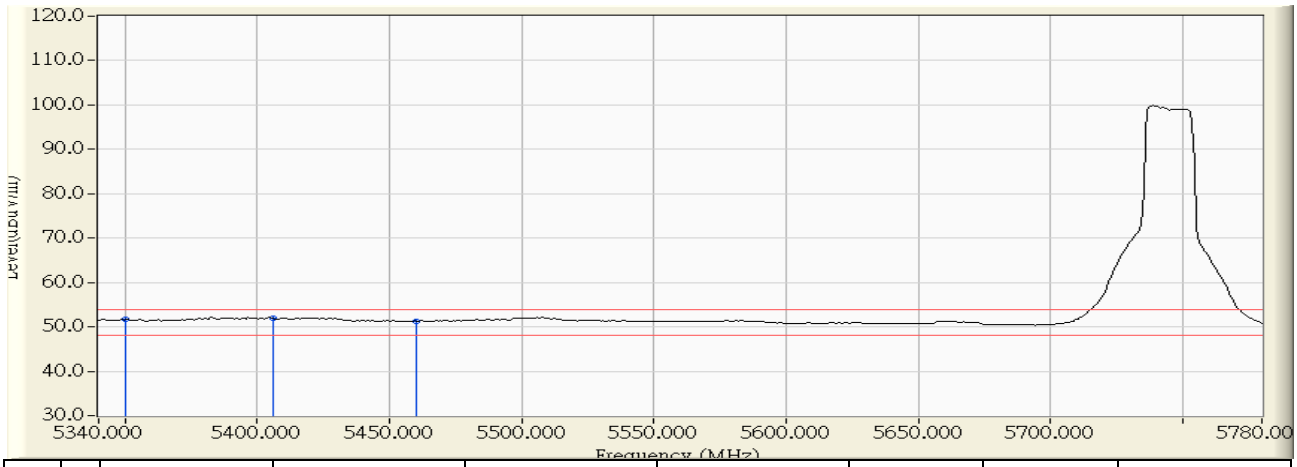


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	26.879	63.843	-10.157	74.000	PEAK
2	*	5444.867	37.724	27.868	65.592	-8.408	74.000	PEAK
3		5460.000	37.845	25.697	63.542	-10.458	74.000	PEAK

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 : 2013/04/29 - 20:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11a_CH149**

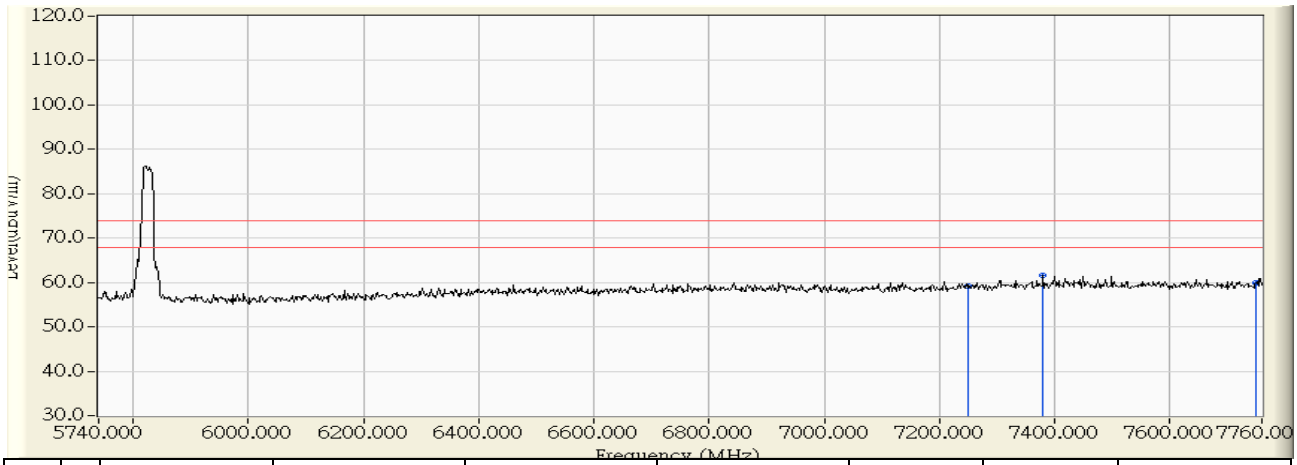


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	14.727	51.691	-2.309	54.000	AVERAGE
2	*	5406.000	37.412	14.551	51.963	-2.037	54.000	AVERAGE
3		5460.000	37.845	13.432	51.277	-2.723	54.000	AVERAGE

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 : 2013/05/02 - 09:59**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11a_CH165**

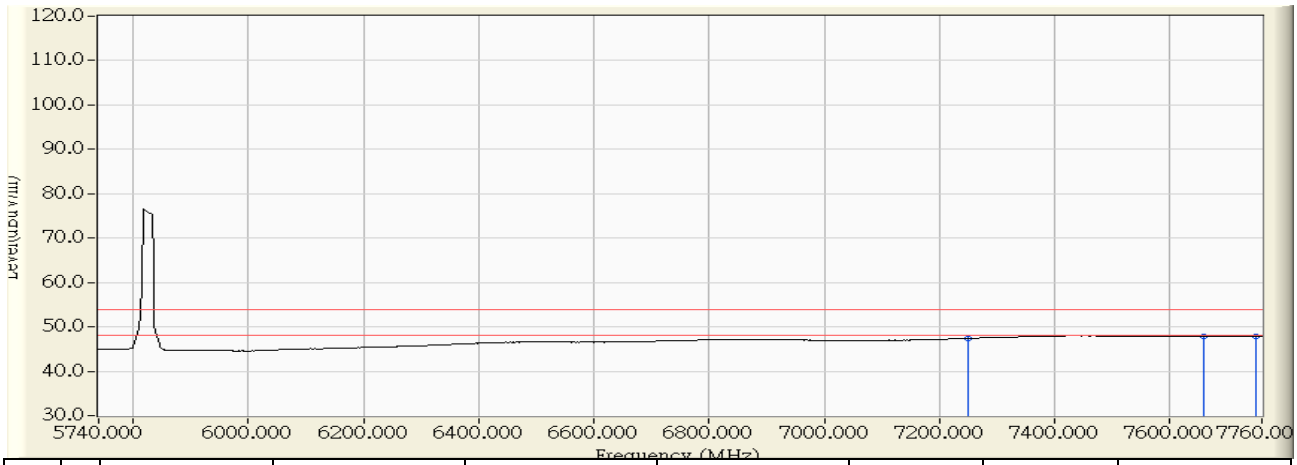


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	18.882	59.162	-14.838	74.000	PEAK
2	*	7380.240	40.620	21.066	61.686	-12.314	74.000	PEAK
3		7750.000	41.393	18.609	60.002	-13.998	74.000	PEAK

Note:

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

Site : CB1	**Time : 2013/05/02 - 09:58**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11a_CH165**

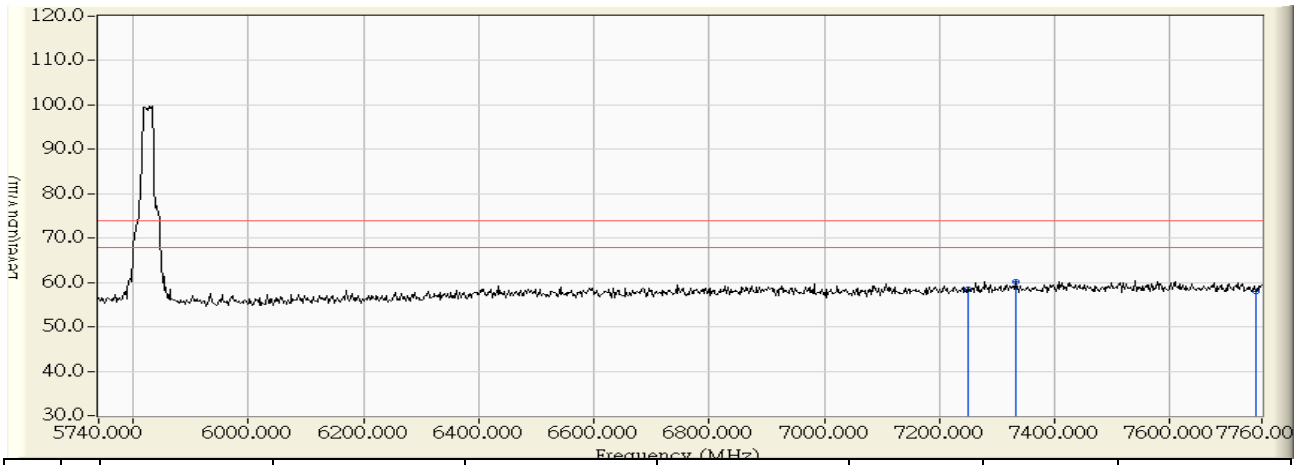


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	7.113	47.393	-6.607	54.000	AVERAGE
2		7659.000	41.226	6.588	47.814	-6.186	54.000	AVERAGE
3	*	7750.000	41.393	6.514	47.907	-6.093	54.000	AVERAGE

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 : 2013/05/02 - 10:03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11a_CH165**

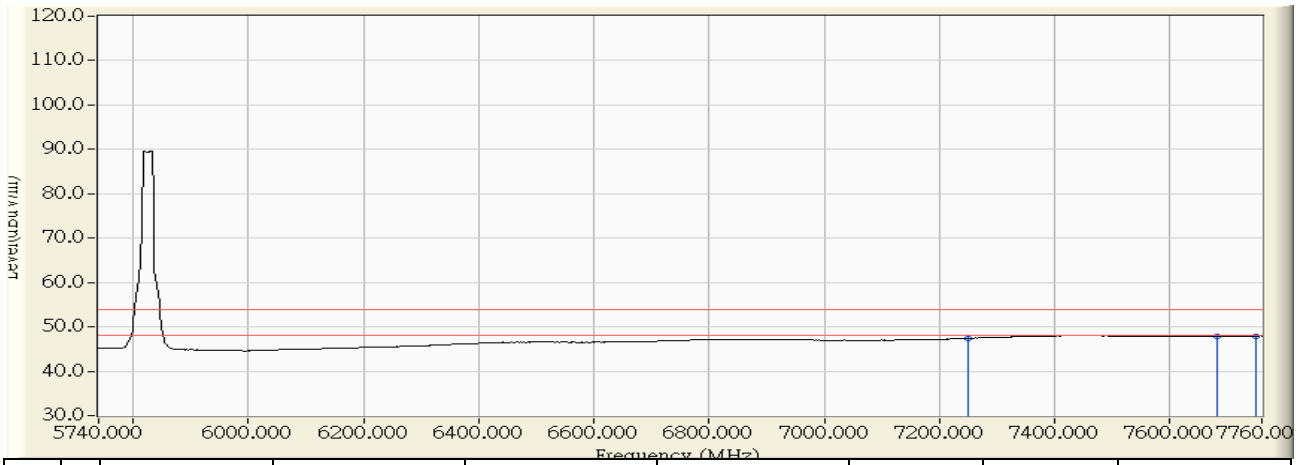


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	18.130	58.410	-15.590	74.000	PEAK
2	*	7331.760	40.494	19.787	60.281	-13.719	74.000	PEAK
3		7750.000	41.393	16.689	58.082	-15.918	74.000	PEAK

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 : 2013/05/02 - 10:07**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11a_CH165**

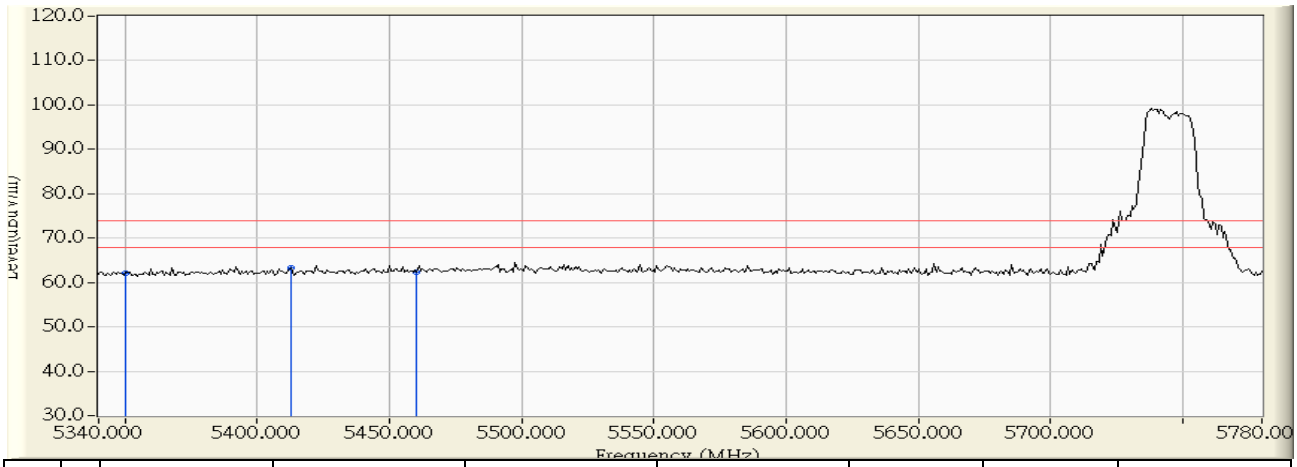


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	7.161	47.441	-6.559	54.000	AVERAGE
2		7681.220	41.266	6.580	47.847	-6.153	54.000	AVERAGE
3	*	7750.000	41.393	6.581	47.974	-6.026	54.000	AVERAGE

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 : 2013/04/29 - 20:41**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 20MHz_CH149**

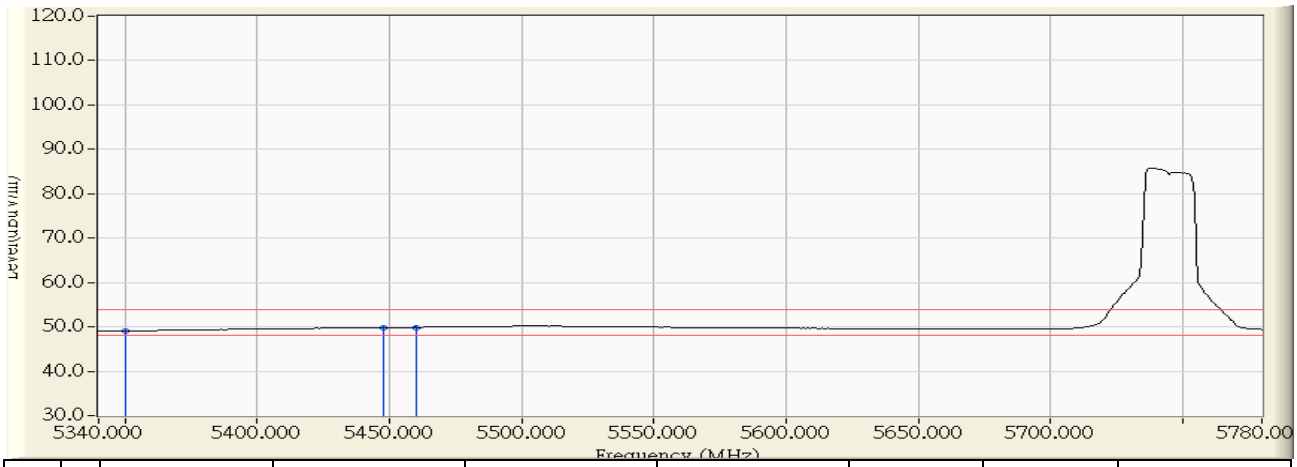


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	25.152	62.116	-11.884	74.000	PEAK
2	*	5412.600	37.465	25.726	63.191	-10.809	74.000	PEAK
3		5460.000	37.845	24.602	62.447	-11.553	74.000	PEAK

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 : 2013/04/29 - 20:44**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 20MHz_CH149**

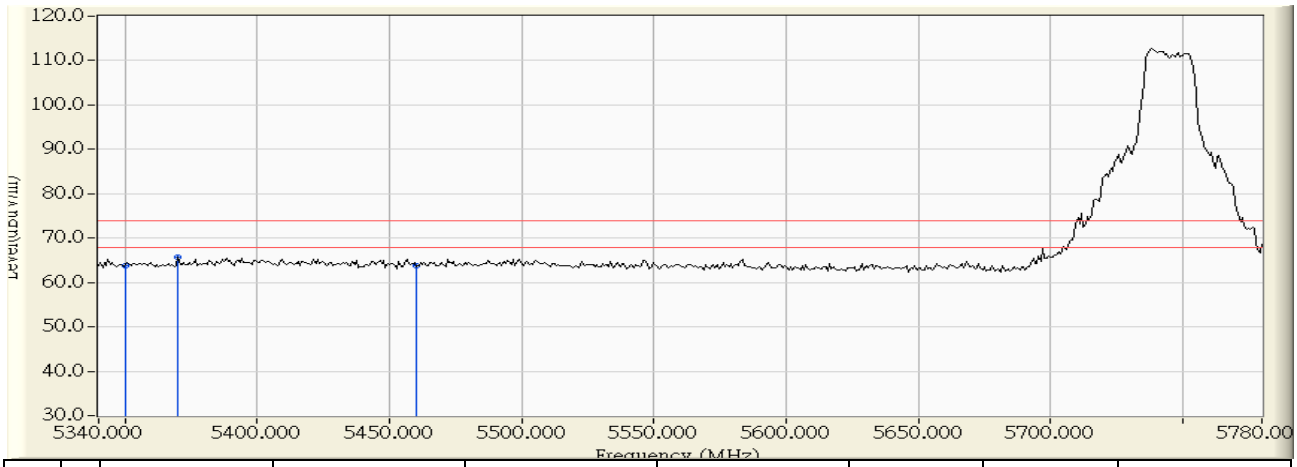


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	12.134	49.098	-4.902	54.000	AVERAGE
2		5447.800	37.748	12.047	49.794	-4.206	54.000	AVERAGE
3	*	5460.000	37.845	12.045	49.890	-4.110	54.000	AVERAGE

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 : 2013/04/29 - 20:46**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 20MHz_CH149**

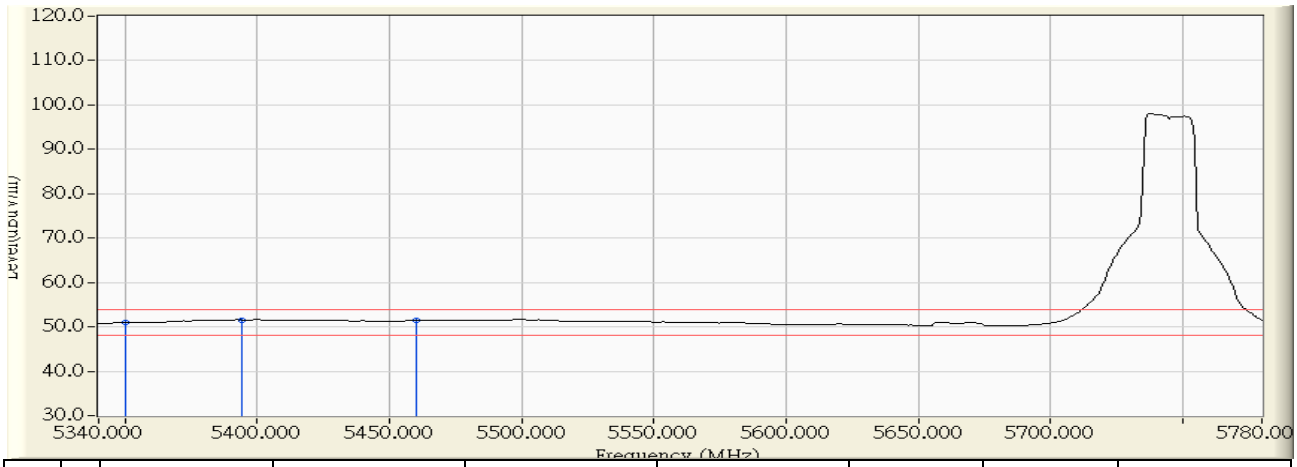


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	26.887	63.851	-10.149	74.000	PEAK
2	*	5370.067	37.124	28.548	65.672	-8.328	74.000	PEAK
3		5460.000	37.845	25.979	63.824	-10.176	74.000	PEAK

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 : 2013/04/29 - 20:49**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 20MHz_CH149**

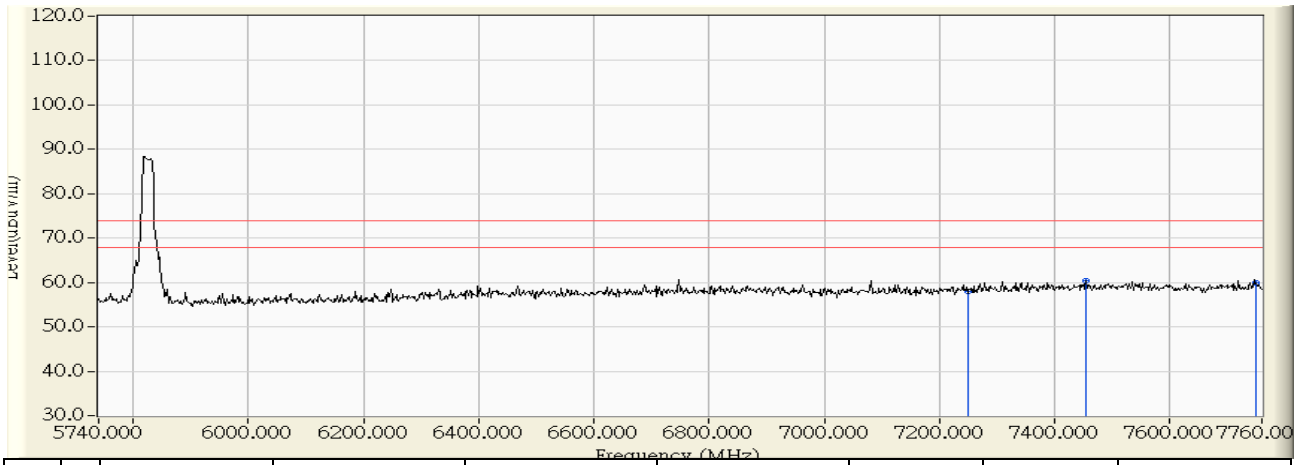


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	14.052	51.016	-2.984	54.000	AVERAGE
2	*	5394.267	37.319	14.266	51.584	-2.416	54.000	AVERAGE
3		5460.000	37.845	13.539	51.384	-2.616	54.000	AVERAGE

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 : 2013/05/02 - 10:13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 20MHz_CH165**

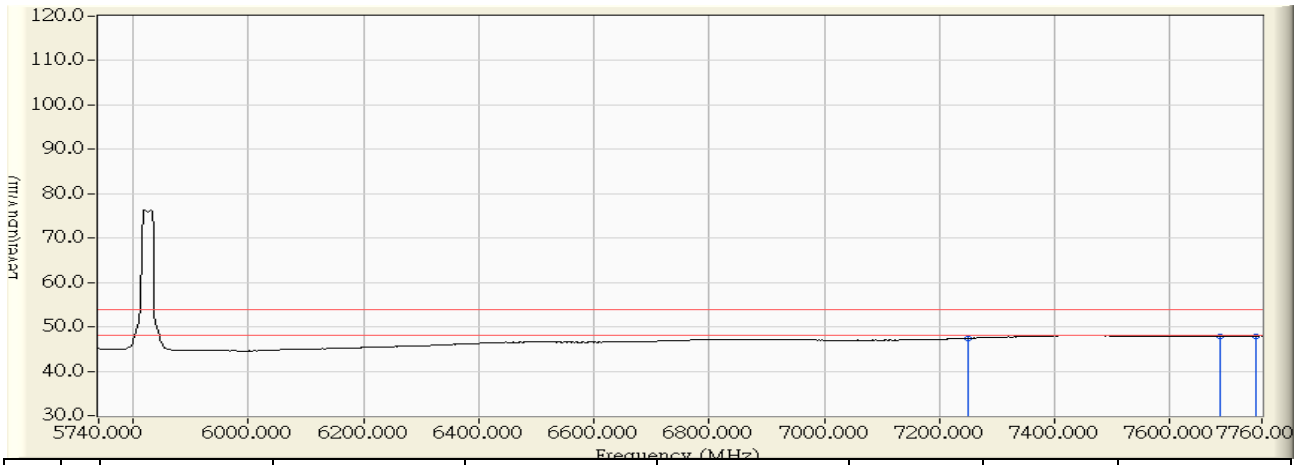


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	17.786	58.066	-15.934	74.000	PEAK
2	*	7454.980	40.816	19.704	60.520	-13.480	74.000	PEAK
3		7750.000	41.393	18.528	59.921	-14.079	74.000	PEAK

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 : 2013/05/02 - 10:16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 20MHz_CH165**

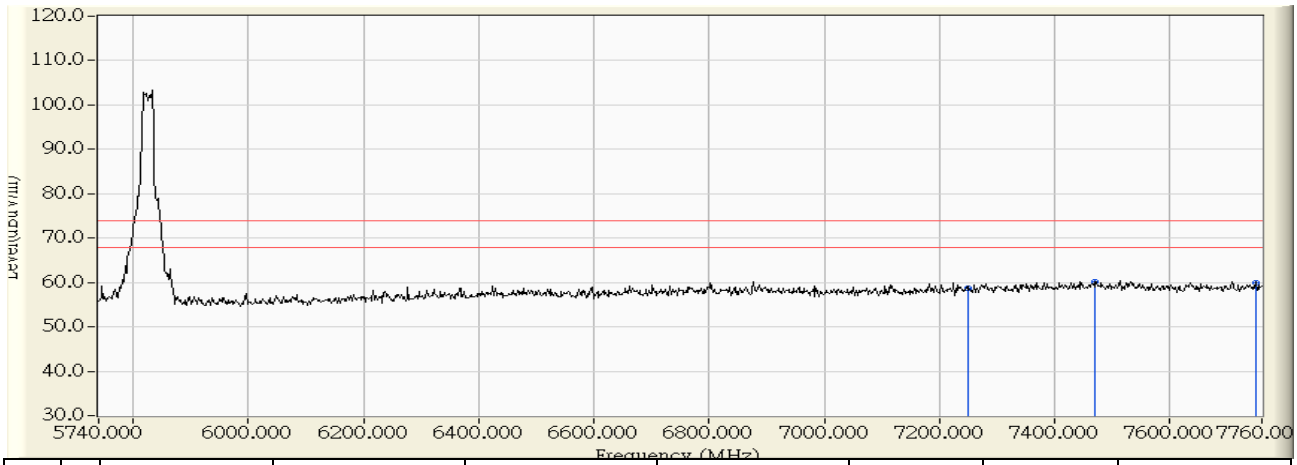


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	7.162	47.442	-6.558	54.000	AVERAGE
2		7687.280	41.278	6.594	47.872	-6.128	54.000	AVERAGE
3	*	7750.000	41.393	6.561	47.954	-6.046	54.000	AVERAGE

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 : 2013/05/02 - 10:20**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 20MHz_CH165**

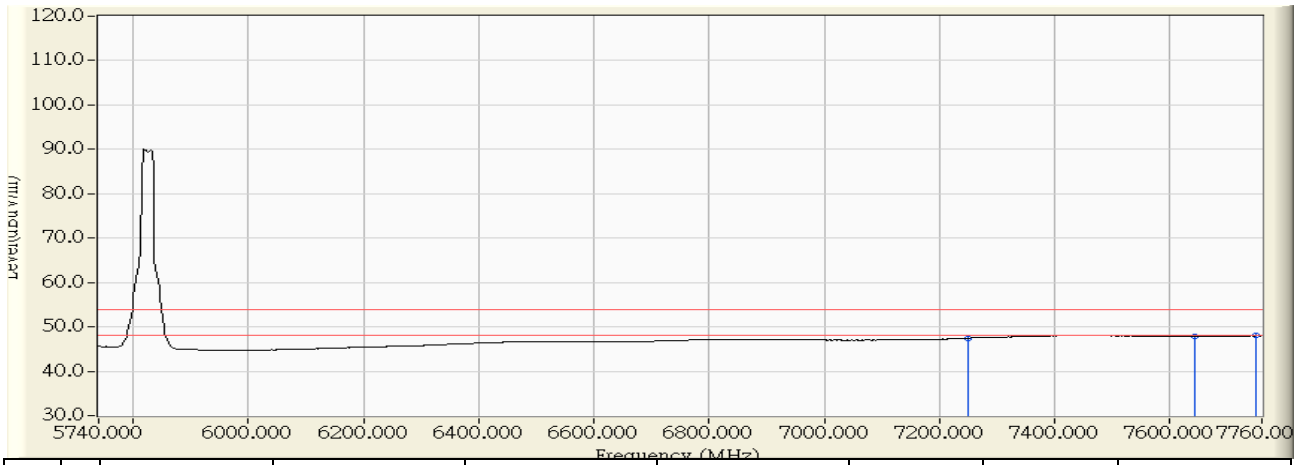


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	18.316	58.596	-15.404	74.000	PEAK
2	*	7469.120	40.852	19.336	60.189	-13.811	74.000	PEAK
3		7750.000	41.393	18.591	59.984	-14.016	74.000	PEAK

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 : 2013/05/02 - 10:25**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 20MHz_CH165**

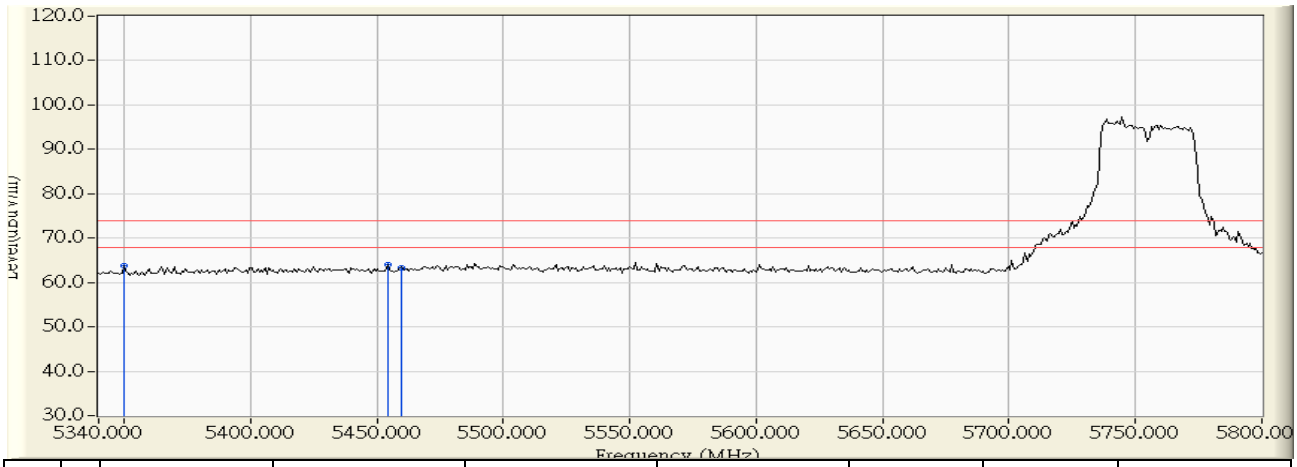


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	7.159	47.439	-6.561	54.000	AVERAGE
2		7642.840	41.196	6.663	47.859	-6.141	54.000	AVERAGE
3	*	7750.000	41.393	6.604	47.997	-6.003	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2013/04/29 - 20:56**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 40MHz_CH151**

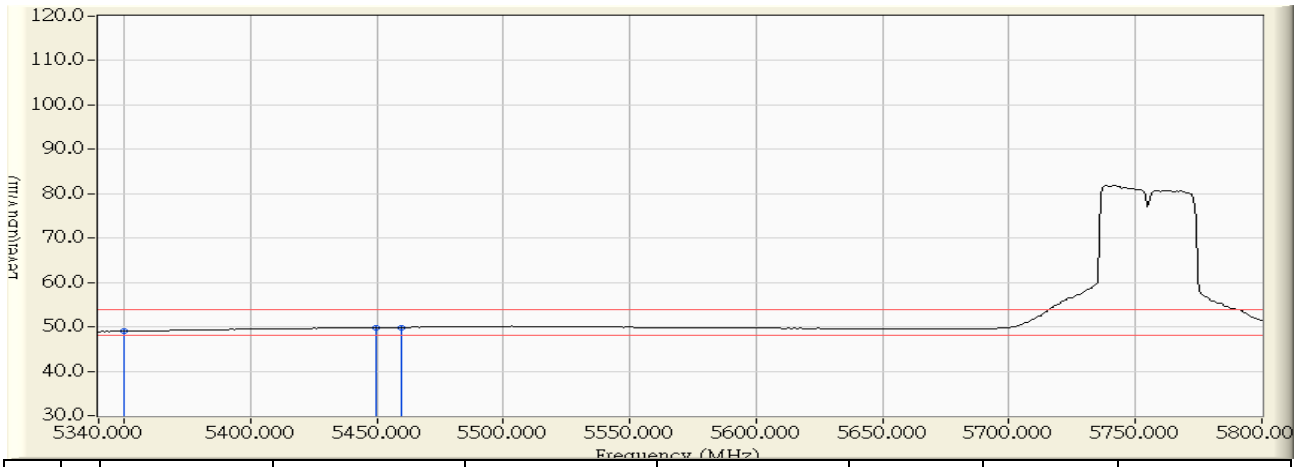


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	26.764	63.728	-10.272	74.000	PEAK
2	*	5454.233	37.799	26.279	64.078	-9.922	74.000	PEAK
3		5460.000	37.845	25.551	63.396	-10.604	74.000	PEAK

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 : 2013/04/29 - 20:58**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 40MHz_CH151**

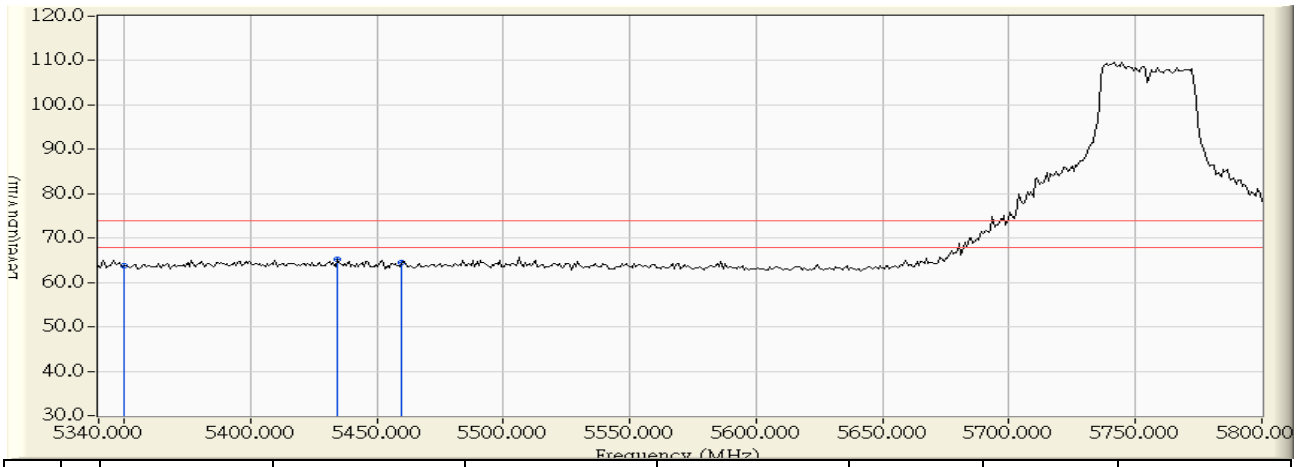


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	12.076	49.040	-4.960	54.000	AVERAGE
2		5449.633	37.762	12.020	49.782	-4.218	54.000	AVERAGE
3	*	5460.000	37.845	12.028	49.873	-4.127	54.000	AVERAGE

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 : 2013/04/29 - 21:01**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 40MHz_CH151**

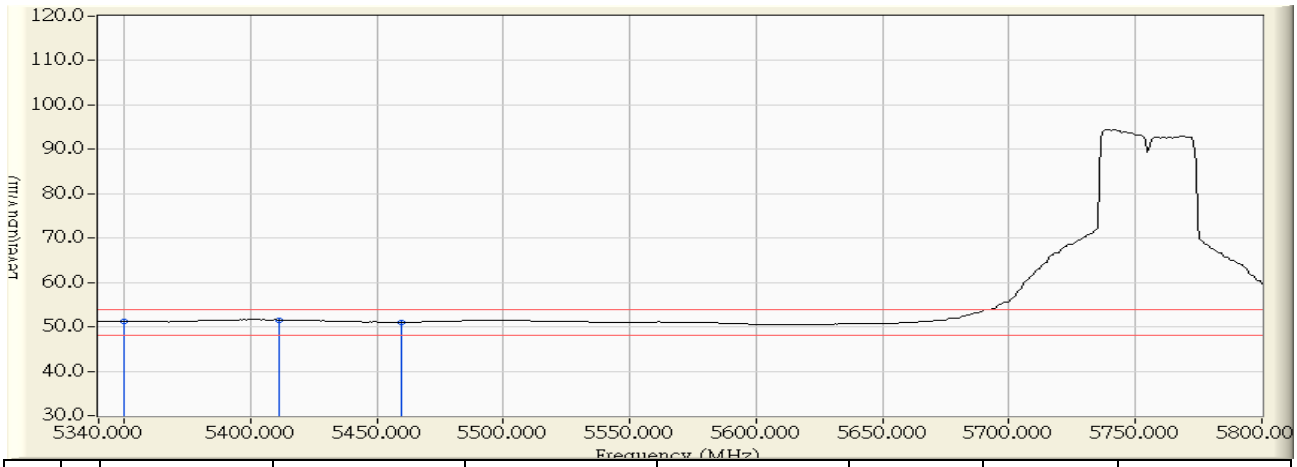


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	26.906	63.870	-10.130	74.000	PEAK
2	*	5434.300	37.639	27.560	65.199	-8.801	74.000	PEAK
3		5460.000	37.845	26.546	64.391	-9.609	74.000	PEAK

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 : 2013/04/29 - 21:04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 40MHz_CH151**

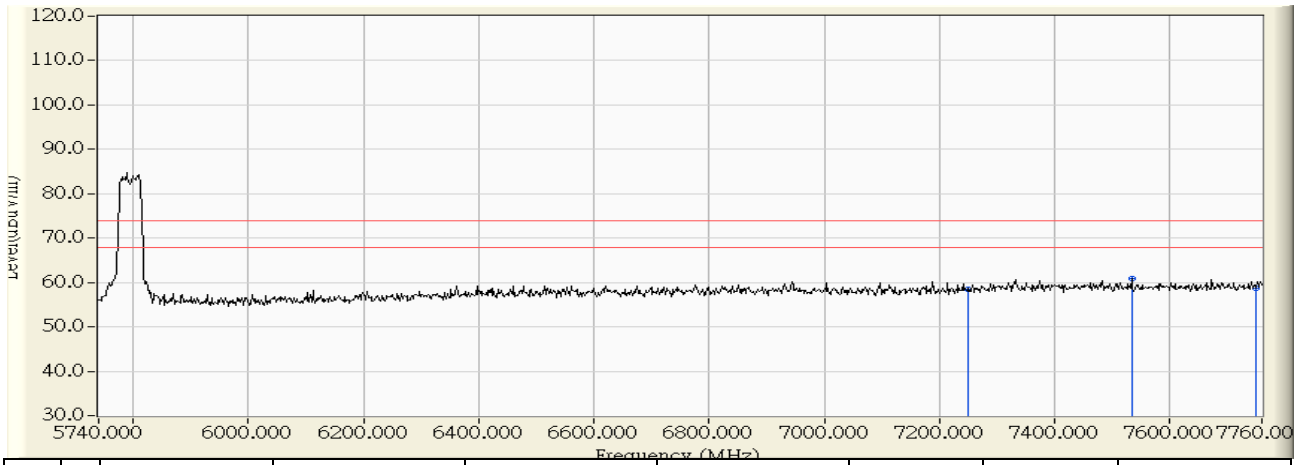


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	36.964	14.223	51.187	-2.813	54.000	AVERAGE
2	*	5411.300	37.455	14.124	51.579	-2.421	54.000	AVERAGE
3		5460.000	37.845	13.217	51.062	-2.938	54.000	AVERAGE

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 : 2013/05/02 - 10:41**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 40MHz_CH159**

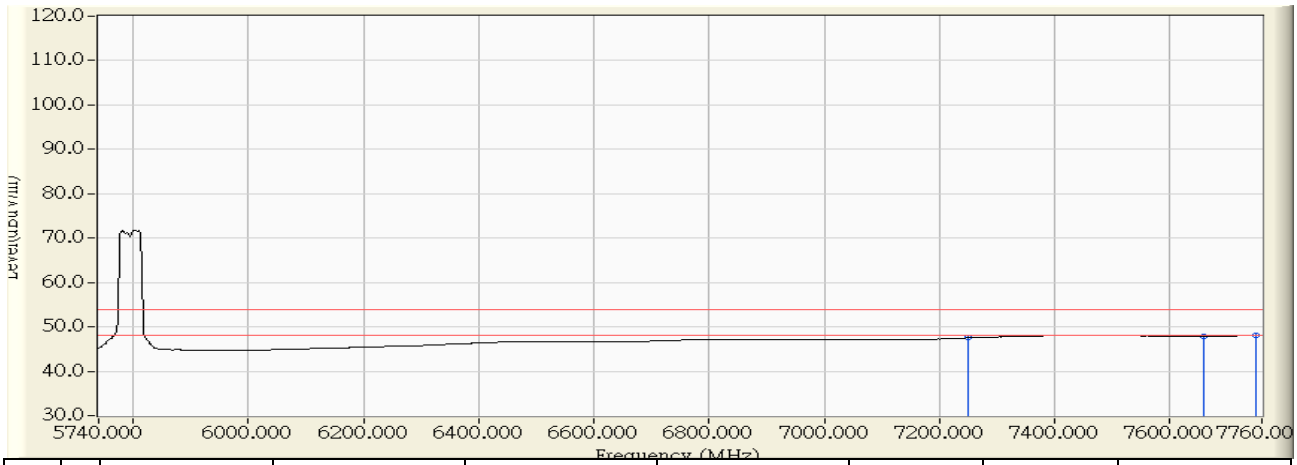


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	18.081	58.361	-15.639	74.000	PEAK
2	*	7533.760	40.996	19.818	60.814	-13.186	74.000	PEAK
3		7750.000	41.393	17.394	58.787	-15.213	74.000	PEAK

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 : 2013/05/02 - 10:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 40MHz_CH159**

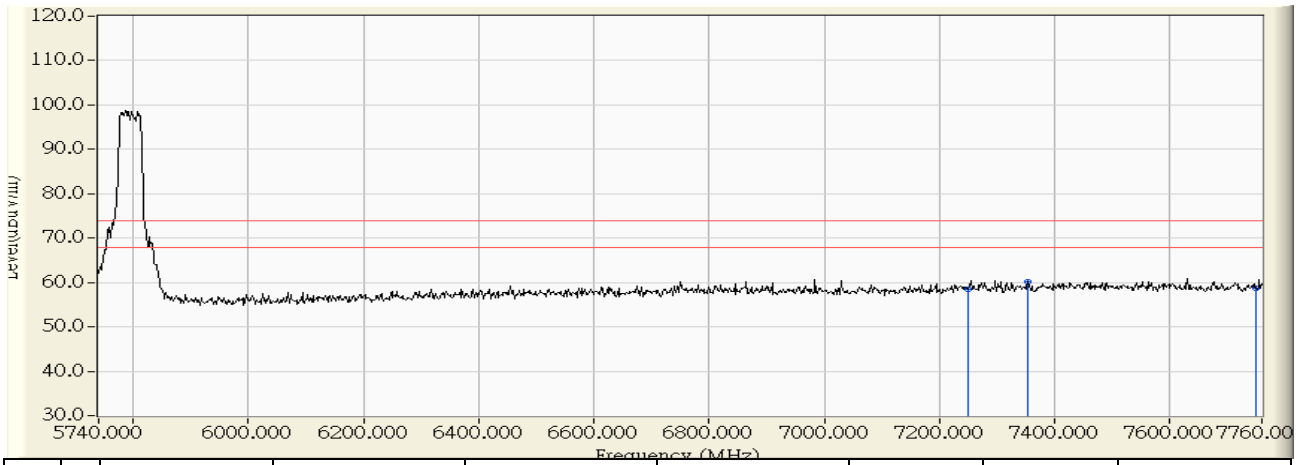


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	7.222	47.502	-6.498	54.000	AVERAGE
2		7659.000	41.226	6.669	47.895	-6.105	54.000	AVERAGE
3	*	7750.000	41.393	6.620	48.013	-5.987	54.000	AVERAGE

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 : 2013/05/02 - 10:59**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 40MHz_CH159**

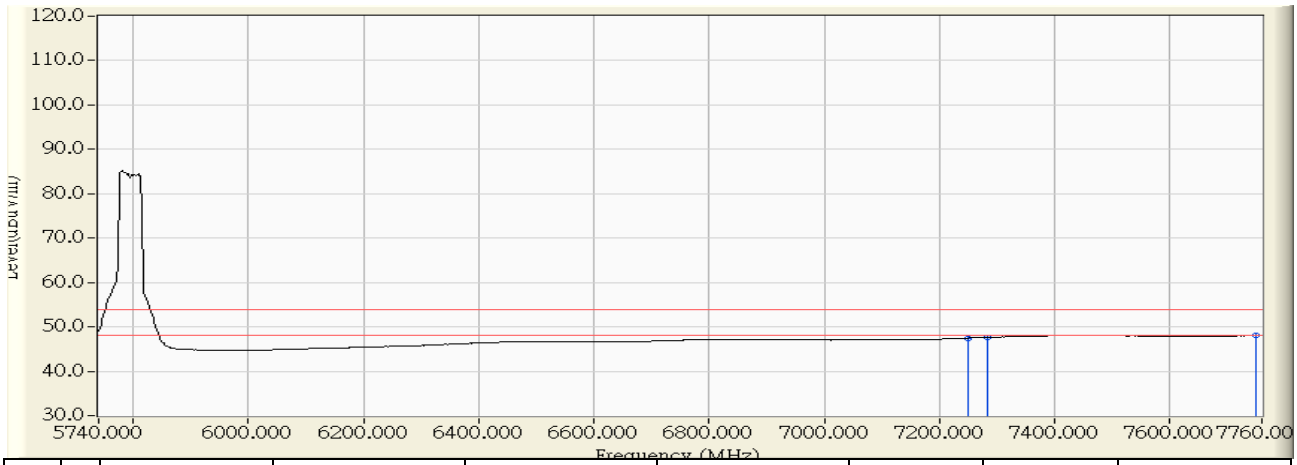


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	18.308	58.588	-15.412	74.000	PEAK
2	*	7353.980	40.552	19.682	60.234	-13.766	74.000	PEAK
3		7750.000	41.393	17.364	58.757	-15.243	74.000	PEAK

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 : 2013/05/02 - 11:03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V ±5% from host equipment**
EUT : 11N Wireless LAN CARD	**Note : 802.11n 40MHz_CH159**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7250.000	40.280	7.206	47.486	-6.514	54.000	AVERAGE
2		7283.280	40.368	7.260	47.627	-6.373	54.000	AVERAGE
3	*	7750.000	41.393	6.634	48.027	-5.973	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

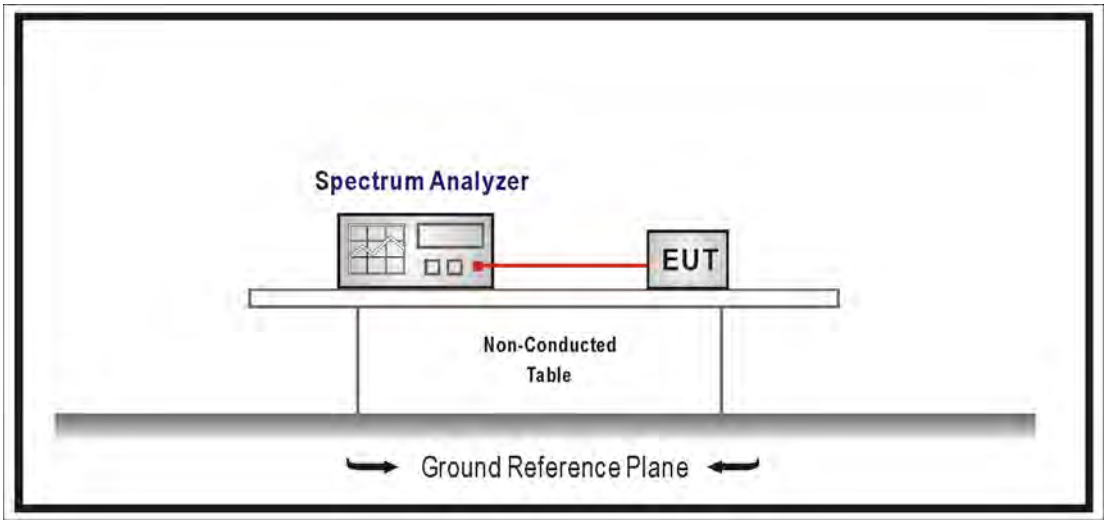
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
EXA Signal Analyzer	Agilent	N9010A-EXA	US47140172	2013/07/31

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 of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

7.6. Uncertainty

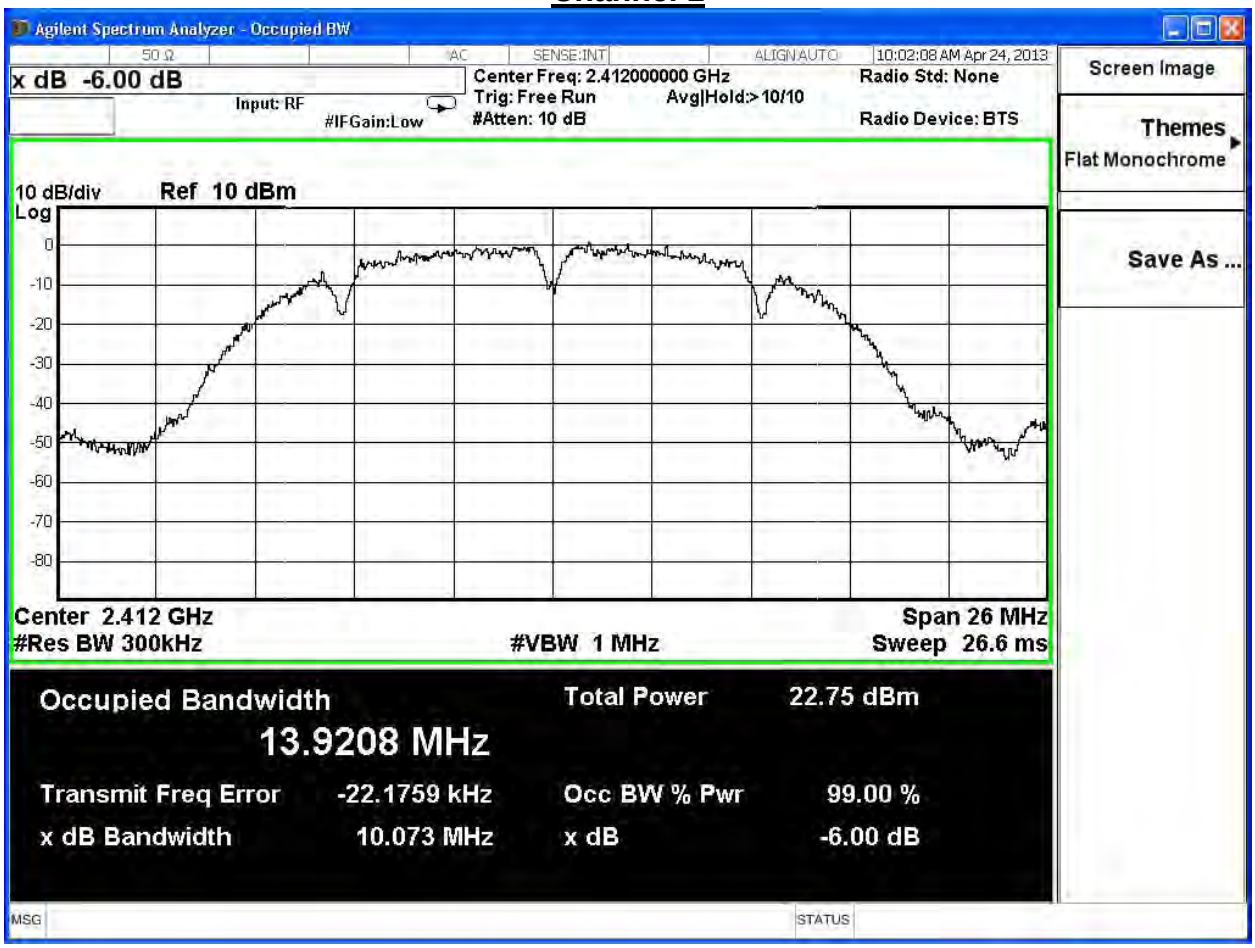
The measurement uncertainty is defined as ±150Hz

7.7. Test Result

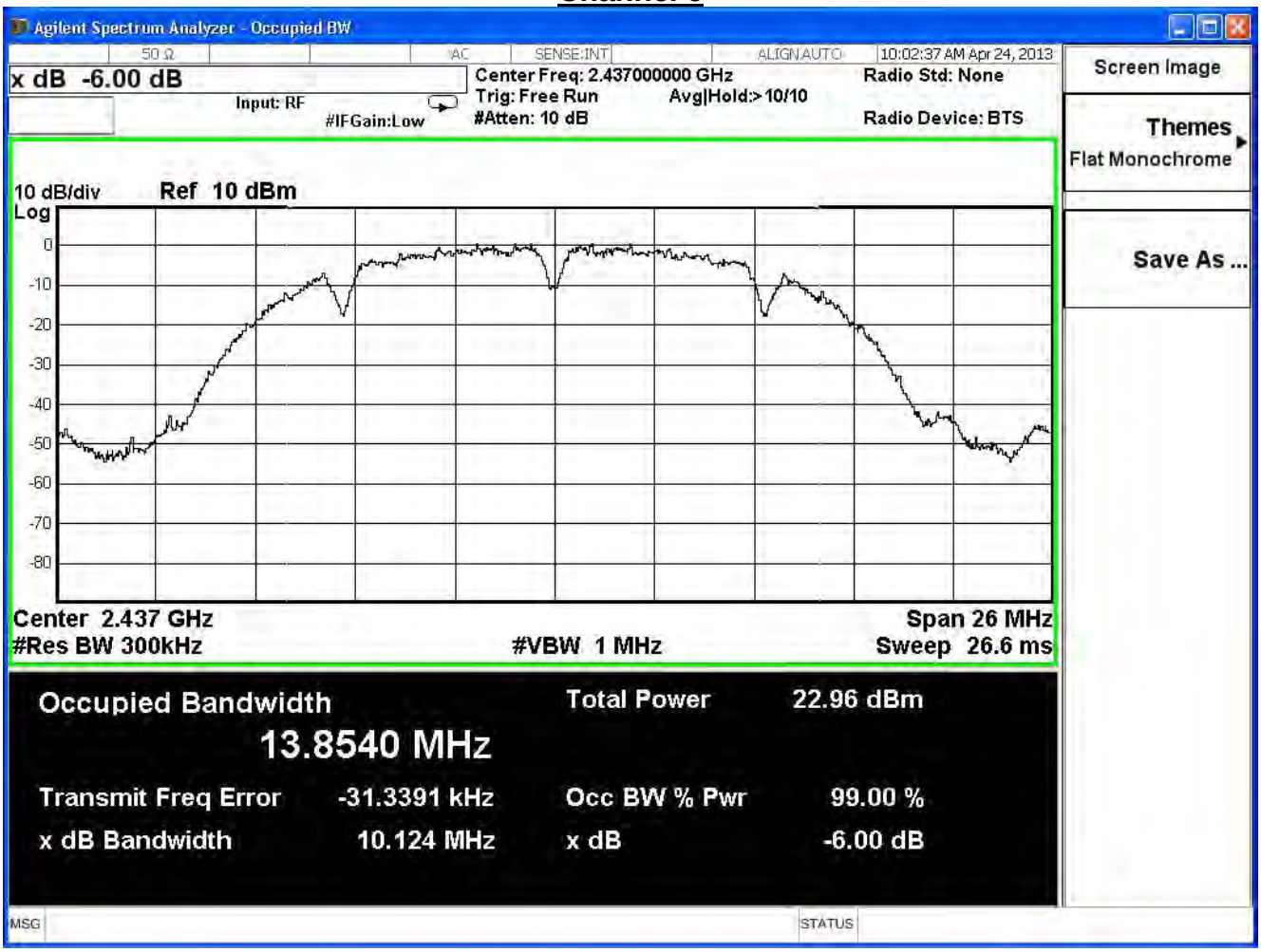
Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/04/24	Test Site	SR7

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	10.073	≧0.5	Pass
6	2437	10.124	≧0.5	Pass
11	2462	10.057	≧0.5	Pass

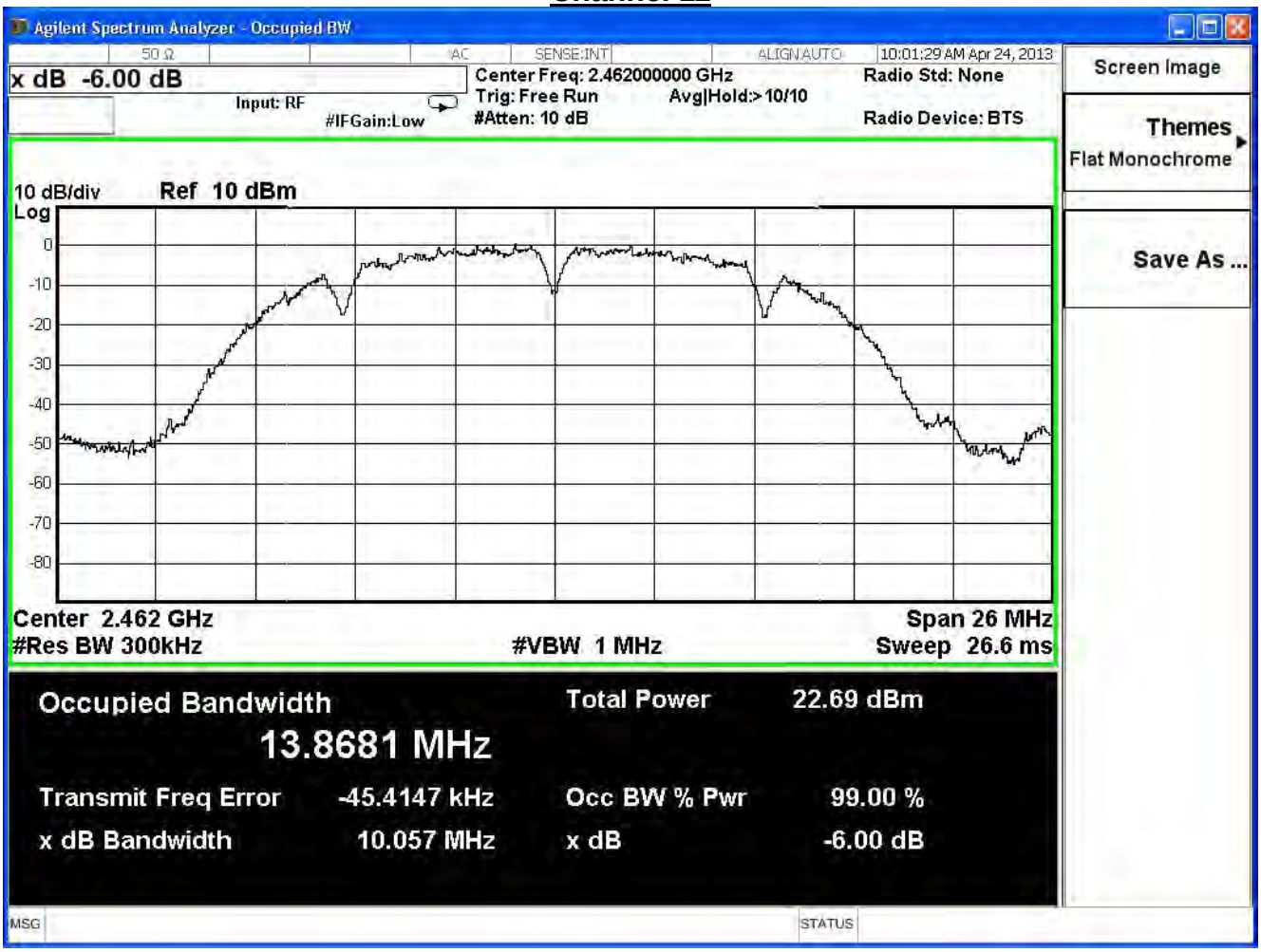
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:02:37 AM Apr 24, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 10 dBm
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.437 GHz
#Res BW 300kHz
#VBW 1 MHz
Span 26 MHz
Sweep 26.6 ms
Occupied Bandwidth
13.8540 MHz
Total Power
22.96 dBm
Transmit Freq Error
-31.3391 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
10.124 MHz
x dB
-6.00 dB
MSG
STATUS

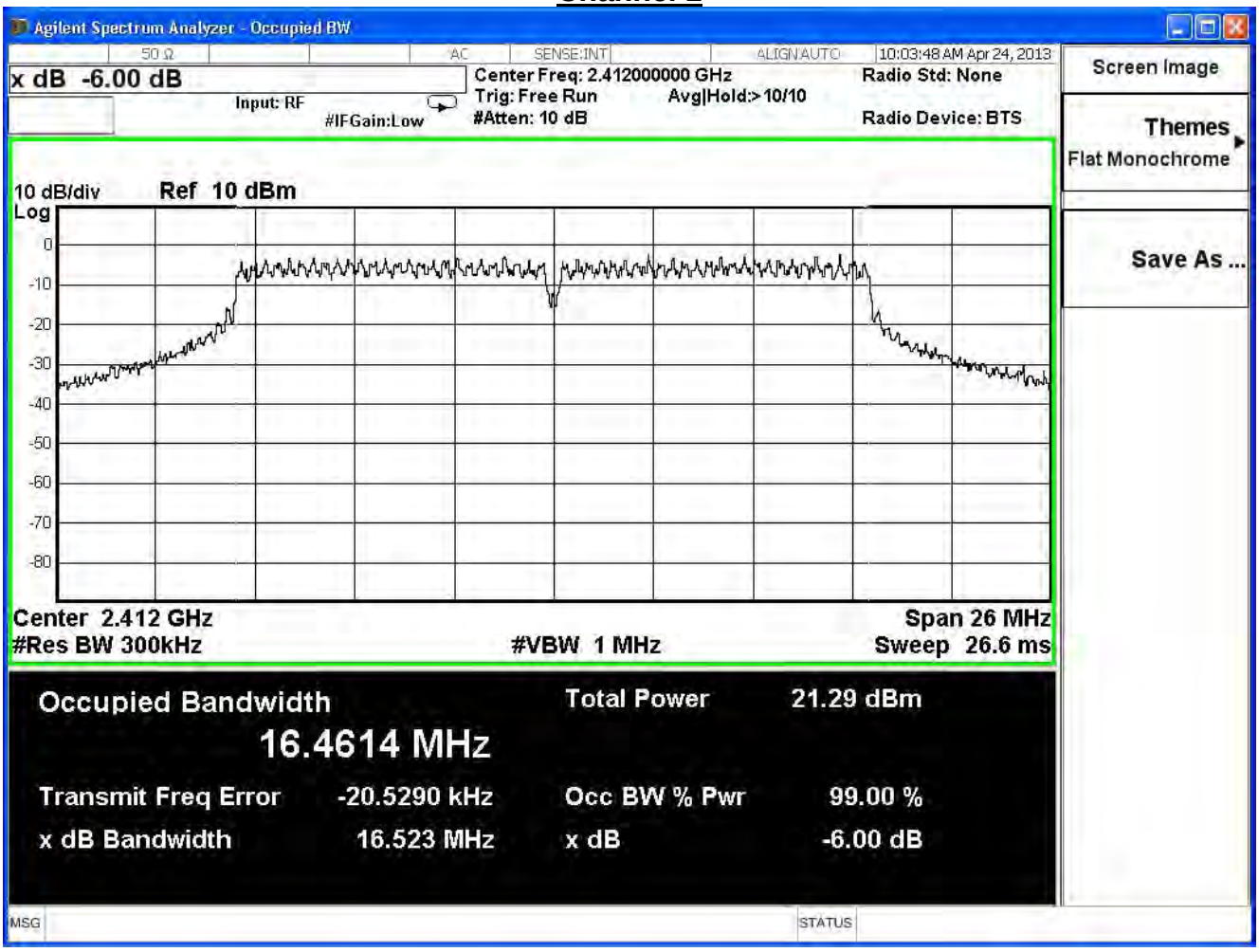
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:01:29 AM Apr 24, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 10 dBm
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.462 GHz
#Res BW 300kHz
#VBW 1 MHz
Span 26 MHz
Sweep 26.6 ms
Occupied Bandwidth
13.8681 MHz
Total Power
22.69 dBm
Transmit Freq Error
-45.4147 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
10.057 MHz
x dB
-6.00 dB
MSG
STATUS

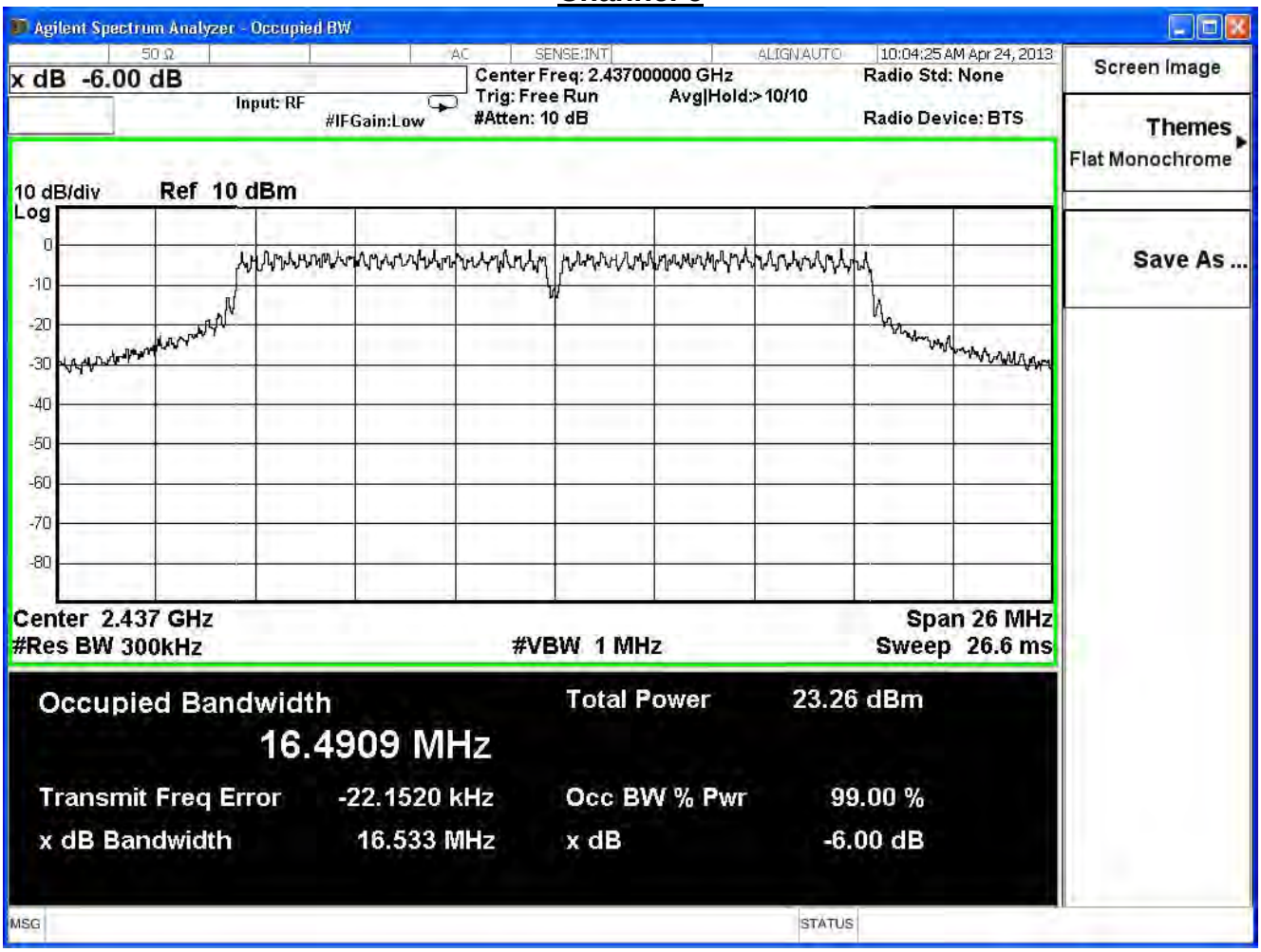
Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/04/24	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	16.523	≧0.5	Pass
6	2437	16.533	≧0.5	Pass
11	2462	16.464	≧0.5	Pass

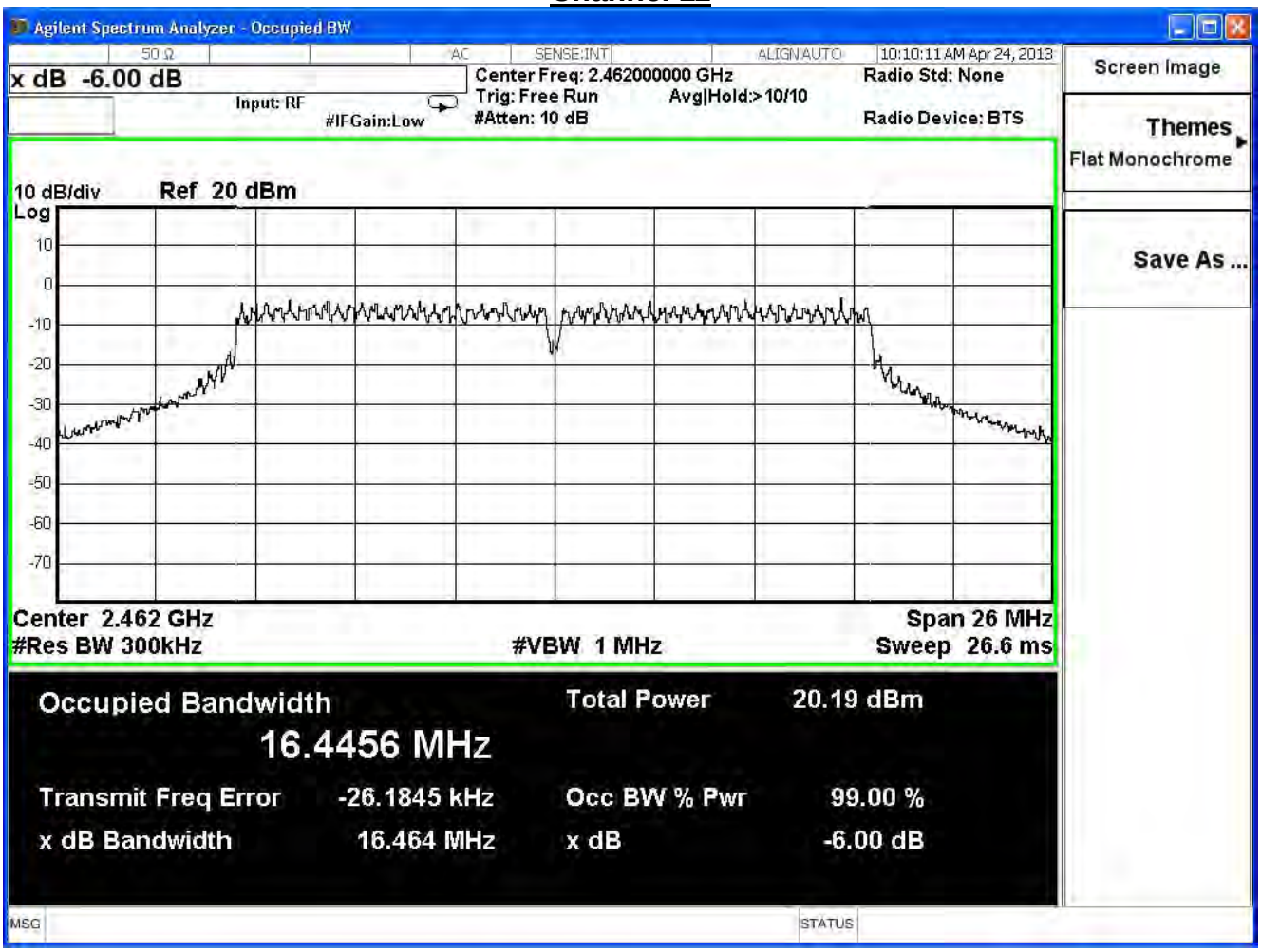
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:04:25 AM Apr 24, 2013
x dB -6.00 dB
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 10 dB
Input: RF
#IFGain:Low
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 10 dBm
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.437 GHz
#Res BW 300kHz
#VBW 1 MHz
Span 26 MHz
Sweep 26.6 ms
Occupied Bandwidth
16.4909 MHz
Total Power
23.26 dBm
Transmit Freq Error
-22.1520 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
16.533 MHz
x dB
-6.00 dB
MSG
STATUS

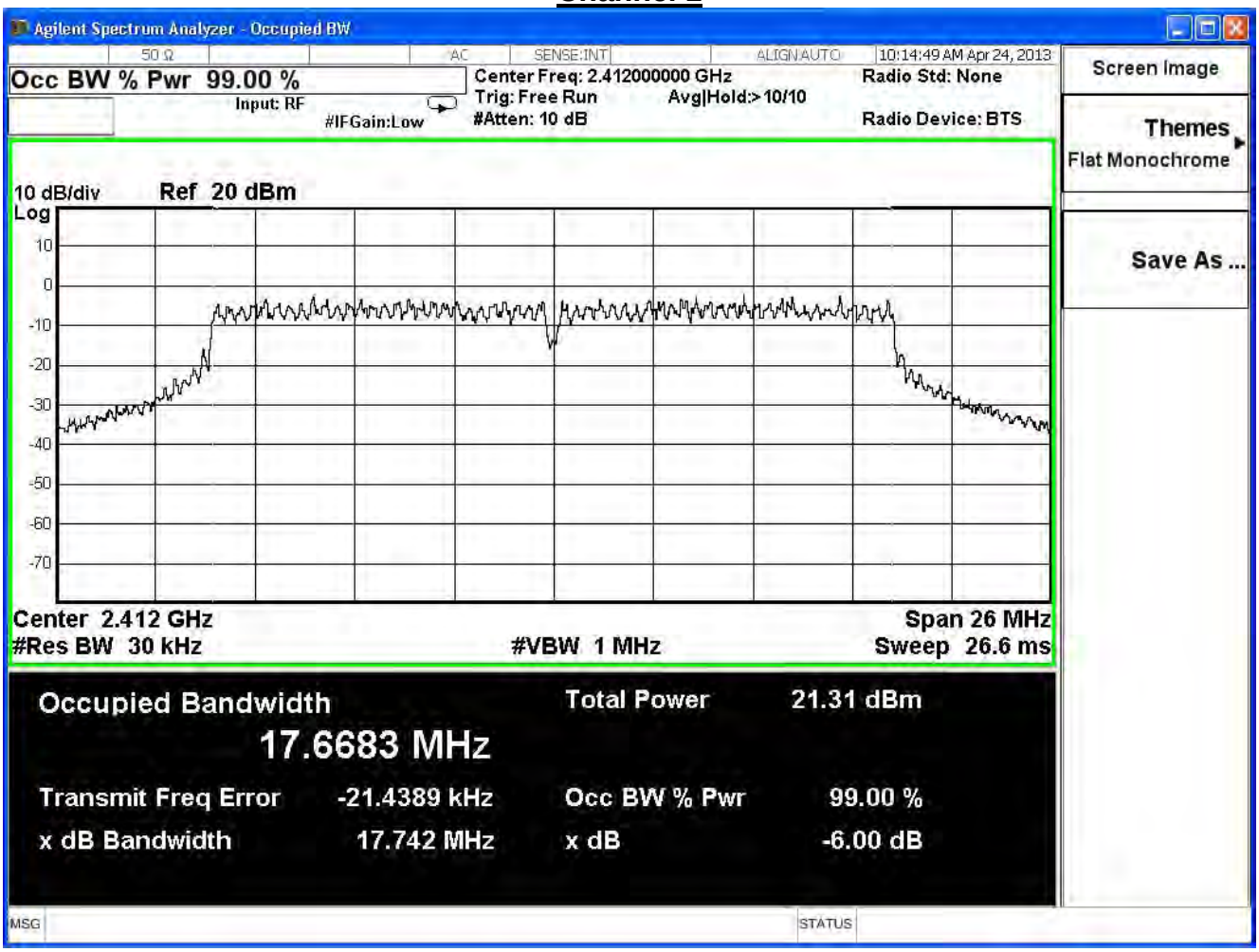
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:10:11 AM Apr 24, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.462 GHz
#Res BW 300kHz
#VBW 1 MHz
Span 26 MHz
Sweep 26.6 ms
Occupied Bandwidth
16.4456 MHz
Total Power
20.19 dBm
Transmit Freq Error
-26.1845 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
16.464 MHz
x dB
-6.00 dB
MSG
STATUS

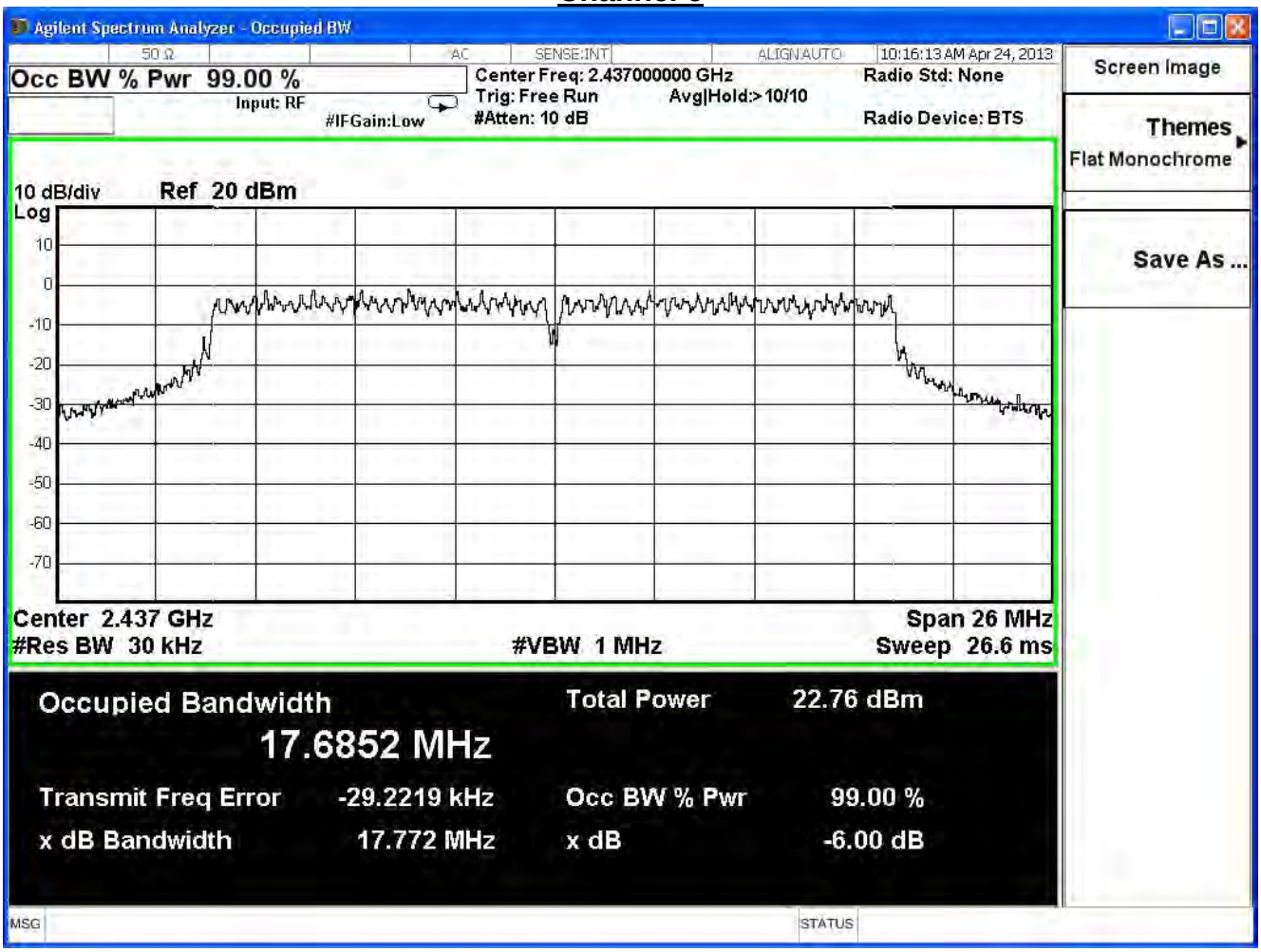
Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/04/24	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	17.742	≧0.5	Pass
6	2437	17.772	≧0.5	Pass
11	2462	17.780	≧0.5	Pass

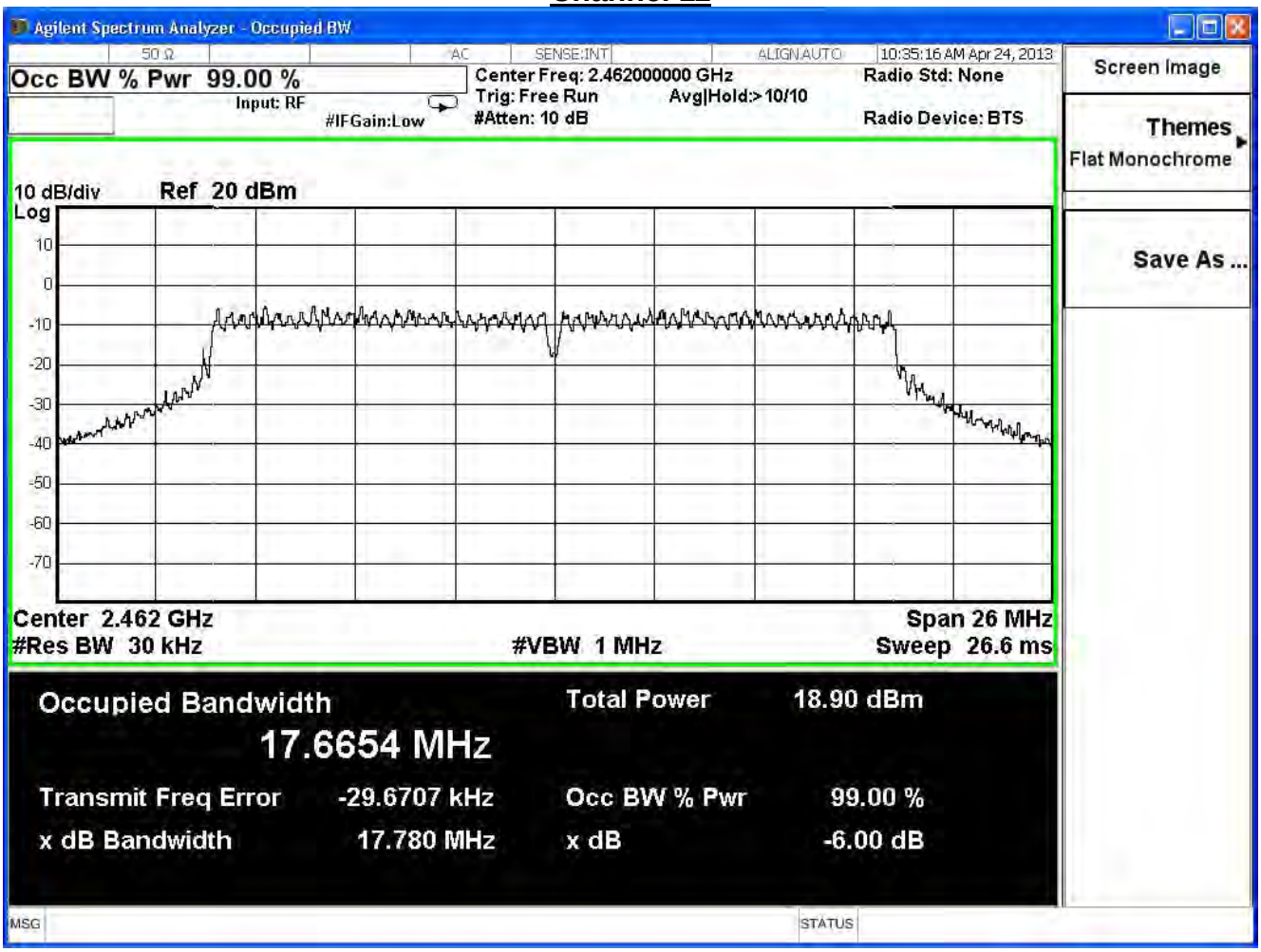
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:16:13 AM Apr 24, 2013
Occ BW % Pwr 99.00 %
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.437 GHz
#Res BW 30 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 26.6 ms
Occupied Bandwidth
17.6852 MHz
Total Power
22.76 dBm
Transmit Freq Error
-29.2219 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
17.772 MHz
x dB
-6.00 dB
MSG
STATUS

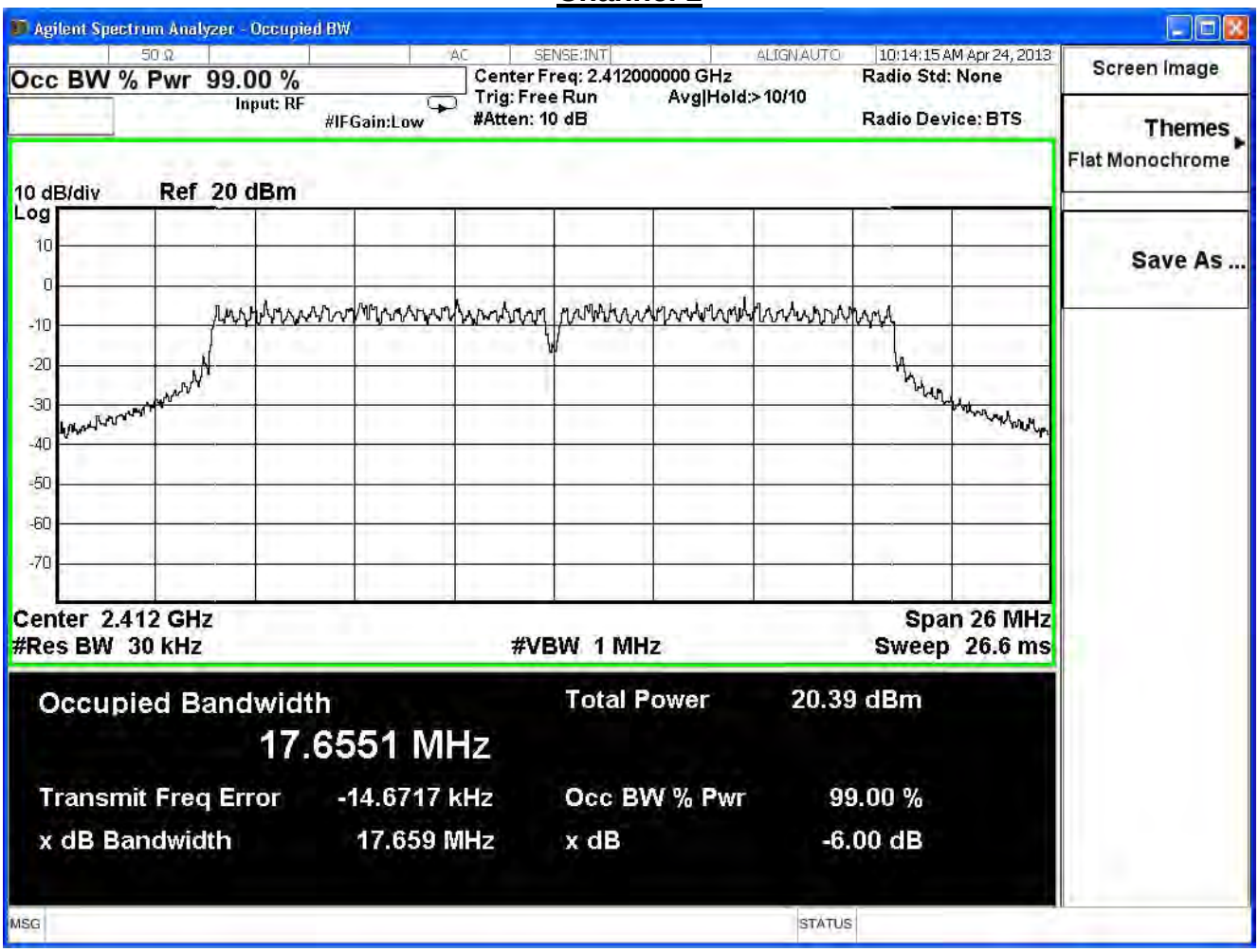
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:35:16 AM Apr 24, 2013
Occ BW % Pwr 99.00 %
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.462 GHz
#Res BW 30 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 26.6 ms
Occupied Bandwidth
17.6654 MHz
Total Power
18.90 dBm
Transmit Freq Error
-29.6707 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
17.780 MHz
x dB
-6.00 dB
MSG
STATUS

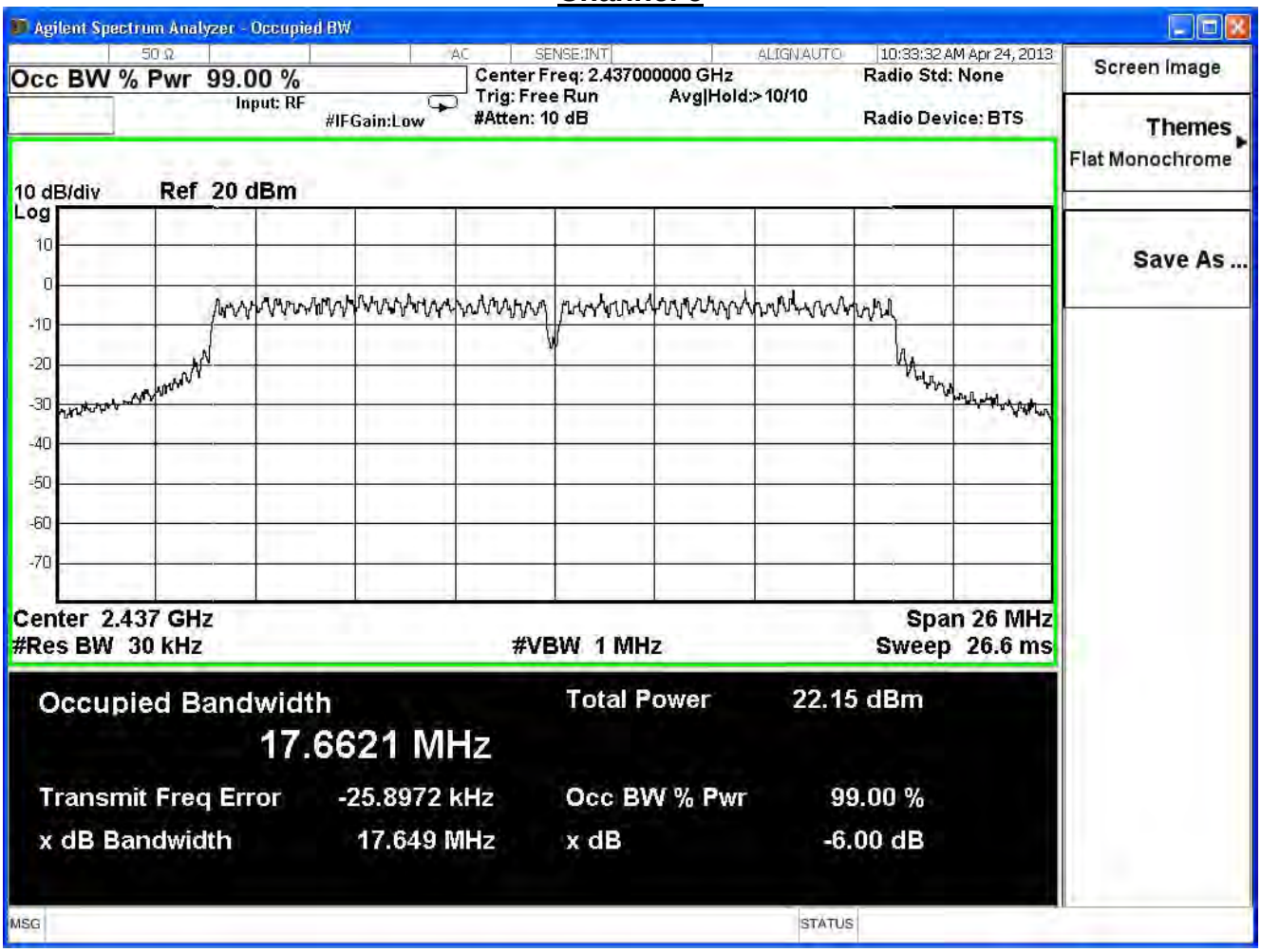
Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/04/24	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	17.659	≧0.5	Pass
6	2437	17.649	≧0.5	Pass
11	2462	17.747	≧0.5	Pass

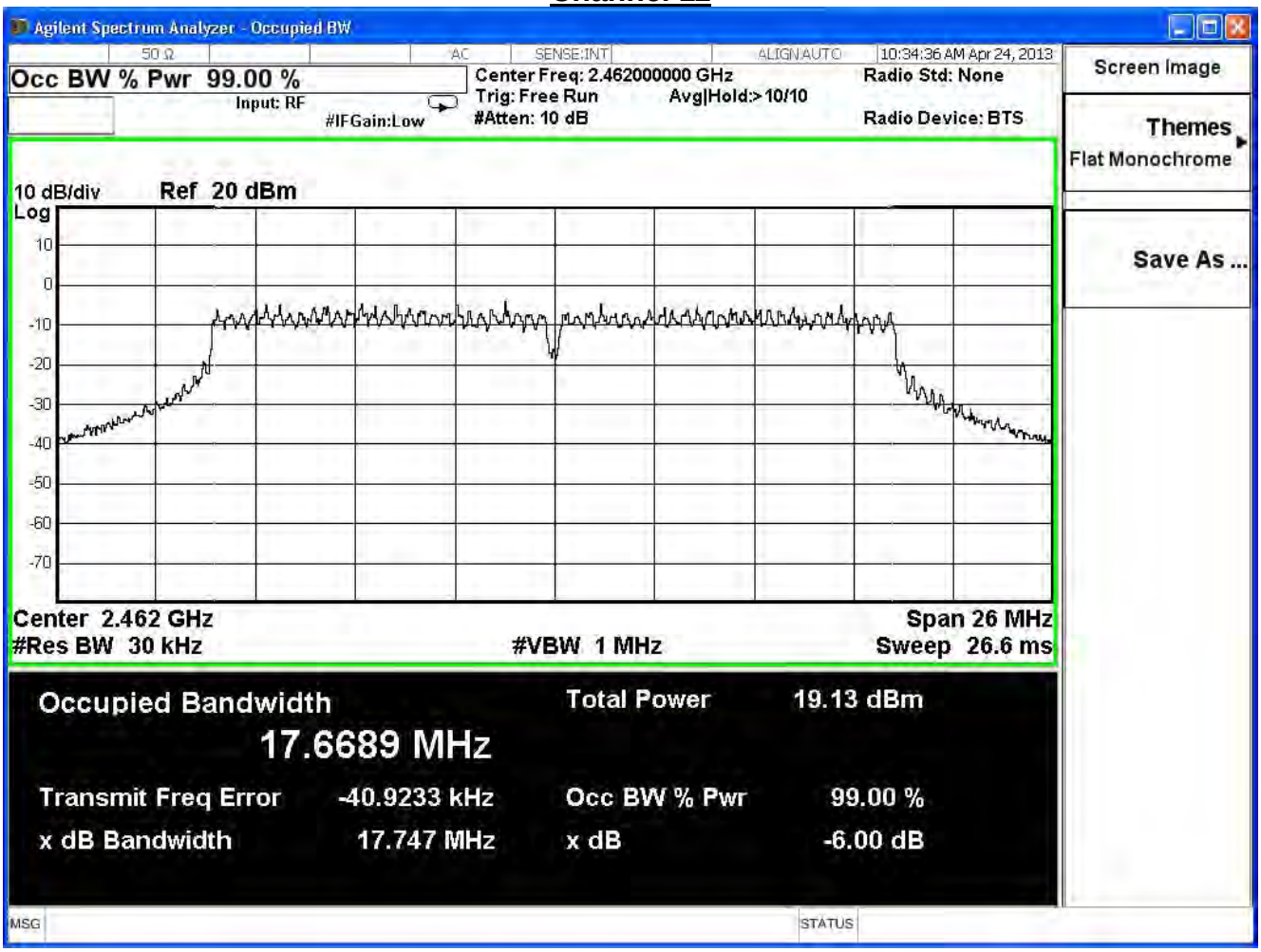
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:33:32 AM Apr 24, 2013
Occ BW % Pwr 99.00 %
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.437 GHz
#Res BW 30 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 26.6 ms
Occupied Bandwidth
17.6621 MHz
Total Power
22.15 dBm
Transmit Freq Error
-25.8972 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
17.649 MHz
x dB
-6.00 dB
MSG
STATUS

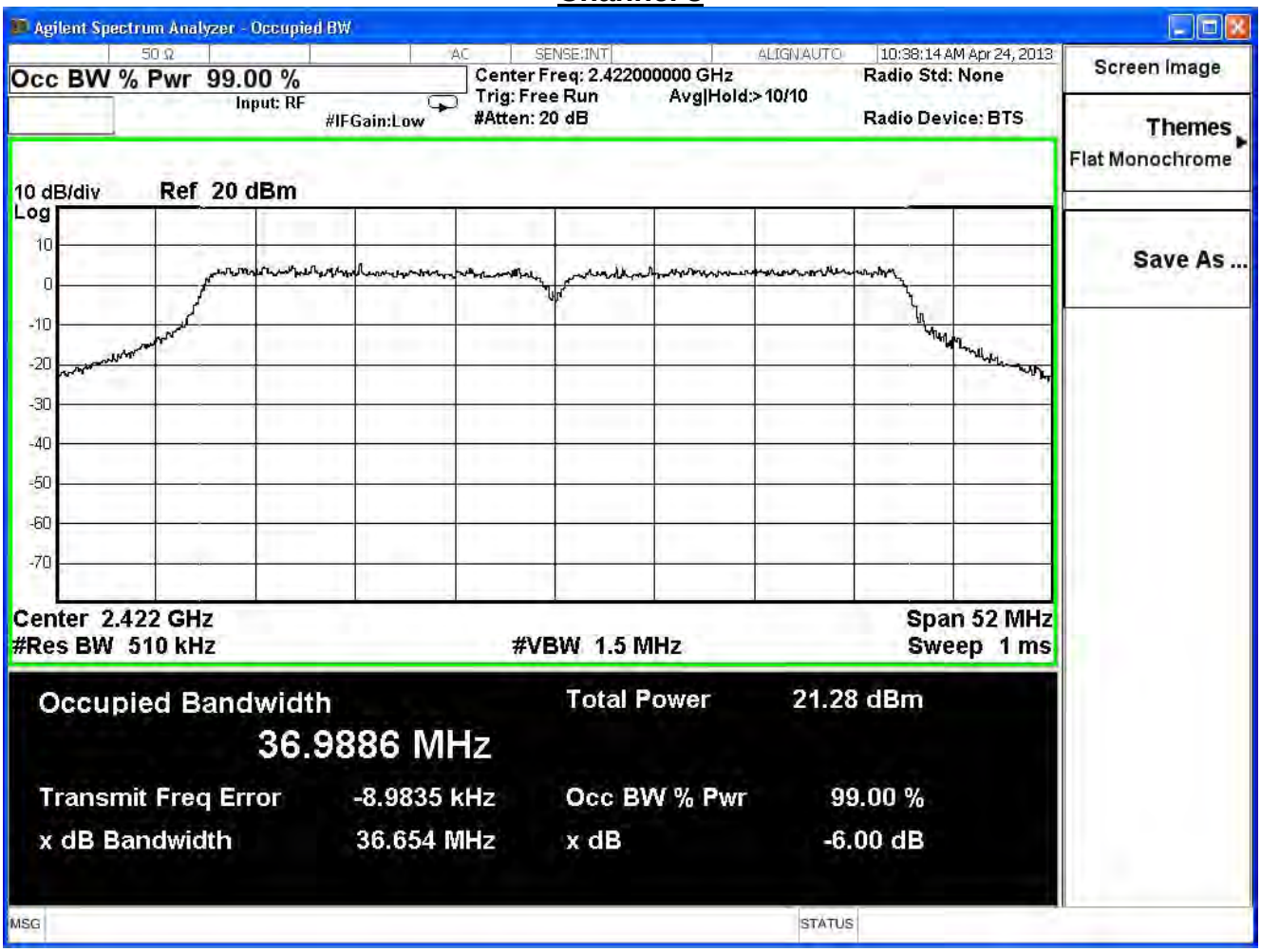
Channel 11


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:34:36 AM Apr 24, 2013
Occ BW % Pwr 99.00 %
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.462 GHz
#Res BW 30 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 26.6 ms
Occupied Bandwidth
17.6689 MHz
Total Power
19.13 dBm
Transmit Freq Error
-40.9233 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
17.747 MHz
x dB
-6.00 dB
MSG
STATUS

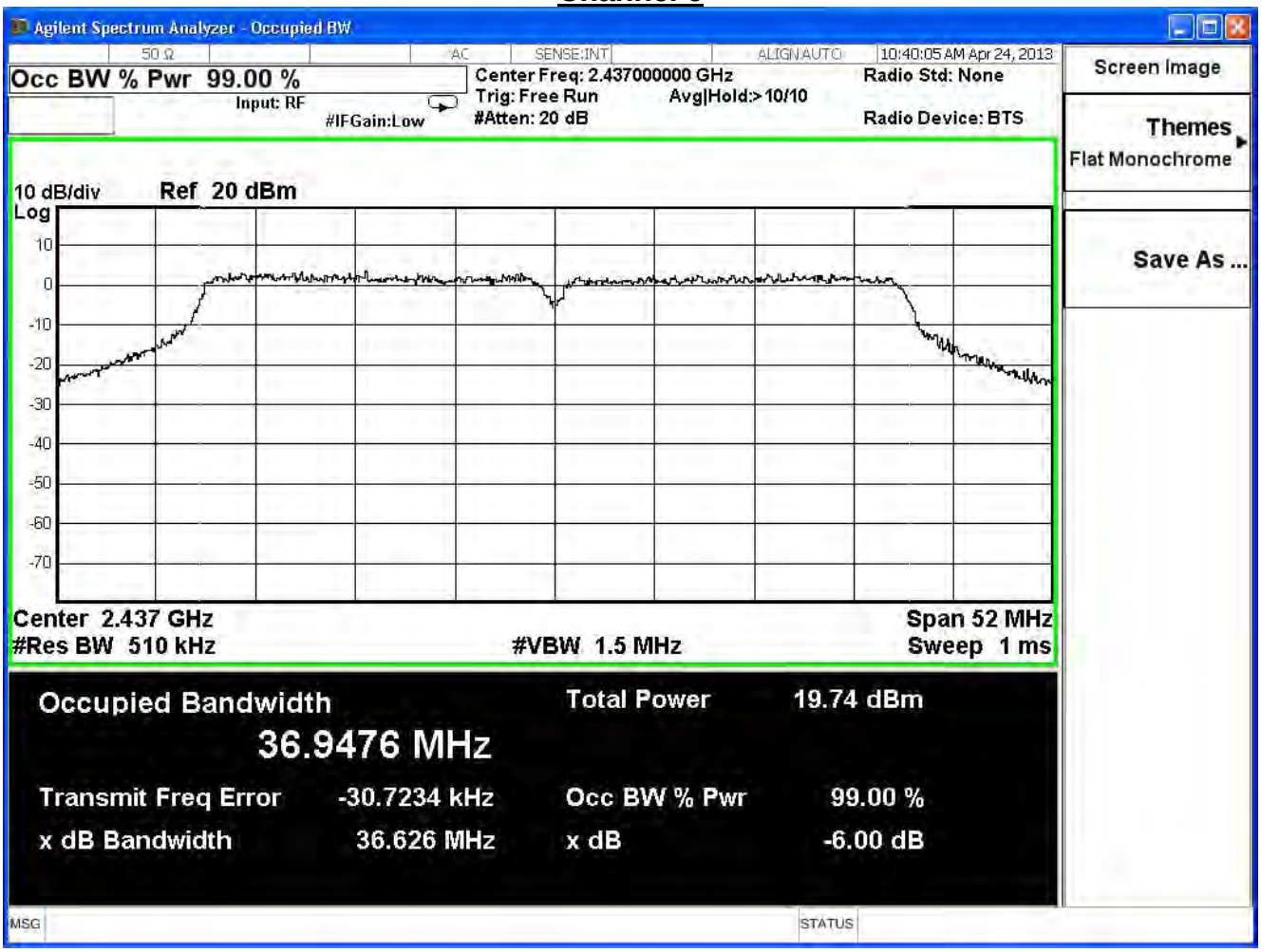
Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/04/24	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.654	≧0.5	Pass
6	2437	36.626	≧0.5	Pass
9	2442	36.698	≧0.5	Pass

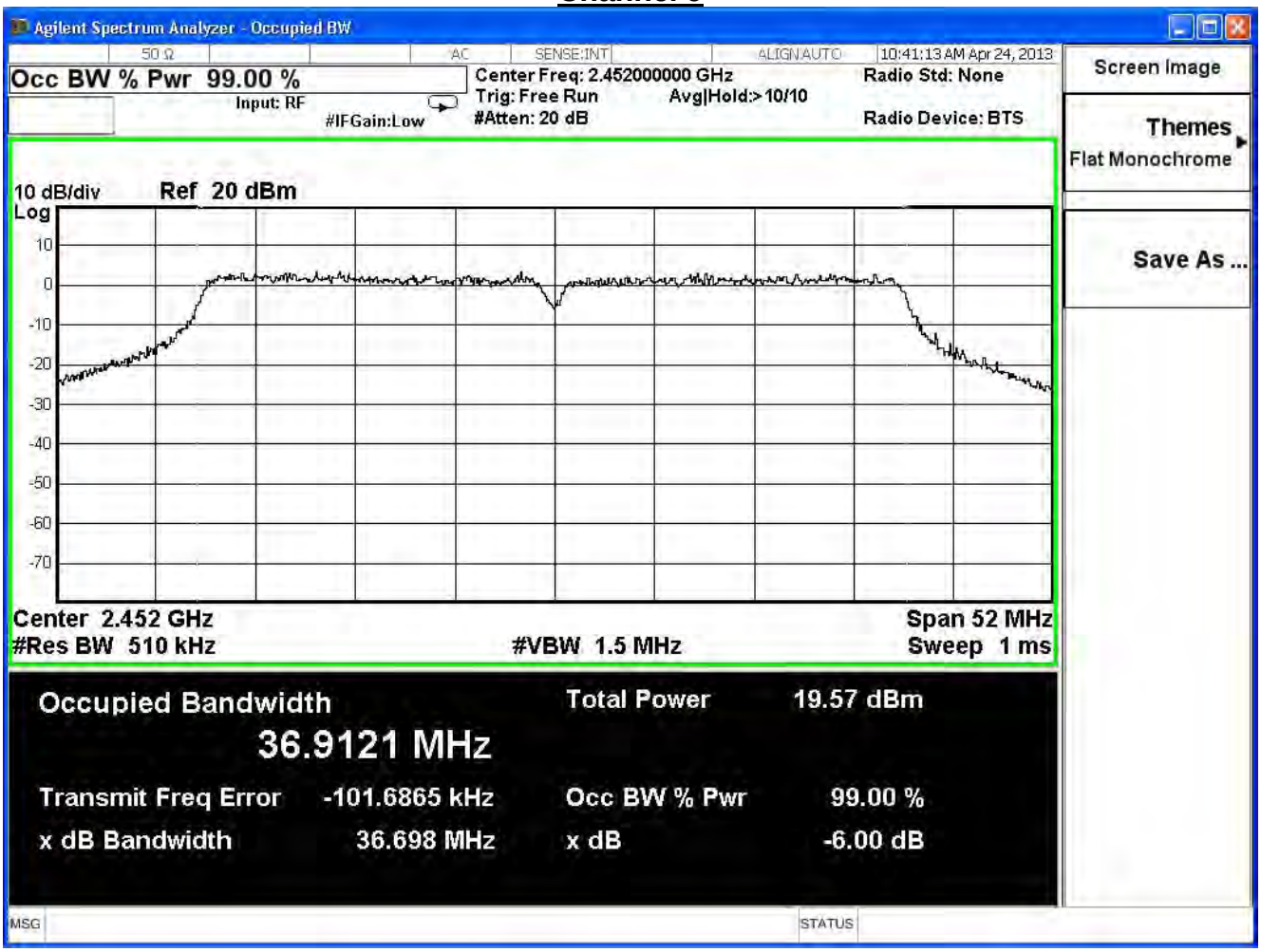
Channel 3


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:38:14 AM Apr 24, 2013
Occ BW % Pwr 99.00 %
Input: RF
#IFGain:Low
Center Freq: 2.422000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.422 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 52 MHz
Sweep 1 ms
Occupied Bandwidth
36.9886 MHz
Total Power
21.28 dBm
Transmit Freq Error
-8.9835 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
36.654 MHz
x dB
-6.00 dB
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:40:05 AM Apr 24, 2013
Occ BW % Pwr 99.00 %
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 52 MHz
Sweep 1 ms
Occupied Bandwidth
36.9476 MHz
Total Power 19.74 dBm
Transmit Freq Error -30.7234 kHz
Occ BW % Pwr 99.00 %
x dB Bandwidth 36.626 MHz
x dB -6.00 dB
MSG
STATUS

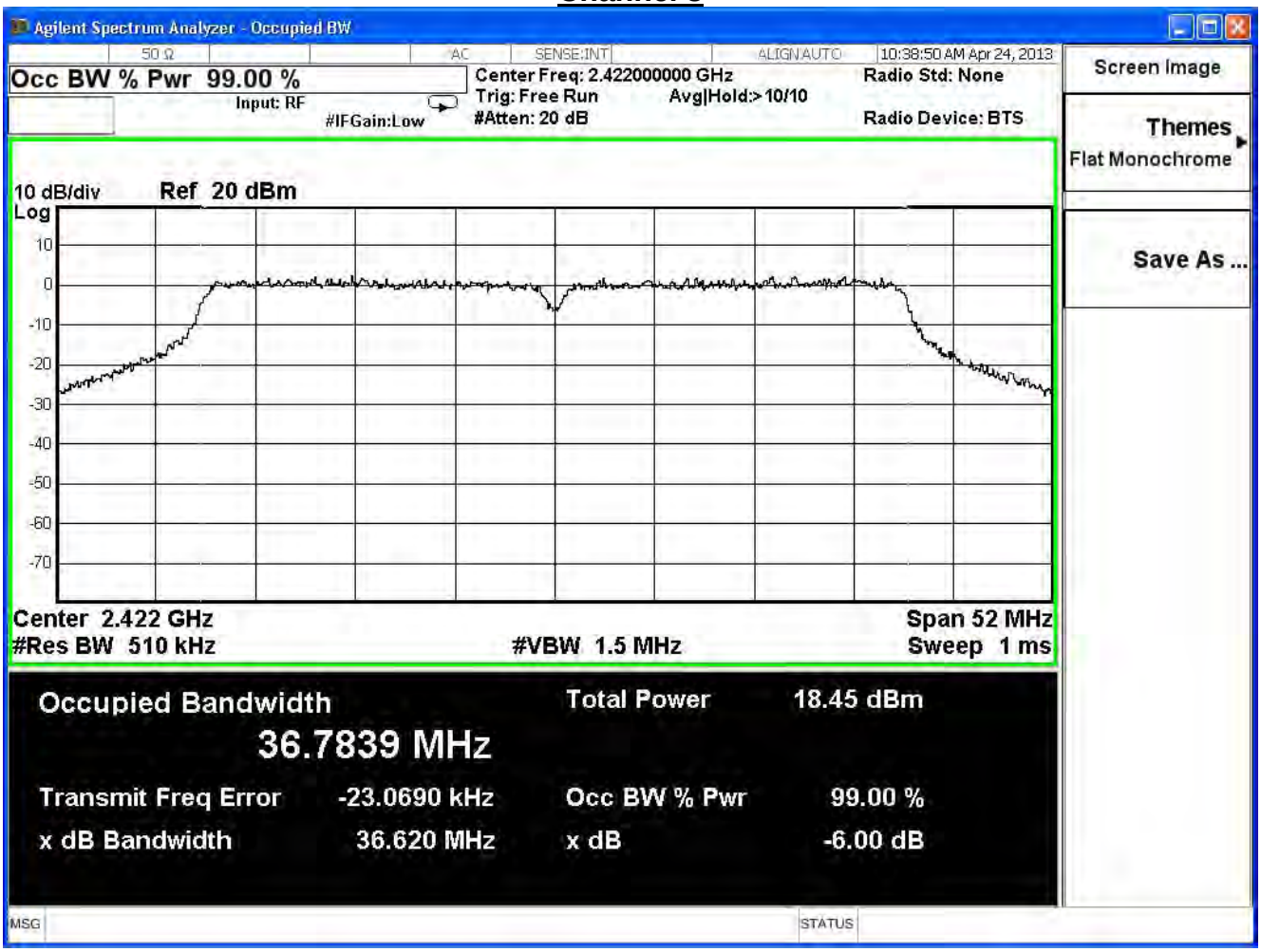
Channel 9


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:41:13 AM Apr 24, 2013
Occ BW % Pwr 99.00 %
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 52 MHz
Sweep 1 ms
Occupied Bandwidth
36.9121 MHz
Total Power 19.57 dBm
Transmit Freq Error -101.6865 kHz
Occ BW % Pwr 99.00 %
x dB Bandwidth 36.698 MHz
x dB -6.00 dB
MSG
STATUS

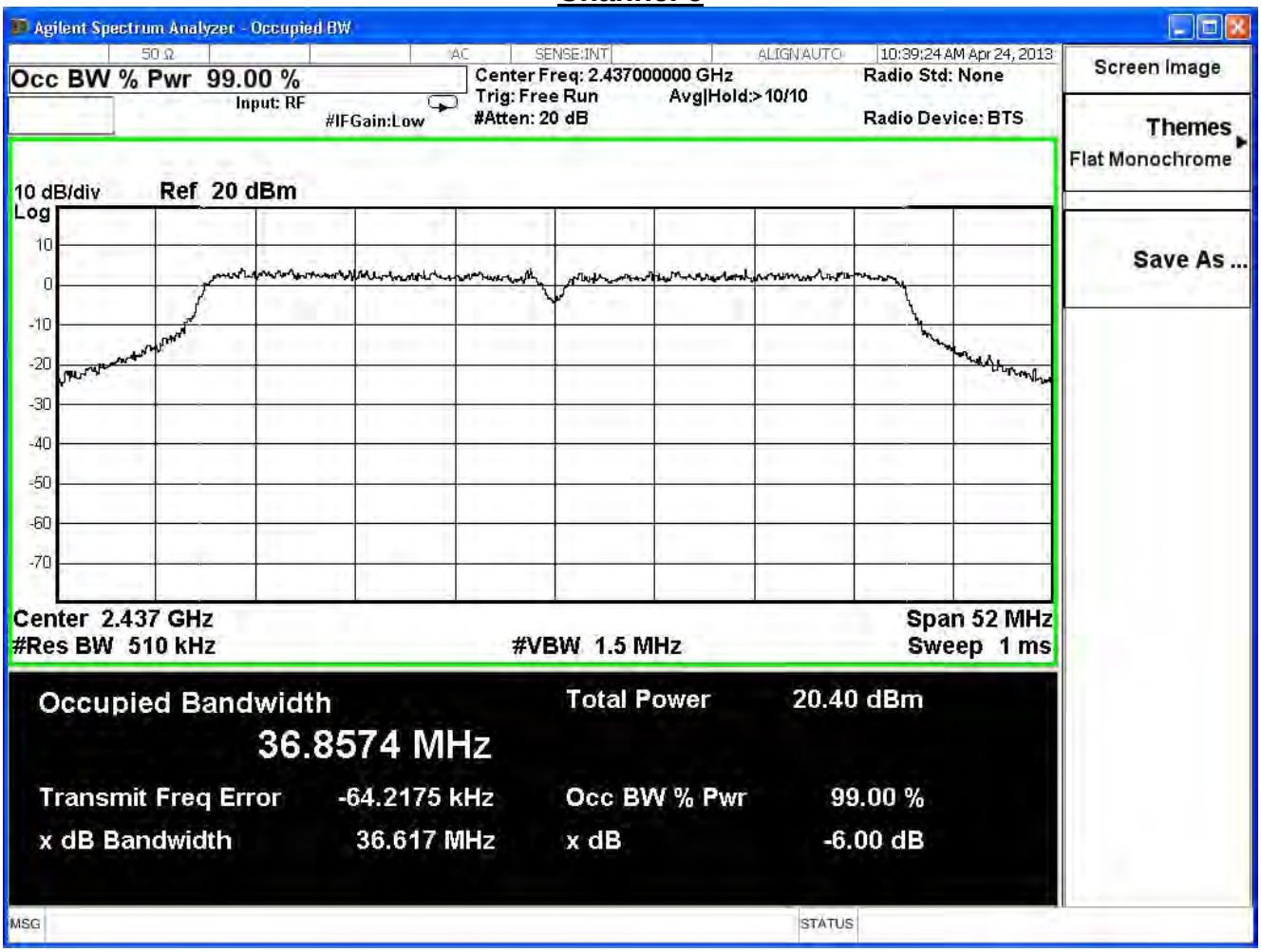
Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/04/24	Test Site	SR7

EEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.620	≧0.5	Pass
6	2437	36.617	≧0.5	Pass
9	2452	36.533	≧0.5	Pass

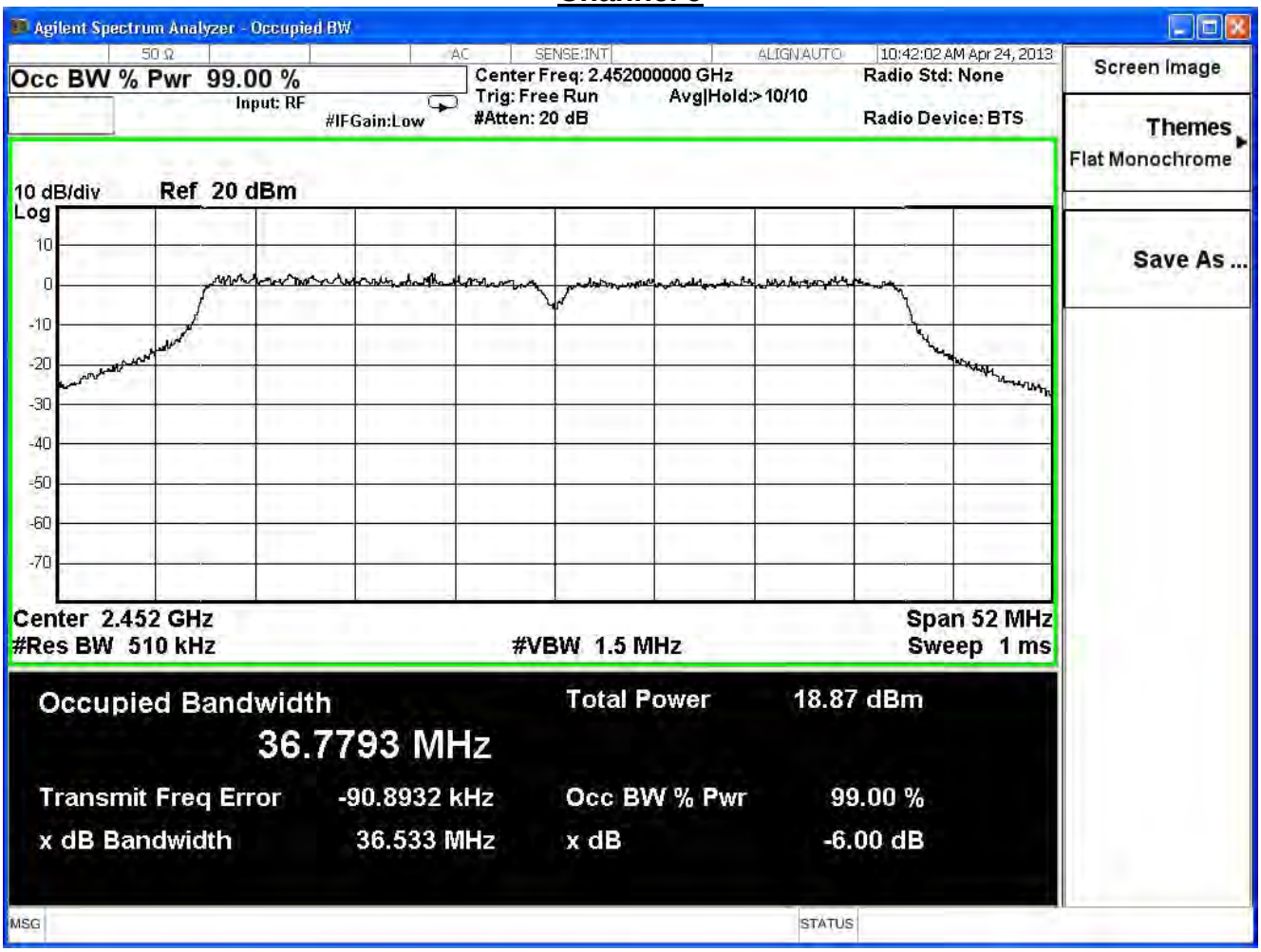
Channel 3


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:38:50 AM Apr 24, 2013
Occ BW % Pwr 99.00 %
Input: RF
#IFGain:Low
Center Freq: 2.422000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.422 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 52 MHz
Sweep 1 ms
Occupied Bandwidth
36.7839 MHz
Total Power
18.45 dBm
Transmit Freq Error
-23.0690 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
36.620 MHz
x dB
-6.00 dB
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:39:24 AM Apr 24, 2013
Occ BW % Pwr 99.00 %
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 52 MHz
Sweep 1 ms
Occupied Bandwidth
36.8574 MHz
Total Power
20.40 dBm
Transmit Freq Error
-64.2175 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
36.617 MHz
x dB
-6.00 dB
MSG
STATUS

Channel 9

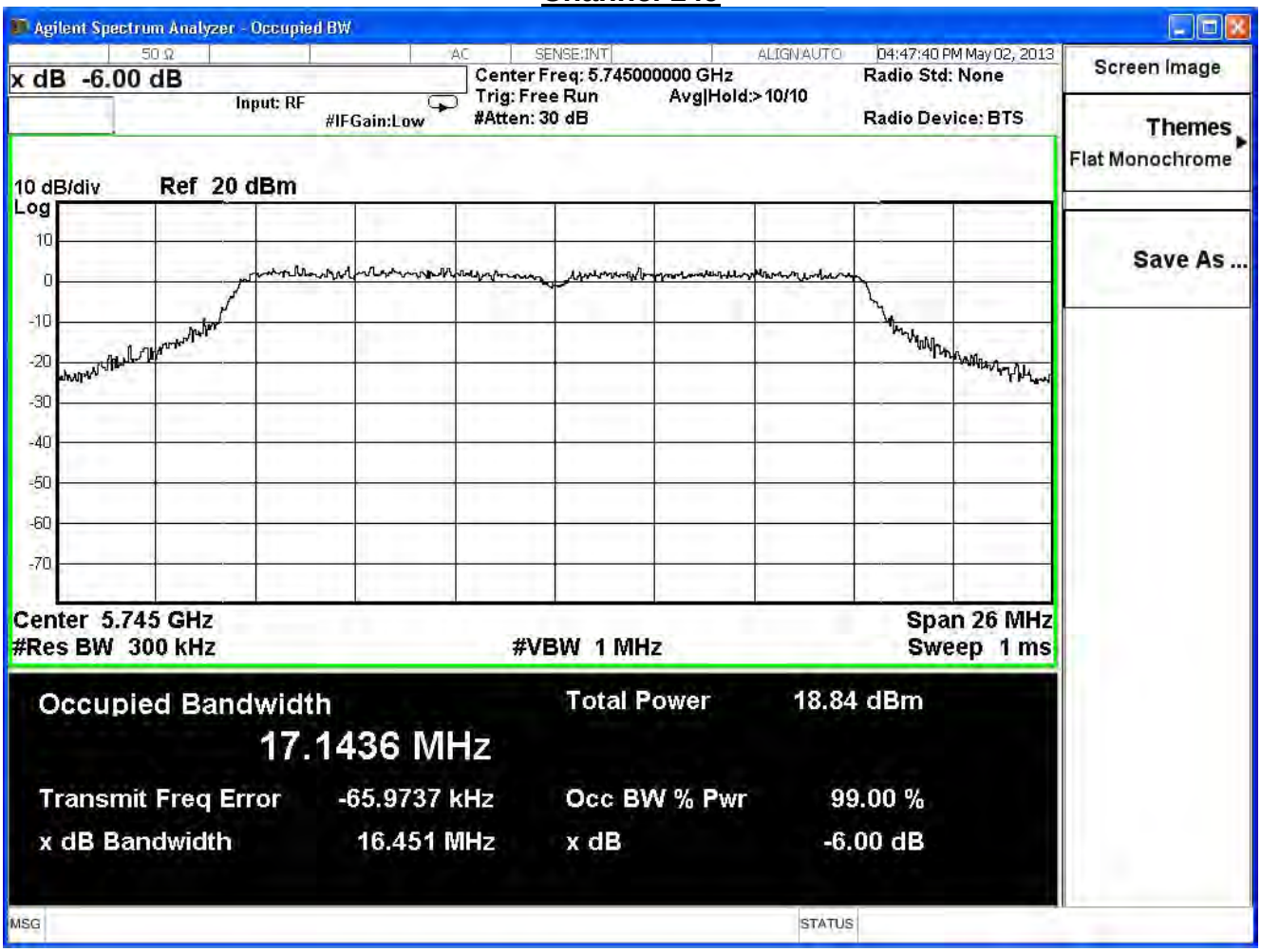

Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:42:02 AM Apr 24, 2013
Occ BW % Pwr 99.00 %
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 52 MHz
Sweep 1 ms
Occupied Bandwidth
36.7793 MHz
Total Power
18.87 dBm
Transmit Freq Error
-90.8932 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
36.533 MHz
x dB
-6.00 dB
MSG
STATUS

Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

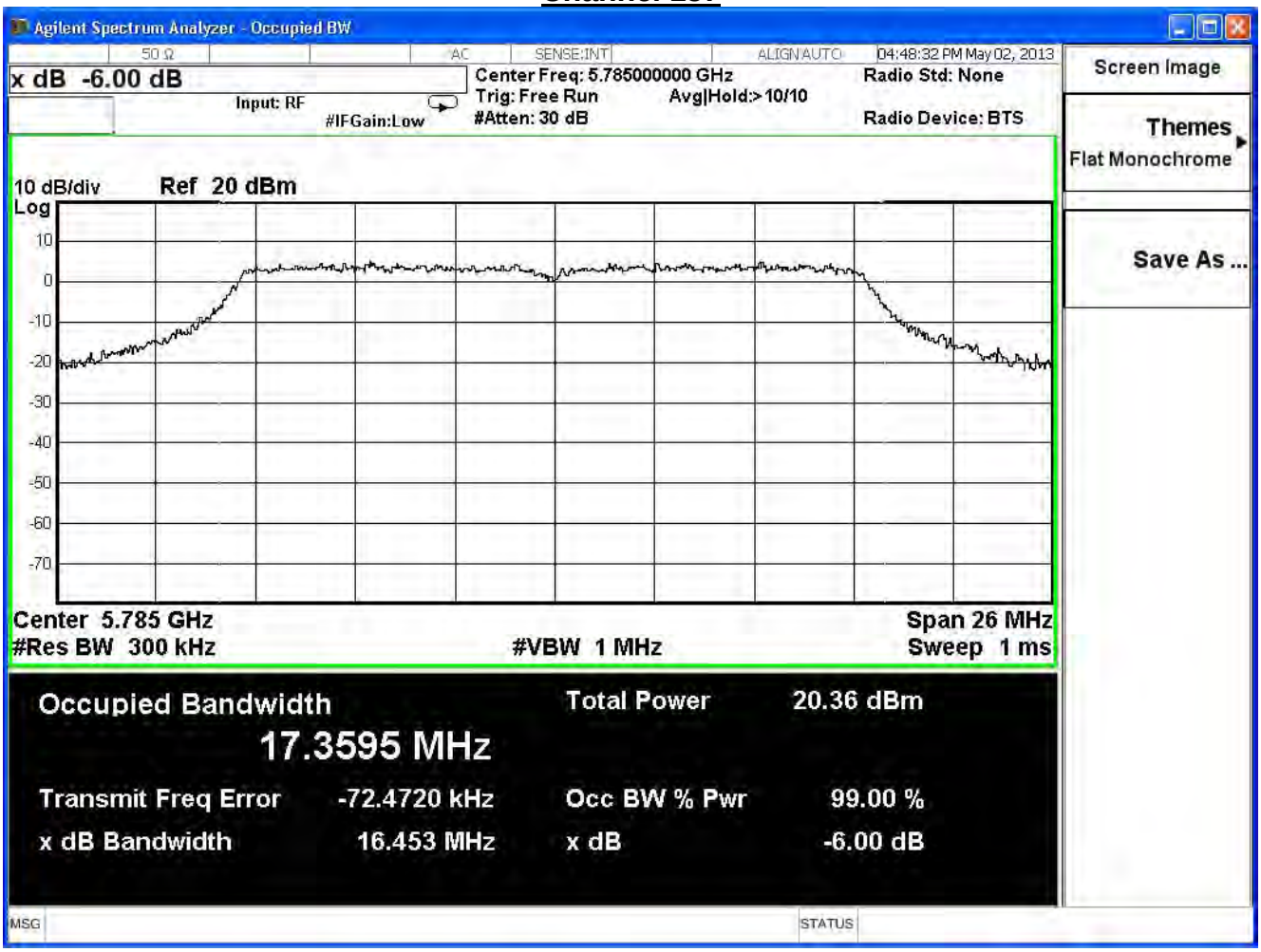
802.11 a

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.451	≧0.5	Pass
157	5785	16.453	≧0.5	Pass
165	5825	16.482	≧0.5	Pass

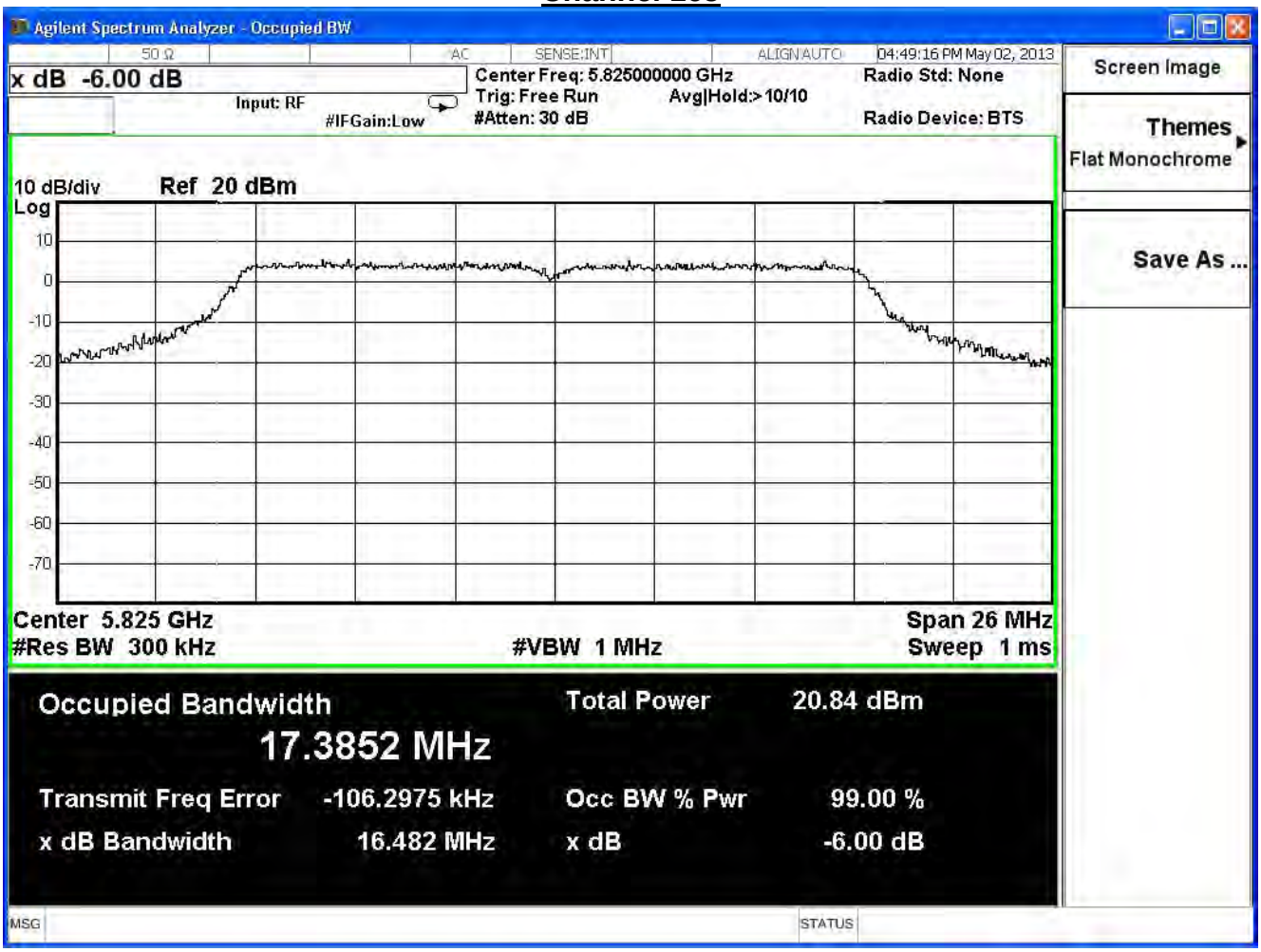
Channel 149


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:47:40 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.745 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 1 ms
Occupied Bandwidth
17.1436 MHz
Total Power
18.84 dBm
Transmit Freq Error
-65.9737 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
16.451 MHz
x dB
-6.00 dB
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:48:32 PM May 02, 2013
x dB -6.00 dB
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold:>10/10
Input: RF
#IFGain:Low
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.785 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 1 ms
Occupied Bandwidth
17.3595 MHz
Total Power
20.36 dBm
Transmit Freq Error
-72.4720 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
16.453 MHz
x dB
-6.00 dB
MSG
STATUS

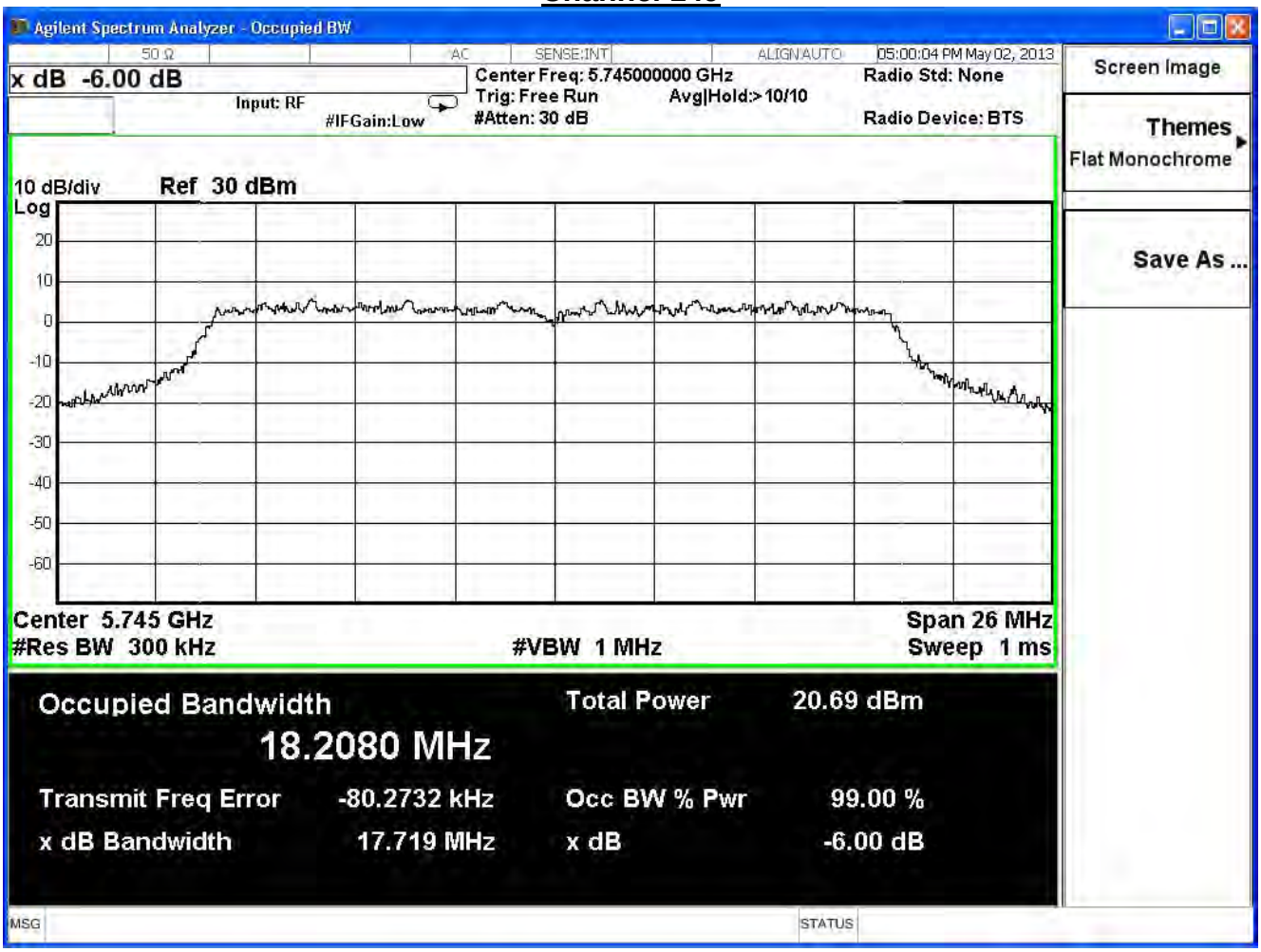
Channel 165


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:49:16 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.825 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 1 ms
Occupied Bandwidth
17.3852 MHz
Total Power
20.84 dBm
Transmit Freq Error
-106.2975 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
16.482 MHz
x dB
-6.00 dB
MSG
STATUS

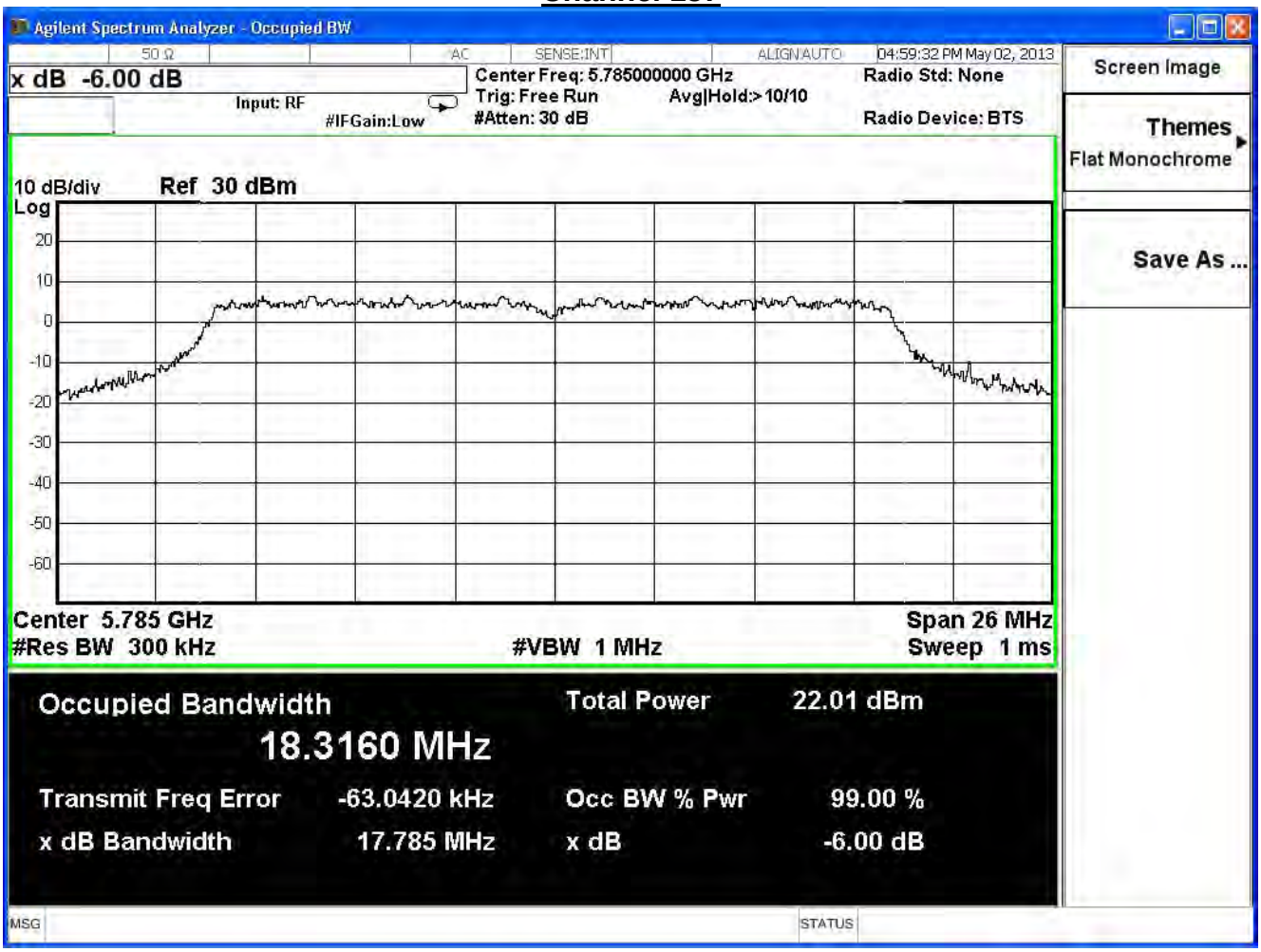
Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.719	≧0.5	Pass
157	5785	17.785	≧0.5	Pass
165	5825	17.777	≧0.5	Pass

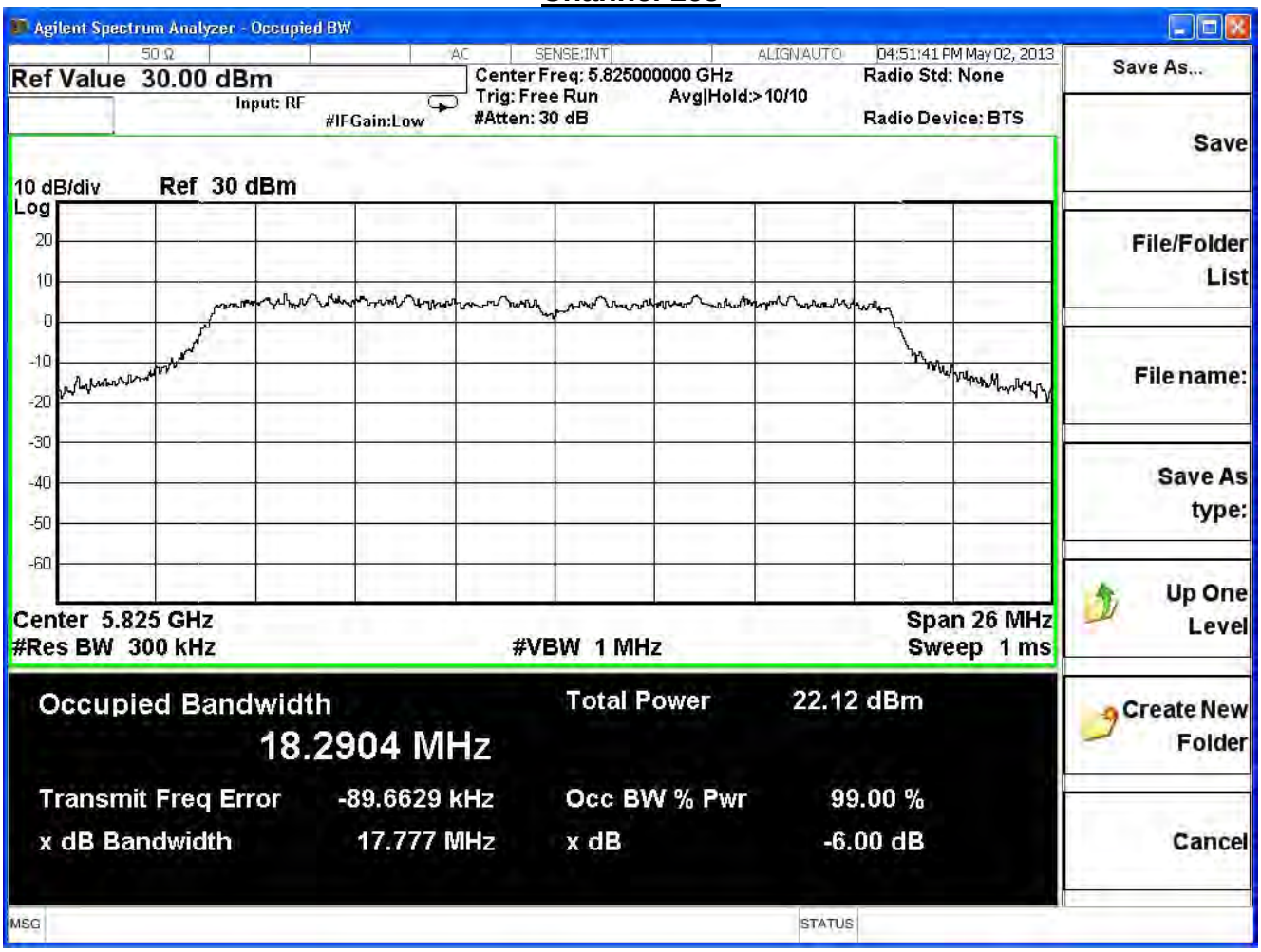
Channel 149


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:00:04 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 1 ms
Occupied Bandwidth
18.2080 MHz
Total Power
20.69 dBm
Transmit Freq Error
-80.2732 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
17.719 MHz
x dB
-6.00 dB
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:59:32 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.785 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 1 ms
Occupied Bandwidth
18.3160 MHz
Total Power
22.01 dBm
Transmit Freq Error
-63.0420 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
17.785 MHz
x dB
-6.00 dB
MSG
STATUS

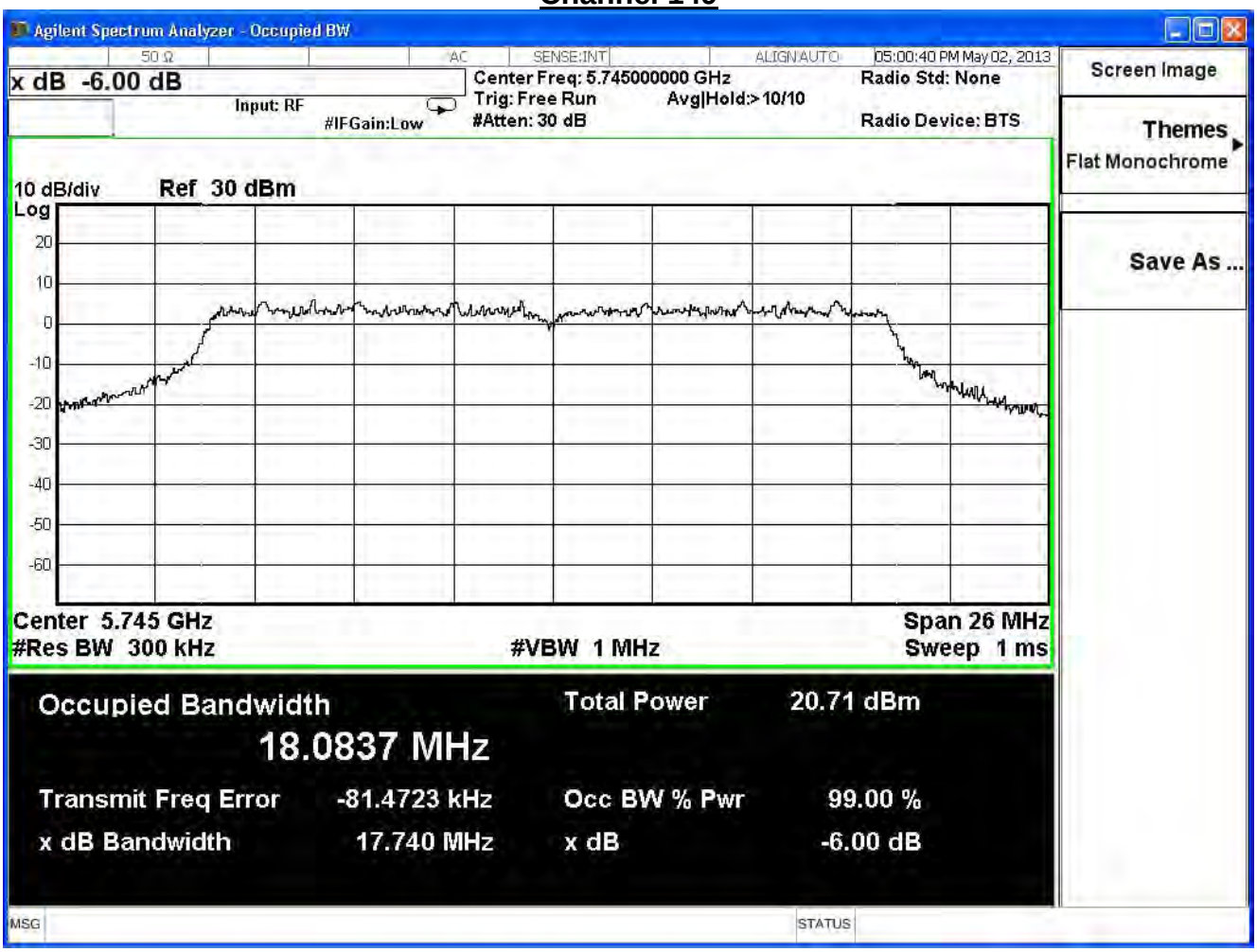
Channel 165


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:51:41 PM May 02, 2013
Ref Value 30.00 dBm
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.825 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 1 ms
Occupied Bandwidth
18.2904 MHz
Total Power 22.12 dBm
Transmit Freq Error -89.6629 kHz
Occ BW % Pwr 99.00 %
x dB Bandwidth 17.777 MHz
x dB -6.00 dB
MSG
STATUS
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel

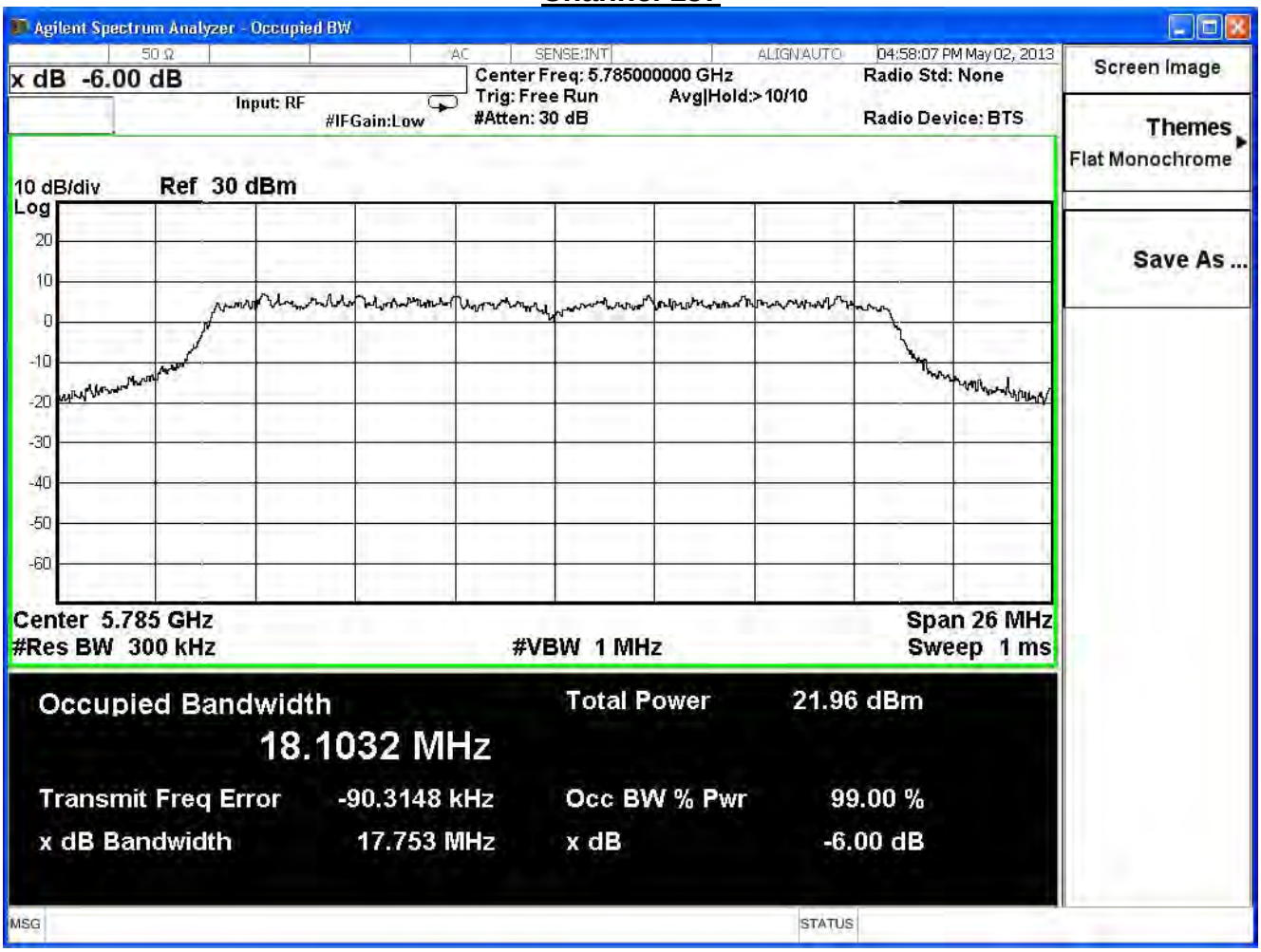
Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.740	≧0.5	Pass
157	5785	17.753	≧0.5	Pass
165	5825	17.764	≧0.5	Pass

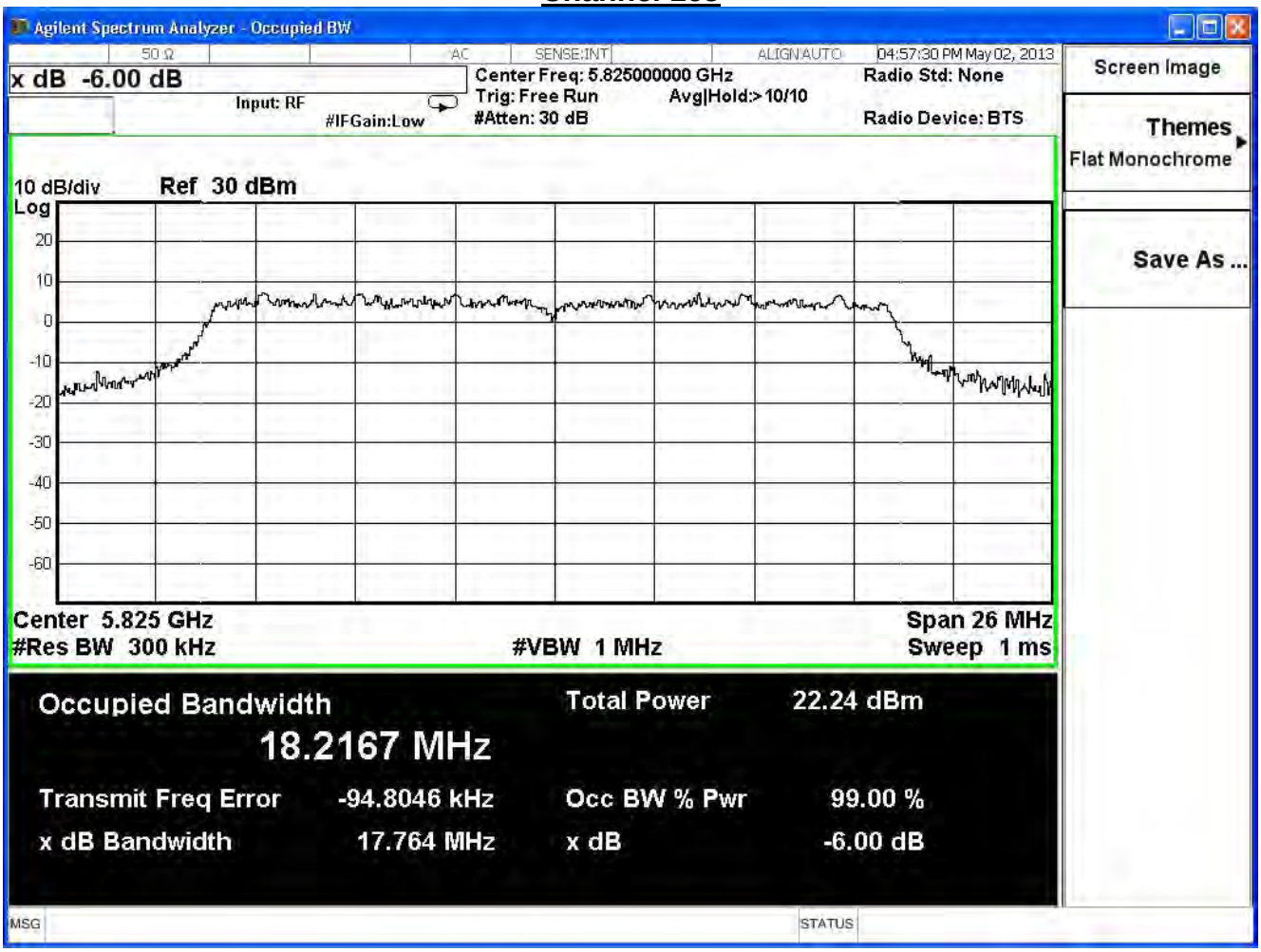
Channel 149


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:00:40 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 1 ms
Occupied Bandwidth
18.0837 MHz
Total Power
20.71 dBm
Transmit Freq Error
-81.4723 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
17.740 MHz
x dB
-6.00 dB
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:58:07 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.785 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 1 ms
Occupied Bandwidth
18.1032 MHz
Total Power
21.96 dBm
Transmit Freq Error
-90.3148 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
17.753 MHz
x dB
-6.00 dB
MSG
STATUS

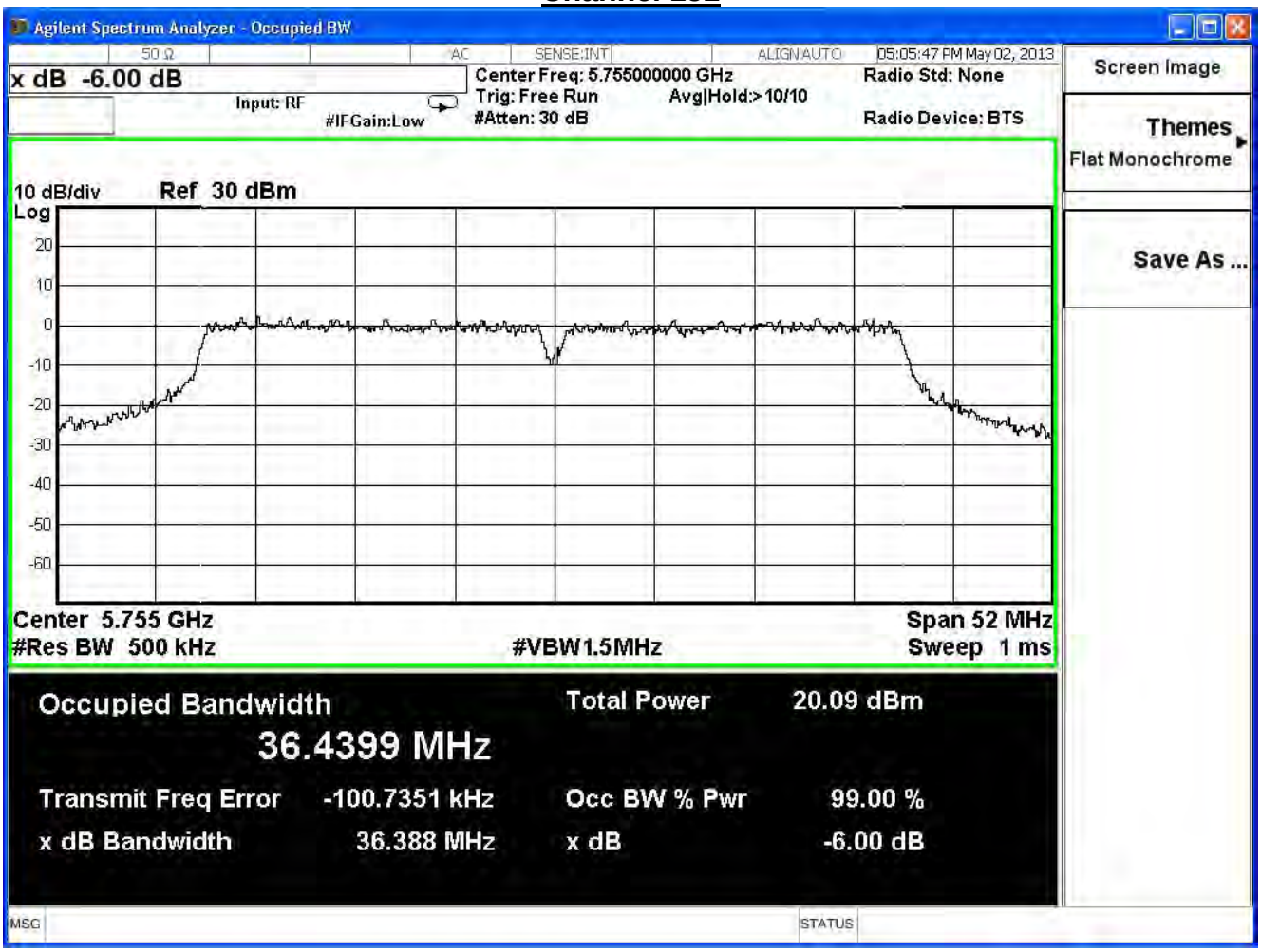
Channel 165


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:57:30 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.825 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 26 MHz
Sweep 1 ms
Occupied Bandwidth
18.2167 MHz
Total Power
22.24 dBm
Transmit Freq Error
-94.8046 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
17.764 MHz
x dB
-6.00 dB
MSG
STATUS

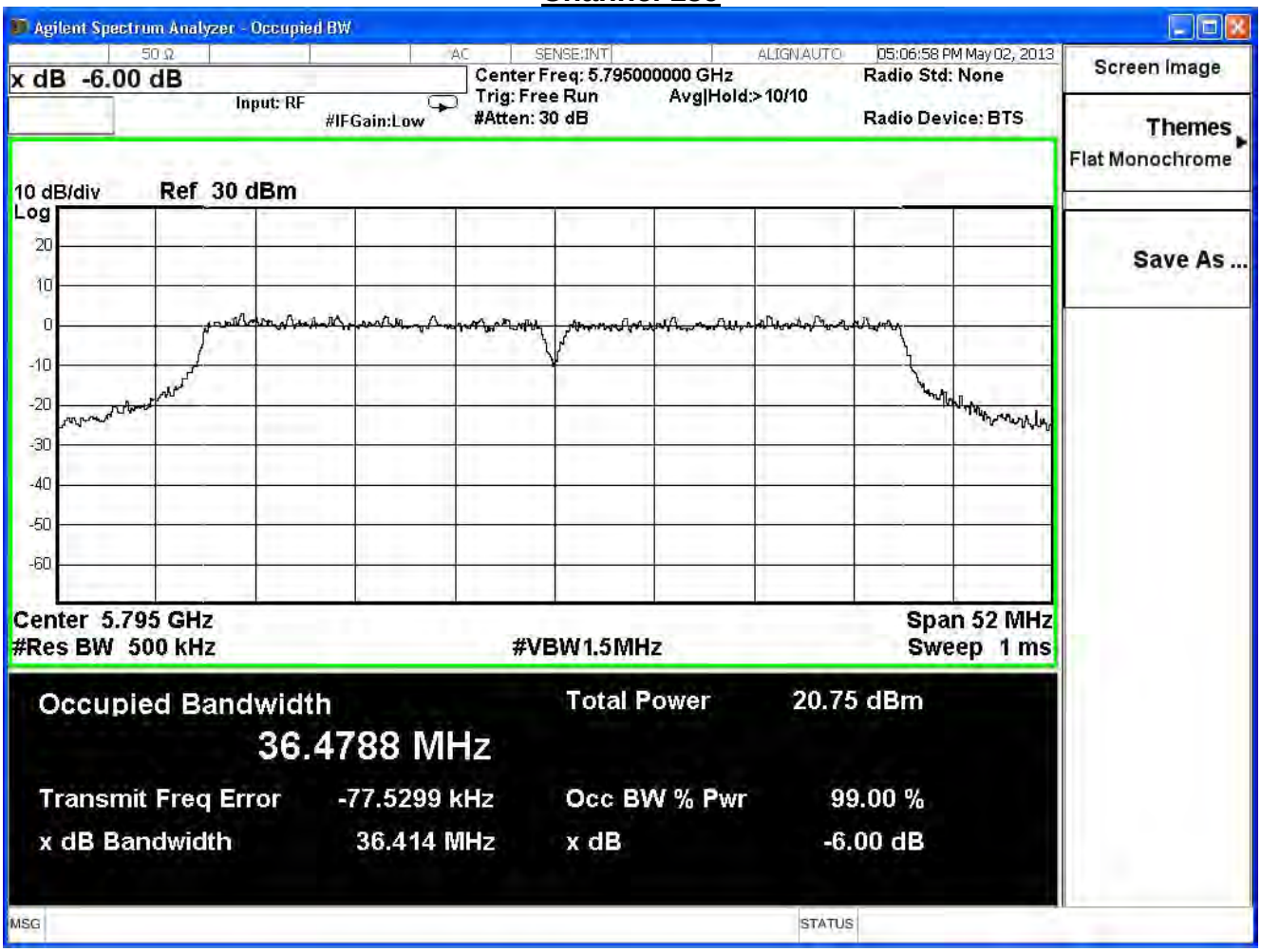
Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.388	≧0.5	Pass
159	5795	36.414	≧0.5	Pass

Channel 151


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:05:47 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.755 GHz
#Res BW 500 kHz
#VBW1.5MHz
Span 52 MHz
Sweep 1 ms
Occupied Bandwidth
36.4399 MHz
Total Power
20.09 dBm
Transmit Freq Error
-100.7351 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
36.388 MHz
x dB
-6.00 dB
MSG
STATUS

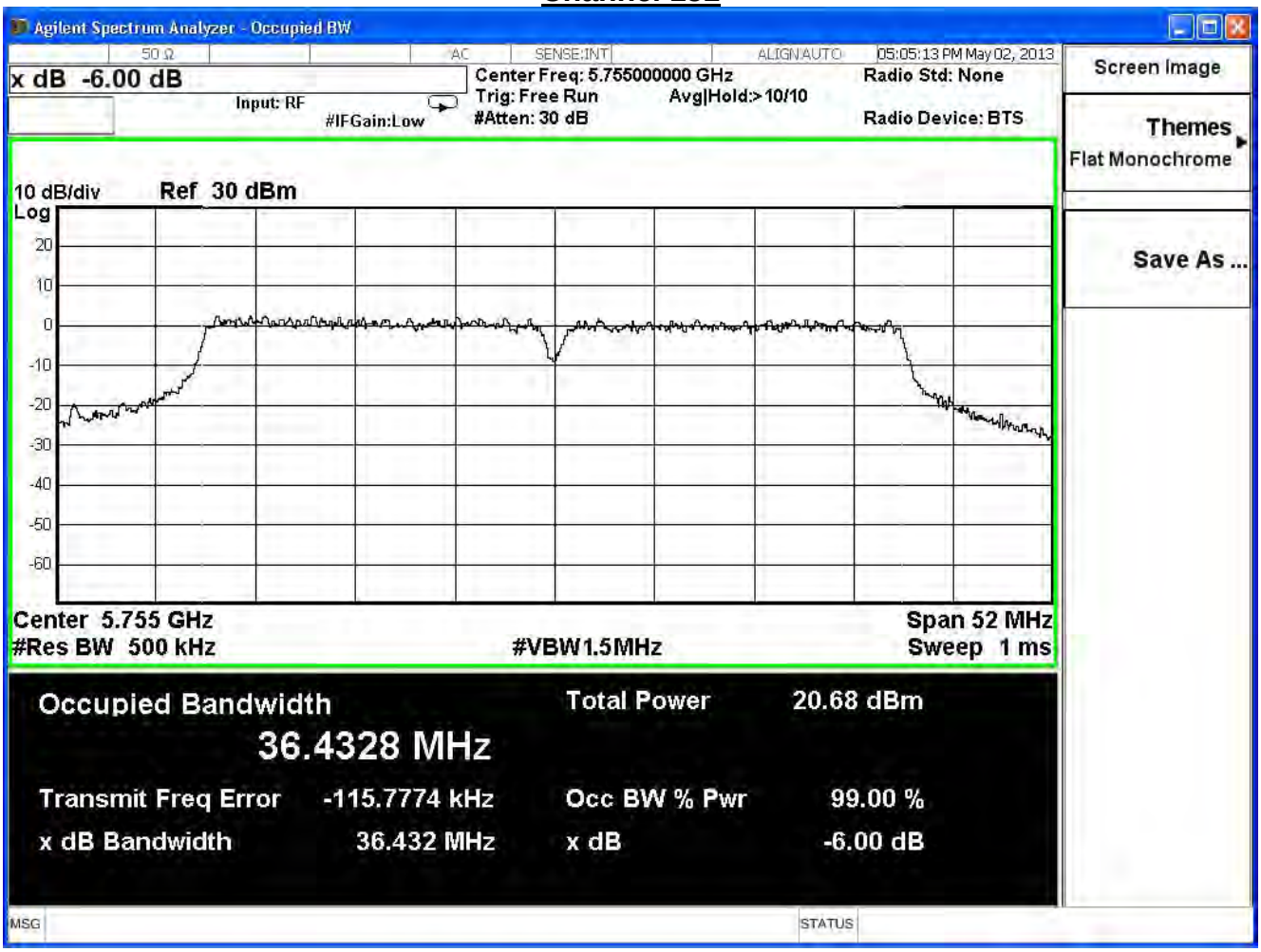
Channel 159


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:06:58 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.795 GHz
#Res BW 500 kHz
#VBW1.5MHz
Span 52 MHz
Sweep 1 ms
Occupied Bandwidth
36.4788 MHz
Total Power
20.75 dBm
Transmit Freq Error
-77.5299 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
36.414 MHz
x dB
-6.00 dB
MSG
STATUS

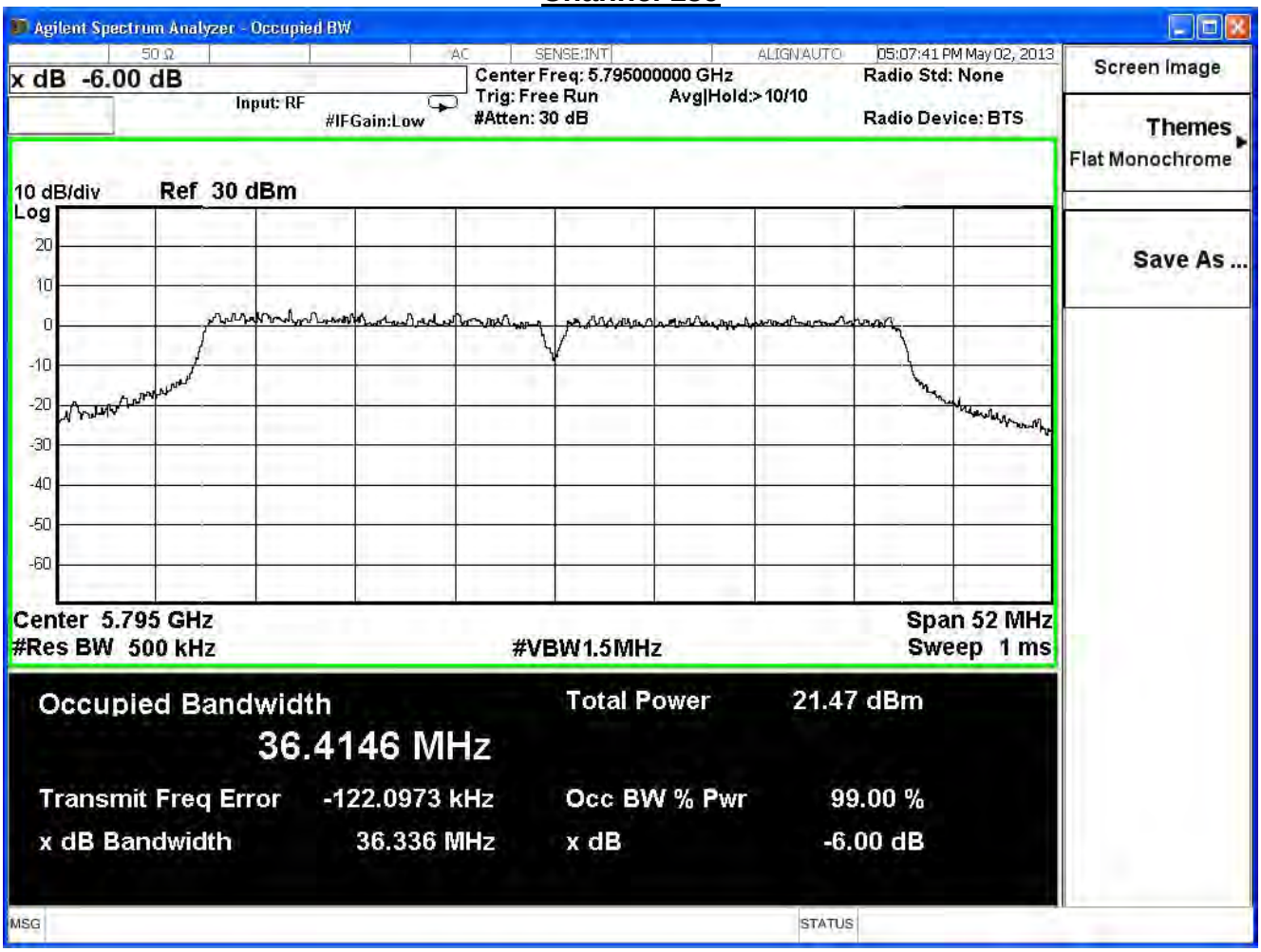
Product	11N Wireless LAN CARD		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.432	≧0.5	Pass
159	5795	36.336	≧0.5	Pass

Channel 151


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:05:13 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.755 GHz
#Res BW 500 kHz
#VBW1.5MHz
Span 52 MHz
Sweep 1 ms
Occupied Bandwidth
36.4328 MHz
Total Power
20.68 dBm
Transmit Freq Error
-115.7774 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
36.432 MHz
x dB
-6.00 dB
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:07:41 PM May 02, 2013
x dB -6.00 dB
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.795 GHz
#Res BW 500 kHz
#VBW1.5MHz
Span 52 MHz
Sweep 1 ms
Occupied Bandwidth
36.4146 MHz
Total Power
21.47 dBm
Transmit Freq Error
-122.0973 kHz
Occ BW % Pwr
99.00 %
x dB Bandwidth
36.336 MHz
x dB
-6.00 dB
MSG
STATUS

8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

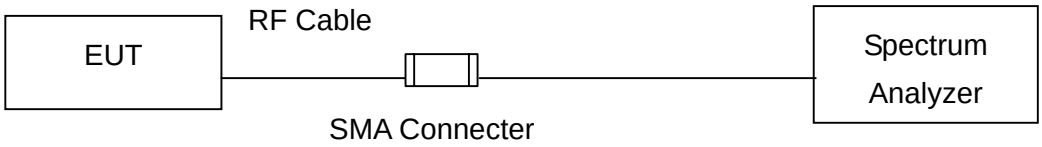
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
EXA Signal Analyzer	Agilent	N9010A-EXA	US47140172	2013/07/31

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 of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW= 100 kHz, Set VBW= 300 kHz, Sweep time=Auto, Set detector=Peak detector.
Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log (3 kHz/100 kHz = -15.2 dB).

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

8.6. Uncertainty

The measurement uncertainty is defined as ±1.27dB.

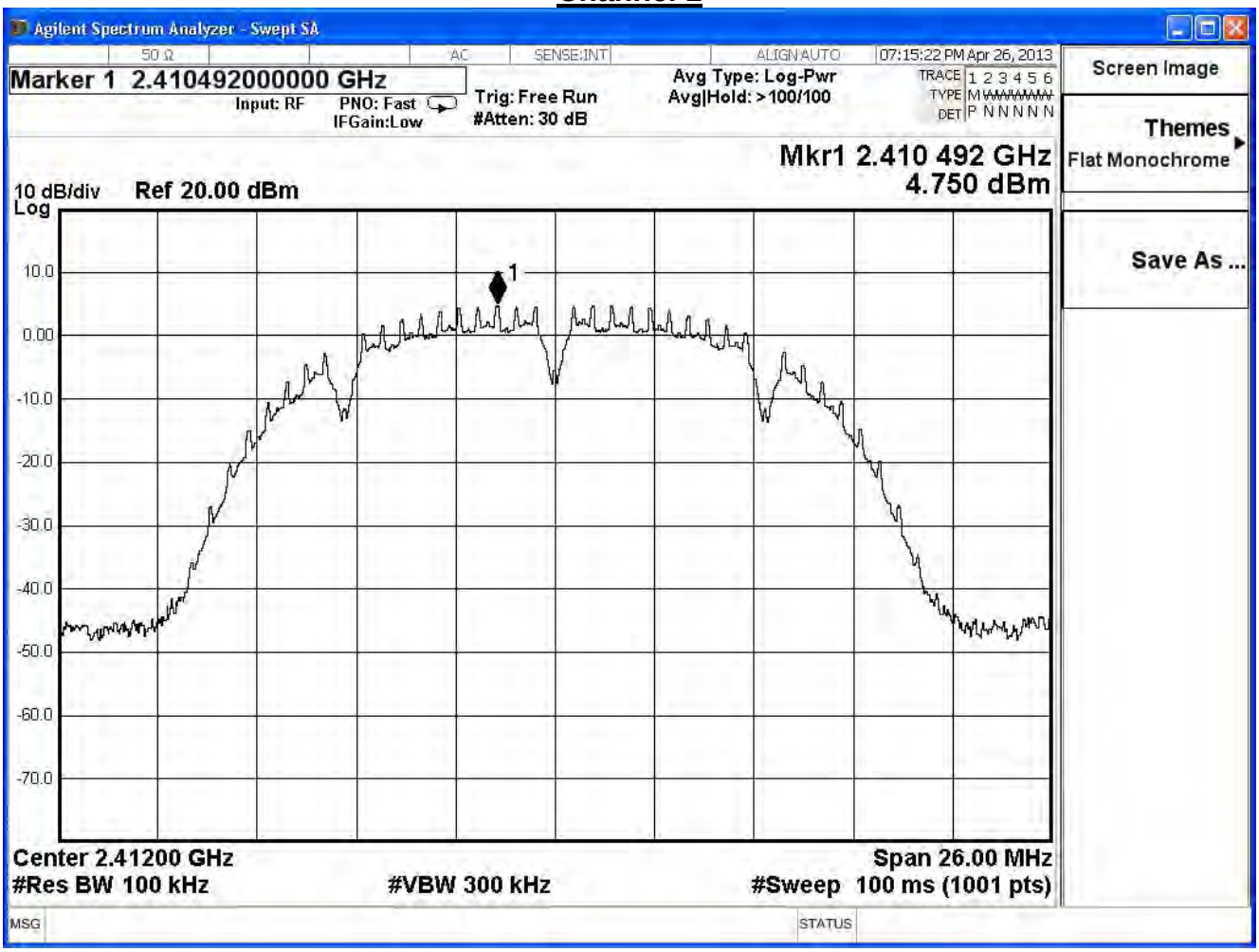
8.7. Test Result

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/04/26	Test Site	SR7

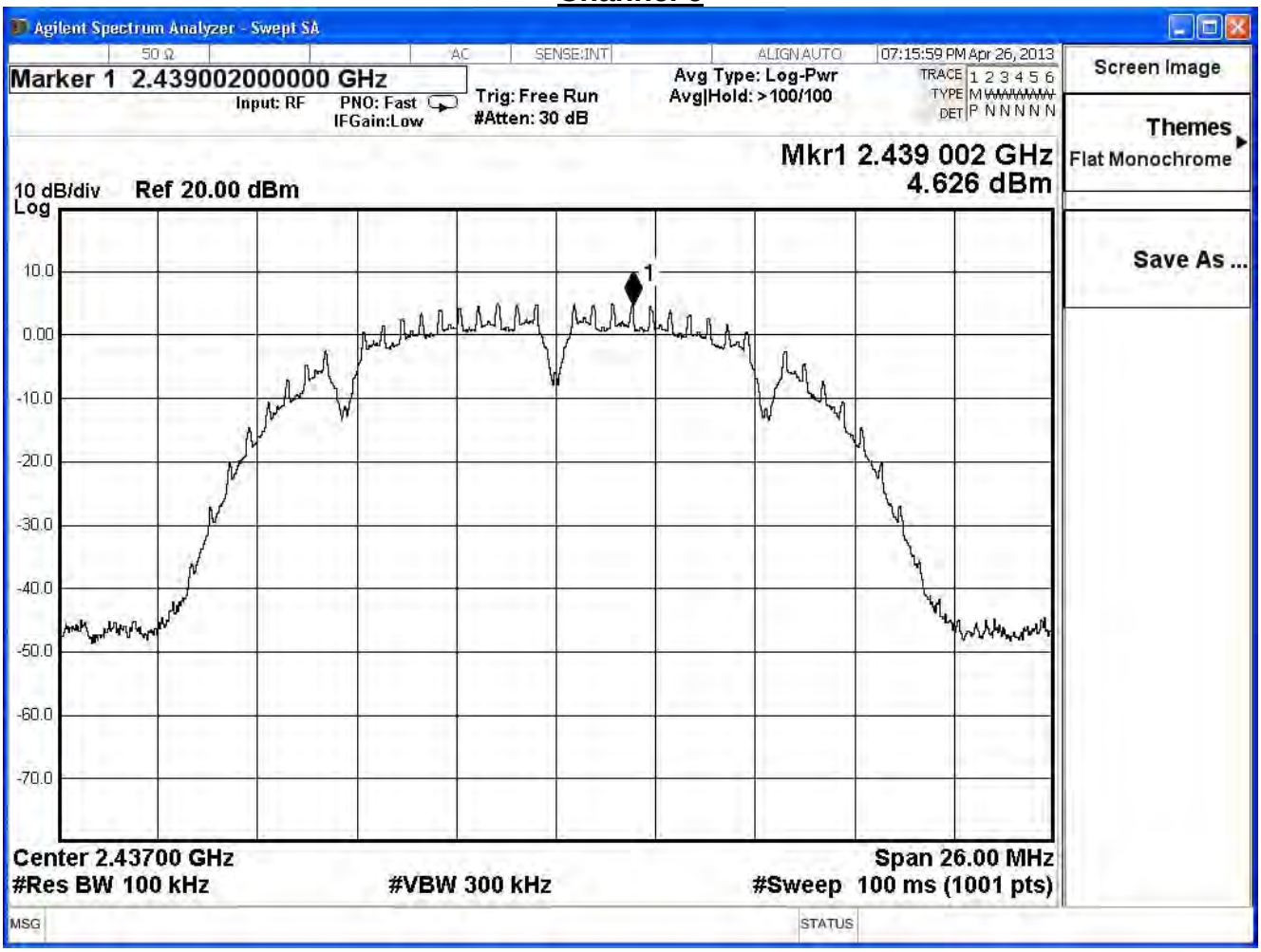
IEEE 802.11b					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	4.750	-10.450	≦8	Pass
6	2437	4.626	-10.574	≦8	Pass
11	2462	5.651	-9.549	≦8	Pass

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

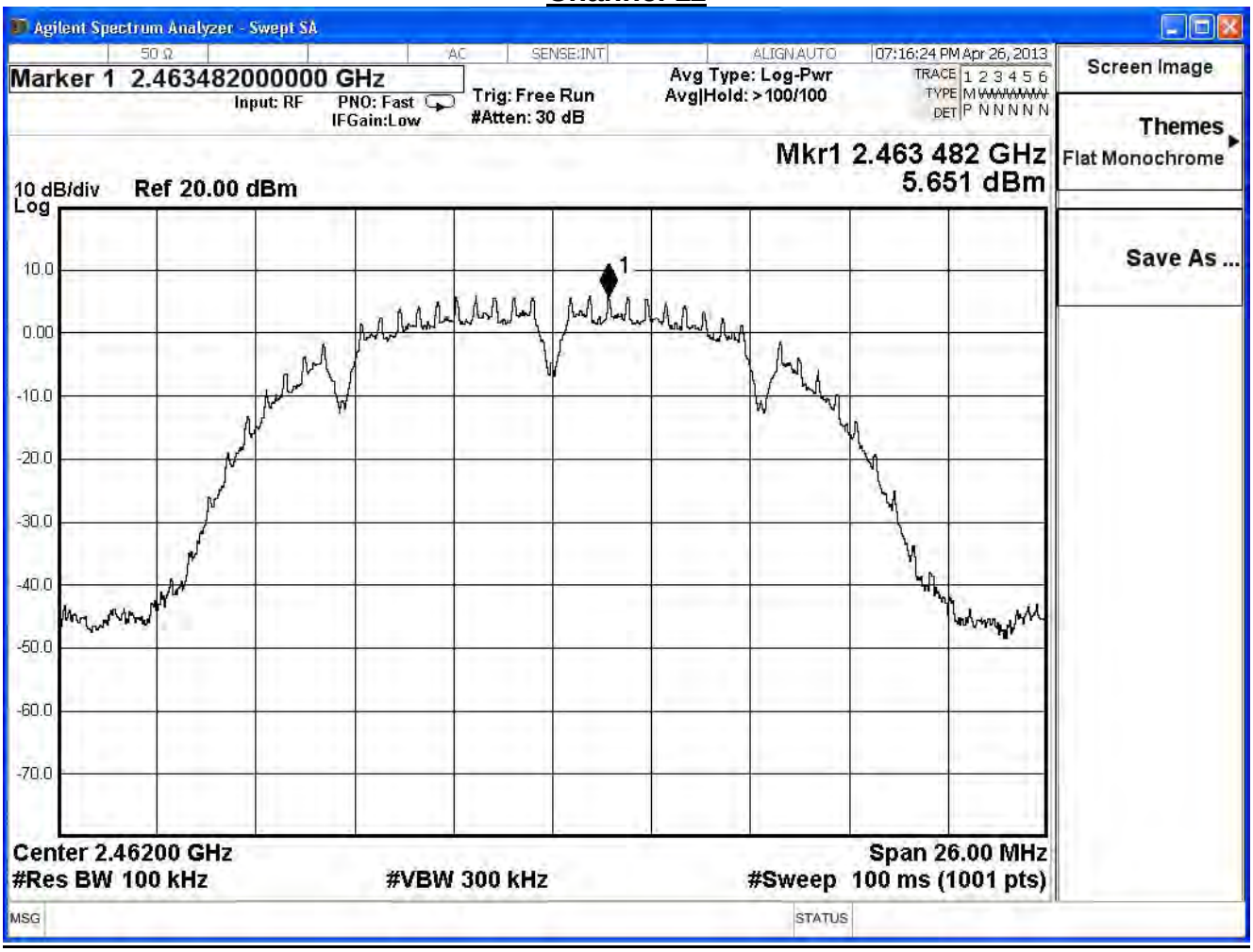
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:15:59 PM Apr 26, 2013
Marker 1 2.439002000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.439 002 GHz
4.626 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 11

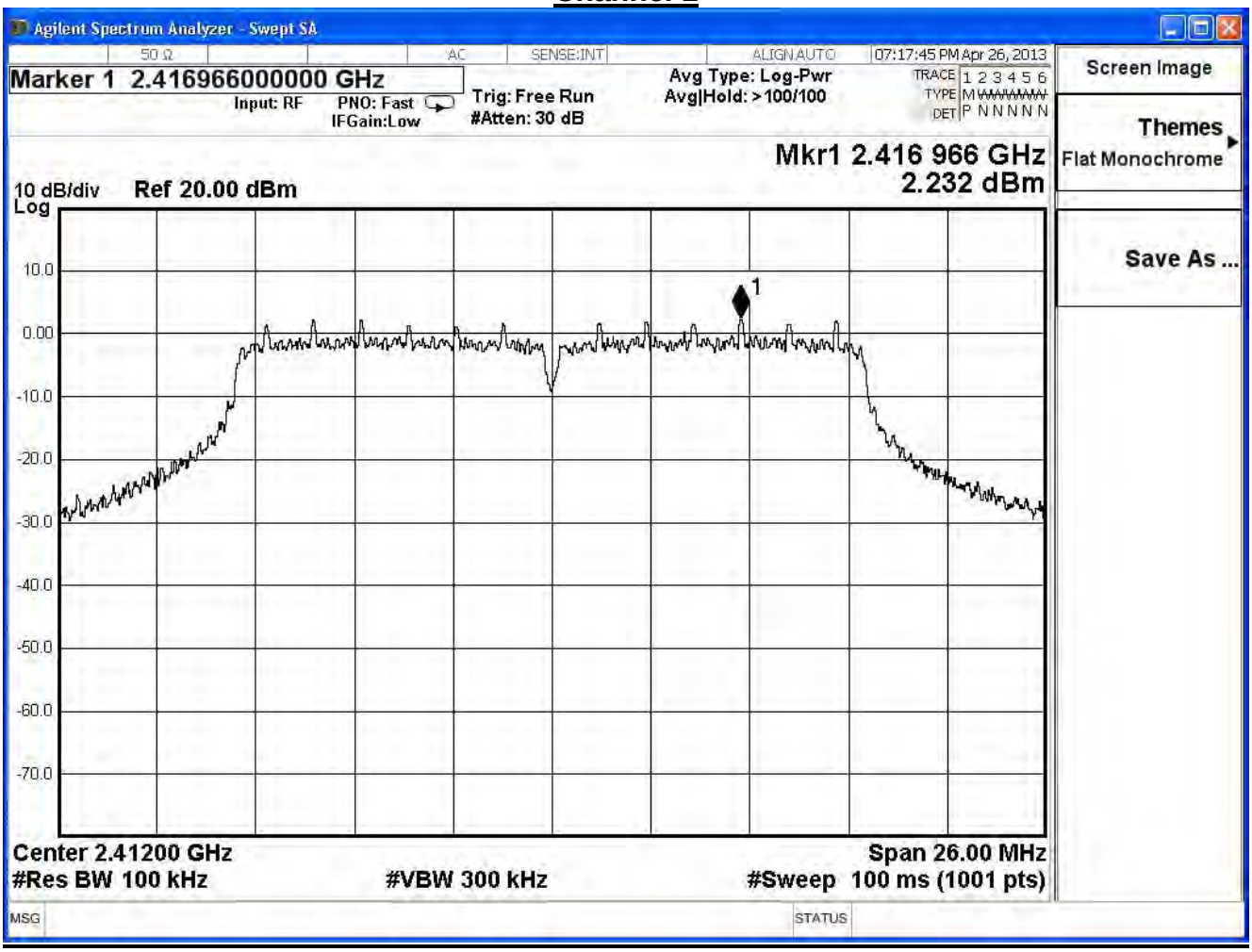

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:16:24 PM Apr 26, 2013
Marker 1 2.463482000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.463 482 GHz
5.651 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.46200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/04/26	Test Site	SR7

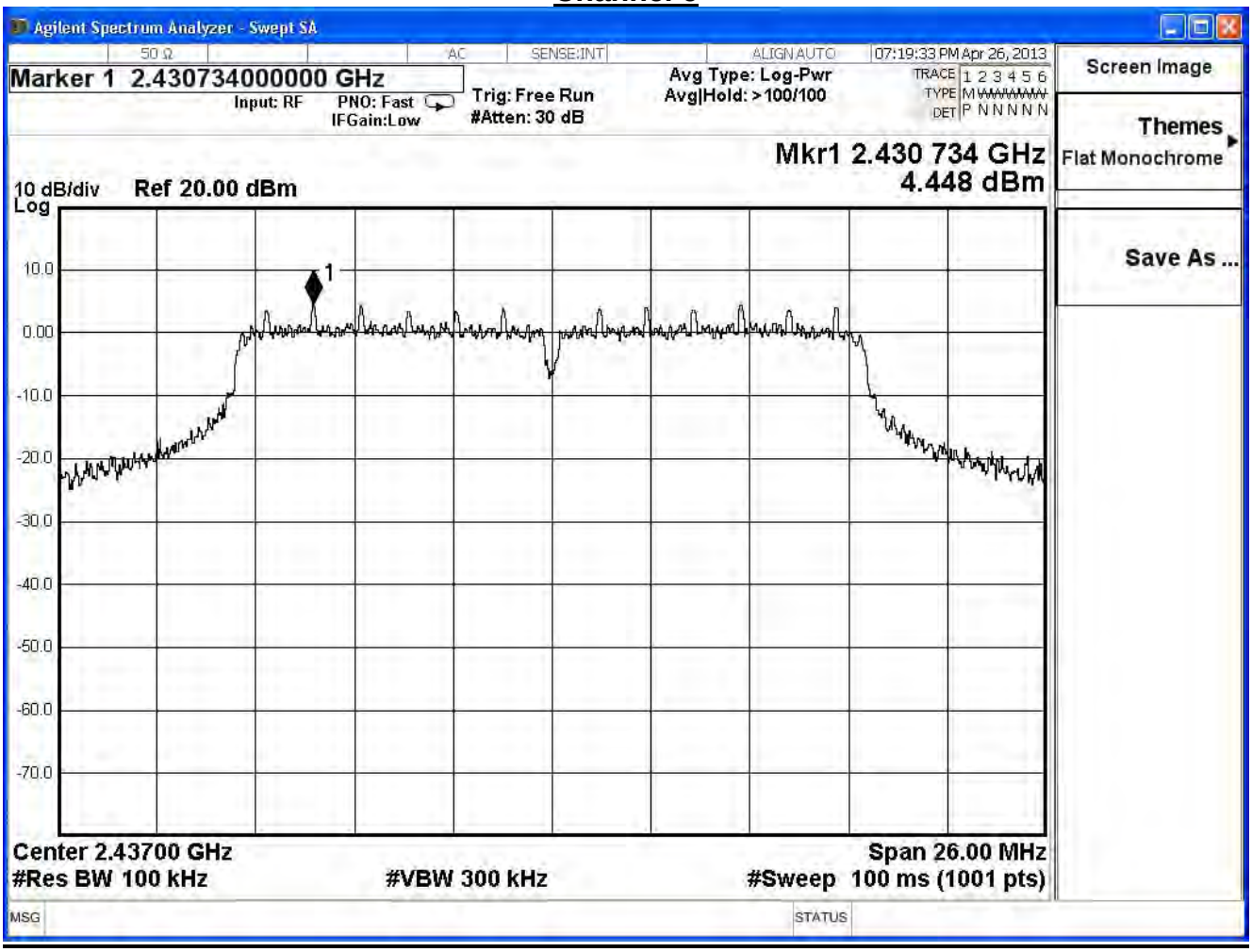
IEEE 802.11g					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	2.232	-12.968	≦8	Pass
6	2437	4.448	-10.752	≦8	Pass
11	2462	0.778	-14.422	≦8	Pass

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

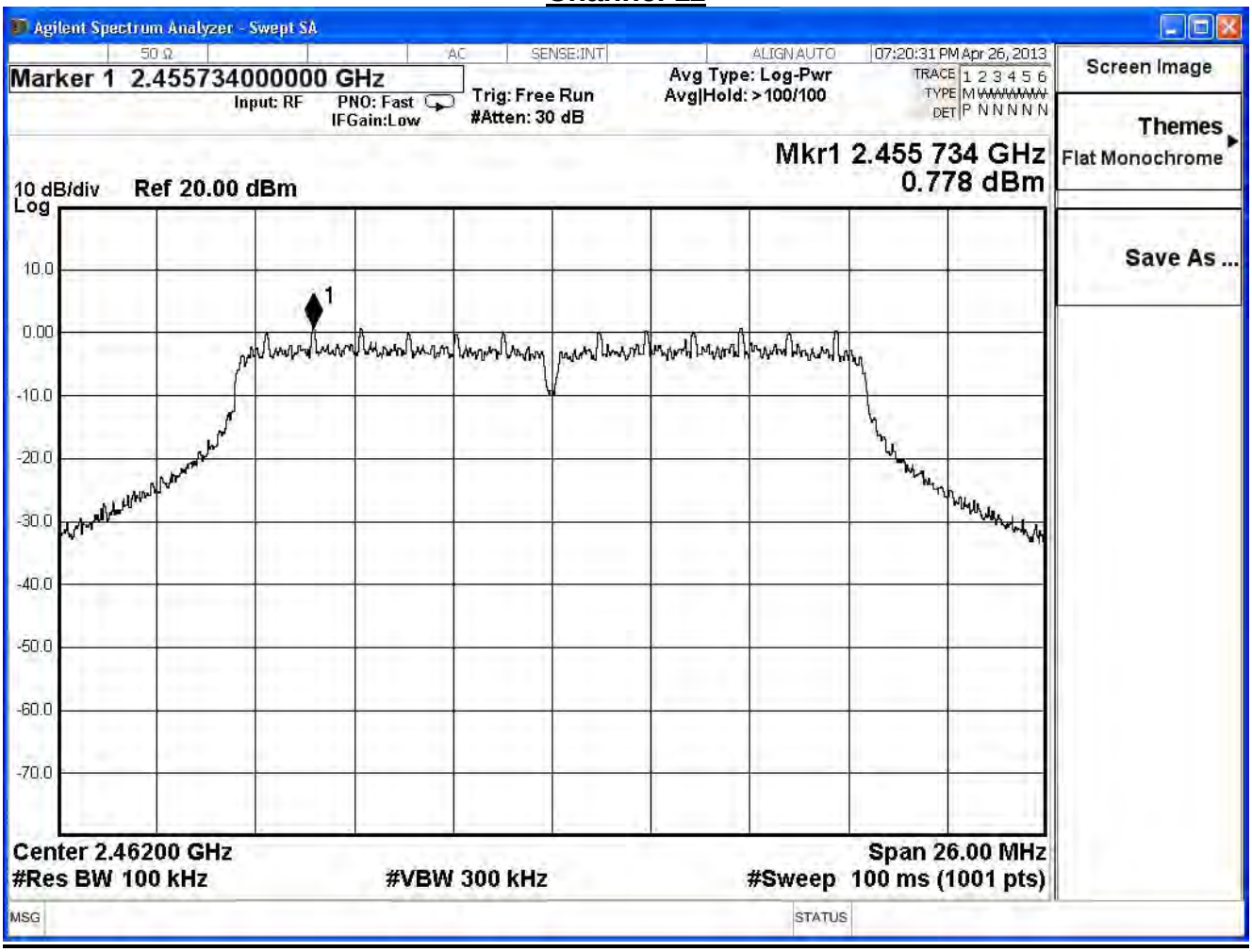
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:19:33 PM Apr 26, 2013
Marker 1 2.430734000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.430 734 GHz
4.448 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 11

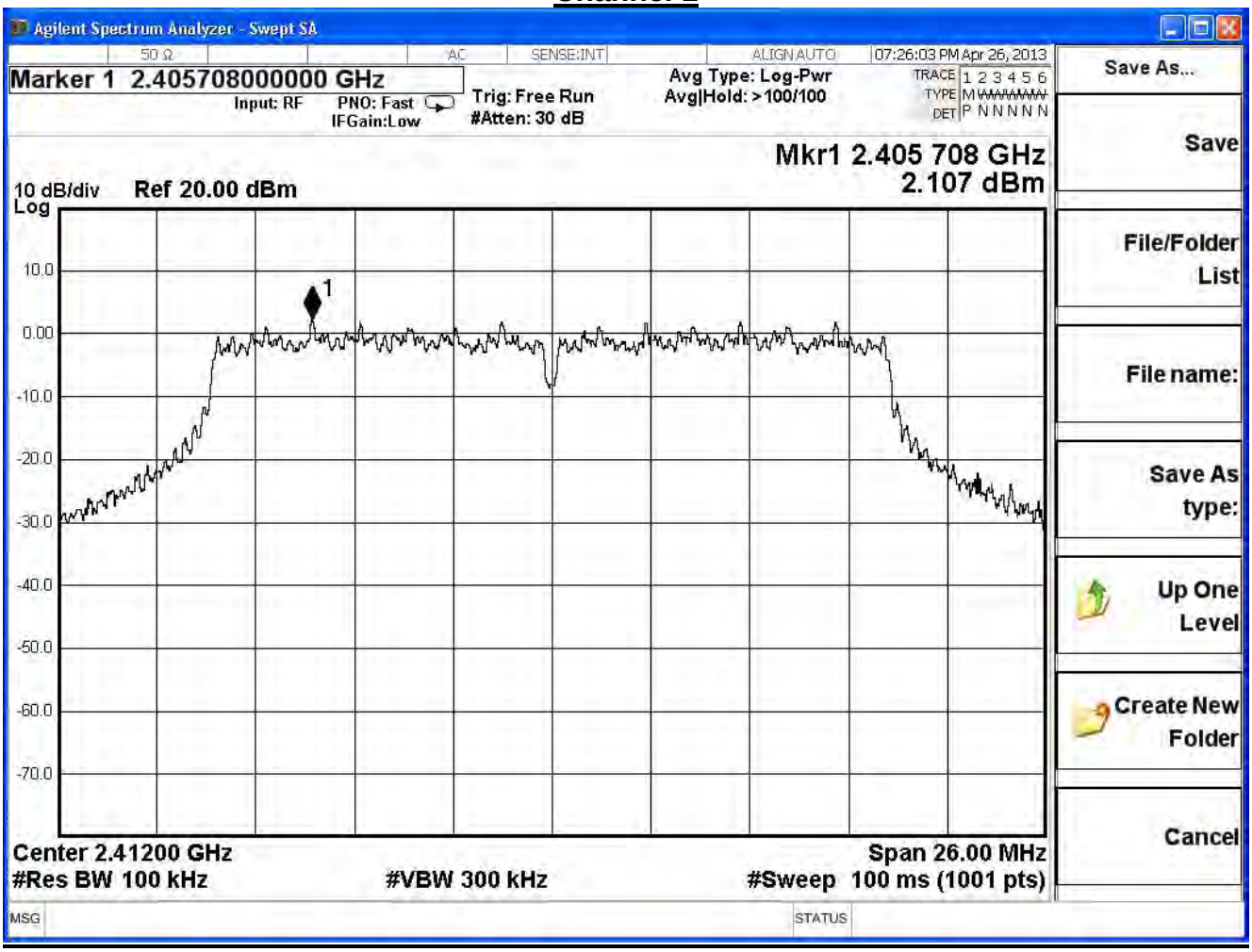

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:20:31 PM Apr 26, 2013
Marker 1 2.455734000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.455 734 GHz
0.778 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.46200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/04/26	Test Site	SR7

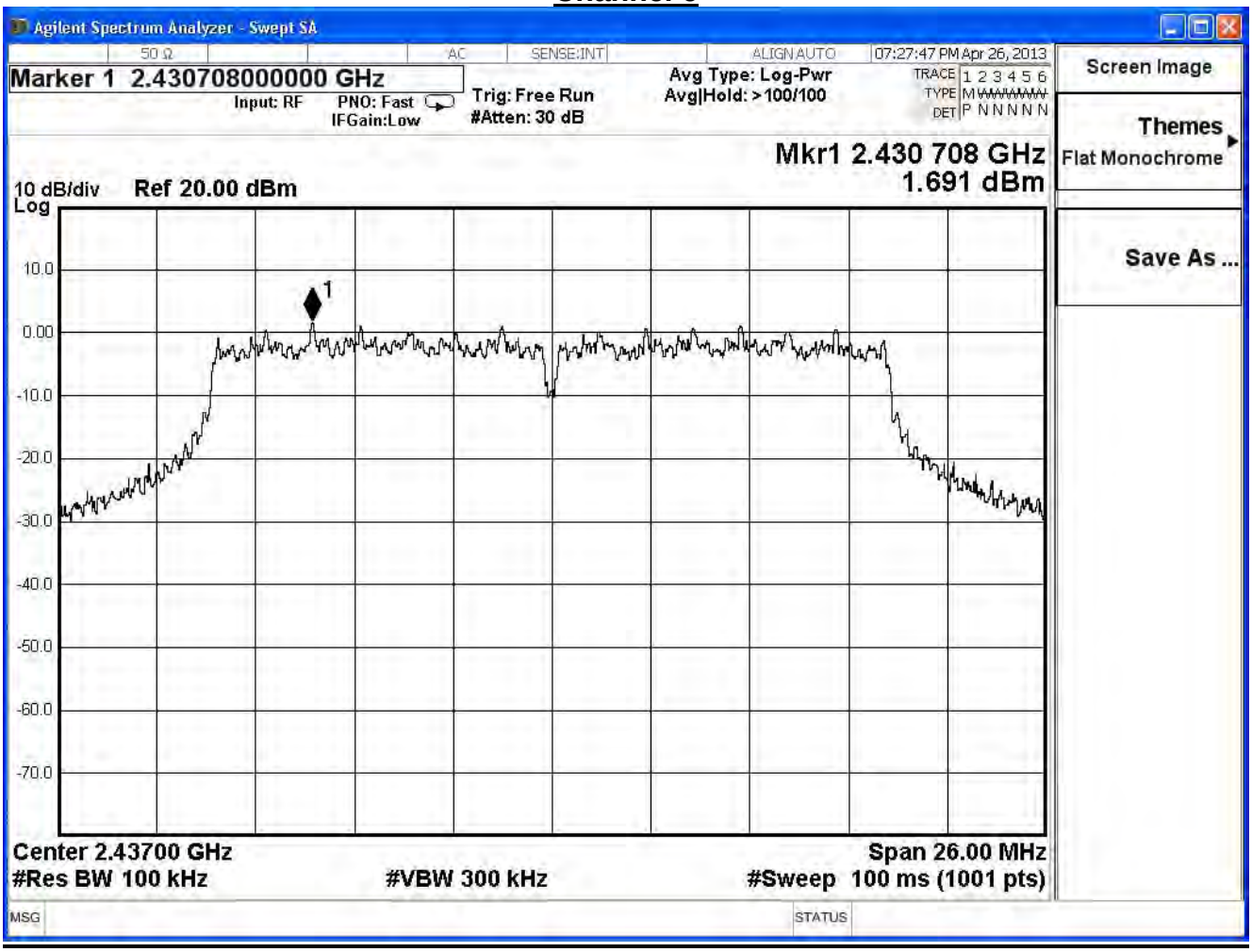
IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	2.107	-13.093	≦8	Pass
6	2437	1.691	-13.509	≦8	Pass
11	2462	0.363	-14.837	≦8	Pass

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

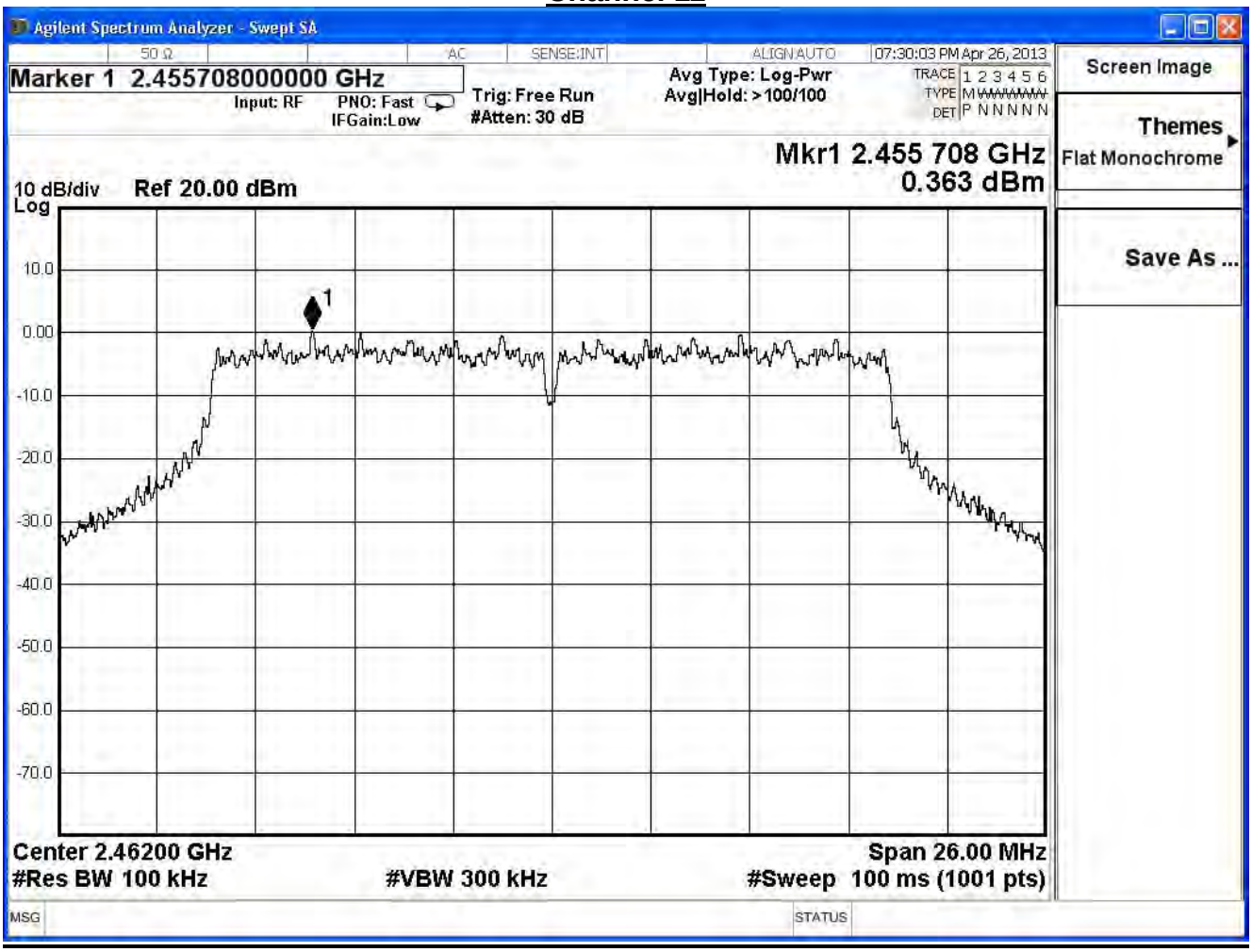
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:27:47 PM Apr 26, 2013
Marker 1 2.430708000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.430 708 GHz
1.691 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 11

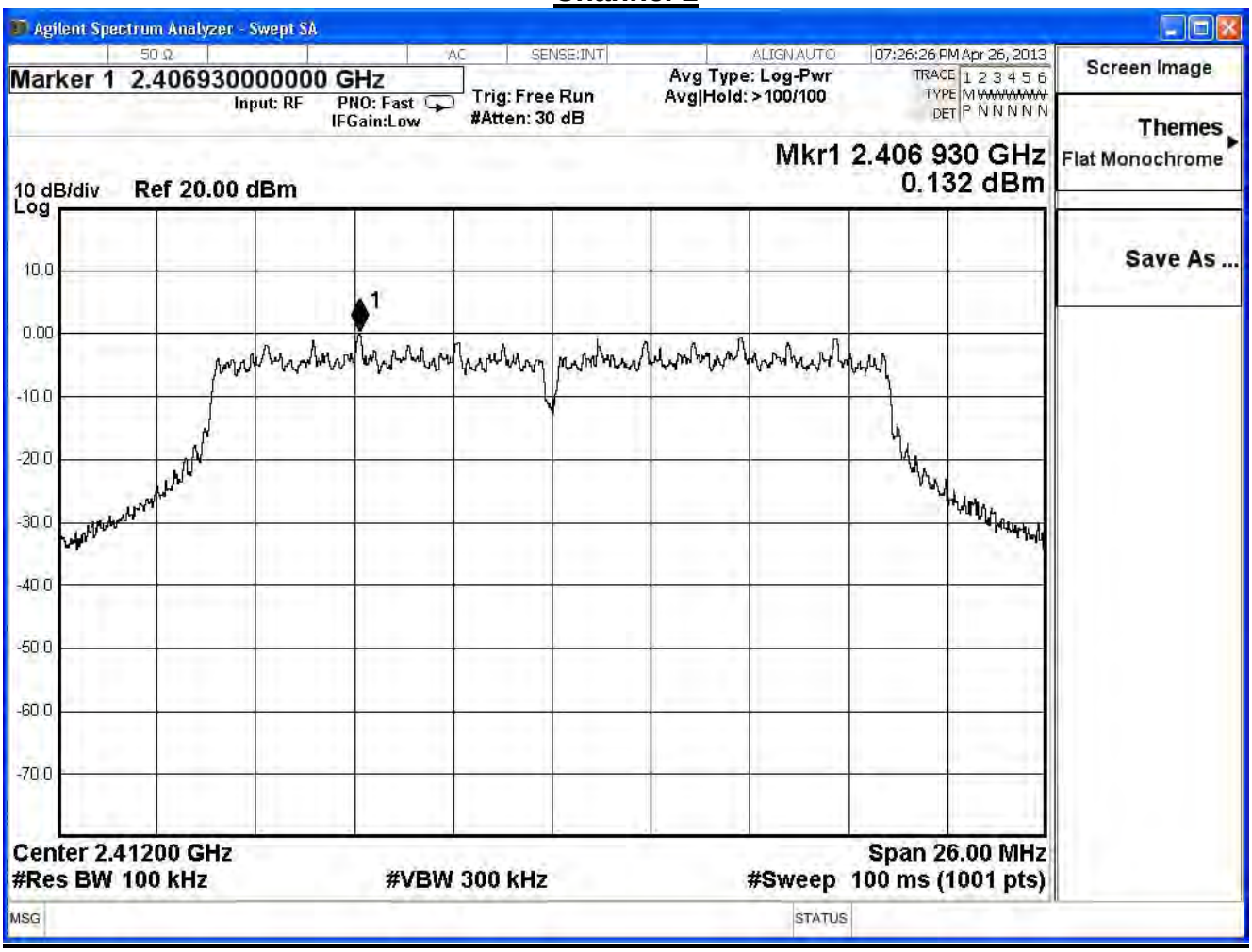

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:30:03 PM Apr 26, 2013
Marker 1 2.455708000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.455 708 GHz
0.363 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.46200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/04/26	Test Site	SR7

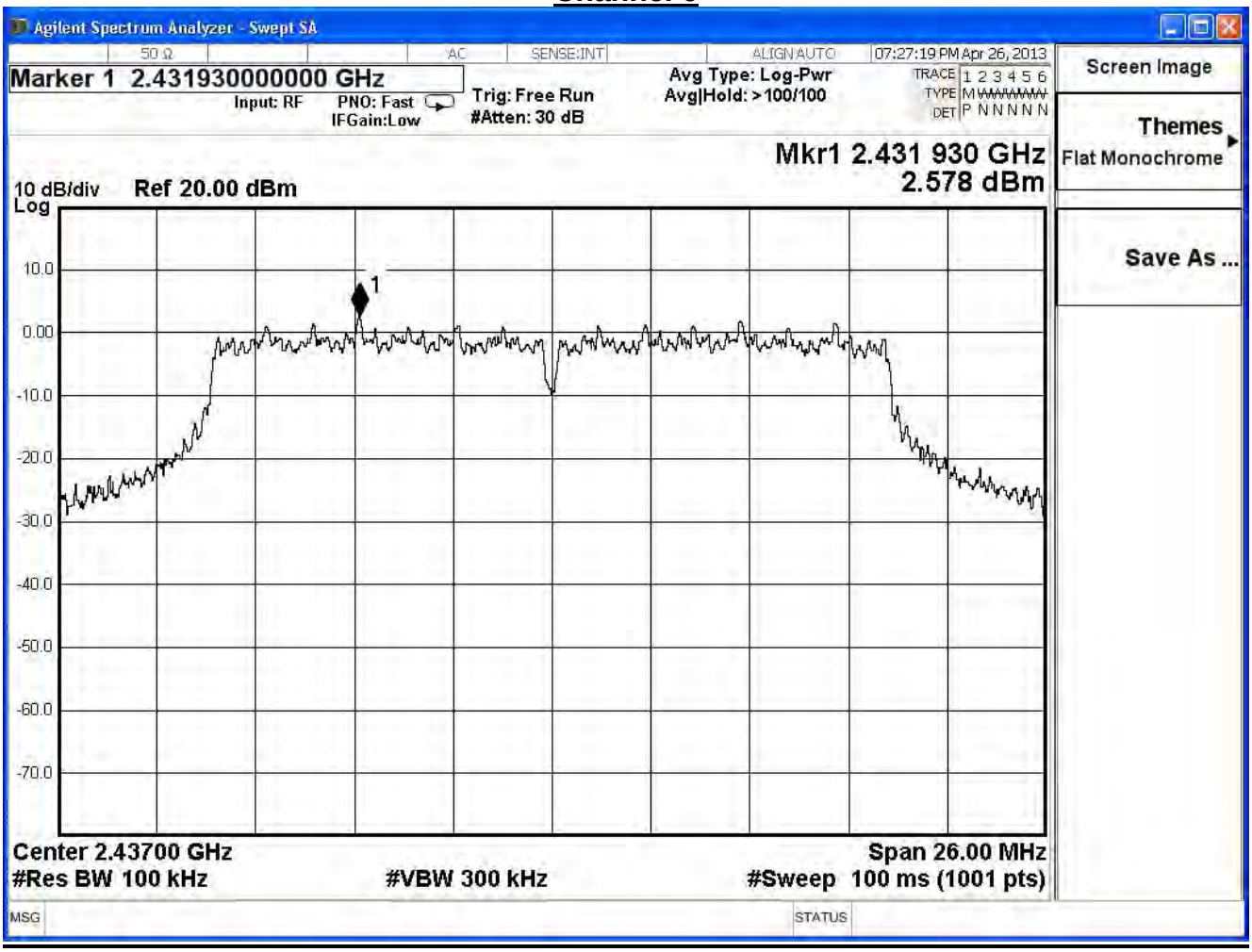
IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	0.132	-15.068	≦8	Pass
6	2437	2.578	-12.622	≦8	Pass
11	2462	-1.020	-16.220	≦8	Pass

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

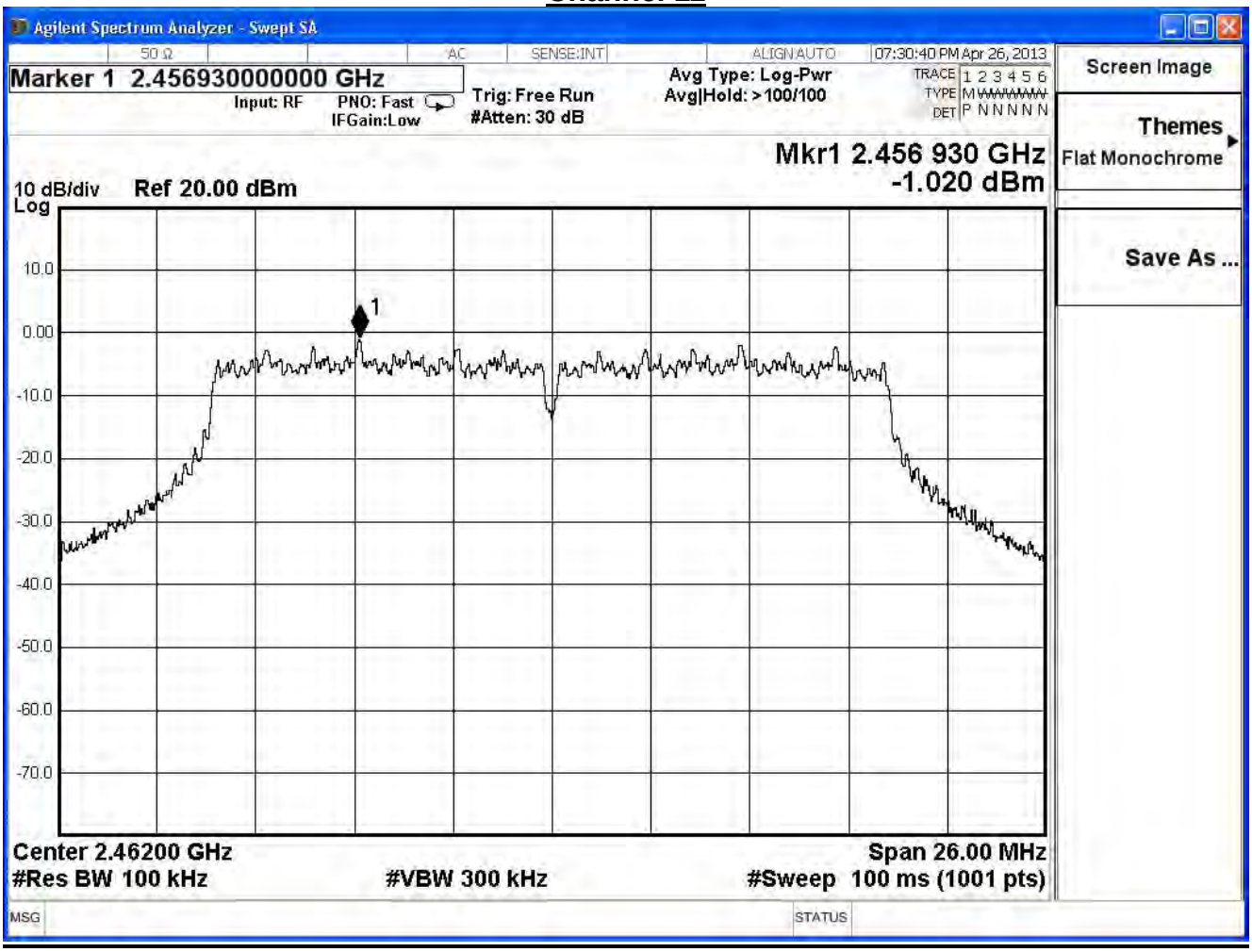
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:27:19 PM Apr 26, 2013
Marker 1 2.431930000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.431 930 GHz
2.578 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 11


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:30:40 PM Apr 26, 2013
Marker 1 2.456930000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.456 930 GHz
-1.020 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.46200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/04/26	Test Site	SR7

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

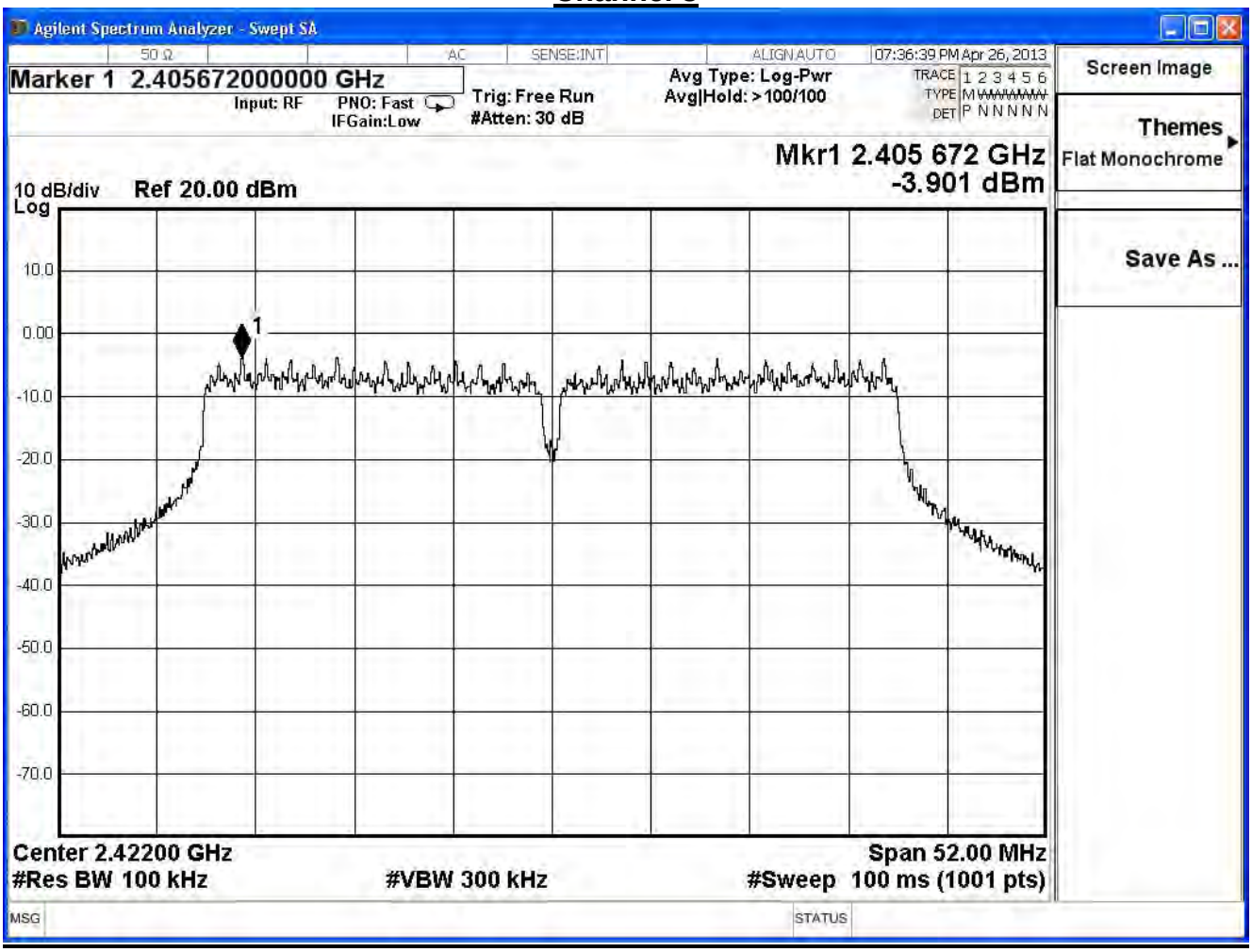
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
1	2412	-10.959	≦8	Pass
6	2437	-10.033	≦8	Pass
11	2462	-12.463	≦8	Pass

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/04/26	Test Site	SR7

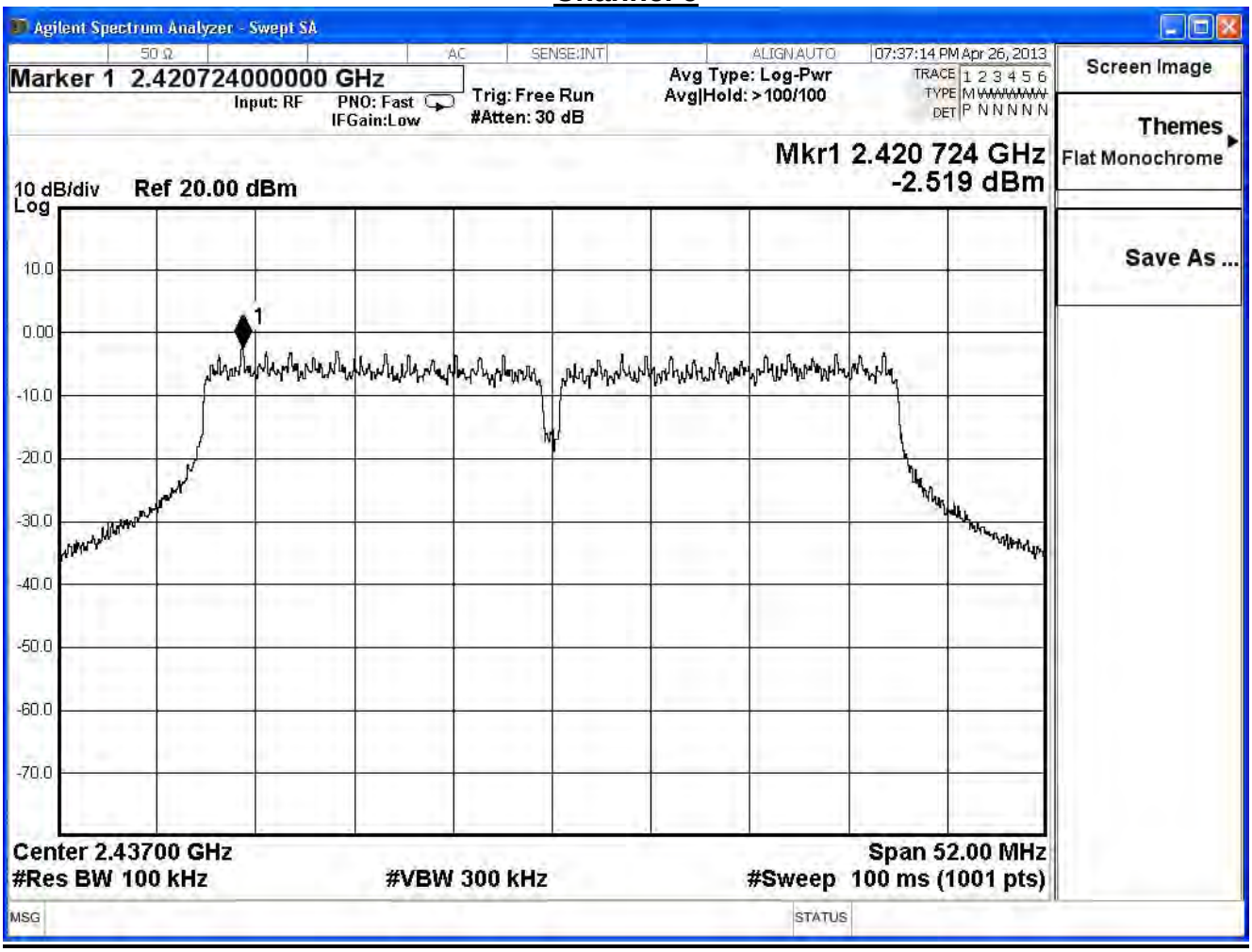
IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-3.901	-19.101	≦8	Pass
6	2437	-2.519	-17.719	≦8	Pass
9	2452	-4.149	-19.349	≦8	Pass

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

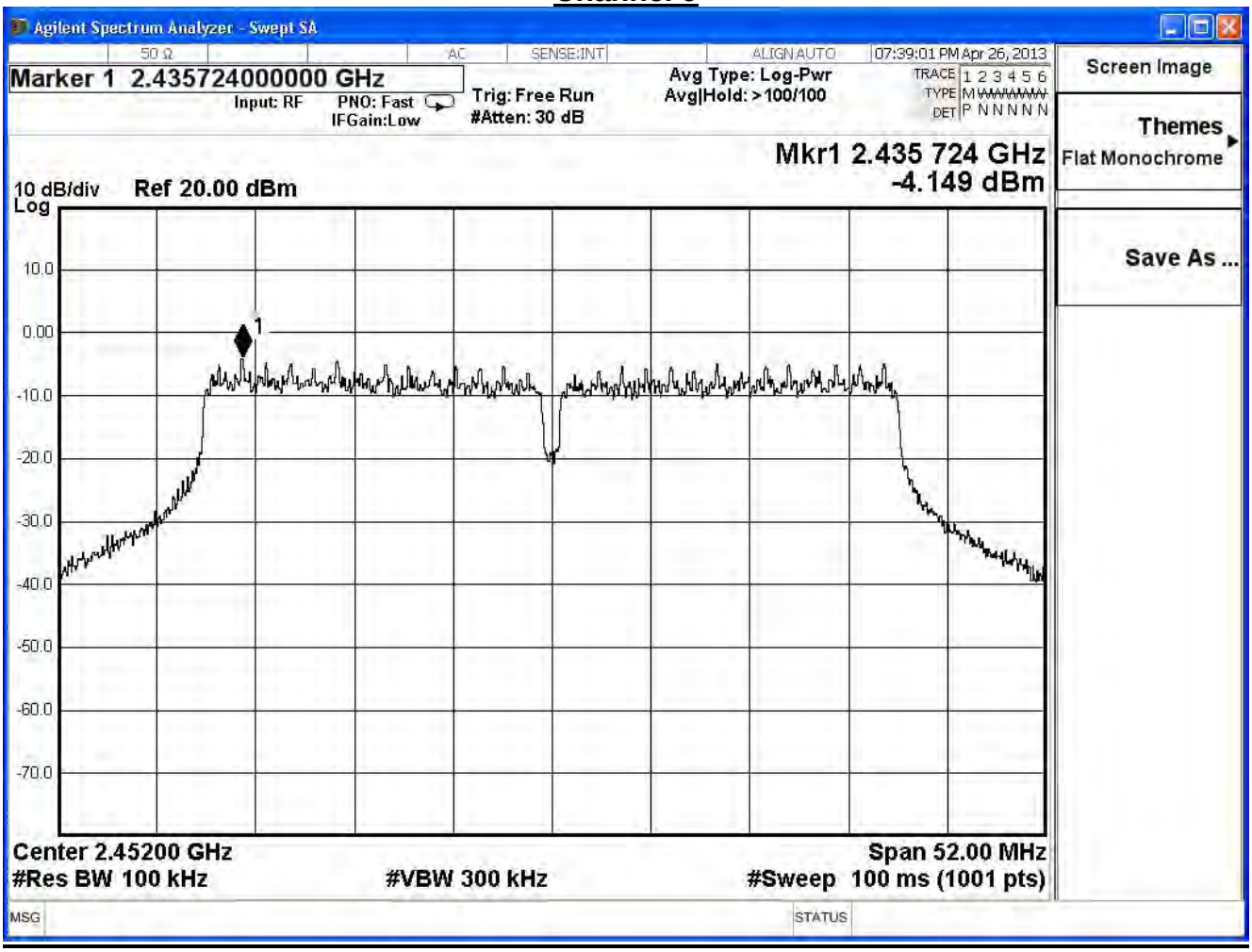
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:37:14 PM Apr 26, 2013
Marker 1 2.420724000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.420 724 GHz
-2.519 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 52.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 9

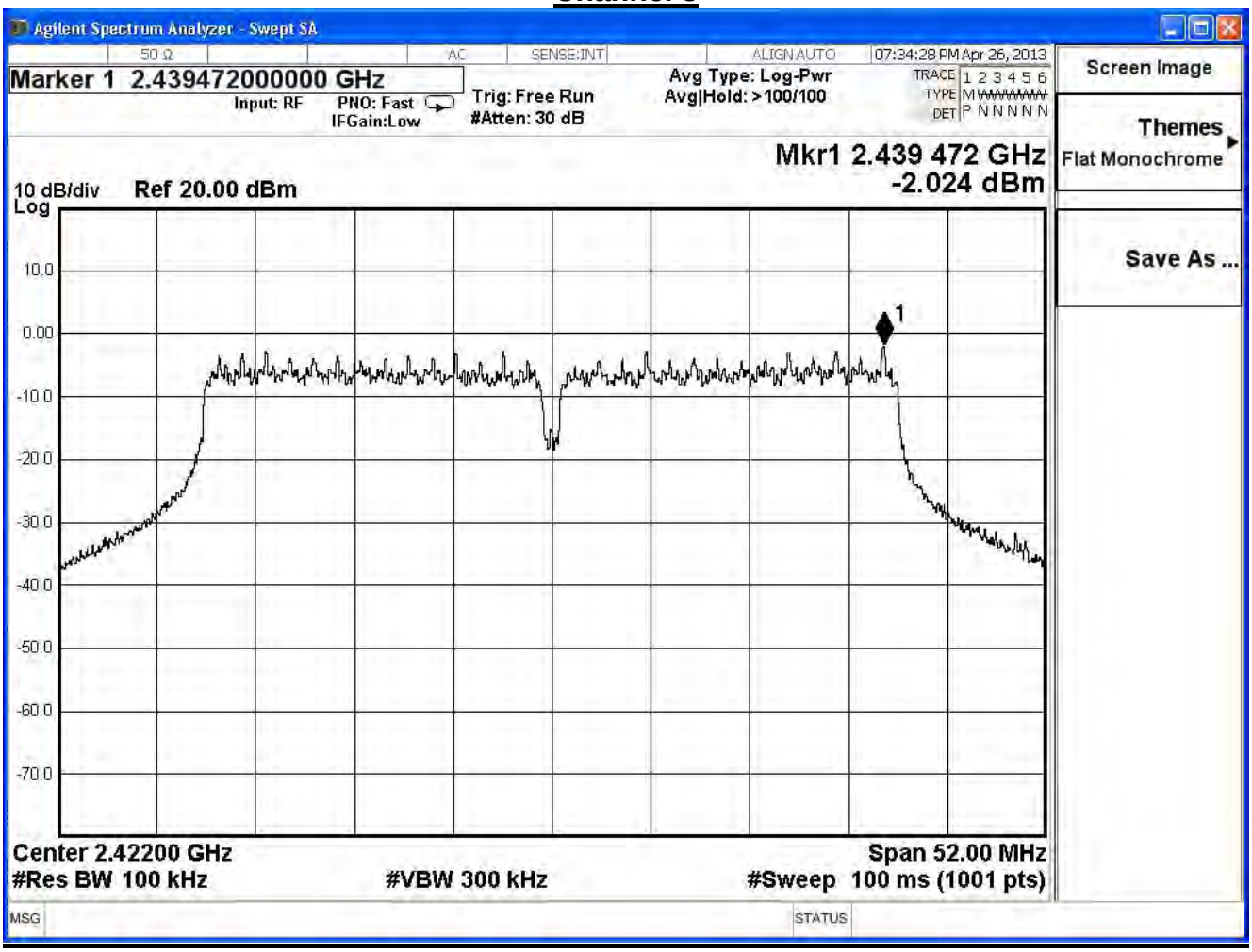

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:39:01 PM Apr 26, 2013
Marker 1 2.435724000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.435 724 GHz
-4.149 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.45200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 52.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/04/26	Test Site	SR7

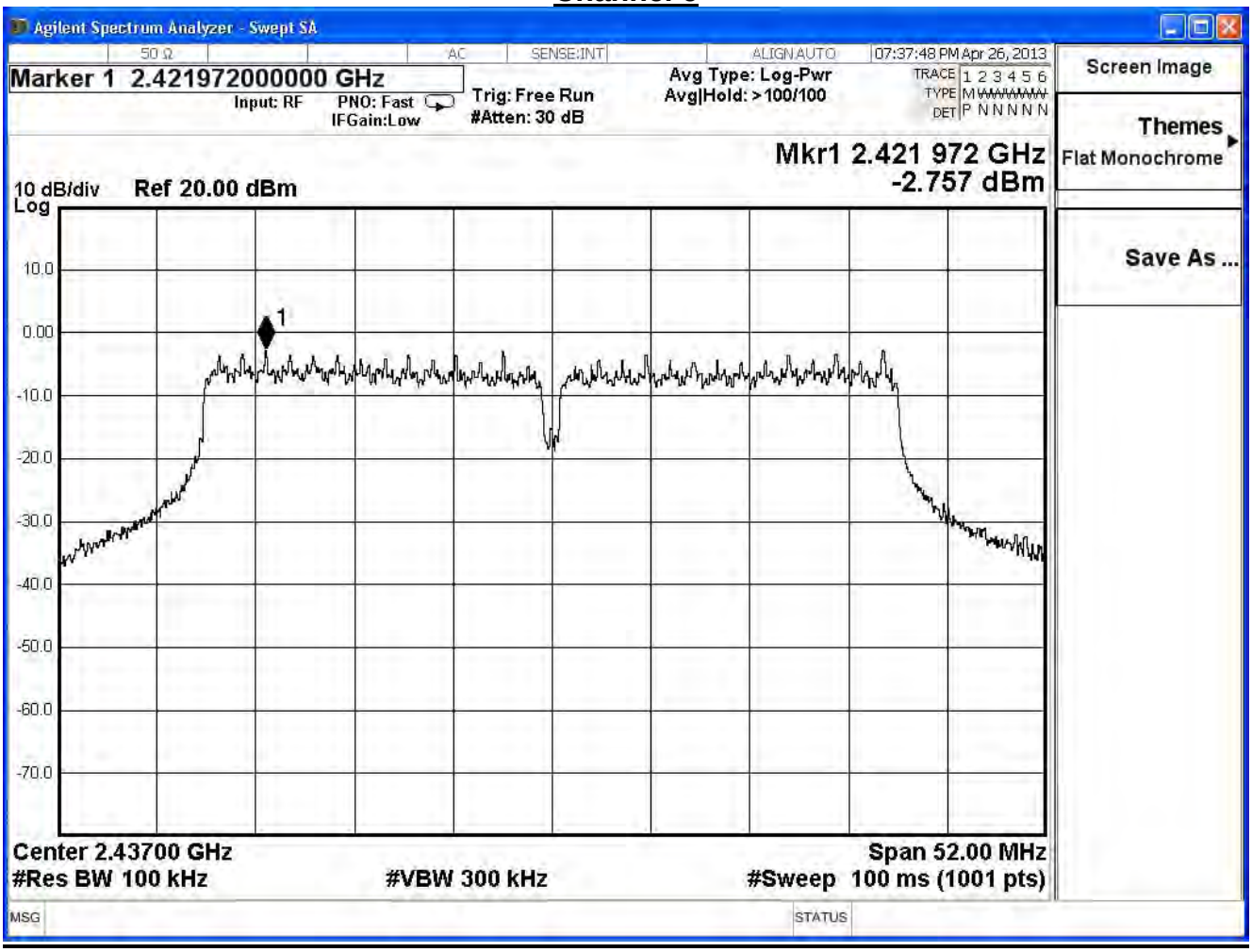
IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-2.024	-17.224	≦8	Pass
6	2437	-2.757	-17.957	≦8	Pass
9	2452	-3.063	-18.263	≦8	Pass

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

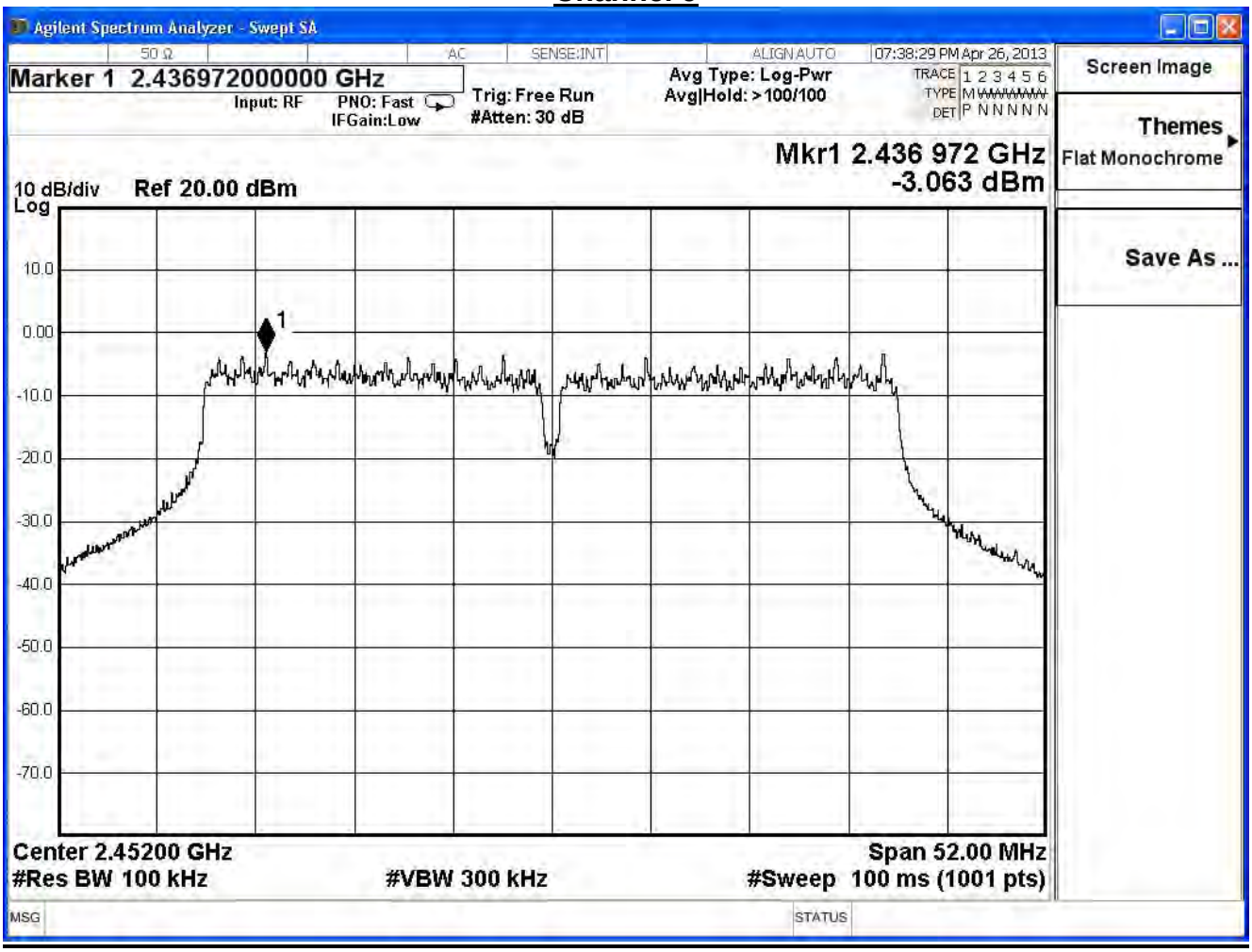
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:37:48 PM Apr 26, 2013
Marker 1 2.421972000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.421 972 GHz
-2.757 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1
Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 52.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 9


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:38:29 PM Apr 26, 2013
Marker 1 2.436972000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 2.436 972 GHz
-3.063 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.45200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 52.00 MHz
#Sweep 100 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/04/26	Test Site	SR7

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

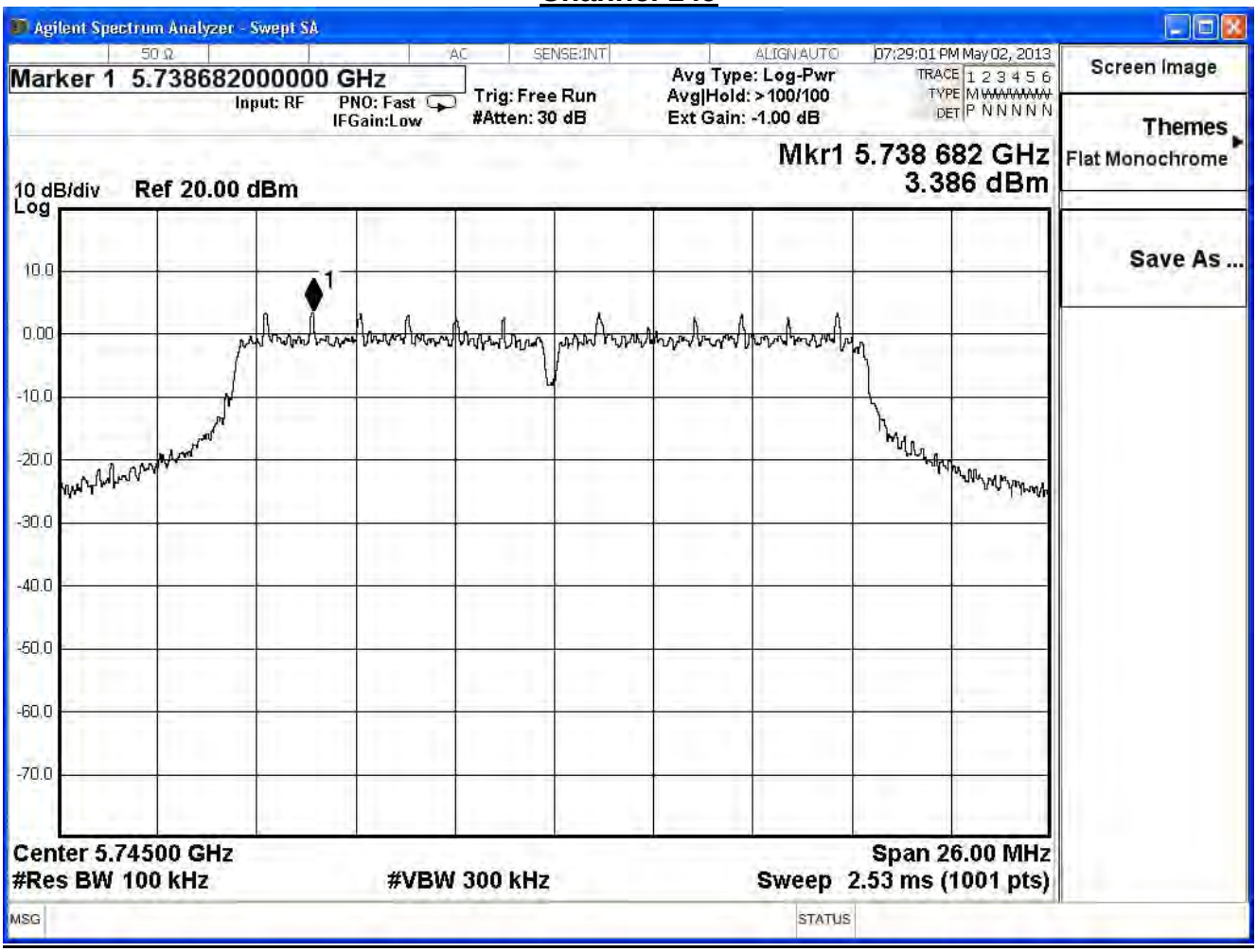
Channel No.	Frequency (MHz)	Measure Level(dBm)	Limit (dBm)	Result
3	2422	-15.052	≦8	Pass
6	2437	-14.826	≦8	Pass
9	2452	-15.762	≦8	Pass

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

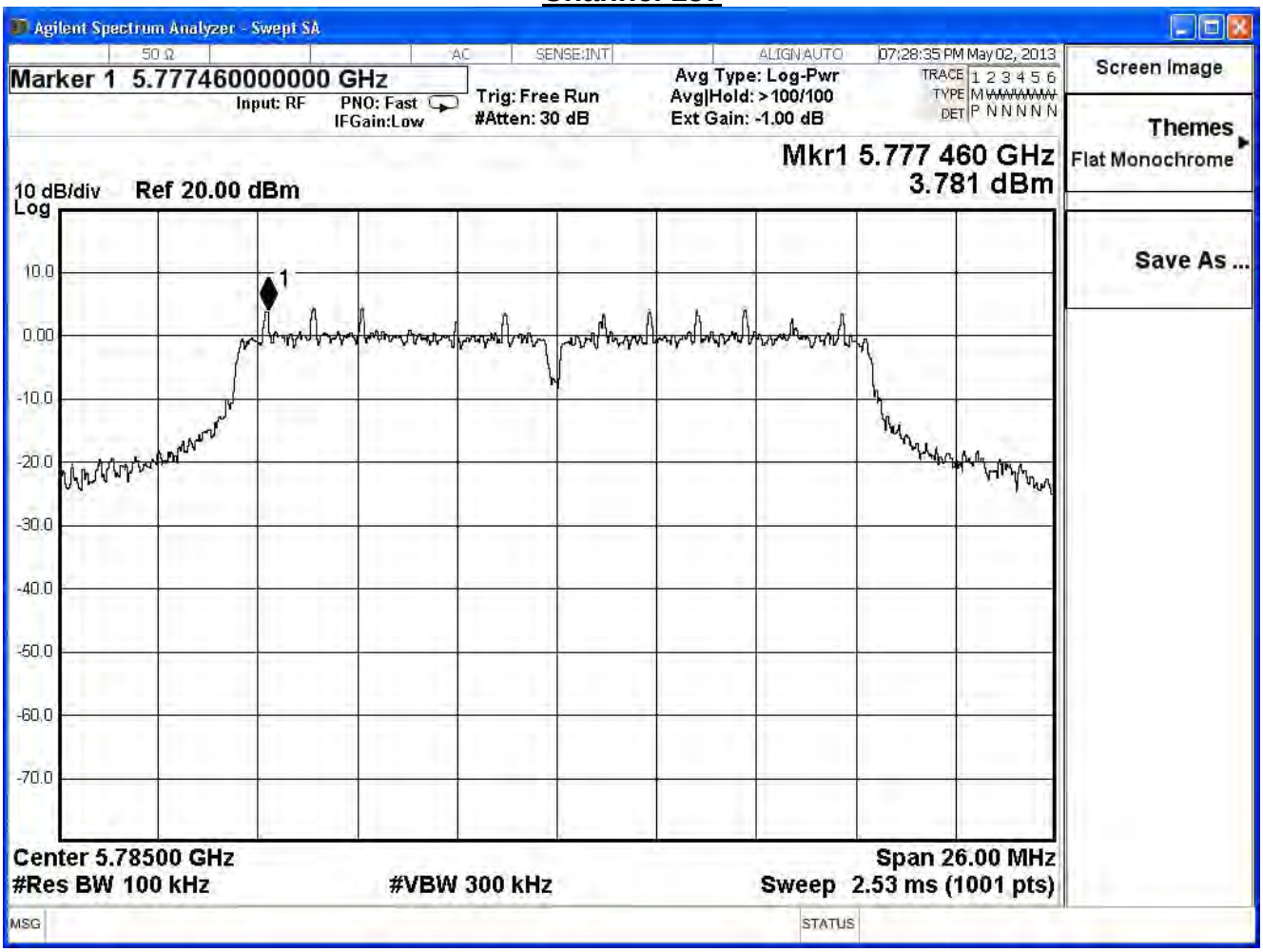
IEEE 802.11a					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	3.386	-11.814	≦8	Pass
157	5785	3.781	-11.419	≦8	Pass
165	5825	4.568	-10.632	≦8	Pass

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

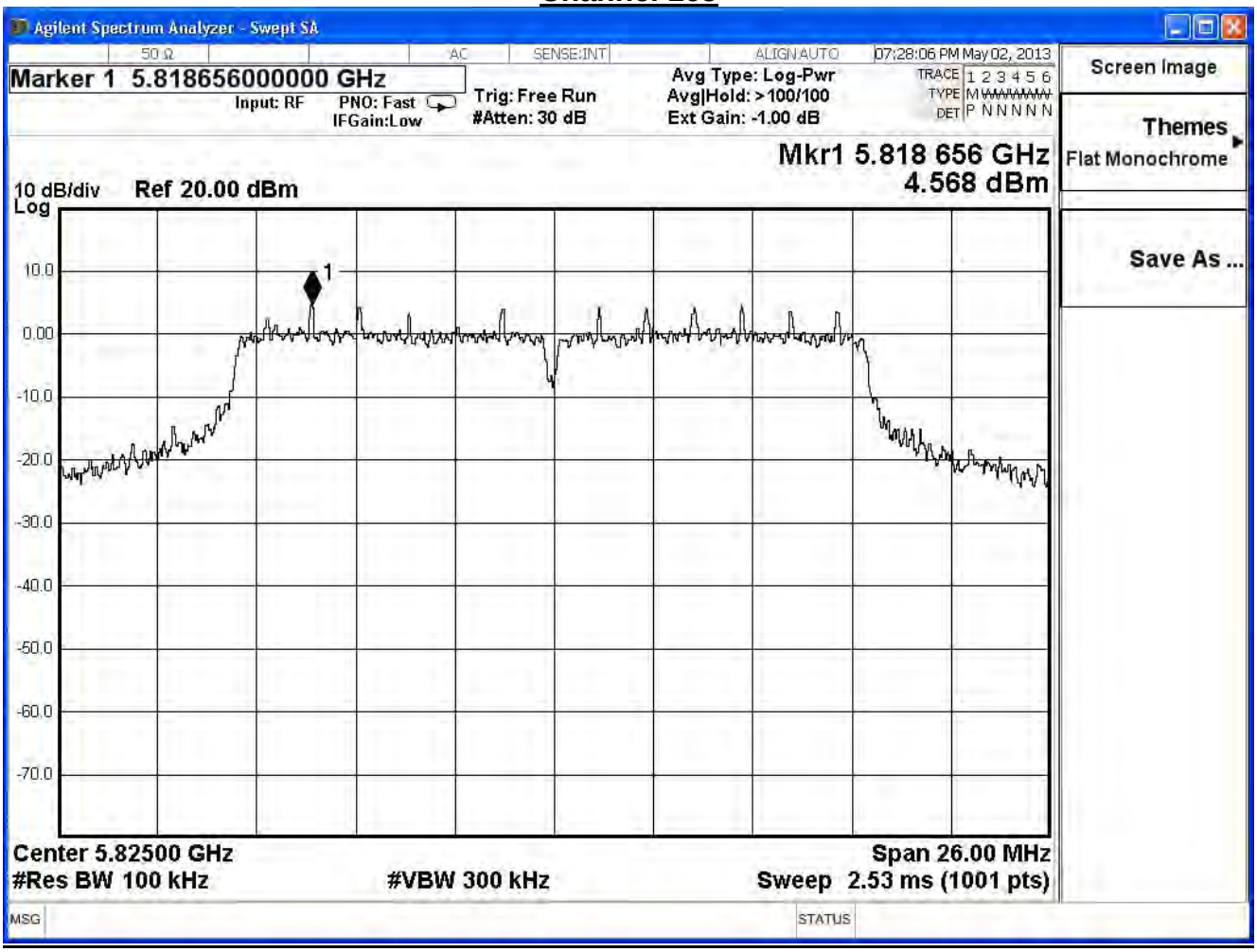
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:28:35 PM May 02, 2013
Marker 1 5.777460000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.777 460 GHz
3.781 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 165

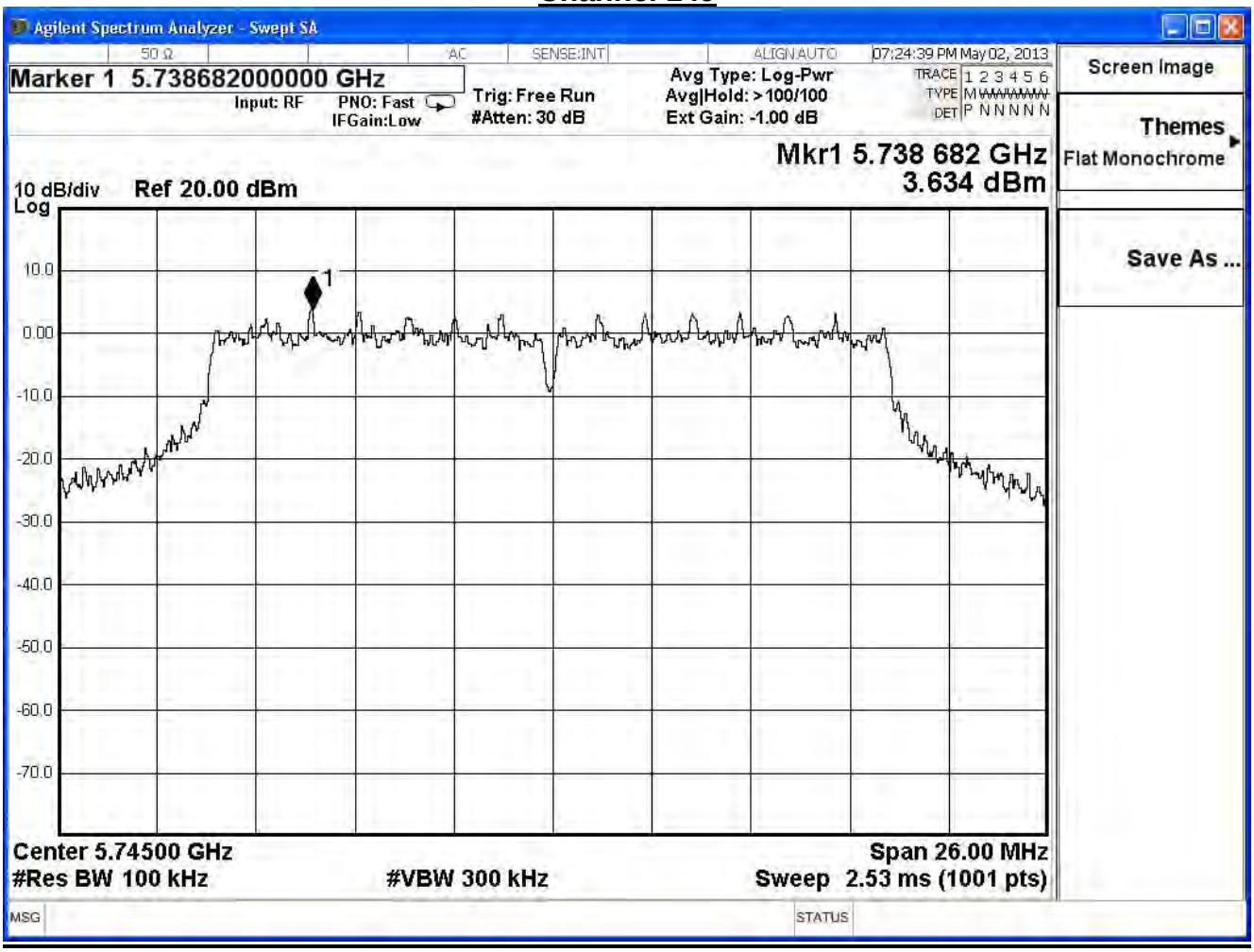

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:28:06 PM May 02, 2013
Marker 1 5.818656000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.818 656 GHz
4.568 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

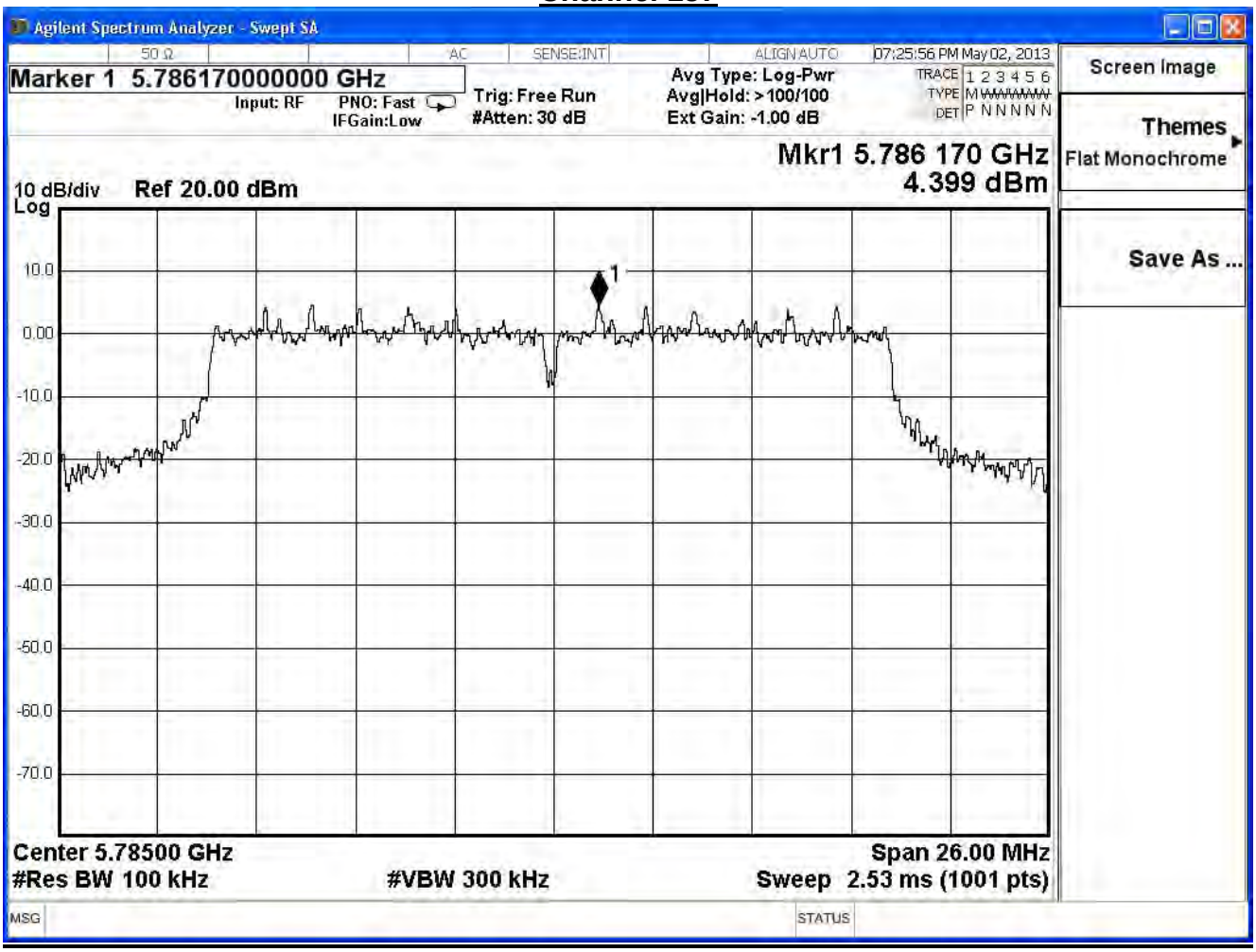
IEEE802.11n_20MHz_(ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	3.634	-11.566	≦8	Pass
157	5785	4.399	-10.801	≦8	Pass
165	5825	5.080	-10.120	≦8	Pass

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

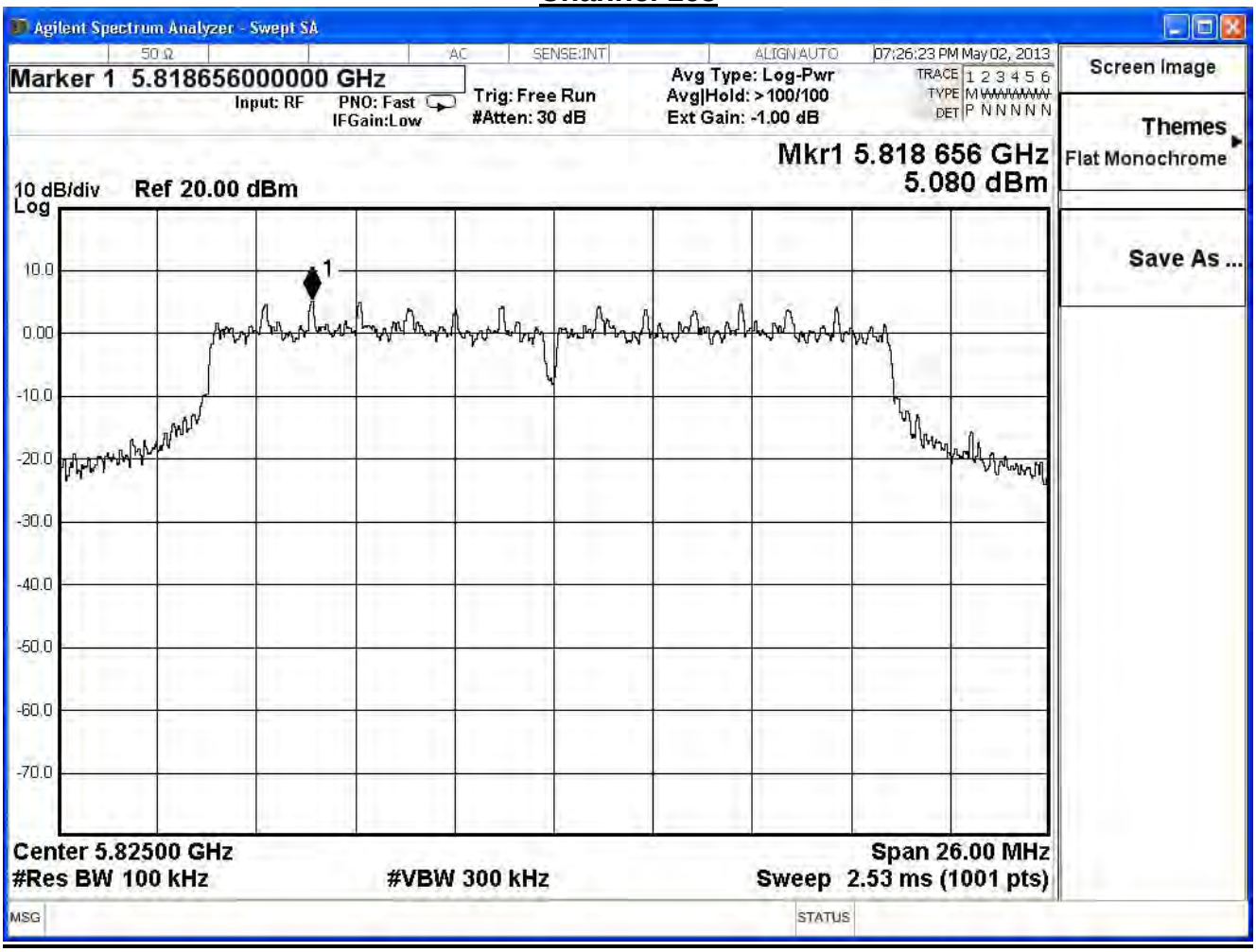
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:25:56 PM May 02, 2013
Marker 1 5.786170000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.786 170 GHz
4.399 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 165

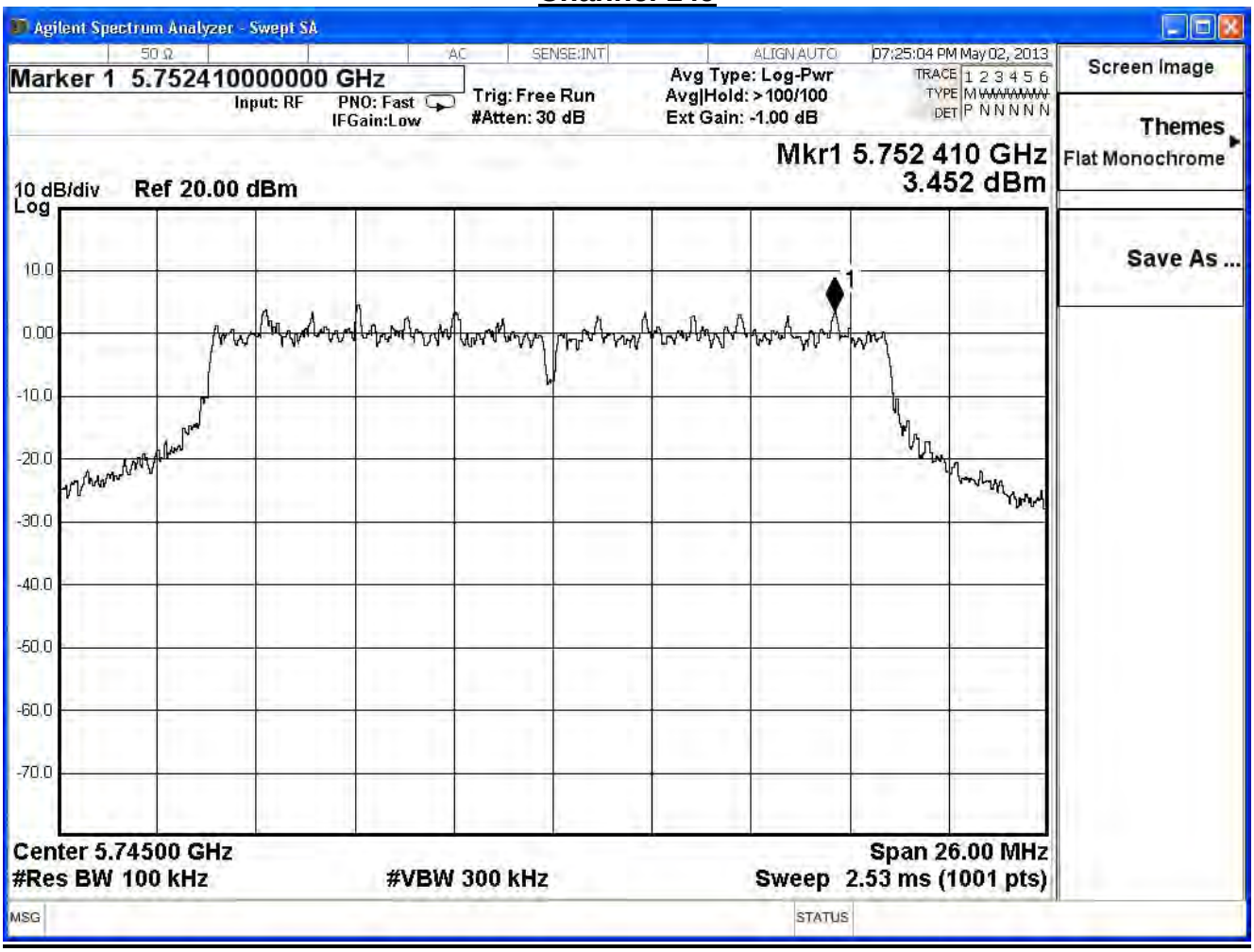

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:26:23 PM May 02, 2013
Marker 1 5.818656000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.818 656 GHz
5.080 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

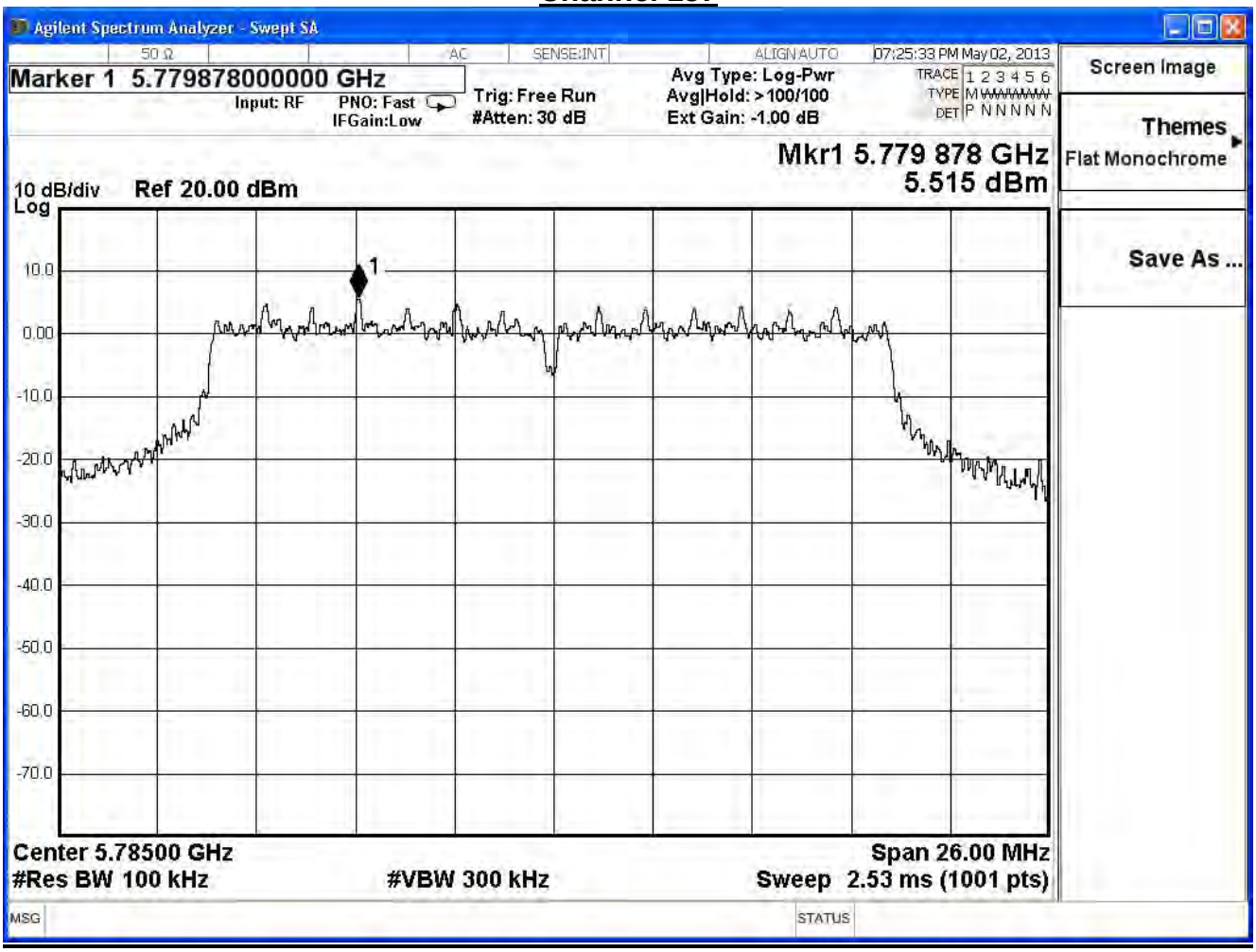
IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
149	5745	3.452	-11.748	≦8	Pass
157	5785	5.515	-9.685	≦8	Pass
165	5825	5.458	-9.742	≦8	Pass

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

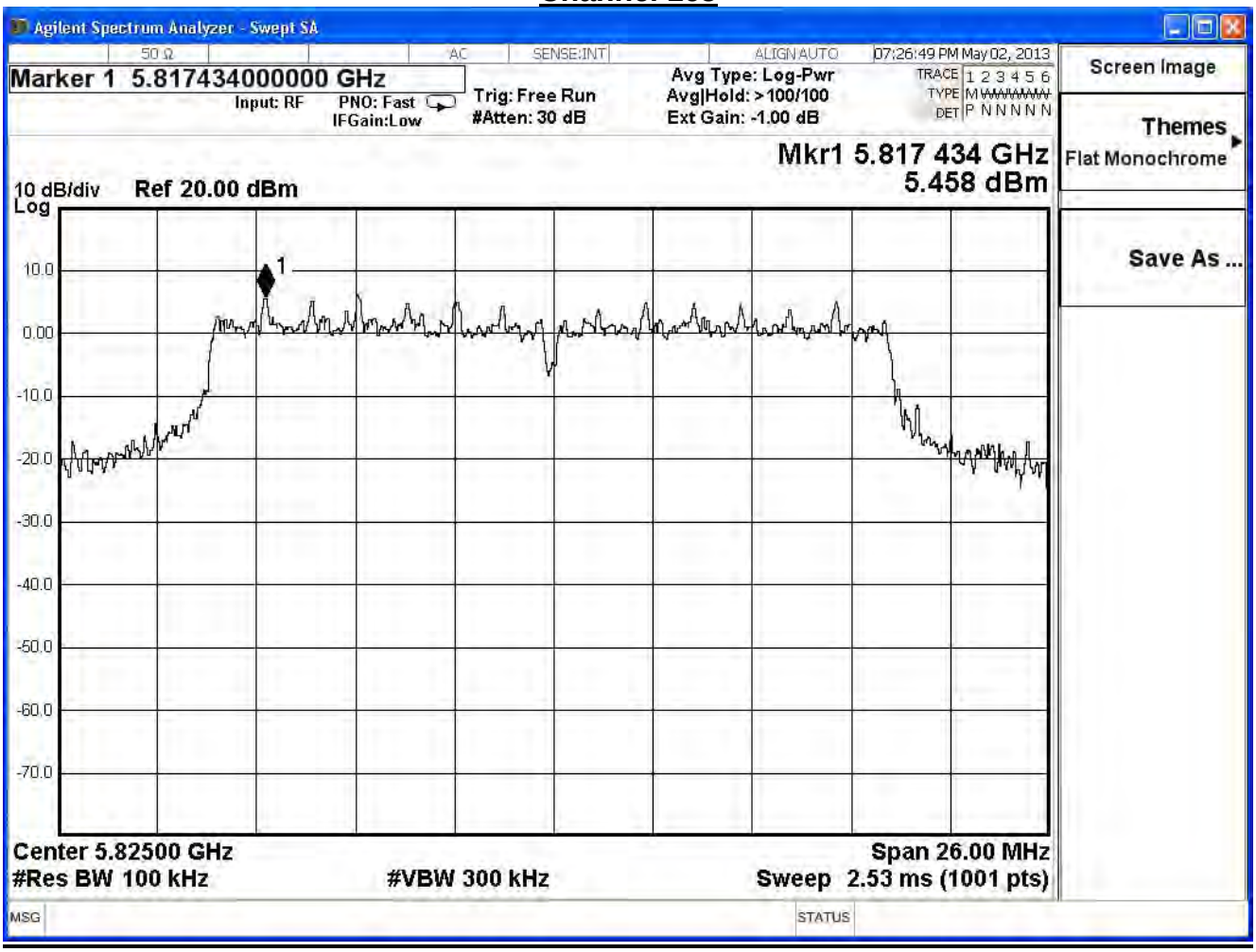
Channel 149



Channel 157


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:25:33 PM May 02, 2013
Marker 1 5.779878000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M WWWWW
DET P N N N N N
Mkr1 5.779 878 GHz
5.515 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.78500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 165


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:26:49 PM May 02, 2013
Marker 1 5.817434000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.817 434 GHz
5.458 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 26.00 MHz
Sweep 2.53 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

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

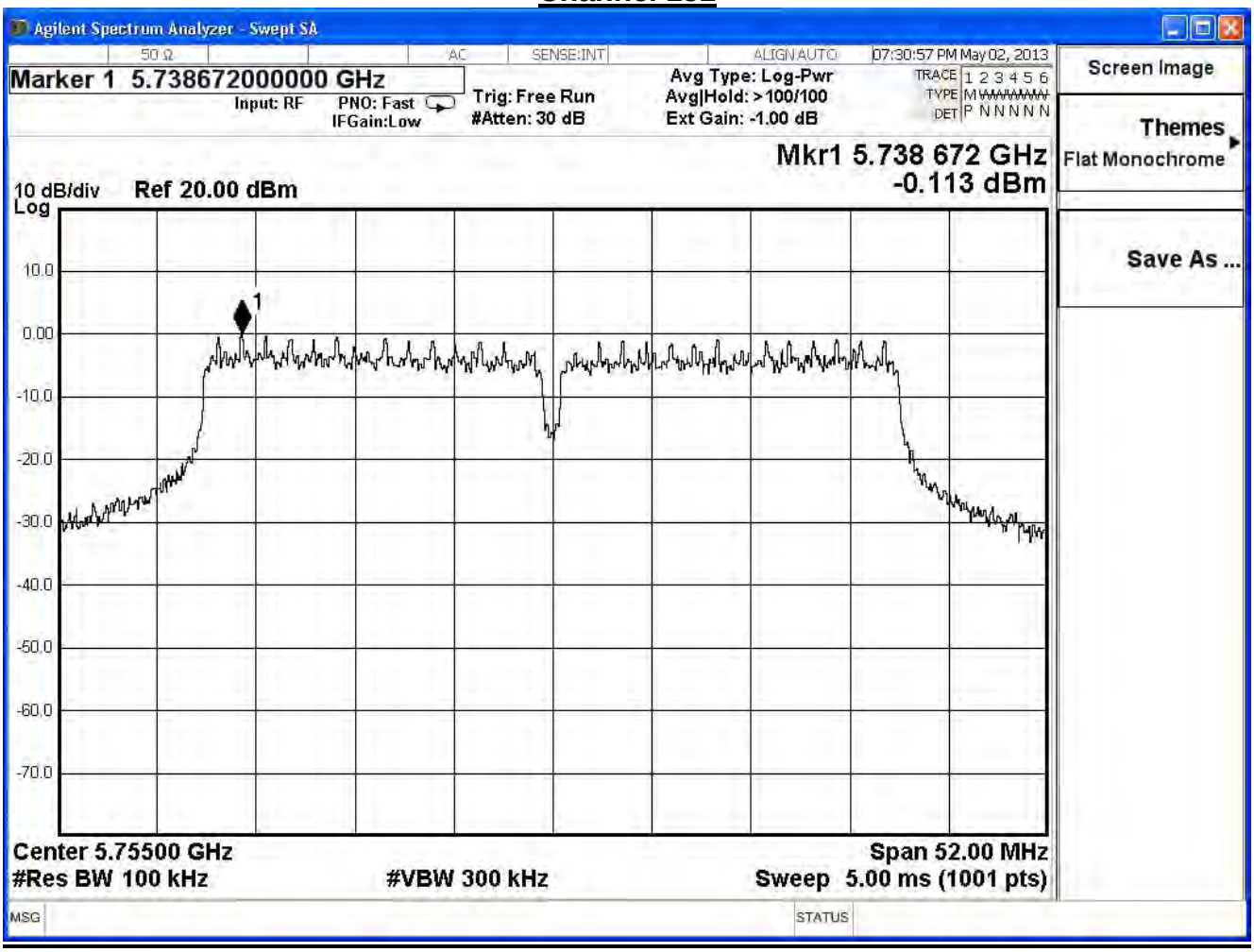
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-8.646	≦8	Pass
157	5785	-7.197	≦8	Pass
165	5825	-6.917	≦8	Pass

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

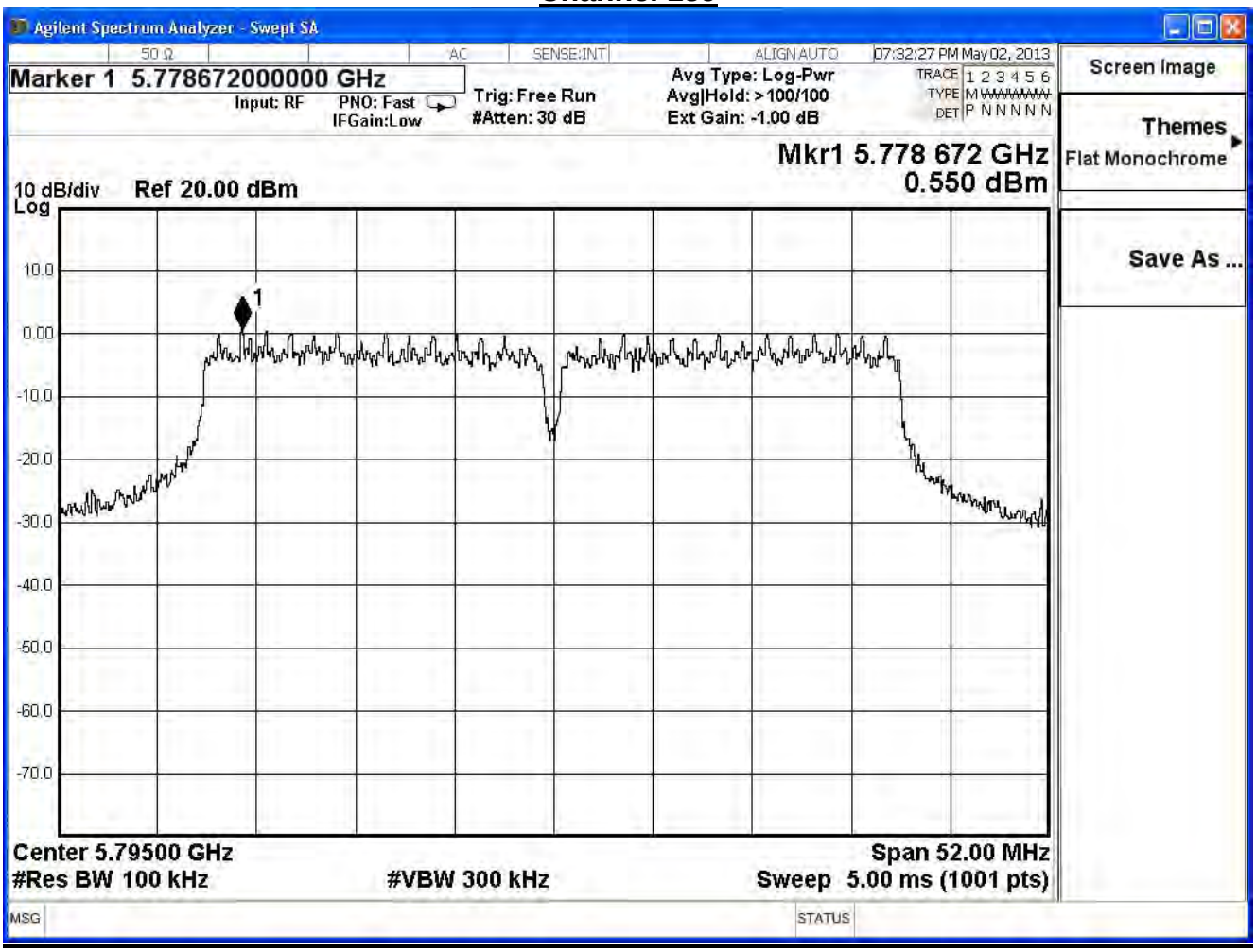
IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	-0.113	-15.313	≦8	Pass
159	5795	0.550	-14.650	≦8	Pass

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

Channel 151



Channel 159

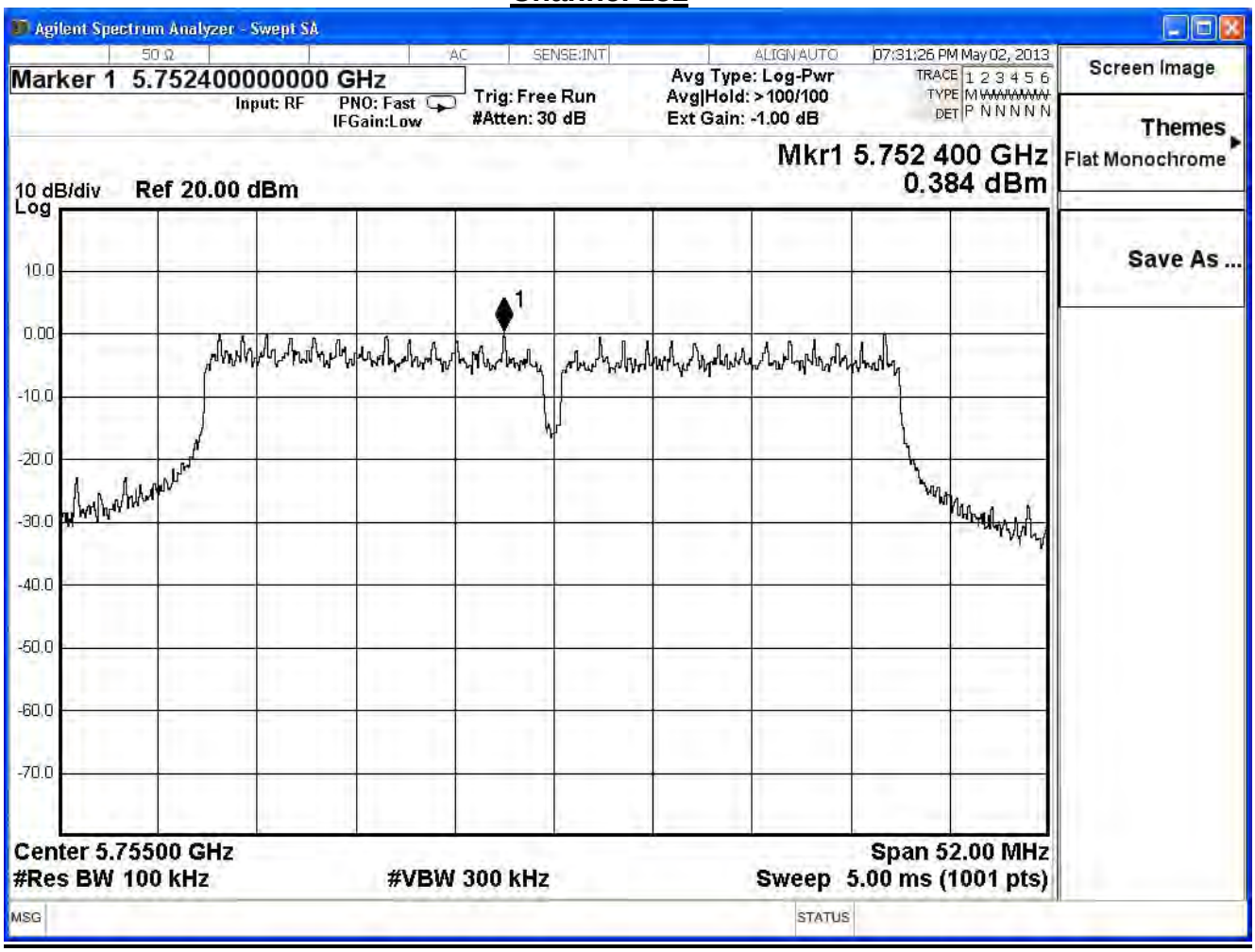

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:32:27 PM May 02, 2013
Marker 1 5.778672000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.778 672 GHz
0.550 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 52.00 MHz
Sweep 5.00 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

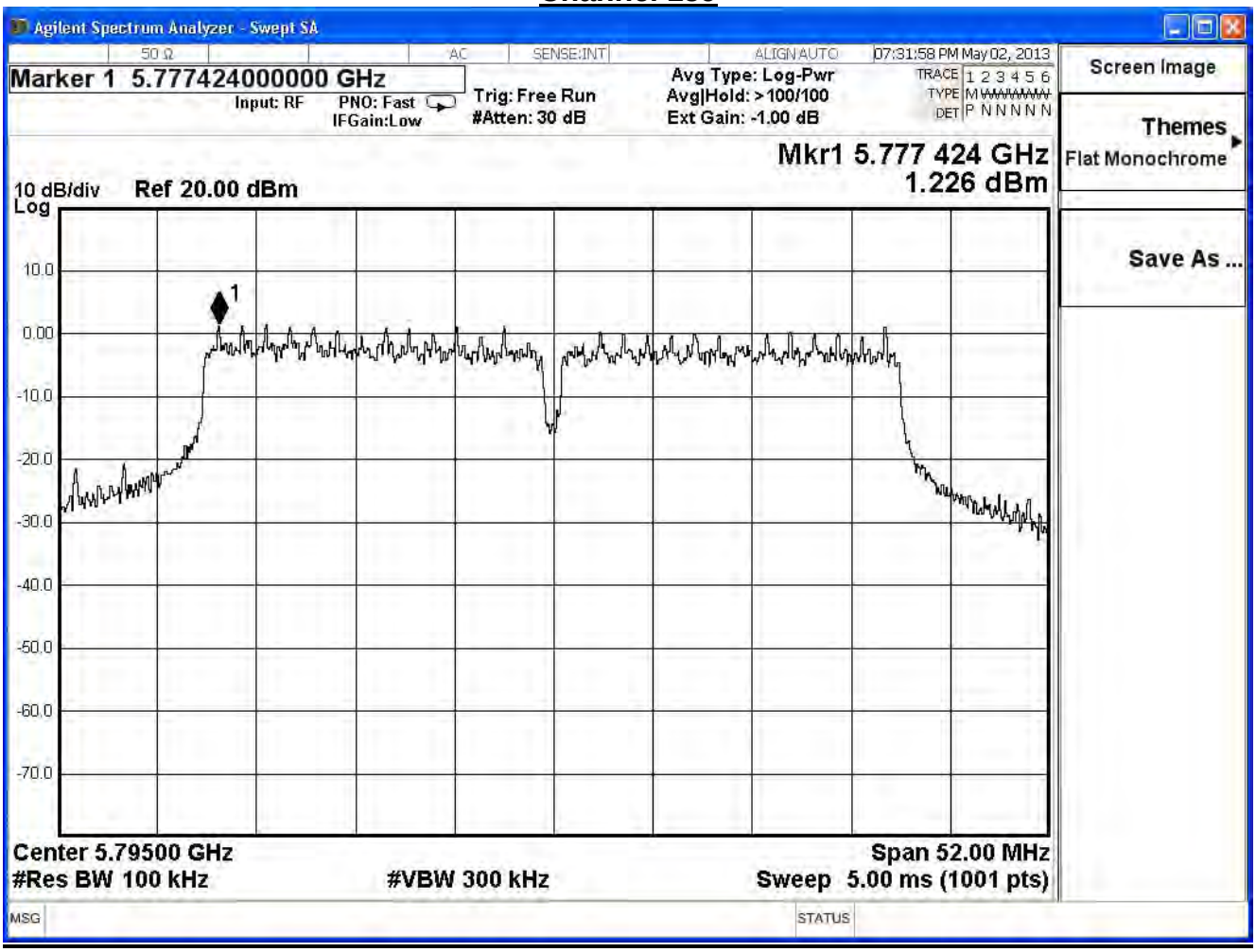
IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level(dBm)	Measure Level(dBm)	Limit (dBm)	Result
151	5755	0.384	-14.816	≦8	Pass
159	5795	1.226	-13.974	≦8	Pass

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

Channel 151



Channel 159


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:31:58 PM May 02, 2013
Marker 1 5.777424000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: >100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Mkr1 5.777 424 GHz
1.226 dBm
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 52.00 MHz
Sweep 5.00 ms (1001 pts)
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	11N Wireless LAN CARD		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2013/05/02	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-12.047	≦8	Pass
159	5795	-11.289	≦8	Pass