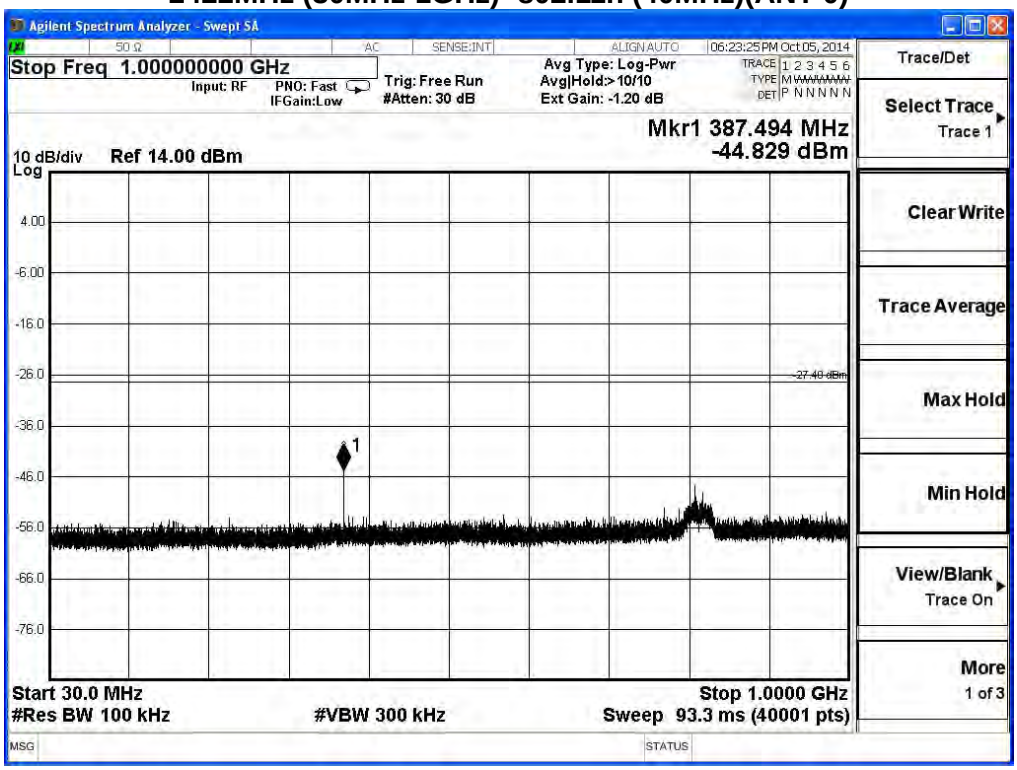
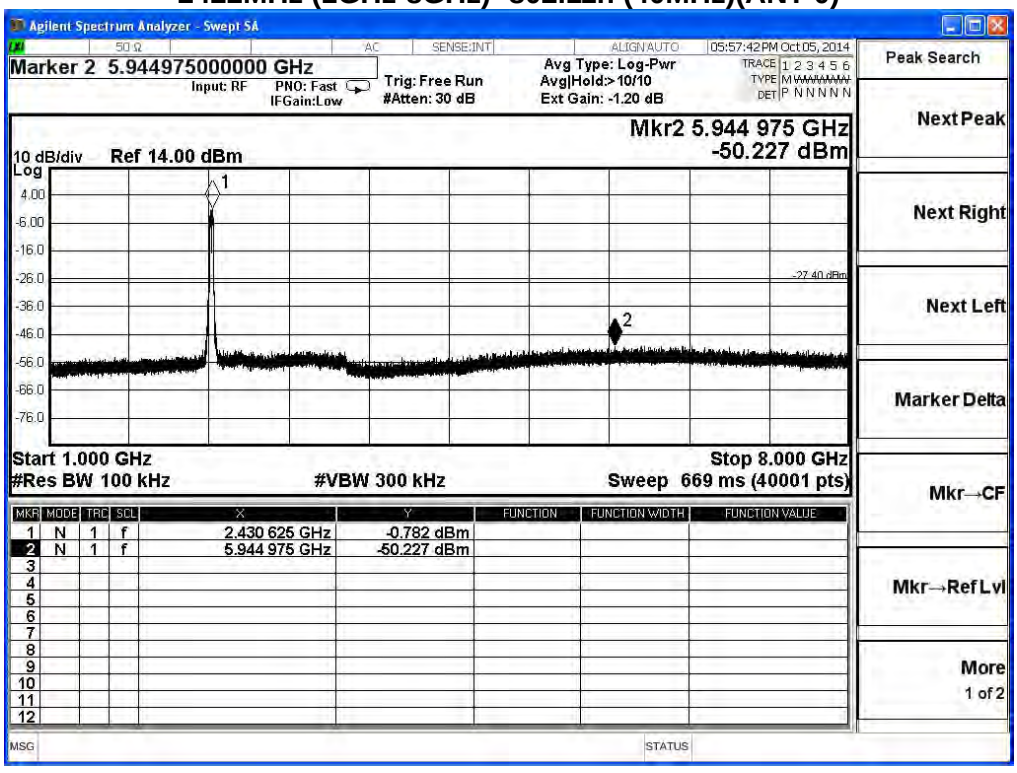
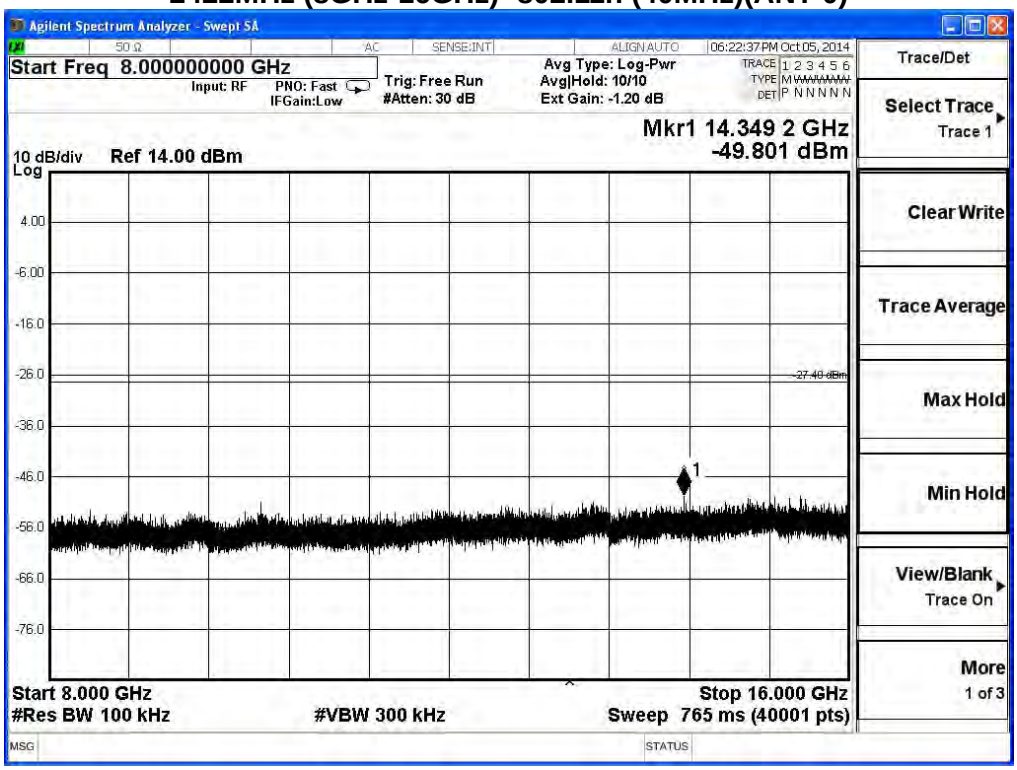
2422MHz (30MHz-1GHz)- 802.11n (40MHz)(ANT 0)



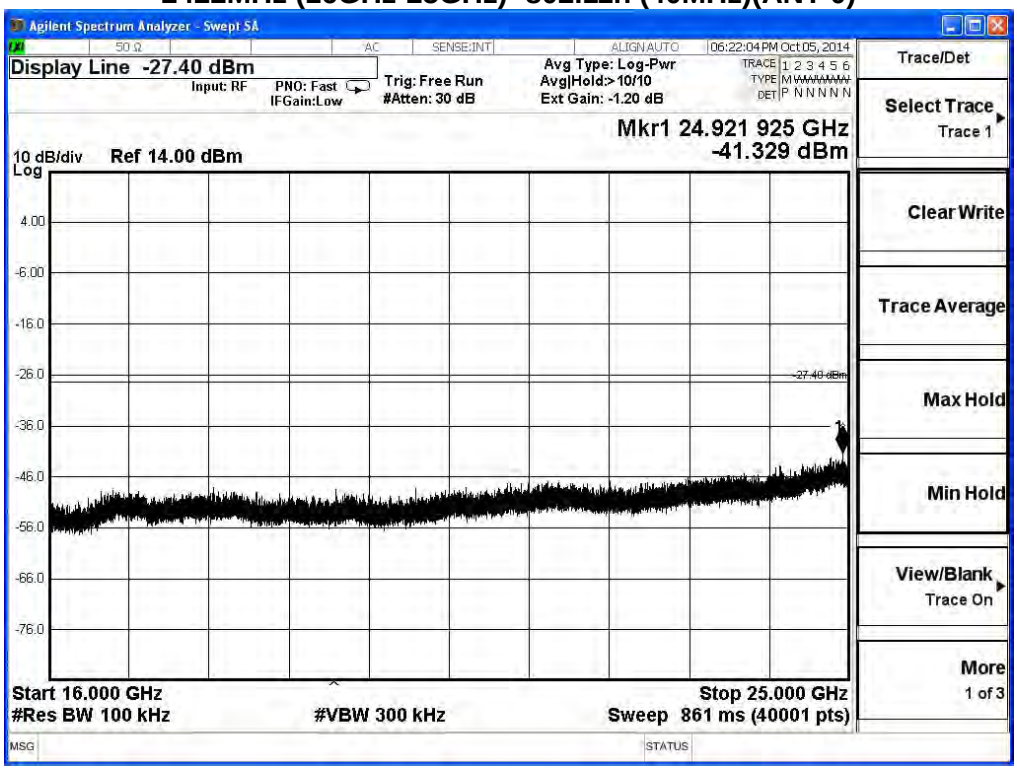
2422MHz (1GHz-8GHz) -802.11n (40MHz)(ANT 0)



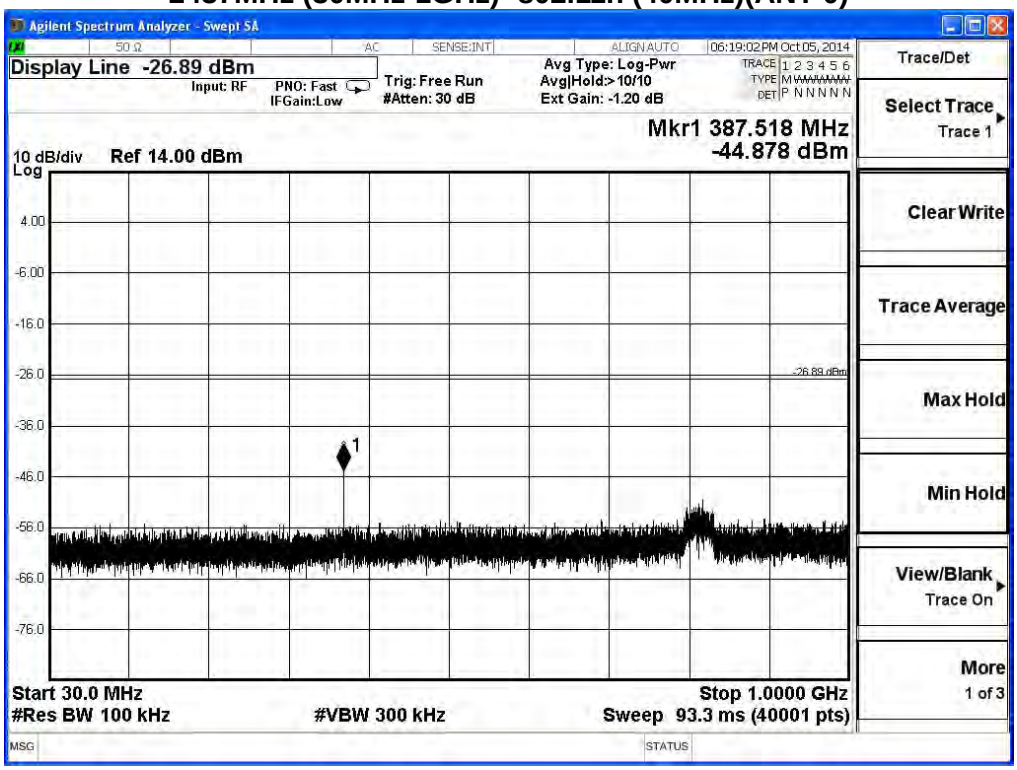
2422MHz (8GHz-16GHz) -802.11n (40MHz)(ANT 0)



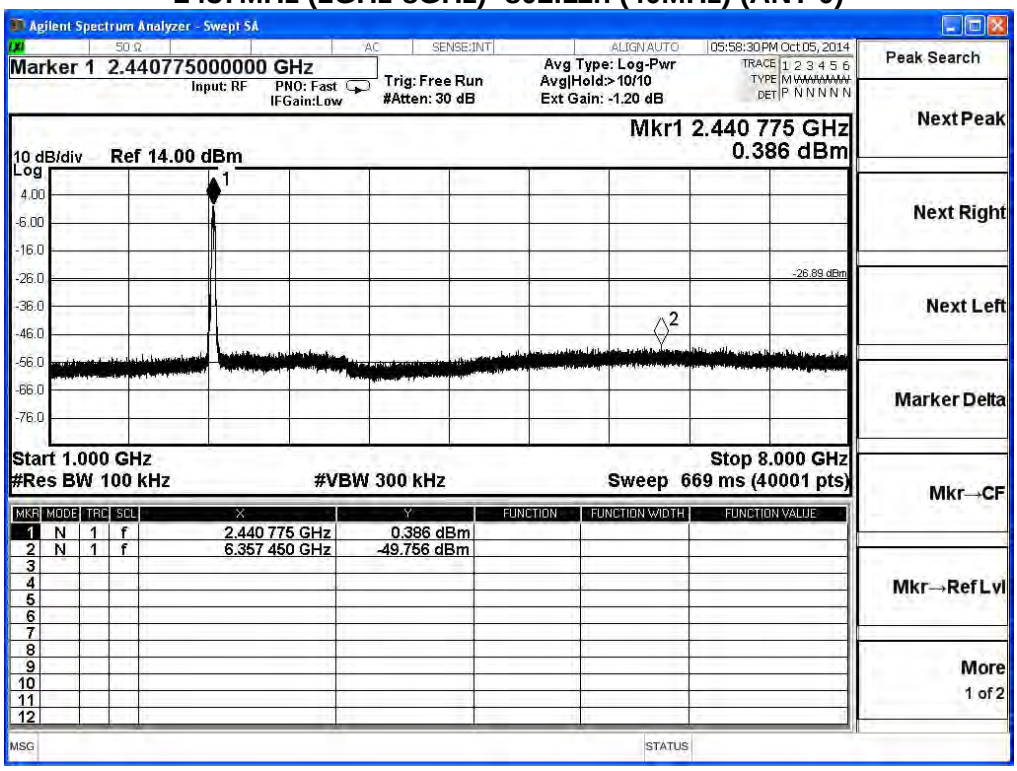
2422MHz (16GHz-25GHz) -802.11n (40MHz)(ANT 0)



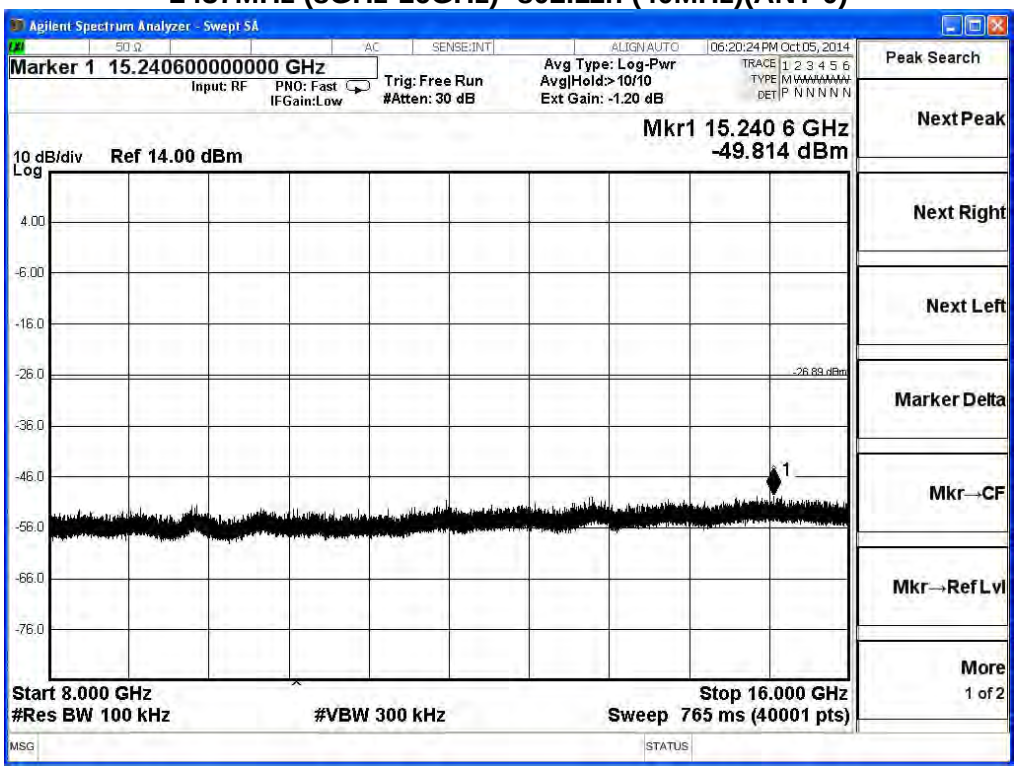
2437MHz (30MHz-1GHz)- 802.11n (40MHz)(ANT 0)



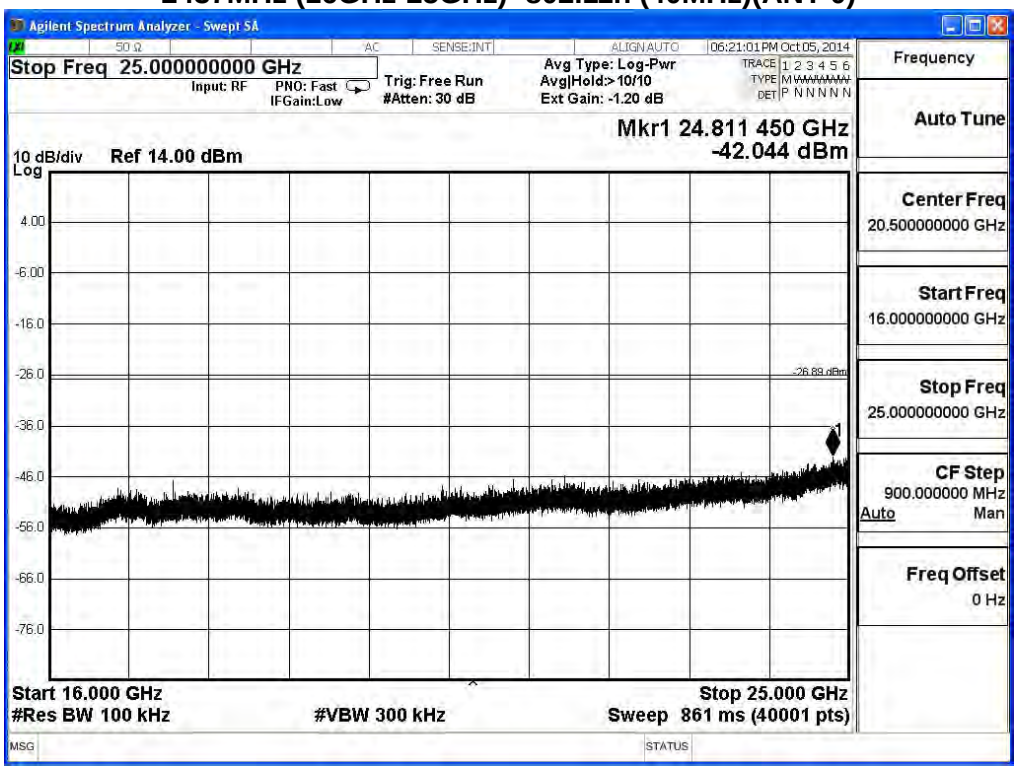
2437MHz (1GHz-8GHz) -802.11n (40MHz) (ANT 0)



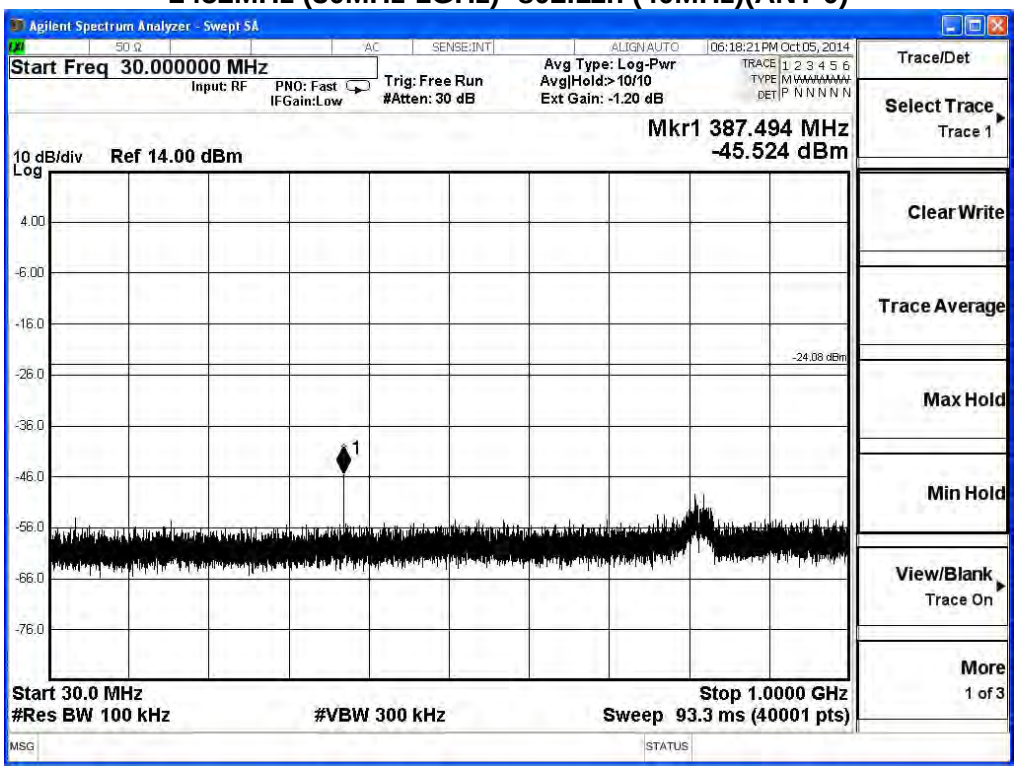
2437MHz (8GHz-16GHz) -802.11n (40MHz)(ANT 0)



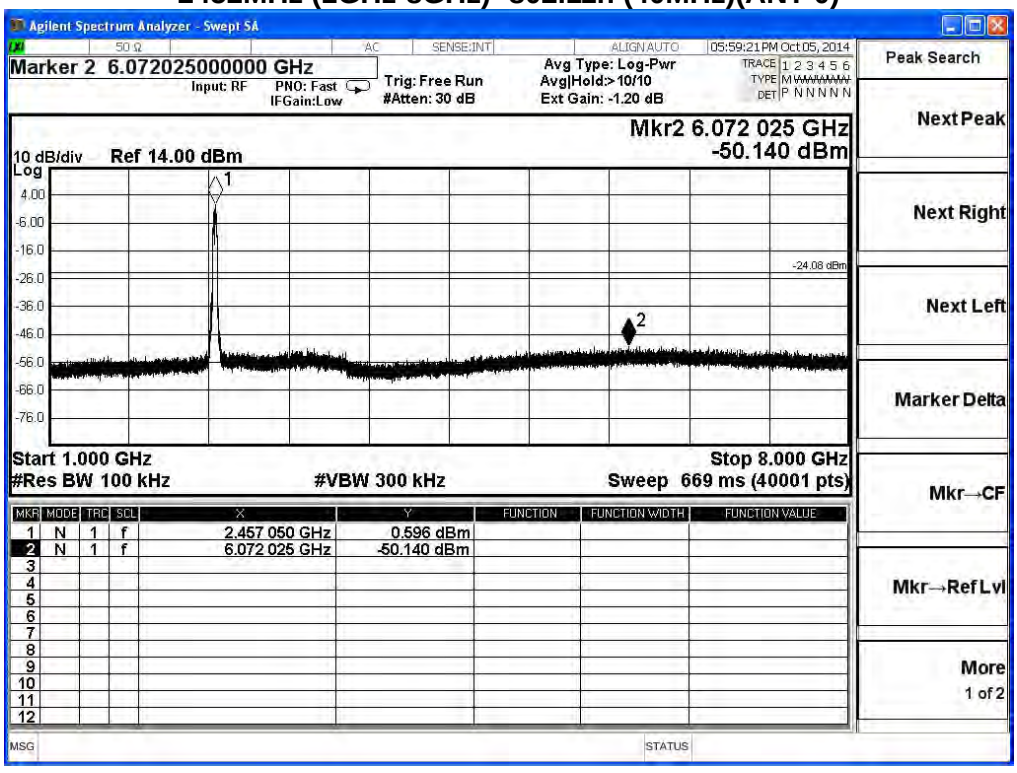
2437MHz (16GHz-25GHz) -802.11n (40MHz)(ANT 0)



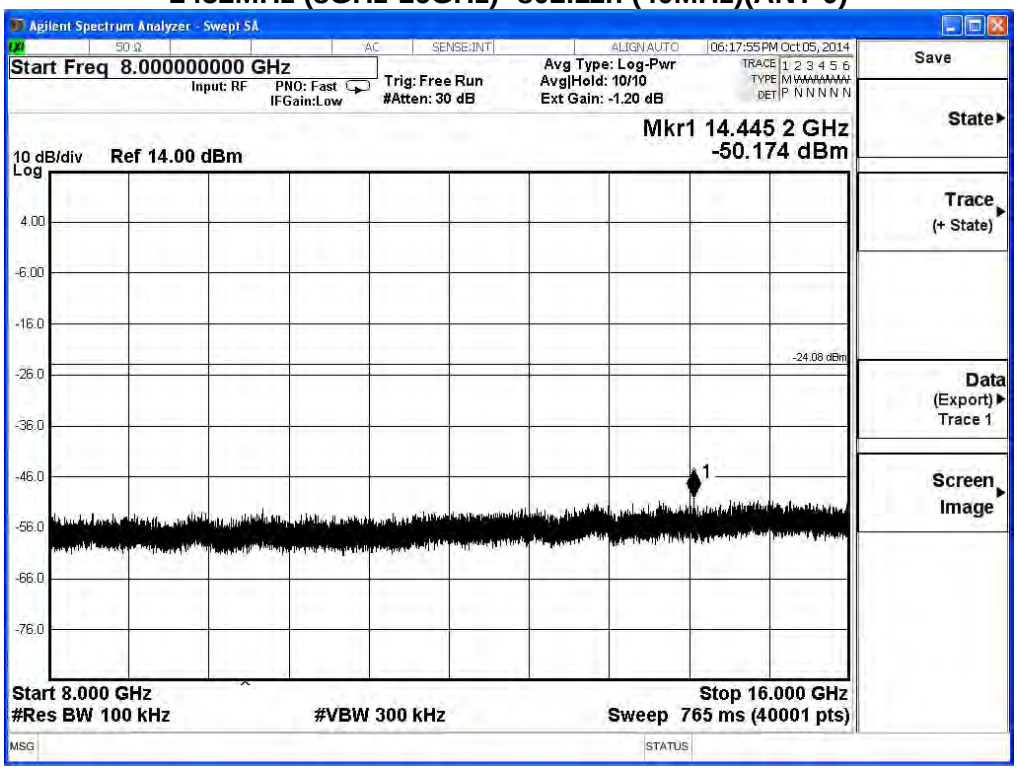
2452MHz (30MHz-1GHz)- 802.11n (40MHz)(ANT 0)



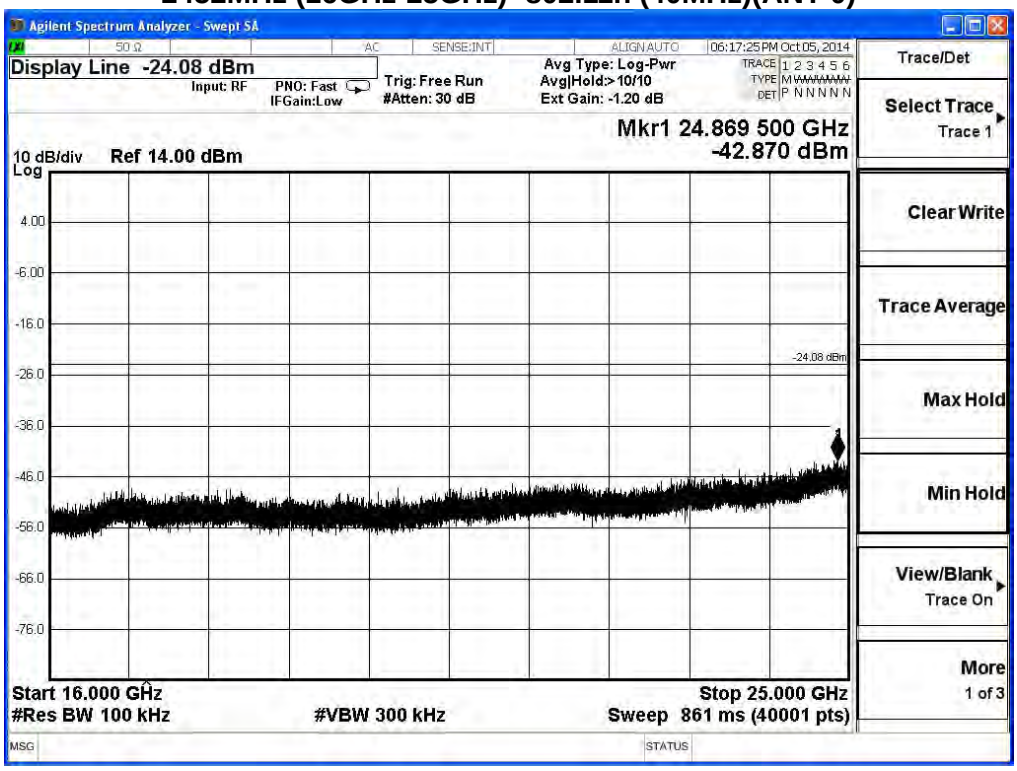
2452MHz (1GHz-8GHz) -802.11n (40MHz)(ANT 0)



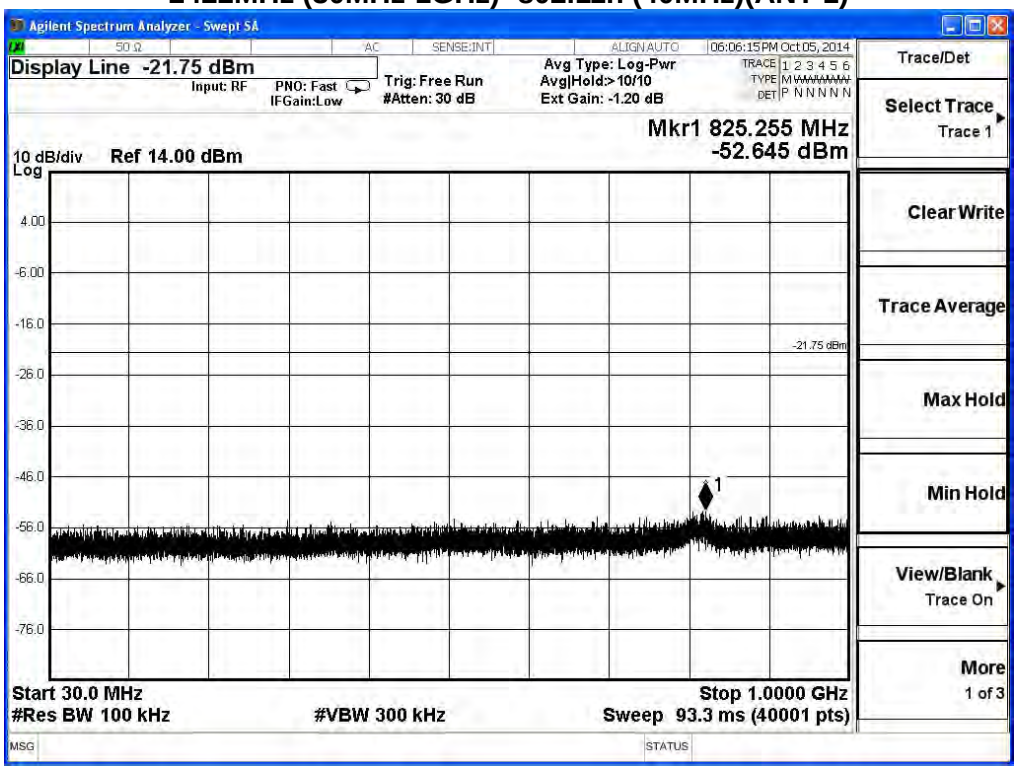
2452MHz (8GHz-16GHz) -802.11n (40MHz)(ANT 0)



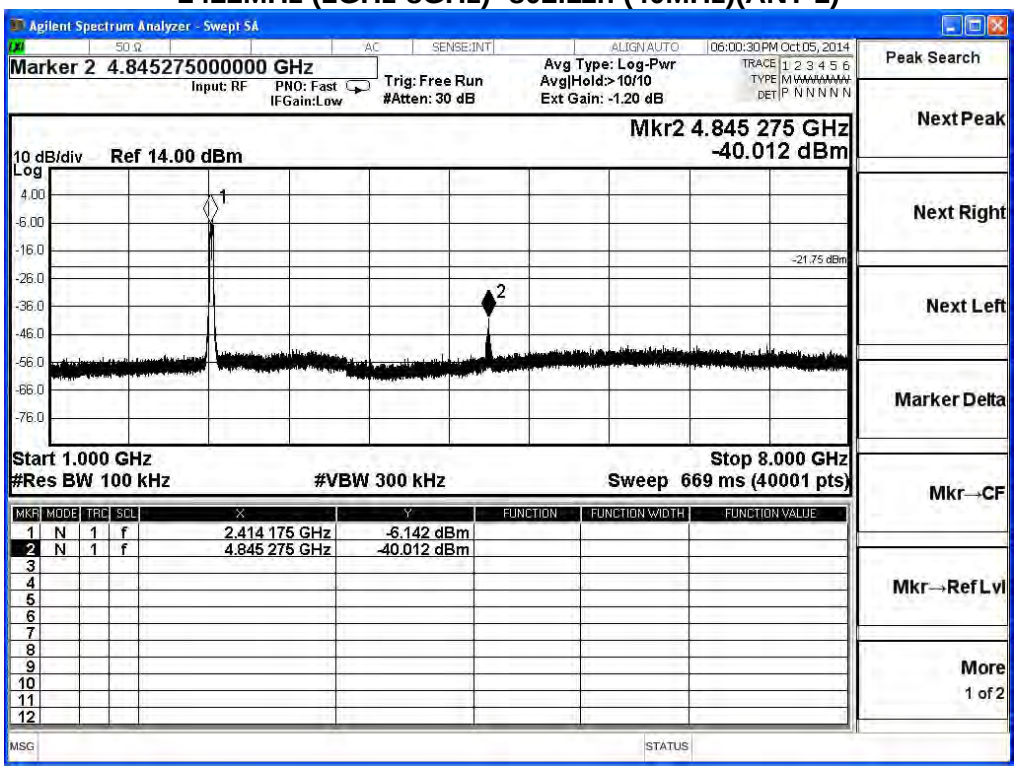
2452MHz (16GHz-25GHz) -802.11n (40MHz)(ANT 0)



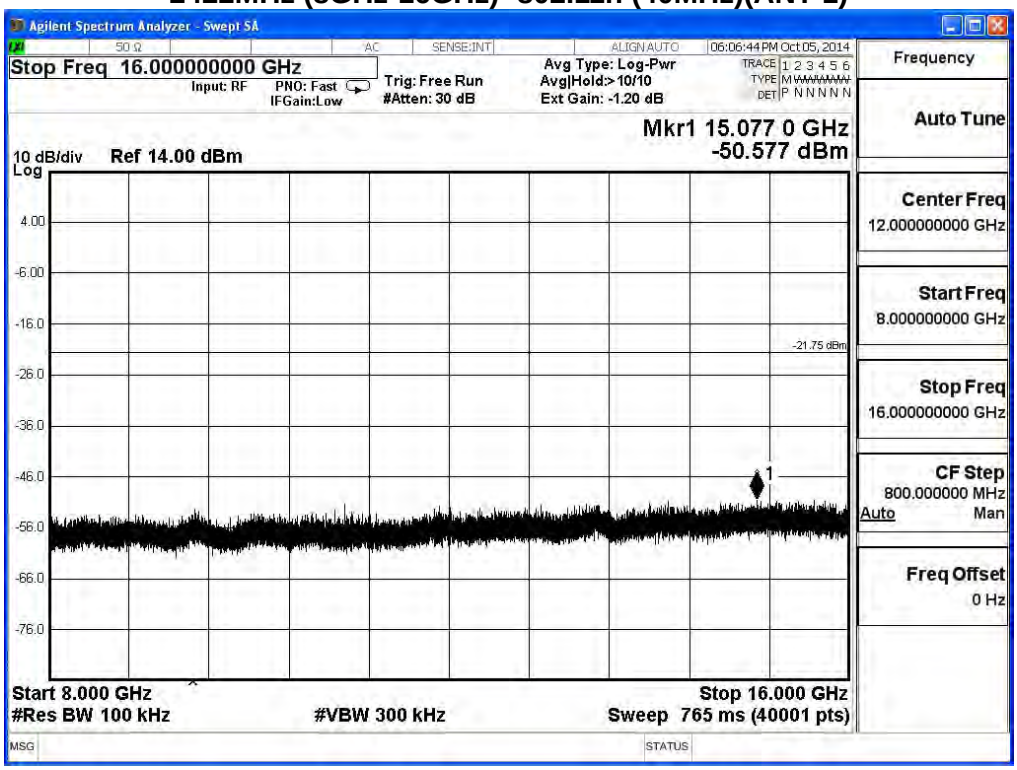
2422MHz (30MHz-1GHz)- 802.11n (40MHz)(ANT 1)



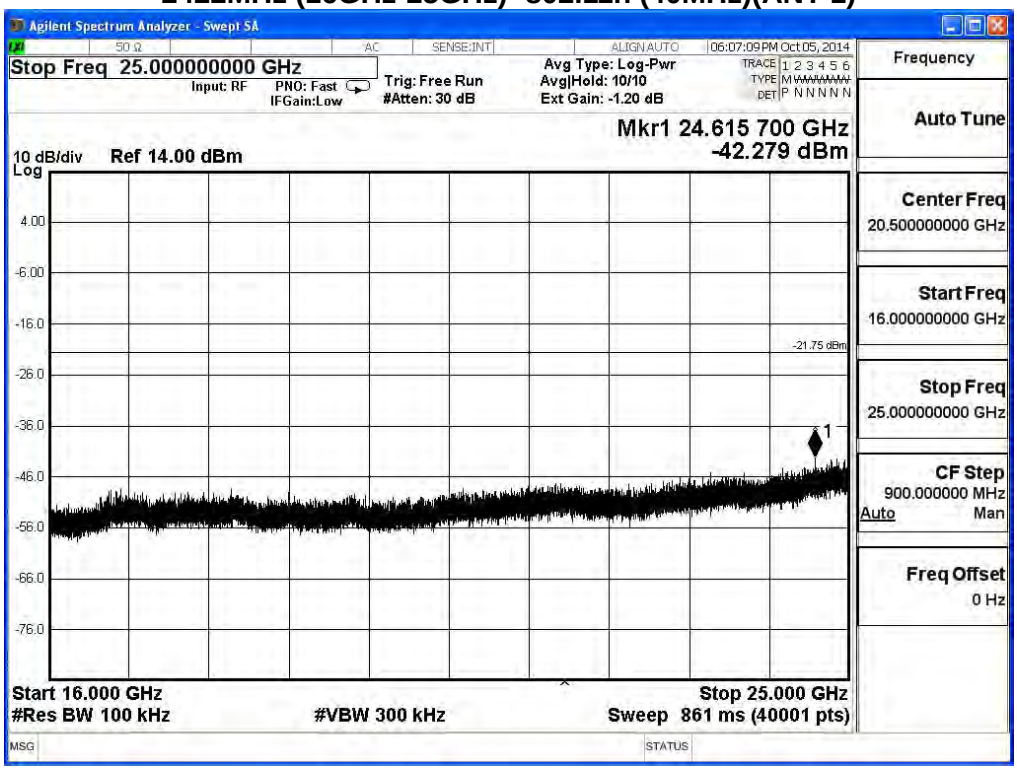
2422MHz (1GHz-8GHz) -802.11n (40MHz)(ANT 1)



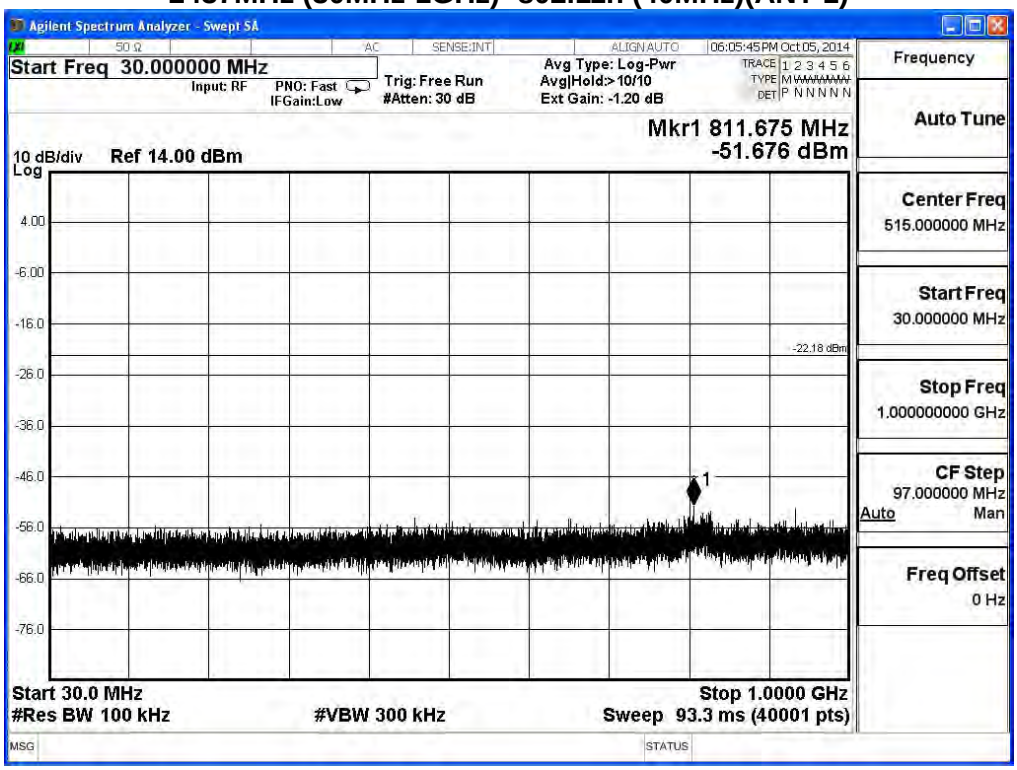
2422MHz (8GHz-16GHz) -802.11n (40MHz)(ANT 1)



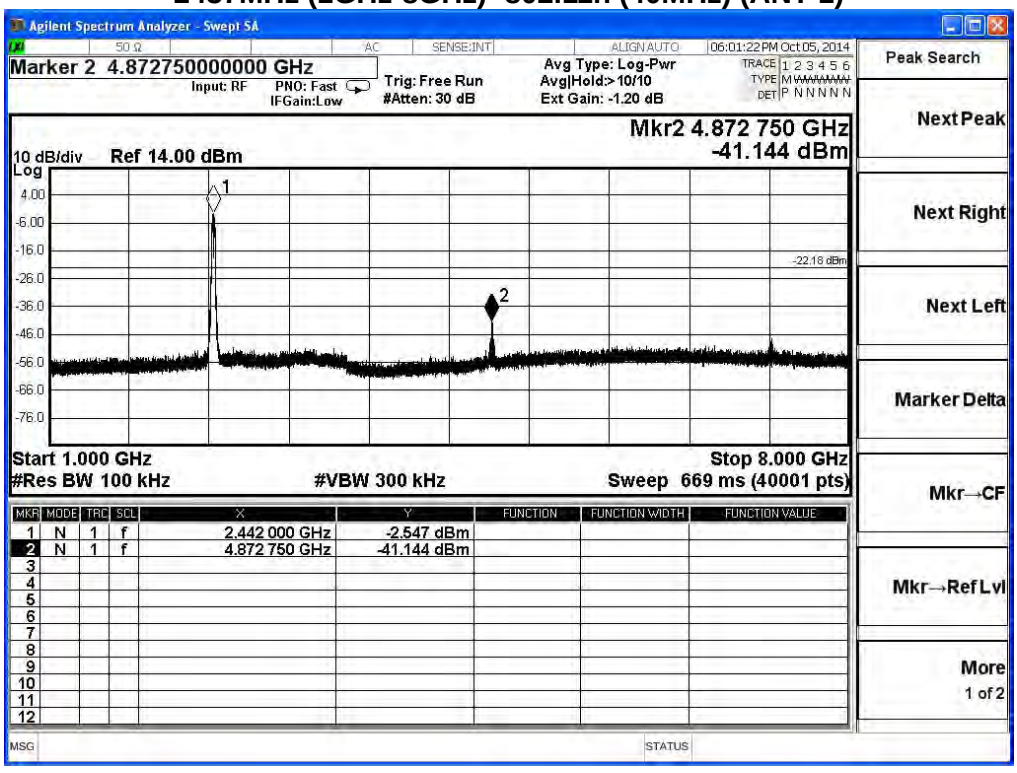
2422MHz (16GHz-25GHz) -802.11n (40MHz)(ANT 1)



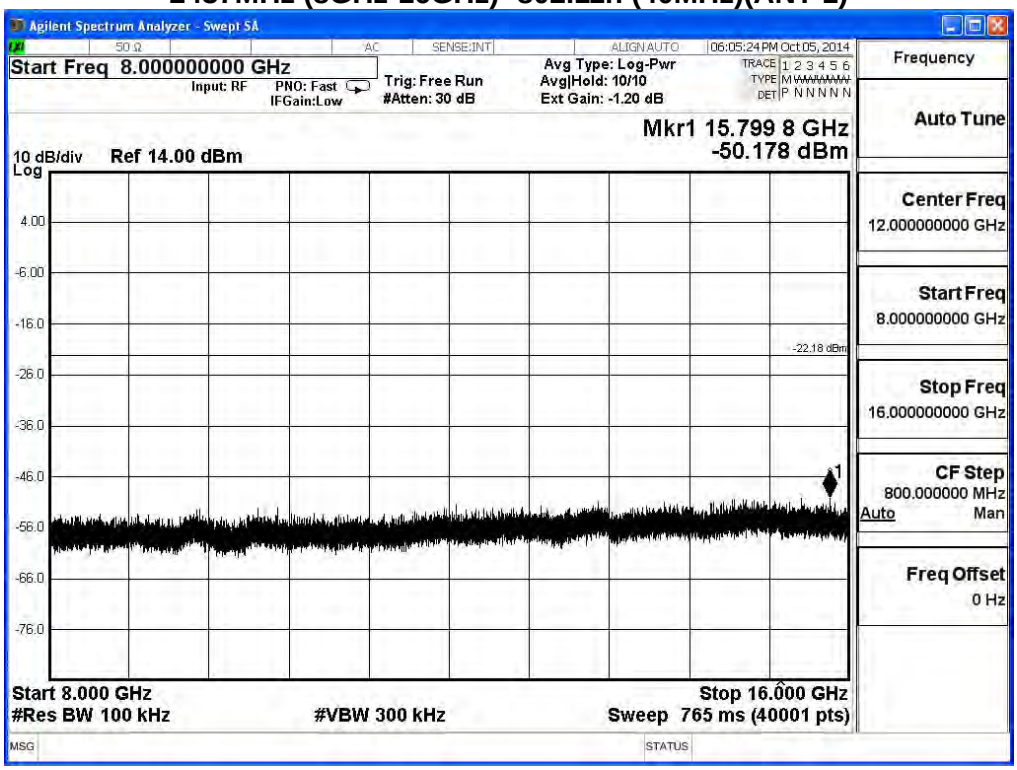
2437MHz (30MHz-1GHz)- 802.11n (40MHz)(ANT 1)



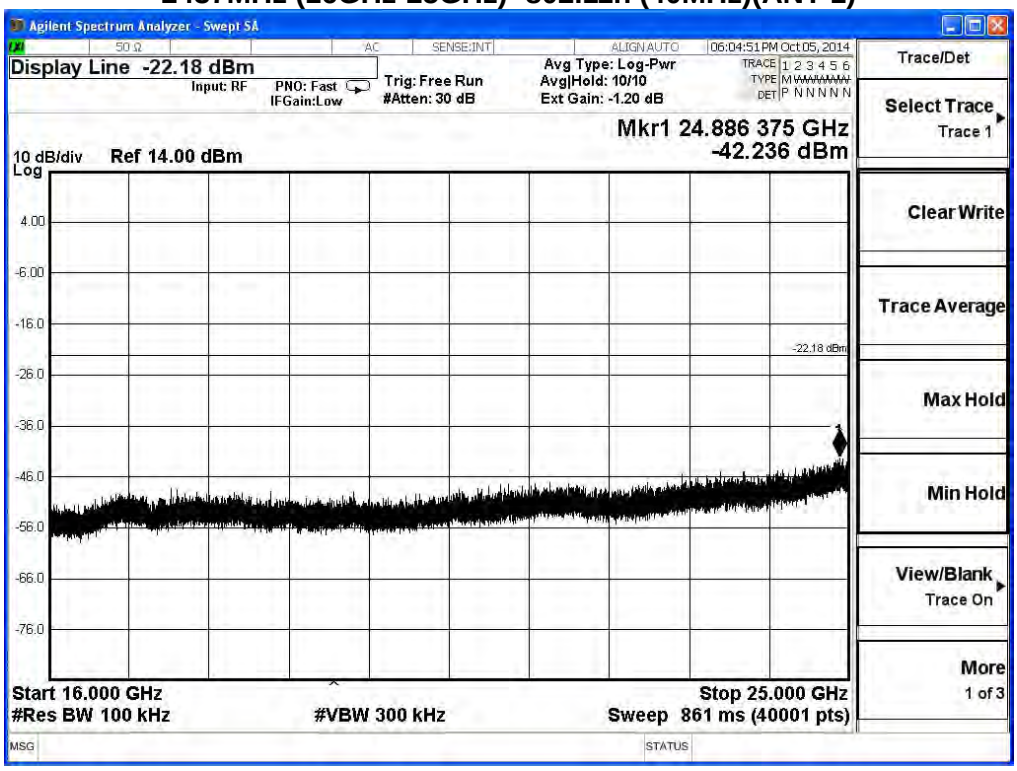
2437MHz (1GHz-8GHz) -802.11n (40MHz) (ANT 1)



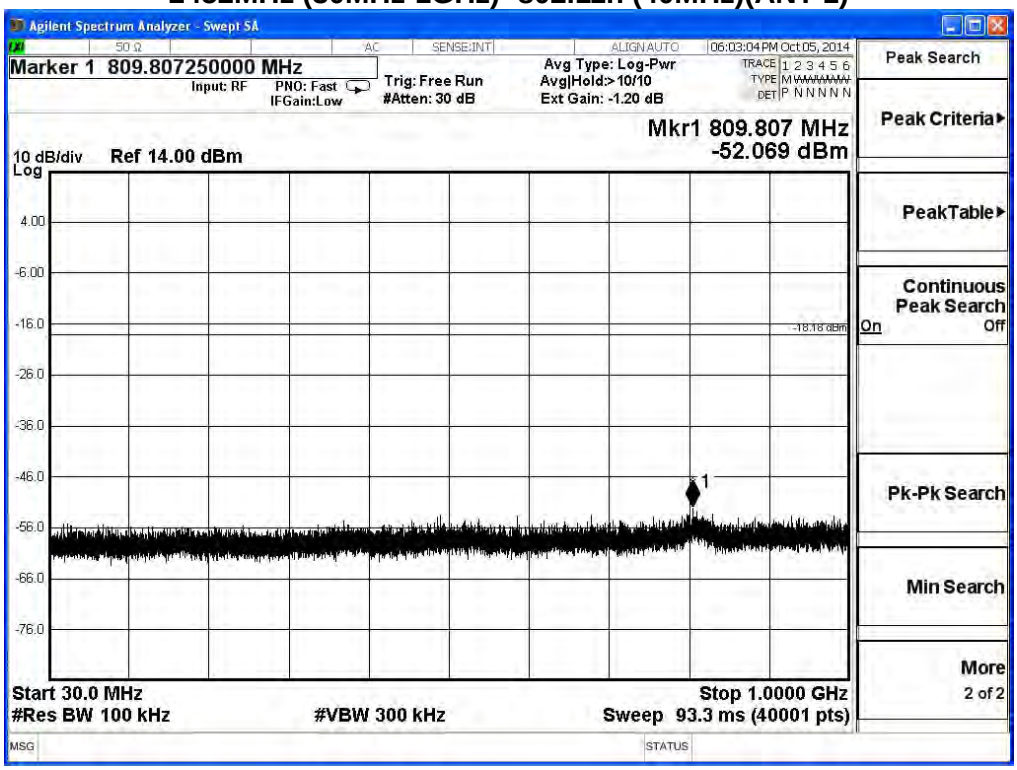
2437MHz (8GHz-16GHz) -802.11n (40MHz)(ANT 1)



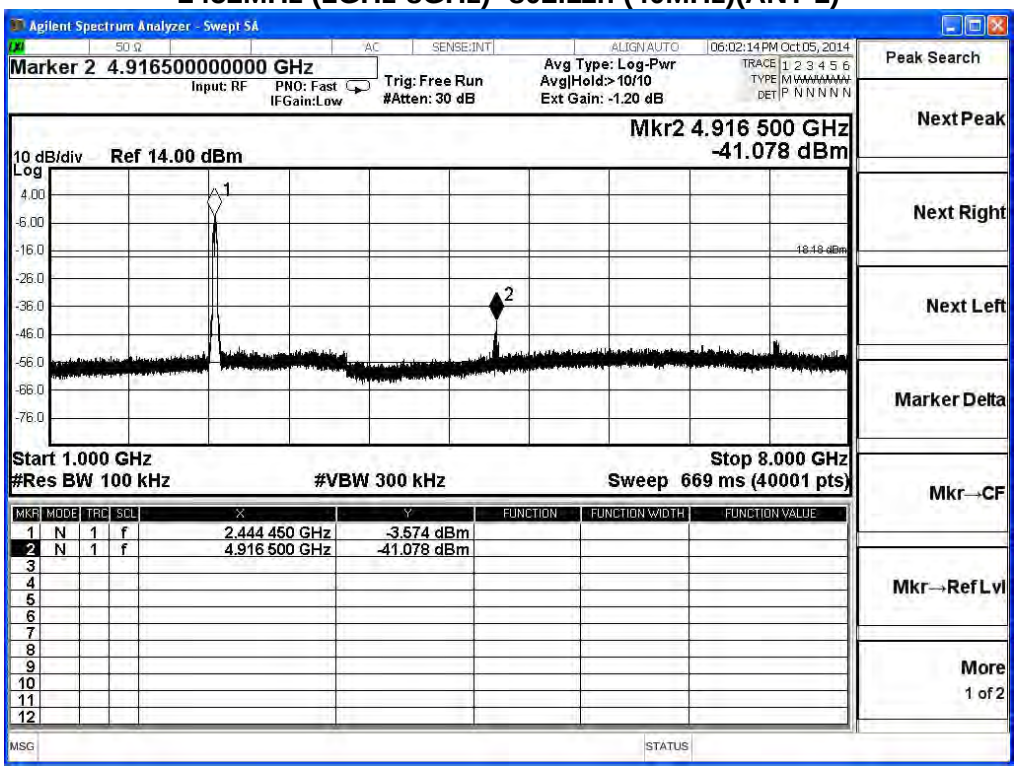
2437MHz (16GHz-25GHz) -802.11n (40MHz)(ANT 1)



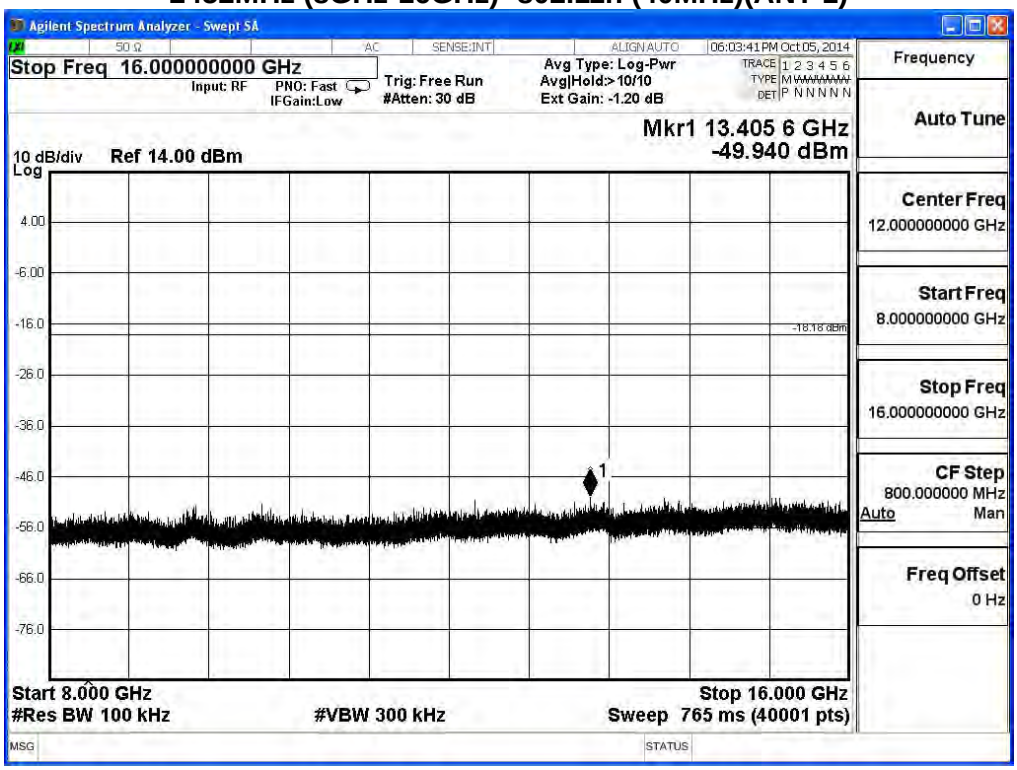
2452MHz (30MHz-1GHz)- 802.11n (40MHz)(ANT 1)



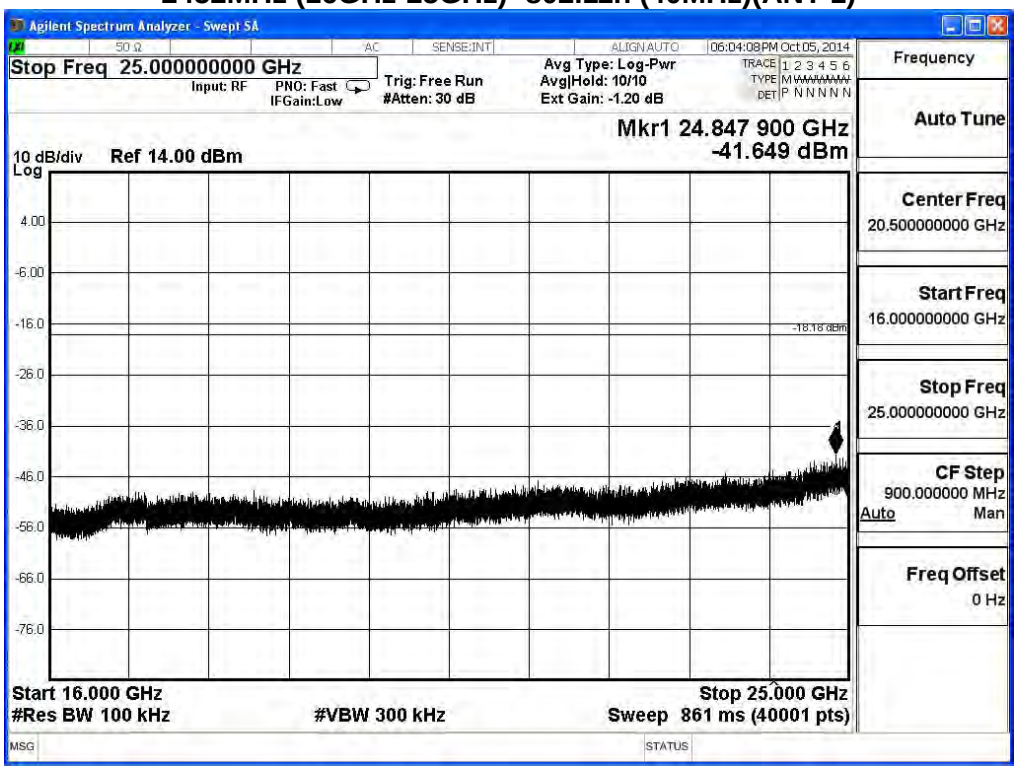
2452MHz (1GHz-8GHz) -802.11n (40MHz)(ANT 1)



2452MHz (8GHz-16GHz) -802.11n (40MHz)(ANT 1)



2452MHz (16GHz-25GHz) -802.11n (40MHz)(ANT 1)



6. Radiated Emission Band Edge

6.1. Test Equipment

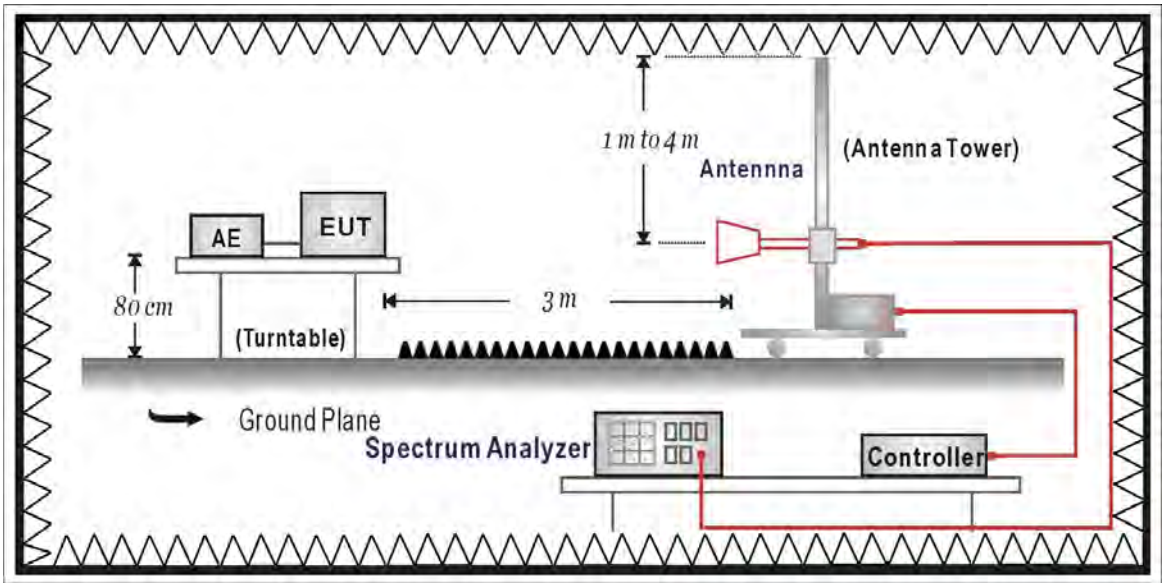
The following test equipments are used during the test:

Radiated Emission Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2015/02/12
Spectrum Analyzer	Agilent	E4440A	MY46187335	2015/01/12
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2015/02/10

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

6.2. Test Setup



6.3. Limits

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

6.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.
The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

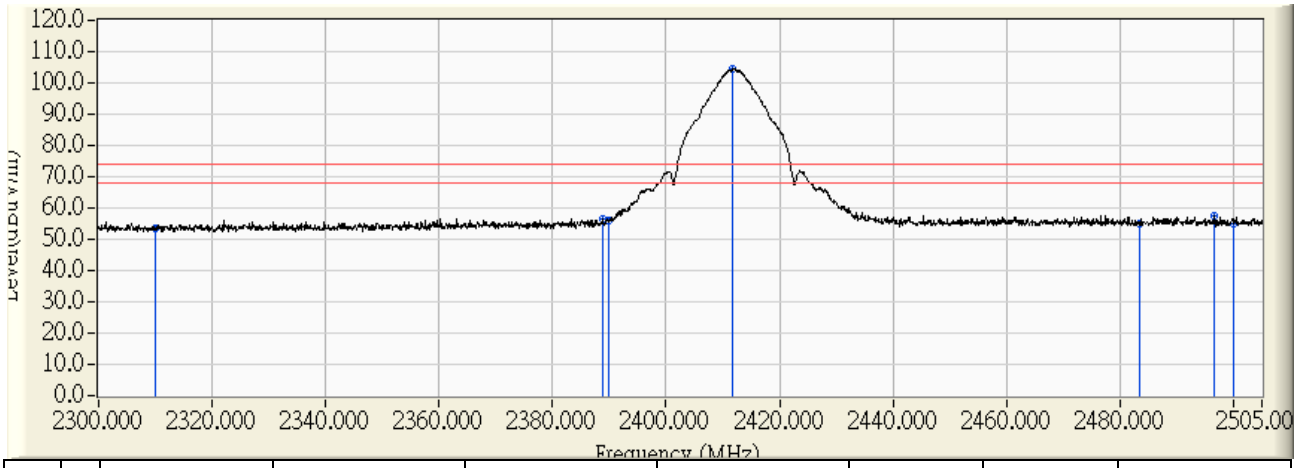
6.6. Uncertainty

The measurement uncertainty
± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	**Time : 2014/10/01 - 21:10**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH01**

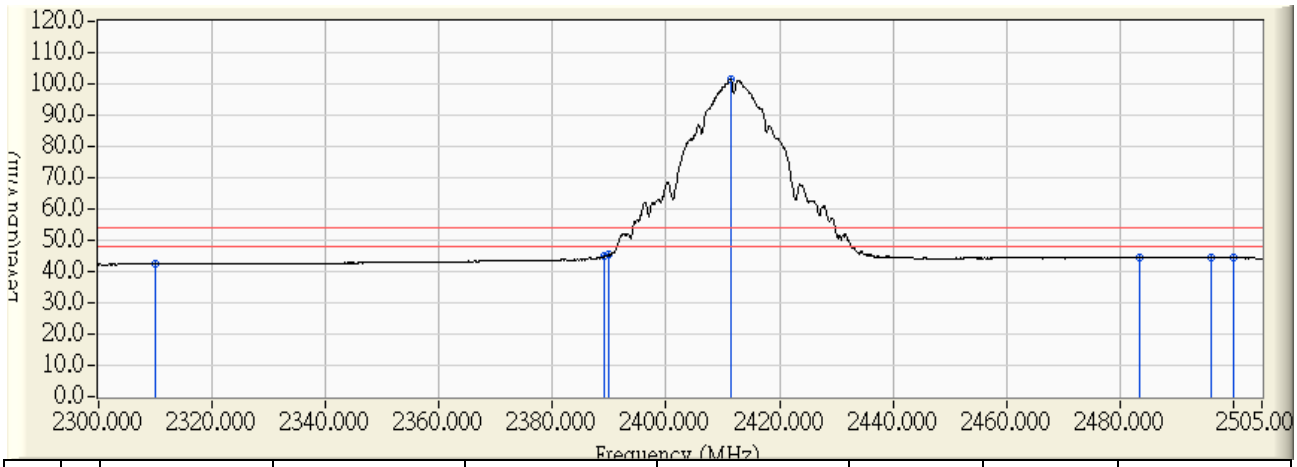


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.926	53.337	-20.663	74.000	PEAK
2		2388.867	31.229	25.039	56.268	-17.732	74.000	PEAK
3		2390.000	31.241	24.794	56.035	-17.965	74.000	PEAK
4	*	2411.827	31.468	72.984	104.451	30.451	74.000	PEAK
5		2483.500	31.980	22.952	54.931	-19.069	74.000	PEAK
6		2496.698	31.944	25.720	57.664	-16.336	74.000	PEAK
7		2500.000	31.934	23.248	55.183	-18.817	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 : 2014/10/01 - 21:11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH01**

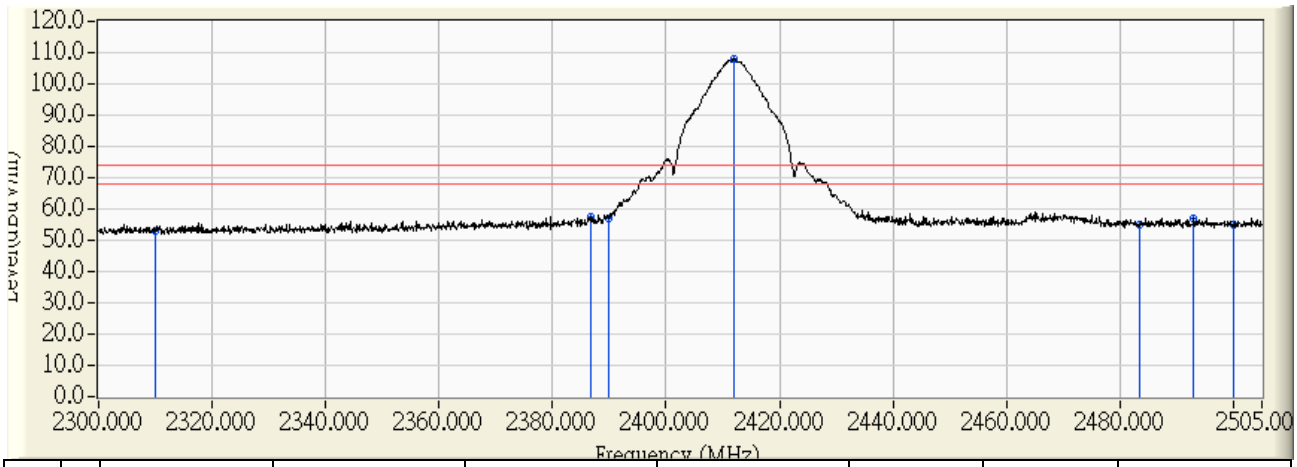


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.951	42.362	-11.638	54.000	AVERAGE
2		2388.970	31.230	13.529	44.759	-9.241	54.000	AVERAGE
3		2390.000	31.241	14.117	45.358	-8.642	54.000	AVERAGE
4	*	2411.315	31.462	69.904	101.366	47.366	54.000	AVERAGE
5		2483.500	31.980	12.345	44.324	-9.676	54.000	AVERAGE
6		2495.980	31.945	12.391	44.337	-9.663	54.000	AVERAGE
7		2500.000	31.934	12.338	44.273	-9.727	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 : 2014/10/01 - 21:07**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH01**

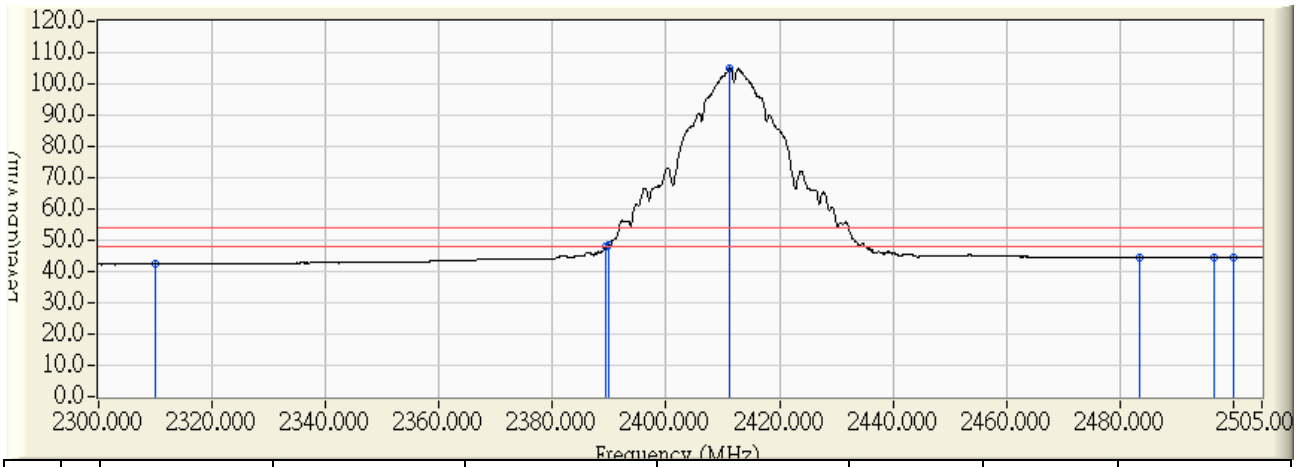


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.823	53.234	-20.766	74.000	PEAK
2		2386.715	31.207	26.243	57.450	-16.550	74.000	PEAK
3		2390.000	31.241	25.742	56.983	-17.017	74.000	PEAK
4	*	2412.032	31.469	76.394	107.863	33.863	74.000	PEAK
5		2483.500	31.980	22.794	54.773	-19.227	74.000	PEAK
6		2493.008	31.953	25.245	57.199	-16.801	74.000	PEAK
7		2500.000	31.934	22.990	54.925	-19.075	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/10/01 - 21:06**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH01**

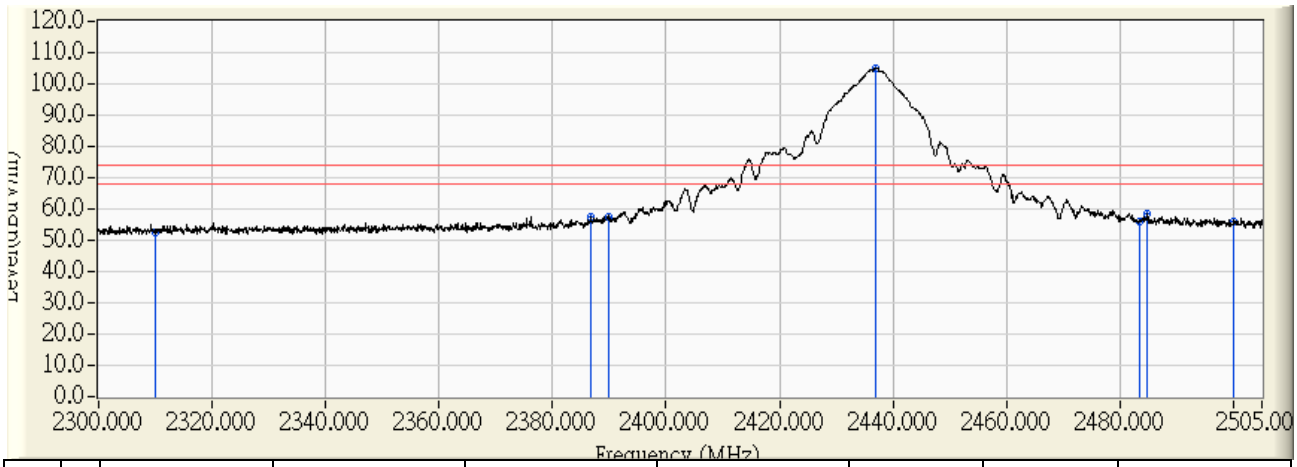


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.987	42.398	-11.602	54.000	AVERAGE
2		2389.482	31.236	16.610	47.846	-6.154	54.000	AVERAGE
3		2390.000	31.241	17.119	48.360	-5.640	54.000	AVERAGE
4	*	2411.212	31.461	73.622	105.083	51.083	54.000	AVERAGE
5		2483.500	31.980	12.454	44.433	-9.567	54.000	AVERAGE
6		2496.492	31.944	12.441	44.385	-9.615	54.000	AVERAGE
7		2500.000	31.934	12.470	44.405	-9.595	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 : 2014/10/01 - 21:24**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH06**

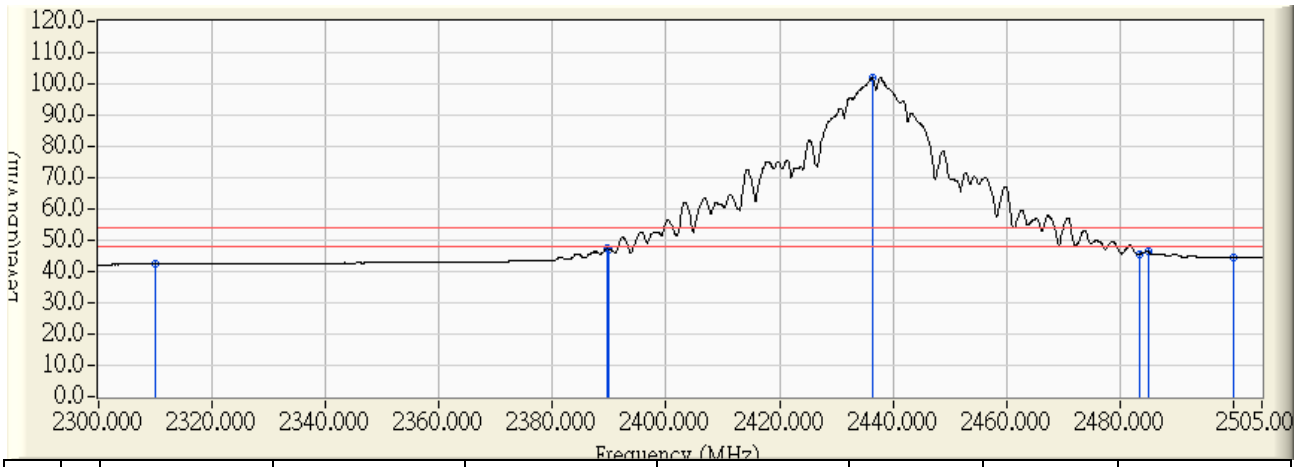


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.213	52.624	-21.376	74.000	PEAK
2		2386.817	31.208	26.107	57.315	-16.685	74.000	PEAK
3		2390.000	31.241	26.164	57.405	-16.595	74.000	PEAK
4	*	2436.940	31.728	73.314	105.042	31.042	74.000	PEAK
5		2483.500	31.980	24.250	56.229	-17.771	74.000	PEAK
6		2484.808	31.976	26.311	58.287	-15.713	74.000	PEAK
7		2500.000	31.934	24.206	56.141	-17.859	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 : 2014/10/01 - 21:25**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH06**

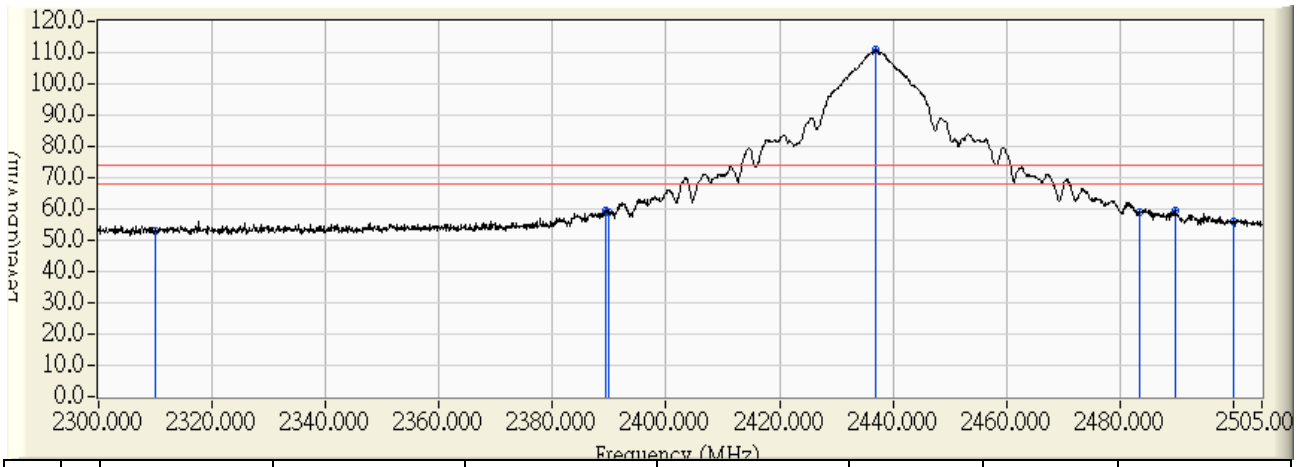


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.918	42.329	-11.671	54.000	AVERAGE
2		2389.585	31.237	16.037	47.274	-6.726	54.000	AVERAGE
3		2390.000	31.241	15.926	47.167	-6.833	54.000	AVERAGE
4	*	2436.325	31.721	70.451	102.172	48.172	54.000	AVERAGE
5		2483.500	31.980	13.580	45.559	-8.441	54.000	AVERAGE
6		2484.910	31.976	14.298	46.274	-7.726	54.000	AVERAGE
7		2500.000	31.934	12.448	44.383	-9.617	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/10/01 - 21:20**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH06**

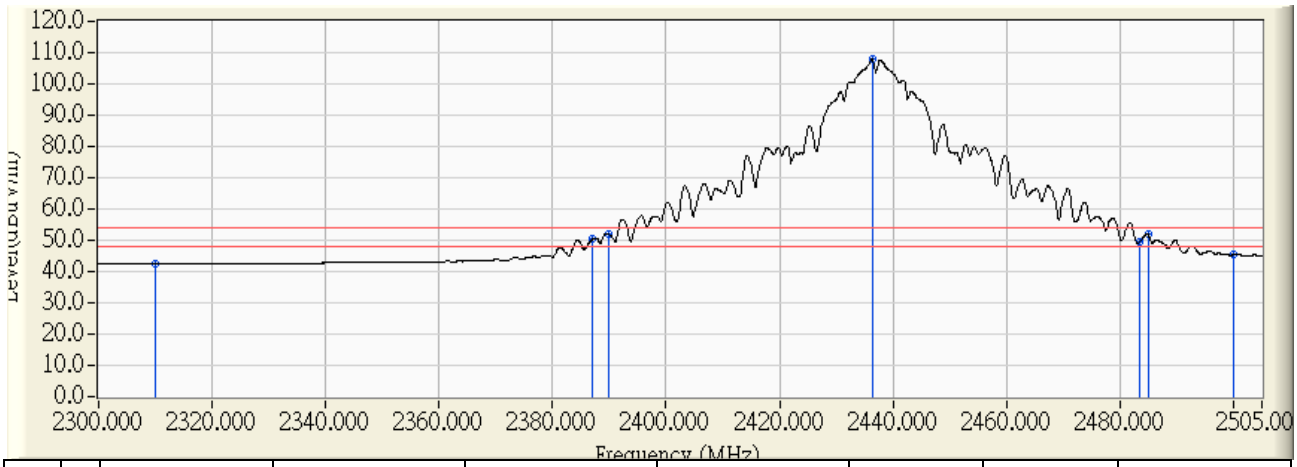


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.797	53.208	-20.792	74.000	PEAK
2		2389.278	31.233	28.187	59.420	-14.580	74.000	PEAK
3		2390.000	31.241	27.701	58.942	-15.058	74.000	PEAK
4	*	2436.940	31.728	79.056	110.784	36.784	74.000	PEAK
5		2483.500	31.980	26.792	58.771	-15.229	74.000	PEAK
6		2489.625	31.963	27.702	59.665	-14.335	74.000	PEAK
7		2500.000	31.934	24.047	55.982	-18.018	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 : 2014/10/01 - 21:19**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH06**

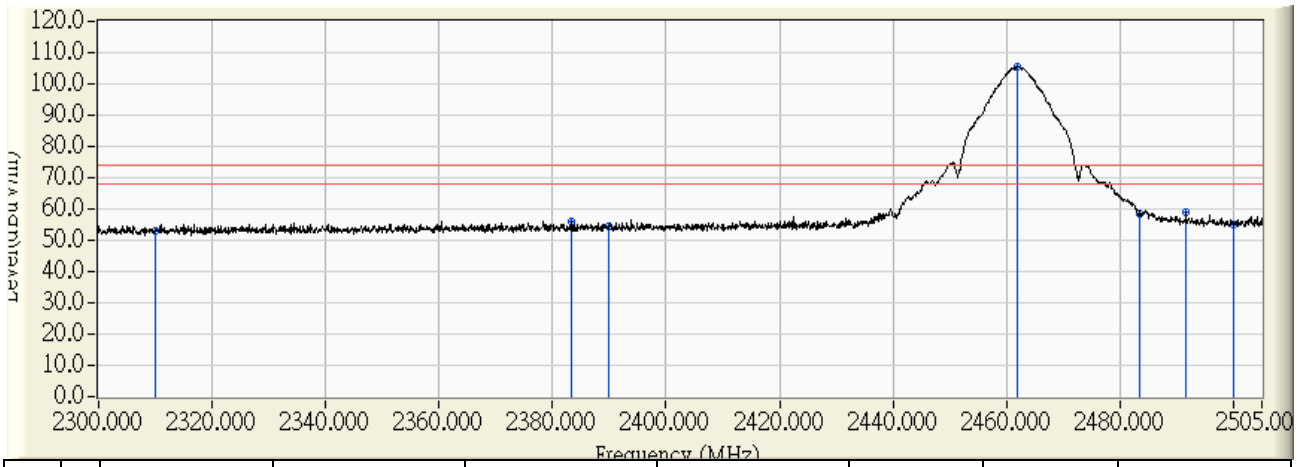


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	12.001	42.412	-11.588	54.000	AVERAGE
2		2387.125	31.211	19.057	50.268	-3.732	54.000	AVERAGE
3		2390.000	31.241	20.552	51.793	-2.207	54.000	AVERAGE
4	*	2436.325	31.721	76.068	107.789	53.789	54.000	AVERAGE
5		2483.500	31.980	17.580	49.559	-4.441	54.000	AVERAGE
6		2484.910	31.976	19.821	51.797	-2.203	54.000	AVERAGE
7		2500.000	31.934	13.470	45.405	-8.595	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 : 2014/10/01 - 21:36**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH11**

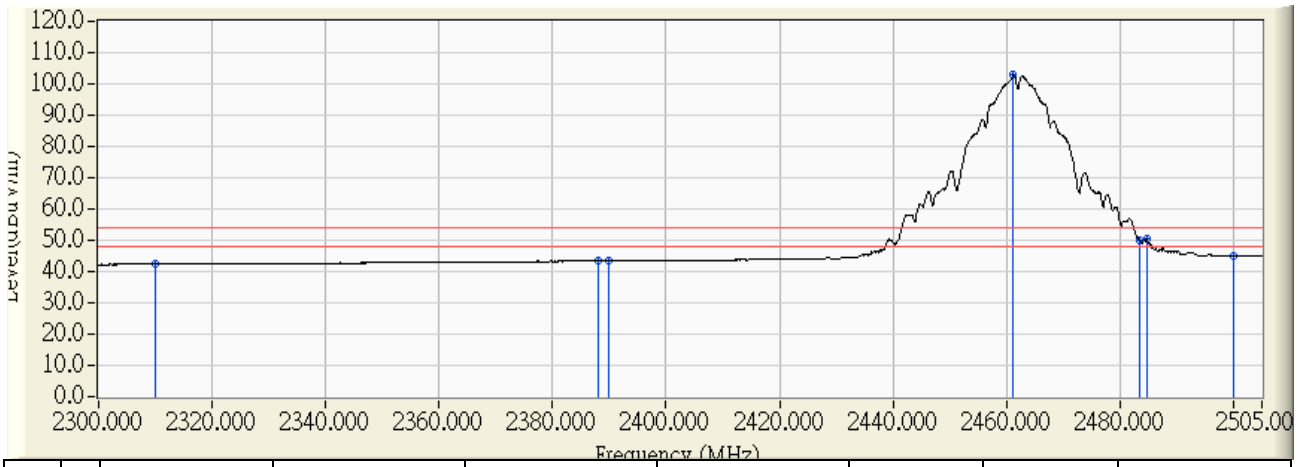


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.588	52.999	-21.001	74.000	PEAK
2		2383.435	31.172	24.751	55.924	-18.076	74.000	PEAK
3		2390.000	31.241	23.160	54.401	-19.599	74.000	PEAK
4	*	2461.950	31.987	73.559	105.546	31.546	74.000	PEAK
5		2483.500	31.980	26.334	58.313	-15.687	74.000	PEAK
6		2491.573	31.957	26.834	58.792	-15.208	74.000	PEAK
7		2500.000	31.934	23.153	55.088	-18.912	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 : 2014/10/01 - 21:37**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH11**

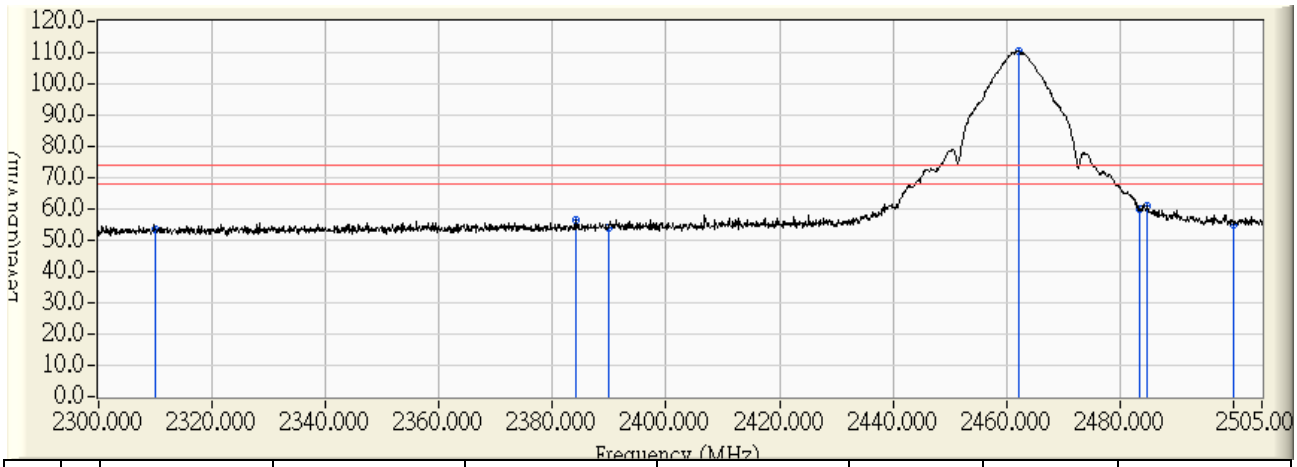


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.889	42.300	-11.700	54.000	AVERAGE
2		2387.945	31.220	12.161	43.381	-10.619	54.000	AVERAGE
3		2390.000	31.241	12.163	43.404	-10.596	54.000	AVERAGE
4	*	2461.232	31.980	70.770	102.750	48.750	54.000	AVERAGE
5		2483.500	31.980	17.854	49.833	-4.167	54.000	AVERAGE
6		2484.705	31.976	18.483	50.459	-3.541	54.000	AVERAGE
7		2500.000	31.934	12.894	44.829	-9.171	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 : 2014/10/01 - 21:33**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH11**

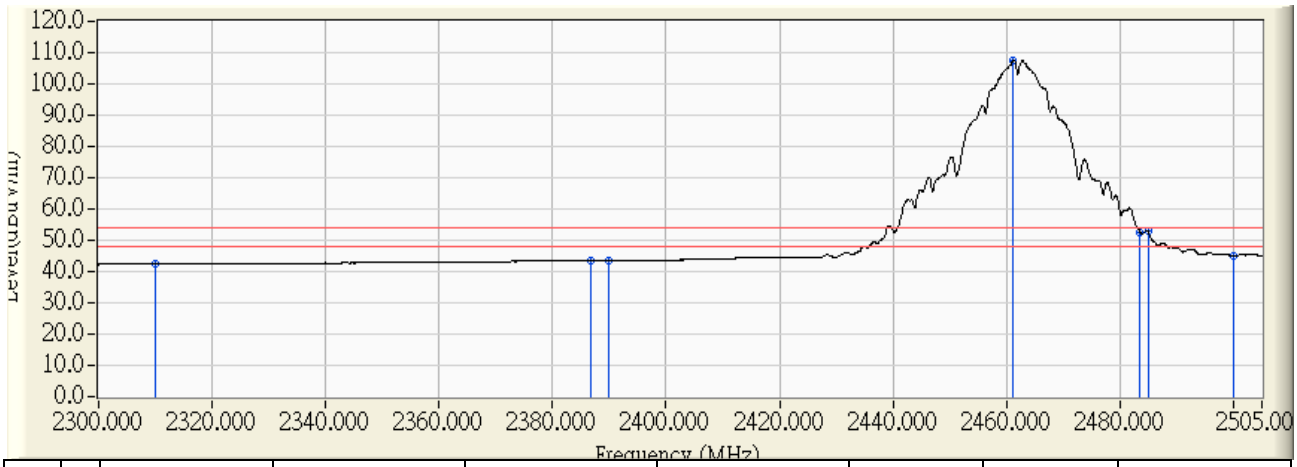


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.982	53.393	-20.607	74.000	PEAK
2		2384.050	31.179	25.156	56.335	-17.665	74.000	PEAK
3		2390.000	31.241	22.768	54.009	-19.991	74.000	PEAK
4	*	2462.052	31.987	78.413	110.401	36.401	74.000	PEAK
5		2483.500	31.980	27.916	59.895	-14.105	74.000	PEAK
6		2484.705	31.976	29.191	61.167	-12.833	74.000	PEAK
7		2500.000	31.934	23.151	55.086	-18.914	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 : 2014/10/01 - 21:32**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11b_CH11**

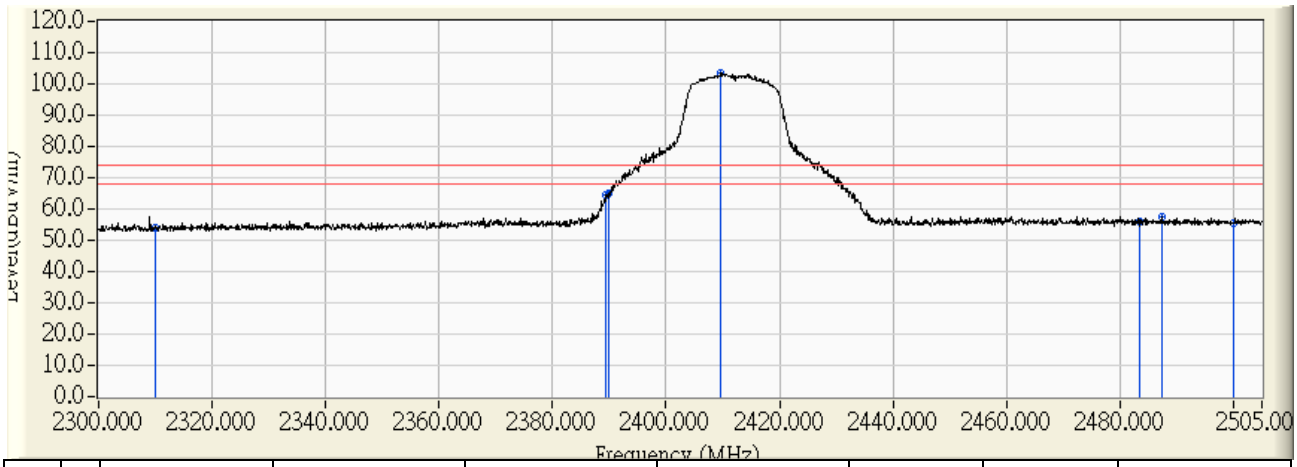


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.979	42.390	-11.610	54.000	AVERAGE
2		2386.613	31.206	12.282	43.488	-10.512	54.000	AVERAGE
3		2390.000	31.241	12.313	43.554	-10.446	54.000	AVERAGE
4	*	2461.232	31.980	75.591	107.571	53.571	54.000	AVERAGE
5		2483.500	31.980	20.731	52.710	-1.290	54.000	AVERAGE
6		2484.910	31.976	20.843	52.819	-1.181	54.000	AVERAGE
7		2500.000	31.934	13.274	45.209	-8.791	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 : 2014/10/01 - 21:48**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH1**

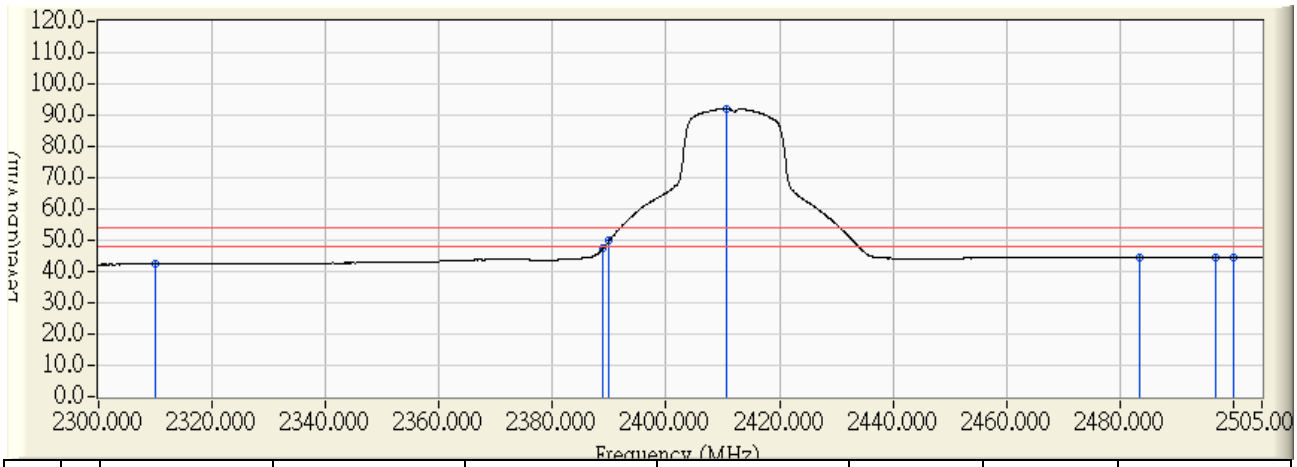


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	23.799	54.210	-19.790	74.000	PEAK
2		2389.482	31.236	33.431	64.667	-9.333	74.000	PEAK
3		2390.000	31.241	33.945	65.186	-8.814	74.000	PEAK
4	*	2409.675	31.445	72.167	103.612	29.612	74.000	PEAK
5		2483.500	31.980	24.019	55.998	-18.002	74.000	PEAK
6		2487.268	31.970	25.660	57.629	-16.371	74.000	PEAK
7		2500.000	31.934	23.527	55.462	-18.538	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 : 2014/10/01 - 21:52**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH1**

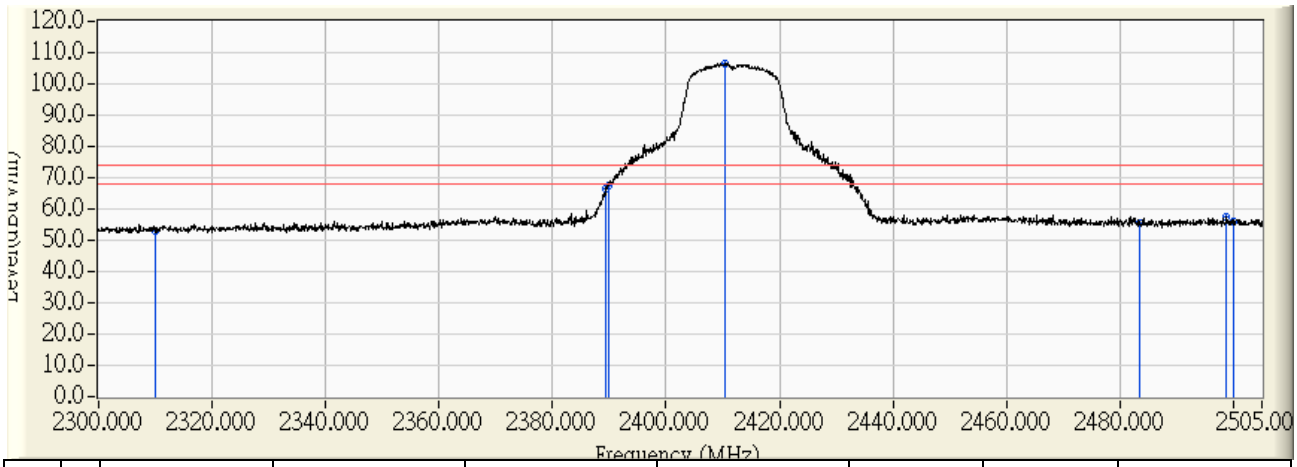


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.922	42.333	-11.667	54.000	AVERAGE
2		2388.867	31.229	16.159	47.388	-6.612	54.000	AVERAGE
3		2390.000	31.241	18.634	49.875	-4.125	54.000	AVERAGE
4	*	2410.700	31.455	60.764	92.220	38.220	54.000	AVERAGE
5		2483.500	31.980	12.340	44.319	-9.681	54.000	AVERAGE
6		2496.800	31.943	12.415	44.358	-9.642	54.000	AVERAGE
7		2500.000	31.934	12.381	44.316	-9.684	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 : 2014/10/01 - 21:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH1**

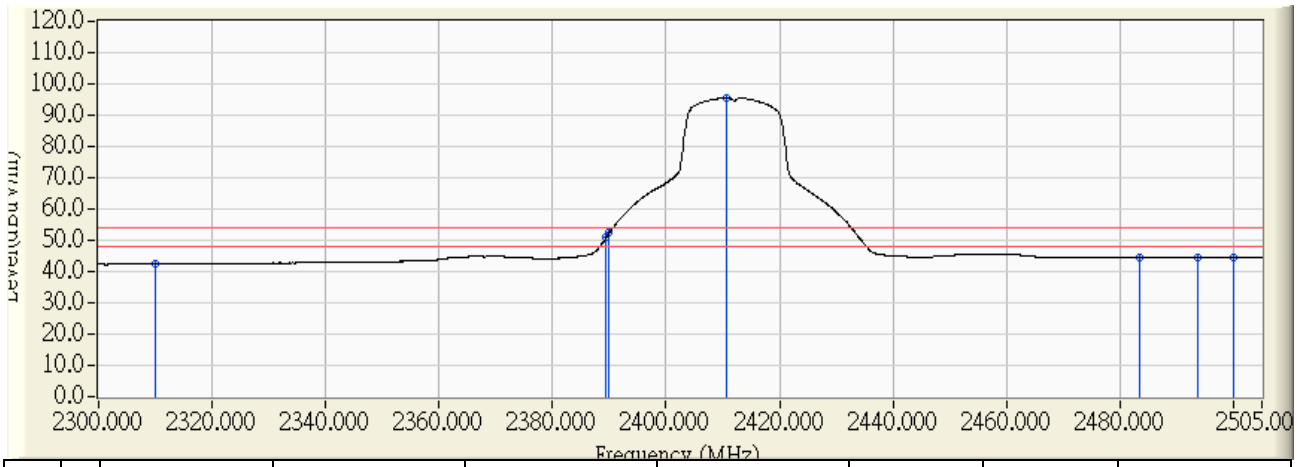


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.829	53.240	-20.760	74.000	PEAK
2		2389.380	31.234	35.284	66.518	-7.482	74.000	PEAK
3		2390.000	31.241	36.505	67.746	-6.254	74.000	PEAK
4	*	2410.290	31.451	75.269	106.720	32.720	74.000	PEAK
5		2483.500	31.980	23.759	55.738	-18.262	74.000	PEAK
6		2498.748	31.938	25.329	57.267	-16.733	74.000	PEAK
7		2500.000	31.934	24.289	56.224	-17.776	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 : 2014/10/01 - 21:42**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH1**

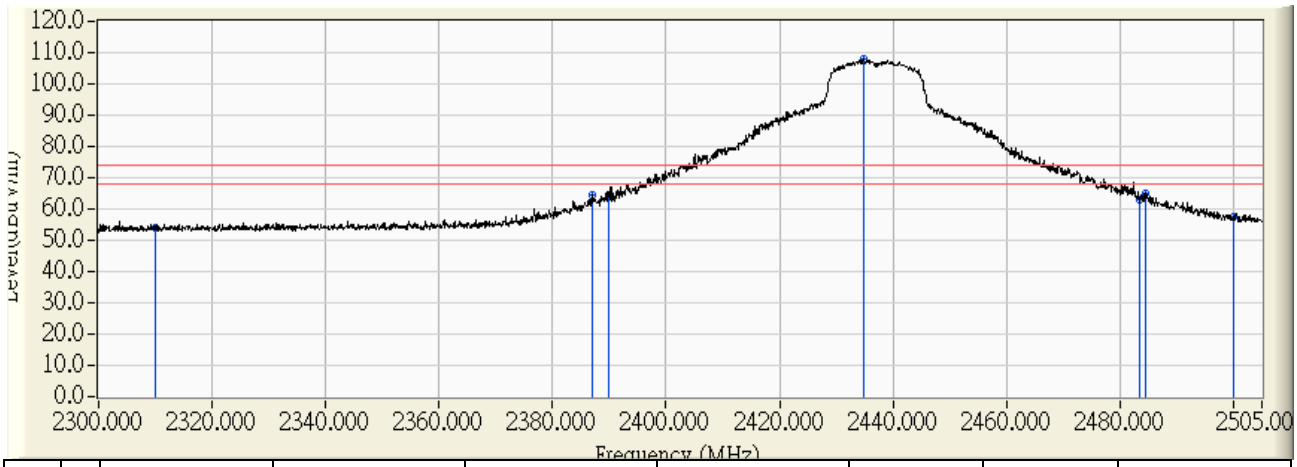


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.949	42.360	-11.640	54.000	AVERAGE
2		2389.482	31.236	19.702	50.938	-3.062	54.000	AVERAGE
3		2390.000	31.241	21.060	52.301	-1.699	54.000	AVERAGE
4	*	2410.597	31.454	64.241	95.696	41.696	54.000	AVERAGE
5		2483.500	31.980	12.438	44.417	-9.583	54.000	AVERAGE
6		2493.623	31.952	12.487	44.439	-9.561	54.000	AVERAGE
7		2500.000	31.934	12.507	44.442	-9.558	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 : 2014/10/01 - 22:03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH06**

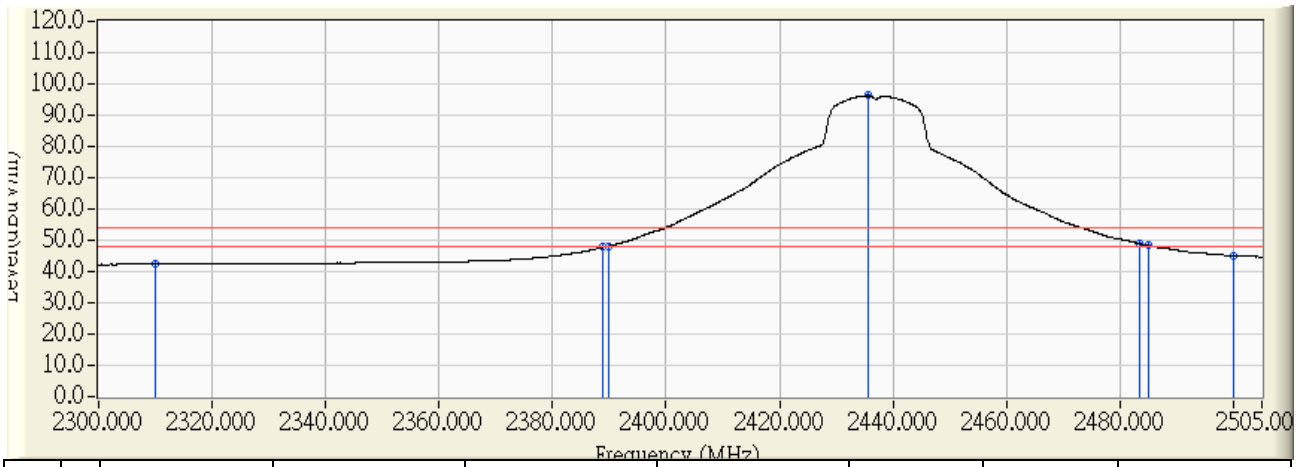


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	23.567	53.978	-20.022	74.000	PEAK
2		2386.920	31.209	33.066	64.275	-9.725	74.000	PEAK
3		2390.000	31.241	32.835	64.076	-9.924	74.000	PEAK
4	*	2434.890	31.707	76.252	107.958	33.958	74.000	PEAK
5		2483.500	31.980	30.880	62.859	-11.141	74.000	PEAK
6		2484.397	31.977	33.175	65.152	-8.848	74.000	PEAK
7		2500.000	31.934	25.379	57.314	-16.686	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 : 2014/10/01 - 22:04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH06**

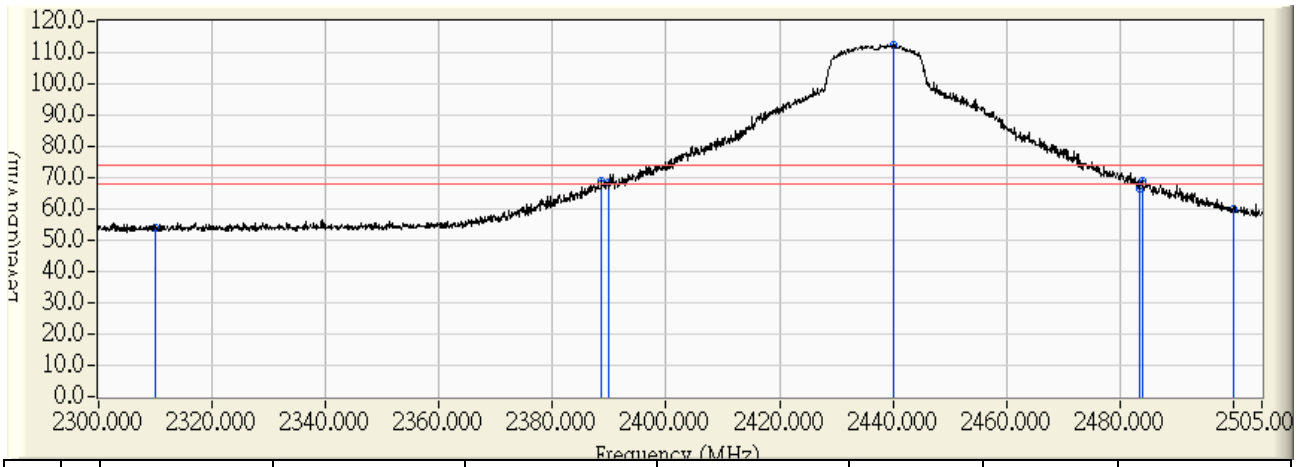


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.918	42.329	-11.671	54.000	AVERAGE
2		2388.867	31.229	16.550	47.779	-6.221	54.000	AVERAGE
3		2390.000	31.241	17.006	48.247	-5.753	54.000	AVERAGE
4	*	2435.505	31.712	64.567	96.280	42.280	54.000	AVERAGE
5		2483.500	31.980	16.950	48.929	-5.071	54.000	AVERAGE
6		2484.910	31.976	16.329	48.305	-5.695	54.000	AVERAGE
7		2500.000	31.934	13.133	45.068	-8.932	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 : 2014/10/01 - 21:59**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH06**

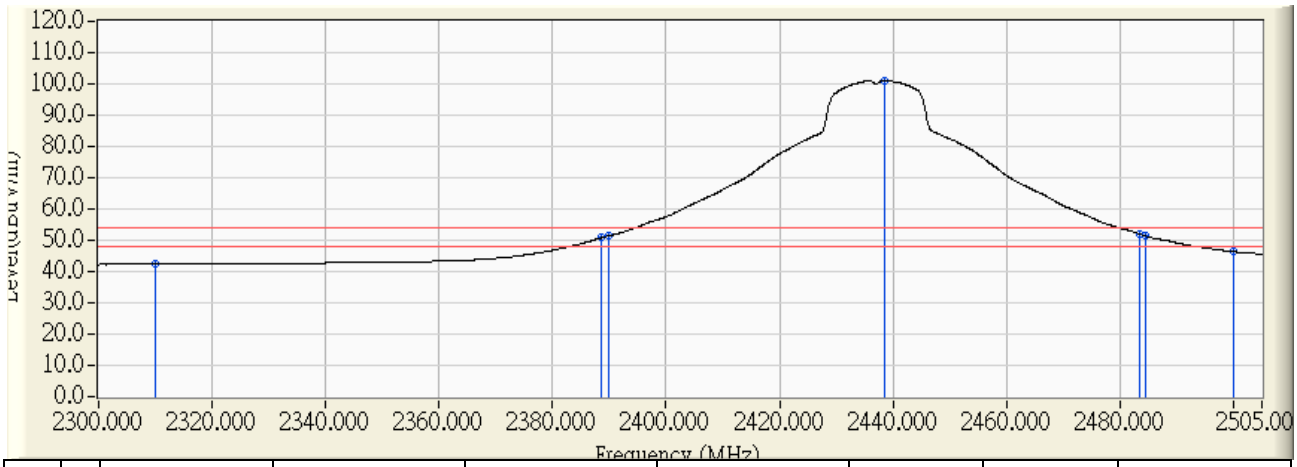


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	23.796	54.207	-19.793	74.000	PEAK
2		2388.663	31.227	37.589	68.816	-5.184	74.000	PEAK
3		2390.000	31.241	37.330	68.571	-5.429	74.000	PEAK
4	*	2440.015	31.760	80.821	112.581	38.581	74.000	PEAK
5		2483.500	31.980	34.733	66.712	-7.288	74.000	PEAK
6		2484.090	31.977	36.844	68.822	-5.178	74.000	PEAK
7		2500.000	31.934	28.135	60.070	-13.930	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 : 2014/10/01 - 21:58**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH06**

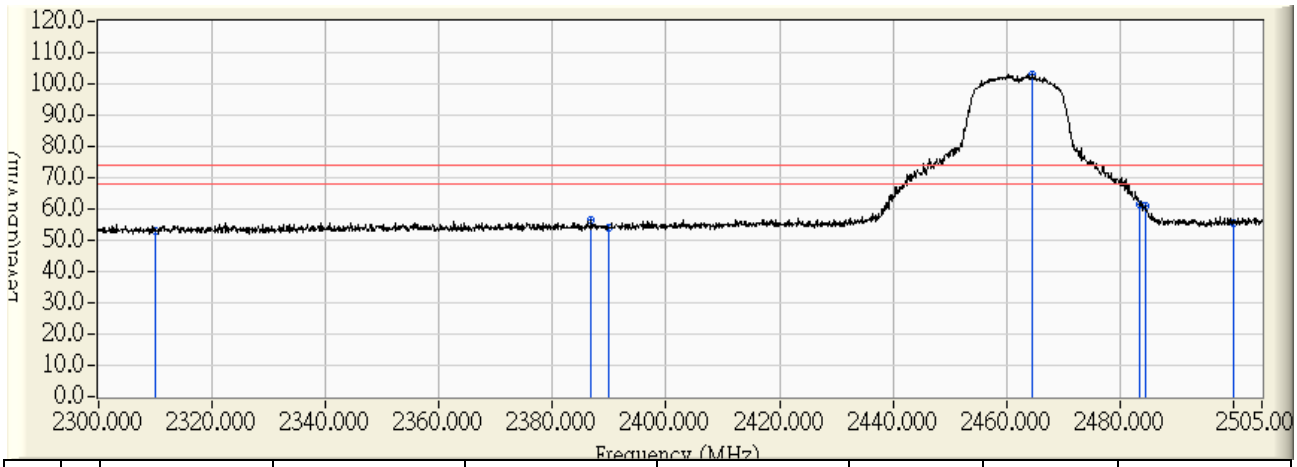


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.957	42.368	-11.632	54.000	AVERAGE
2		2388.663	31.227	19.604	50.831	-3.169	54.000	AVERAGE
3		2390.000	31.241	20.217	51.458	-2.542	54.000	AVERAGE
4	*	2438.375	31.743	69.270	101.013	47.013	54.000	AVERAGE
5		2483.500	31.980	19.972	51.951	-2.049	54.000	AVERAGE
6		2484.397	31.977	19.459	51.436	-2.564	54.000	AVERAGE
7		2500.000	31.934	14.368	46.303	-7.697	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 : 2014/10/01 - 22:14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH11**

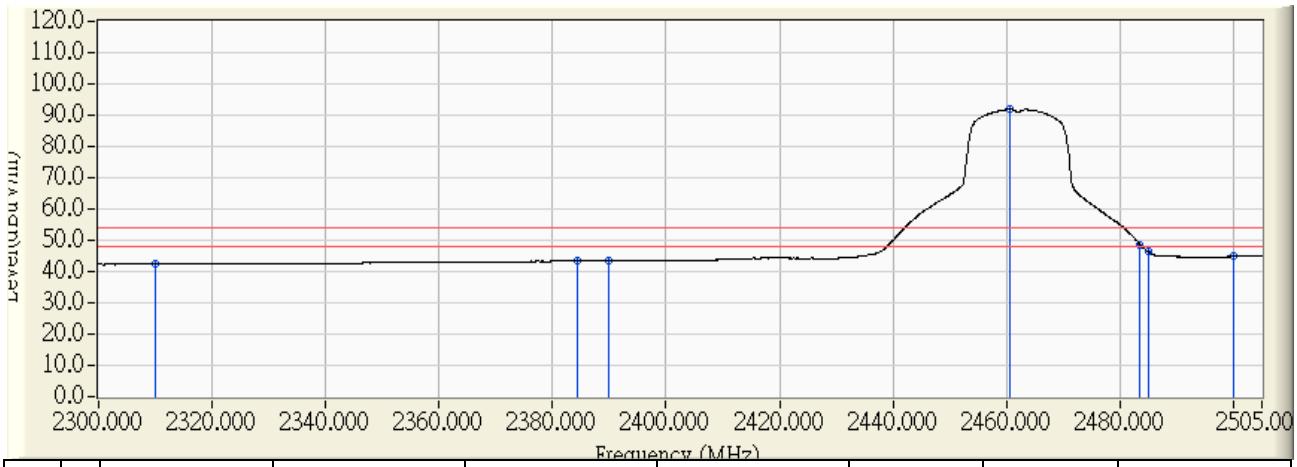


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.749	53.160	-20.840	74.000	PEAK
2		2386.715	31.207	25.075	56.282	-17.718	74.000	PEAK
3		2390.000	31.241	22.581	53.822	-20.178	74.000	PEAK
4	*	2464.615	31.988	71.147	103.135	29.135	74.000	PEAK
5		2483.500	31.980	29.468	61.447	-12.553	74.000	PEAK
6		2484.603	31.977	28.979	60.955	-13.045	74.000	PEAK
7		2500.000	31.934	23.724	55.659	-18.341	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 : 2014/10/01 - 22:15**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH11**

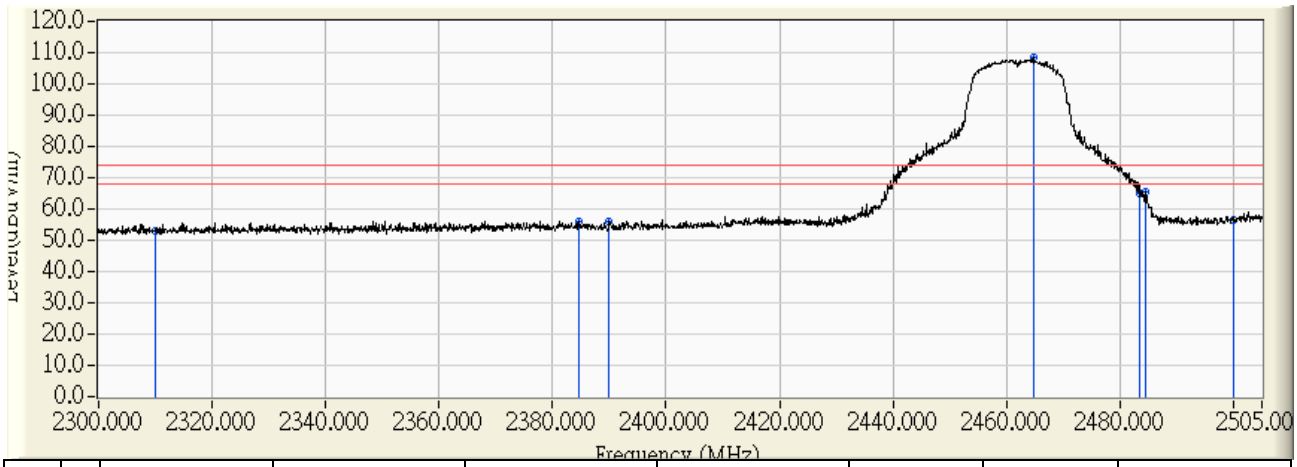


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.941	42.352	-11.648	54.000	AVERAGE
2		2384.255	31.181	12.158	43.339	-10.661	54.000	AVERAGE
3		2390.000	31.241	12.164	43.405	-10.595	54.000	AVERAGE
4	*	2460.617	31.973	59.900	91.873	37.873	54.000	AVERAGE
5		2483.500	31.980	16.755	48.734	-5.266	54.000	AVERAGE
6		2484.910	31.976	14.389	46.365	-7.635	54.000	AVERAGE
7		2500.000	31.934	12.846	44.781	-9.219	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/10/01 - 22:11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH11**

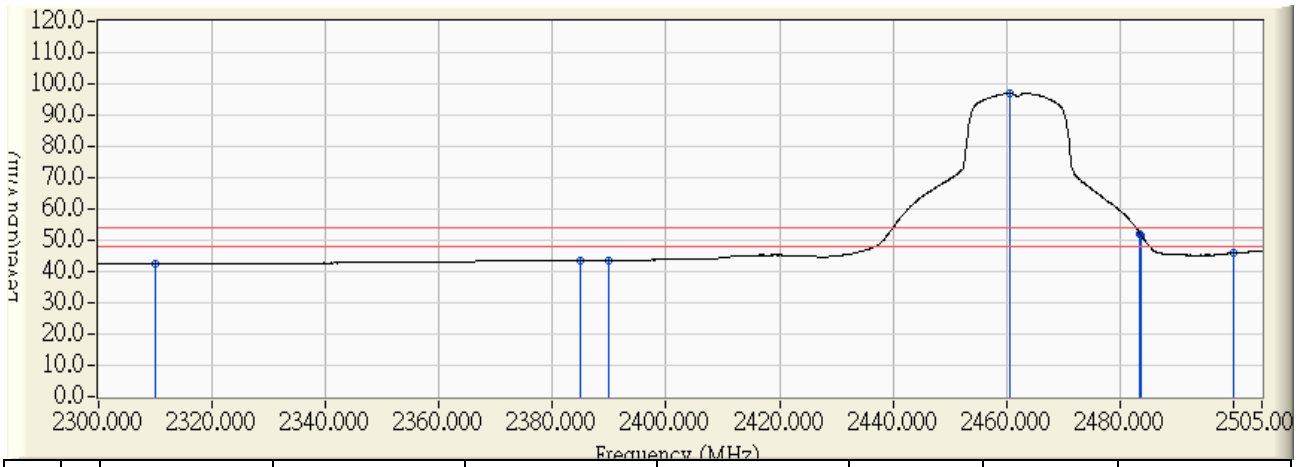


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.716	53.127	-20.873	74.000	PEAK
2		2384.562	31.185	24.669	55.854	-18.146	74.000	PEAK
3		2390.000	31.241	24.617	55.858	-18.142	74.000	PEAK
4	*	2464.718	31.988	76.515	108.503	34.503	74.000	PEAK
5		2483.500	31.980	33.249	65.228	-8.772	74.000	PEAK
6		2484.603	31.977	33.292	65.268	-8.732	74.000	PEAK
7		2500.000	31.934	24.420	56.355	-17.645	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/10/01 - 22:10**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11g_CH11**

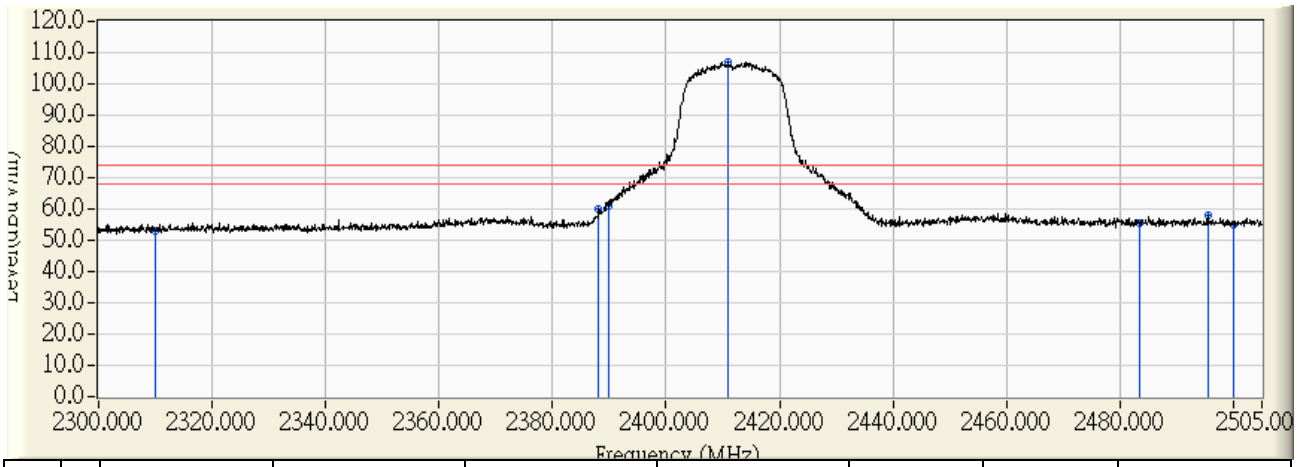


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.977	42.388	-11.612	54.000	AVERAGE
2		2384.768	31.187	12.326	43.513	-10.487	54.000	AVERAGE
3		2390.000	31.241	12.400	43.641	-10.359	54.000	AVERAGE
4	*	2460.617	31.973	65.012	96.985	42.985	54.000	AVERAGE
5		2483.500	31.980	20.119	52.098	-1.902	54.000	AVERAGE
6		2483.680	31.979	19.684	51.663	-2.337	54.000	AVERAGE
7		2500.000	31.934	13.915	45.850	-8.150	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 : 2014/10/01 - 22:26**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH01**

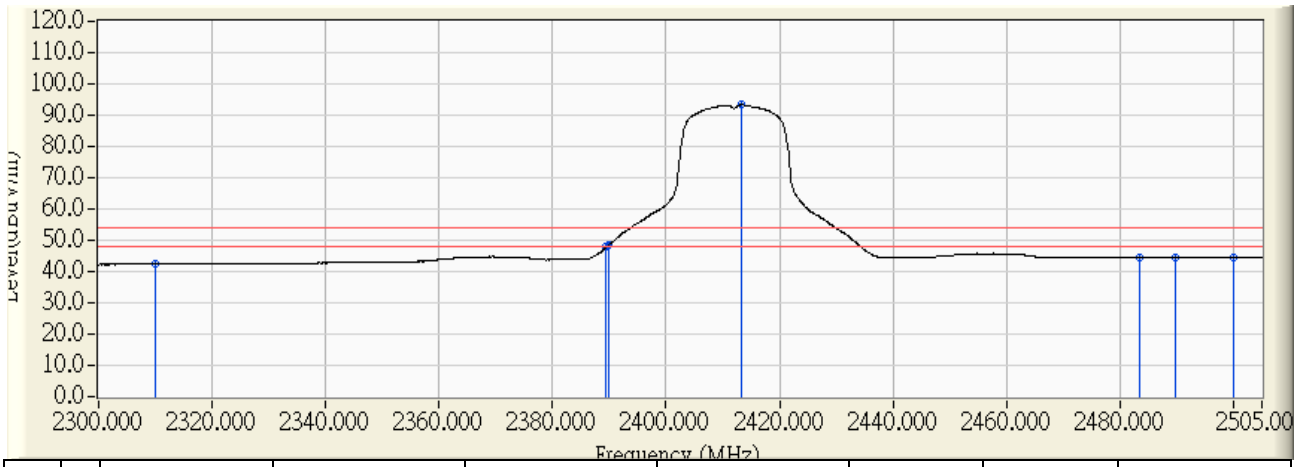


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.407	52.818	-21.182	74.000	PEAK
2		2388.150	31.222	28.600	59.822	-14.178	74.000	PEAK
3		2390.000	31.241	29.511	60.752	-13.248	74.000	PEAK
4	*	2410.905	31.458	75.460	106.918	32.918	74.000	PEAK
5		2483.500	31.980	23.318	55.297	-18.703	74.000	PEAK
6		2495.468	31.947	26.060	58.007	-15.993	74.000	PEAK
7		2500.000	31.934	23.261	55.196	-18.804	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 : 2014/10/01 - 22:27**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH01**

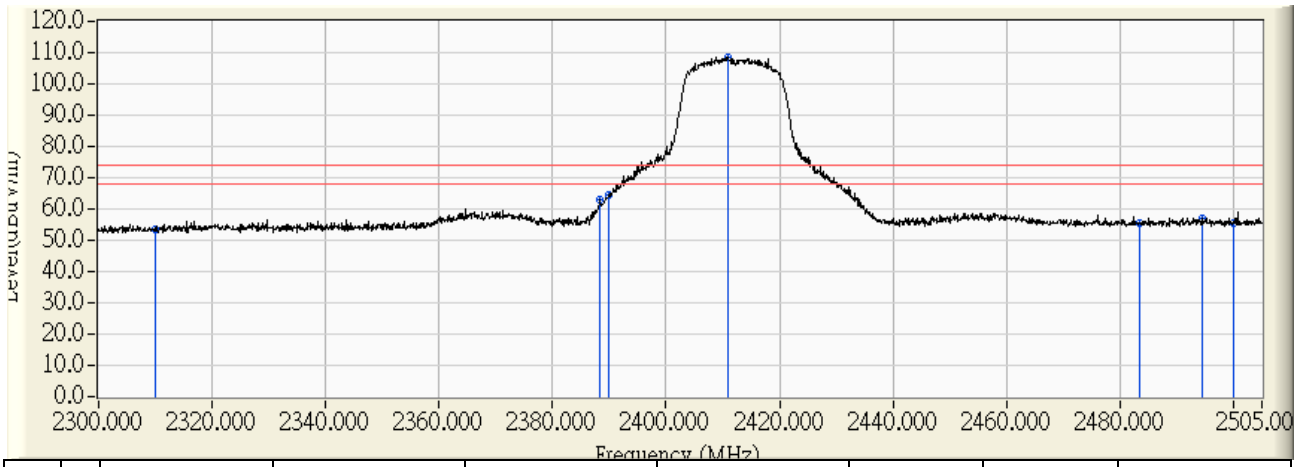


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.955	42.366	-11.634	54.000	AVERAGE
2		2389.482	31.236	16.609	47.845	-6.155	54.000	AVERAGE
3		2390.000	31.241	17.409	48.650	-5.350	54.000	AVERAGE
4	*	2413.160	31.481	61.838	93.319	39.319	54.000	AVERAGE
5		2483.500	31.980	12.396	44.375	-9.625	54.000	AVERAGE
6		2489.625	31.963	12.457	44.420	-9.580	54.000	AVERAGE
7		2500.000	31.934	12.439	44.374	-9.626	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 : 2014/10/01 - 22:22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH01**

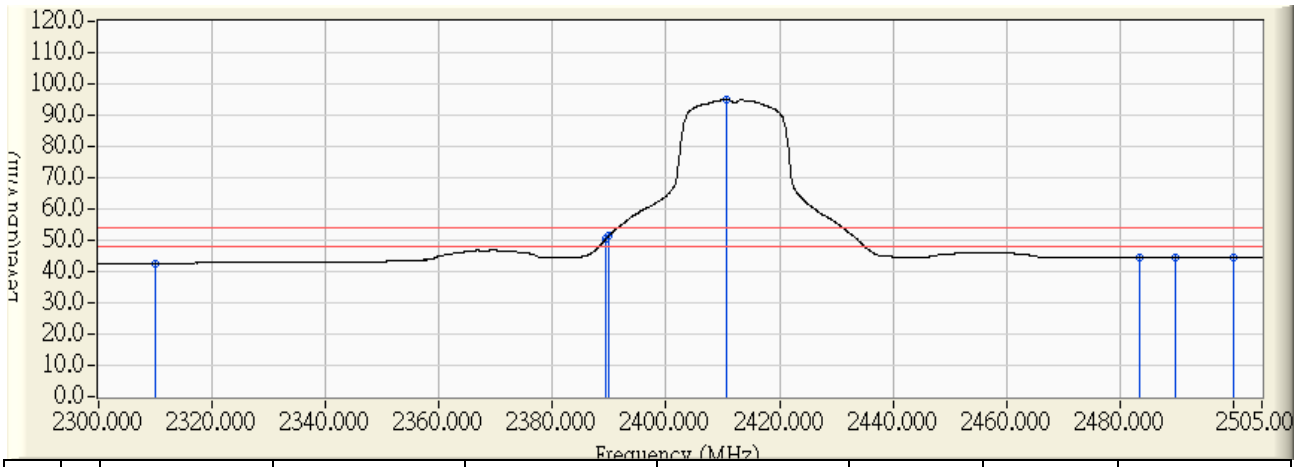


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.940	53.351	-20.649	74.000	PEAK
2		2388.355	31.224	31.855	63.079	-10.921	74.000	PEAK
3		2390.000	31.241	33.194	64.435	-9.565	74.000	PEAK
4	*	2410.905	31.458	77.188	108.646	34.646	74.000	PEAK
5		2483.500	31.980	23.350	55.329	-18.671	74.000	PEAK
6		2494.442	31.949	24.857	56.807	-17.193	74.000	PEAK
7		2500.000	31.934	23.566	55.501	-18.499	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 : 2014/10/01 - 22:21**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH01**

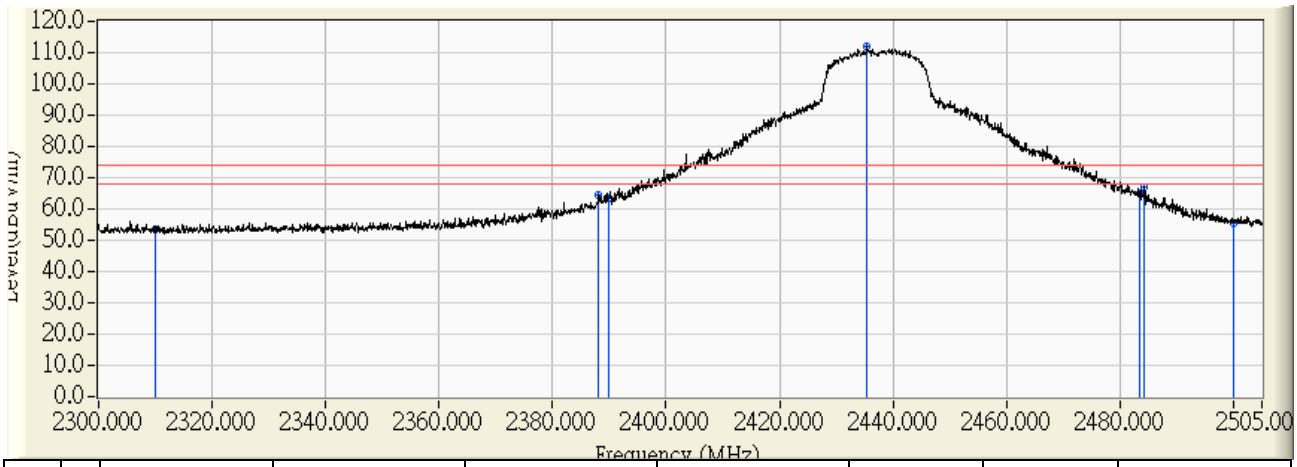


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	12.071	42.482	-11.518	54.000	AVERAGE
2		2389.380	31.234	19.177	50.411	-3.589	54.000	AVERAGE
3		2390.000	31.241	20.334	51.575	-2.425	54.000	AVERAGE
4	*	2410.597	31.454	63.566	95.021	41.021	54.000	AVERAGE
5		2483.500	31.980	12.531	44.510	-9.490	54.000	AVERAGE
6		2489.625	31.963	12.563	44.526	-9.474	54.000	AVERAGE
7		2500.000	31.934	12.651	44.586	-9.414	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 : 2014/10/01 - 22:38**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH06**

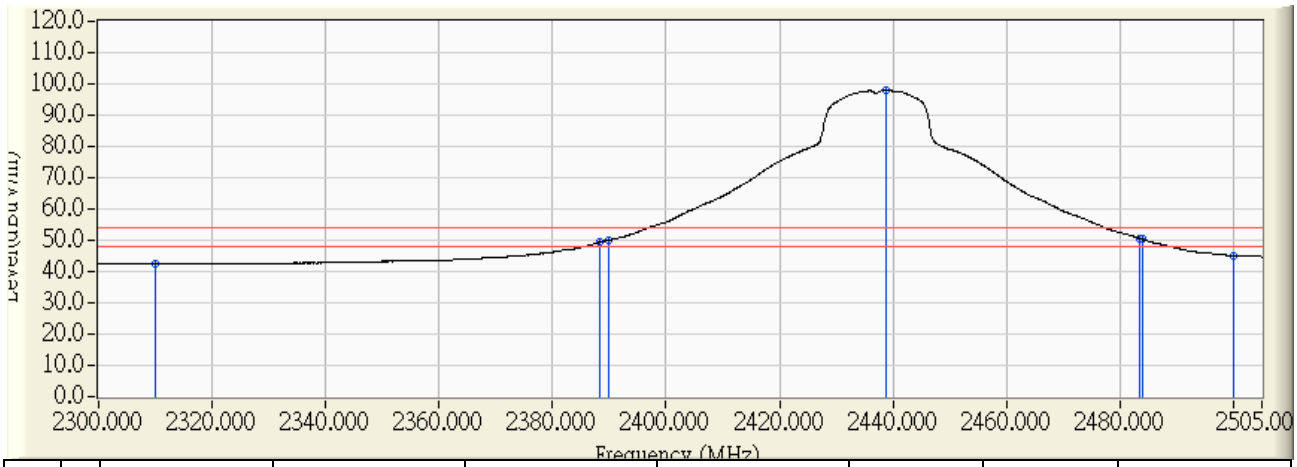


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.954	53.365	-20.635	74.000	PEAK
2		2388.150	31.222	33.286	64.508	-9.492	74.000	PEAK
3		2390.000	31.241	32.199	63.440	-10.560	74.000	PEAK
4	*	2435.403	31.712	80.087	111.799	37.799	74.000	PEAK
5		2483.500	31.980	32.962	64.941	-9.059	74.000	PEAK
6		2484.295	31.978	34.967	66.944	-7.056	74.000	PEAK
7		2500.000	31.934	23.591	55.526	-18.474	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 : 2014/10/01 - 22:41**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH06**

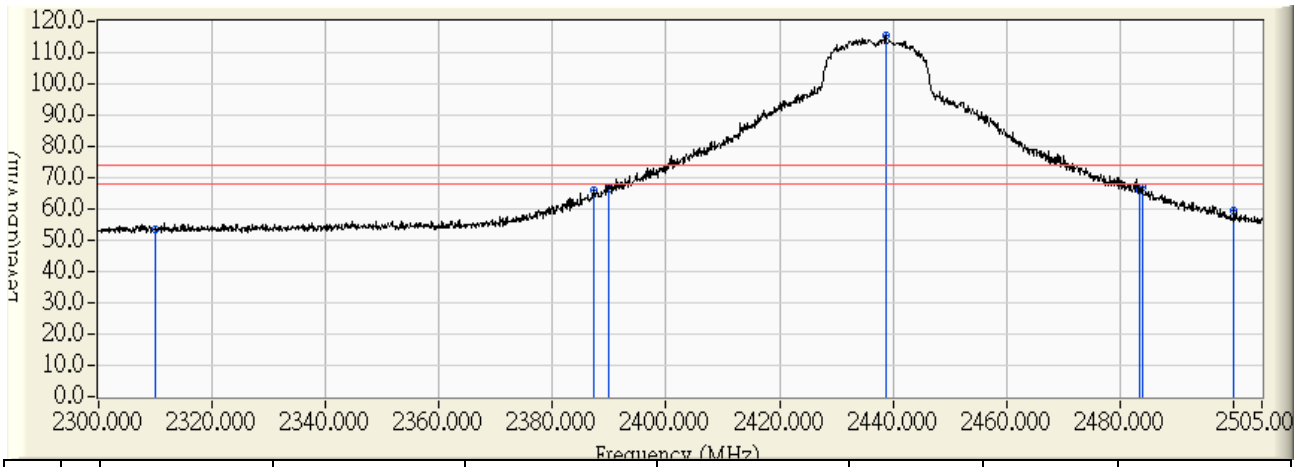


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.990	42.401	-11.599	54.000	AVERAGE
2		2388.252	31.223	18.058	49.281	-4.719	54.000	AVERAGE
3		2390.000	31.241	18.836	50.077	-3.923	54.000	AVERAGE
4	*	2438.785	31.747	66.199	97.946	43.946	54.000	AVERAGE
5		2483.500	31.980	18.542	50.521	-3.479	54.000	AVERAGE
6		2483.885	31.978	18.306	50.284	-3.716	54.000	AVERAGE
7		2500.000	31.934	13.141	45.076	-8.924	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 : 2014/10/01 - 22:33**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH06**

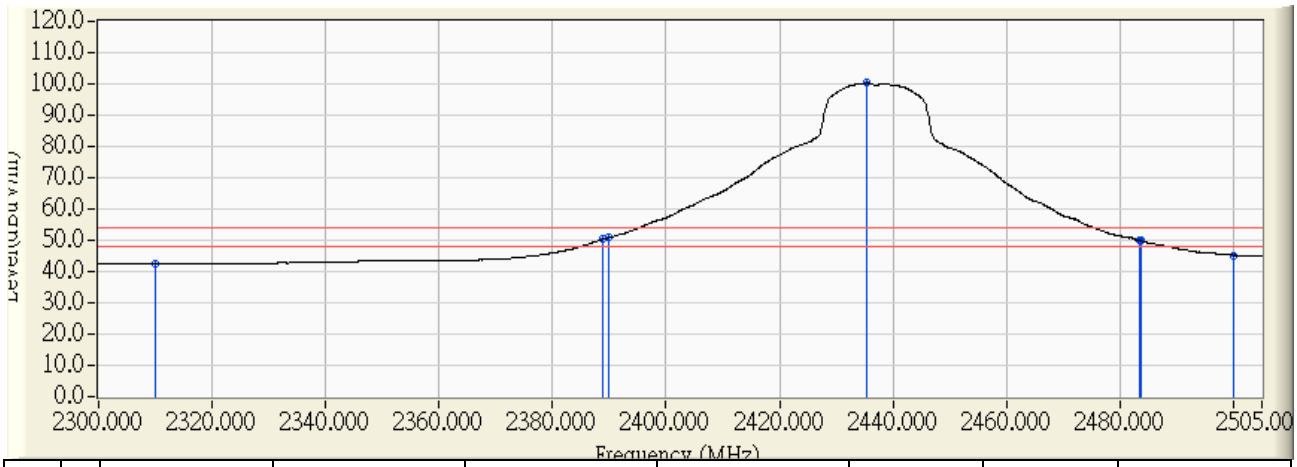


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	23.257	53.668	-20.332	74.000	PEAK
2		2387.228	31.212	34.545	65.757	-8.243	74.000	PEAK
3		2390.000	31.241	35.111	66.352	-7.648	74.000	PEAK
4	*	2438.785	31.747	83.796	115.543	41.543	74.000	PEAK
5		2483.500	31.980	33.863	65.842	-8.158	74.000	PEAK
6		2483.988	31.978	34.873	66.851	-7.149	74.000	PEAK
7		2500.000	31.934	27.433	59.368	-14.632	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 : 2014/10/01 - 22:33**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH06**

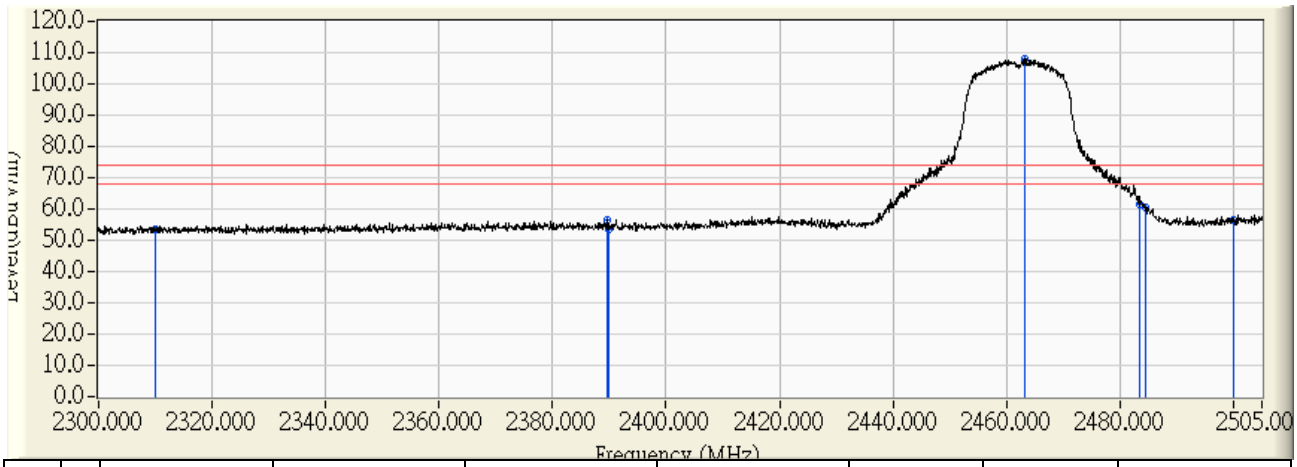


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	12.070	42.481	-11.519	54.000	AVERAGE
2		2388.765	31.228	19.036	50.264	-3.736	54.000	AVERAGE
3		2390.000	31.241	19.666	50.907	-3.093	54.000	AVERAGE
4	*	2435.403	31.712	68.612	100.324	46.324	54.000	AVERAGE
5		2483.500	31.980	17.885	49.864	-4.136	54.000	AVERAGE
6		2483.680	31.979	17.873	49.852	-4.148	54.000	AVERAGE
7		2500.000	31.934	13.280	45.215	-8.785	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 : 2014/10/01 - 22:53**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz__CH11**

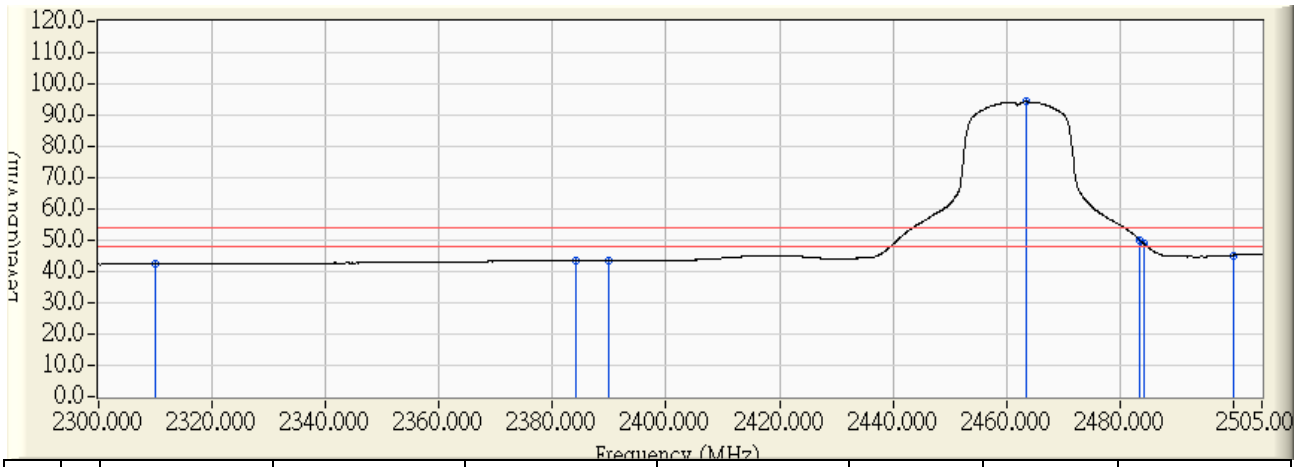


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.845	53.256	-20.744	74.000	PEAK
2		2389.687	31.238	25.172	56.410	-17.590	74.000	PEAK
3		2390.000	31.241	22.299	53.540	-20.460	74.000	PEAK
4	*	2463.282	31.988	76.008	107.996	33.996	74.000	PEAK
5		2483.500	31.980	29.740	61.719	-12.281	74.000	PEAK
6		2484.397	31.977	28.491	60.468	-13.532	74.000	PEAK
7		2500.000	31.934	24.385	56.320	-17.680	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 : 2014/10/01 - 22:54**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH11**

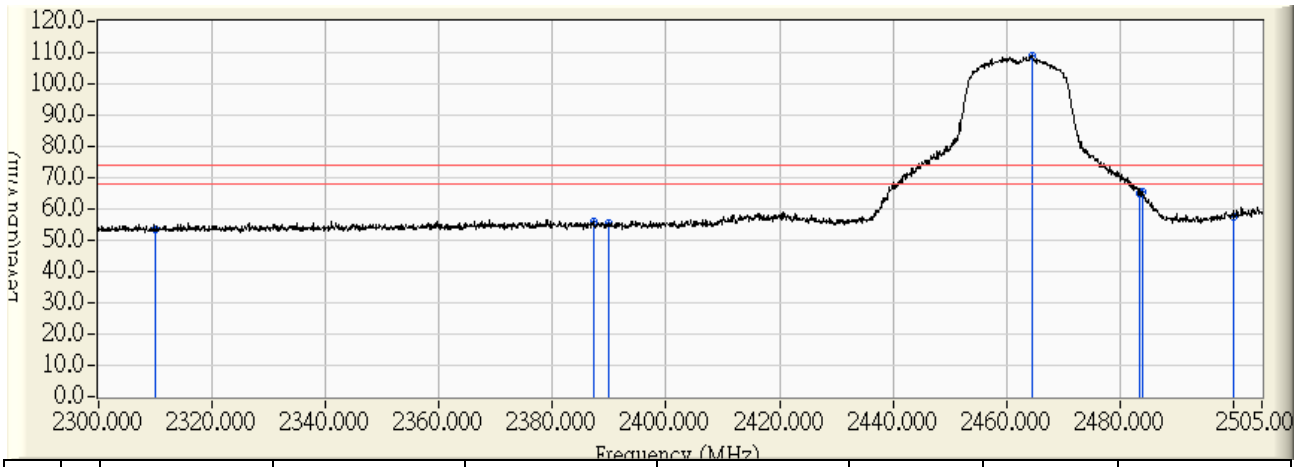


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.946	42.357	-11.643	54.000	AVERAGE
2		2384.050	31.179	12.239	43.418	-10.582	54.000	AVERAGE
3		2390.000	31.241	12.227	43.468	-10.532	54.000	AVERAGE
4	*	2463.385	31.988	62.323	94.311	40.311	54.000	AVERAGE
5		2483.500	31.980	17.974	49.953	-4.047	54.000	AVERAGE
6		2484.192	31.977	16.804	48.782	-5.218	54.000	AVERAGE
7		2500.000	31.934	13.303	45.238	-8.762	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 : 2014/10/01 - 22:49**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH11**

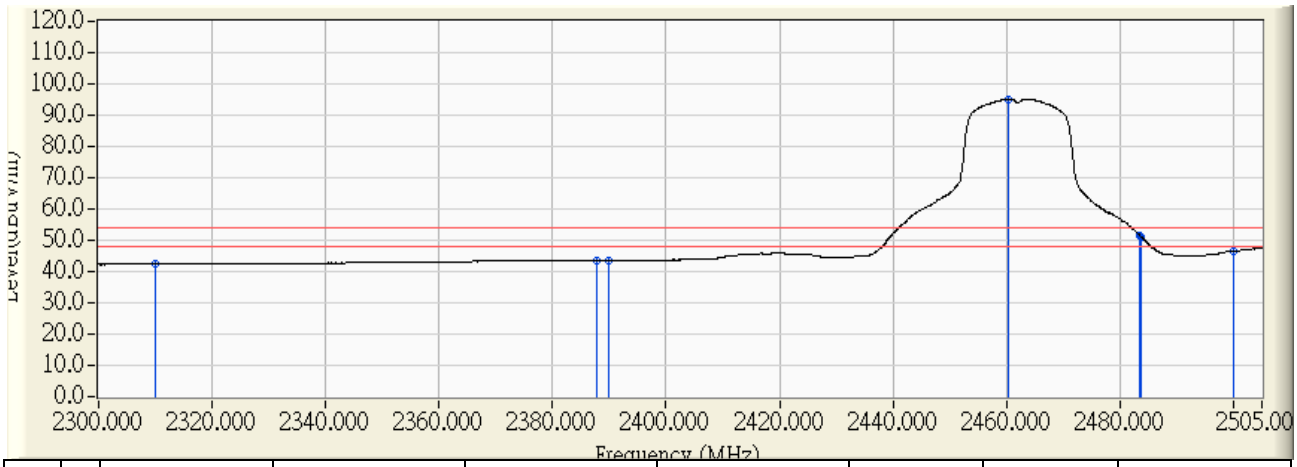


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.875	53.286	-20.714	74.000	PEAK
2		2387.228	31.212	24.779	55.991	-18.009	74.000	PEAK
3		2390.000	31.241	24.089	55.330	-18.670	74.000	PEAK
4	*	2464.410	31.988	76.880	108.868	34.868	74.000	PEAK
5		2483.500	31.980	32.955	64.934	-9.066	74.000	PEAK
6		2483.885	31.978	33.302	65.280	-8.720	74.000	PEAK
7		2500.000	31.934	25.505	57.440	-16.560	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 : 2014/10/01 - 22:48**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 20MHz_CH11**

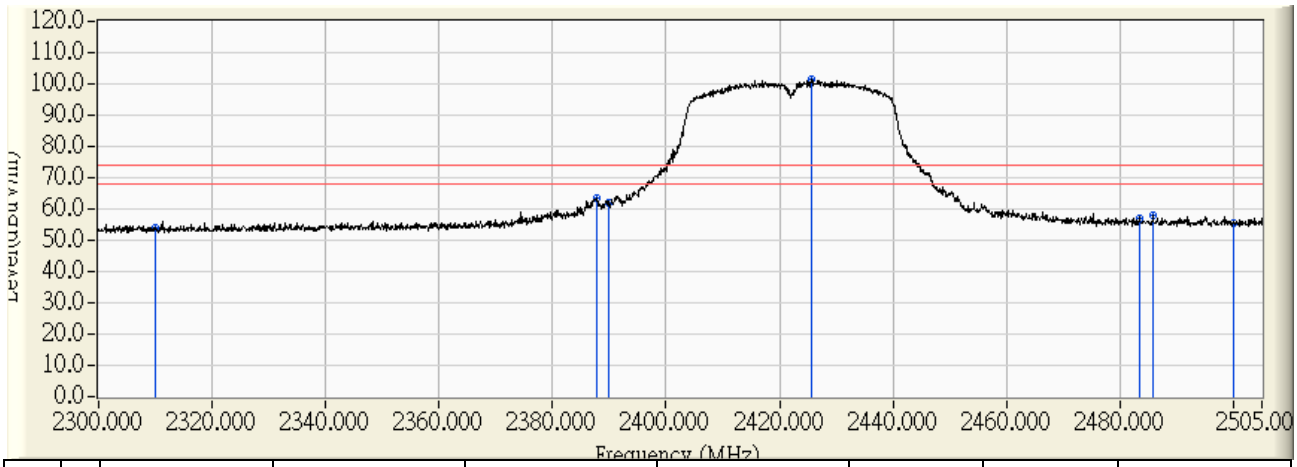


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.973	42.384	-11.616	54.000	AVERAGE
2		2387.740	31.217	12.271	43.488	-10.512	54.000	AVERAGE
3		2390.000	31.241	12.320	43.561	-10.439	54.000	AVERAGE
4	*	2460.208	31.969	63.184	95.153	41.153	54.000	AVERAGE
5		2483.500	31.980	19.525	51.504	-2.496	54.000	AVERAGE
6		2483.680	31.979	19.245	51.224	-2.776	54.000	AVERAGE
7		2500.000	31.934	14.623	46.558	-7.442	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 : 2014/10/01 - 23:07**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH03**

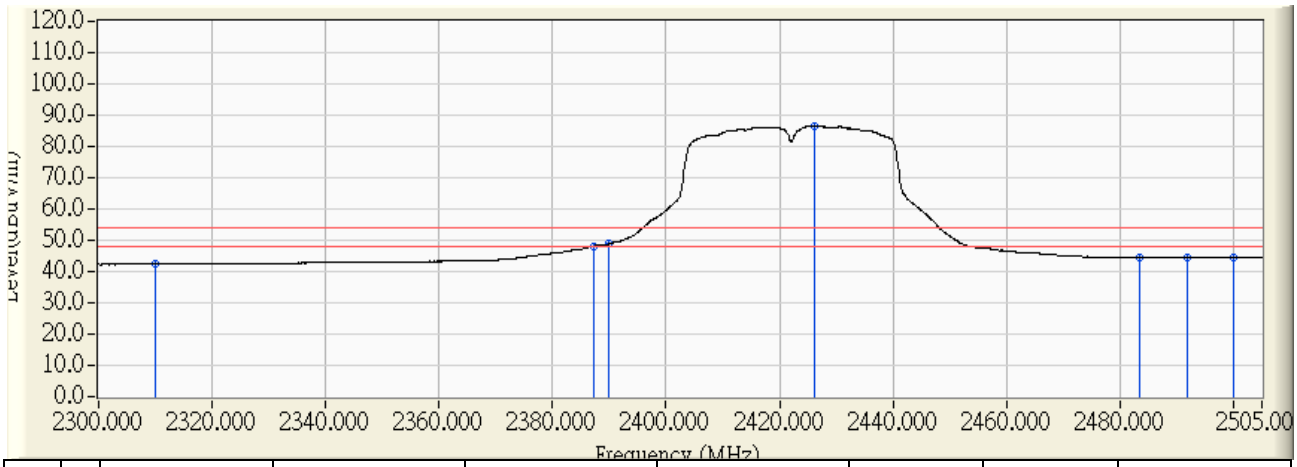


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	23.403	53.814	-20.186	74.000	PEAK
2		2387.843	31.219	32.040	63.259	-10.741	74.000	PEAK
3		2390.000	31.241	30.581	61.822	-12.178	74.000	PEAK
4	*	2425.562	31.610	69.978	101.588	27.588	74.000	PEAK
5		2483.500	31.980	25.099	57.078	-16.922	74.000	PEAK
6		2485.833	31.974	25.946	57.919	-16.081	74.000	PEAK
7		2500.000	31.934	23.543	55.478	-18.522	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 : 2014/10/01 - 23:08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH03**

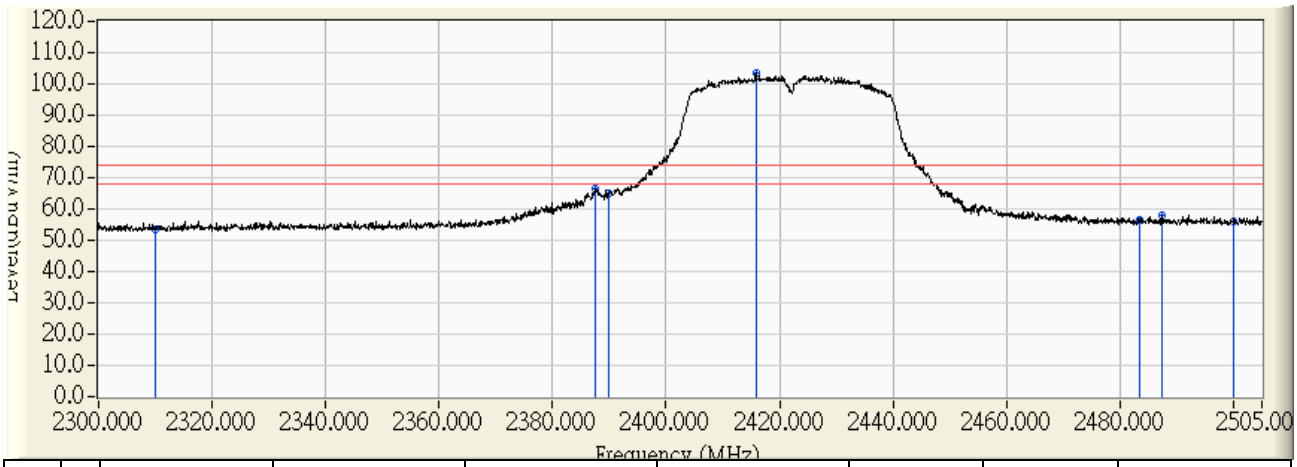


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.944	42.355	-11.645	54.000	AVERAGE
2		2387.228	31.212	17.019	48.231	-5.769	54.000	AVERAGE
3		2390.000	31.241	17.592	48.833	-5.167	54.000	AVERAGE
4	*	2426.280	31.618	55.087	86.704	32.704	54.000	AVERAGE
5		2483.500	31.980	12.572	44.551	-9.449	54.000	AVERAGE
6		2491.778	31.957	12.507	44.464	-9.536	54.000	AVERAGE
7		2500.000	31.934	12.516	44.451	-9.549	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 : 2014/10/01 - 23:01**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH03**

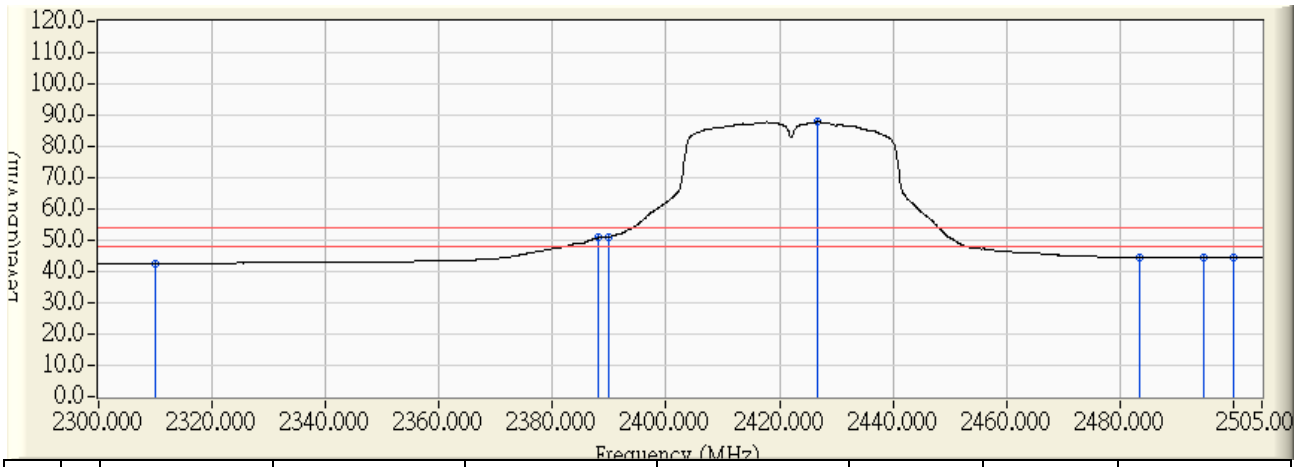


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	23.305	53.716	-20.284	74.000	PEAK
2		2387.535	31.215	35.105	66.320	-7.680	74.000	PEAK
3		2390.000	31.241	33.593	64.834	-9.166	74.000	PEAK
4	*	2415.825	31.508	71.763	103.272	29.272	74.000	PEAK
5		2483.500	31.980	24.311	56.290	-17.710	74.000	PEAK
6		2487.472	31.969	25.822	57.791	-16.209	74.000	PEAK
7		2500.000	31.934	23.956	55.891	-18.109	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 : 2014/10/01 - 23:00**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH03**

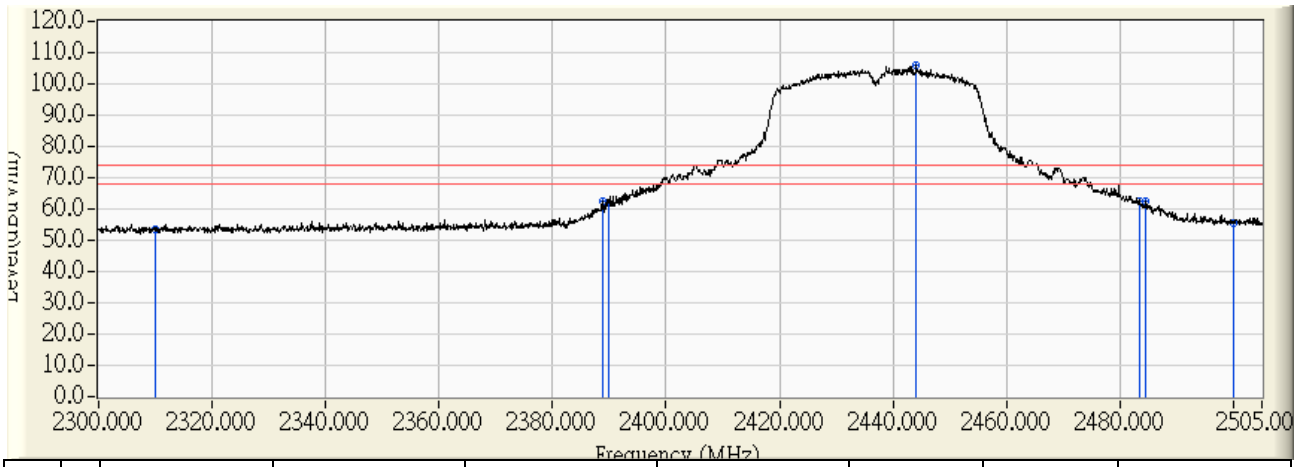


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	12.038	42.449	-11.551	54.000	AVERAGE
2		2388.150	31.222	19.627	50.849	-3.151	54.000	AVERAGE
3		2390.000	31.241	19.826	51.067	-2.933	54.000	AVERAGE
4	*	2426.690	31.621	56.212	87.833	33.833	54.000	AVERAGE
5		2483.500	31.980	12.657	44.636	-9.364	54.000	AVERAGE
6		2494.647	31.950	12.603	44.552	-9.448	54.000	AVERAGE
7		2500.000	31.934	12.559	44.494	-9.506	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 : 2014/10/01 - 23:19**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH06**

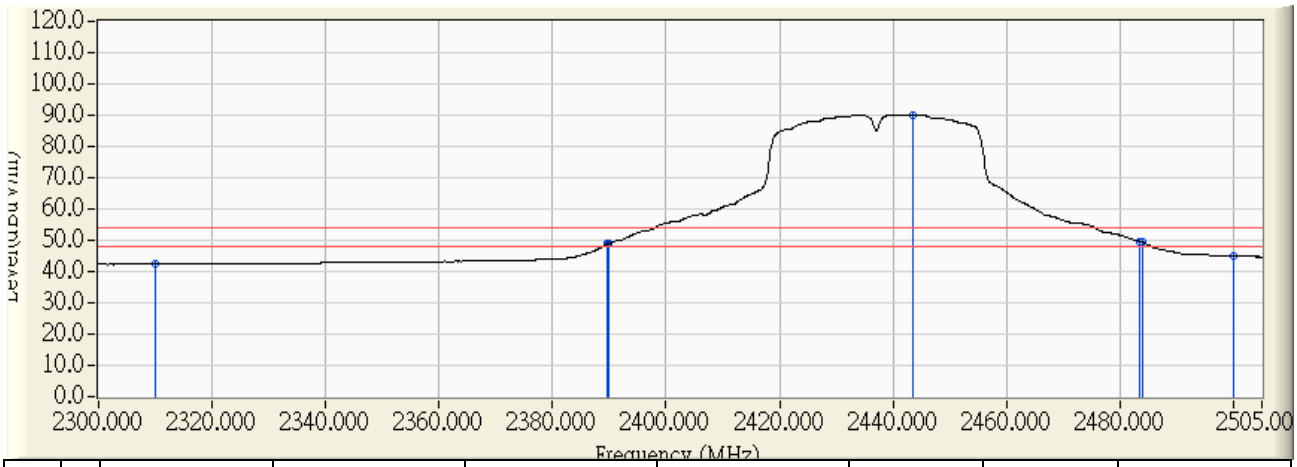


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	23.060	53.471	-20.529	74.000	PEAK
2		2388.765	31.228	31.053	62.281	-11.719	74.000	PEAK
3		2390.000	31.241	30.982	62.223	-11.777	74.000	PEAK
4	*	2444.012	31.801	74.046	105.847	31.847	74.000	PEAK
5		2483.500	31.980	30.589	62.568	-11.432	74.000	PEAK
6		2484.500	31.977	30.346	62.323	-11.677	74.000	PEAK
7		2500.000	31.934	23.764	55.699	-18.301	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 : 2014/10/01 - 23:20**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH06**

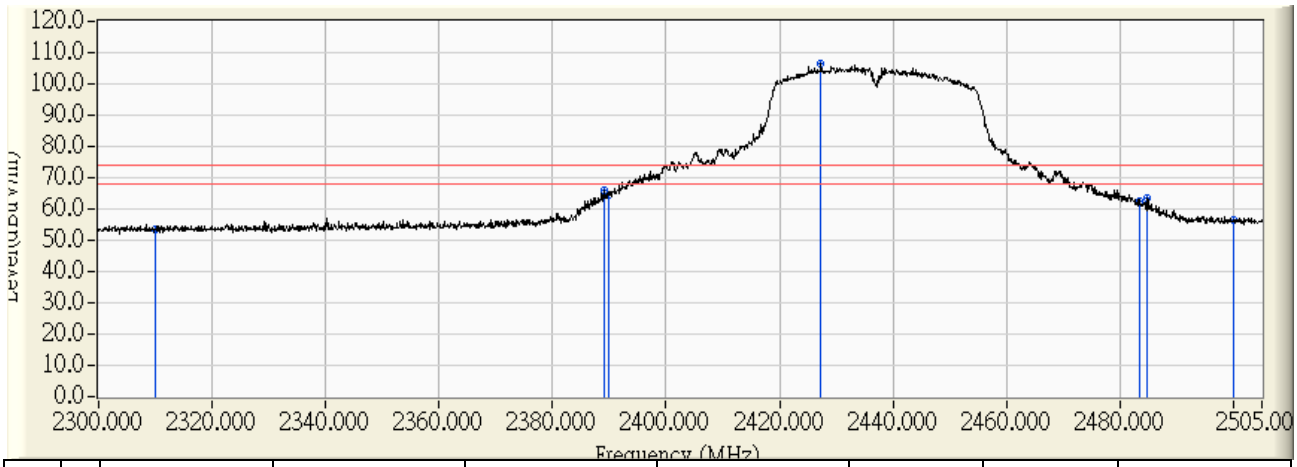


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.920	42.331	-11.669	54.000	AVERAGE
2		2389.687	31.238	17.523	48.761	-5.239	54.000	AVERAGE
3		2390.000	31.241	17.696	48.937	-5.063	54.000	AVERAGE
4	*	2443.500	31.796	58.429	90.225	36.225	54.000	AVERAGE
5		2483.500	31.980	17.678	49.657	-4.343	54.000	AVERAGE
6		2483.885	31.978	17.436	49.414	-4.586	54.000	AVERAGE
7		2500.000	31.934	12.950	44.885	-9.115	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2014/10/01 - 23:14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH06**

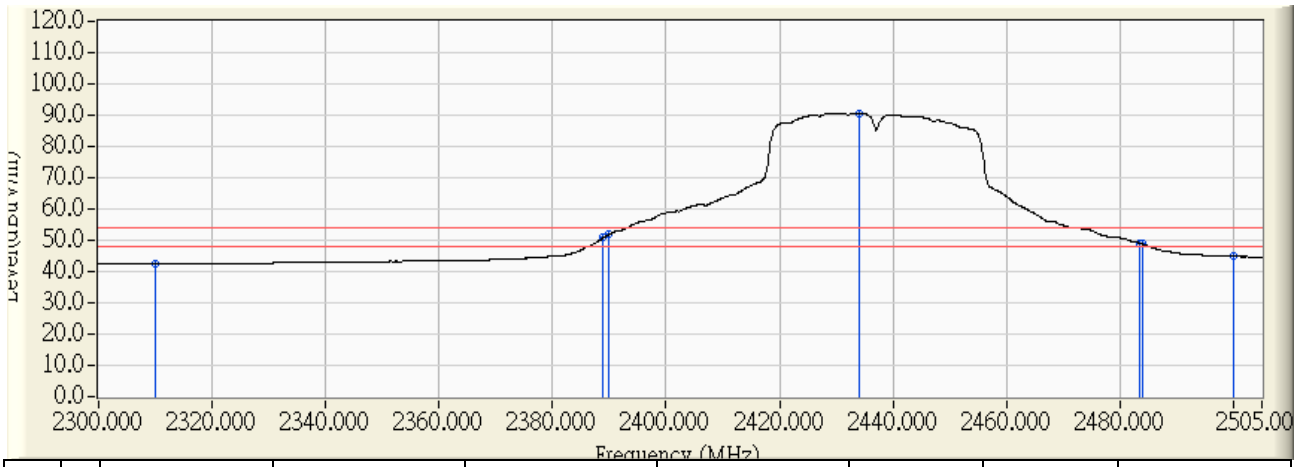


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	23.129	53.540	-20.460	74.000	PEAK
2		2389.073	31.231	34.614	65.845	-8.155	74.000	PEAK
3		2390.000	31.241	33.340	64.581	-9.419	74.000	PEAK
4	*	2427.305	31.628	74.654	106.282	32.282	74.000	PEAK
5		2483.500	31.980	30.623	62.602	-11.398	74.000	PEAK
6		2484.705	31.976	31.615	63.591	-10.409	74.000	PEAK
7		2500.000	31.934	24.350	56.285	-17.715	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 : 2014/10/01 - 23:13**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH06**

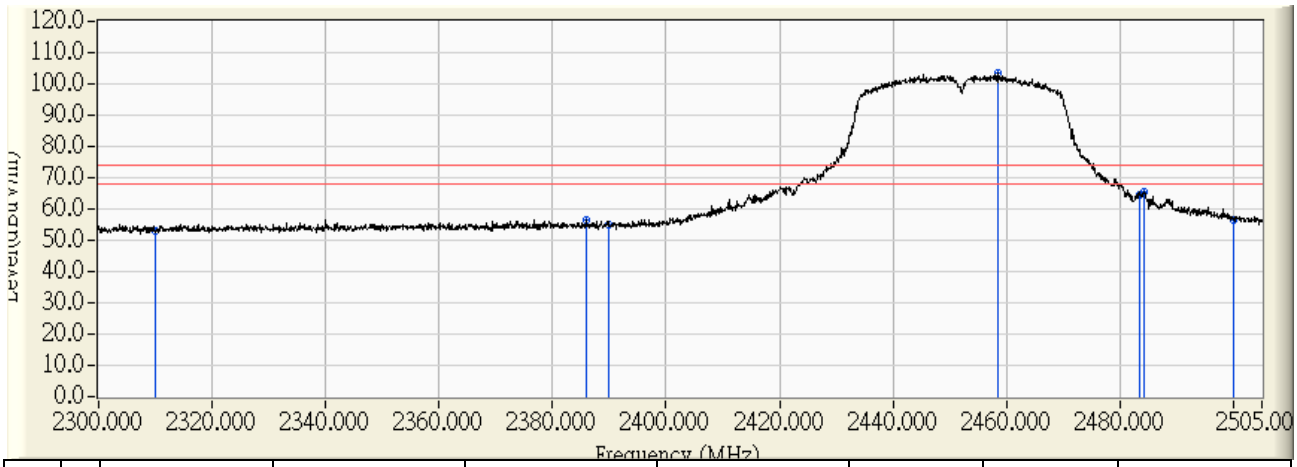


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	12.008	42.419	-11.581	54.000	AVERAGE
2		2388.867	31.229	19.523	50.752	-3.248	54.000	AVERAGE
3		2390.000	31.241	20.619	51.860	-2.140	54.000	AVERAGE
4	*	2433.968	31.697	59.013	90.710	36.710	54.000	AVERAGE
5		2483.500	31.980	17.065	49.044	-4.956	54.000	AVERAGE
6		2483.885	31.978	16.834	48.812	-5.188	54.000	AVERAGE
7		2500.000	31.934	12.838	44.773	-9.227	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 : 2014/10/01 - 23:30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH09**

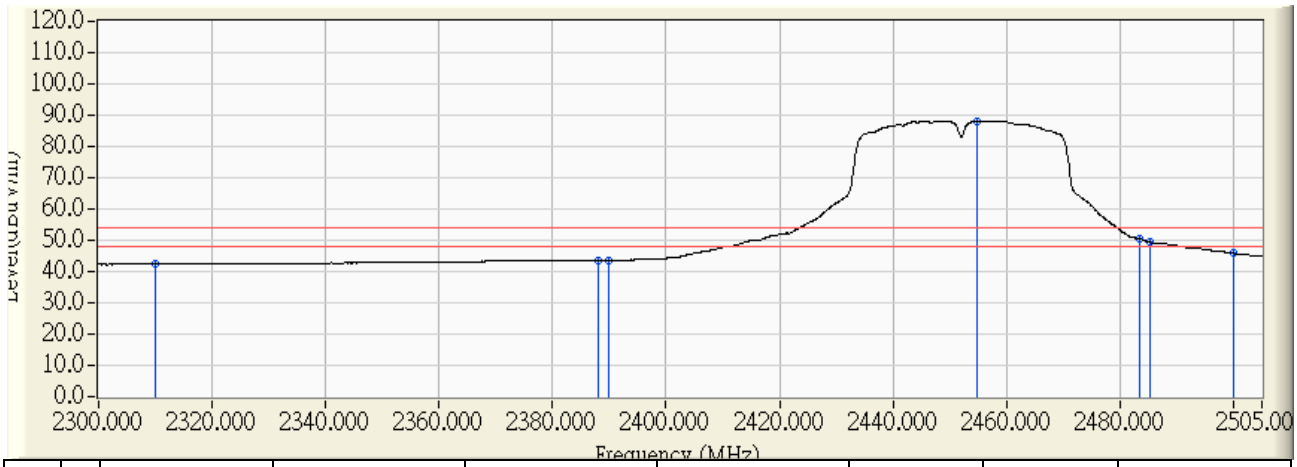


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	22.366	52.777	-21.223	74.000	PEAK
2		2385.998	31.199	25.509	56.708	-17.292	74.000	PEAK
3		2390.000	31.241	23.780	55.021	-18.979	74.000	PEAK
4	*	2458.363	31.950	71.325	103.275	29.275	74.000	PEAK
5		2483.500	31.980	32.745	64.724	-9.276	74.000	PEAK
6		2484.192	31.977	33.749	65.727	-8.273	74.000	PEAK
7		2500.000	31.934	24.718	56.653	-17.347	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 : 2014/10/01 - 23:31**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH09**

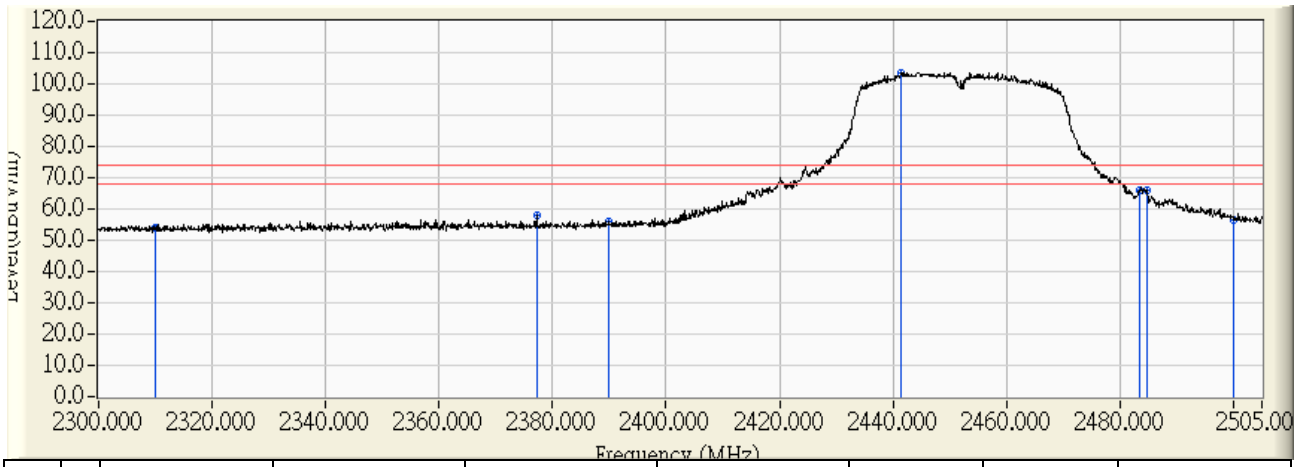


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	11.899	42.310	-11.690	54.000	AVERAGE
2		2387.945	31.220	12.372	43.592	-10.408	54.000	AVERAGE
3		2390.000	31.241	12.483	43.724	-10.276	54.000	AVERAGE
4	*	2454.775	31.913	56.274	88.187	34.187	54.000	AVERAGE
5		2483.500	31.980	18.493	50.472	-3.528	54.000	AVERAGE
6		2485.218	31.975	17.408	49.383	-4.617	54.000	AVERAGE
7		2500.000	31.934	13.837	45.772	-8.228	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 : 2014/10/01 - 23:26**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH09**

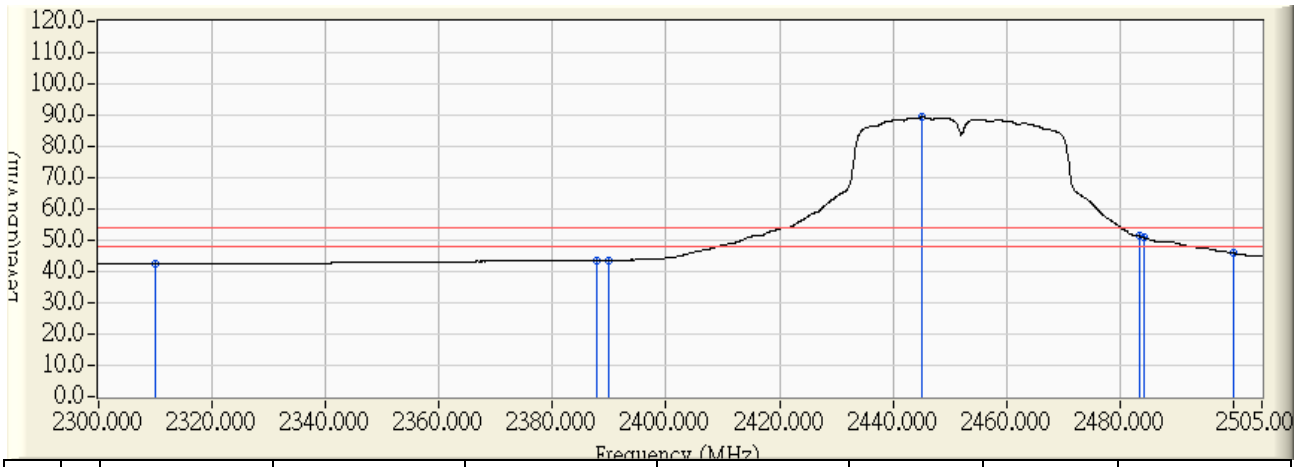


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	23.375	53.786	-20.214	74.000	PEAK
2		2377.183	31.108	27.119	58.227	-15.773	74.000	PEAK
3		2390.000	31.241	24.662	55.903	-18.097	74.000	PEAK
4	*	2441.450	31.774	71.943	103.717	29.717	74.000	PEAK
5		2483.500	31.980	34.028	66.007	-7.993	74.000	PEAK
6		2484.705	31.976	33.870	65.846	-8.154	74.000	PEAK
7		2500.000	31.934	24.812	56.747	-17.253	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 : 2014/10/01 - 23:25**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Powerline AV 500 Wireless N Mini Extender	**Note : 802.11n 40MHz_CH09**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	30.411	12.013	42.424	-11.576	54.000	AVERAGE
2		2387.740	31.217	12.321	43.538	-10.462	54.000	AVERAGE
3		2390.000	31.241	12.392	43.633	-10.367	54.000	AVERAGE
4	*	2445.038	31.812	57.485	89.297	35.297	54.000	AVERAGE
5		2483.500	31.980	19.310	51.289	-2.711	54.000	AVERAGE
6		2484.192	31.977	18.778	50.756	-3.244	54.000	AVERAGE
7		2500.000	31.934	13.853	45.788	-8.212	54.000	AVERAGE

Note:

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

7. Occupied Bandwidth

7.1. Test Equipment

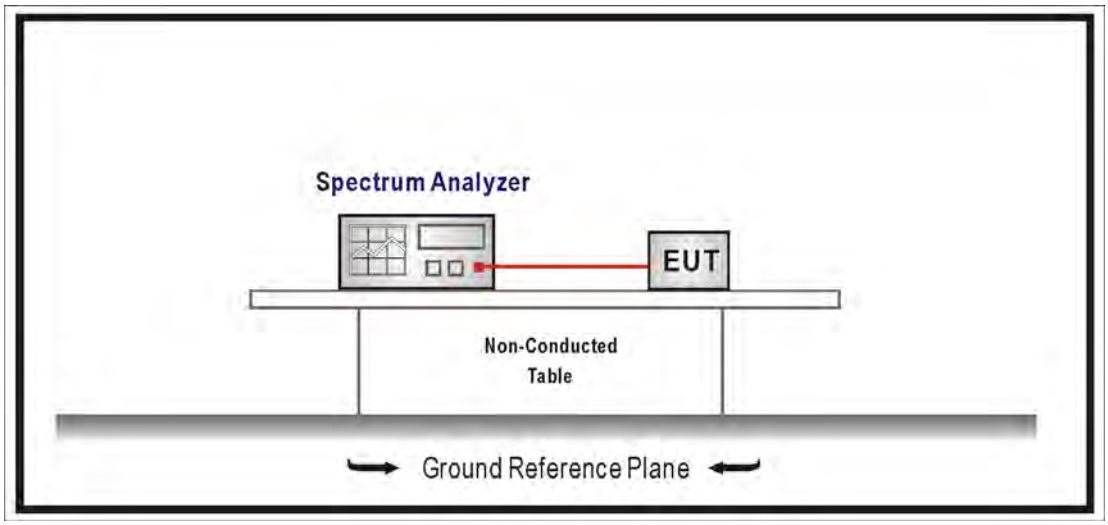
The following test equipments are used during the test:

Occupied Bandwidth / SR7

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

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

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 8.1 of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100KHz, VBW≧3xRBW, Sweep time=Auto, Set Peak detector.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

7.6. Uncertainty

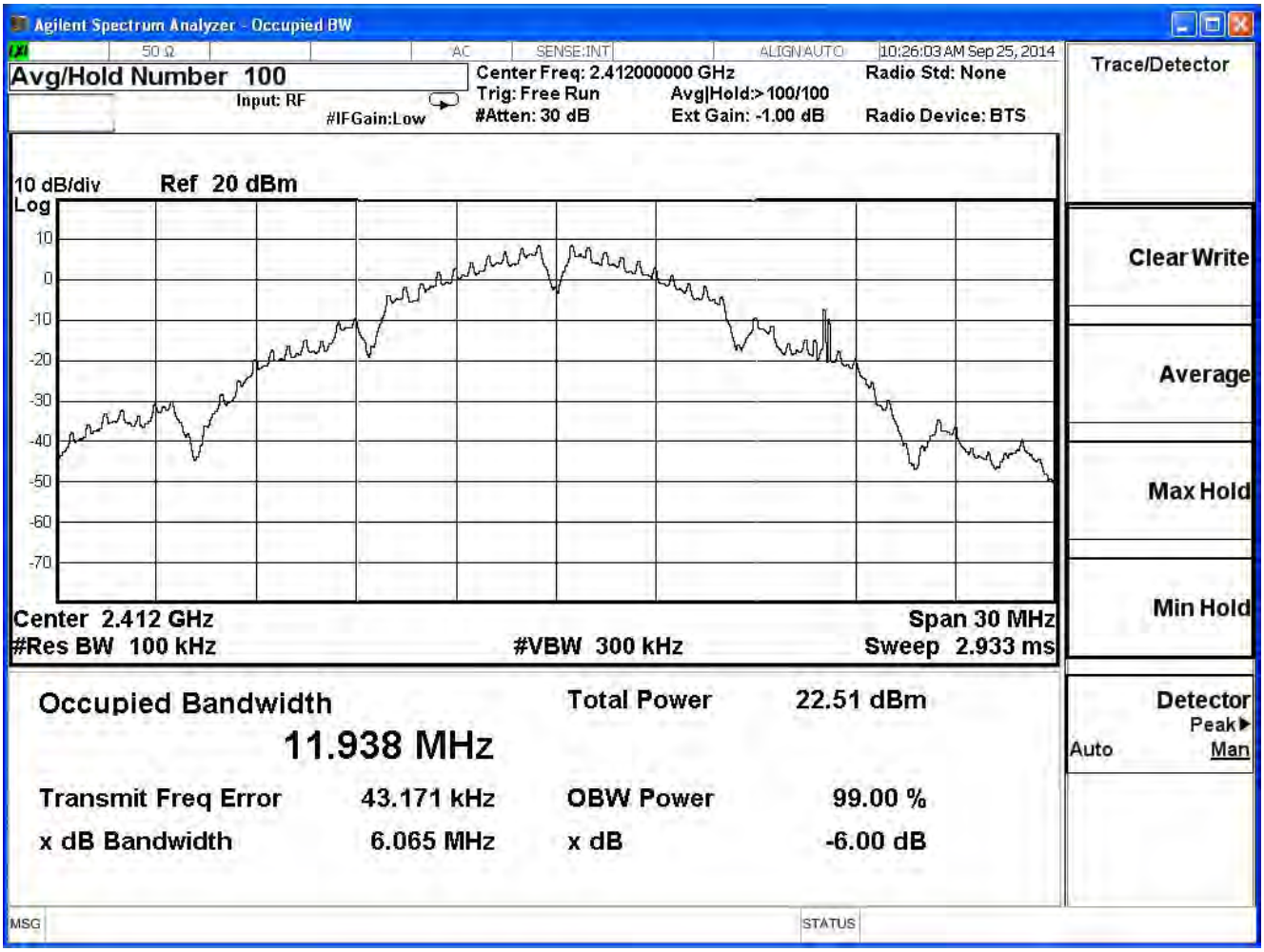
The measurement uncertainty is defined as ±150Hz

7.7. Test Result

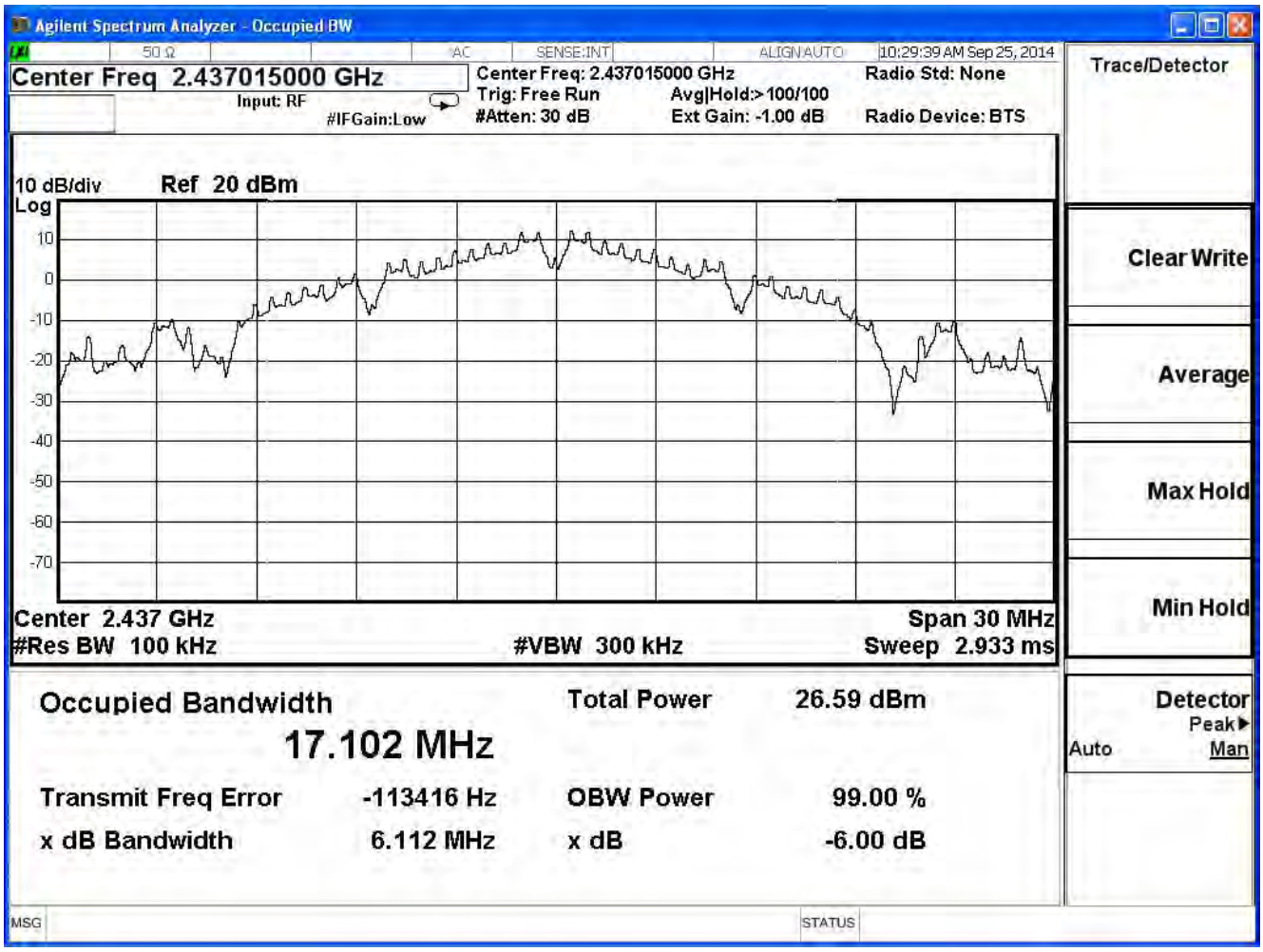
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/05	Test Site	SR7

802.11 b, ANT 0				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	6.065	≧0.5	Pass
6	2437	6.112	≧0.5	Pass
11	2462	6.051	≧0.5	Pass

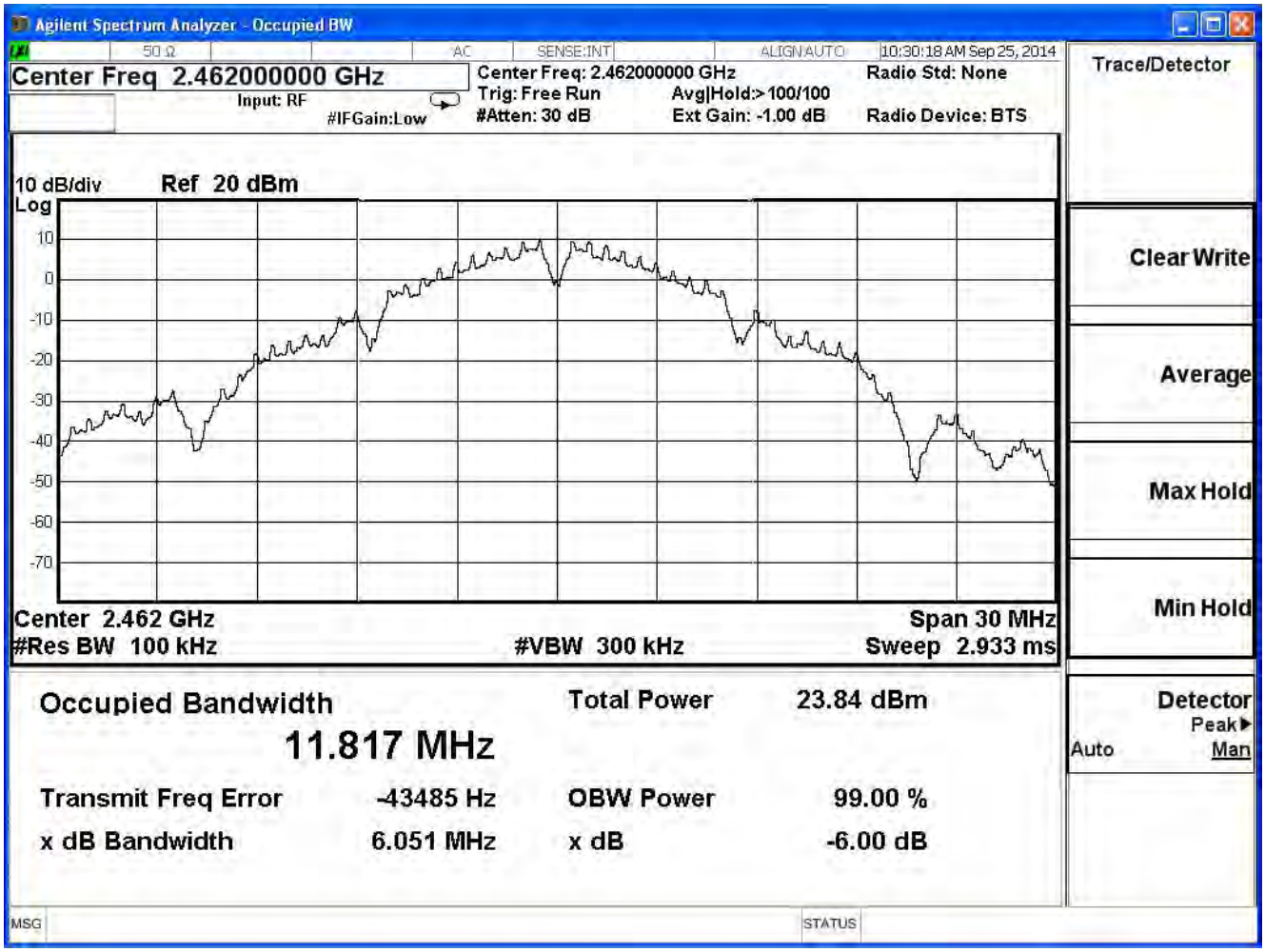
Channel 1 (2412MHz)



Channel 6 (2437MHz)



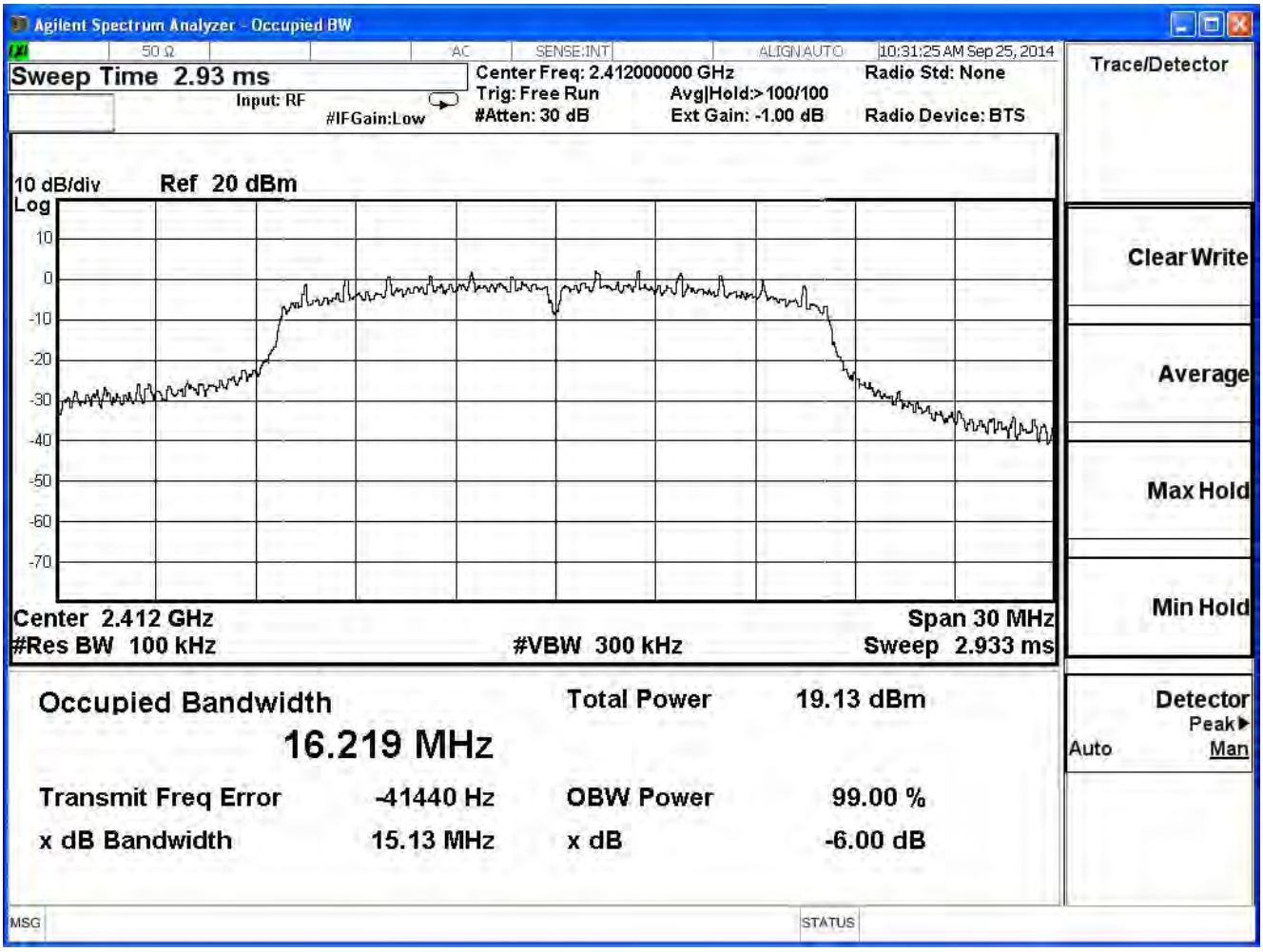
Channel 11 (2462MHz)



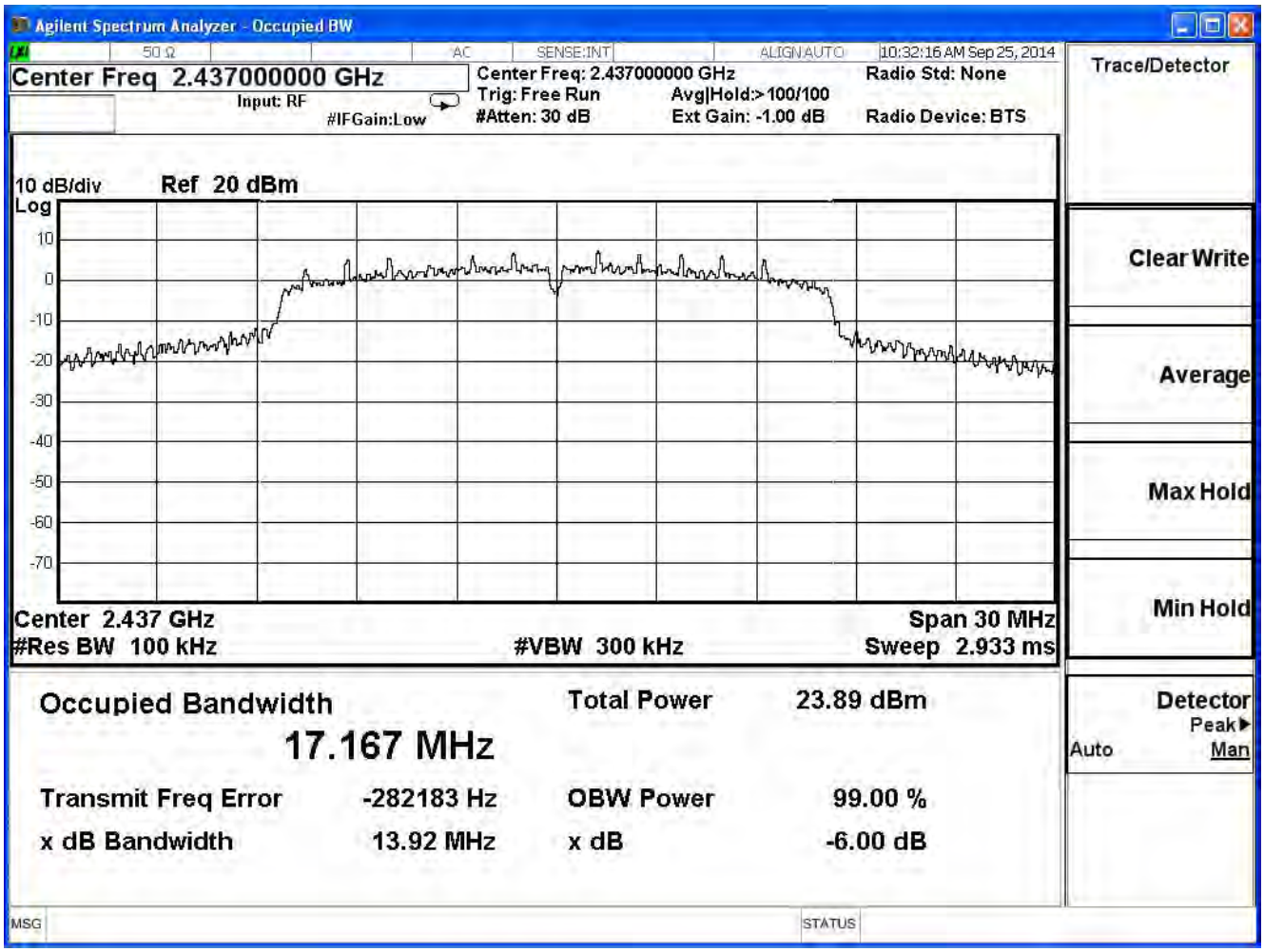
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/05	Test Site	SR7

IEEE 802.11g, ANT 0				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	15.13	≧0.5	Pass
6	2437	13.92	≧0.5	Pass
11	2462	15.12	≧0.5	Pass

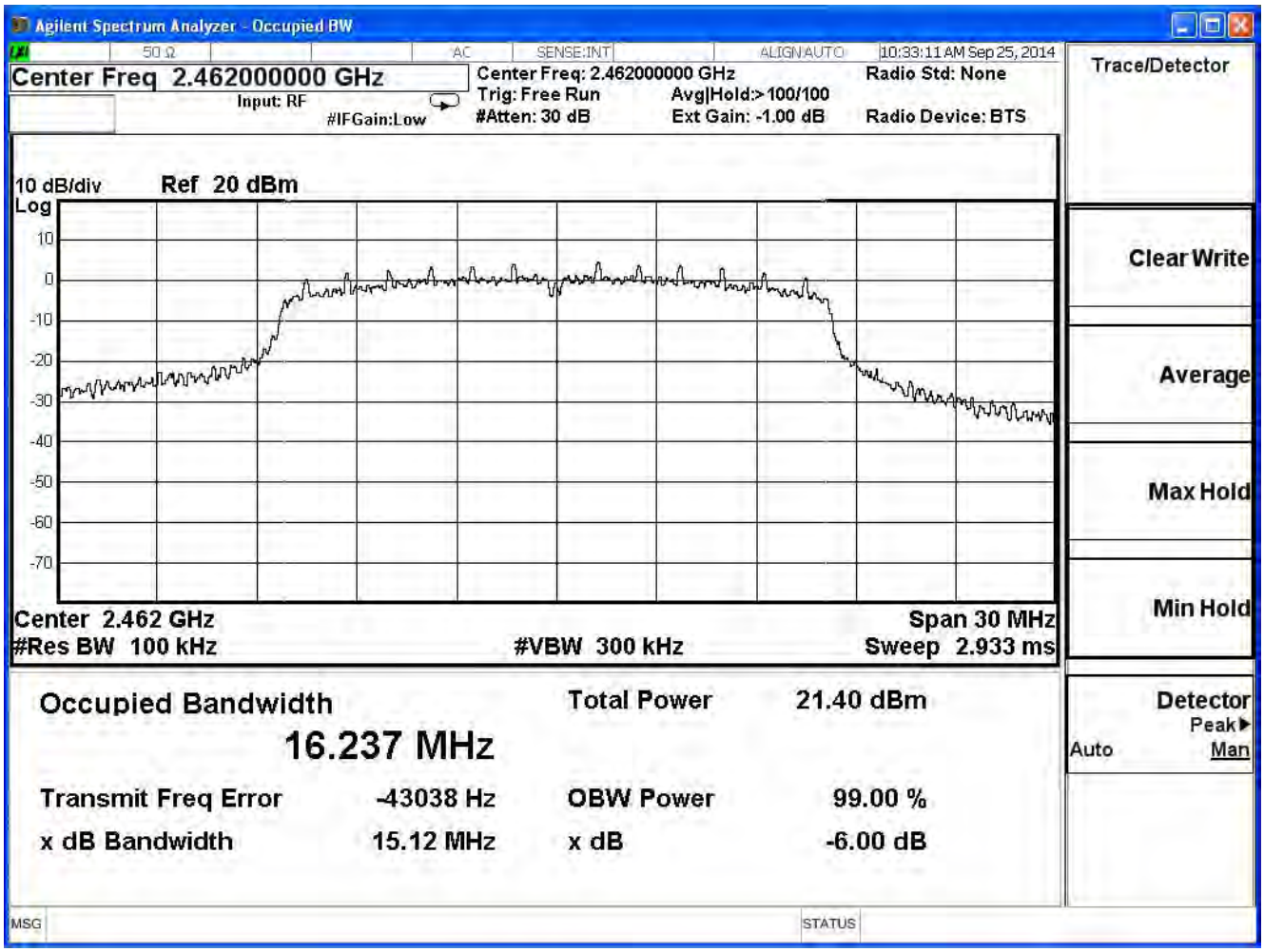
Channel 1 (2412MHz)



Channel 6 (2437MHz)



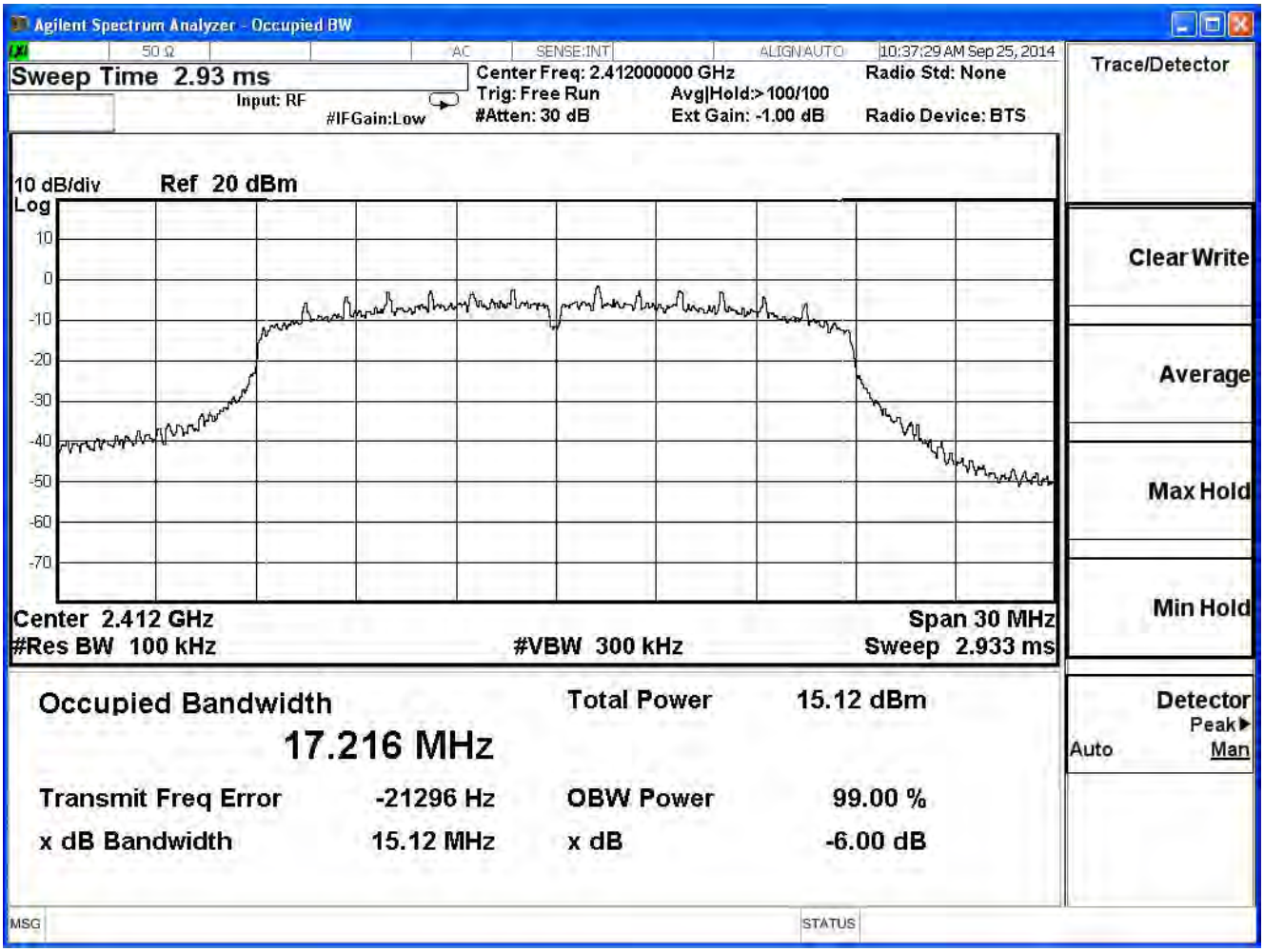
Channel 11 (2462MHz)



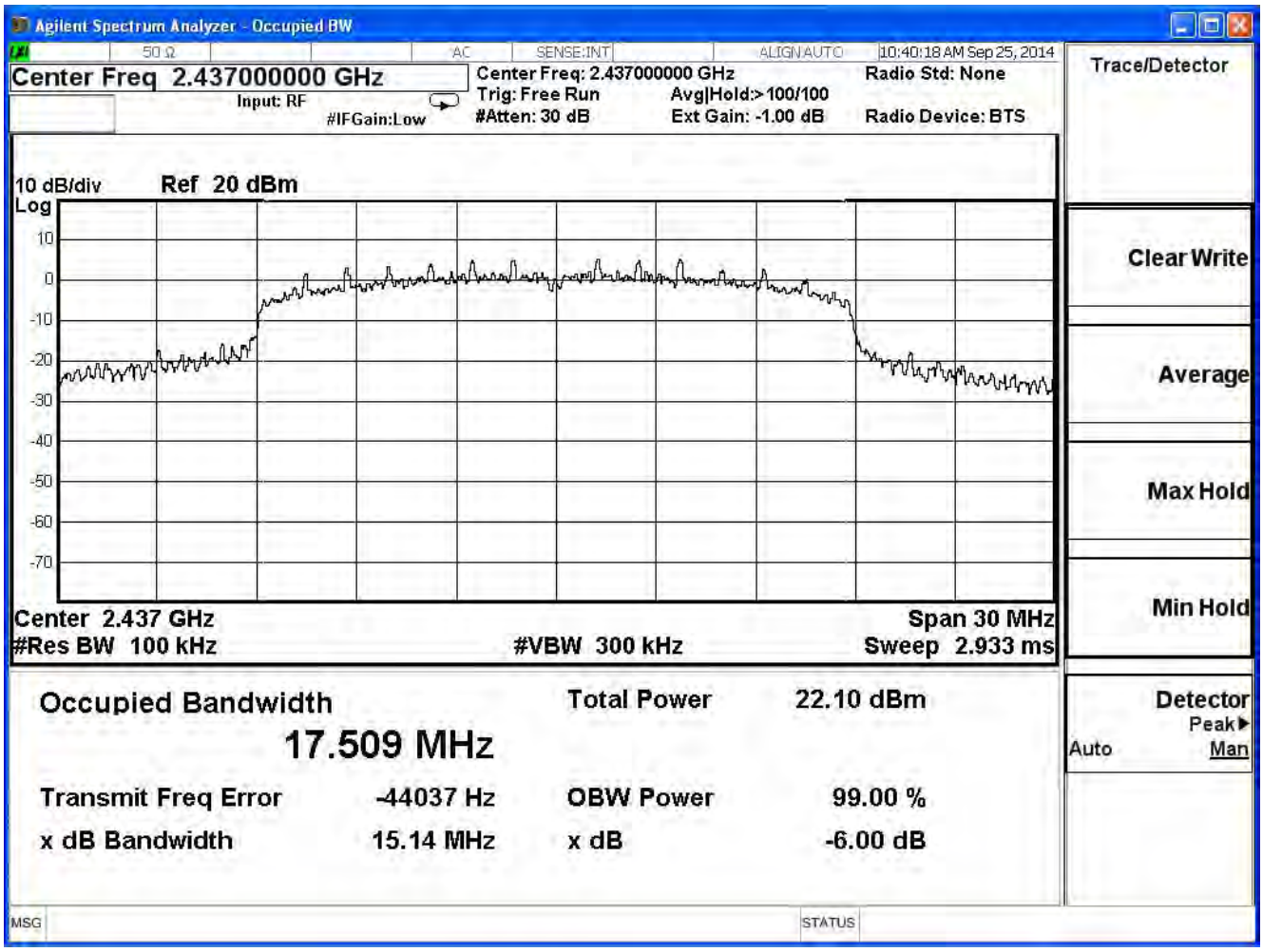
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/05	Test Site	SR7

IEEE 802.11n (20MHz), ANT 0				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	15.12	≧0.5	Pass
6	2437	15.14	≧0.5	Pass
11	2462	15.15	≧0.5	Pass

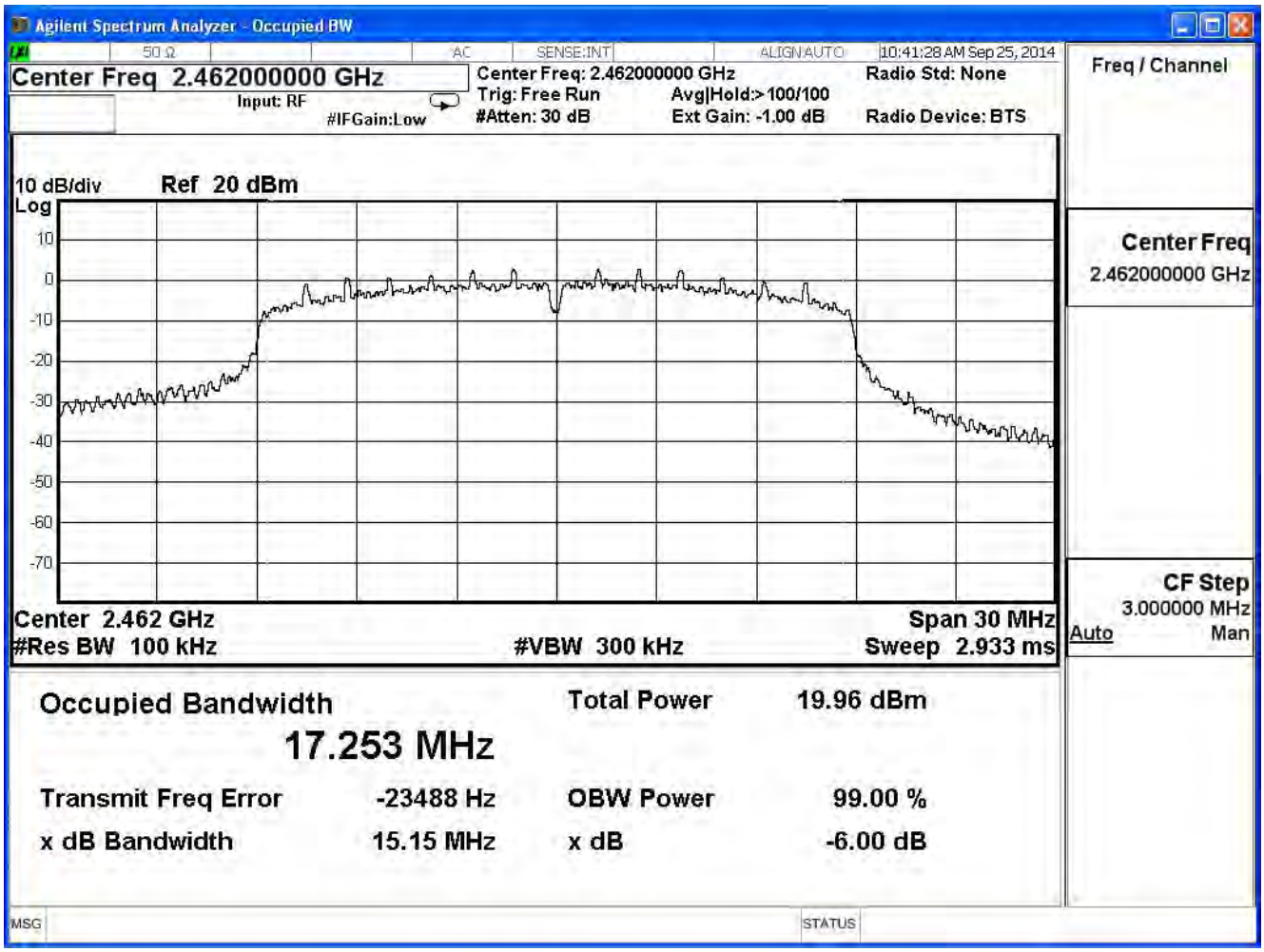
Channel 1 (2412MHz)



Channel 6 (2437MHz)



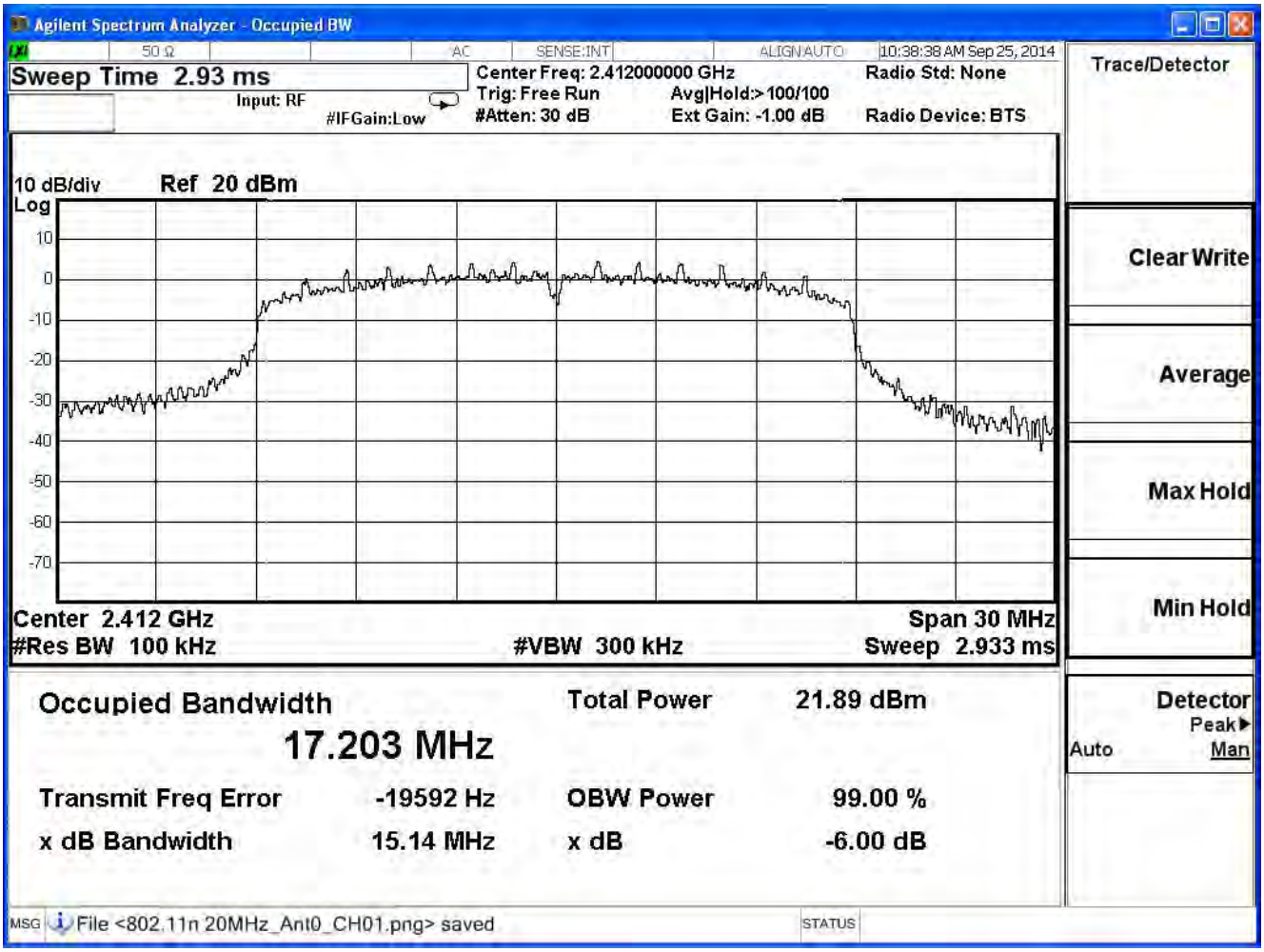
Channel 11 (2462MHz)



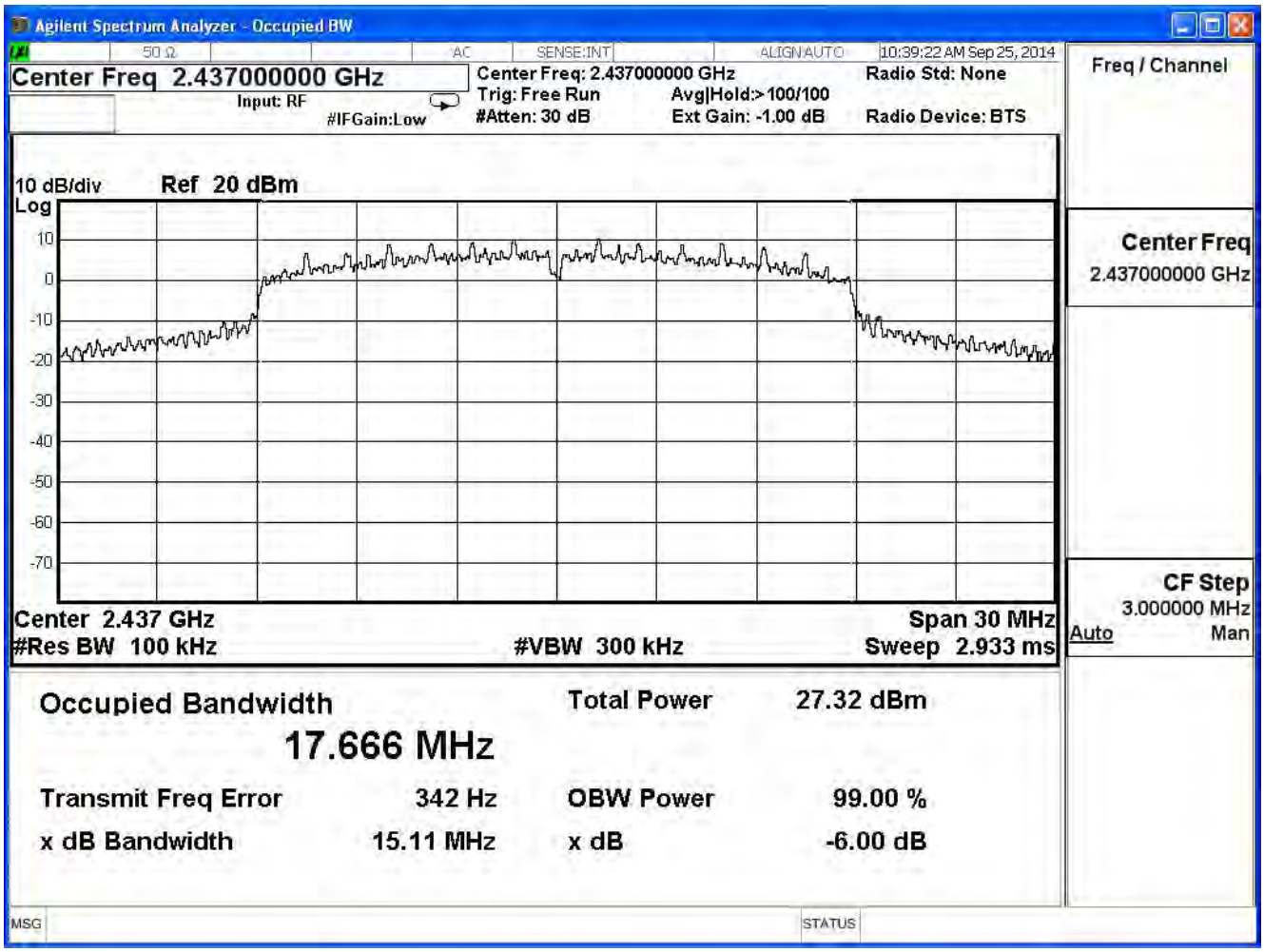
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/05	Test Site	SR7

IEEE 802.11n (20MHz), ANT 1				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	15.14	≧0.5	Pass
6	2437	15.11	≧0.5	Pass
11	2462	15.13	≧0.5	Pass

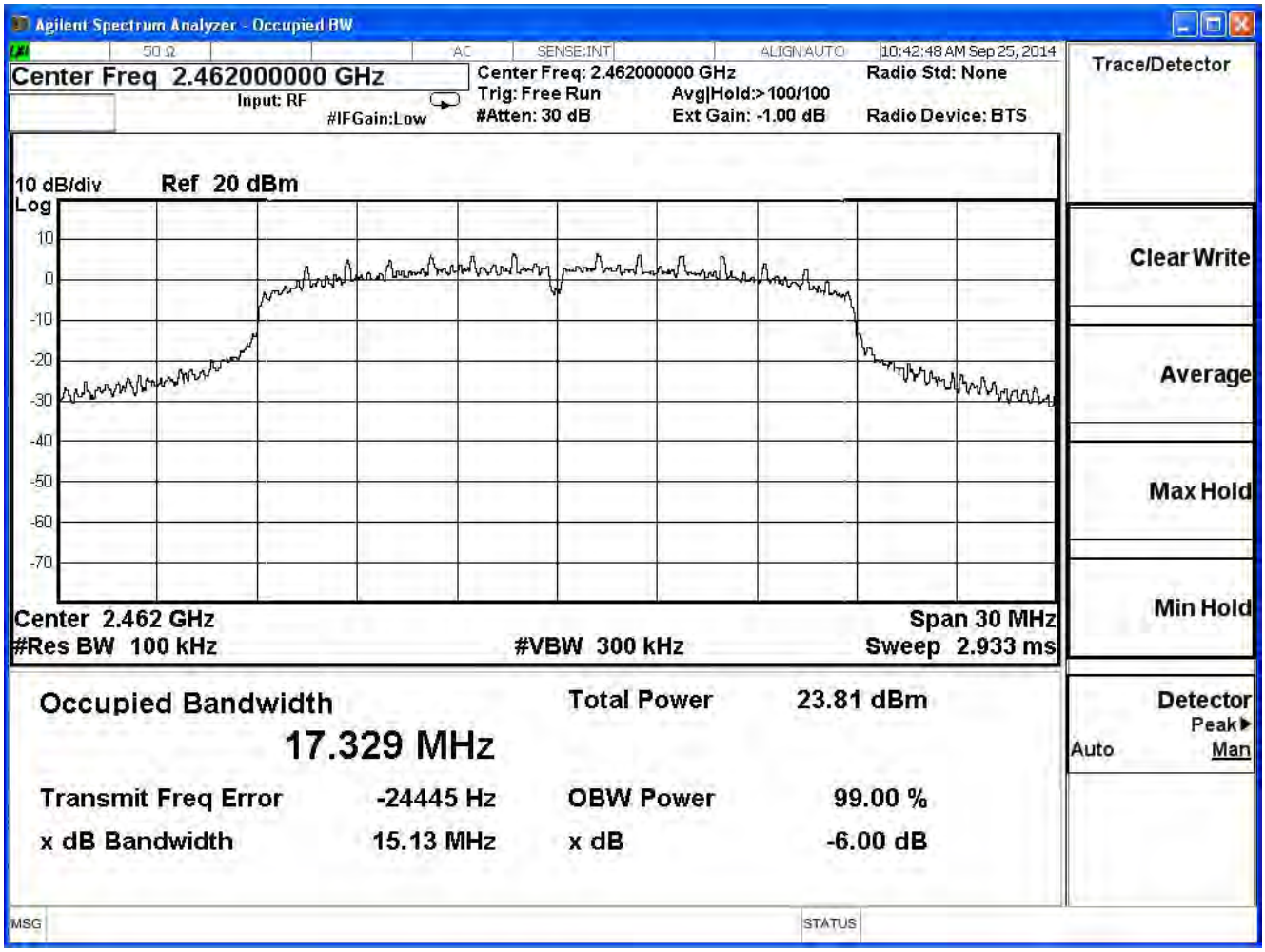
Channel 1 (2412MHz)



Channel 6 (2437MHz)



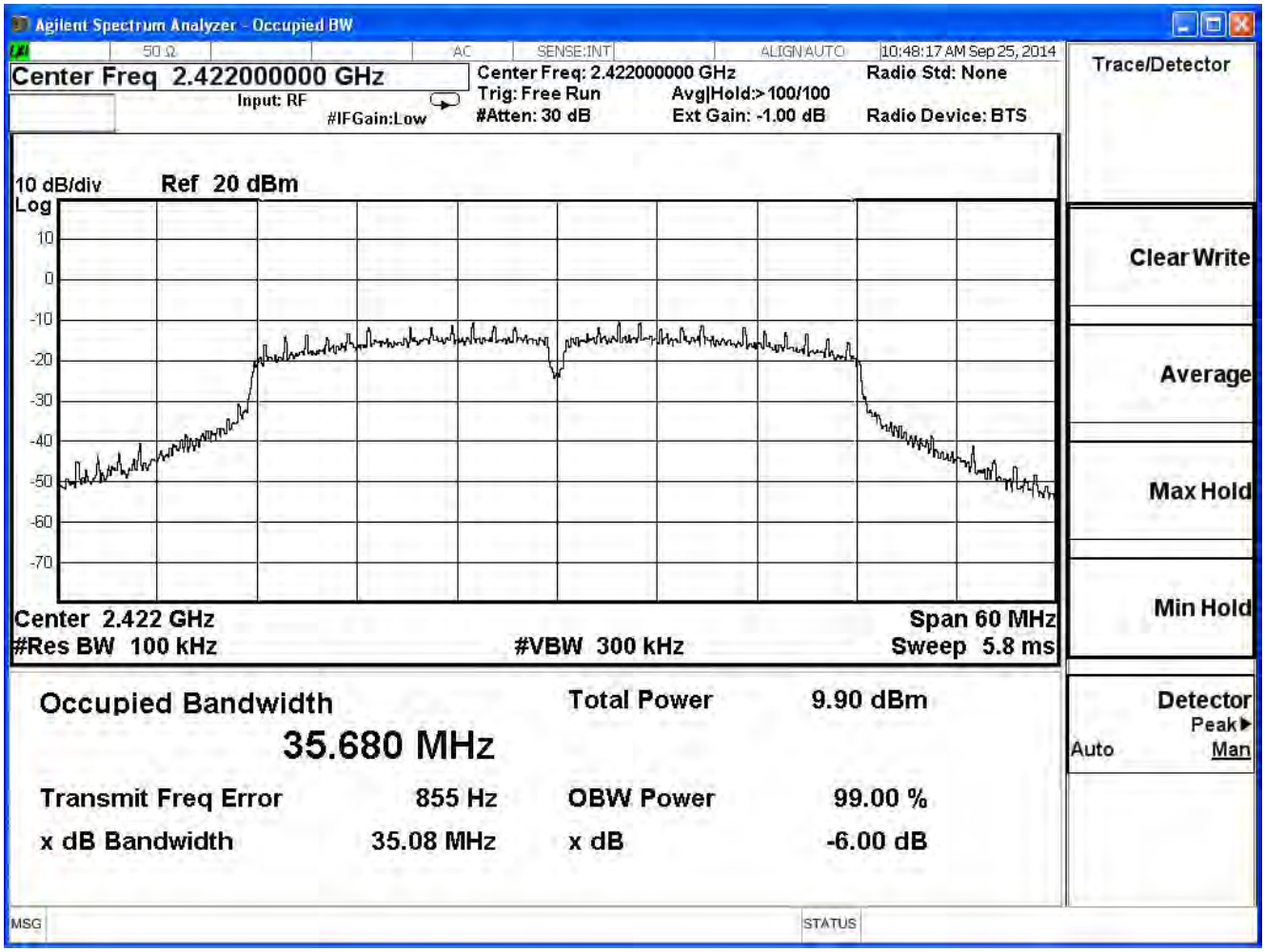
Channel 11 (2462MHz)



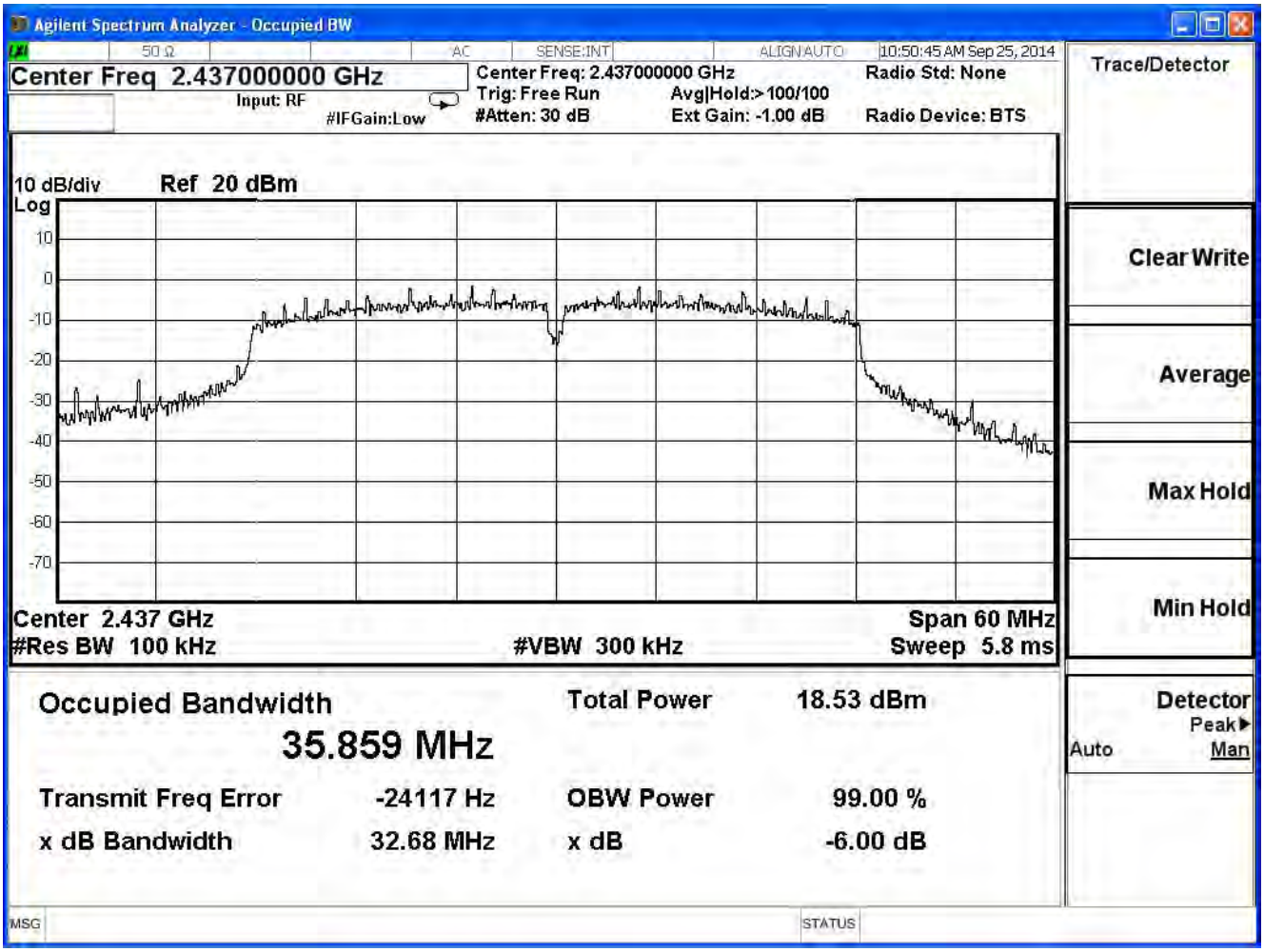
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/05	Test Site	SR7

IEEE 802.11n (40MHz), ANT 0				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	35.08	≧0.5	Pass
6	2437	32.68	≧0.5	Pass
9	2452	33.87	≧0.5	Pass

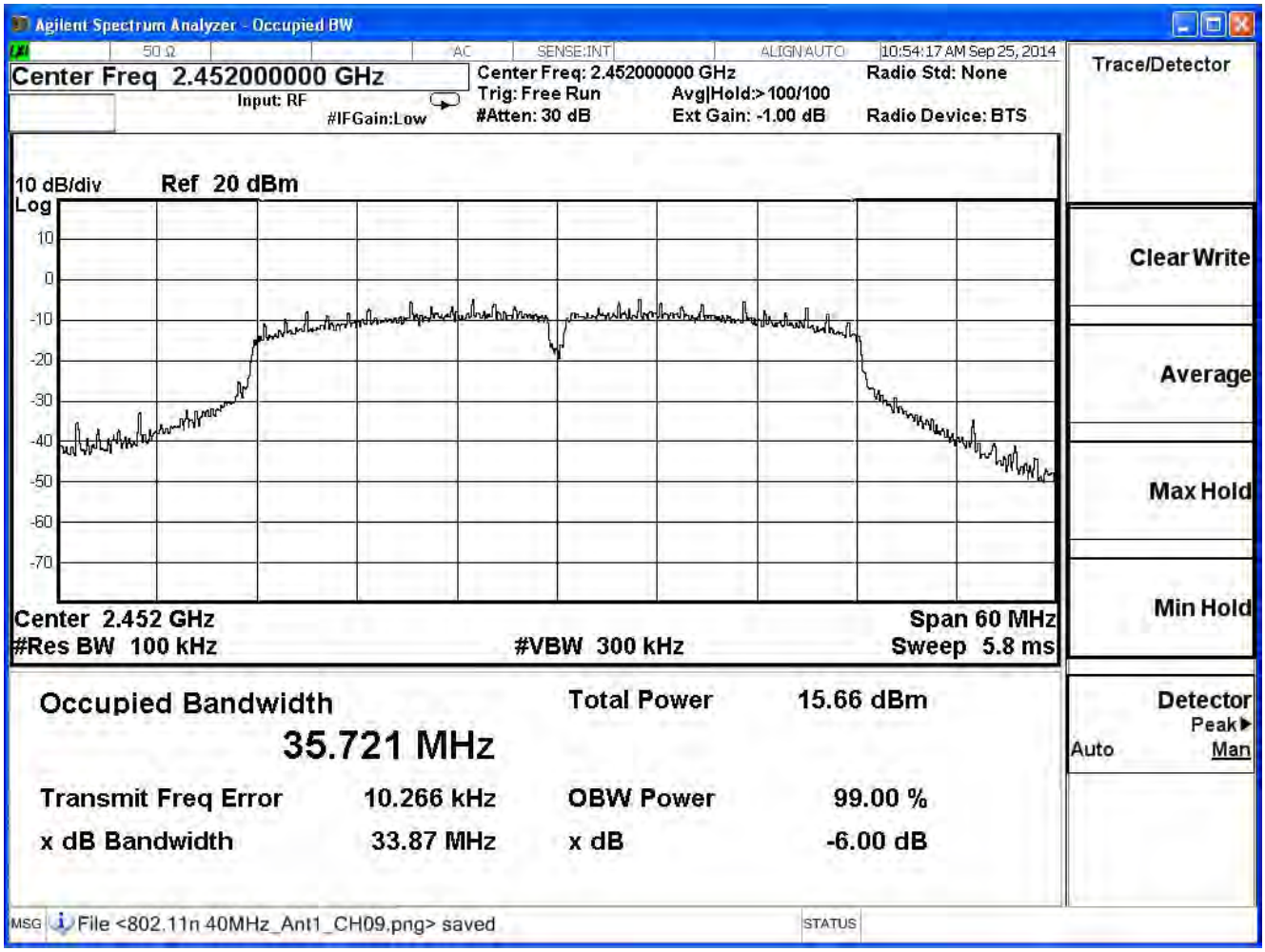
Channel 3 (2422MHz)



Channel 6 (2437MHz)



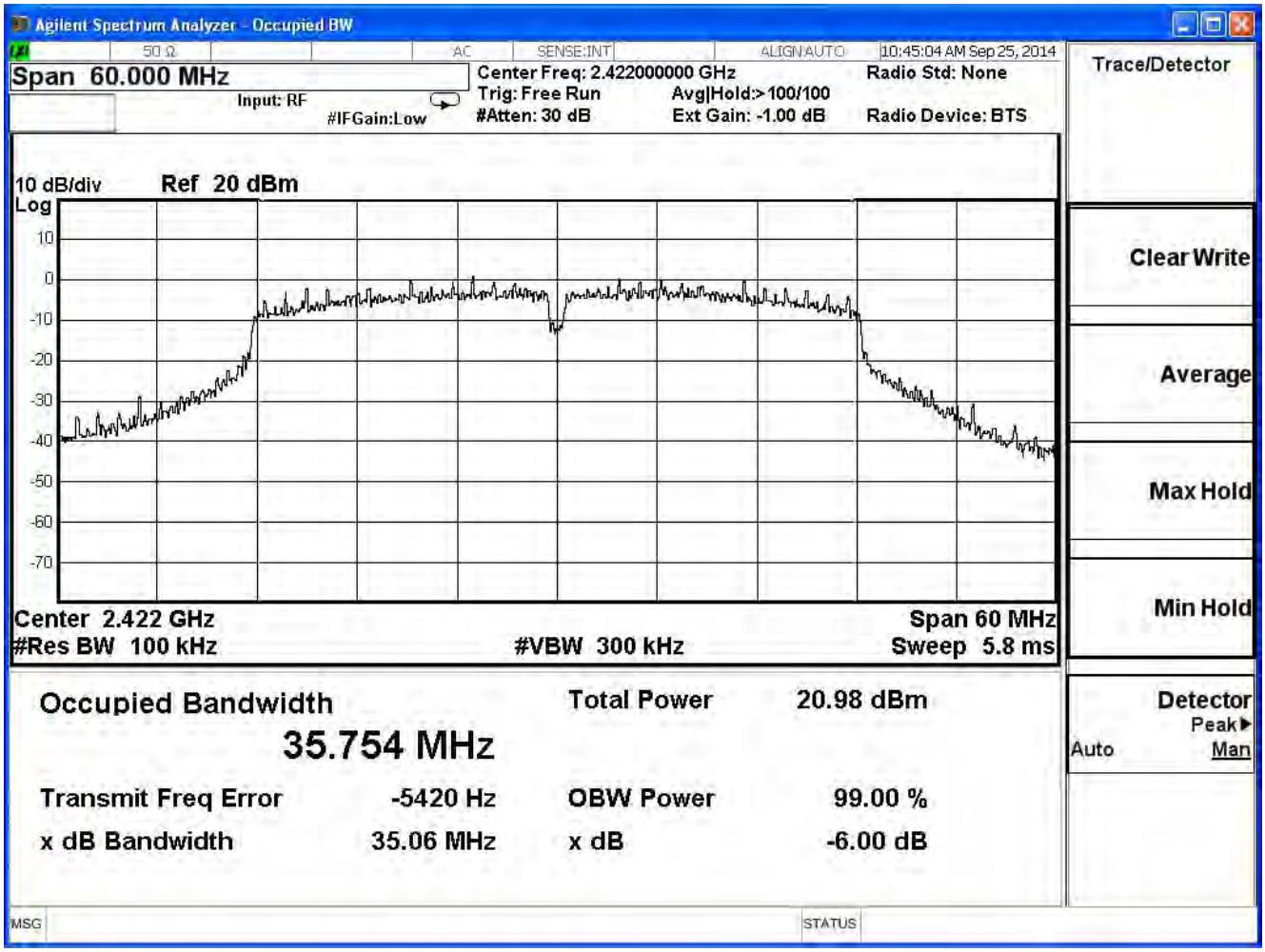
Channel 9 (2452MHz)



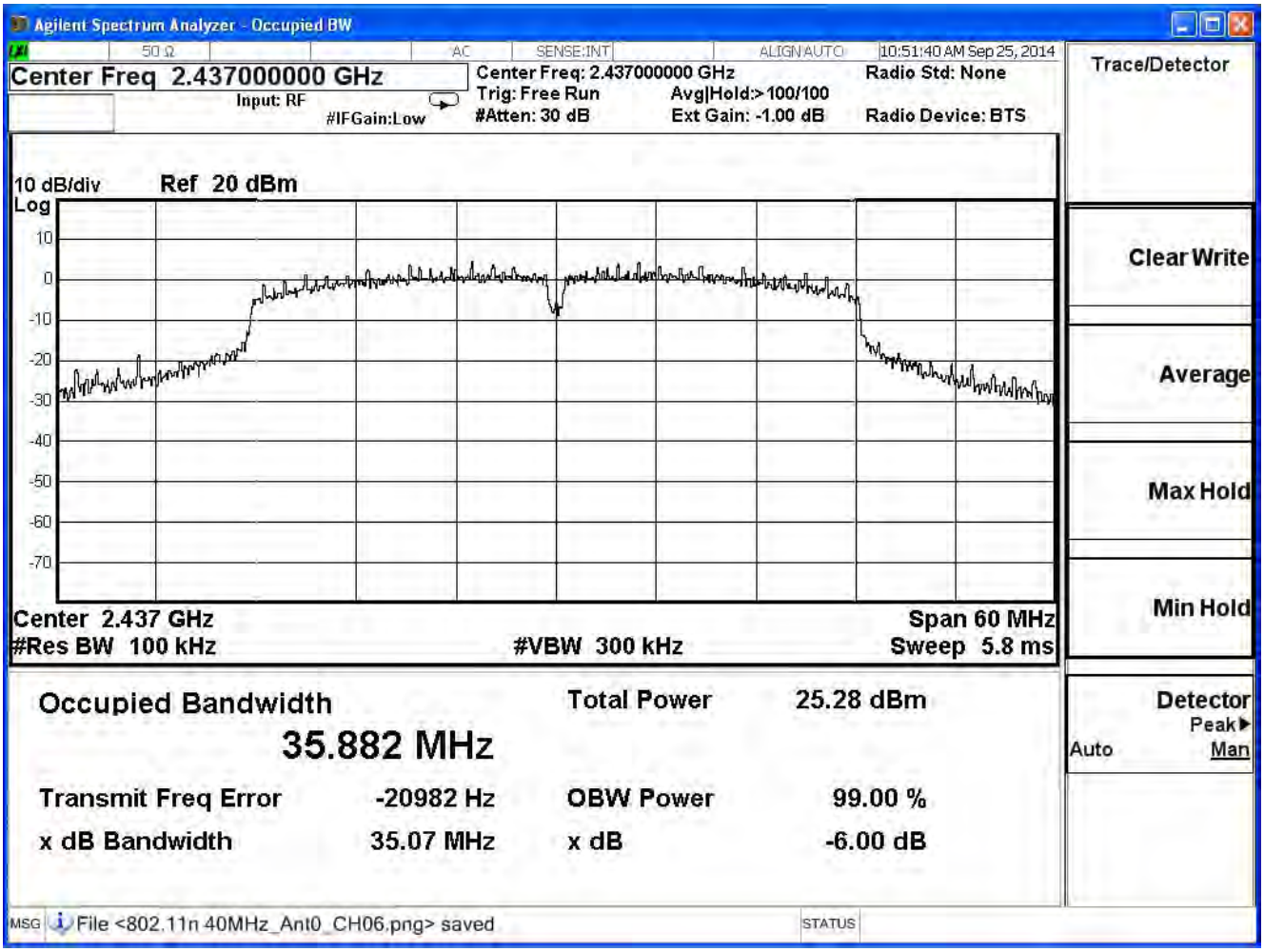
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/05	Test Site	SR7

IEEE 802.11n (40MHz), ANT 1				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	35.06	≧0.5	Pass
6	2437	35.07	≧0.5	Pass
9	2452	32.61	≧0.5	Pass

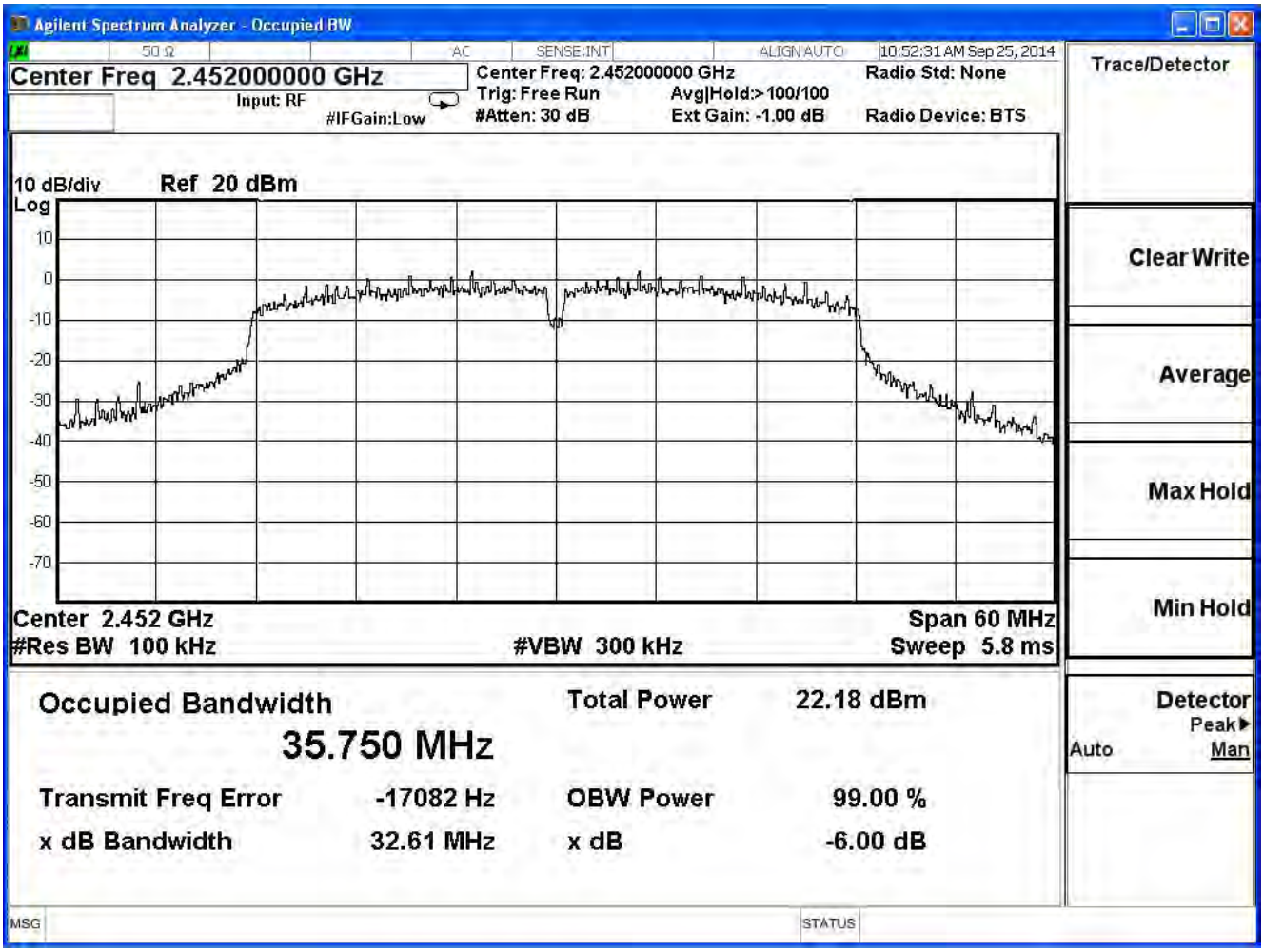
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



8. Power Density

8.1. Test Equipment

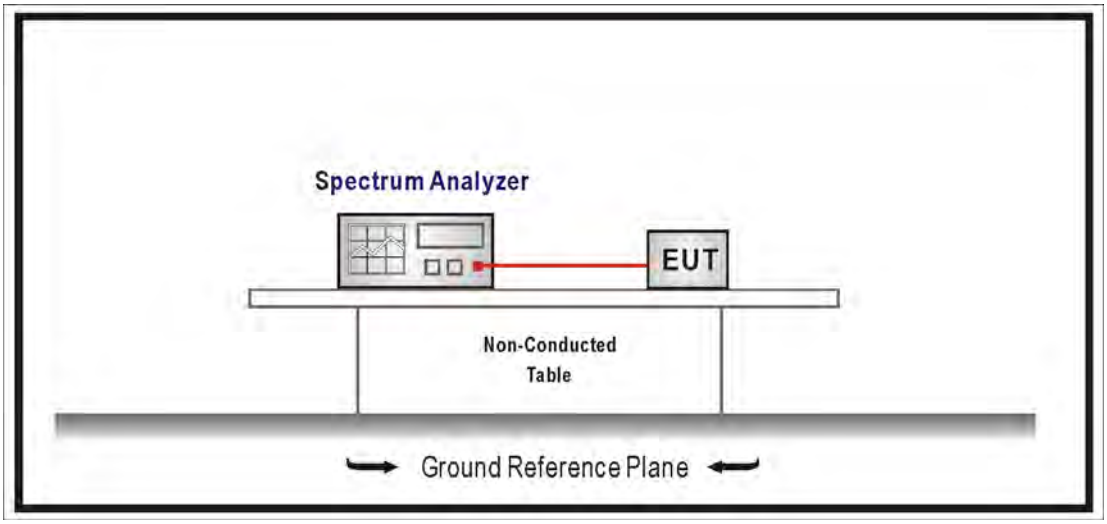
The following test equipment is used during the test:

Power Density / SR7

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

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

8.2. Test Setup



8.3. Limits

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

8.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB558074 v03r02 for compliance to FCC 47CFR 15.247 requirements.
Set 3KHz ≦RBW≦100 kHz, Set VBW≧3xRBW, Sweep time=Auto, Set Peak detector;
The tested according to section E)c) of KDB662911 v02v01.

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2013

8.6. Uncertainty

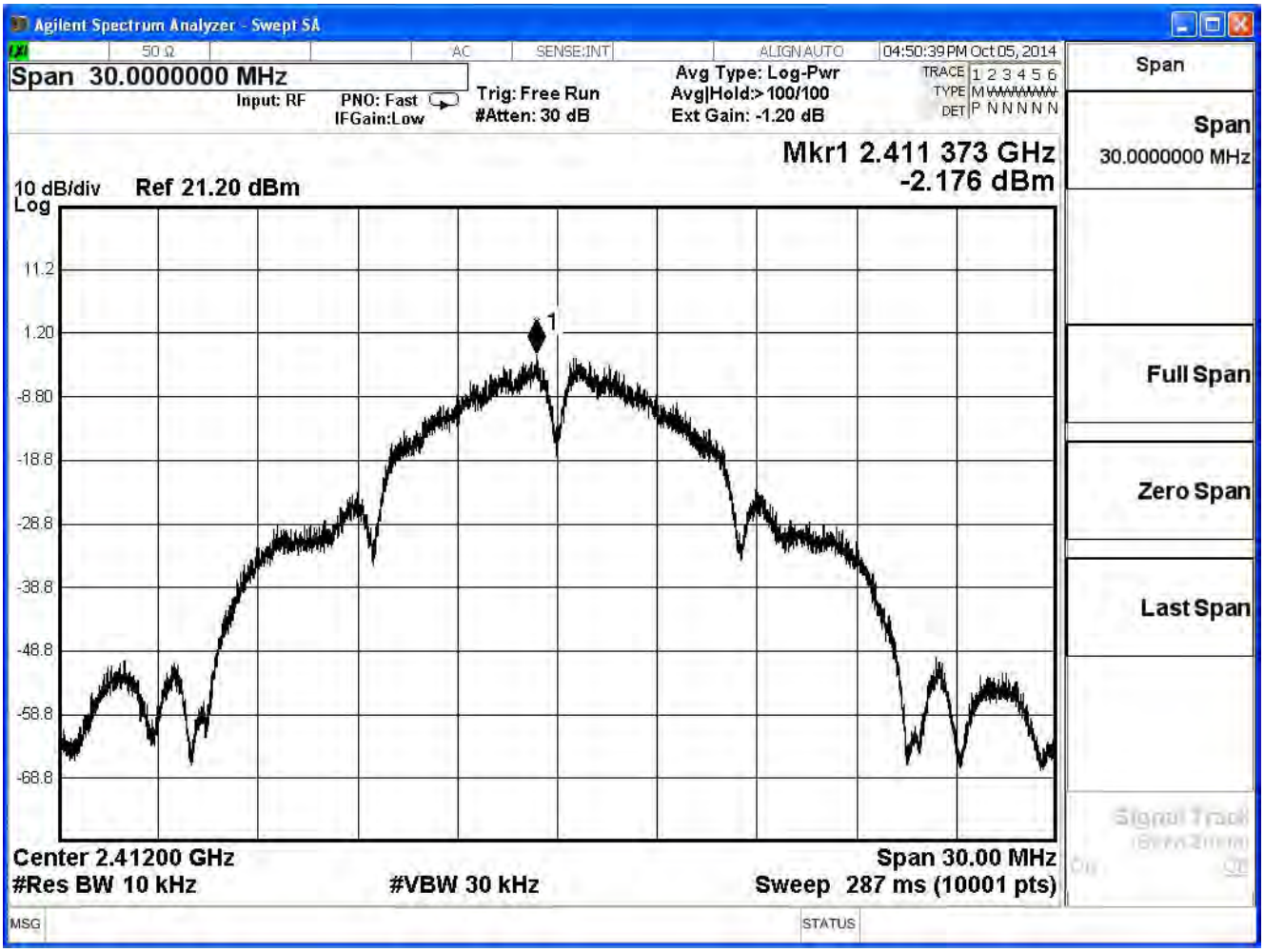
The measurement uncertainty is defined as ±1.27dB.

8.7. Test Result

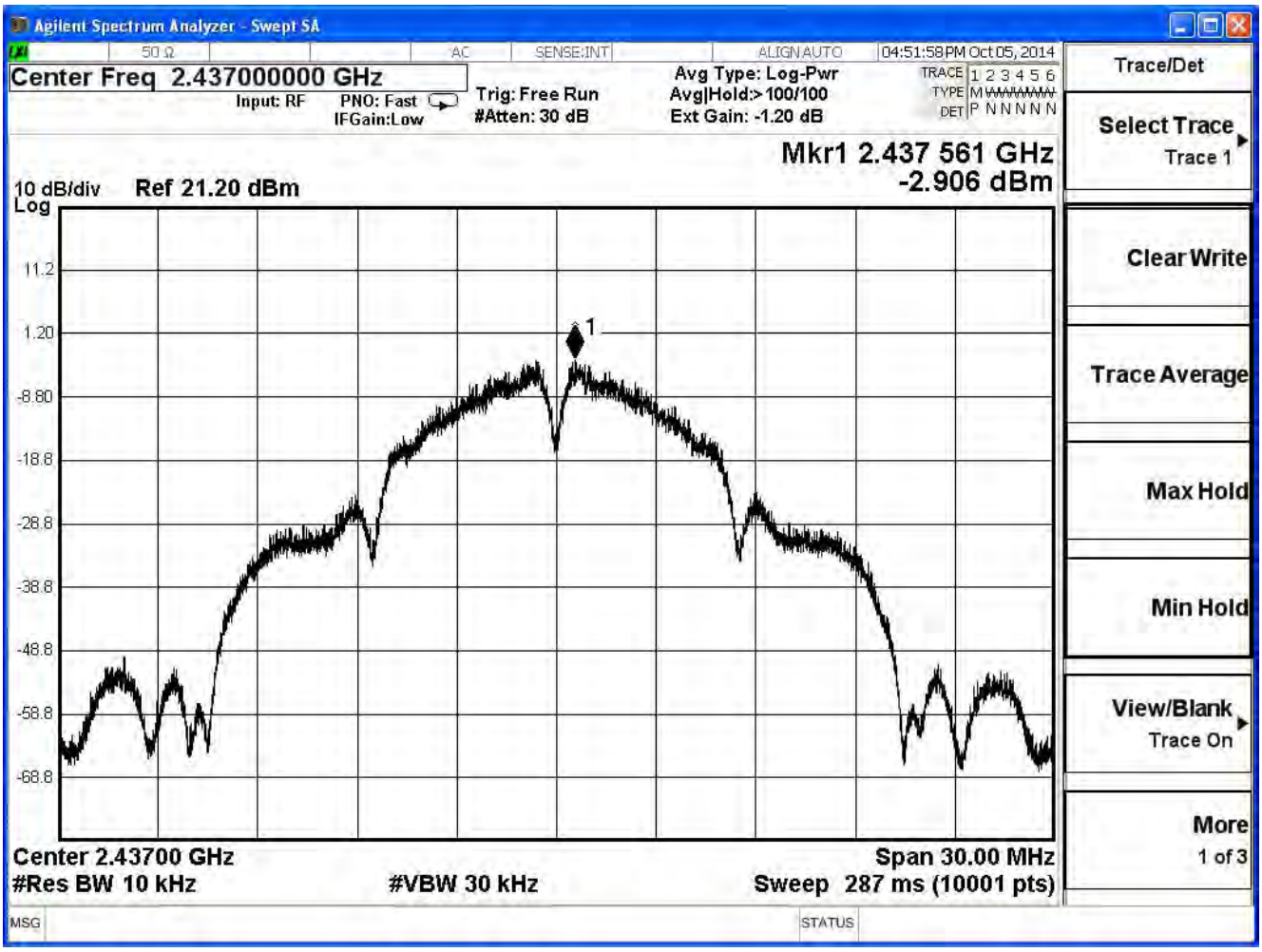
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/06	Test Site	SR7

IEEE 802.11b, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-2.176	≦8	Pass
6	2437	-2.906	≦8	Pass
11	2462	-2.157	≦8	Pass

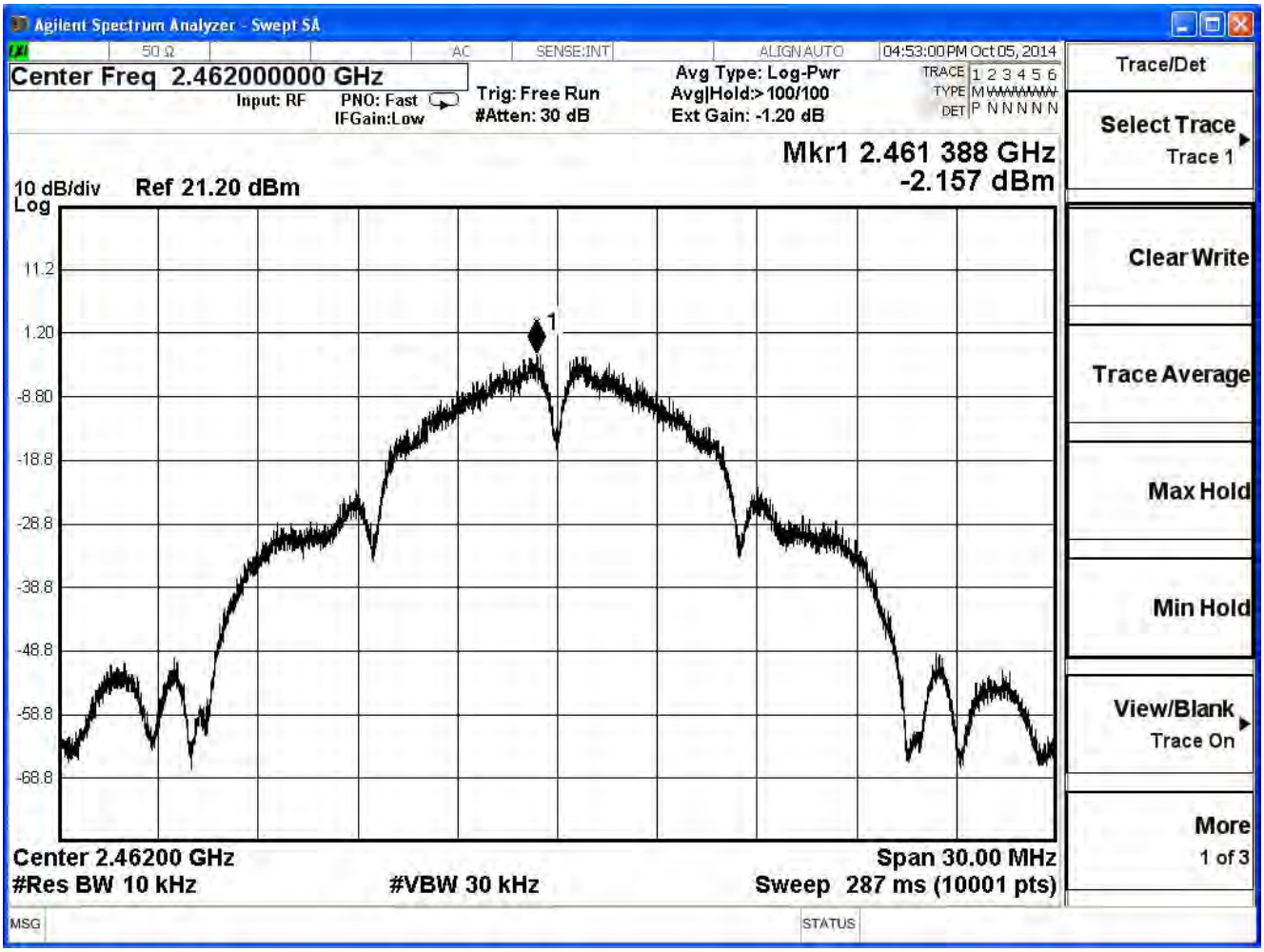
Channel 1 (2412MHz)



Channel 6 (2437MHz)



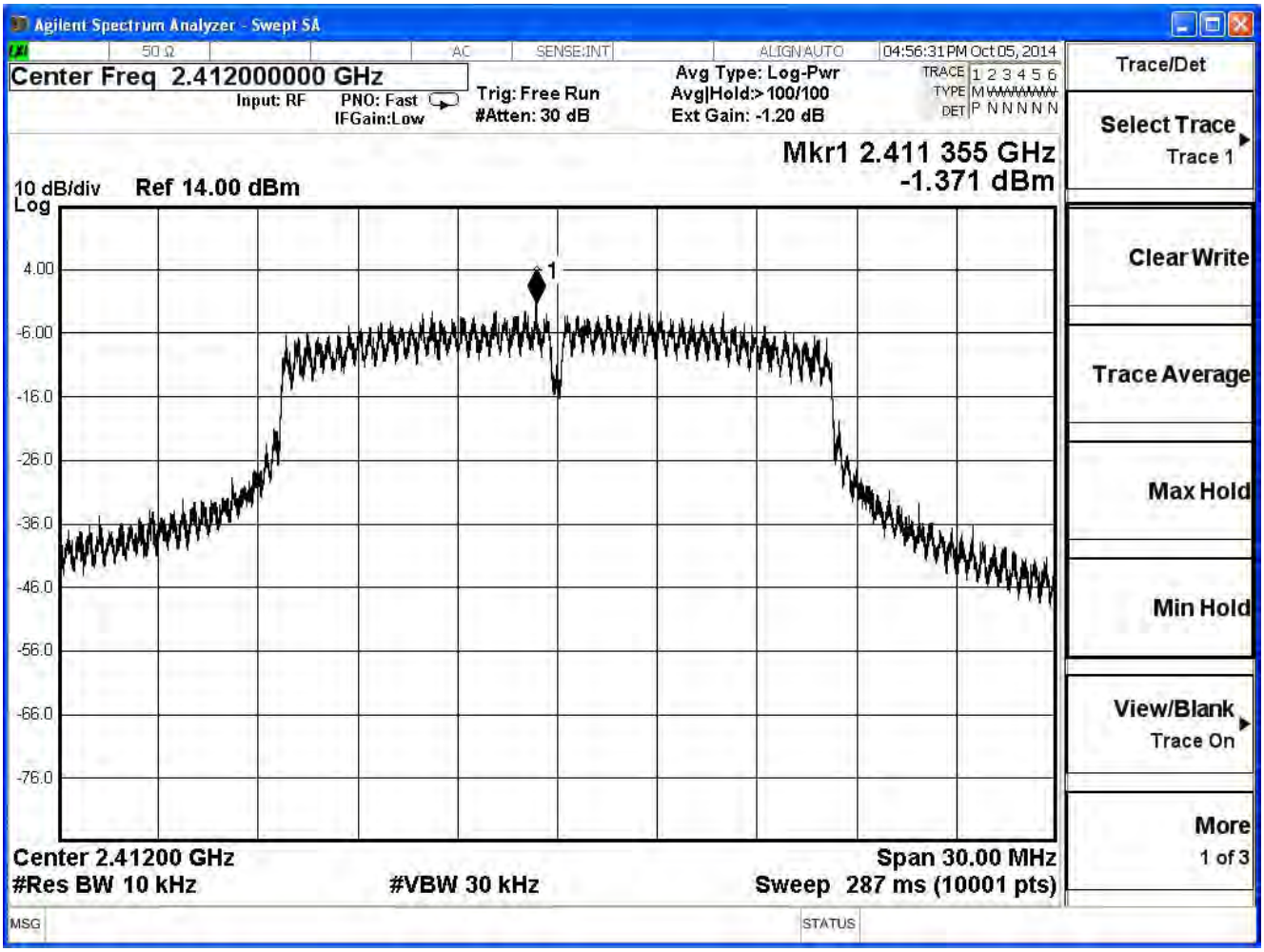
Channel 11 (2462MHz)



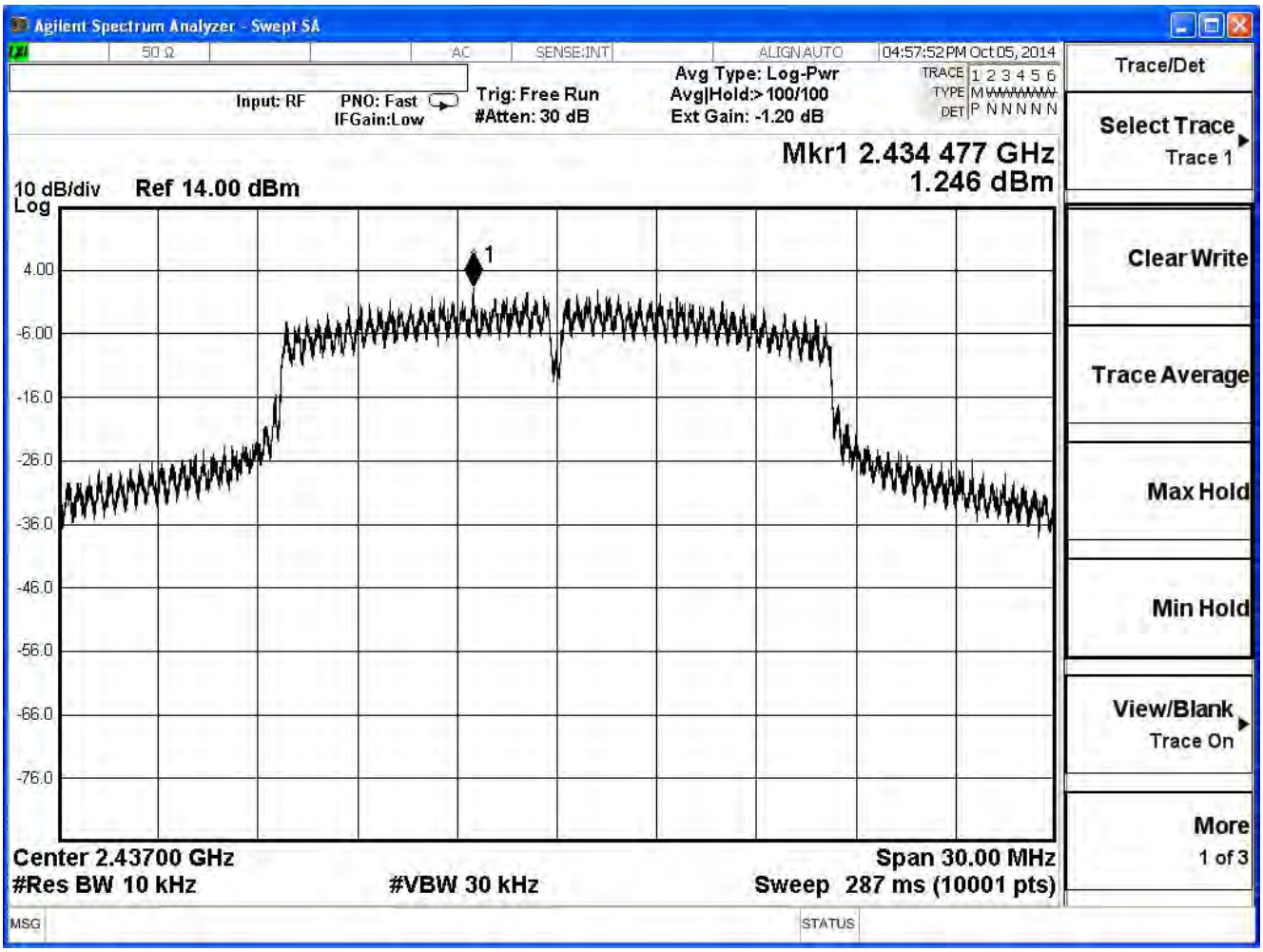
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/06	Test Site	SR7

IEEE 802.11g, ANT 0				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
1	2412	-1.371	≦8	Pass
6	2437	1.246	≦8	Pass
11	2462	0.230	≦8	Pass

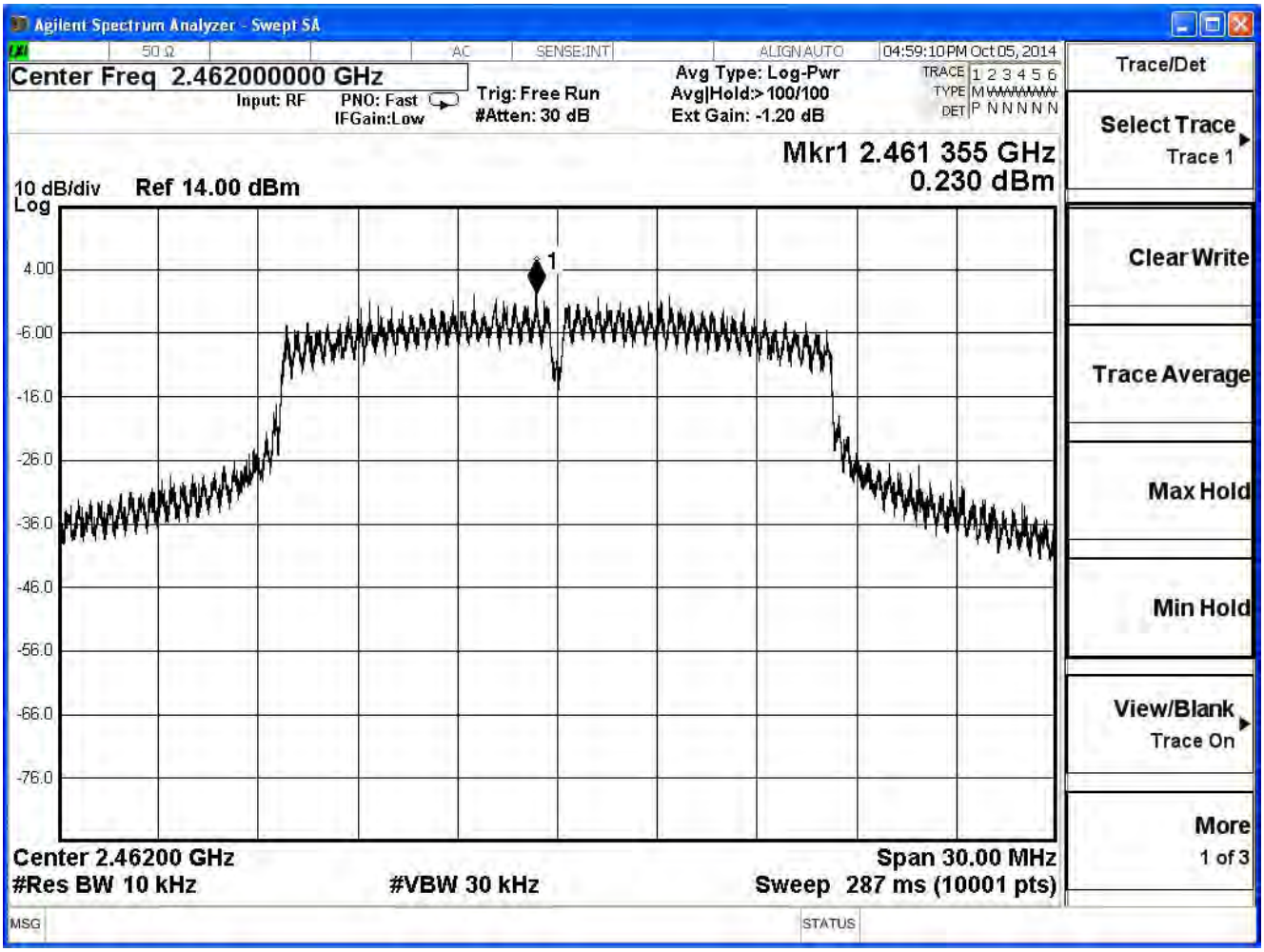
Channel 1 (2412MHz)



Channel 6 (2437MHz)



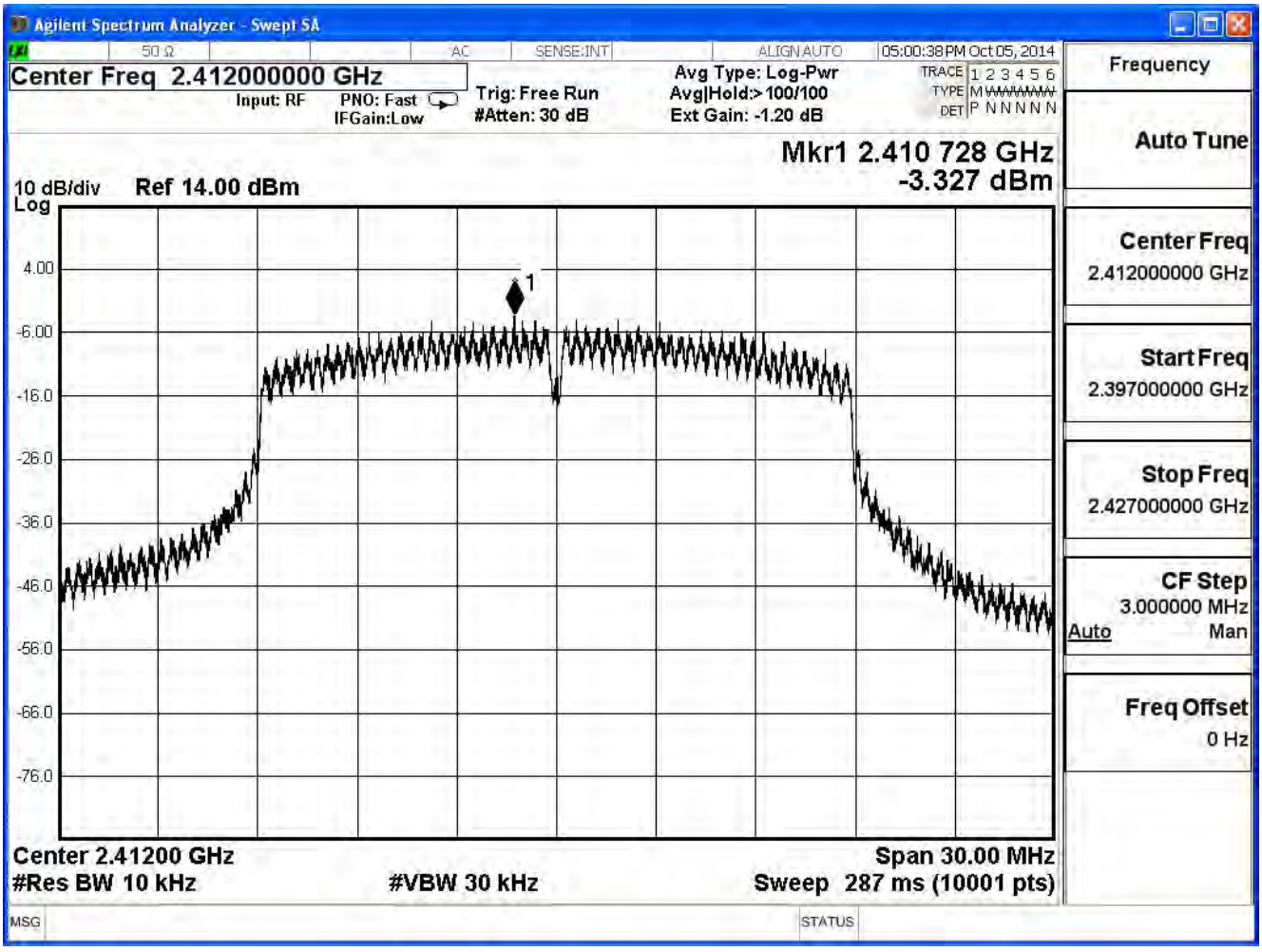
Channel 11 (2462MHz)



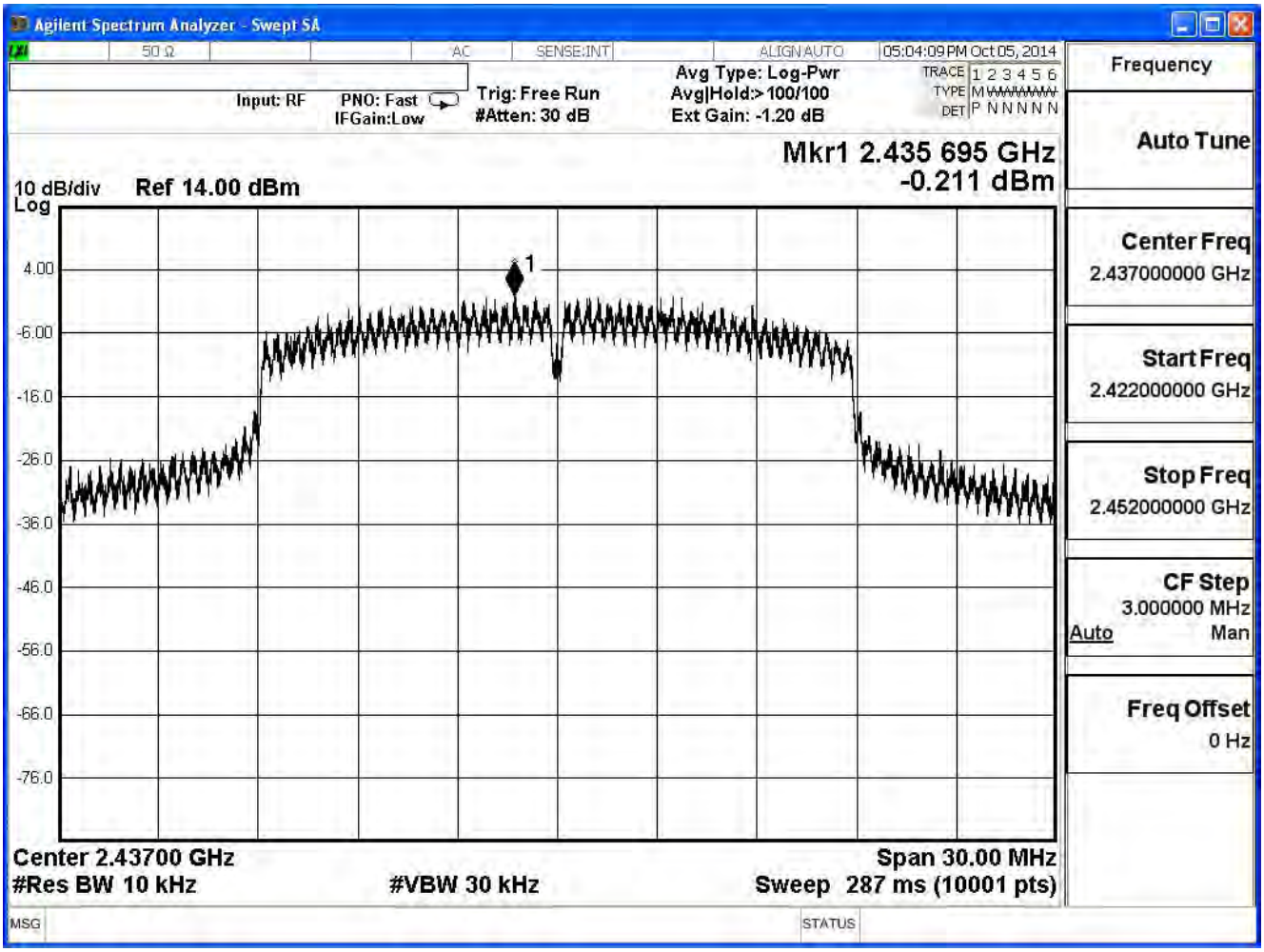
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/06	Test Site	SR7

IEEE 802.11n (20MHz), ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-3.327	≦8	Pass
6	2437	-0.211	≦8	Pass
11	2462	-2.695	≦8	Pass

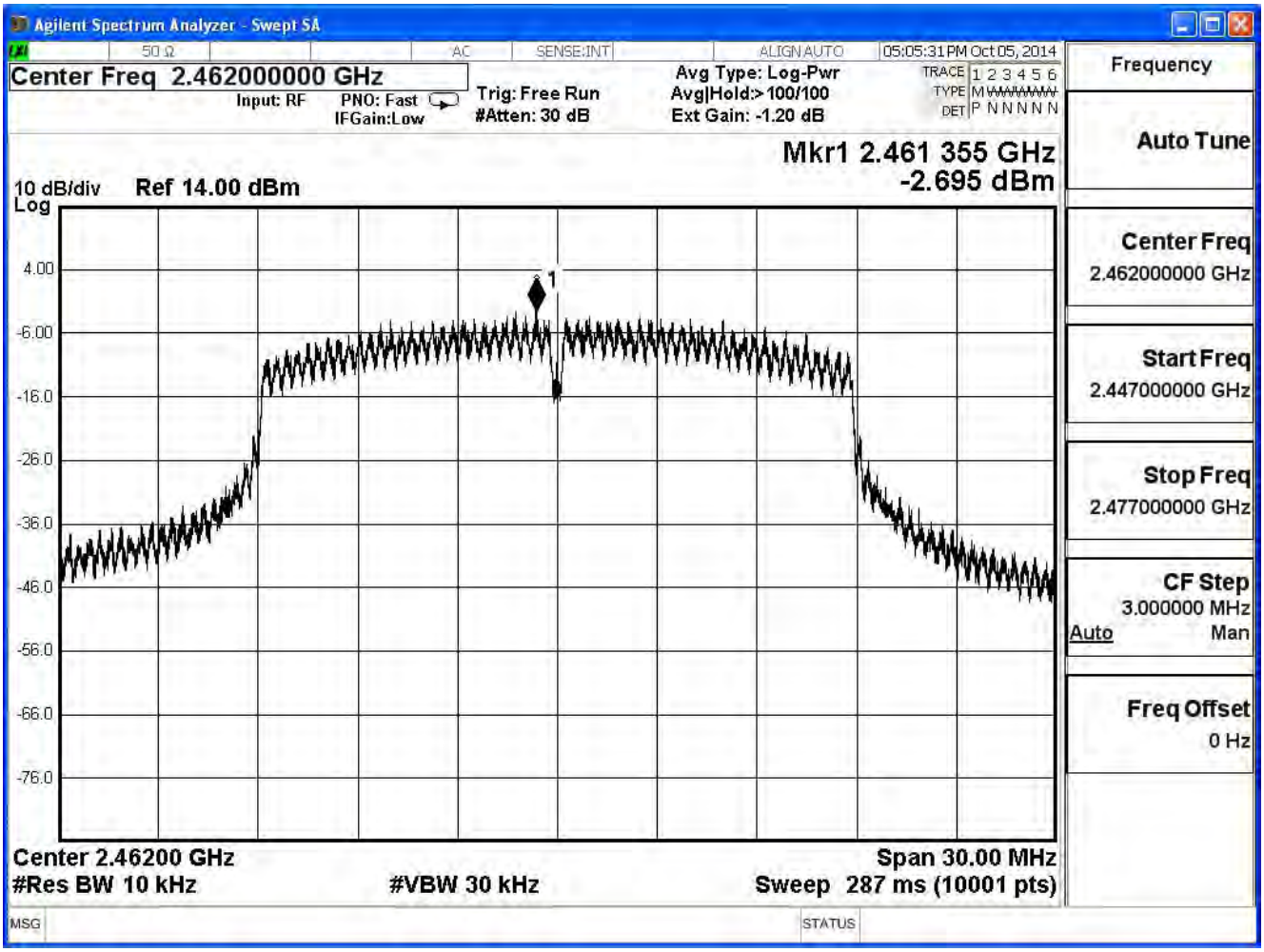
Channel 1 (2412MHz)



Channel 6 (2437MHz)



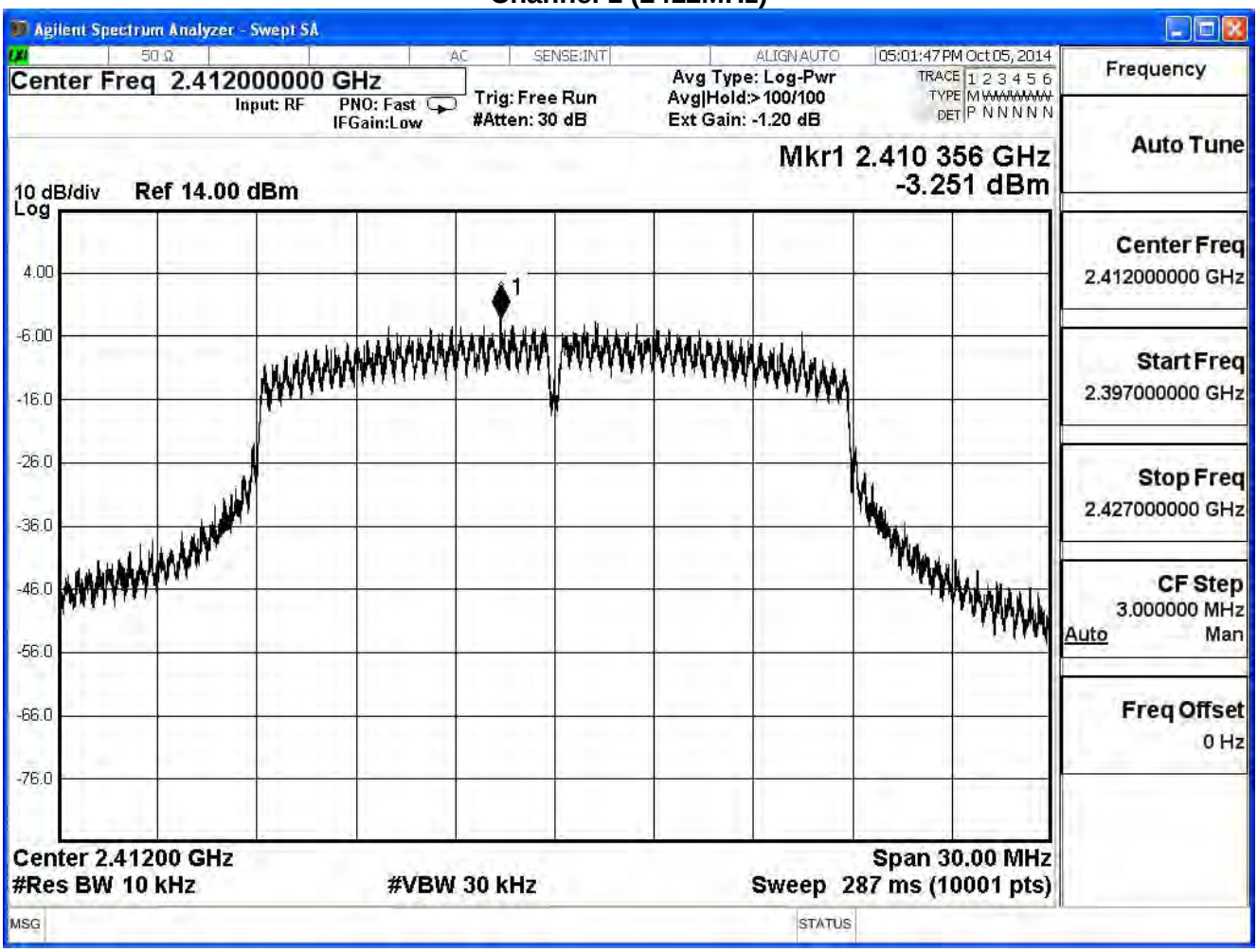
Channel 11 (2462MHz)



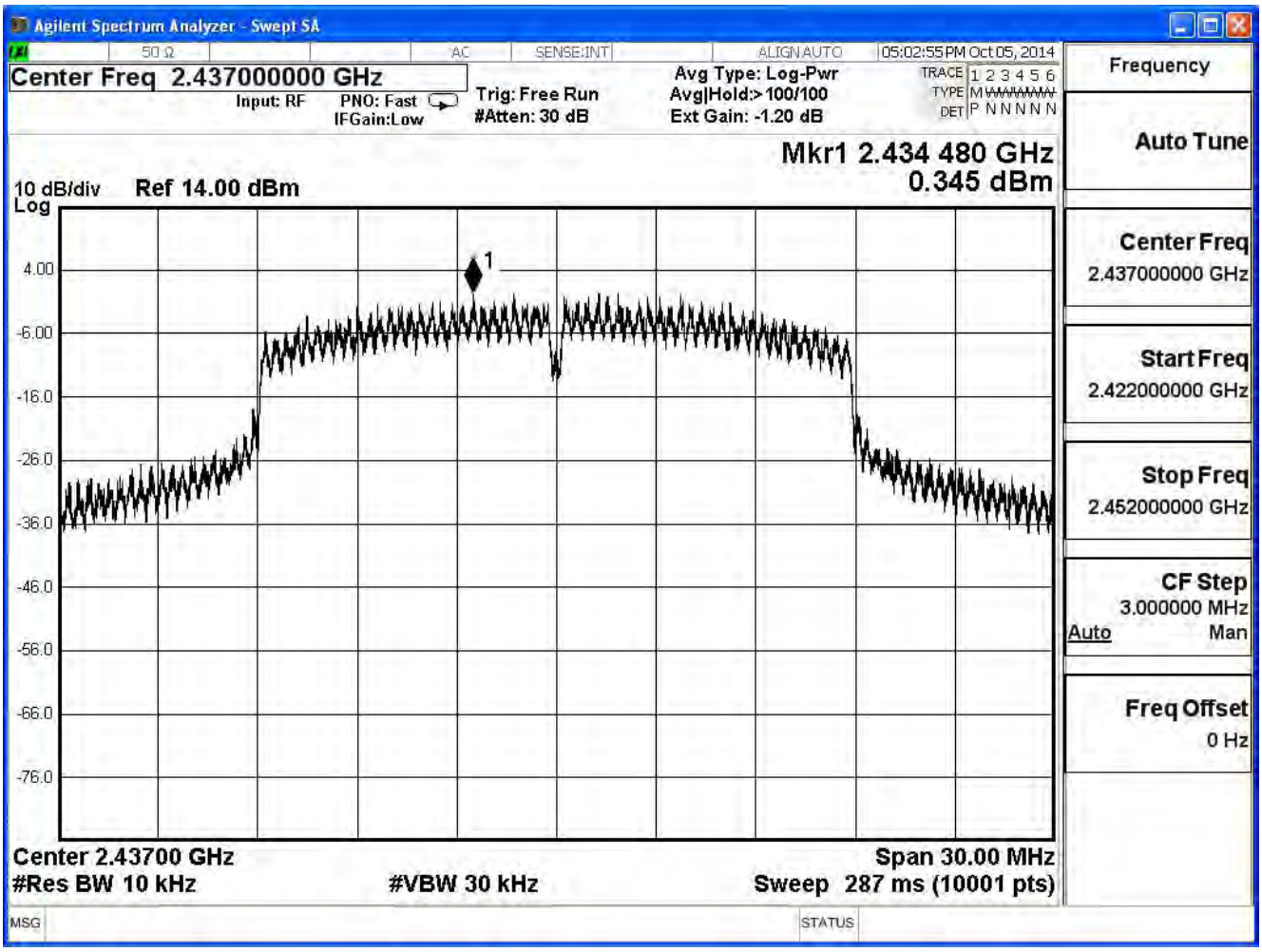
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/06	Test Site	SR7

IEEE 802.11n (20MHz), ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-3.251	≦8	Pass
6	2437	0.345	≦8	Pass
11	2462	-4.072	≦8	Pass

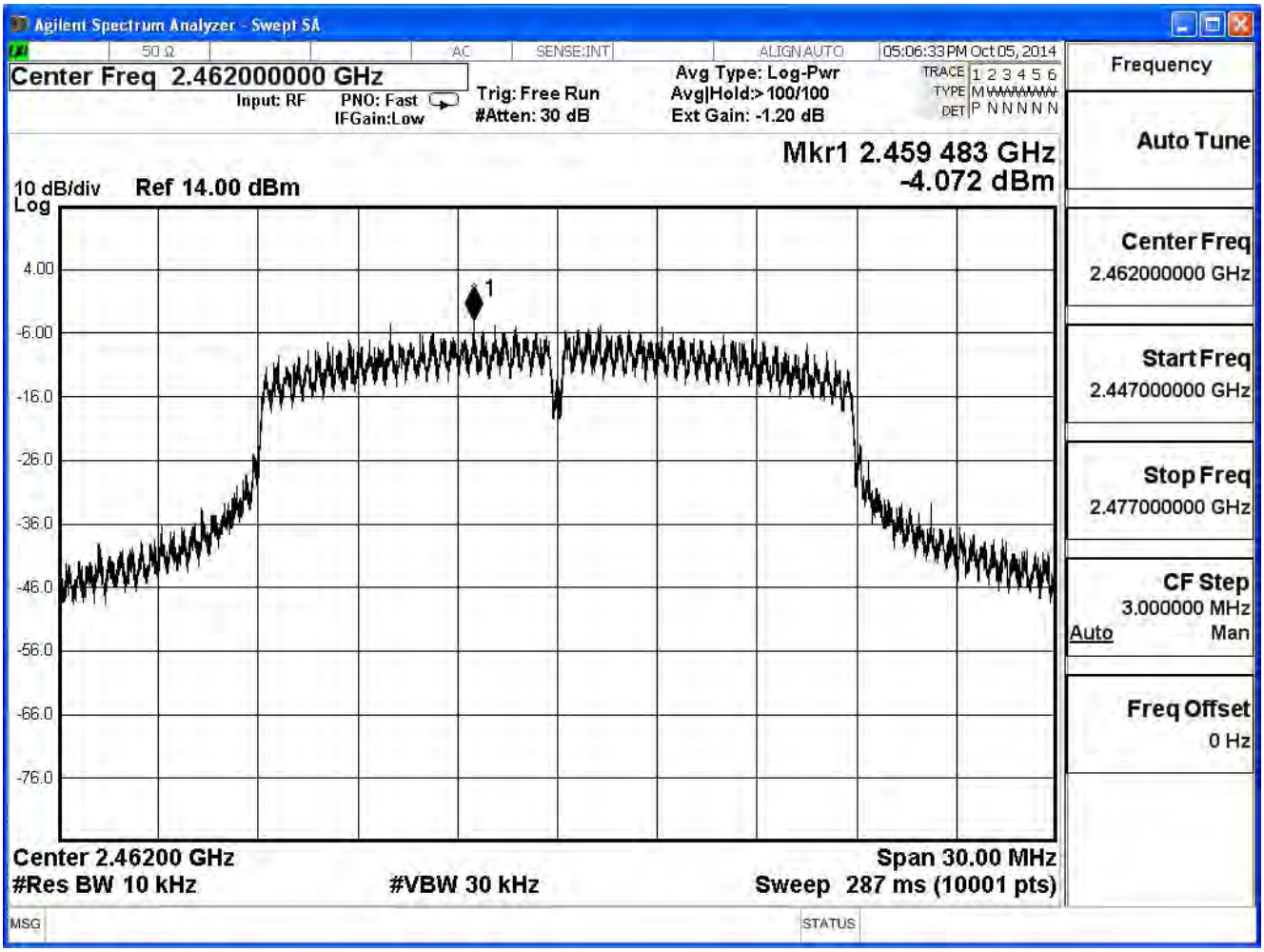
Channel 1 (2412MHz)



Channel 6 (2437MHz)



Channel 11 (2462MHz)



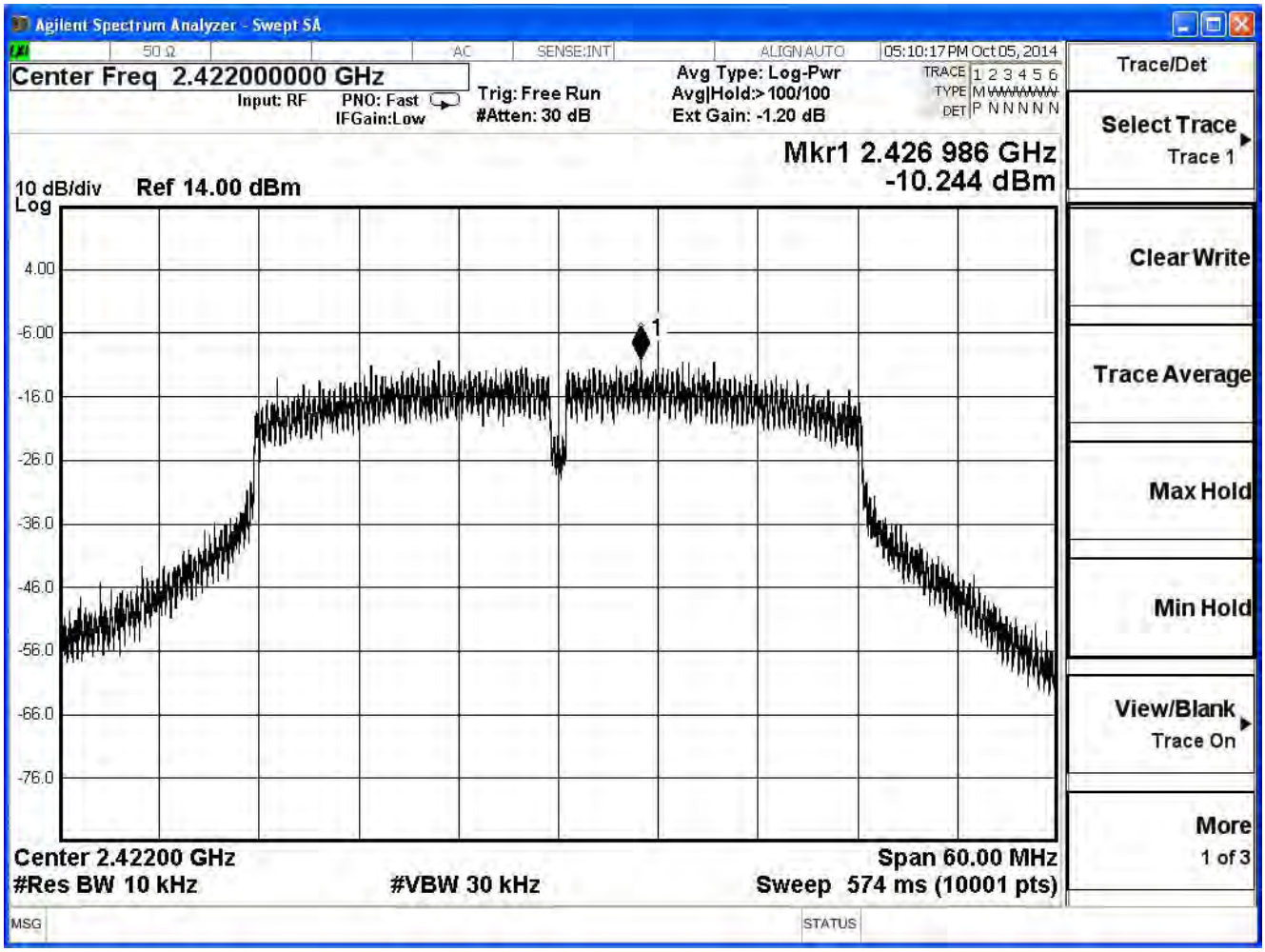
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/06	Test Site	SR7

IEEE 802.11n (20MHz), (Worse Condition+10log(Ant N))=Ant1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-0.241	≦8	Pass
6	2437	3.355	≦8	Pass
11	2462	-1.062	≦8	Pass

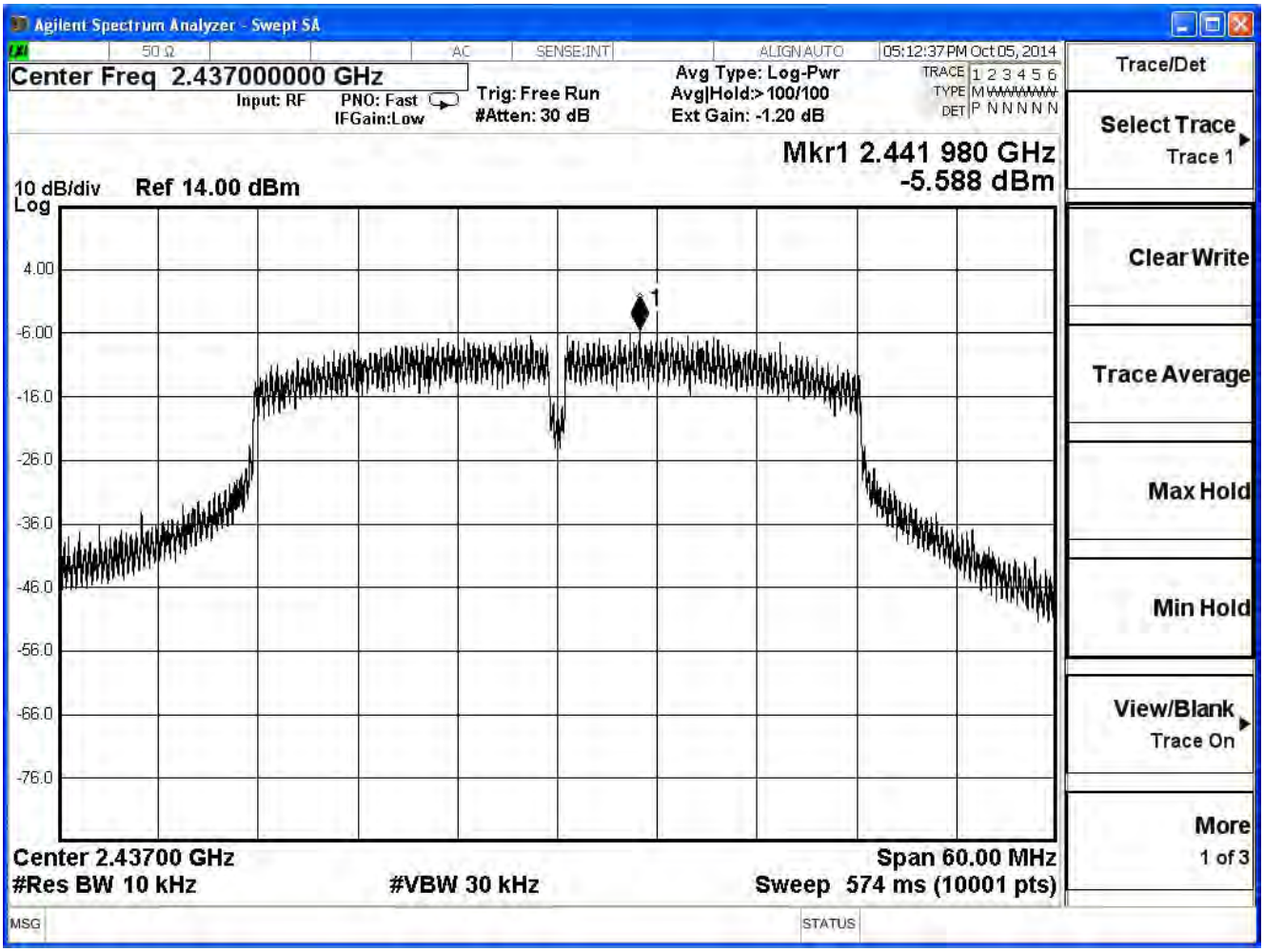
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/06	Test Site	SR7

IEEE 802.11n (40MHz), ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-10.244	≦8	Pass
6	2437	-5.588	≦8	Pass
9	2452	-6.718	≦8	Pass

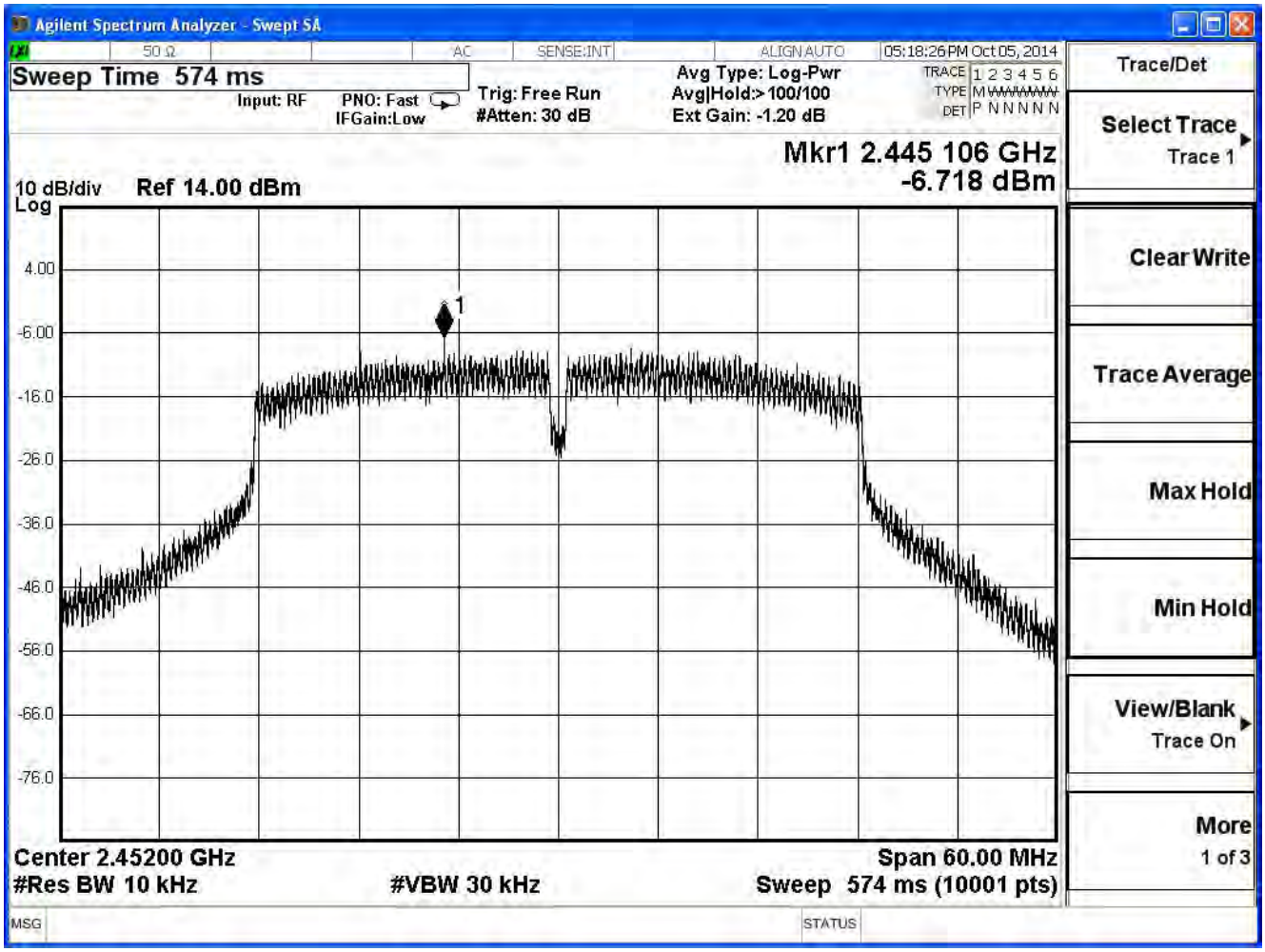
Channel 3 (2422MHz)



Channel 6 (2437MHz)



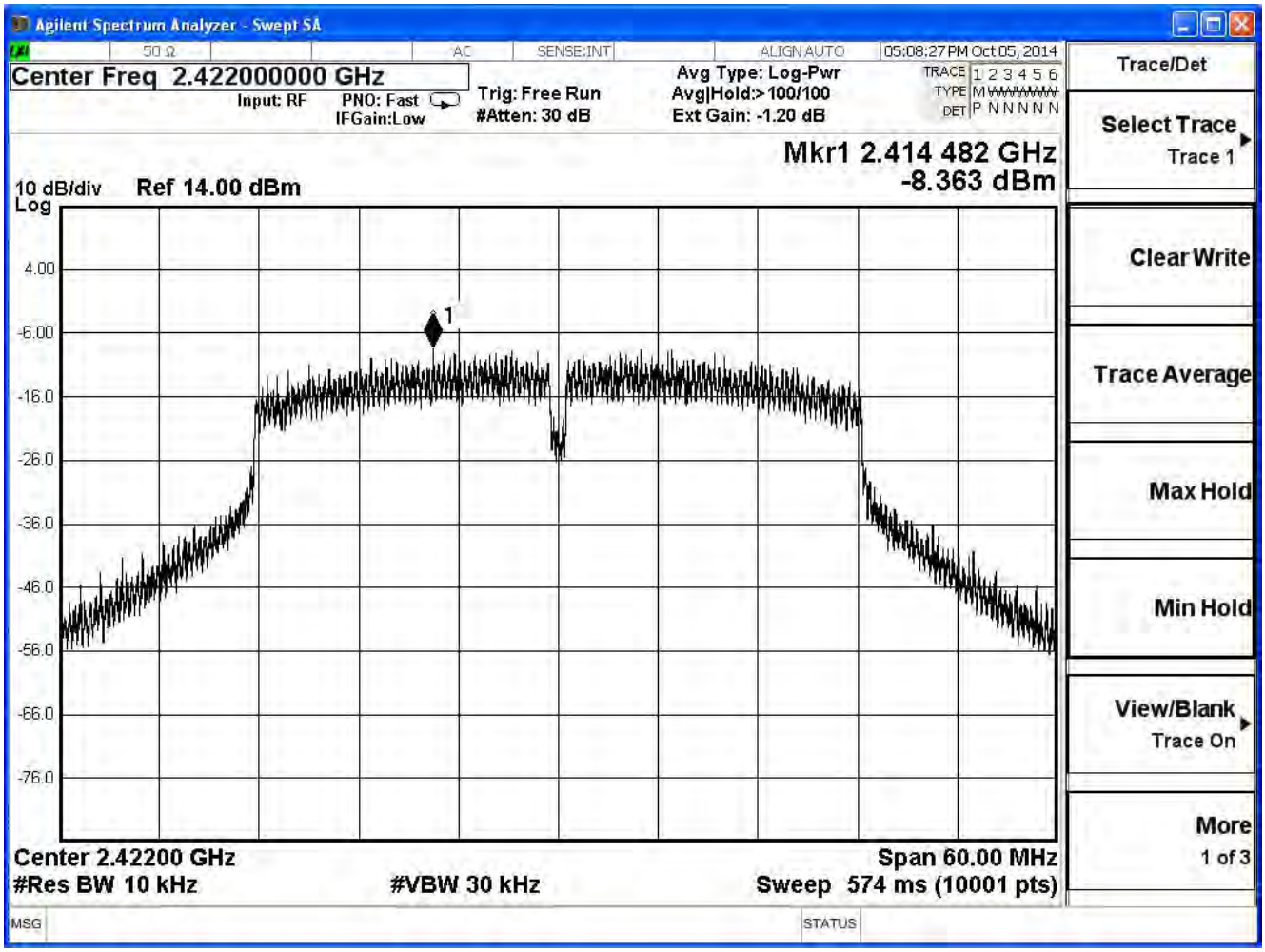
Channel 9 (2452MHz)



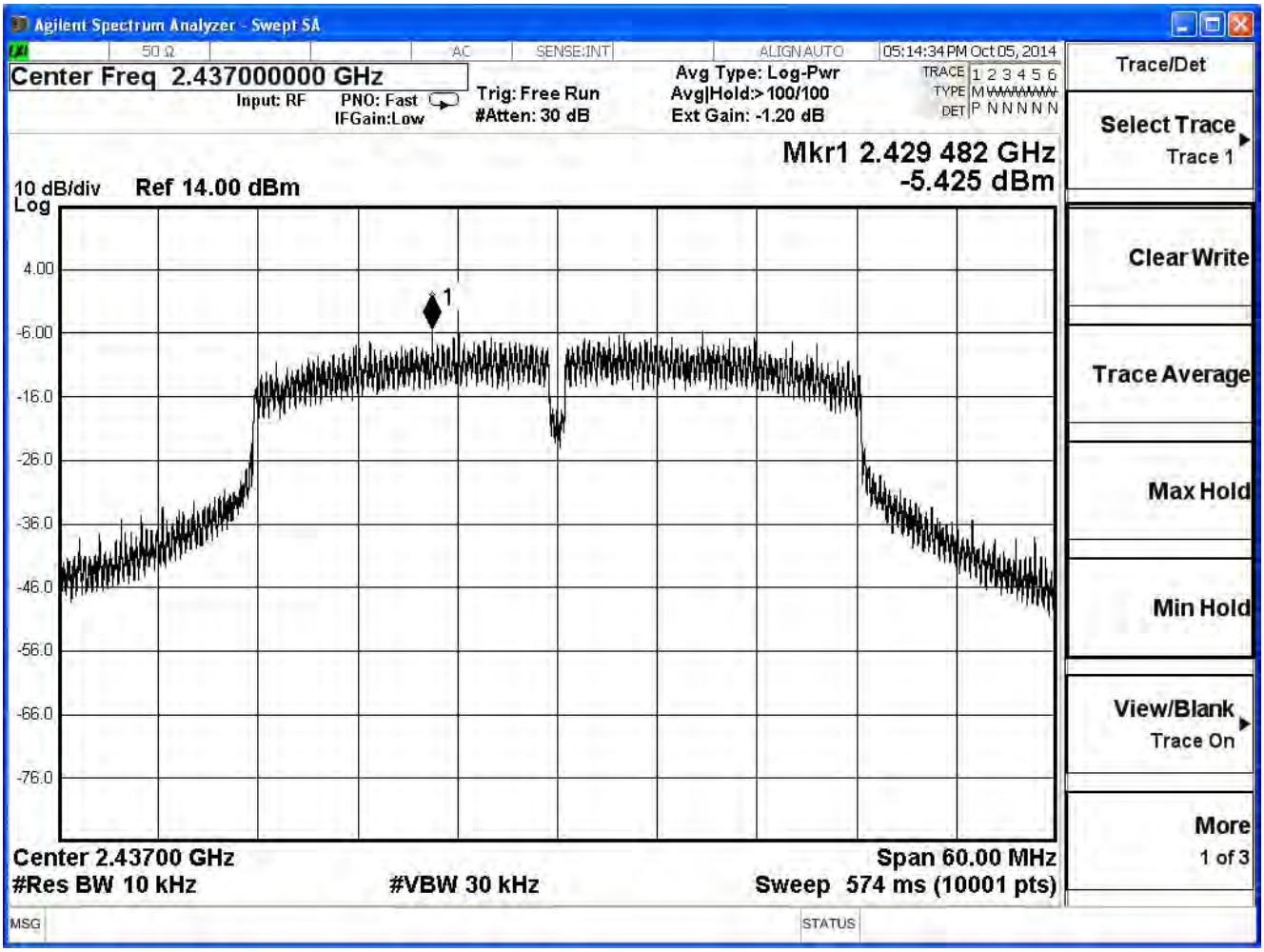
Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/06	Test Site	SR7

IEEE 802.11n (40MHz), ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-8.363	≦8	Pass
6	2437	-5.425	≦8	Pass
9	2452	-6.556	≦8	Pass

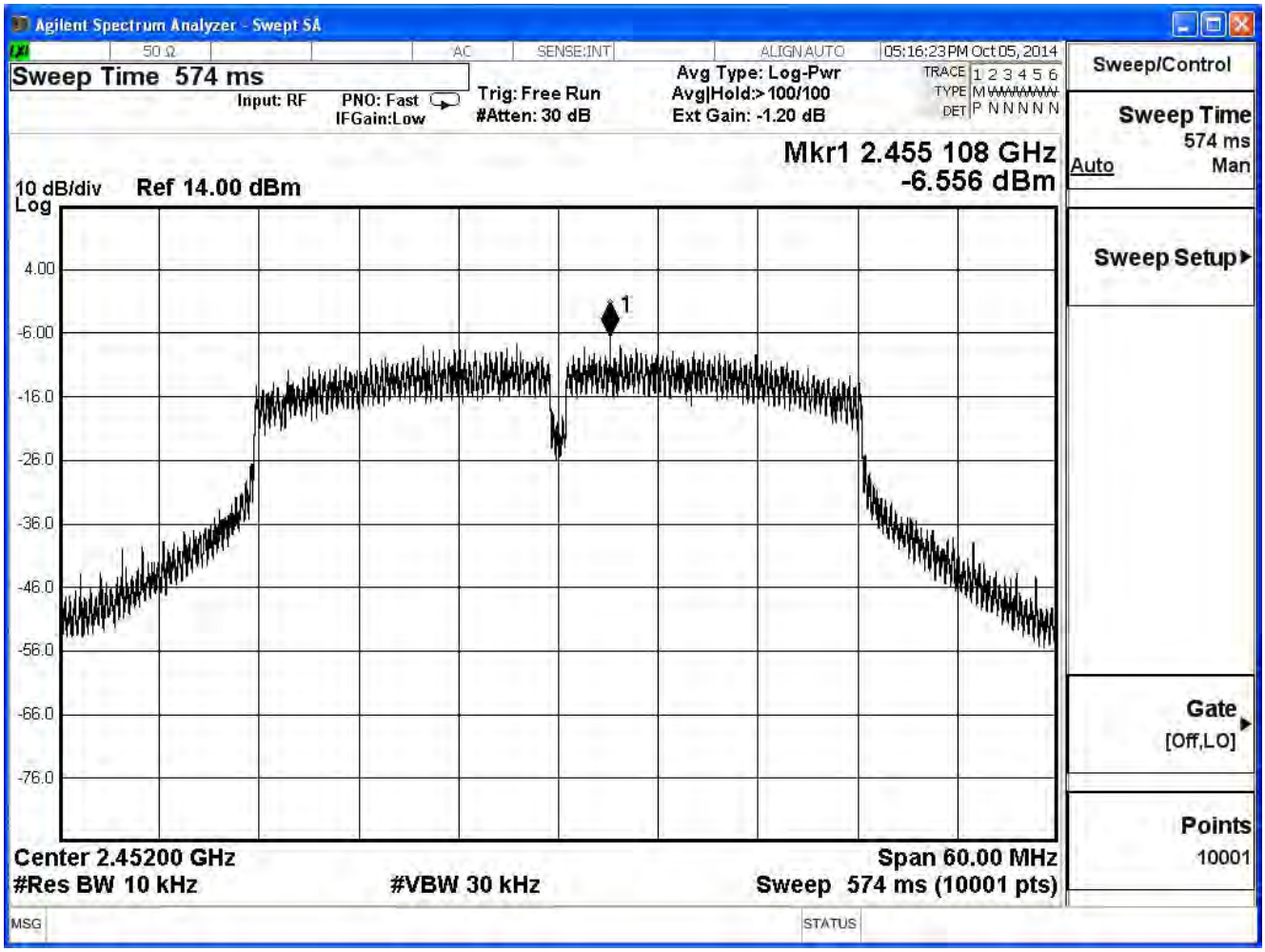
Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)



Product	Powerline AV 500 Wireless N Mini Extender		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2014/10/06	Test Site	SR7

IEEE 802.11n (40MHz), (Worse Condition+10log(Ant N))=Ant1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-5.353	≦8	Pass
6	2437	-2.415	≦8	Pass
9	2452	-3.546	≦8	Pass