6. Radiated Emission Band Edge

6.1. Test Equipment

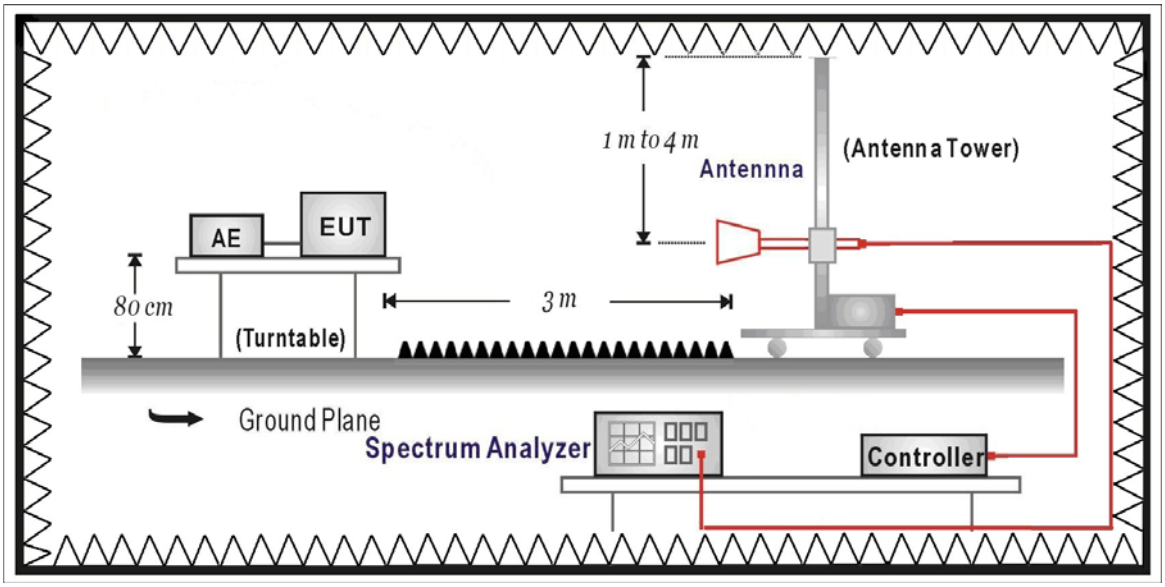
The following test equipments are used during the test:

Radiated Emission Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzbeck	BBHA 9120	D743	2017/01/14
Spectrum Analyzer	Agilent	E4440A	MY46187335	2016/12/24
k Type Cable	Huber+Suhner	SF 102	25623/2	2017/01/11
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05

Note: 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 V03R05 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: 2015

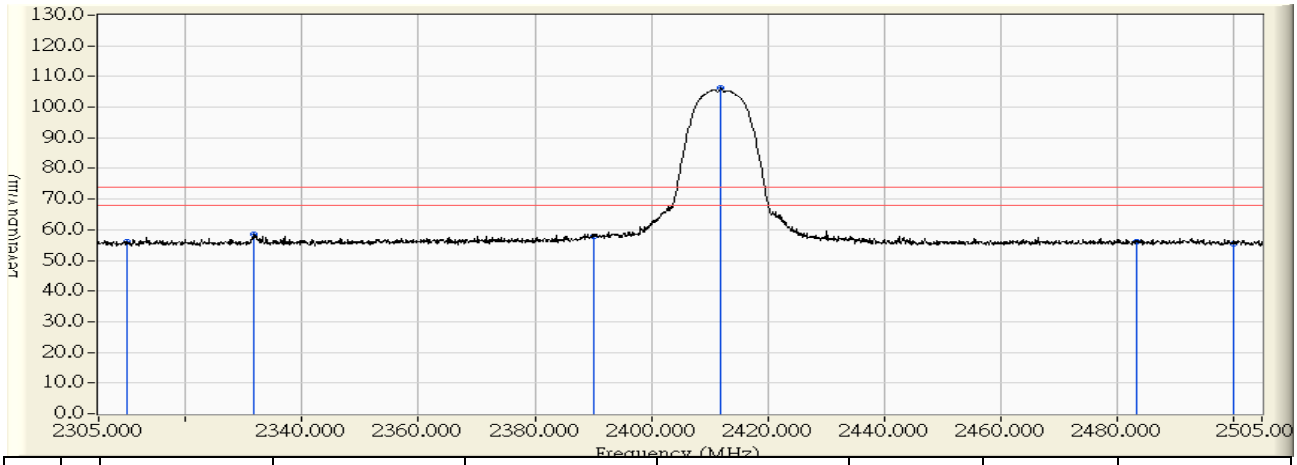
6.6. Uncertainty

The measurement uncertainty
± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	**Time : 2016/07/06 - 20:10**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2412MHz**

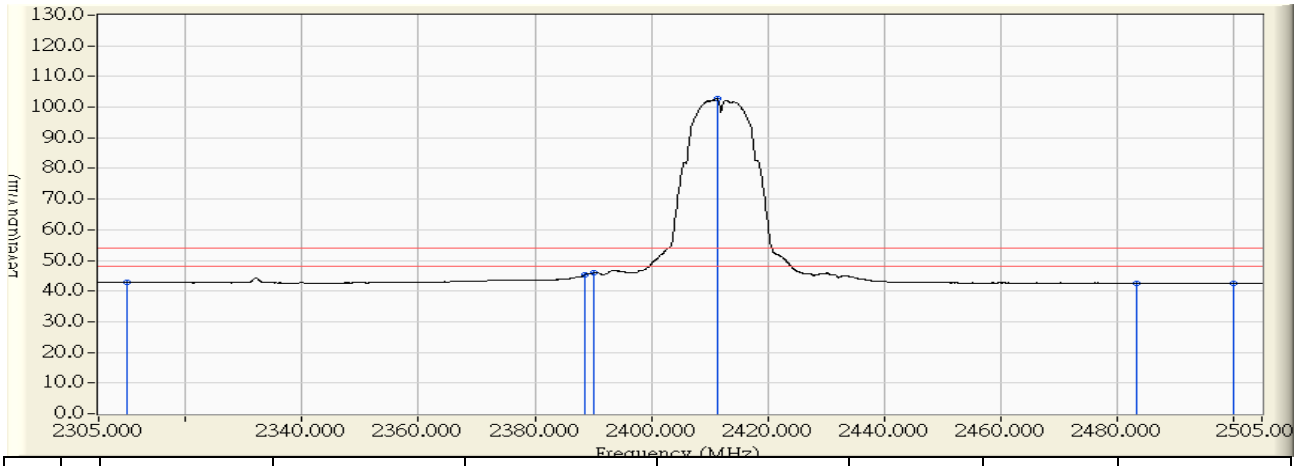


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	27.858	55.988	-18.012	74.000	PEAK
2		2331.700	28.347	30.239	58.587	-15.413	74.000	PEAK
3		2390.000	28.933	28.817	57.750	-16.250	74.000	PEAK
4	*	2412.000	29.154	76.974	106.128	32.128	74.000	PEAK
5		2483.500	29.829	26.117	55.946	-18.054	74.000	PEAK
6		2500.000	29.826	25.721	55.546	-18.454	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 : 2016/07/06 - 20:14**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326** **802.11b_2412MHz**

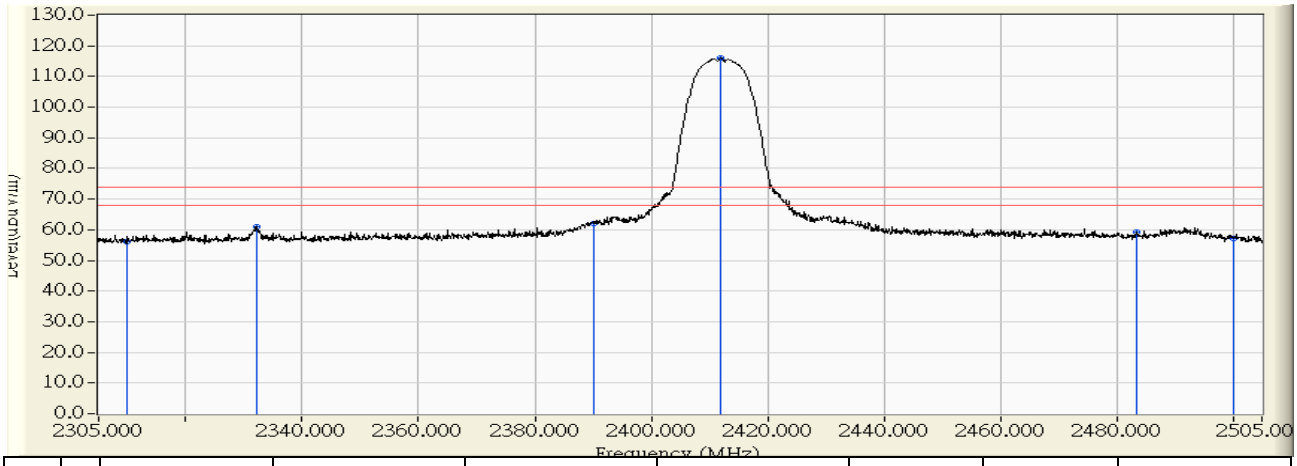


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	14.859	42.989	-11.011	54.000	AVERAGE
2		2388.600	28.919	16.379	45.298	-8.702	54.000	AVERAGE
3		2390.000	28.933	16.907	45.840	-8.160	54.000	AVERAGE
4	*	2411.300	29.148	73.693	102.840	48.840	54.000	AVERAGE
5		2483.500	29.829	12.789	42.618	-11.382	54.000	AVERAGE
6		2500.000	29.826	12.757	42.582	-11.418	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 : 2016/07/06 - 20:05**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2412MHz**

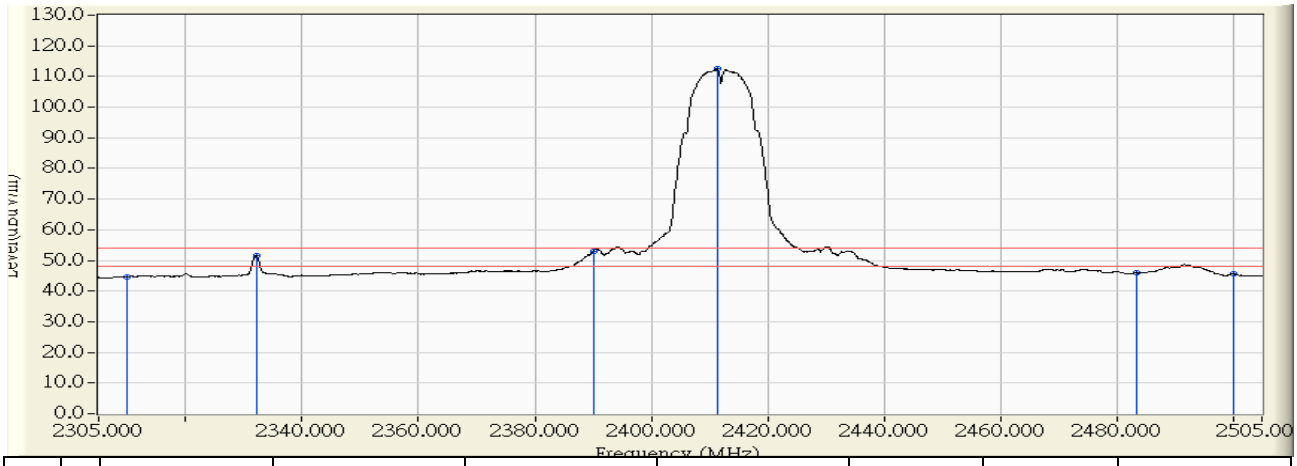


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	27.438	56.222	-17.778	74.000	PEAK
2		2332.200	29.051	31.972	61.023	-12.977	74.000	PEAK
3		2390.000	29.747	32.222	61.969	-12.031	74.000	PEAK
4	*	2412.000	30.012	86.106	116.118	42.118	74.000	PEAK
5		2483.500	30.830	28.555	59.385	-14.615	74.000	PEAK
6		2500.000	30.860	26.464	57.323	-16.677	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 : 2016/07/06 - 20:04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2412MHz**

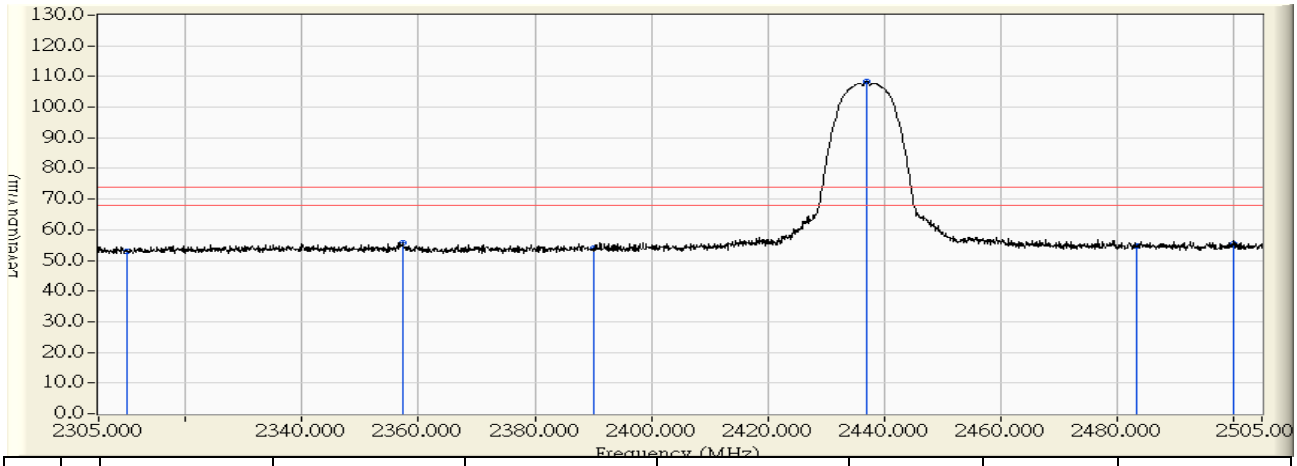


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	15.926	44.710	-9.290	54.000	AVERAGE
2		2332.100	29.049	22.692	51.742	-2.258	54.000	AVERAGE
3		2390.000	29.747	23.239	52.986	-1.014	54.000	AVERAGE
4	*	2411.300	30.004	82.447	112.451	58.451	54.000	AVERAGE
5		2483.500	30.830	15.023	45.853	-8.147	54.000	AVERAGE
6		2500.000	30.860	14.781	45.640	-8.360	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 : 2016/07/06 - 20:28**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2437MHz**

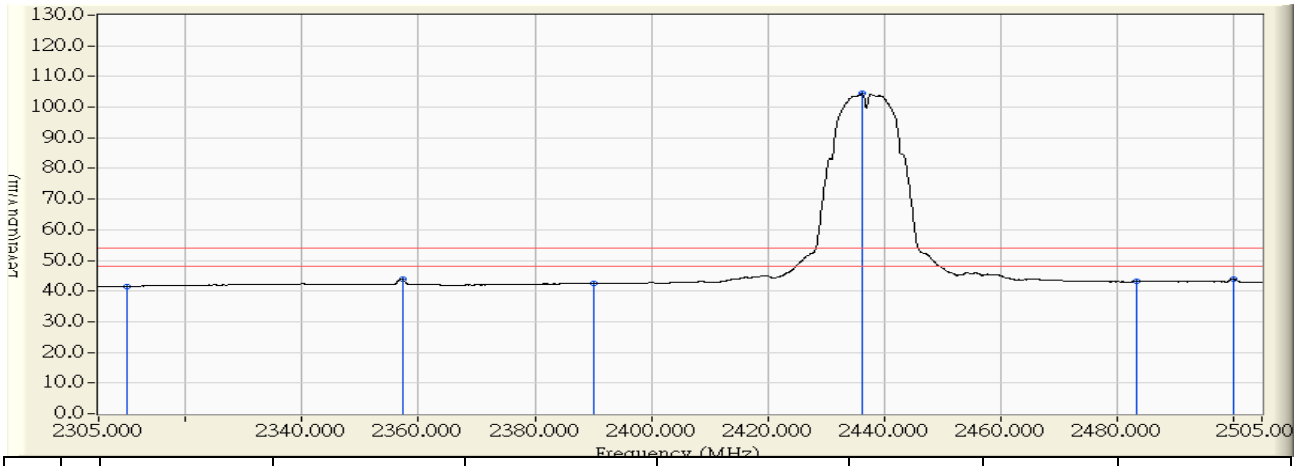


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.766	52.896	-21.104	74.000	PEAK
2		2357.200	28.604	27.019	55.623	-18.377	74.000	PEAK
3		2390.000	28.933	25.158	54.091	-19.909	74.000	PEAK
4	*	2437.000	29.405	78.997	108.402	34.402	74.000	PEAK
5		2483.500	29.829	25.050	54.879	-19.121	74.000	PEAK
6		2500.000	29.826	25.715	55.540	-18.460	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 : 2016/07/06 - 20:28**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2437MHz**

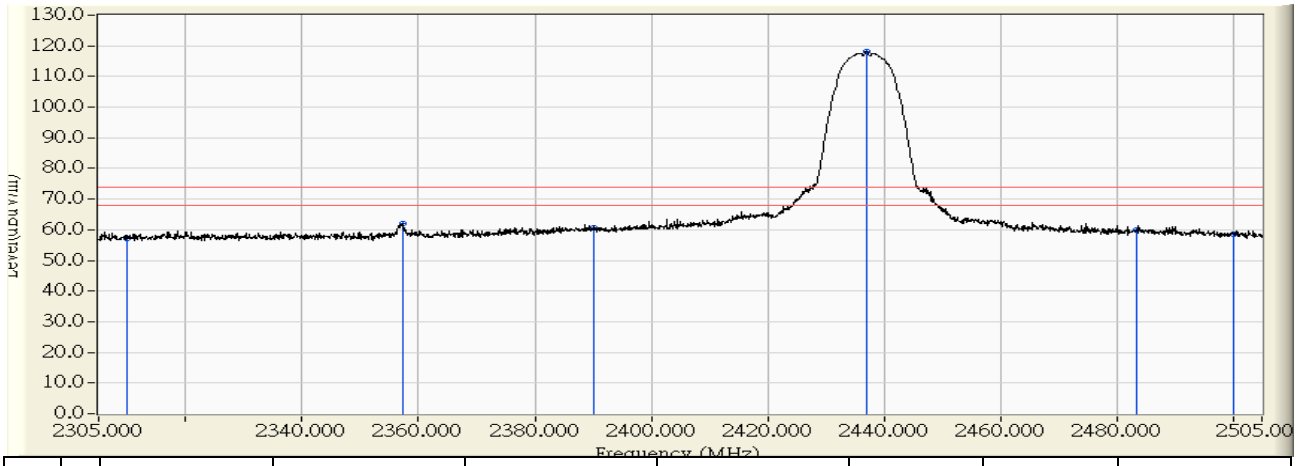


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	13.448	41.578	-12.422	54.000	AVERAGE
2		2357.200	28.604	15.305	43.909	-10.091	54.000	AVERAGE
3		2390.000	28.933	13.579	42.512	-11.488	54.000	AVERAGE
4	*	2436.300	29.398	75.063	104.461	50.461	54.000	AVERAGE
5		2483.500	29.829	13.259	43.088	-10.912	54.000	AVERAGE
6		2500.000	29.826	14.125	43.950	-10.050	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 : 2016/07/06 - 20:21**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2437MHz**

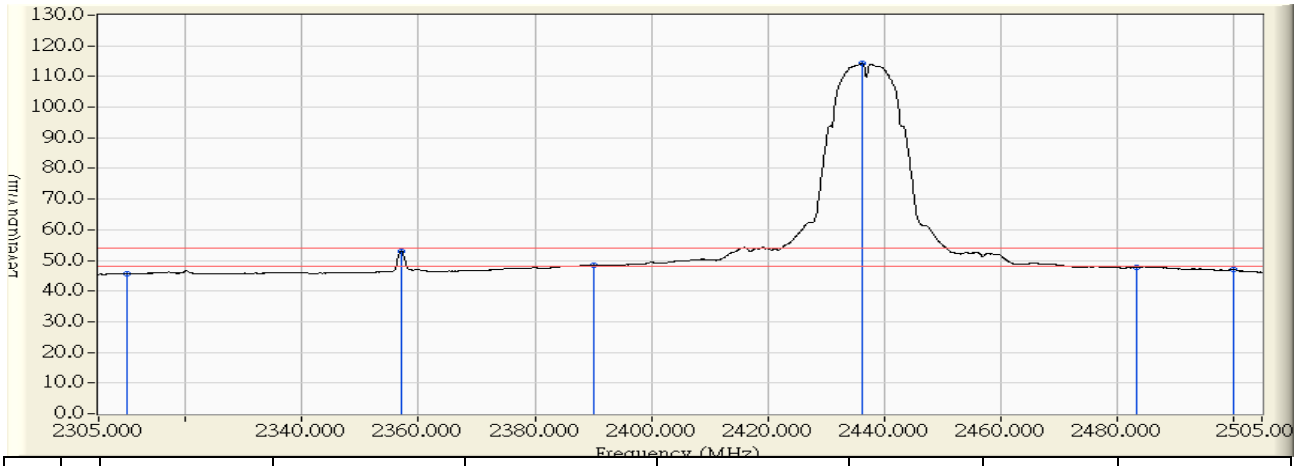


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	28.375	57.159	-16.841	74.000	PEAK
2		2357.200	29.352	32.744	62.096	-11.904	74.000	PEAK
3		2390.000	29.747	31.040	60.787	-13.213	74.000	PEAK
4	*	2437.000	30.313	87.772	118.085	44.085	74.000	PEAK
5		2483.500	30.830	29.126	59.956	-14.044	74.000	PEAK
6		2500.000	30.860	27.700	58.559	-15.441	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 : 2016/07/06 - 20:21**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2437MHz**

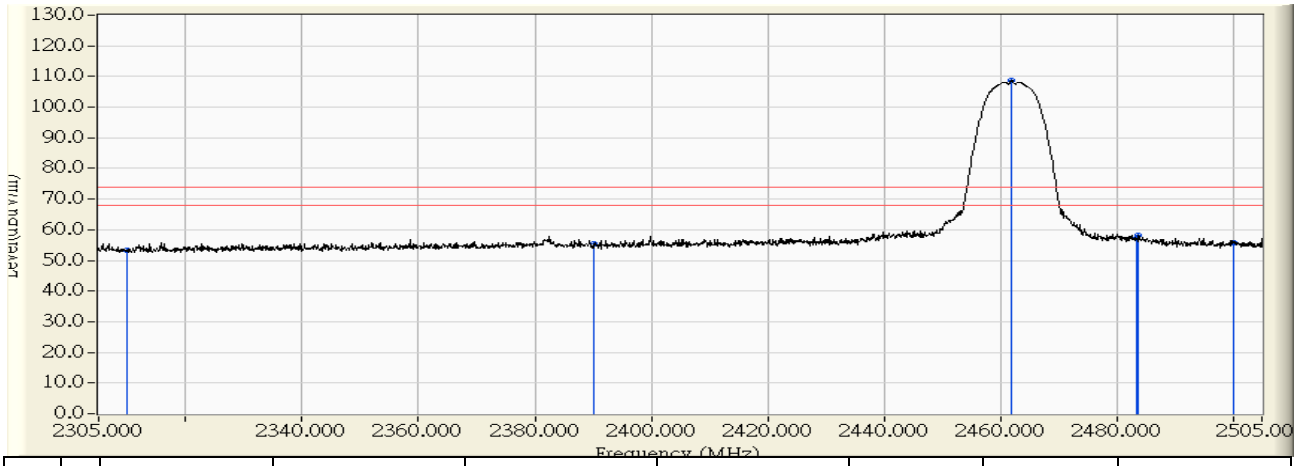


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	16.881	45.665	-8.335	54.000	AVERAGE
2		2357.000	29.350	23.625	52.975	-1.025	54.000	AVERAGE
3		2390.000	29.747	18.797	48.544	-5.456	54.000	AVERAGE
4	*	2436.300	30.305	84.134	114.439	60.439	54.000	AVERAGE
5		2483.500	30.830	16.916	47.746	-6.254	54.000	AVERAGE
6		2500.000	30.860	16.340	47.199	-6.801	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 : 2016/07/07 - 11:11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2462MHz**

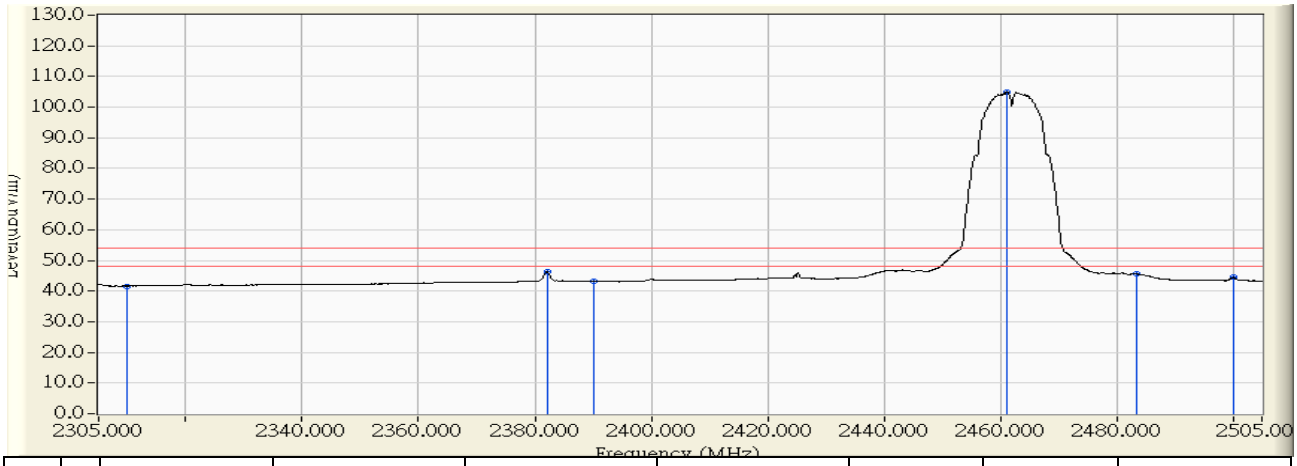


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	25.273	53.403	-20.597	74.000	PEAK
2		2390.000	28.933	26.533	55.466	-18.534	74.000	PEAK
3	*	2462.000	29.656	79.054	108.710	34.710	74.000	PEAK
4		2483.500	29.829	27.166	56.995	-17.005	74.000	PEAK
5		2483.800	29.830	28.465	58.294	-15.706	74.000	PEAK
6		2500.000	29.826	25.871	55.696	-18.304	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 : 2016/07/07 - 11:11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2462MHz**

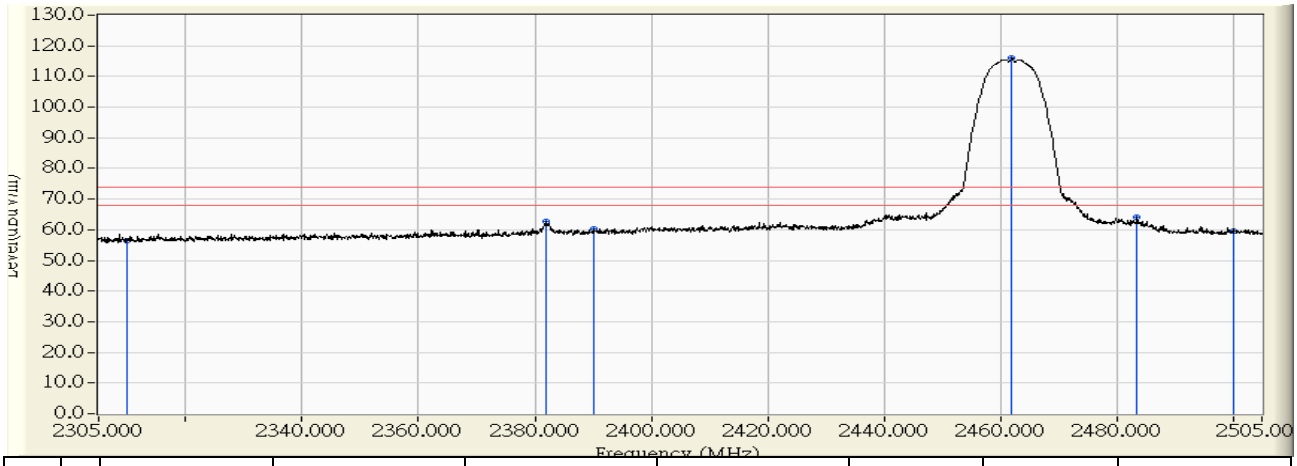


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	13.493	41.623	-12.377	54.000	AVERAGE
2		2382.100	28.853	17.346	46.200	-7.800	54.000	AVERAGE
3		2390.000	28.933	14.170	43.103	-10.897	54.000	AVERAGE
4	*	2461.200	29.649	75.349	104.997	50.997	54.000	AVERAGE
5		2483.500	29.829	15.741	45.570	-8.430	54.000	AVERAGE
6		2500.000	29.826	14.613	44.438	-9.562	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 : 2016/07/07 - 10:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2462MHz**

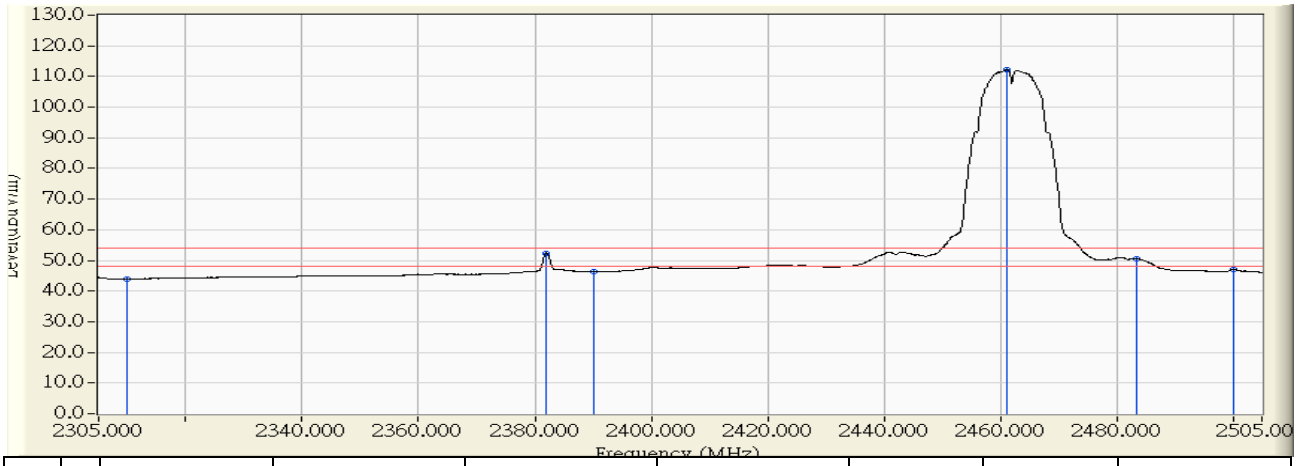


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	27.791	56.575	-17.425	74.000	PEAK
2		2381.800	29.648	33.061	62.709	-11.291	74.000	PEAK
3		2390.000	29.747	30.409	60.156	-13.844	74.000	PEAK
4	*	2462.000	30.614	85.381	115.995	41.995	74.000	PEAK
5		2483.500	30.830	33.161	63.991	-10.009	74.000	PEAK
6		2500.000	30.860	28.676	59.535	-14.465	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 : 2016/07/07 - 10:23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11b_2462MHz**

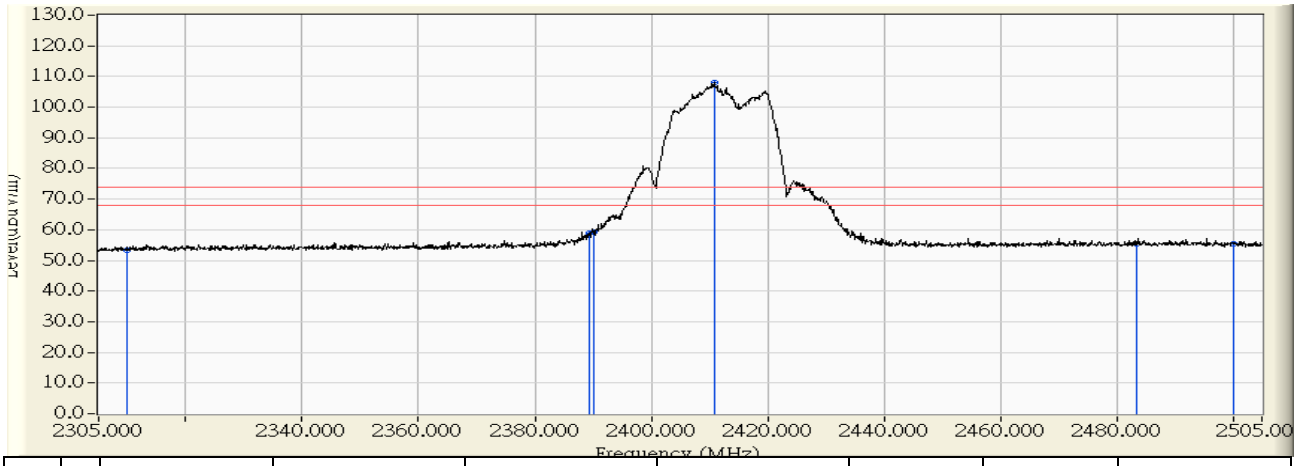


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	15.143	43.927	-10.073	54.000	AVERAGE
2		2381.900	29.649	22.773	52.423	-1.577	54.000	AVERAGE
3		2390.000	29.747	16.708	46.455	-7.545	54.000	AVERAGE
4	*	2461.200	30.605	81.784	112.388	58.388	54.000	AVERAGE
5		2483.500	30.830	19.749	50.579	-3.421	54.000	AVERAGE
6		2500.000	30.860	16.278	47.137	-6.863	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 : 2016/07/07 - 11:39**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2412MHz**

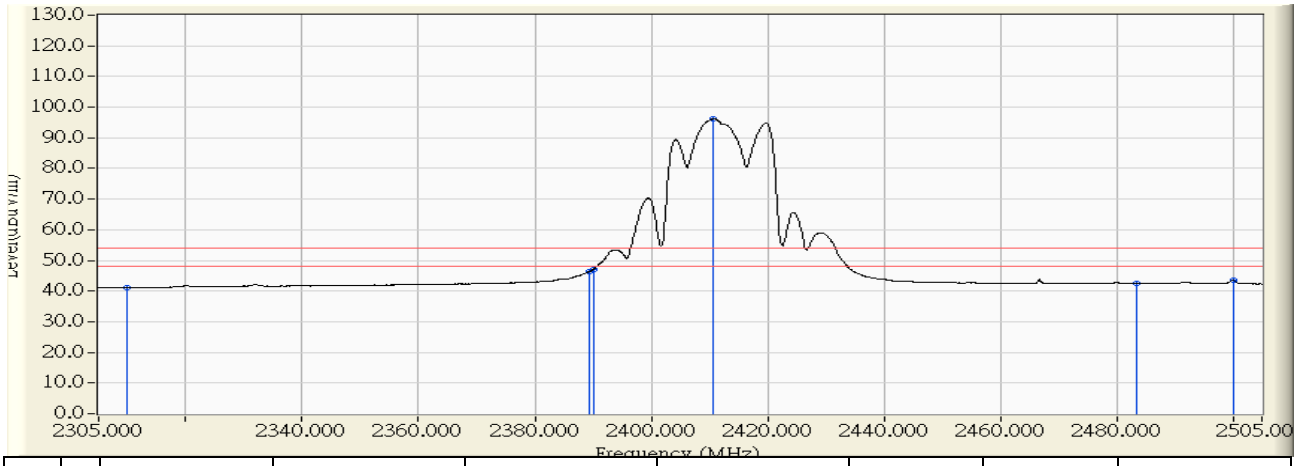


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	25.057	53.187	-20.813	74.000	PEAK
2		2389.400	28.927	30.069	58.996	-15.004	74.000	PEAK
3		2390.000	28.933	30.445	59.378	-14.622	74.000	PEAK
4	*	2410.800	29.142	78.792	107.934	33.934	74.000	PEAK
5		2483.500	29.829	25.753	55.582	-18.418	74.000	PEAK
6		2500.000	29.826	25.692	55.517	-18.483	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 : 2016/07/07 - 11:40**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326** **802.11g_2412MHz**

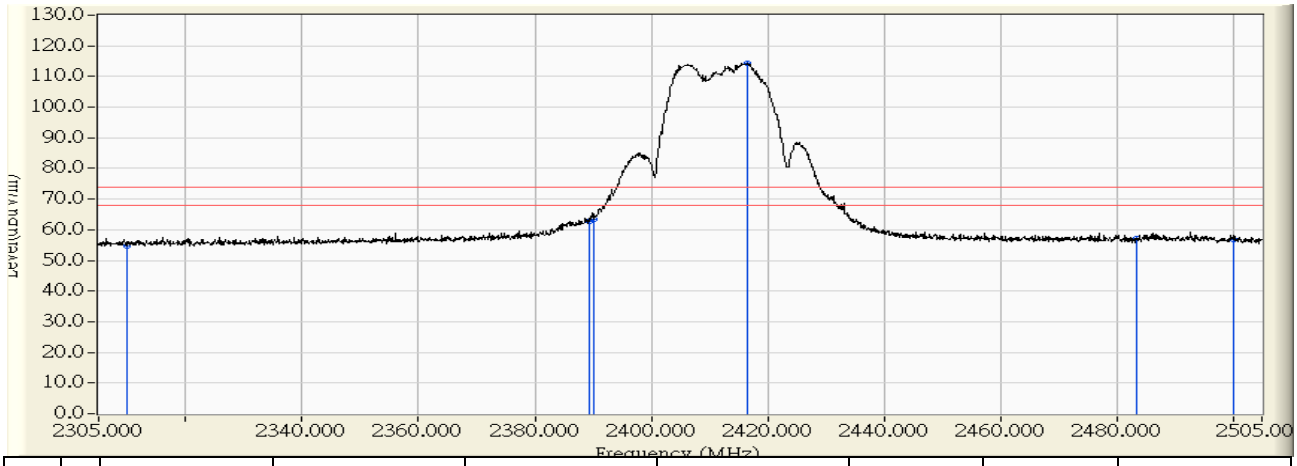


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.993	41.123	-12.877	54.000	AVERAGE
2		2389.400	28.927	17.471	46.398	-7.602	54.000	AVERAGE
3		2390.000	28.933	18.078	47.011	-6.989	54.000	AVERAGE
4	*	2410.600	29.140	67.032	96.172	42.172	54.000	AVERAGE
5		2483.500	29.829	12.723	42.552	-11.448	54.000	AVERAGE
6		2500.000	29.826	13.694	43.519	-10.481	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 : 2016/07/07 - 11:31**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2412MHz**

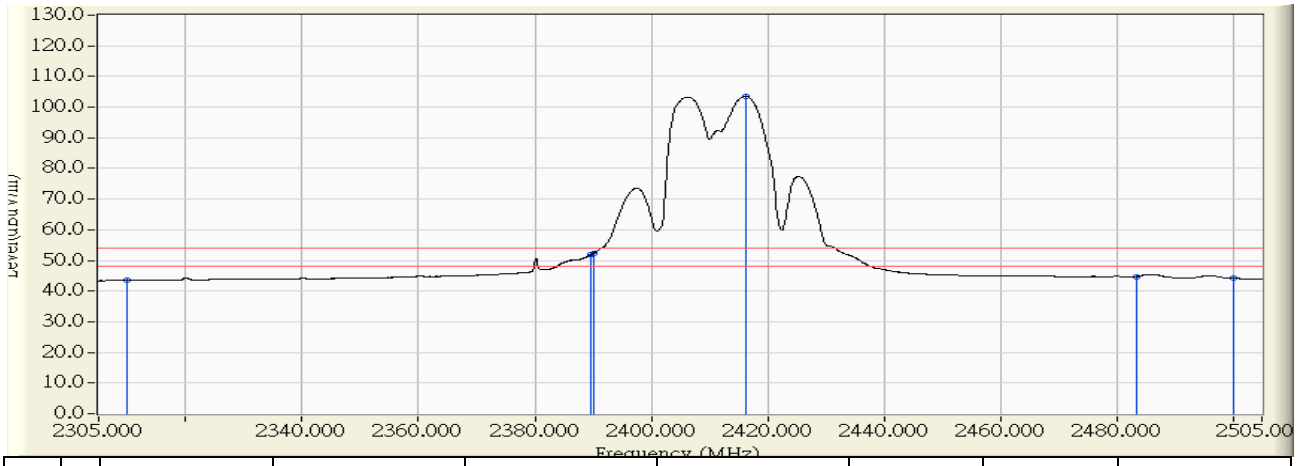


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	26.080	54.864	-19.136	74.000	PEAK
2		2389.300	29.739	33.027	62.766	-11.234	74.000	PEAK
3		2390.000	29.747	33.628	63.375	-10.625	74.000	PEAK
4	*	2416.600	30.067	84.101	114.168	40.168	74.000	PEAK
5		2483.500	30.830	26.249	57.079	-16.921	74.000	PEAK
6		2500.000	30.860	26.081	56.940	-17.060	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 : 2016/07/07 - 11:29**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2412MHz**

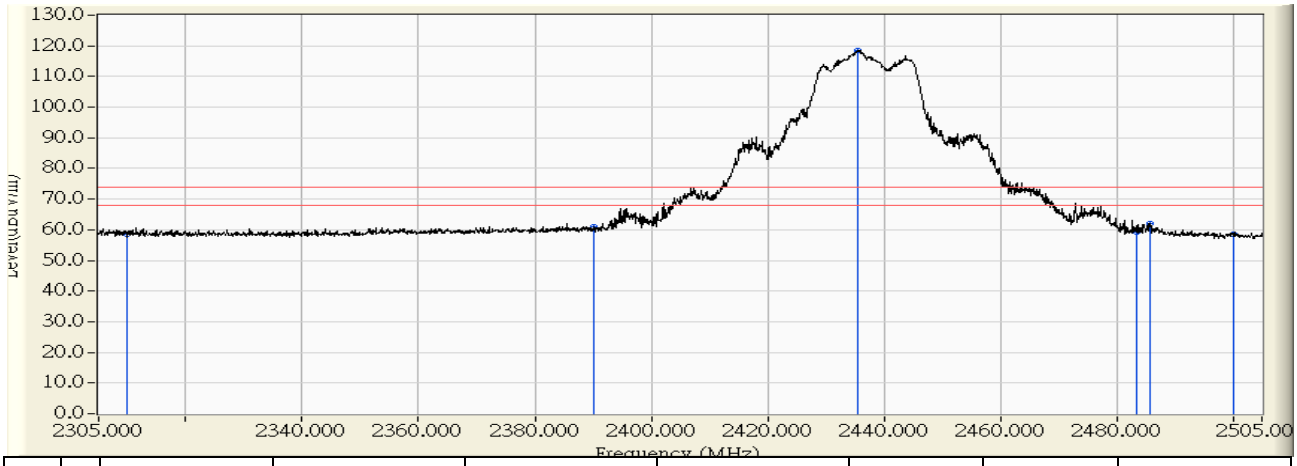


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	14.726	43.510	-10.490	54.000	AVERAGE
2		2389.600	29.742	22.093	51.835	-2.165	54.000	AVERAGE
3		2390.000	29.747	22.575	52.322	-1.678	54.000	AVERAGE
4	*	2416.400	30.065	73.480	103.545	49.545	54.000	AVERAGE
5		2483.500	30.830	13.770	44.600	-9.400	54.000	AVERAGE
6		2500.000	30.860	13.354	44.213	-9.787	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/07/07 - 13:56**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326** **802.11g_2437MHz**

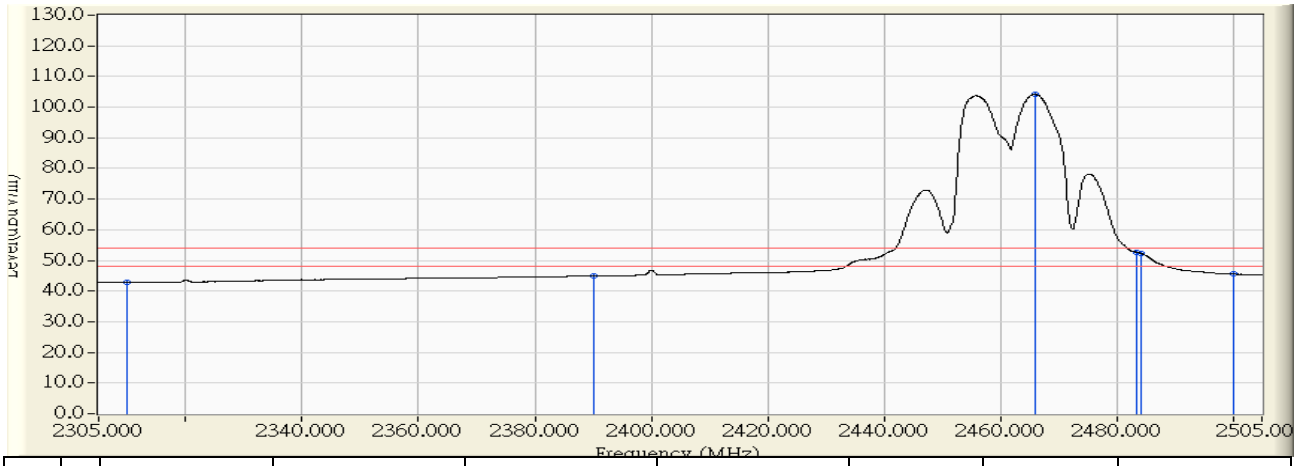


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	30.566	58.696	-15.304	74.000	PEAK
2		2390.000	28.933	32.196	61.129	-12.871	74.000	PEAK
3	*	2435.600	29.391	89.141	118.532	44.532	74.000	PEAK
4		2483.500	29.829	29.375	59.204	-14.796	74.000	PEAK
5		2485.800	29.831	32.220	62.050	-11.950	74.000	PEAK
6		2500.000	29.826	28.625	58.450	-15.550	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 : 2016/07/07 - 14:56**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2462MHz**

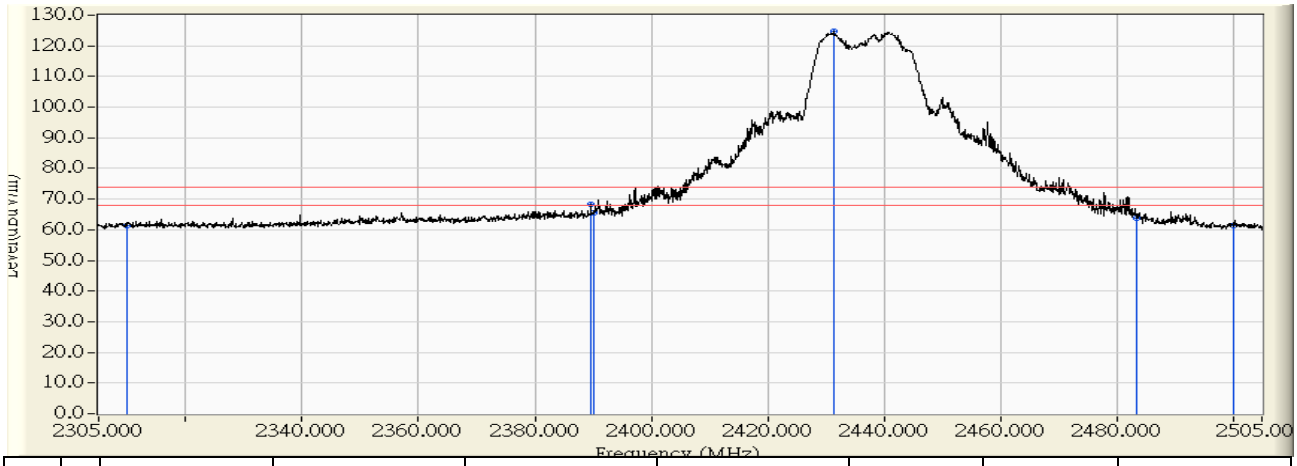


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	14.053	42.837	-11.163	54.000	AVERAGE
2		2390.000	29.747	15.124	44.871	-9.129	54.000	AVERAGE
3	*	2466.000	30.662	73.598	104.260	50.260	54.000	AVERAGE
4		2483.500	30.830	21.845	52.675	-1.325	54.000	AVERAGE
5		2484.200	30.832	21.501	52.333	-1.667	54.000	AVERAGE
6		2500.000	30.860	14.792	45.651	-8.349	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 : 2016/07/07 - 13:34**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2437MHz**

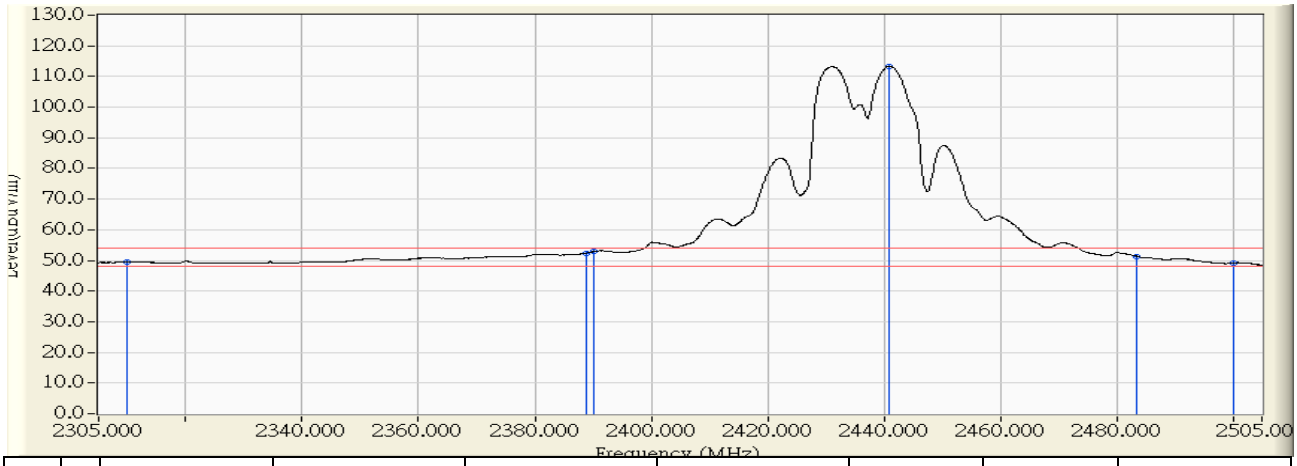


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	32.655	61.439	-12.561	74.000	PEAK
2		2389.600	29.742	38.471	68.213	-5.787	74.000	PEAK
3		2390.000	29.747	35.858	65.605	-8.395	74.000	PEAK
4	*	2431.300	30.244	94.375	124.619	50.619	74.000	PEAK
5		2483.500	30.830	33.045	63.875	-10.125	74.000	PEAK
6		2500.000	30.860	30.563	61.422	-12.578	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/07/07 - 13:32**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2437MHz**

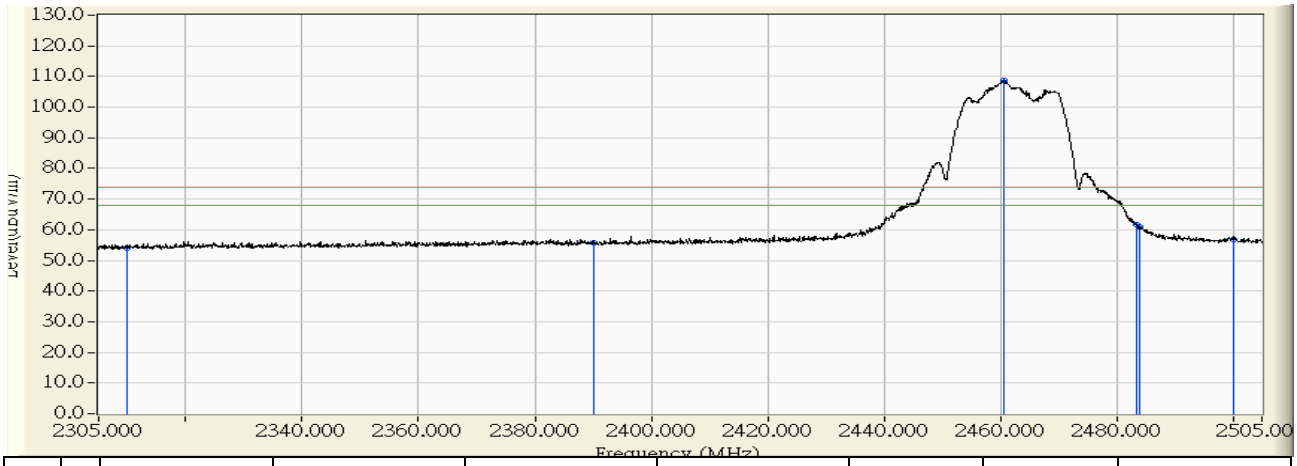


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	20.688	49.472	-4.528	54.000	AVERAGE
2		2388.800	29.733	22.681	52.414	-1.586	54.000	AVERAGE
3		2390.000	29.747	23.127	52.874	-1.126	54.000	AVERAGE
4	*	2441.000	30.362	83.076	113.437	59.437	54.000	AVERAGE
5		2483.500	30.830	20.522	51.352	-2.648	54.000	AVERAGE
6		2500.000	30.860	18.363	49.222	-4.778	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 : 2016/07/07 - 15:16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326** **802.11g_2462MHz**

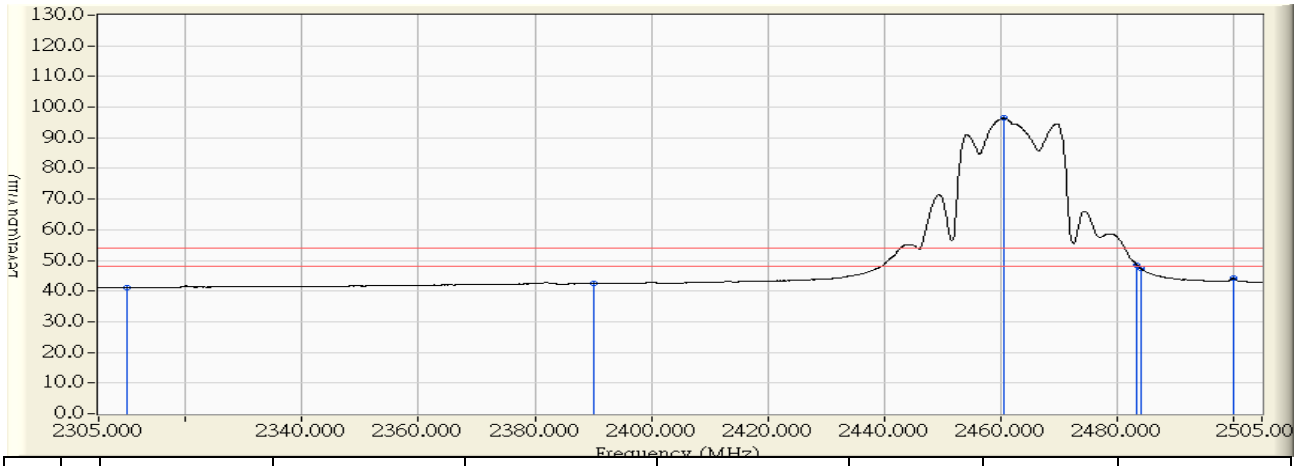


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	25.889	54.019	-19.981	74.000	PEAK
2		2390.000	28.933	26.681	55.614	-18.386	74.000	PEAK
3	*	2460.700	29.643	79.114	108.757	34.757	74.000	PEAK
4		2483.500	29.829	31.946	61.775	-12.225	74.000	PEAK
5		2483.900	29.830	31.170	60.999	-13.001	74.000	PEAK
6		2500.000	29.826	26.814	56.639	-17.361	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 : 2016/07/07 - 15:19**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326** **802.11g_2462MHz**

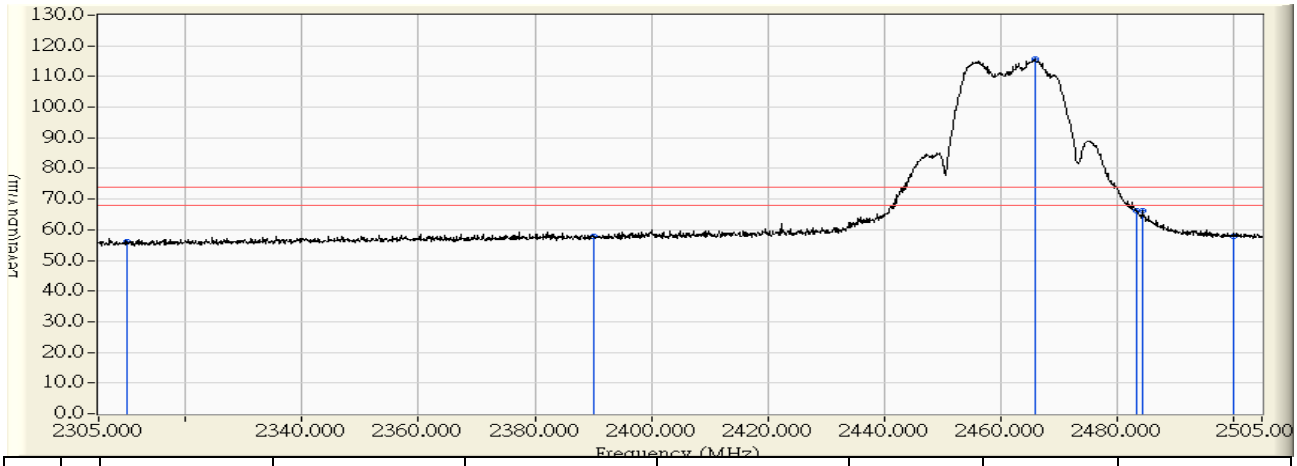


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	13.044	41.174	-12.826	54.000	AVERAGE
2		2390.000	28.933	13.623	42.556	-11.444	54.000	AVERAGE
3	*	2460.600	29.642	66.750	96.392	42.392	54.000	AVERAGE
4		2483.500	29.829	18.664	48.493	-5.507	54.000	AVERAGE
5		2484.200	29.830	17.508	47.337	-6.663	54.000	AVERAGE
6		2500.000	29.826	14.272	44.097	-9.903	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 : 2016/07/07 - 15:00**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2462MHz**

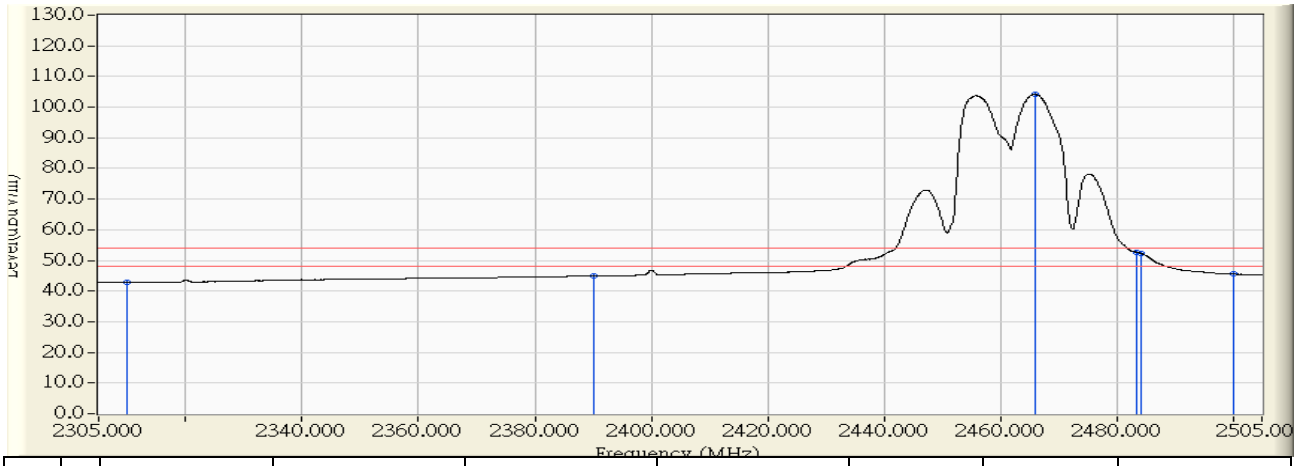


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	27.306	56.090	-17.910	74.000	PEAK
2		2390.000	29.747	27.939	57.686	-16.314	74.000	PEAK
3	*	2465.900	30.661	85.201	115.862	41.862	74.000	PEAK
4		2483.500	30.830	35.551	66.381	-7.619	74.000	PEAK
5		2484.600	30.833	35.303	66.136	-7.864	74.000	PEAK
6		2500.000	30.860	27.168	58.027	-15.973	74.000	PEAK

Note:

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

Site : CB1	**Time : 2016/07/07 - 14:56**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11g_2462MHz**

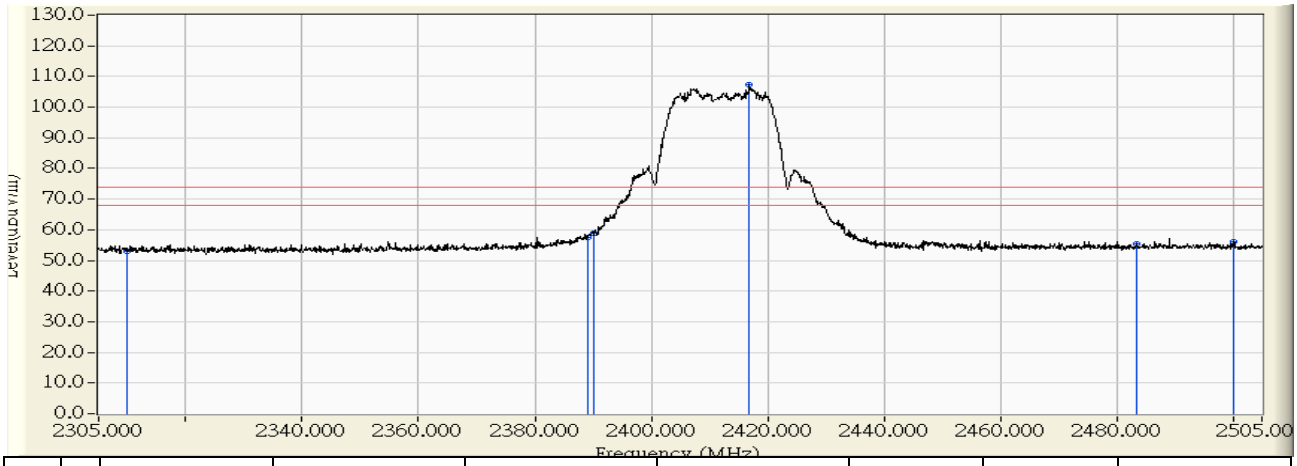


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	14.053	42.837	-11.163	54.000	AVERAGE
2		2390.000	29.747	15.124	44.871	-9.129	54.000	AVERAGE
3	*	2466.000	30.662	73.598	104.260	50.260	54.000	AVERAGE
4		2483.500	30.830	21.845	52.675	-1.325	54.000	AVERAGE
5		2484.200	30.832	21.501	52.333	-1.667	54.000	AVERAGE
6		2500.000	30.860	14.792	45.651	-8.349	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 : 2016/07/07 - 15:49**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2412MHz**

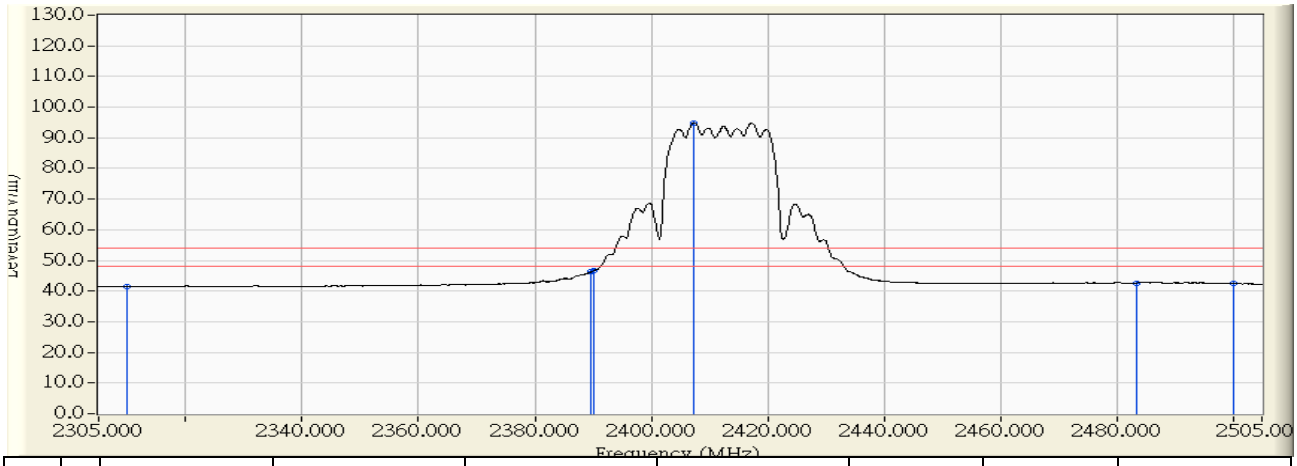


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	24.775	52.905	-21.095	74.000	PEAK
2		2389.200	28.925	28.665	57.590	-16.410	74.000	PEAK
3		2390.000	28.933	29.914	58.847	-15.153	74.000	PEAK
4	*	2416.900	29.203	78.153	107.356	33.356	74.000	PEAK
5		2483.500	29.829	25.503	55.332	-18.668	74.000	PEAK
6		2500.000	29.826	26.215	56.040	-17.960	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 : 2016/07/07 - 15:50**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2412MHz**

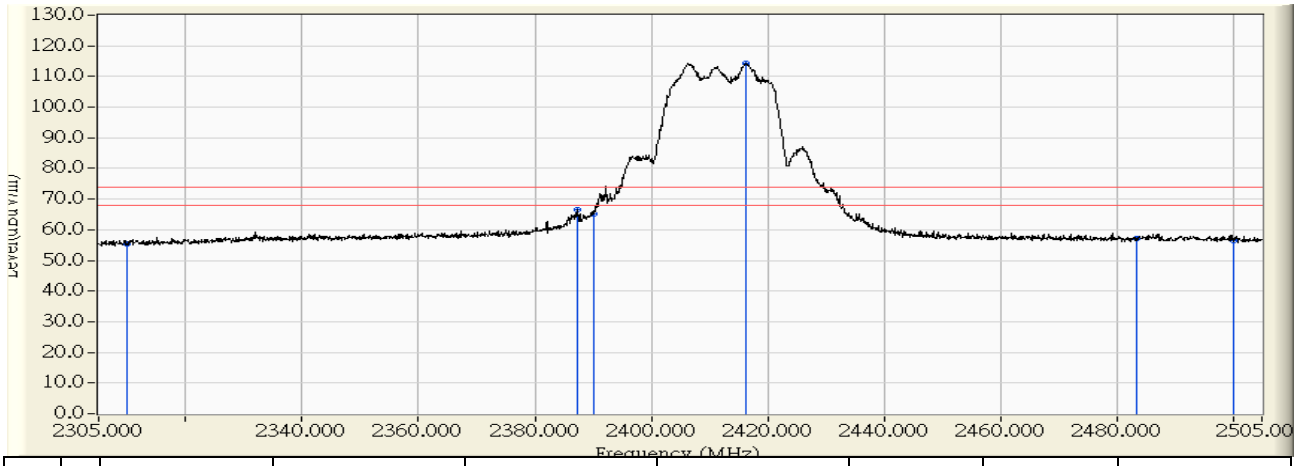


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	13.359	41.489	-12.511	54.000	AVERAGE
2		2389.700	28.930	17.428	46.358	-7.642	54.000	AVERAGE
3		2390.000	28.933	17.731	46.664	-7.336	54.000	AVERAGE
4	*	2407.400	29.108	65.811	94.919	40.919	54.000	AVERAGE
5		2483.500	29.829	12.836	42.665	-11.335	54.000	AVERAGE
6		2500.000	29.826	12.675	42.500	-11.500	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 : 2016/07/07 - 15:41**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2412MHz**

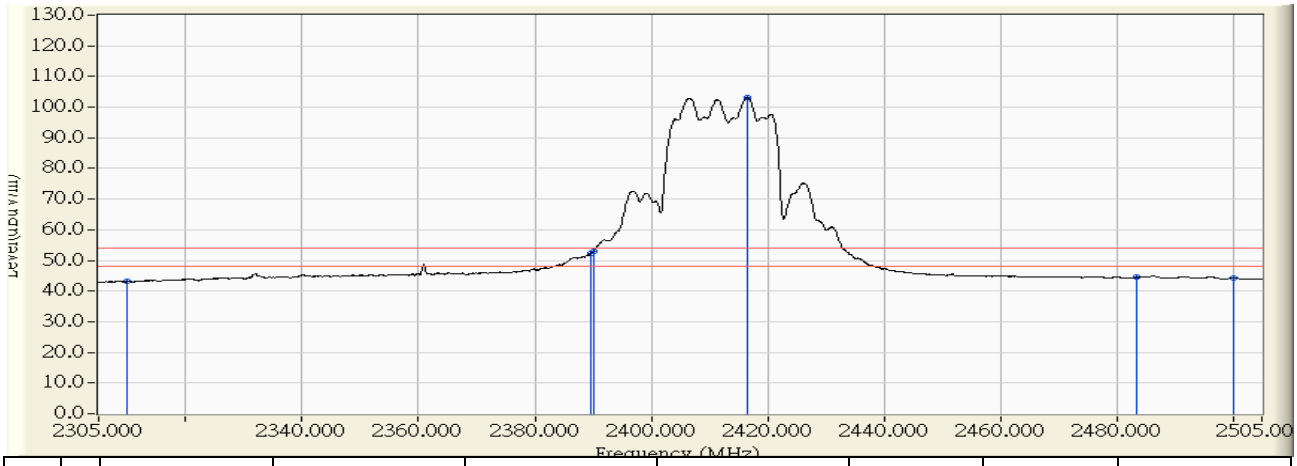


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	26.609	55.393	-18.607	74.000	PEAK
2		2387.300	29.714	36.835	66.550	-7.450	74.000	PEAK
3		2390.000	29.747	35.485	65.232	-8.768	74.000	PEAK
4	*	2416.300	30.064	84.418	114.482	40.482	74.000	PEAK
5		2483.500	30.830	26.244	57.074	-16.926	74.000	PEAK
6		2500.000	30.860	25.669	56.528	-17.472	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 : 2016/07/07 - 15:39**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2412MHz**

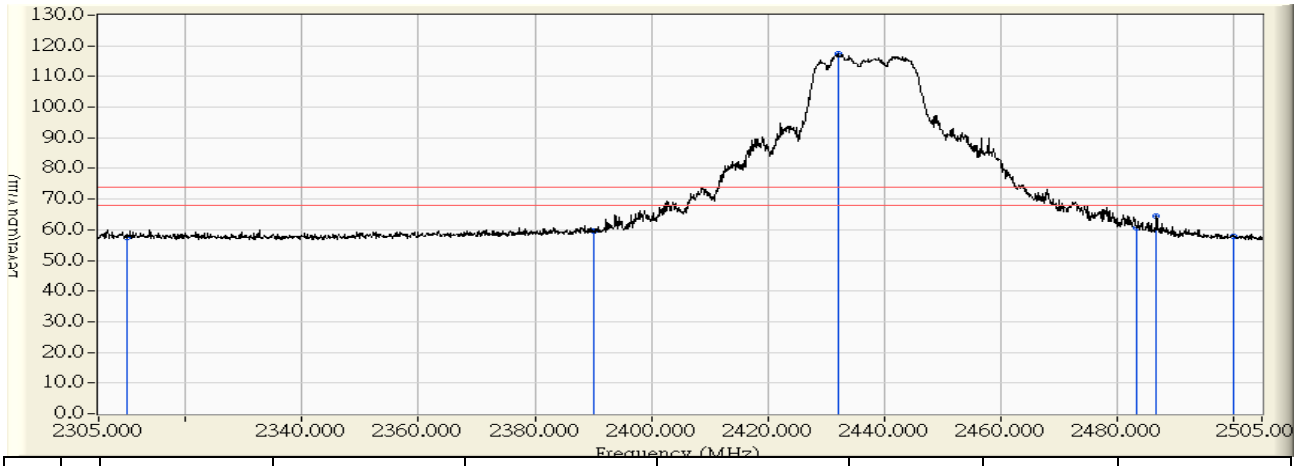


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	14.534	43.318	-10.682	54.000	AVERAGE
2		2389.500	29.741	22.380	52.121	-1.879	54.000	AVERAGE
3		2390.000	29.747	23.170	52.917	-1.083	54.000	AVERAGE
4	*	2416.600	30.067	72.969	103.036	49.036	54.000	AVERAGE
5		2483.500	30.830	13.673	44.503	-9.497	54.000	AVERAGE
6		2500.000	30.860	13.398	44.257	-9.743	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 : 2016/07/07 - 16:30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2437MHz**

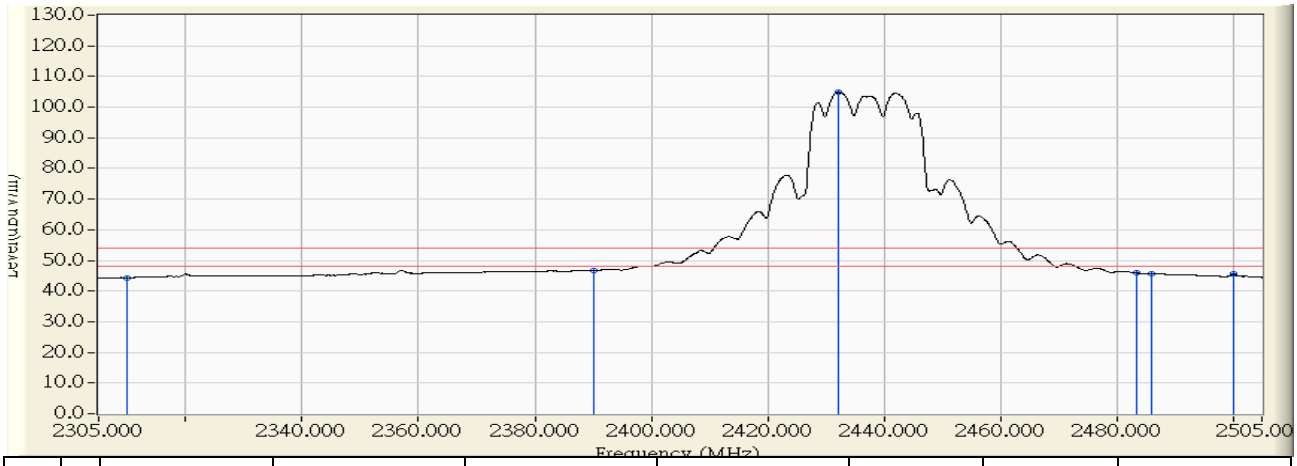


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	29.423	57.553	-16.447	74.000	PEAK
2		2390.000	28.933	30.755	59.688	-14.312	74.000	PEAK
3	*	2432.100	29.356	87.944	117.300	43.300	74.000	PEAK
4		2483.500	29.829	30.978	60.807	-13.193	74.000	PEAK
5		2486.900	29.831	34.676	64.507	-9.493	74.000	PEAK
6		2500.000	29.826	28.081	57.906	-16.094	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 : 2016/07/07 - 16:32**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2437MHz**

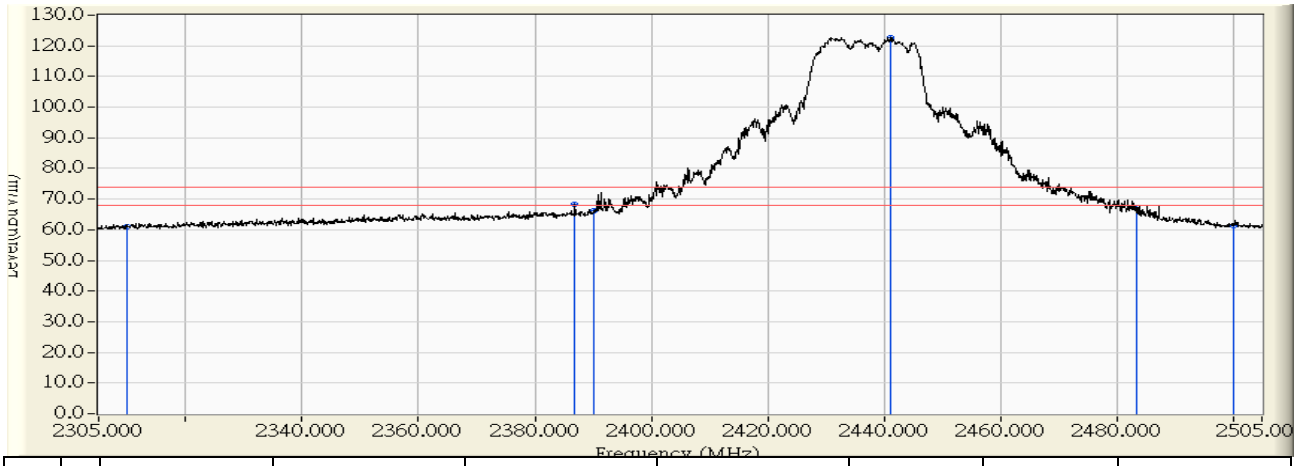


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	16.257	44.387	-9.613	54.000	AVERAGE
2		2390.000	28.933	17.736	46.669	-7.331	54.000	AVERAGE
3	*	2432.200	29.357	75.497	104.854	50.854	54.000	AVERAGE
4		2483.500	29.829	16.064	45.893	-8.107	54.000	AVERAGE
5		2485.900	29.831	15.959	45.789	-8.211	54.000	AVERAGE
6		2500.000	29.826	15.666	45.491	-8.509	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 : 2016/07/07 - 16:17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2437MHz**

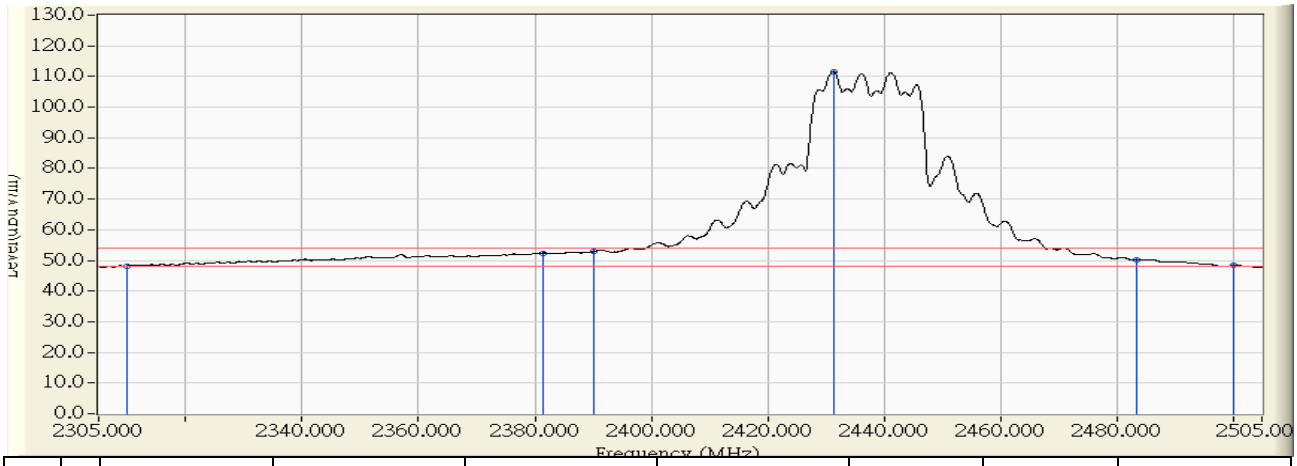


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	32.316	61.100	-12.900	74.000	PEAK
2		2386.900	29.710	38.516	68.226	-5.774	74.000	PEAK
3		2390.000	29.747	36.304	66.051	-7.949	74.000	PEAK
4	*	2441.100	30.363	92.345	122.707	48.707	74.000	PEAK
5		2483.500	30.830	36.419	67.249	-6.751	74.000	PEAK
6		2500.000	30.860	30.392	61.251	-12.749	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 : 2016/07/07 - 16:11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2437MHz**

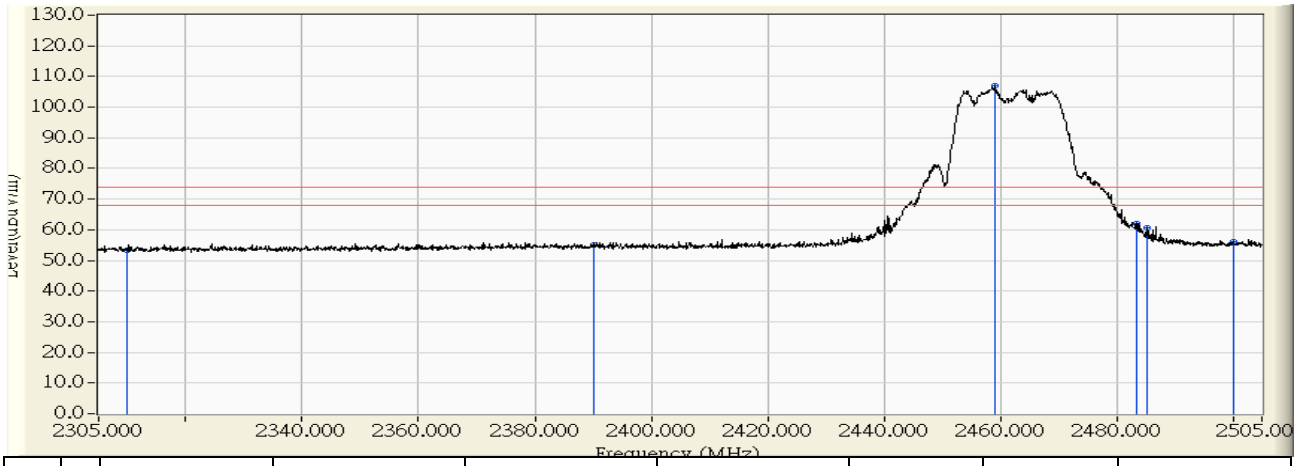


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	19.383	48.167	-5.833	54.000	AVERAGE
2		2381.300	29.642	22.808	52.450	-1.550	54.000	AVERAGE
3		2390.000	29.747	23.060	52.807	-1.193	54.000	AVERAGE
4	*	2431.300	30.244	81.138	111.382	57.382	54.000	AVERAGE
5		2483.500	30.830	19.353	50.183	-3.817	54.000	AVERAGE
6		2500.000	30.860	17.505	48.364	-5.636	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 : 2016/07/07 - 17:02**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2462MHz**

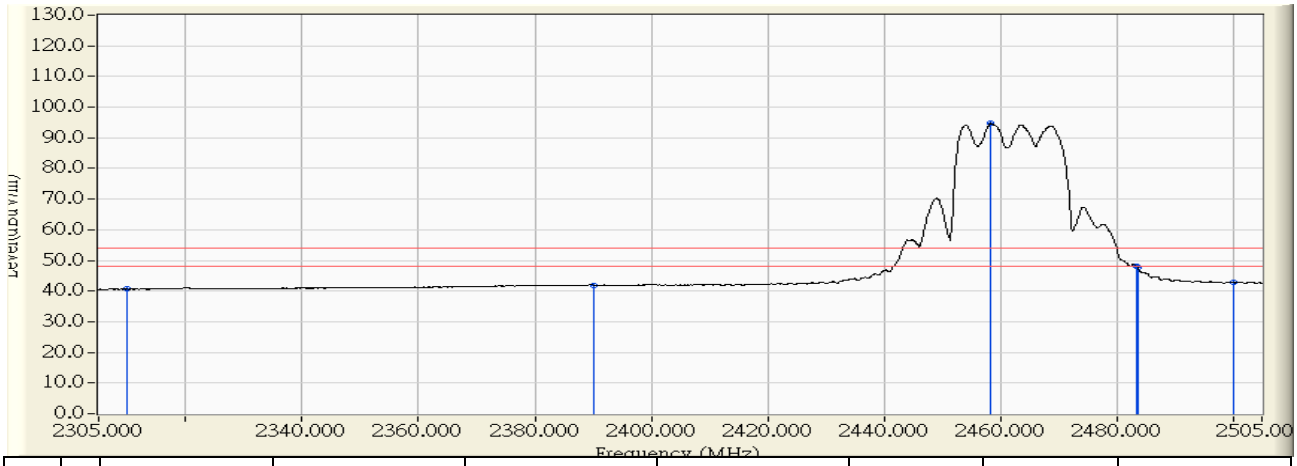


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	25.050	53.180	-20.820	74.000	PEAK
2		2390.000	28.933	26.157	55.090	-18.910	74.000	PEAK
3	*	2459.200	29.628	77.221	106.849	32.849	74.000	PEAK
4		2483.500	29.829	32.258	62.087	-11.913	74.000	PEAK
5		2485.300	29.830	30.780	60.610	-13.390	74.000	PEAK
6		2500.000	29.826	26.266	56.091	-17.909	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 : 2016/07/07 - 17:03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2462MHz**

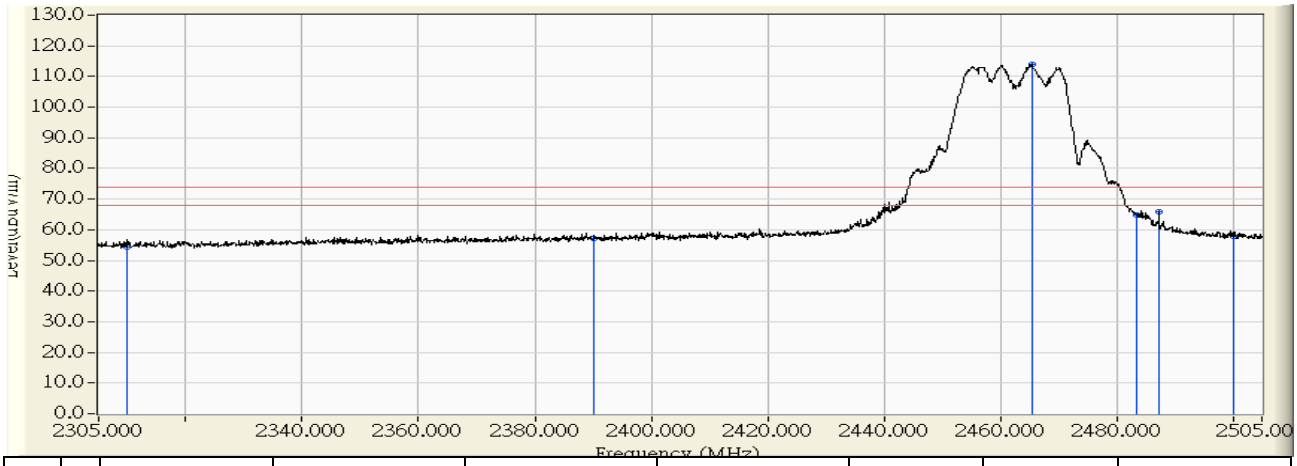


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.514	40.644	-13.356	54.000	AVERAGE
2		2390.000	28.933	13.055	41.988	-12.012	54.000	AVERAGE
3	*	2458.400	29.620	65.040	94.660	40.660	54.000	AVERAGE
4		2483.500	29.829	18.290	48.119	-5.881	54.000	AVERAGE
5		2483.700	29.830	17.822	47.651	-6.349	54.000	AVERAGE
6		2500.000	29.826	12.887	42.712	-11.288	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 : 2016/07/07 - 16:59**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2462MHz**

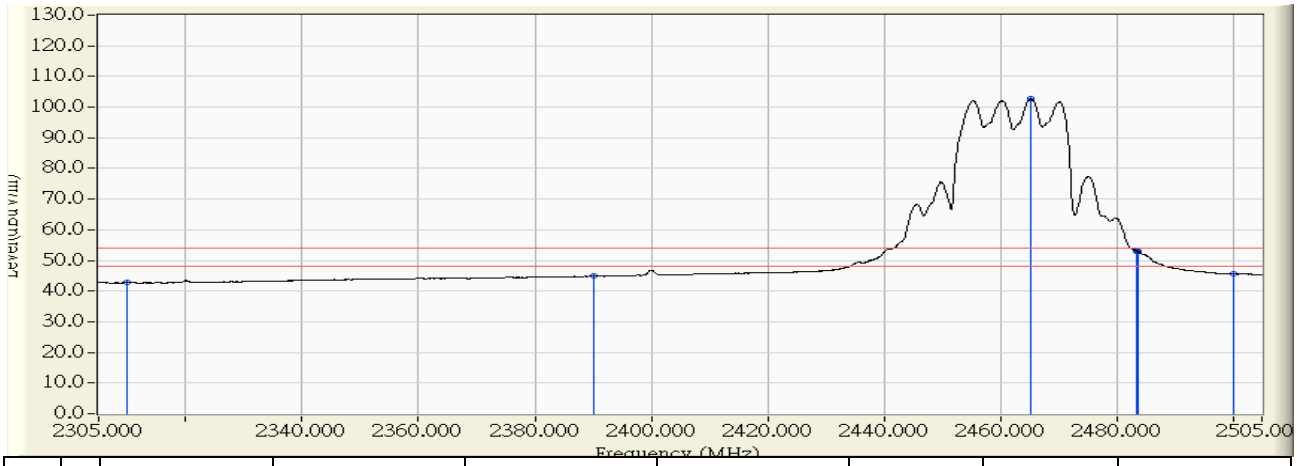


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	25.757	54.541	-19.459	74.000	PEAK
2		2390.000	29.747	27.524	57.271	-16.729	74.000	PEAK
3	*	2465.400	30.655	83.321	113.976	39.976	74.000	PEAK
4		2483.500	30.830	34.075	64.905	-9.095	74.000	PEAK
5		2487.300	30.839	35.165	66.005	-7.995	74.000	PEAK
6		2500.000	30.860	27.136	57.995	-16.005	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 : 2016/07/07 - 16:58**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(20M)_2462MHz**

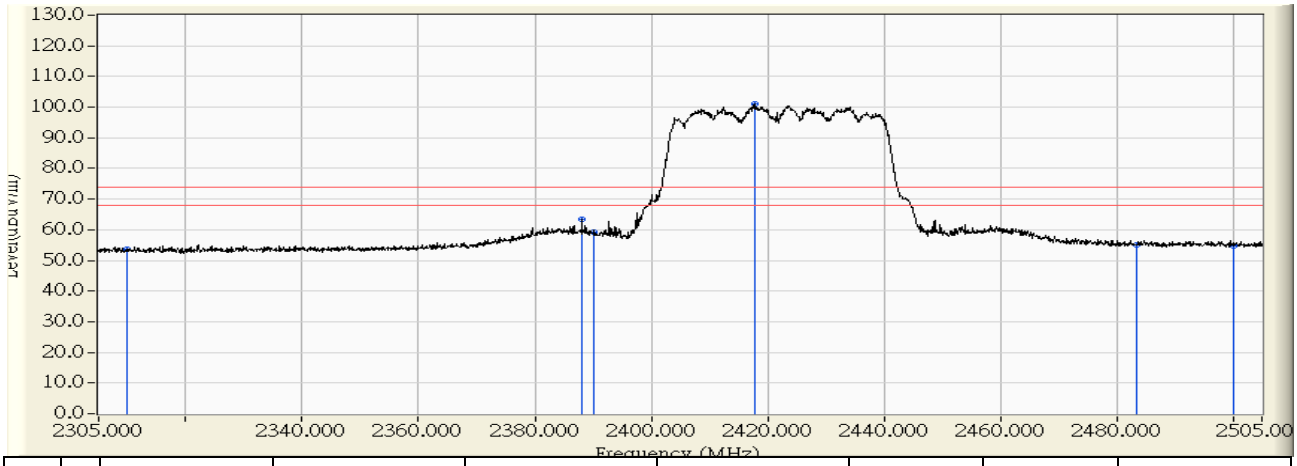


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	13.995	42.779	-11.221	54.000	AVERAGE
2		2390.000	29.747	15.284	45.031	-8.969	54.000	AVERAGE
3	*	2465.300	30.654	72.008	102.662	48.662	54.000	AVERAGE
4		2483.500	30.830	22.139	52.969	-1.031	54.000	AVERAGE
5		2483.600	30.831	22.030	52.860	-1.140	54.000	AVERAGE
6		2500.000	30.860	14.920	45.779	-8.221	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/07/07 - 17:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2422MHz**

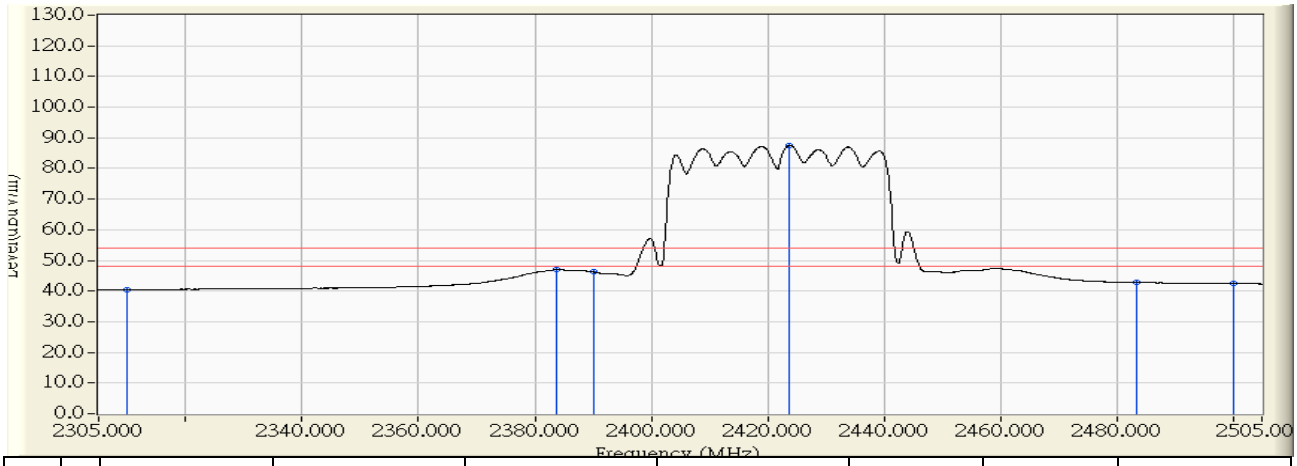


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	25.370	53.500	-20.500	74.000	PEAK
2		2388.100	28.914	34.636	63.550	-10.450	74.000	PEAK
3		2390.000	28.933	30.153	59.086	-14.914	74.000	PEAK
4	*	2417.900	29.214	71.837	101.050	27.050	74.000	PEAK
5		2483.500	29.829	25.249	55.078	-18.922	74.000	PEAK
6		2500.000	29.826	25.013	54.838	-19.162	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 : 2016/07/07 - 17:43**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2422MHz**

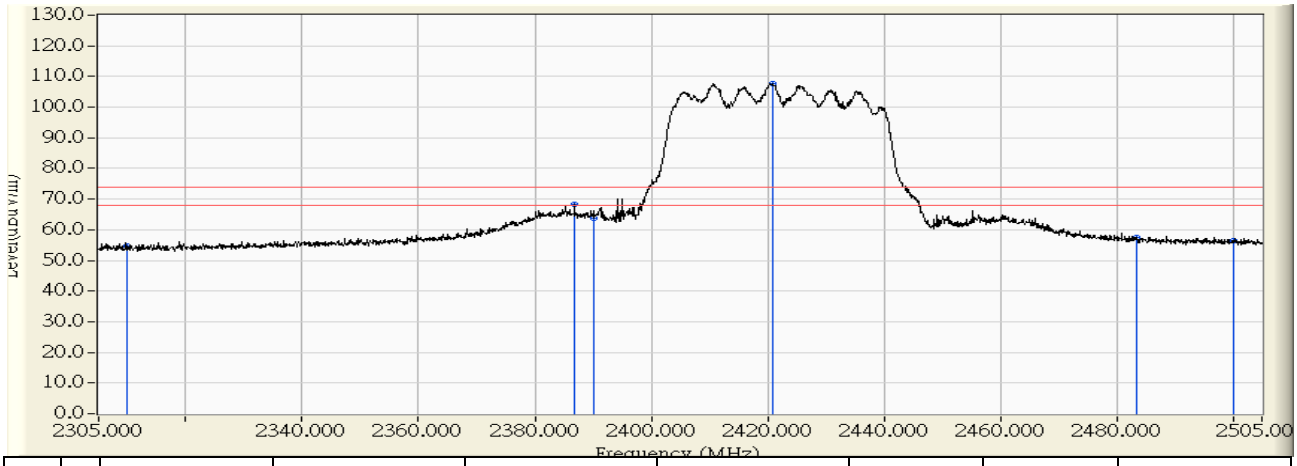


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.330	40.460	-13.540	54.000	AVERAGE
2		2383.600	28.869	18.079	46.948	-7.052	54.000	AVERAGE
3		2390.000	28.933	17.302	46.235	-7.765	54.000	AVERAGE
4	*	2423.800	29.273	58.268	87.541	33.541	54.000	AVERAGE
5		2483.500	29.829	12.944	42.773	-11.227	54.000	AVERAGE
6		2500.000	29.826	12.660	42.485	-11.515	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 : 2016/07/07 - 17:38**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2422MHz**

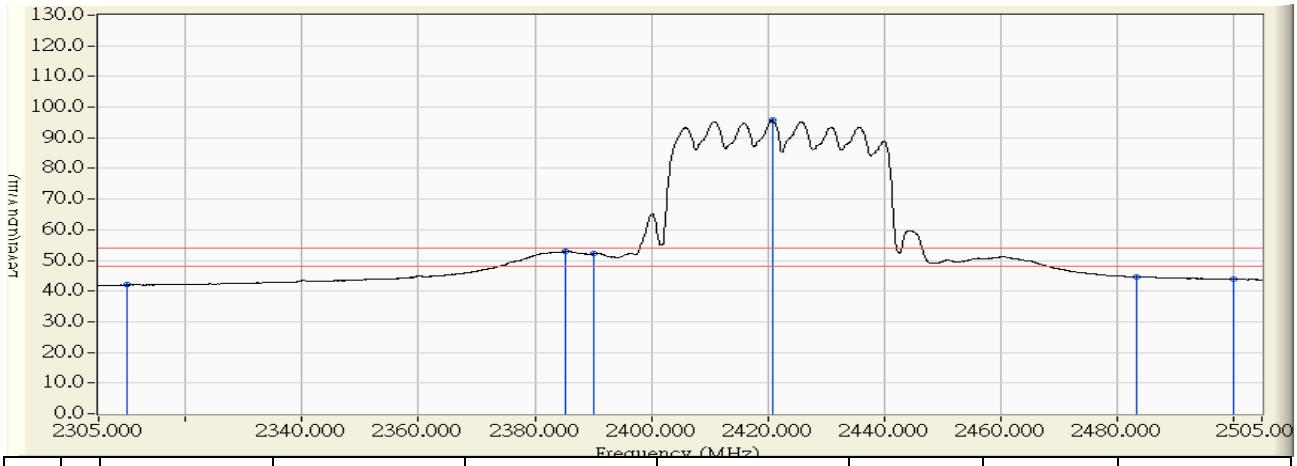


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	25.938	54.722	-19.278	74.000	PEAK
2		2386.800	29.708	38.635	68.344	-5.656	74.000	PEAK
3		2390.000	29.747	34.077	63.824	-10.176	74.000	PEAK
4	*	2420.800	30.118	77.609	107.727	33.727	74.000	PEAK
5		2483.500	30.830	26.520	57.350	-16.650	74.000	PEAK
6		2500.000	30.860	25.731	56.590	-17.410	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 : 2016/07/07 - 17:36**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2422MHz**

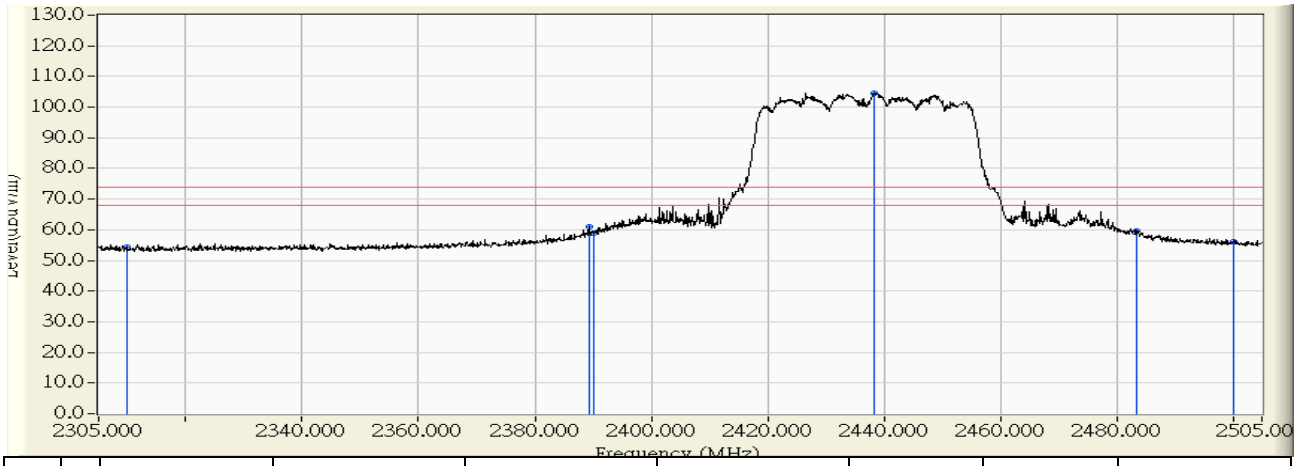


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	13.248	42.032	-11.968	54.000	AVERAGE
2		2385.200	29.690	23.167	52.856	-1.144	54.000	AVERAGE
3		2390.000	29.747	22.412	52.159	-1.841	54.000	AVERAGE
4	*	2420.800	30.118	65.636	95.754	41.754	54.000	AVERAGE
5		2483.500	30.830	13.808	44.638	-9.362	54.000	AVERAGE
6		2500.000	30.860	13.168	44.027	-9.973	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2016/07/07 - 17:57**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2437MHz**

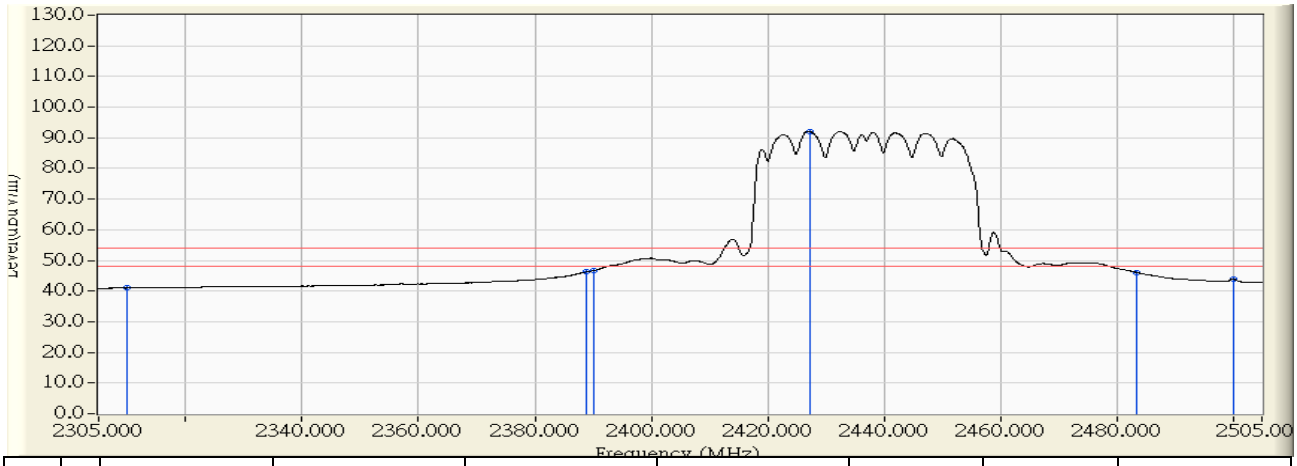


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	26.208	54.338	-19.662	74.000	PEAK
2		2389.300	28.926	32.201	61.127	-12.873	74.000	PEAK
3		2390.000	28.933	29.967	58.900	-15.100	74.000	PEAK
4	*	2438.400	29.419	75.283	104.702	30.702	74.000	PEAK
5		2483.500	29.829	29.798	59.627	-14.373	74.000	PEAK
6		2500.000	29.826	26.265	56.090	-17.910	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 : 2016/07/07 - 18:00**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2437MHz**

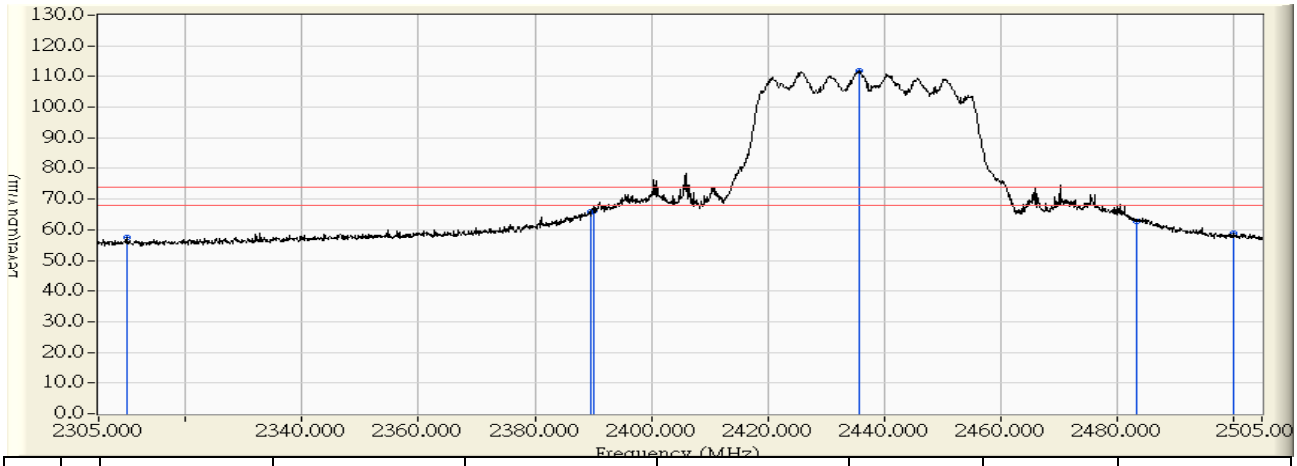


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.852	40.982	-13.018	54.000	AVERAGE
2		2388.800	28.921	17.299	46.220	-7.780	54.000	AVERAGE
3		2390.000	28.933	17.632	46.565	-7.435	54.000	AVERAGE
4	*	2427.200	29.307	62.783	92.090	38.090	54.000	AVERAGE
5		2483.500	29.829	16.200	46.029	-7.971	54.000	AVERAGE
6		2500.000	29.826	14.089	43.914	-10.086	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 : 2016/07/07 - 17:53**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2437MHz**

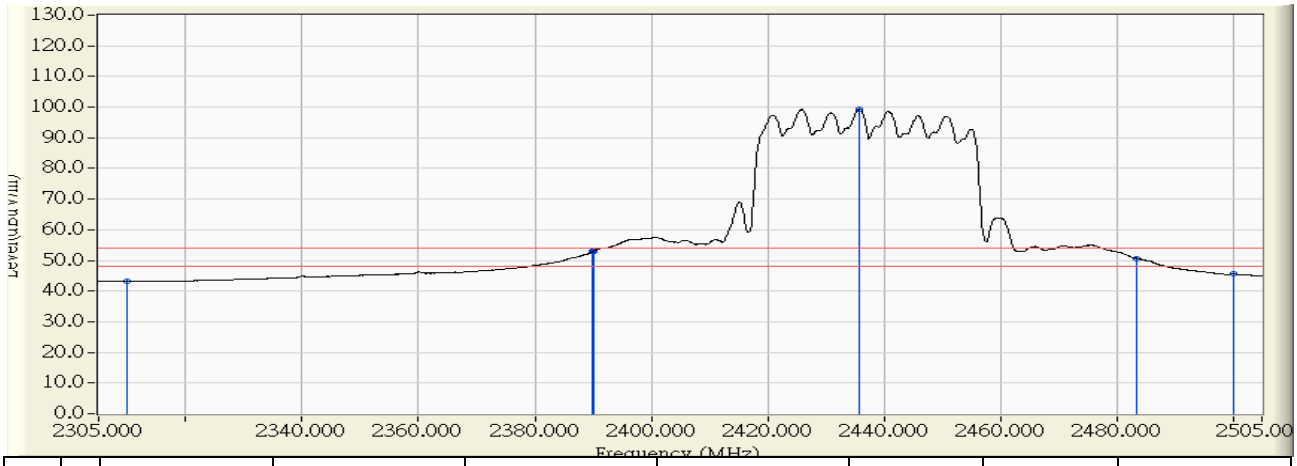


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	28.582	57.366	-16.634	74.000	PEAK
2		2389.600	29.742	36.244	65.986	-8.014	74.000	PEAK
3		2390.000	29.747	36.551	66.298	-7.702	74.000	PEAK
4	*	2435.700	30.298	81.427	111.724	37.724	74.000	PEAK
5		2483.500	30.830	32.013	62.843	-11.157	74.000	PEAK
6		2500.000	30.860	27.882	58.741	-15.259	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 : 2016/07/07 - 17:52**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2437MHz**

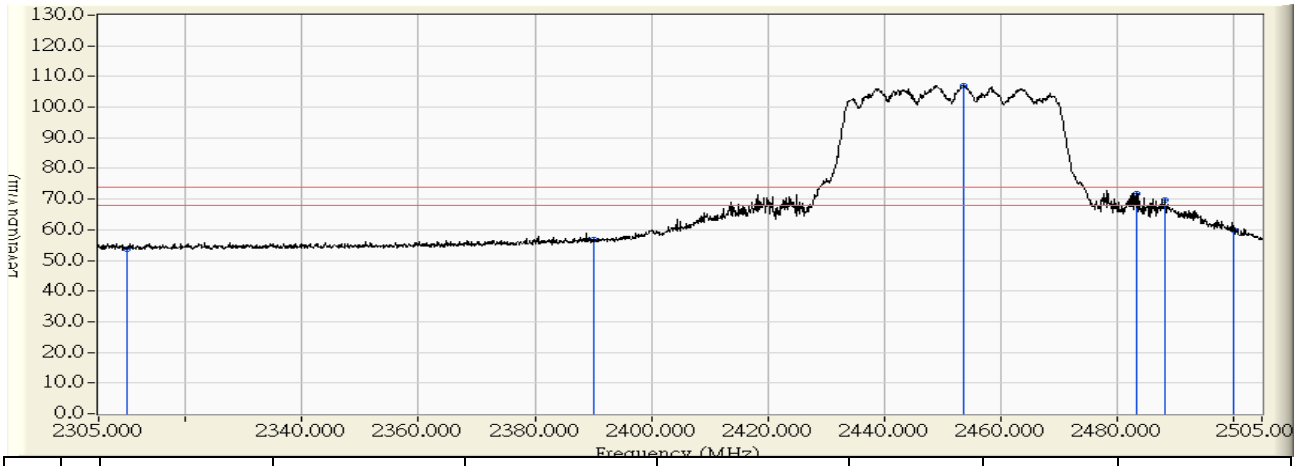


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	14.385	43.169	-10.831	54.000	AVERAGE
2		2389.900	29.746	23.085	52.831	-1.169	54.000	AVERAGE
3		2390.000	29.747	23.169	52.916	-1.084	54.000	AVERAGE
4	*	2435.800	30.299	69.007	99.306	45.306	54.000	AVERAGE
5		2483.500	30.830	19.868	50.698	-3.302	54.000	AVERAGE
6		2500.000	30.860	14.732	45.591	-8.409	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 : 2016/07/07 - 18:34**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2452MHz**

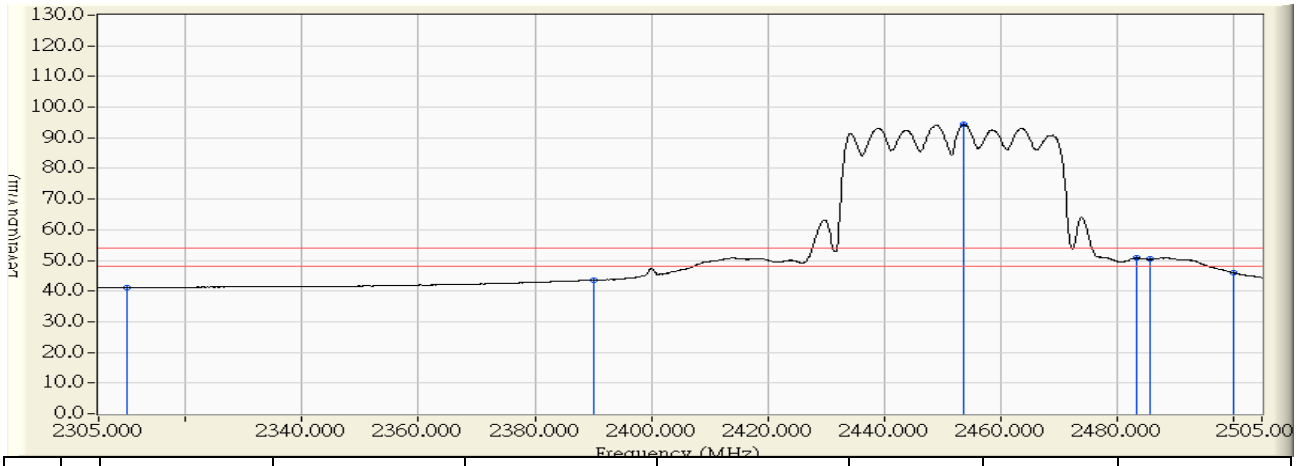


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	25.715	53.845	-20.155	74.000	PEAK
2		2390.000	28.933	27.705	56.638	-17.362	74.000	PEAK
3	*	2453.700	29.573	77.526	107.099	33.099	74.000	PEAK
4		2483.500	29.829	42.053	71.882	-2.118	74.000	PEAK
5		2488.300	29.832	39.976	69.807	-4.193	74.000	PEAK
6		2500.000	29.826	29.979	59.804	-14.196	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 : 2016/07/07 - 18:35**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2452MHz**

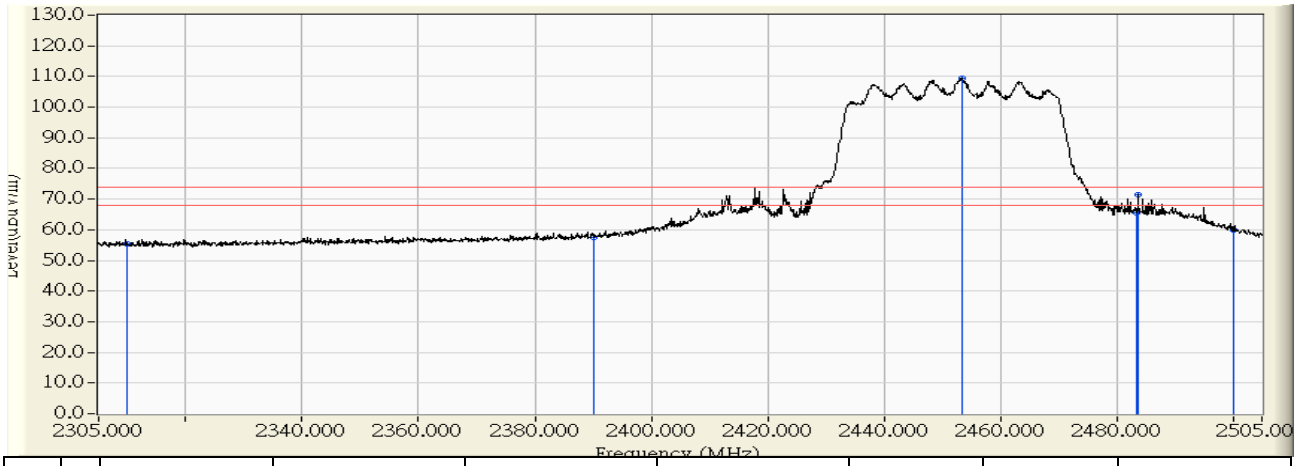


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.130	12.967	41.097	-12.903	54.000	AVERAGE
2		2390.000	28.933	14.627	43.560	-10.440	54.000	AVERAGE
3	*	2453.700	29.573	64.751	94.324	40.324	54.000	AVERAGE
4		2483.500	29.829	20.943	50.772	-3.228	54.000	AVERAGE
5		2485.700	29.830	20.545	50.375	-3.625	54.000	AVERAGE
6		2500.000	29.826	16.124	45.949	-8.051	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 : 2016/07/07 - 18:24**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326** **802.11n(40M)_2452MHz**

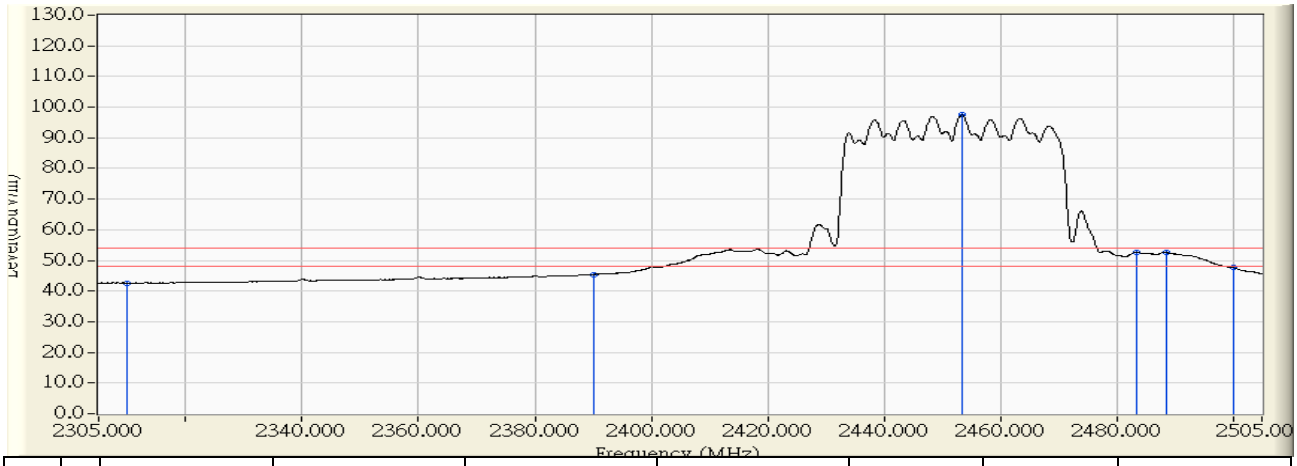


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	26.490	55.274	-18.726	74.000	PEAK
2		2390.000	29.747	27.760	57.507	-16.493	74.000	PEAK
3	*	2453.500	30.512	78.855	109.367	35.367	74.000	PEAK
4		2483.500	30.830	34.639	65.469	-8.531	74.000	PEAK
5		2483.700	30.831	40.608	71.439	-2.561	74.000	PEAK
6		2500.000	30.860	29.237	60.096	-13.904	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 : 2016/07/07 - 18:22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G_H2 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Gigabit Router Dual-band Wireless-N900	**Note : Mode 1: Transmit_2.4 PA: Richwace; ADP: AD890326 802.11n(40M)_2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.784	13.889	42.673	-11.327	54.000	AVERAGE
2		2390.000	29.747	15.686	45.433	-8.567	54.000	AVERAGE
3	*	2453.500	30.512	66.929	97.441	43.441	54.000	AVERAGE
4		2483.500	30.830	21.941	52.771	-1.229	54.000	AVERAGE
5		2488.500	30.843	21.724	52.566	-1.434	54.000	AVERAGE
6		2500.000	30.860	16.835	47.694	-6.306	54.000	AVERAGE

Note:

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

7. DTS Bandwidth

7.1. Test Equipment

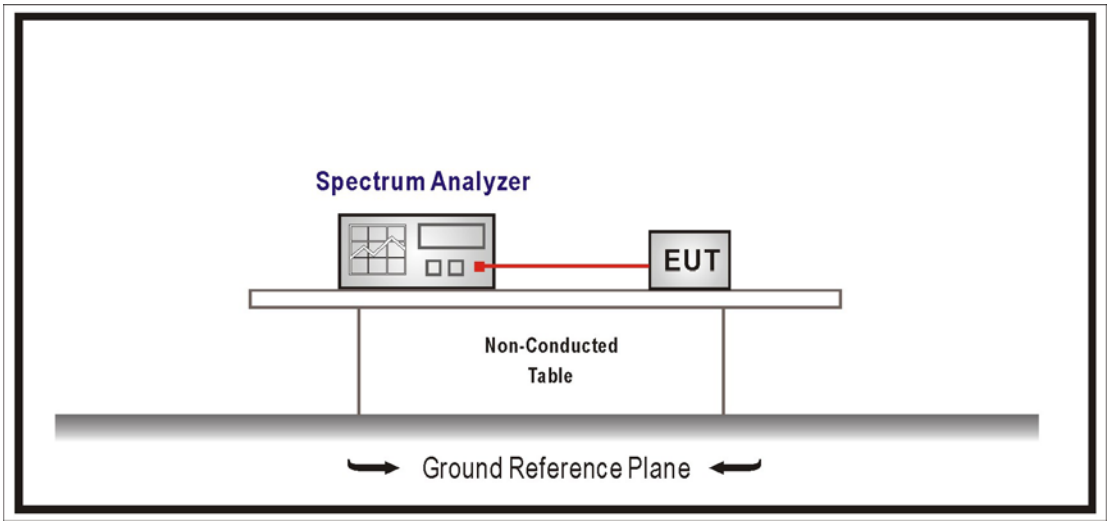
The following test equipments are used during the test:

DTS Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2016/08/23
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05
Signal Analyzer	R&S	FSV7	101650	2016/11/30

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

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.10; tested procedure section 8.1 of KDB558074 V03R05 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100KHz, Set the 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: 2015

7.6. Uncertainty

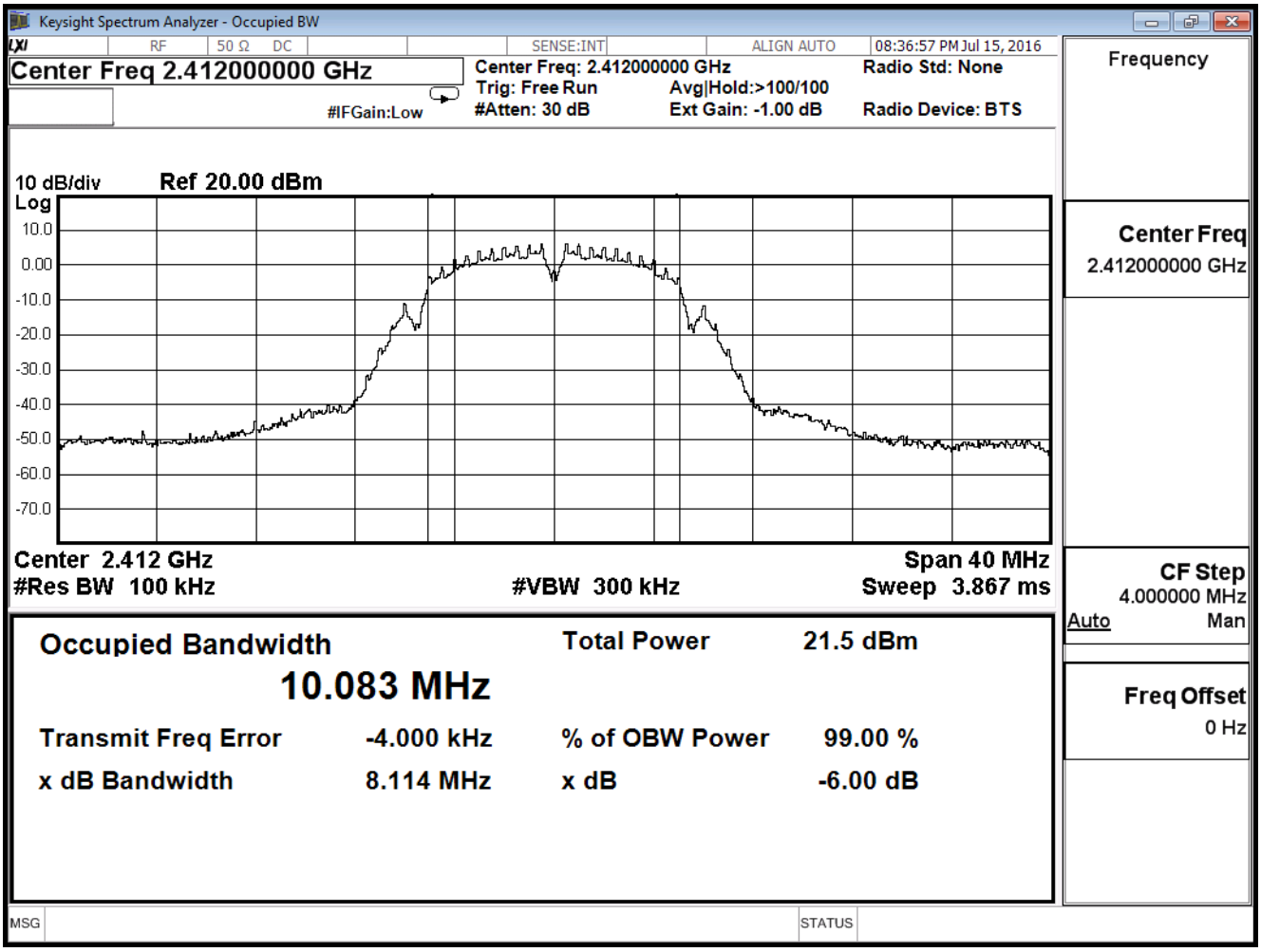
The measurement uncertainty is defined as ±150Hz

7.7. Test Result

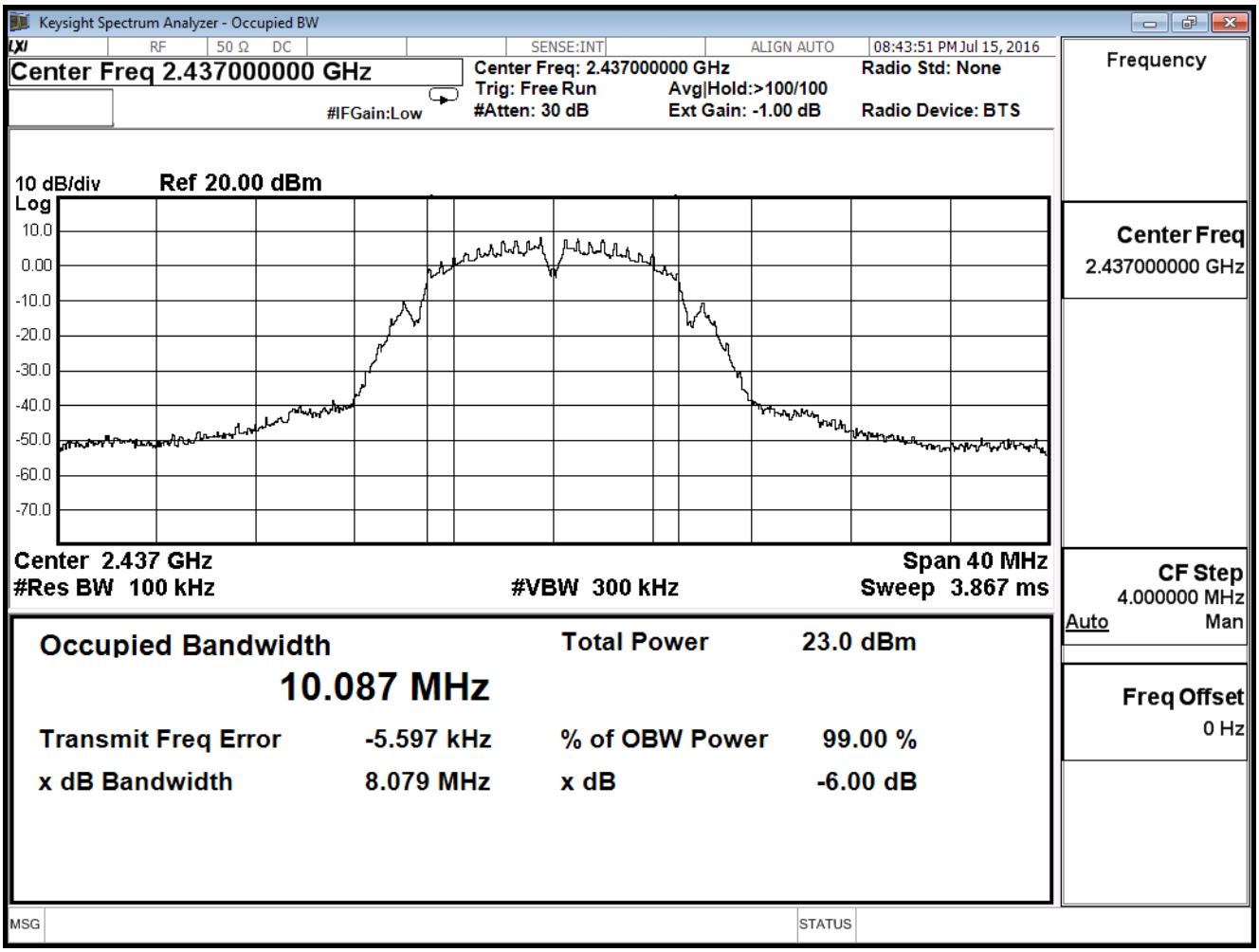
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

802.11 b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	8.11	≧0.5	Pass
6	2437	8.08	≧0.5	Pass
11	2462	8.10	≧0.5	Pass

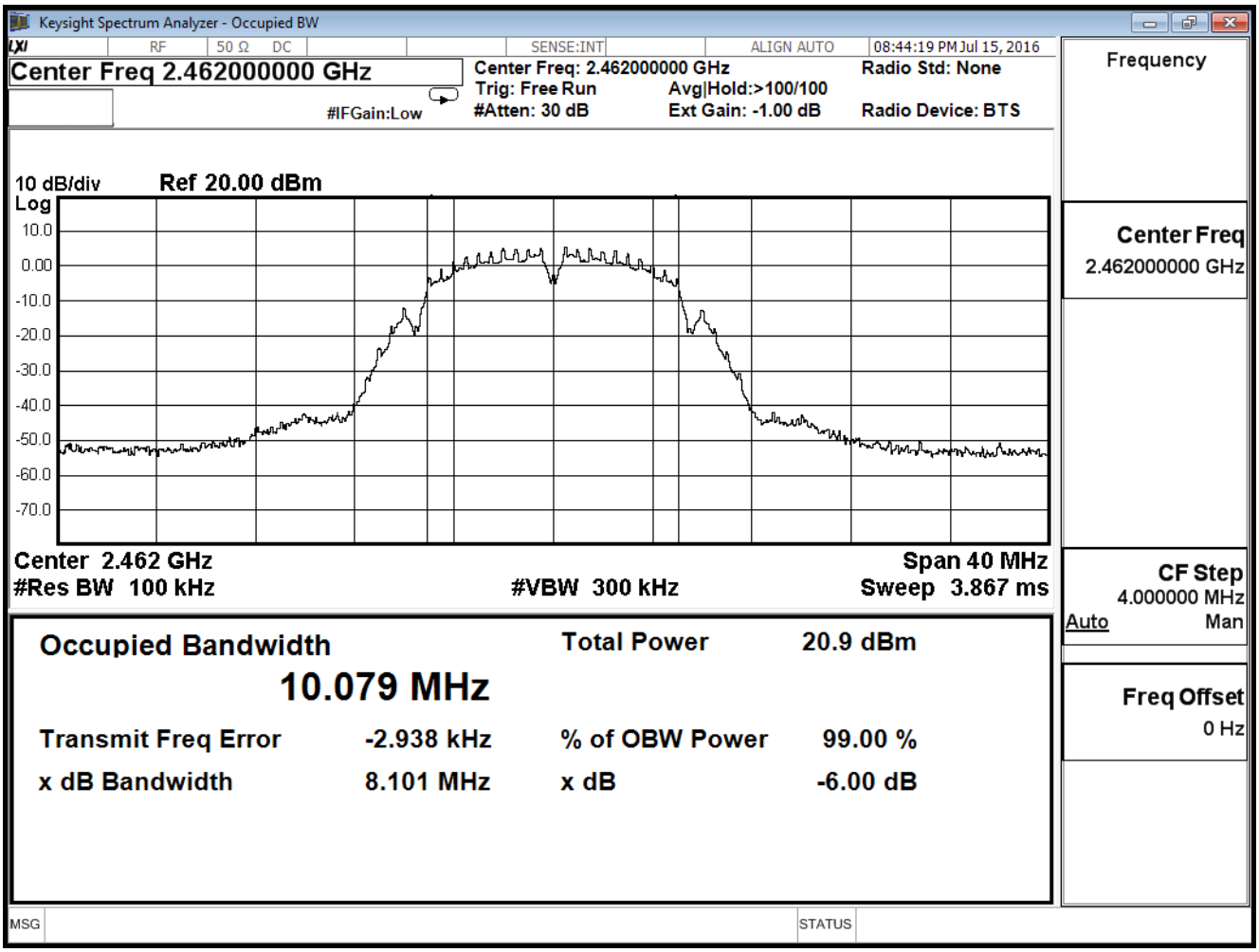
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:43:51 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
10.087 MHz
Total Power
23.0 dBm
Transmit Freq Error
-5.597 kHz
% of OBW Power
99.00 %
x dB Bandwidth
8.079 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 11

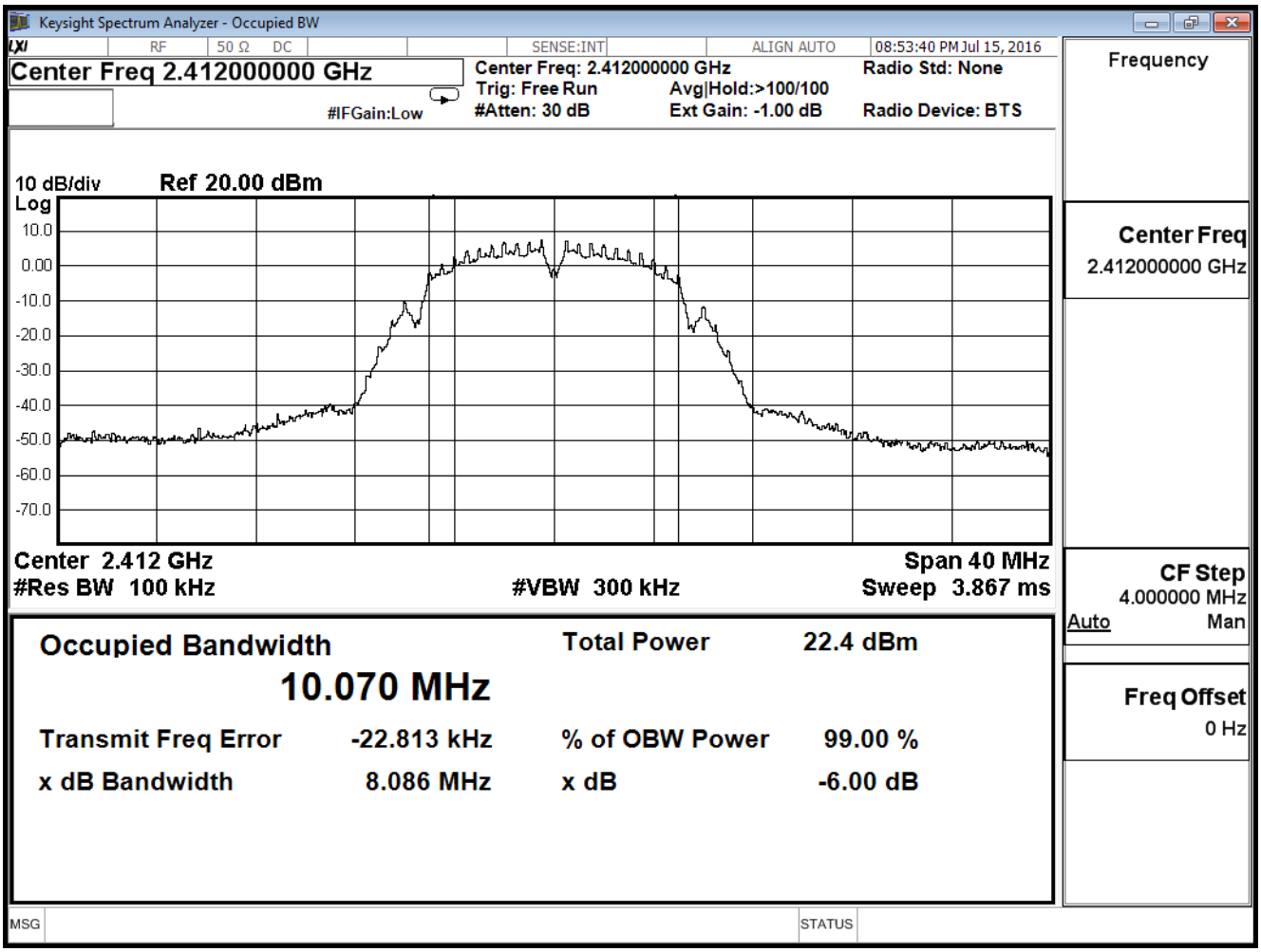

Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:44:19 PM Jul 15, 2016
Center Freq 2.462000000 GHz
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
10.079 MHz
Total Power
20.9 dBm
Transmit Freq Error
-2.938 kHz
% of OBW Power
99.00 %
x dB Bandwidth
8.101 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

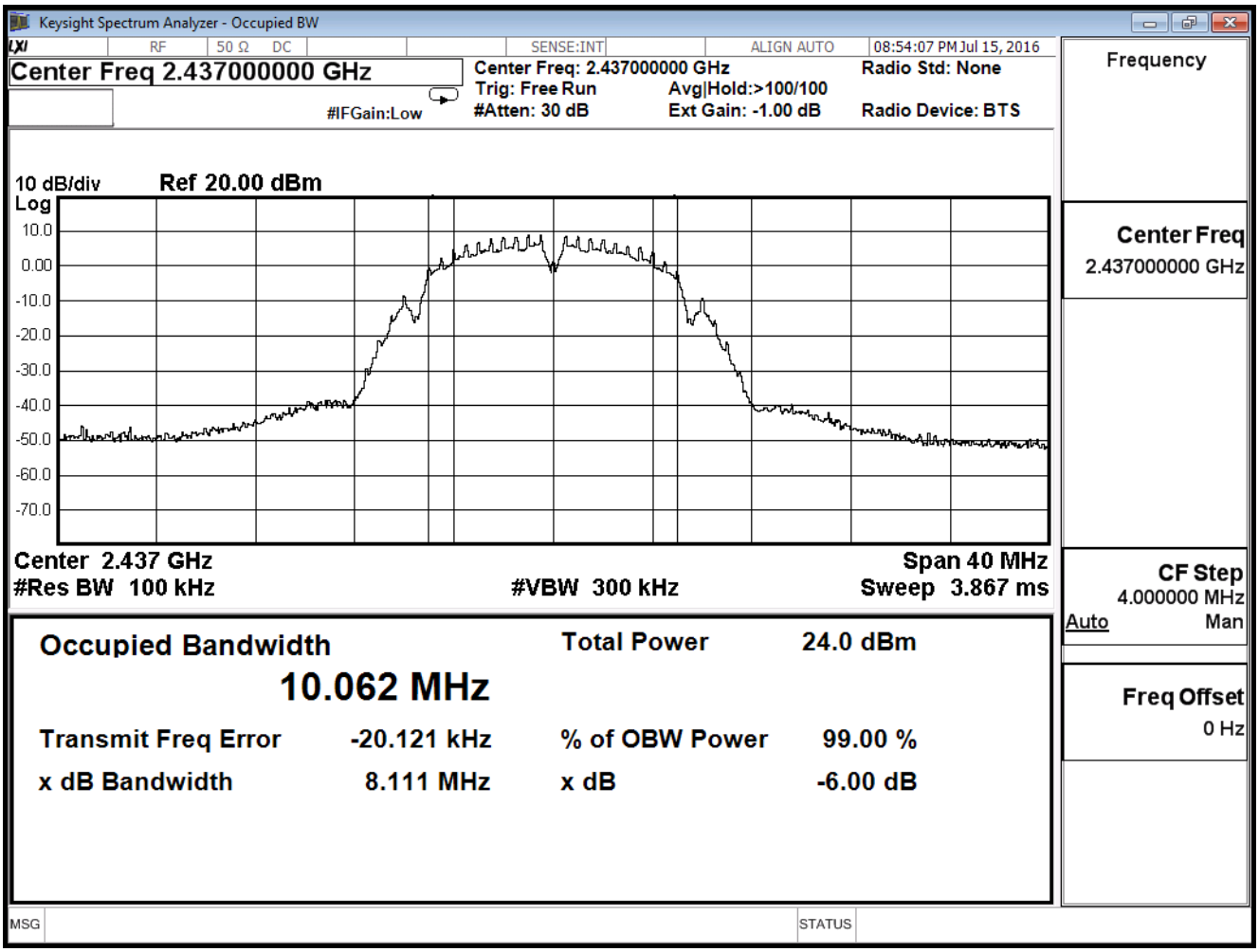
802.11 b (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	8.09	≧0.5	Pass
6	2437	8.11	≧0.5	Pass
11	2462	8.11	≧0.5	Pass

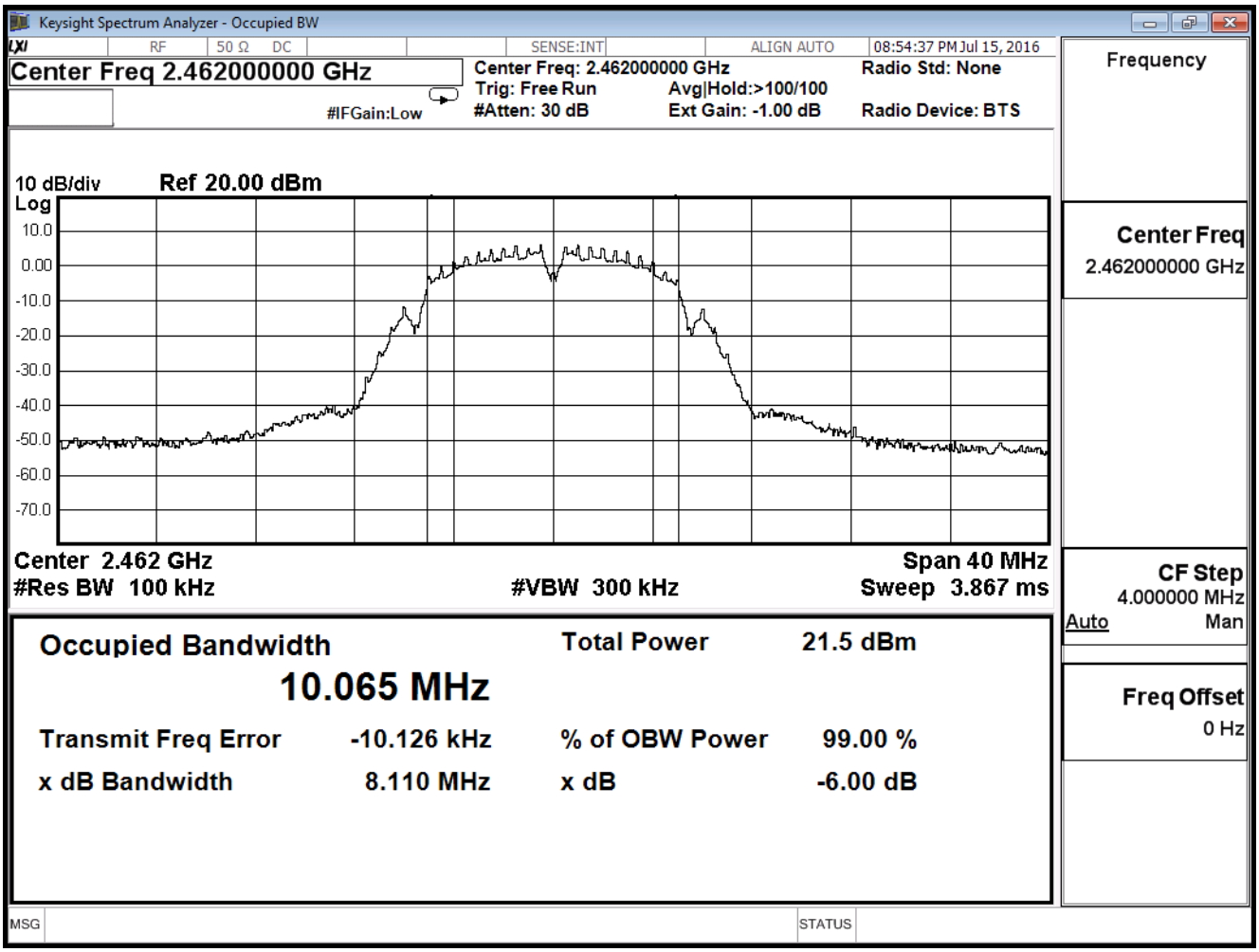
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:54:07 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
10.062 MHz
Total Power
24.0 dBm
Transmit Freq Error
-20.121 kHz
% of OBW Power
99.00 %
x dB Bandwidth
8.111 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 11

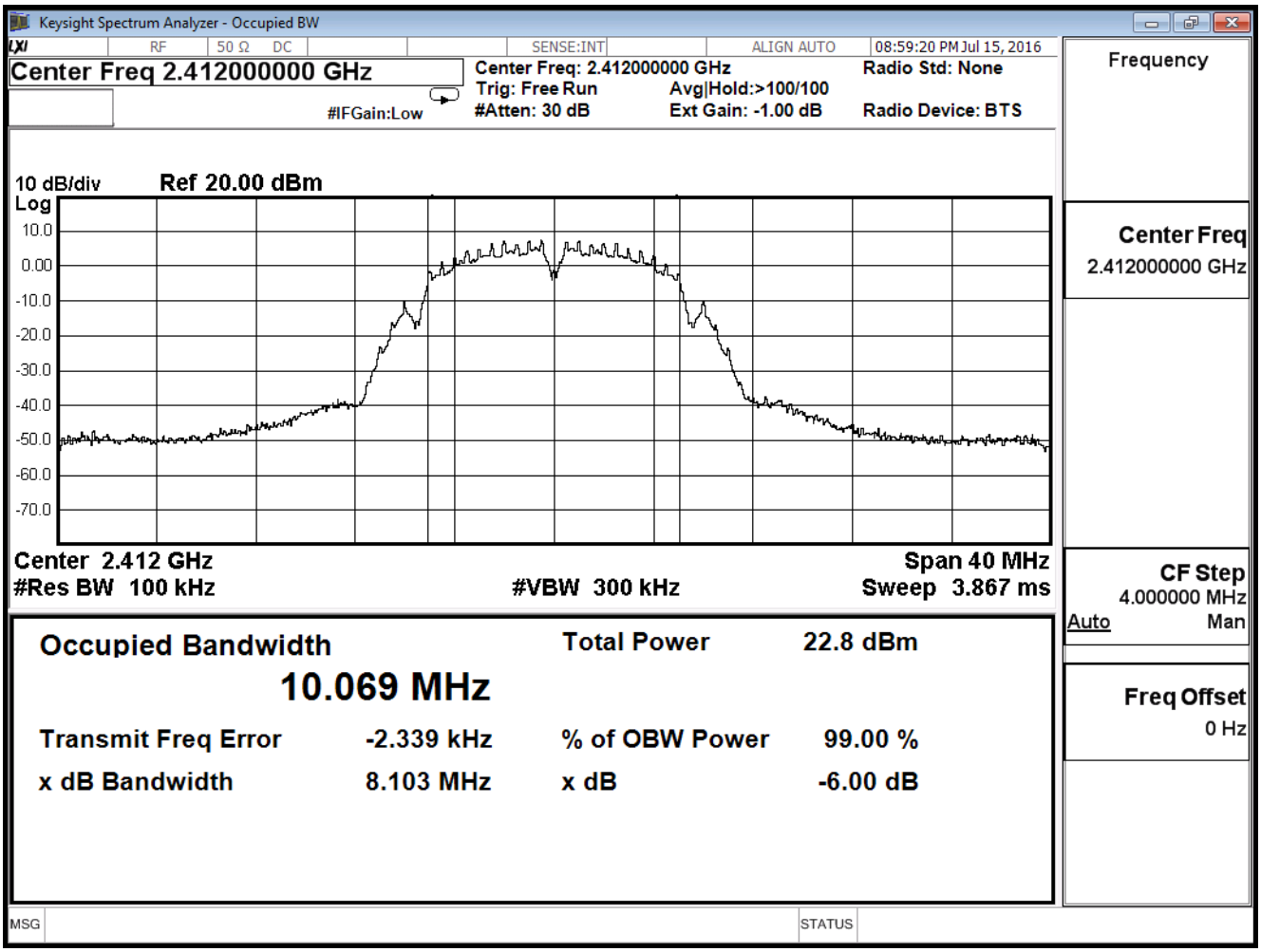

Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:54:37 PM Jul 15, 2016
Center Freq 2.462000000 GHz
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
10.065 MHz
Total Power 21.5 dBm
Transmit Freq Error -10.126 kHz
% of OBW Power 99.00 %
x dB Bandwidth 8.110 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

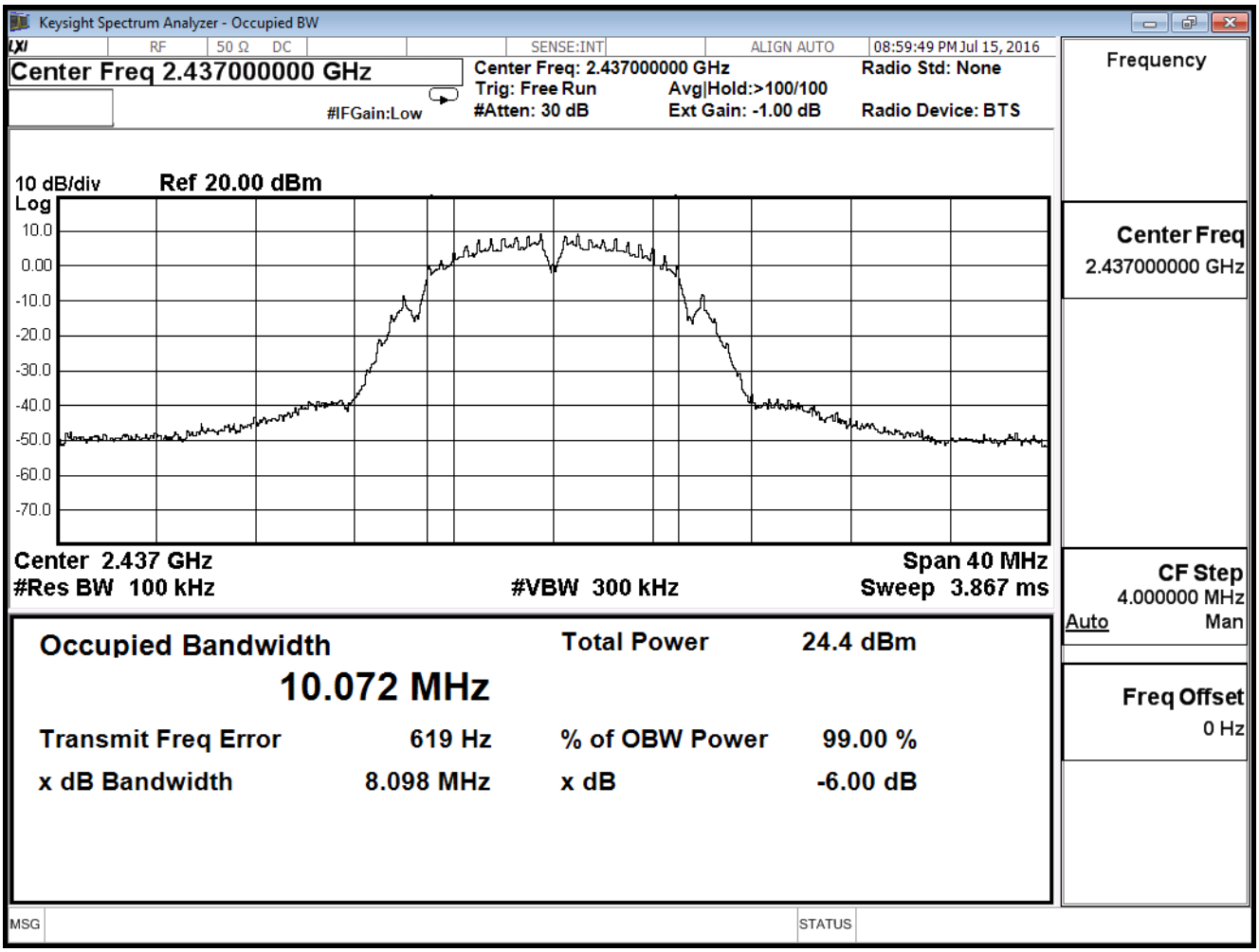
802.11 b (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	8.10	≧0.5	Pass
6	2437	8.10	≧0.5	Pass
11	2462	8.11	≧0.5	Pass

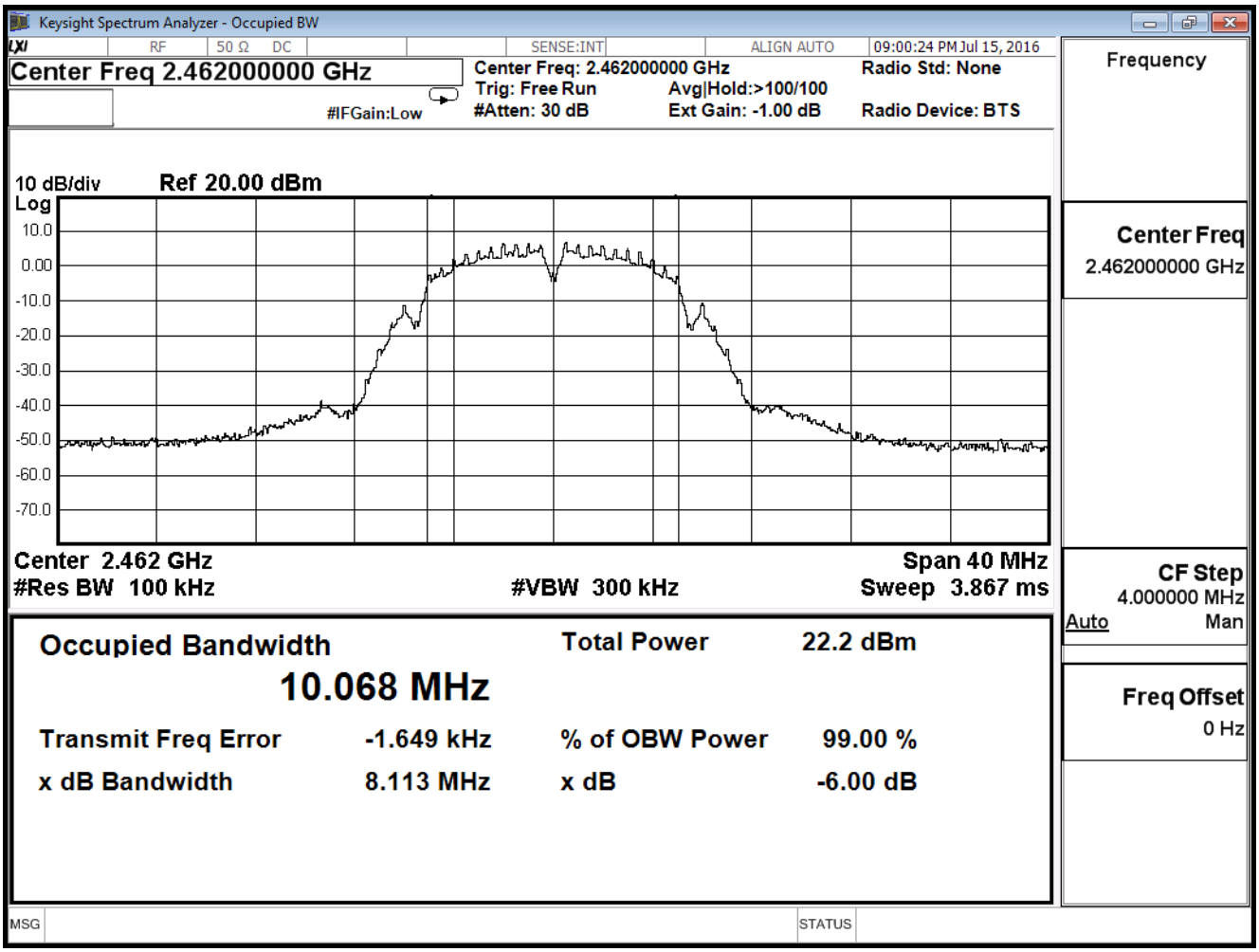
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:59:49 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
10.072 MHz
Total Power
24.4 dBm
Transmit Freq Error
619 Hz
% of OBW Power
99.00 %
x dB Bandwidth
8.098 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 11

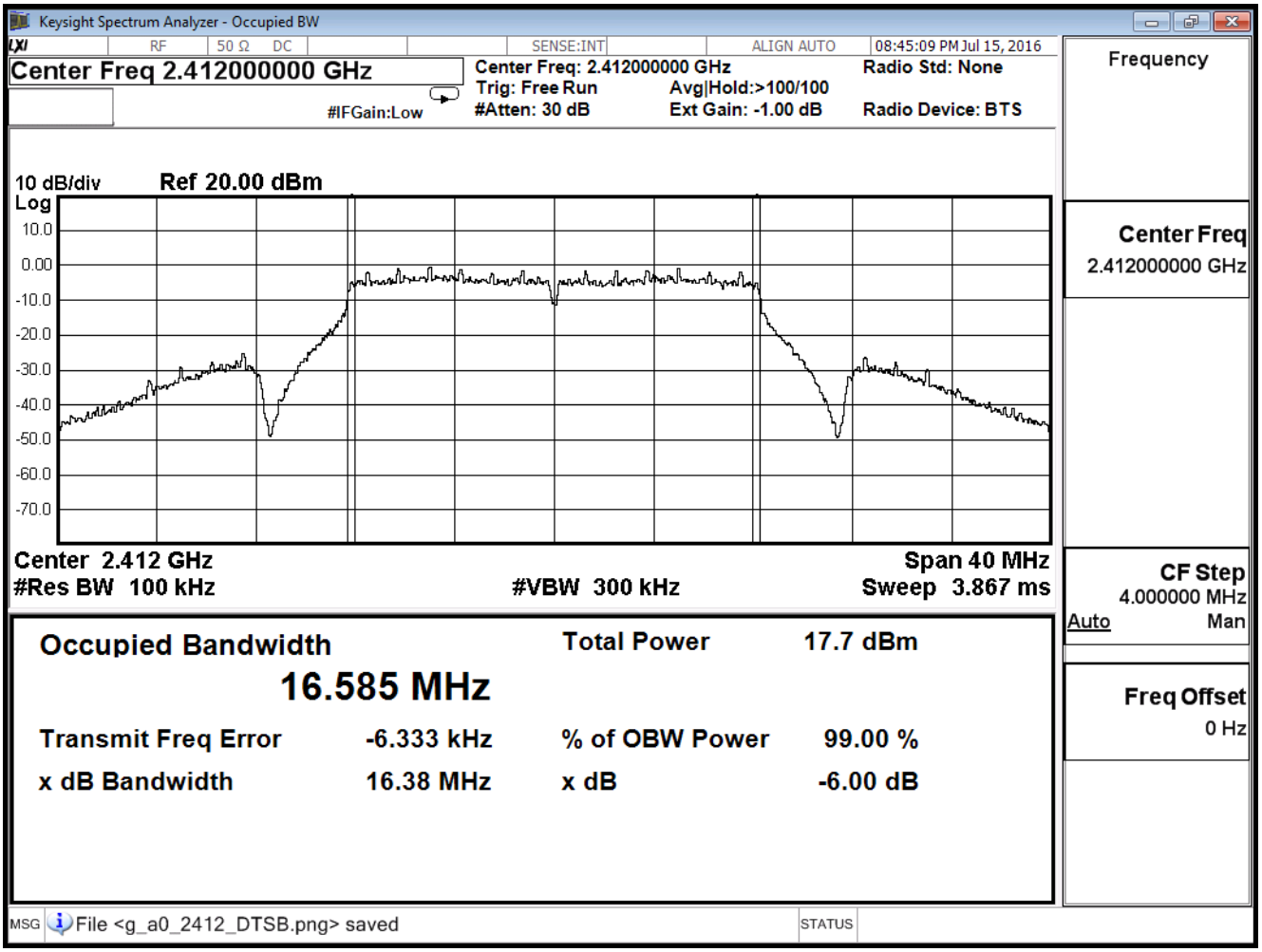

Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:00:24 PM Jul 15, 2016
Center Freq 2.462000000 GHz
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
10.068 MHz
Total Power 22.2 dBm
Transmit Freq Error -1.649 kHz
% of OBW Power 99.00 %
x dB Bandwidth 8.113 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

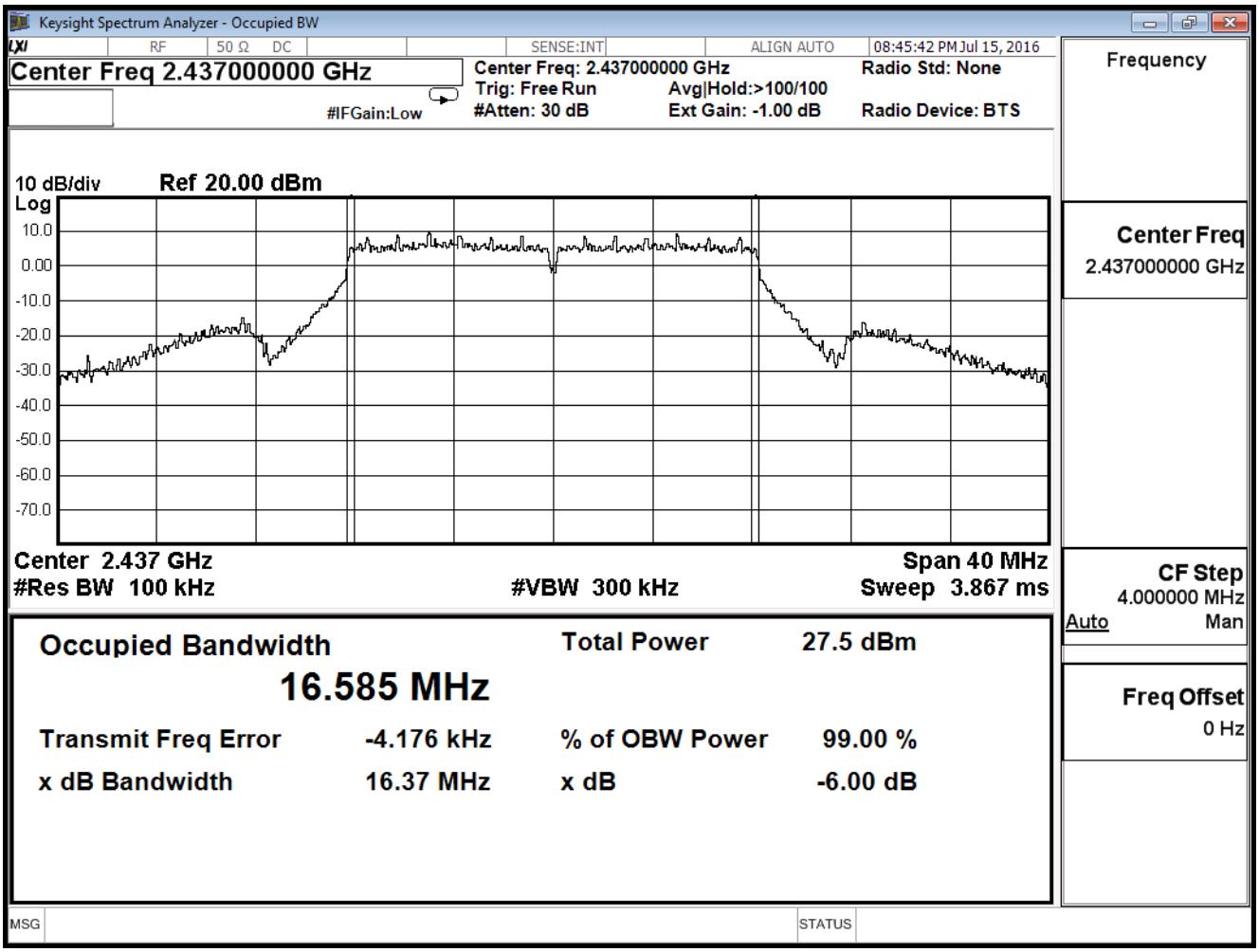
IEEE 802.11g (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.38	≧0.5	Pass
6	2437	16.37	≧0.5	Pass
11	2462	16.40	≧0.5	Pass

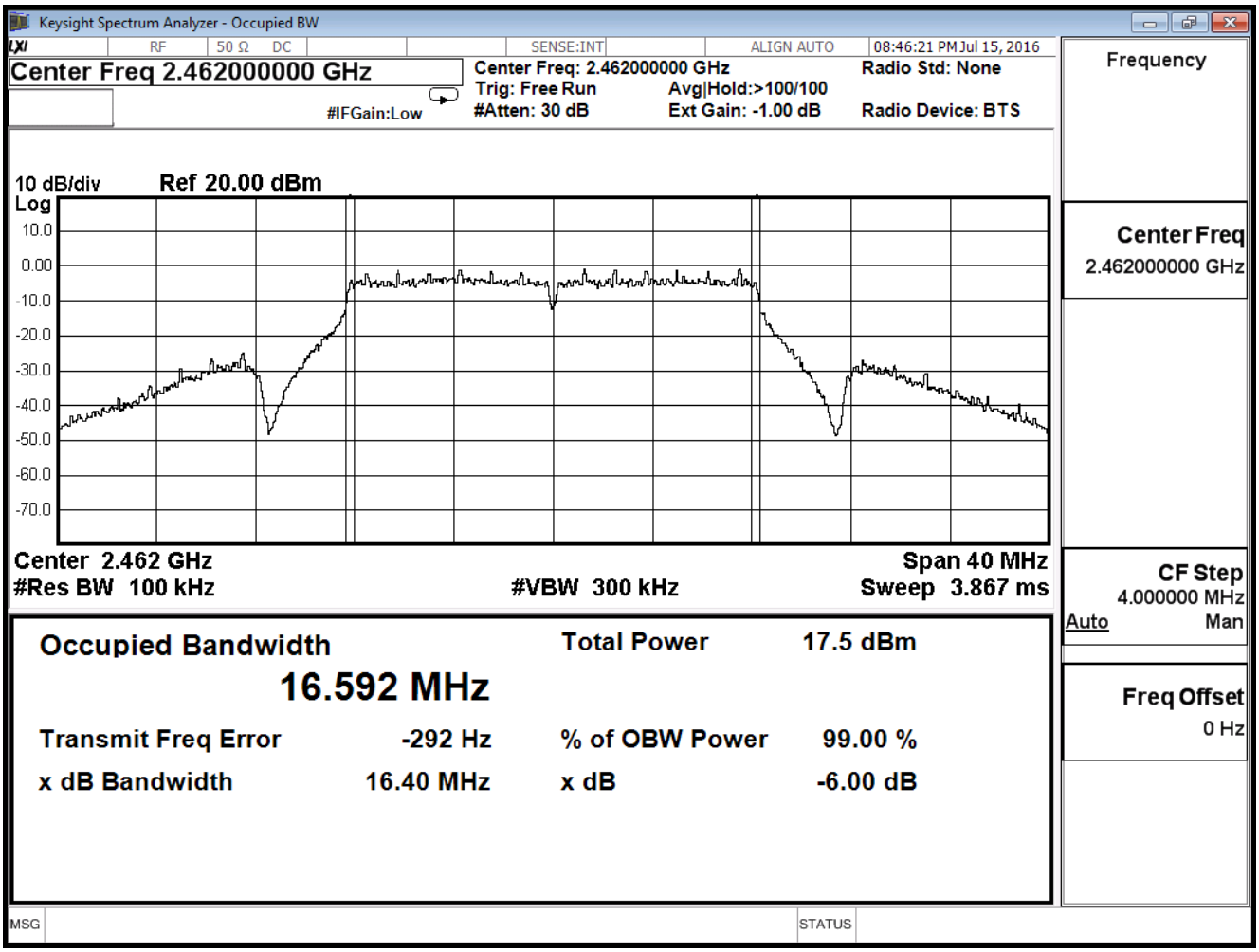
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:45:42 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
16.585 MHz
Total Power 27.5 dBm
Transmit Freq Error -4.176 kHz
% of OBW Power 99.00 %
x dB Bandwidth 16.37 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 11

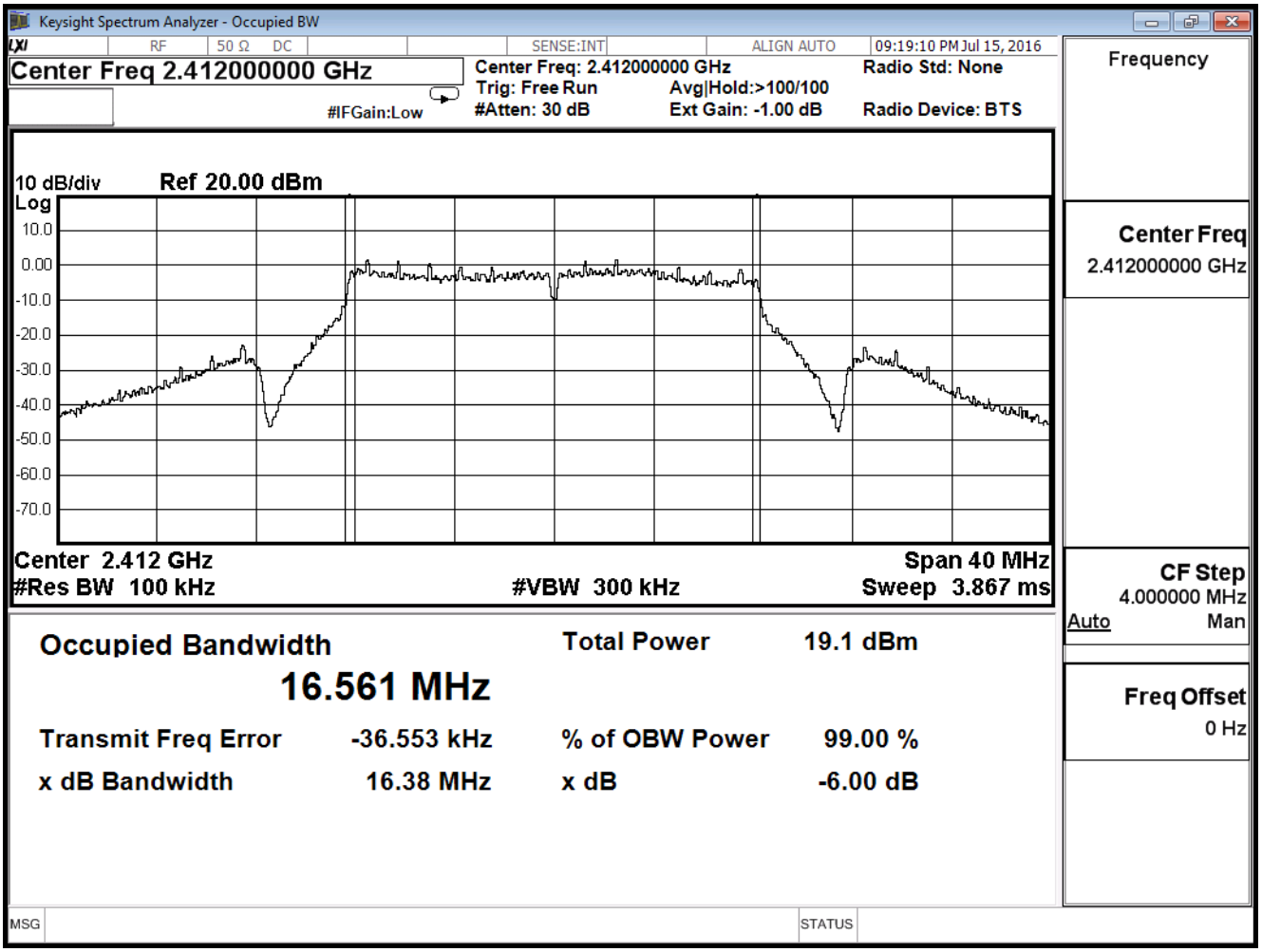

Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:46:21 PM Jul 15, 2016
Center Freq 2.462000000 GHz
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
16.592 MHz
Total Power 17.5 dBm
Transmit Freq Error -292 Hz
% of OBW Power 99.00 %
x dB Bandwidth 16.40 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

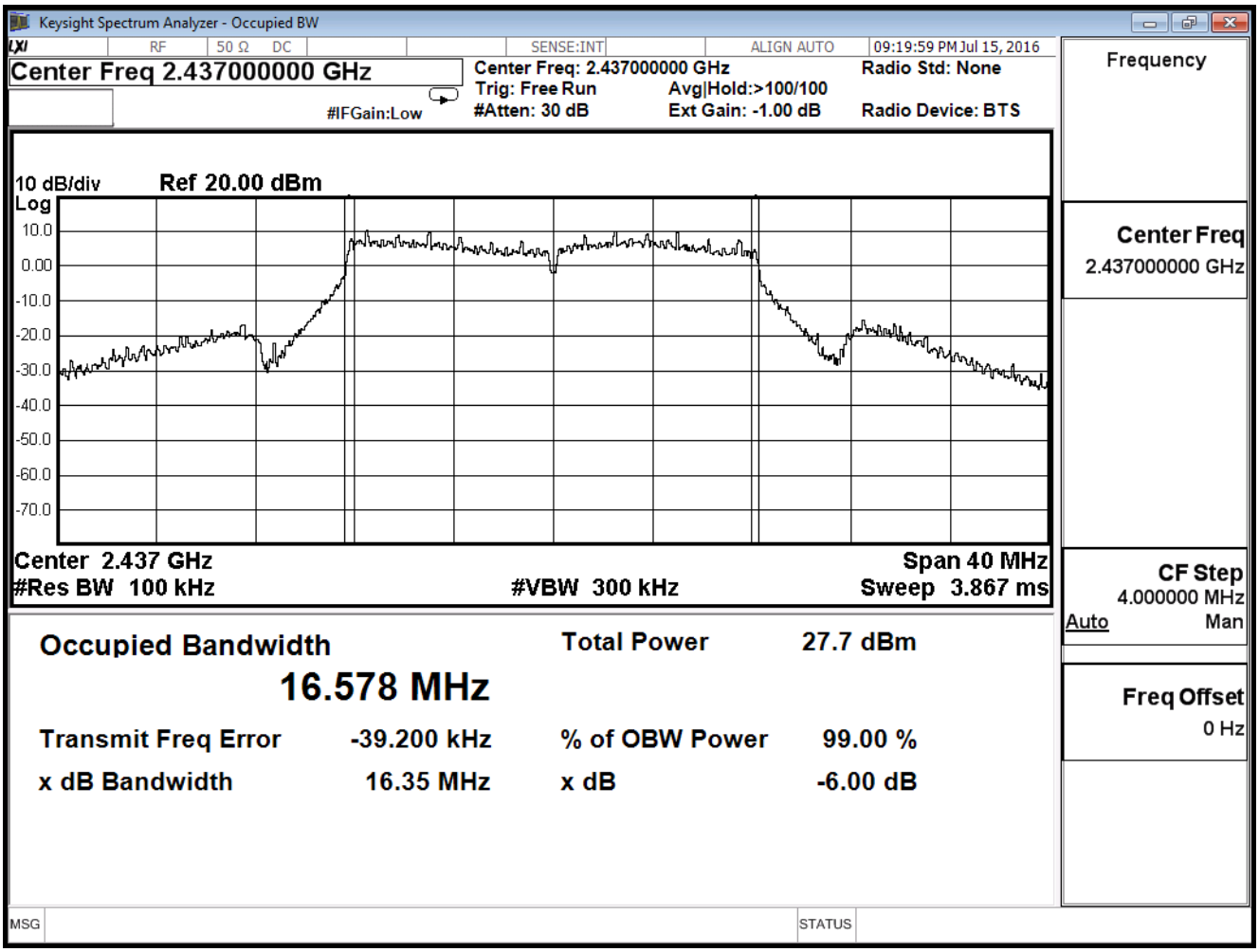
IEEE 802.11g (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.38	≧0.5	Pass
6	2437	16.35	≧0.5	Pass
11	2462	16.39	≧0.5	Pass

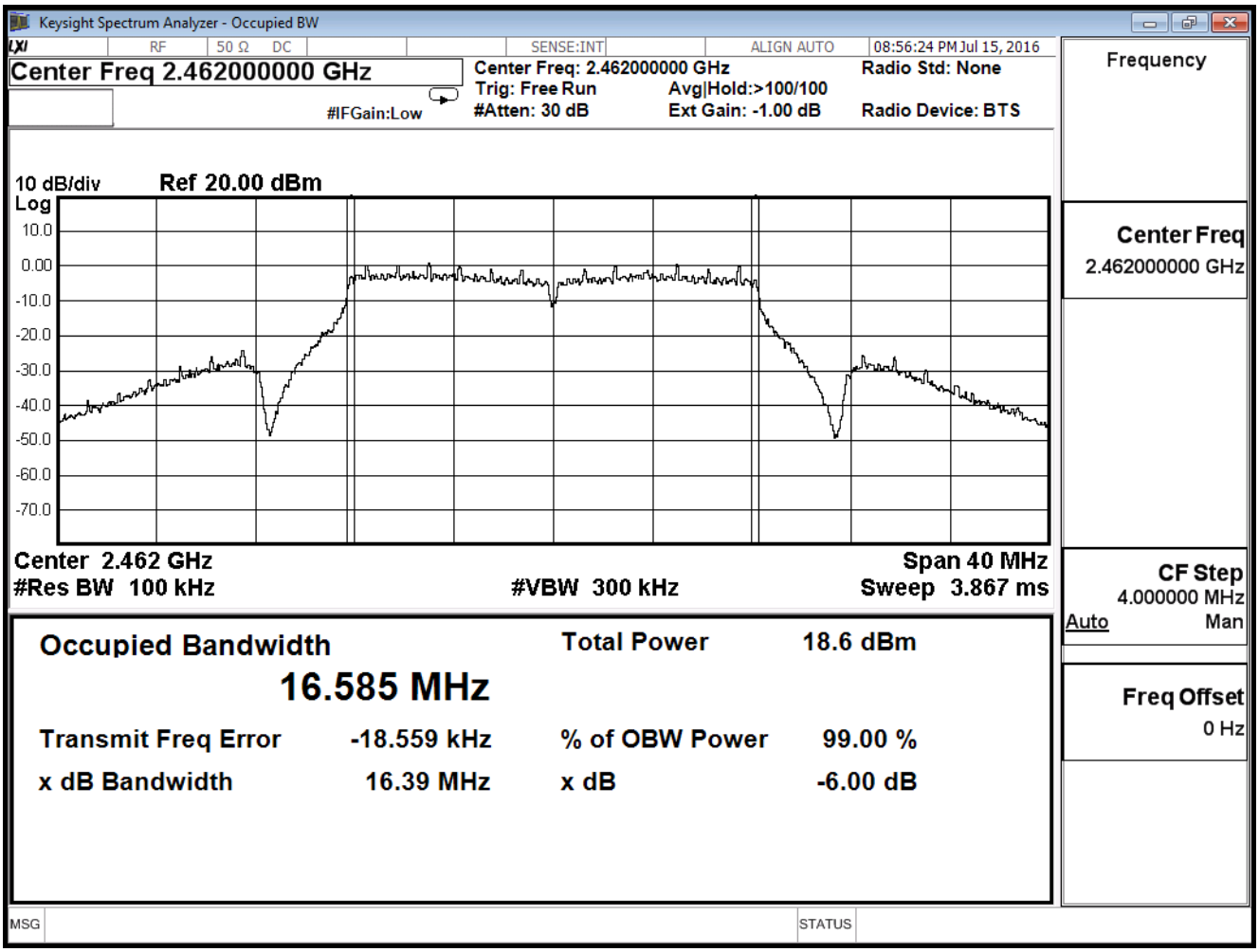
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:19:59 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
16.578 MHz
Total Power 27.7 dBm
Transmit Freq Error -39.200 kHz
% of OBW Power 99.00 %
x dB Bandwidth 16.35 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 11

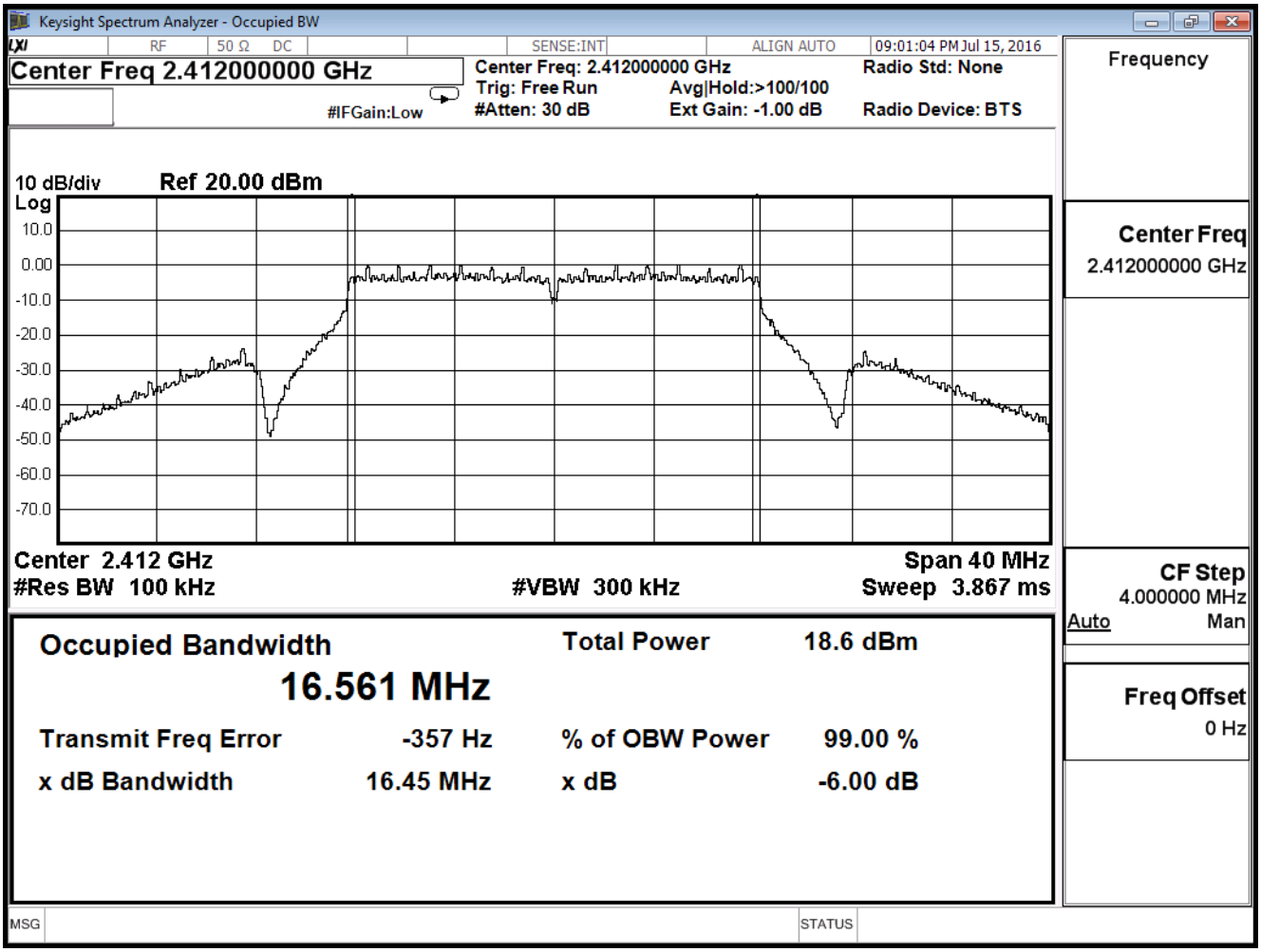

Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:56:24 PM Jul 15, 2016
Center Freq 2.462000000 GHz
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
16.585 MHz
Total Power 18.6 dBm
Transmit Freq Error -18.559 kHz
% of OBW Power 99.00 %
x dB Bandwidth 16.39 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

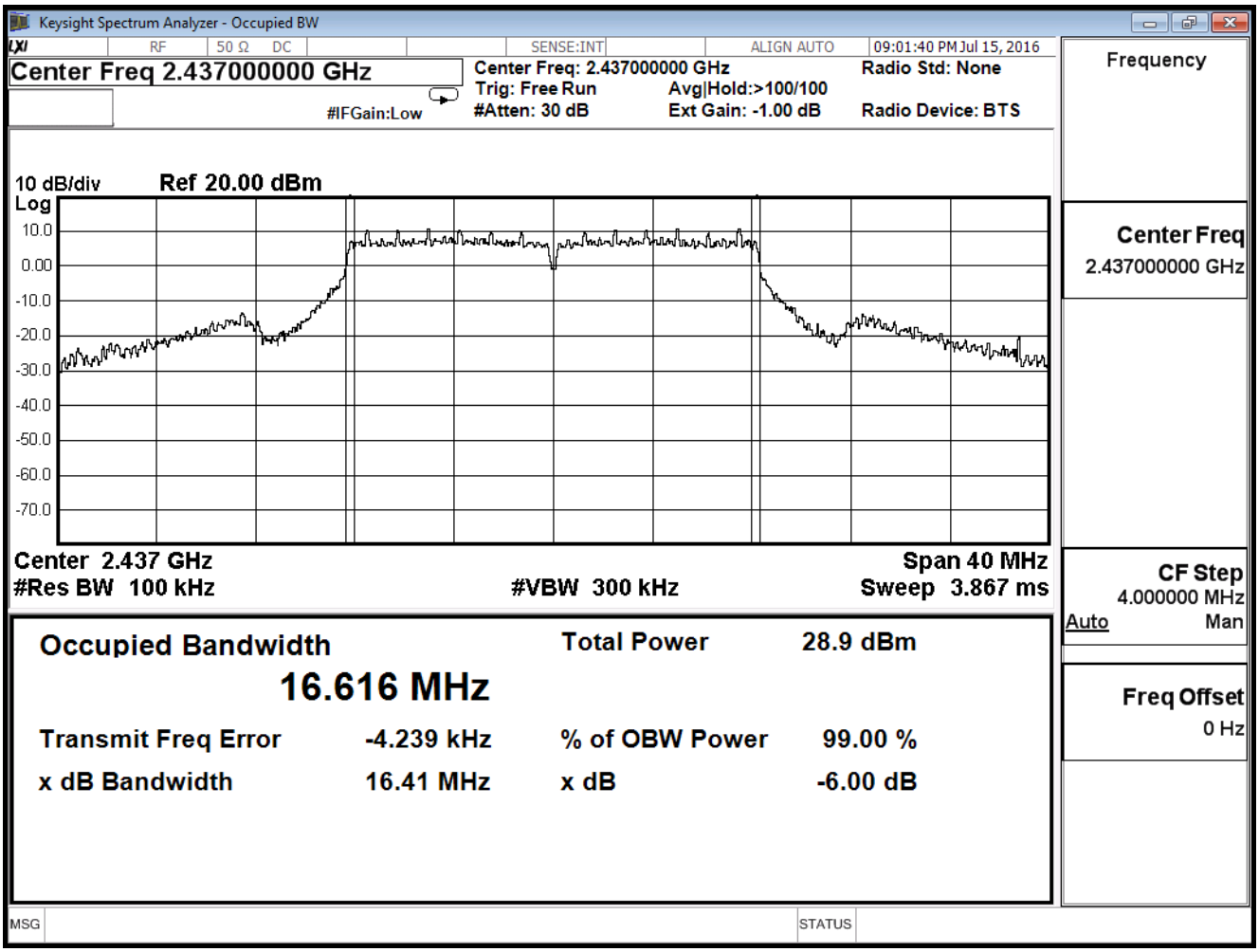
IEEE 802.11g (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.45	≧0.5	Pass
6	2437	16.41	≧0.5	Pass
11	2462	16.41	≧0.5	Pass

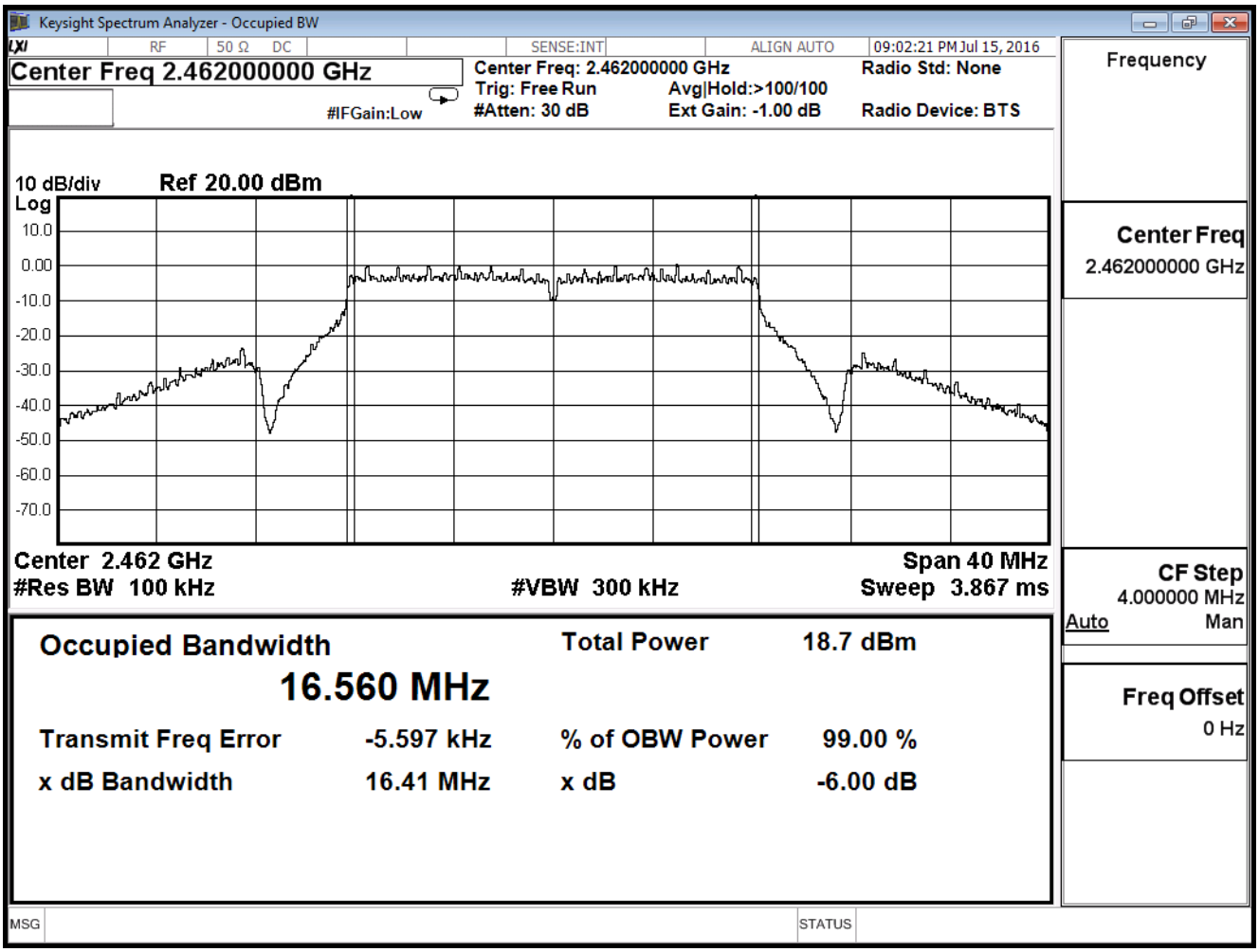
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:01:40 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
16.616 MHz
Total Power 28.9 dBm
Transmit Freq Error -4.239 kHz
% of OBW Power 99.00 %
x dB Bandwidth 16.41 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

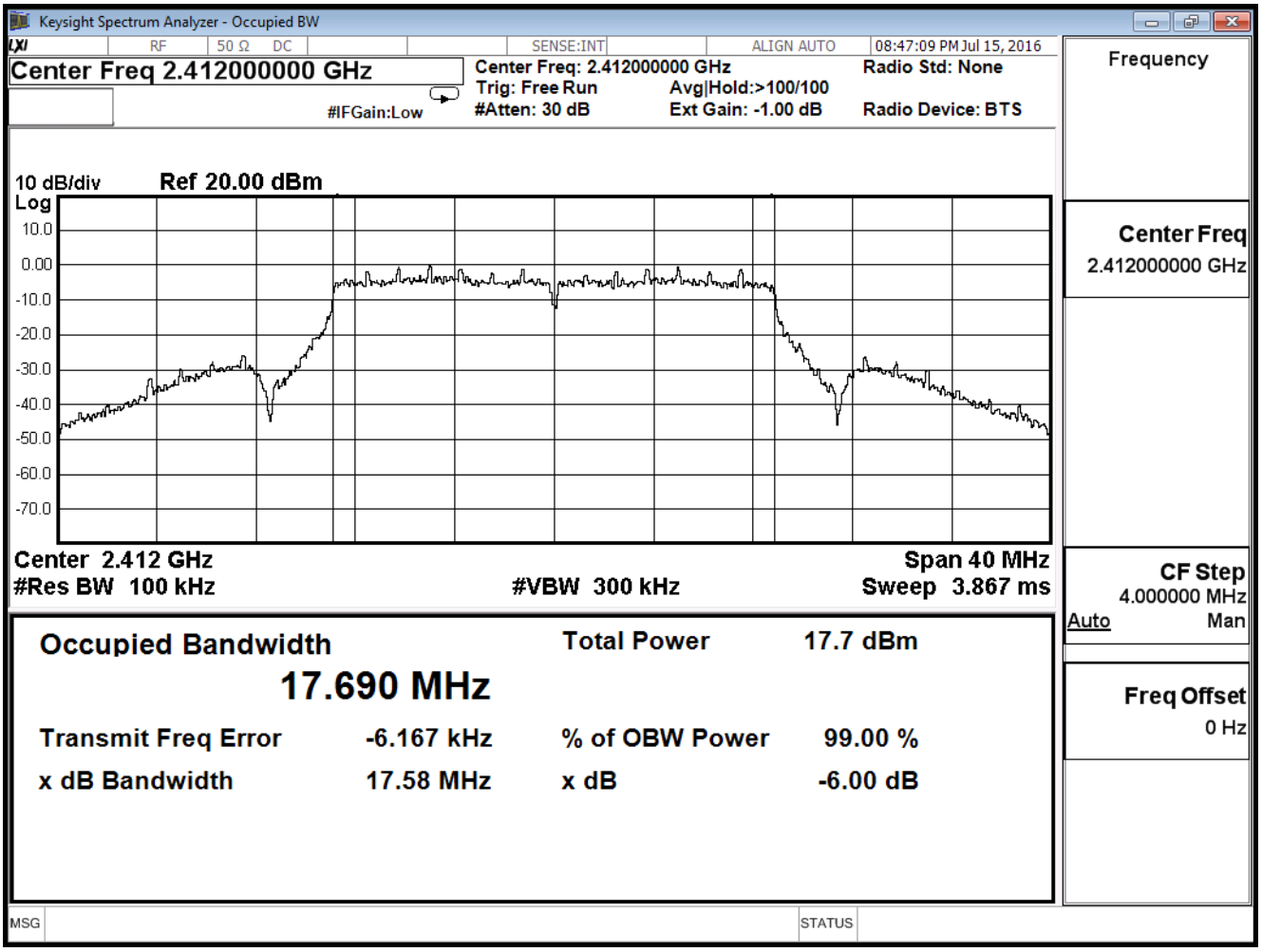
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:02:21 PM Jul 15, 2016
Center Freq 2.462000000 GHz
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
16.560 MHz
Total Power 18.7 dBm
Transmit Freq Error -5.597 kHz
% of OBW Power 99.00 %
x dB Bandwidth 16.41 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

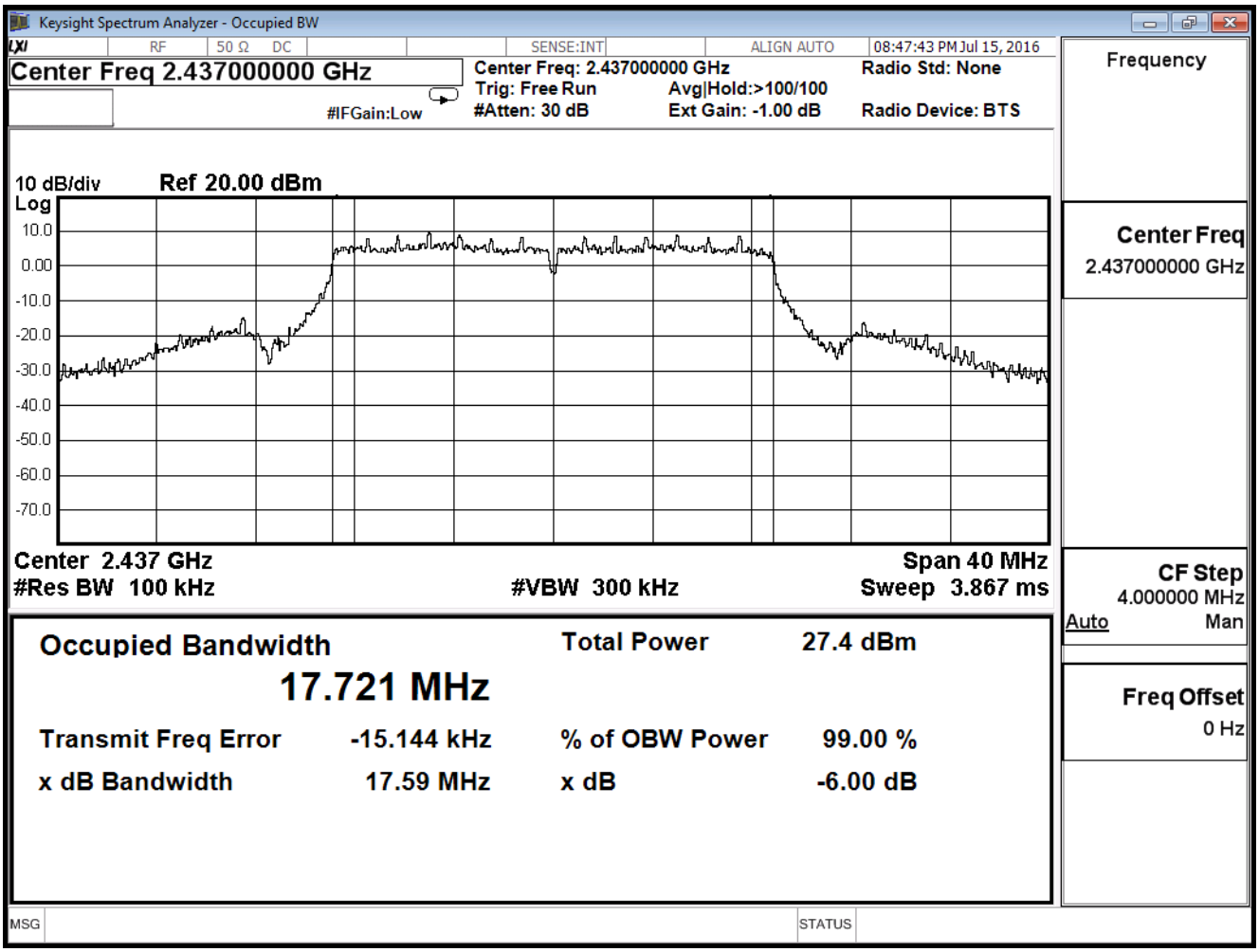
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.58	≧0.5	Pass
6	2437	17.59	≧0.5	Pass
11	2462	17.61	≧0.5	Pass

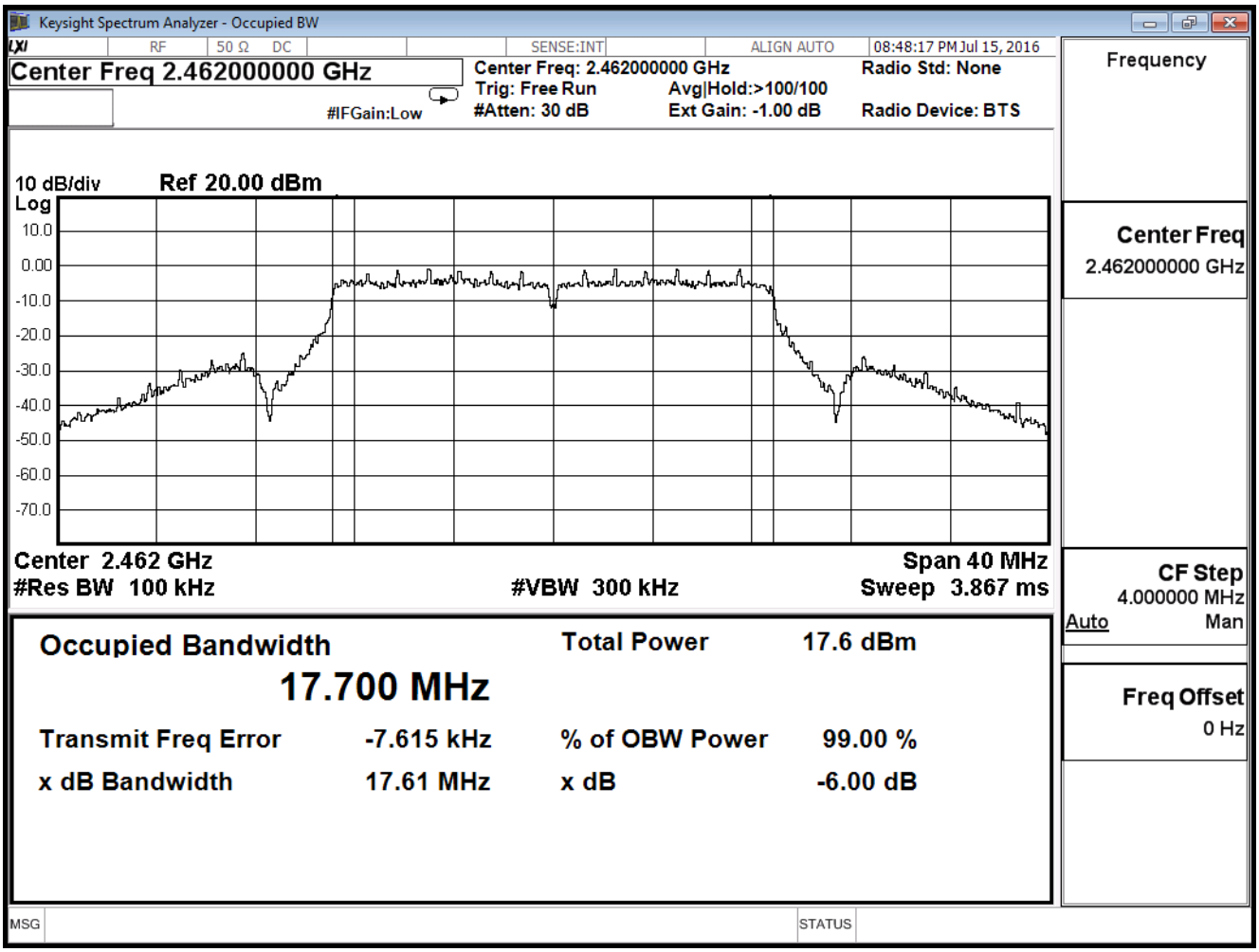
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:47:43 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.721 MHz
Total Power 27.4 dBm
Transmit Freq Error -15.144 kHz
% of OBW Power 99.00 %
x dB Bandwidth 17.59 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 11

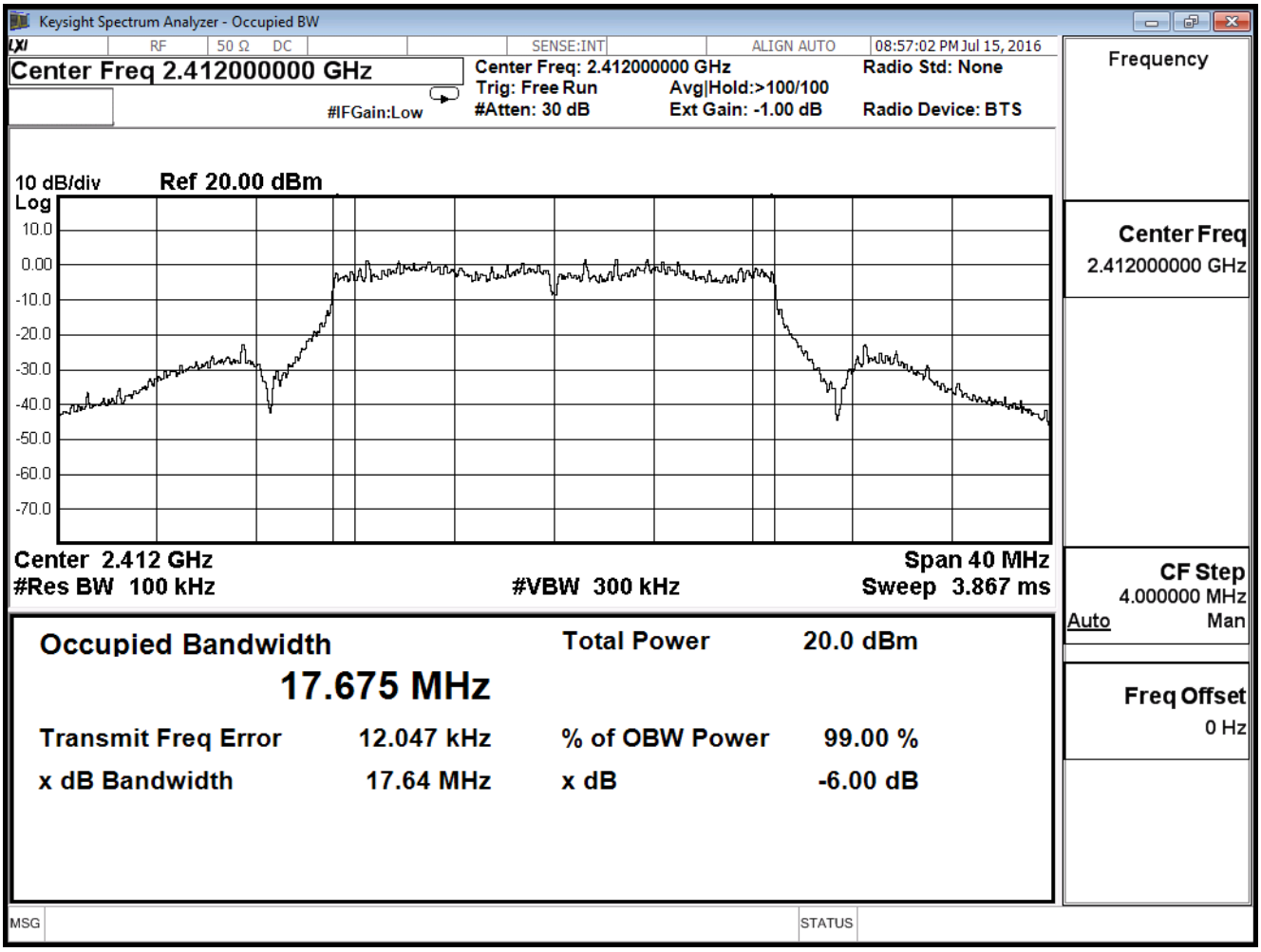

Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:48:17 PM Jul 15, 2016
Center Freq 2.462000000 GHz
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.700 MHz
Total Power 17.6 dBm
Transmit Freq Error -7.615 kHz
% of OBW Power 99.00 %
x dB Bandwidth 17.61 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

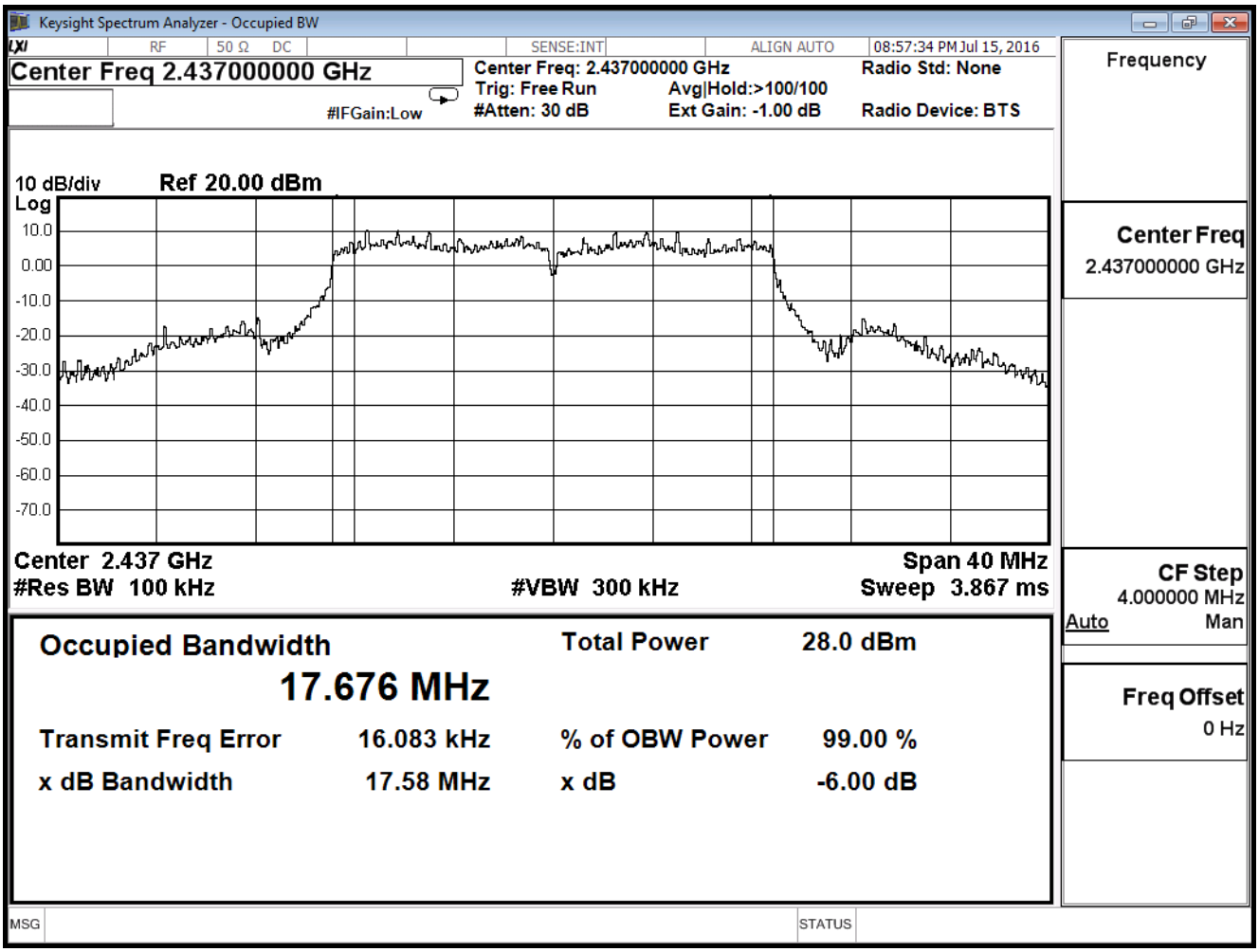
IEEE 802.11n (20MHz)(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.64	≧0.5	Pass
6	2437	17.58	≧0.5	Pass
11	2462	17.62	≧0.5	Pass

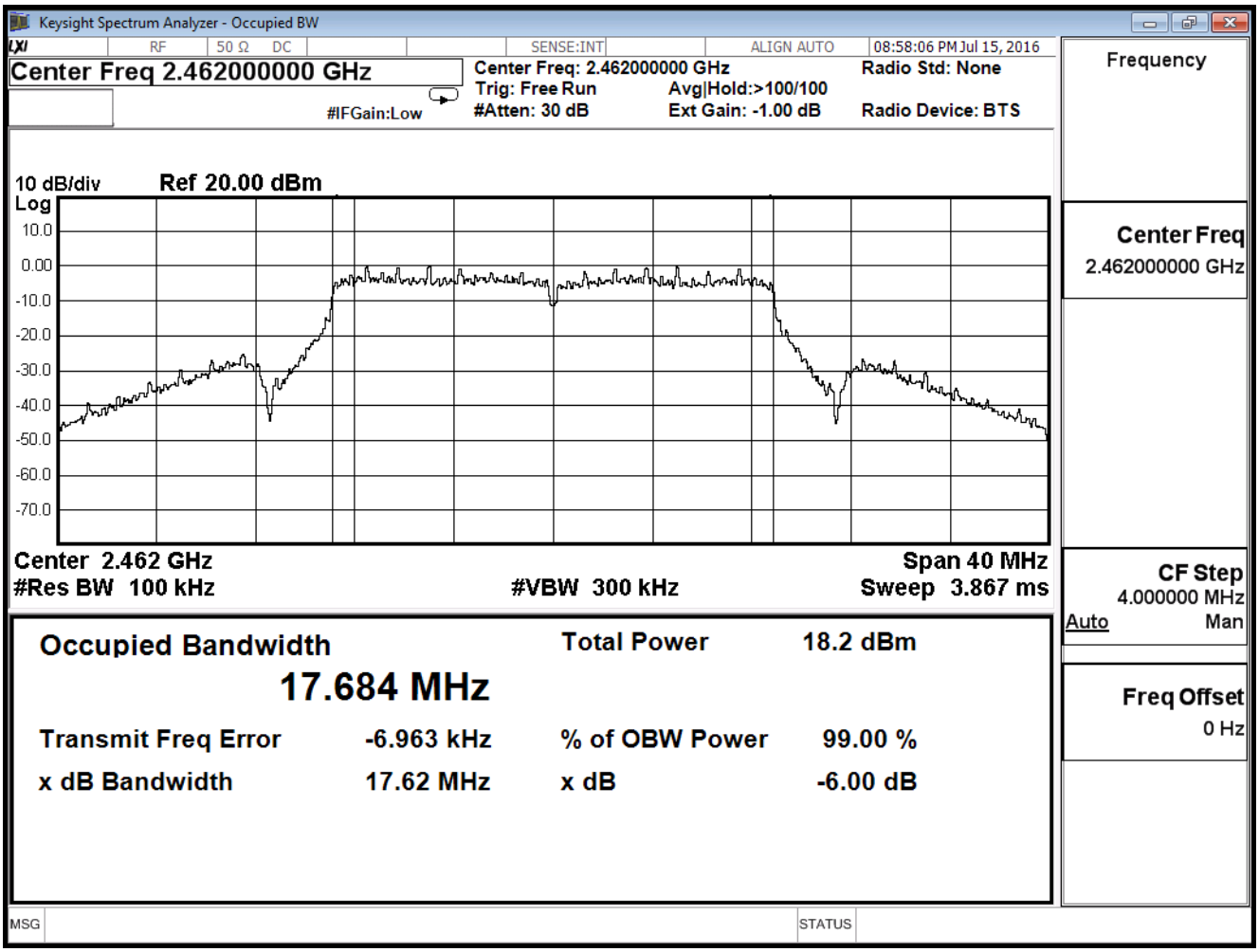
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:57:34 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.676 MHz
Total Power
28.0 dBm
Transmit Freq Error
16.083 kHz
% of OBW Power
99.00 %
x dB Bandwidth
17.58 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 11

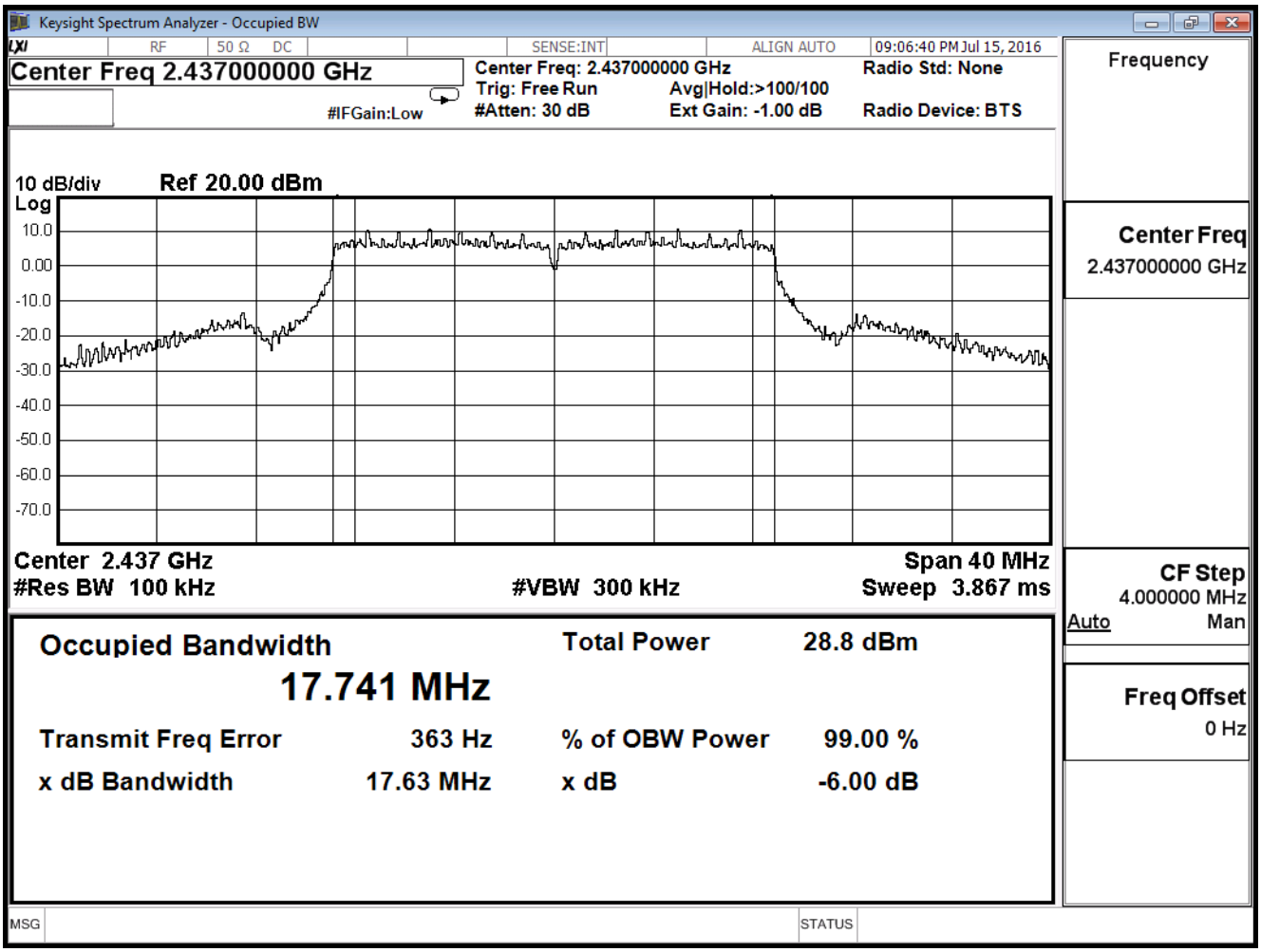

Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
08:58:06 PM Jul 15, 2016
Center Freq 2.462000000 GHz
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.684 MHz
Total Power 18.2 dBm
Transmit Freq Error -6.963 kHz
% of OBW Power 99.00 %
x dB Bandwidth 17.62 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

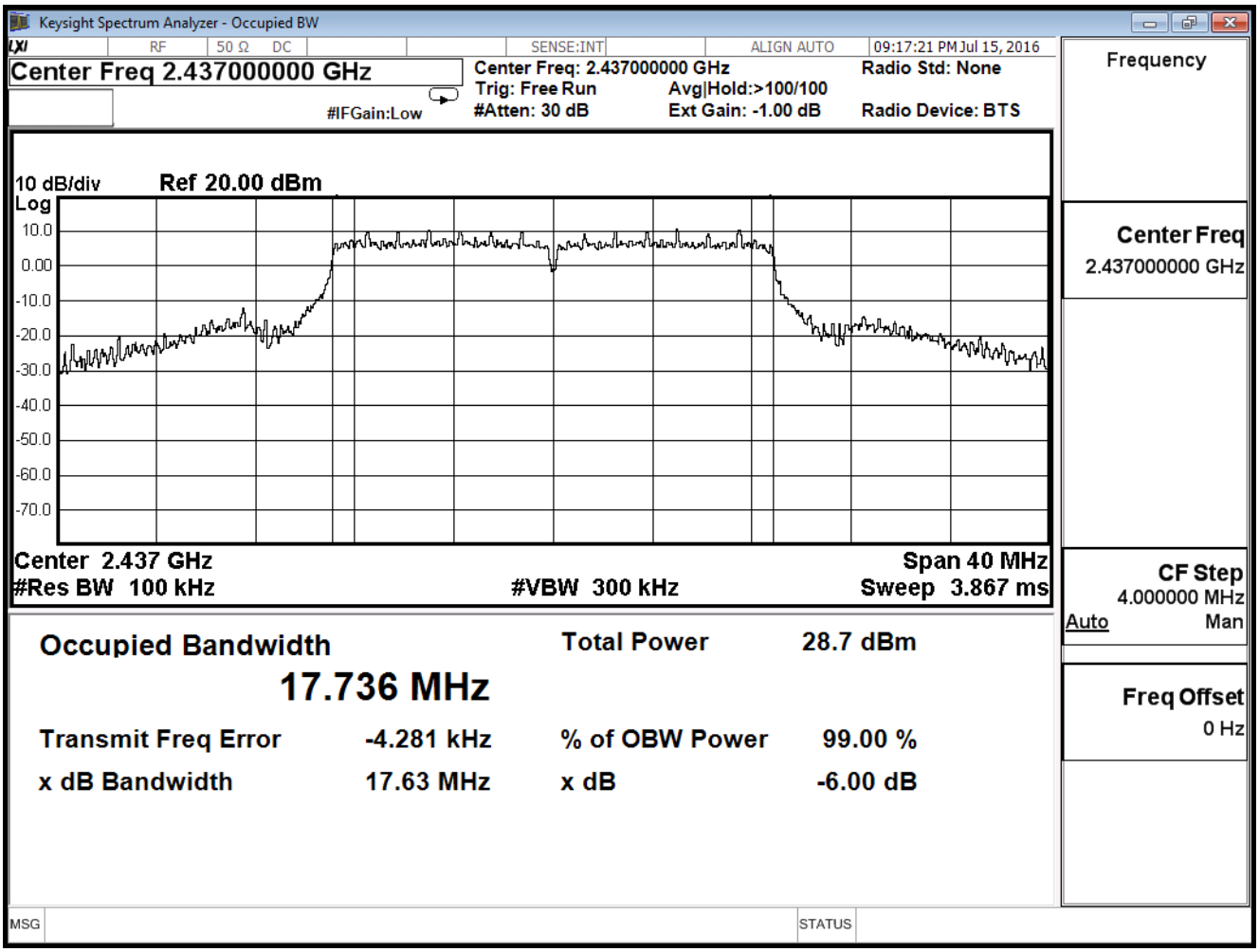
IEEE 802.11n (20MHz)(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.63	≧0.5	Pass
6	2437	17.63	≧0.5	Pass
11	2462	17.64	≧0.5	Pass

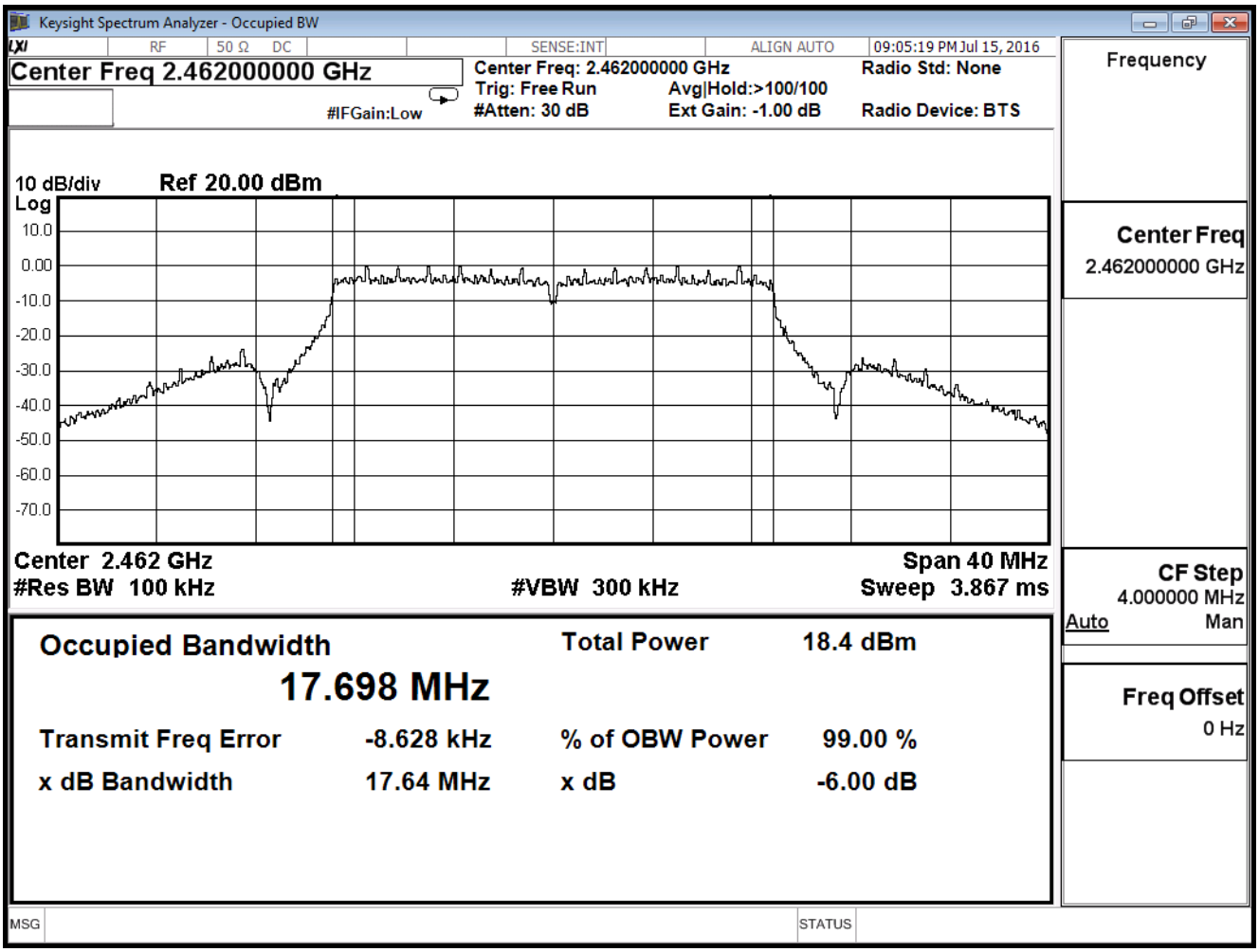
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:17:21 PM Jul 15, 2016
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.736 MHz
Total Power
28.7 dBm
Transmit Freq Error
-4.281 kHz
% of OBW Power
99.00 %
x dB Bandwidth
17.63 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

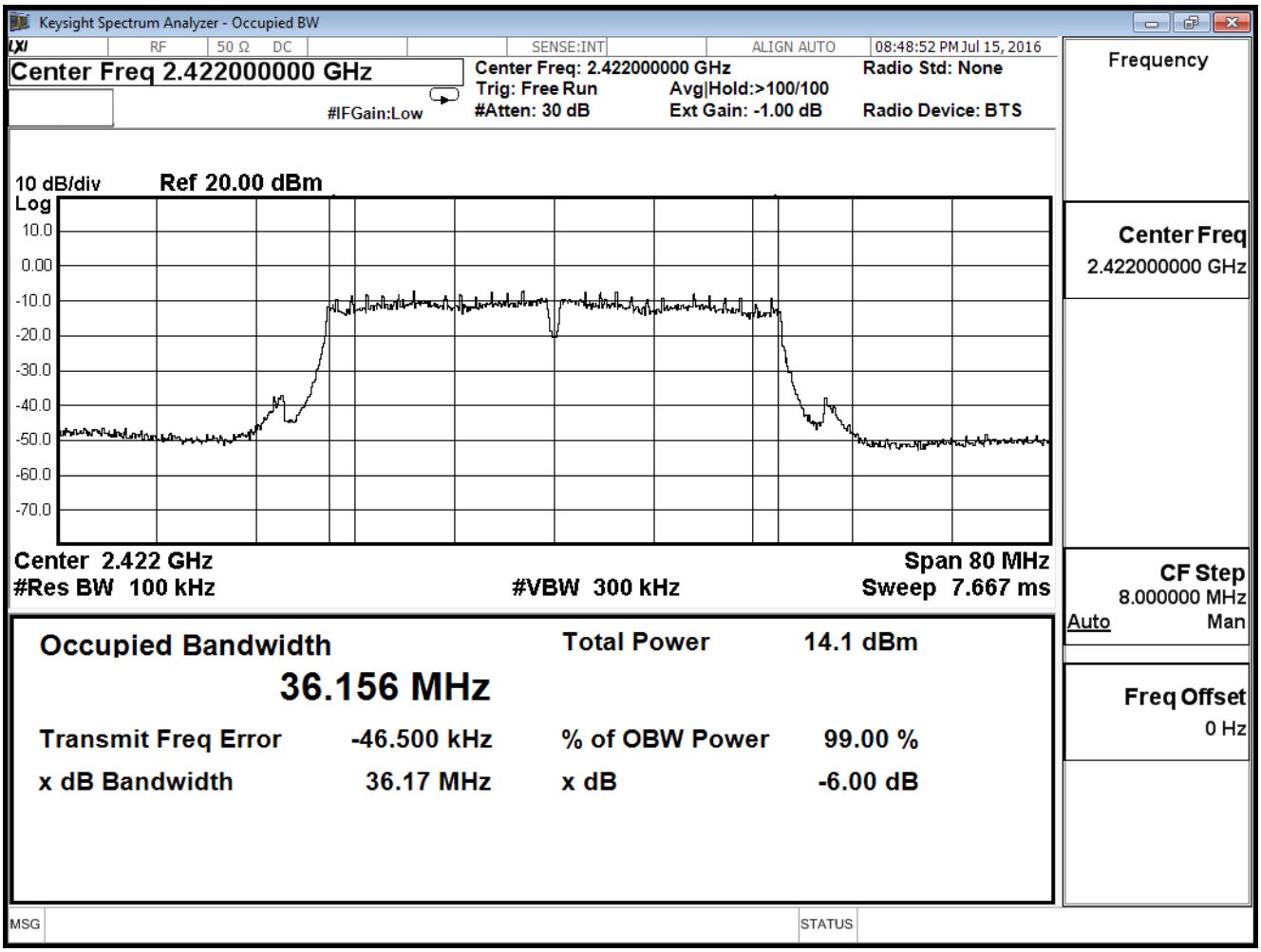
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:05:19 PM Jul 15, 2016
Center Freq 2.462000000 GHz
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 3.867 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.698 MHz
Total Power 18.4 dBm
Transmit Freq Error -8.628 kHz
% of OBW Power 99.00 %
x dB Bandwidth 17.64 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

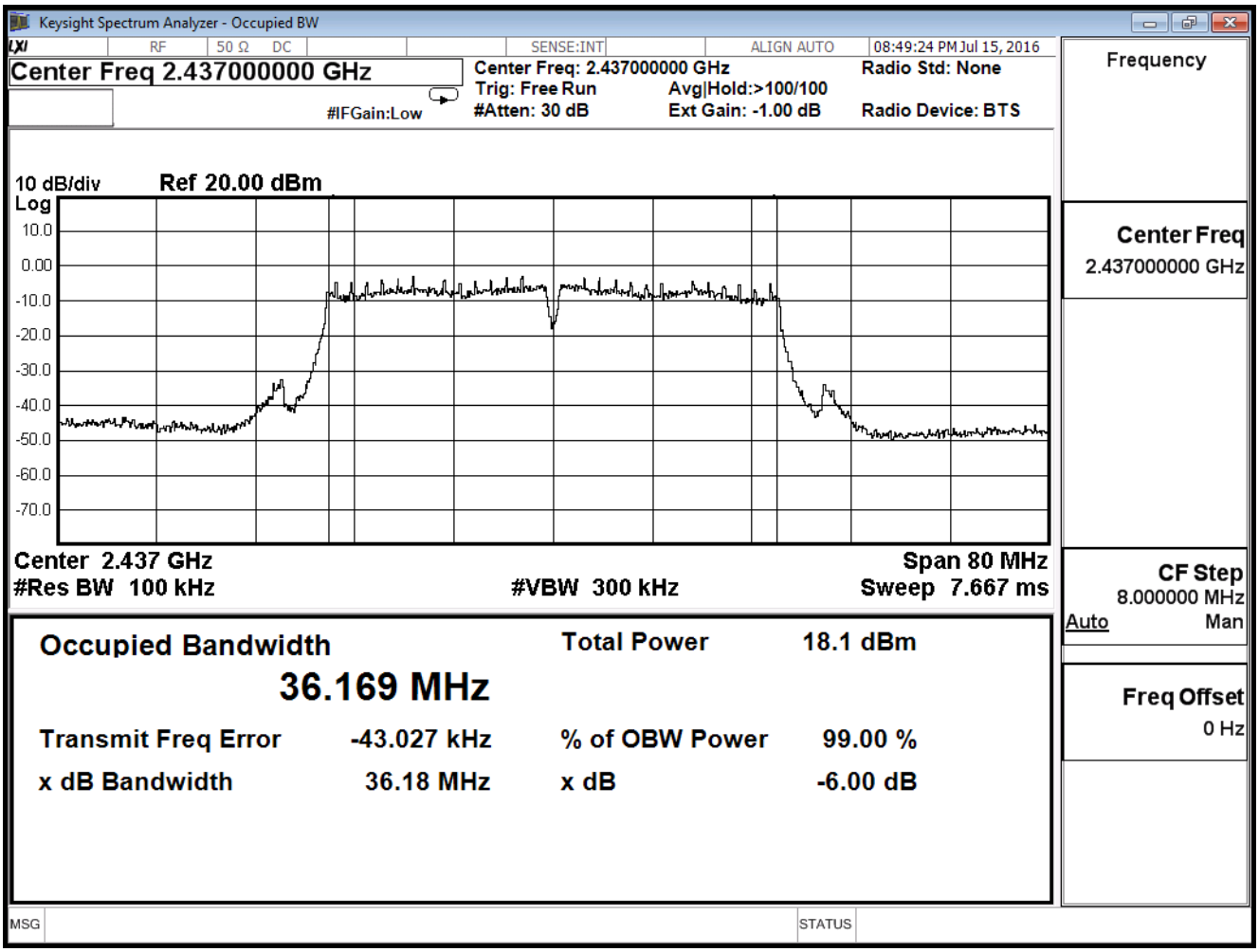
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.17	≧0.5	Pass
6	2437	36.18	≧0.5	Pass
9	2452	36.31	≧0.5	Pass

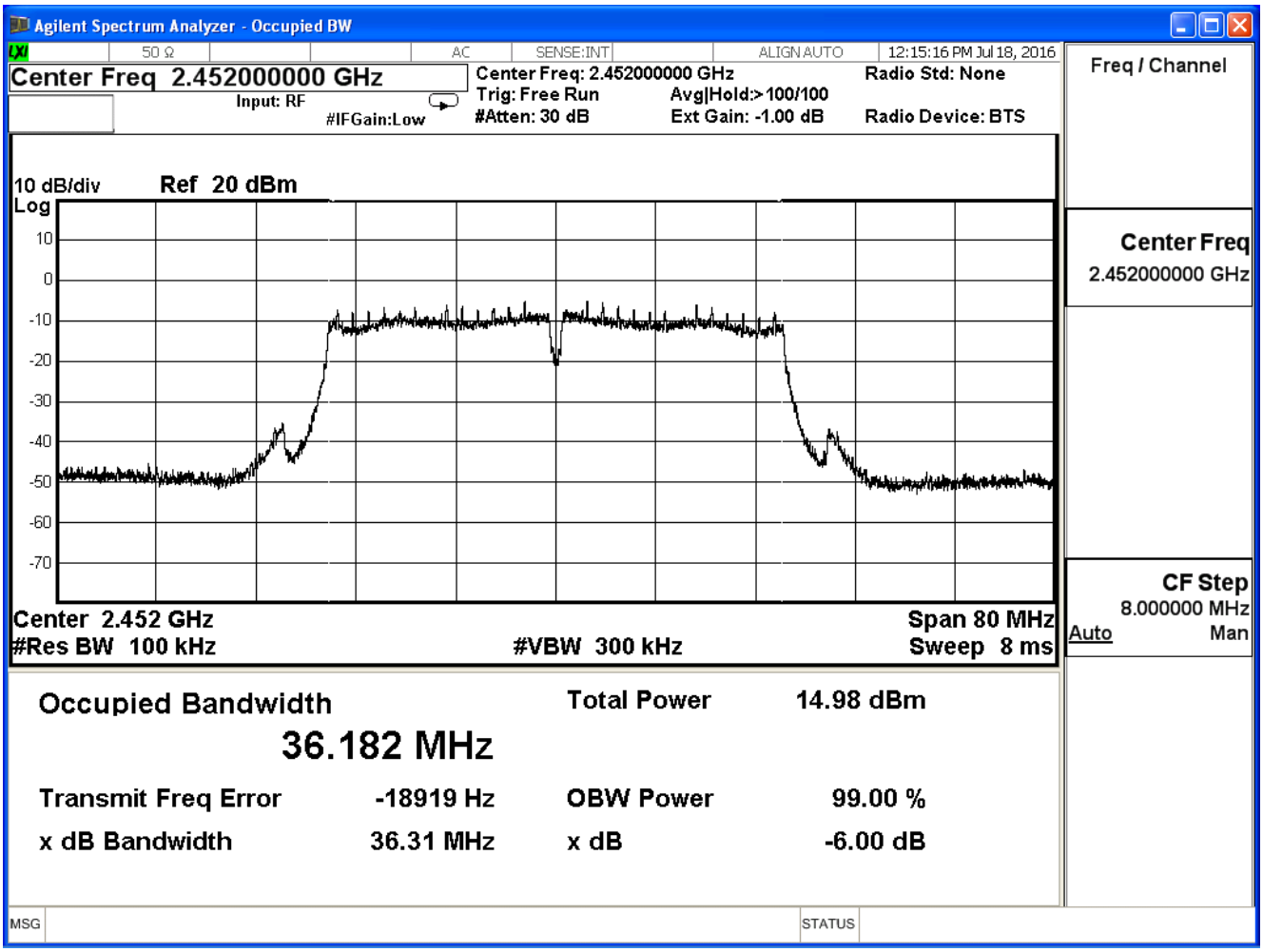
Channel 3



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:49:24 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 7.667 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.169 MHz
Total Power 18.1 dBm
Transmit Freq Error -43.027 kHz
% of OBW Power 99.00 %
x dB Bandwidth 36.18 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

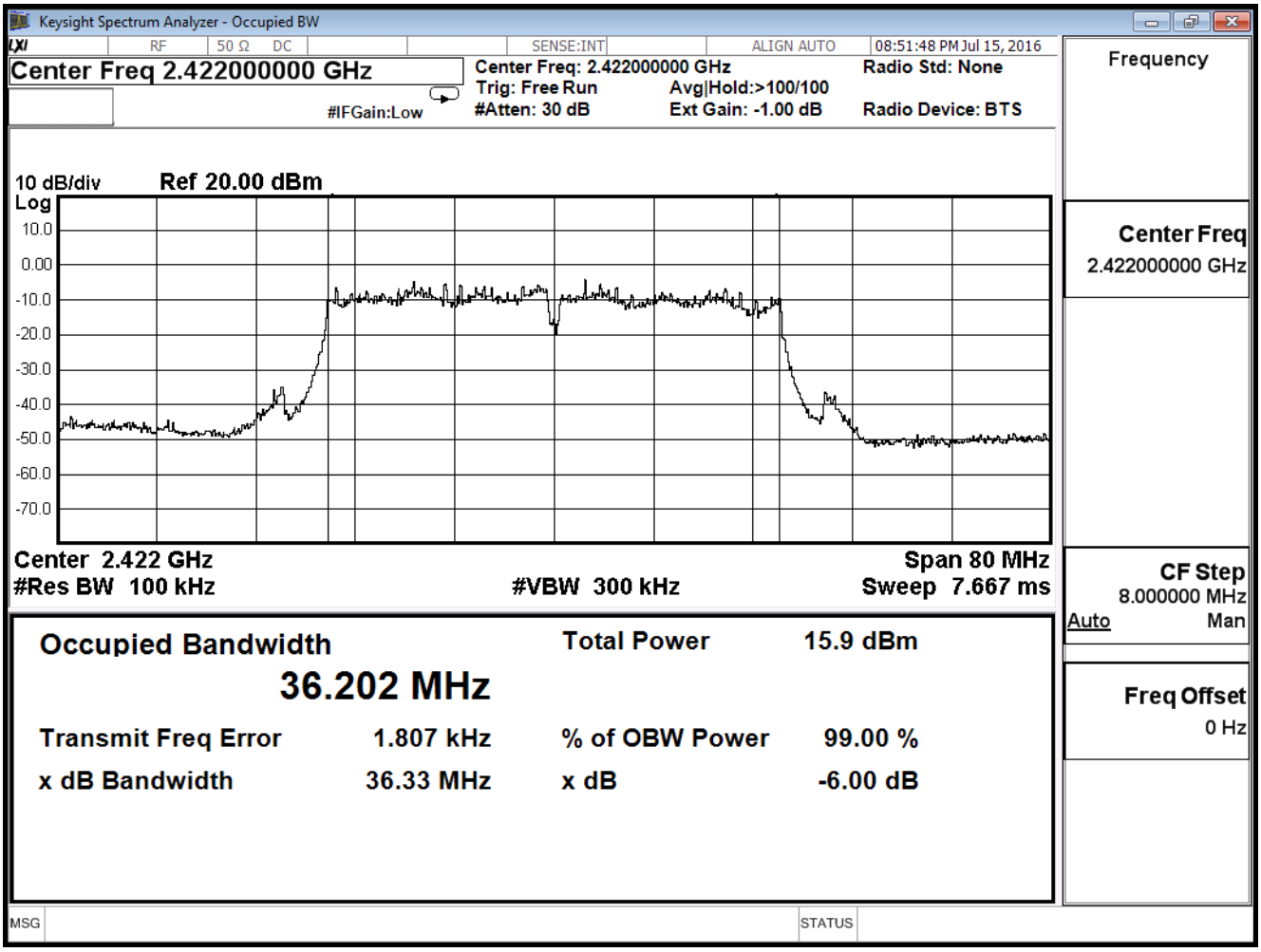
Channel 9


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:15:16 PM Jul 18, 2016
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.182 MHz
Total Power
14.98 dBm
Transmit Freq Error
-18919 Hz
OBW Power
99.00 %
x dB Bandwidth
36.31 MHz
x dB
-6.00 dB
MSG
STATUS

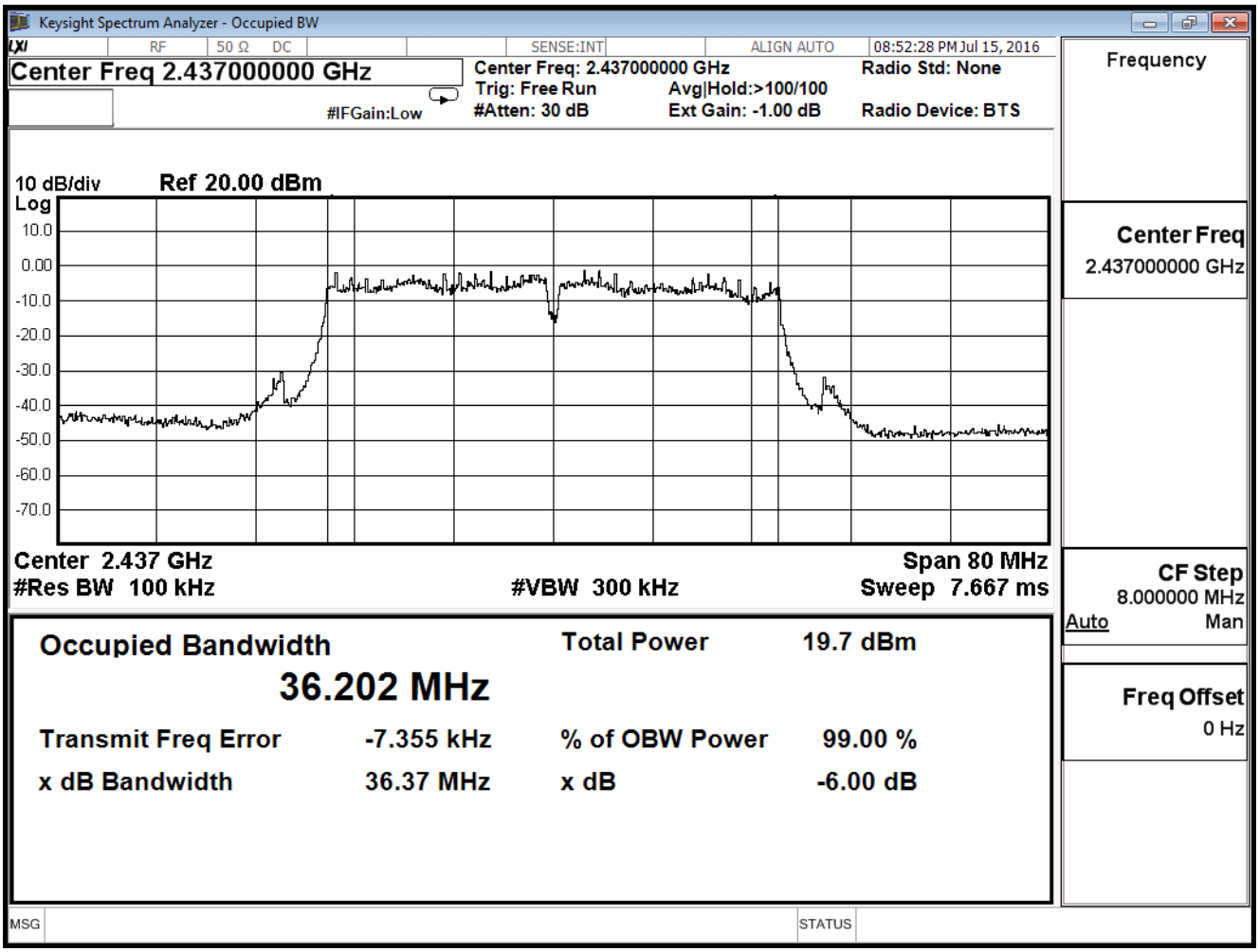
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.33	≧0.5	Pass
6	2437	36.37	≧0.5	Pass
9	2452	36.34	≧0.5	Pass

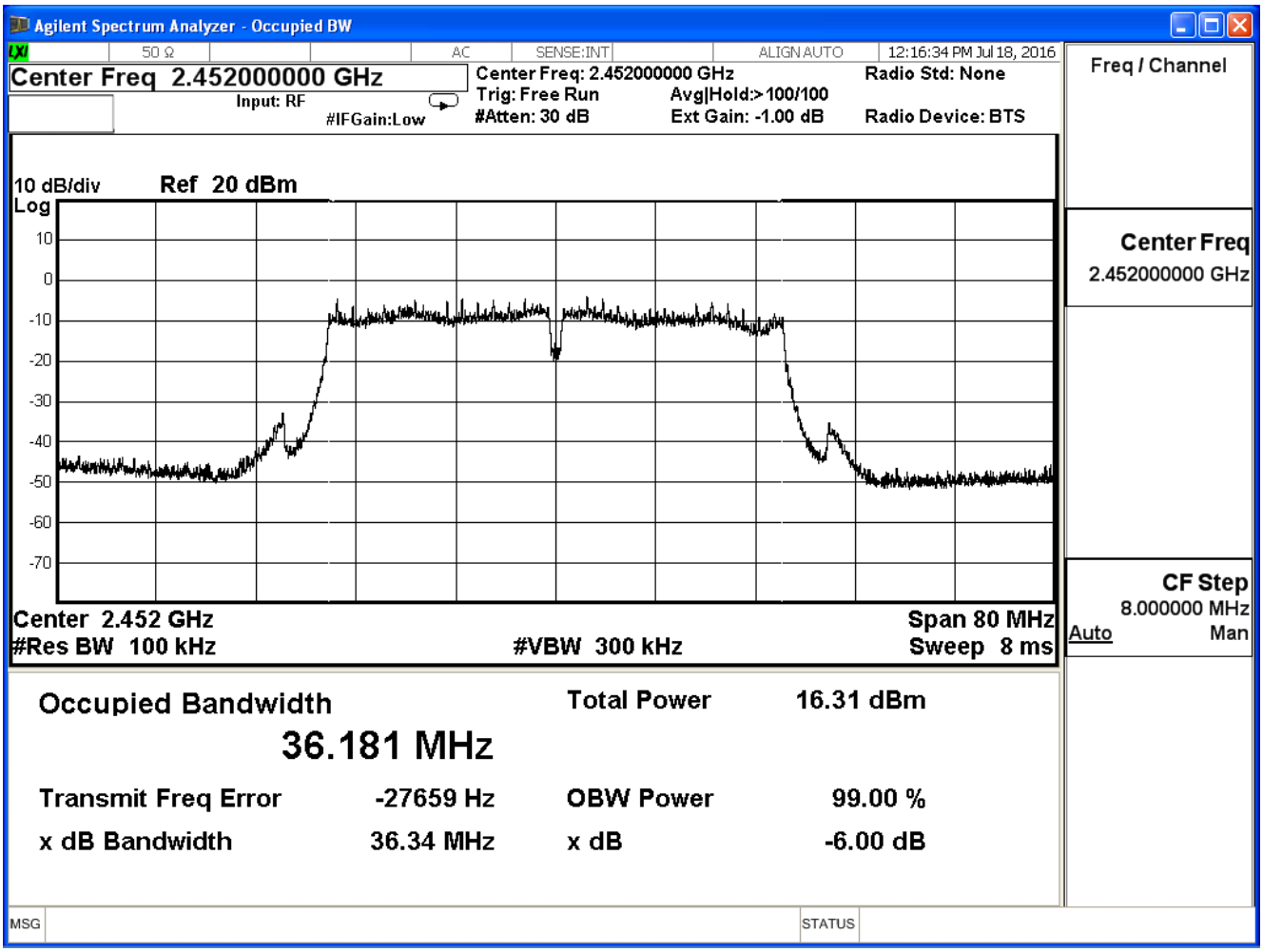
Channel 3



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
08:52:28 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 7.667 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.202 MHz
Total Power
19.7 dBm
Transmit Freq Error
-7.355 kHz
% of OBW Power
99.00 %
x dB Bandwidth
36.37 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 9

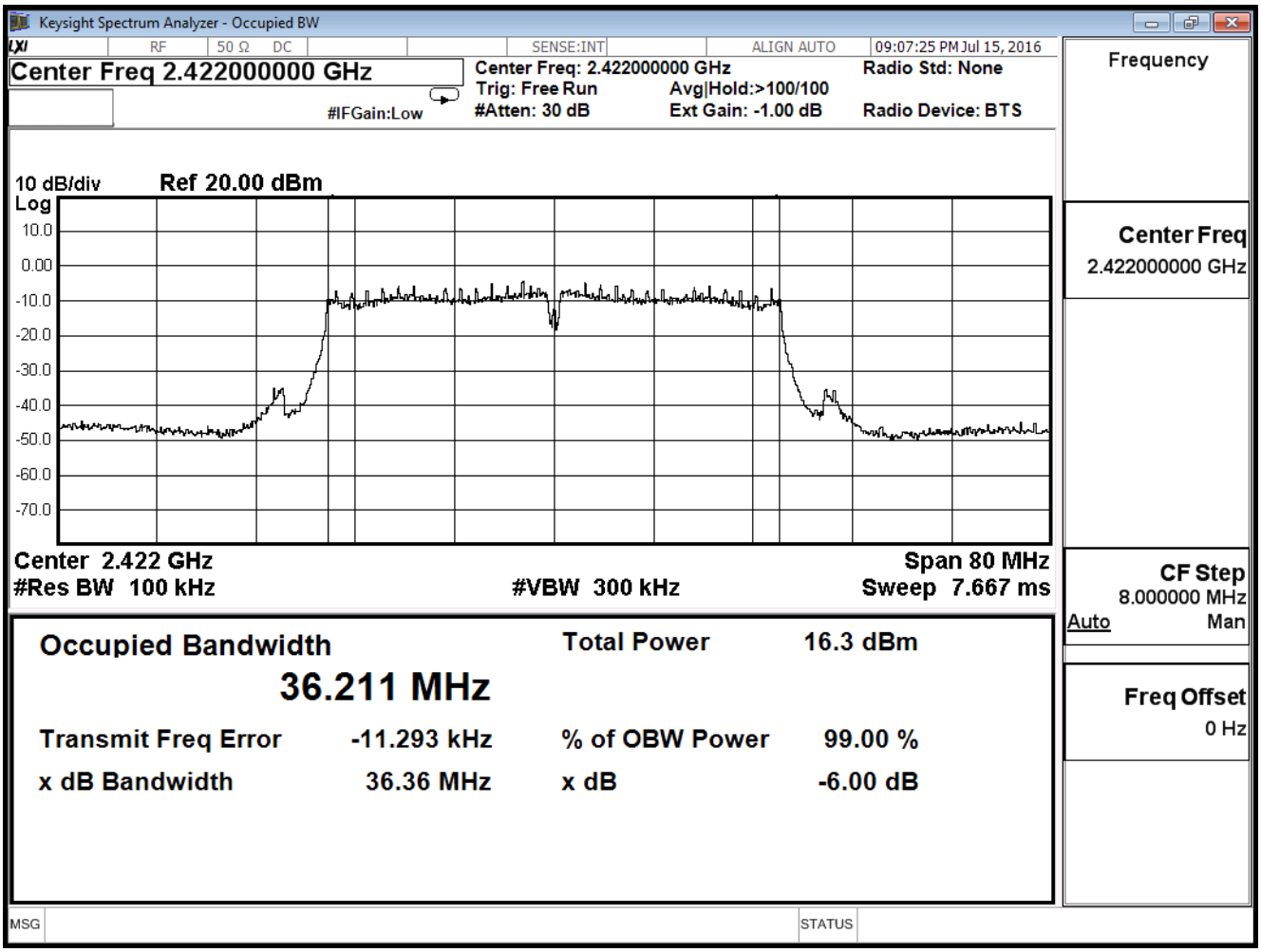

Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:16:34 PM Jul 18, 2016
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.181 MHz
Total Power
16.31 dBm
Transmit Freq Error
-27659 Hz
OBW Power
99.00 %
x dB Bandwidth
36.34 MHz
x dB
-6.00 dB
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

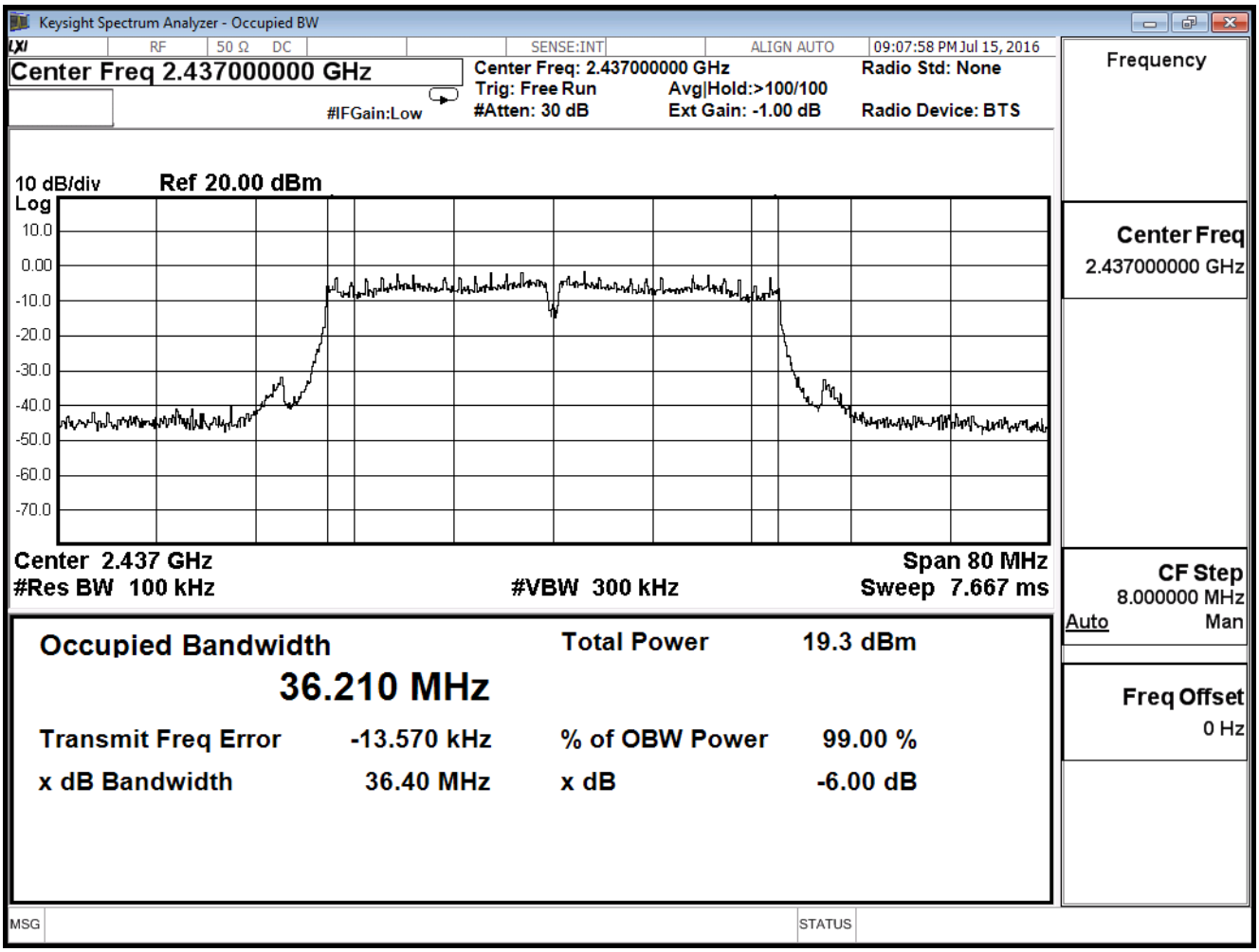
IEEE 802.11n (40MHz)(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.36	≧0.5	Pass
6	2437	36.40	≧0.5	Pass
9	2452	36.31	≧0.5	Pass

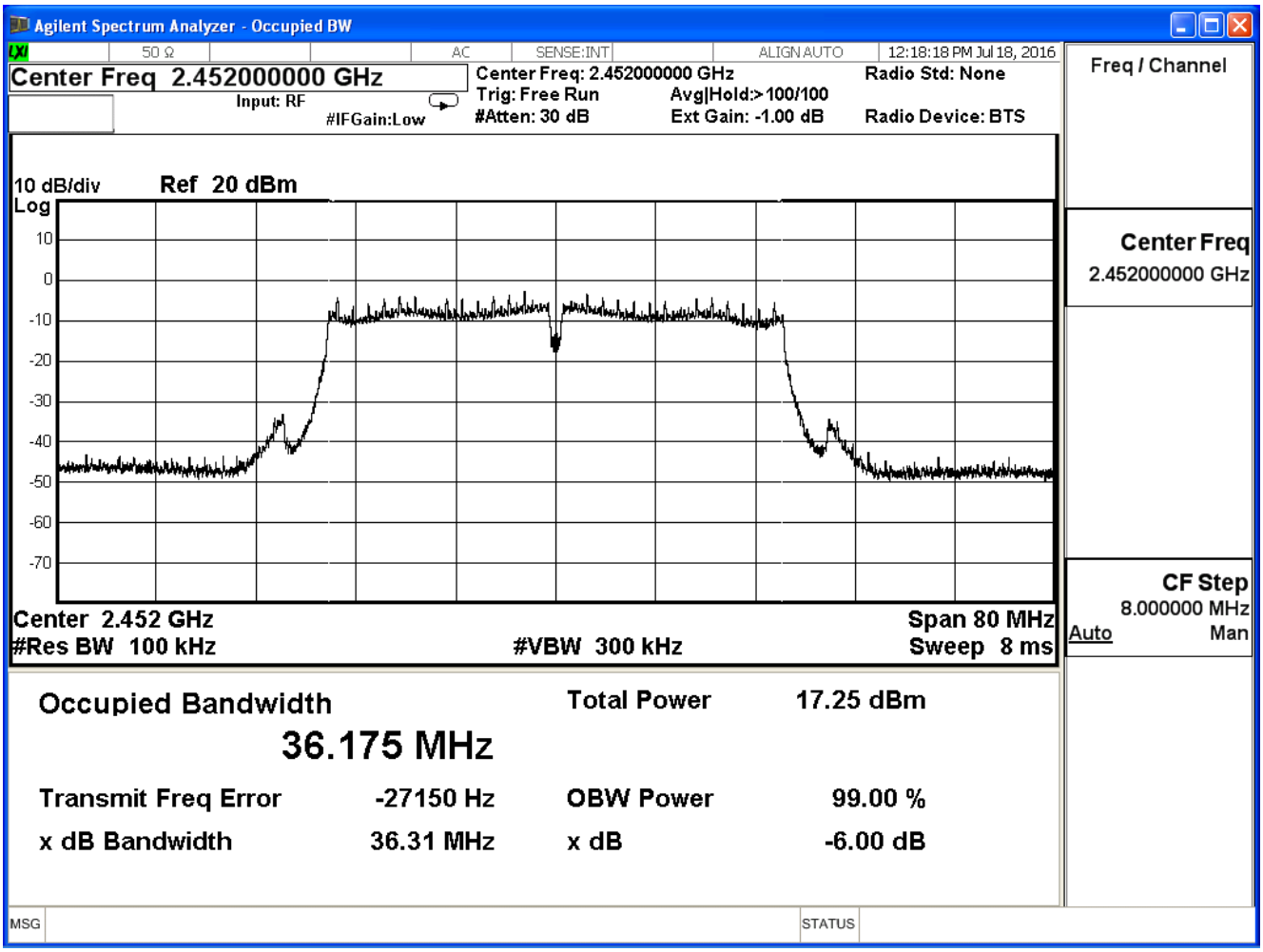
Channel 3



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
09:07:58 PM Jul 15, 2016
Center Freq 2.437000000 GHz
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.00 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 7.667 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.210 MHz
Total Power 19.3 dBm
Transmit Freq Error -13.570 kHz
% of OBW Power 99.00 %
x dB Bandwidth 36.40 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Occupied BW
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:18:18 PM Jul 18, 2016
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.175 MHz
Total Power
17.25 dBm
Transmit Freq Error
-27150 Hz
OBW Power
99.00 %
x dB Bandwidth
36.31 MHz
x dB
-6.00 dB
MSG
STATUS

8. Occupied Bandwidth

8.1. Test Equipment

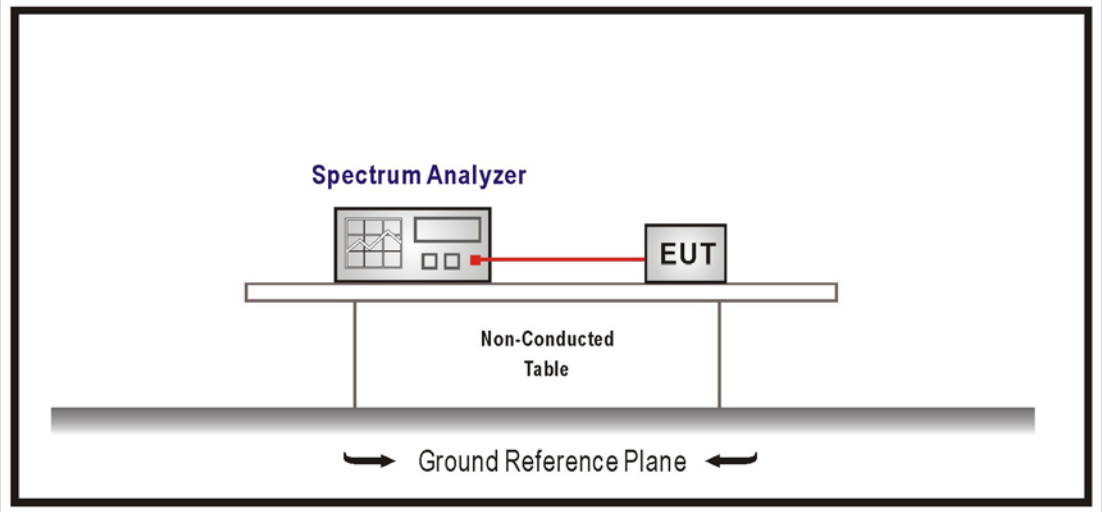
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2016/08/23
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05
Signal Analyzer	R&S	FSV7	101650	2016/11/30

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

8.2. Test Setup



8.3. Test Procedures

The EUT was setup according to ANSI C63.10; tested according to DTS test procedure of KDB558074 V03R05 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 1-5% of the OBW, Set the VBW≧3xRBW, Sweep Time=Auto.

8.4. Limits

NA

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

8.6. Uncertainty

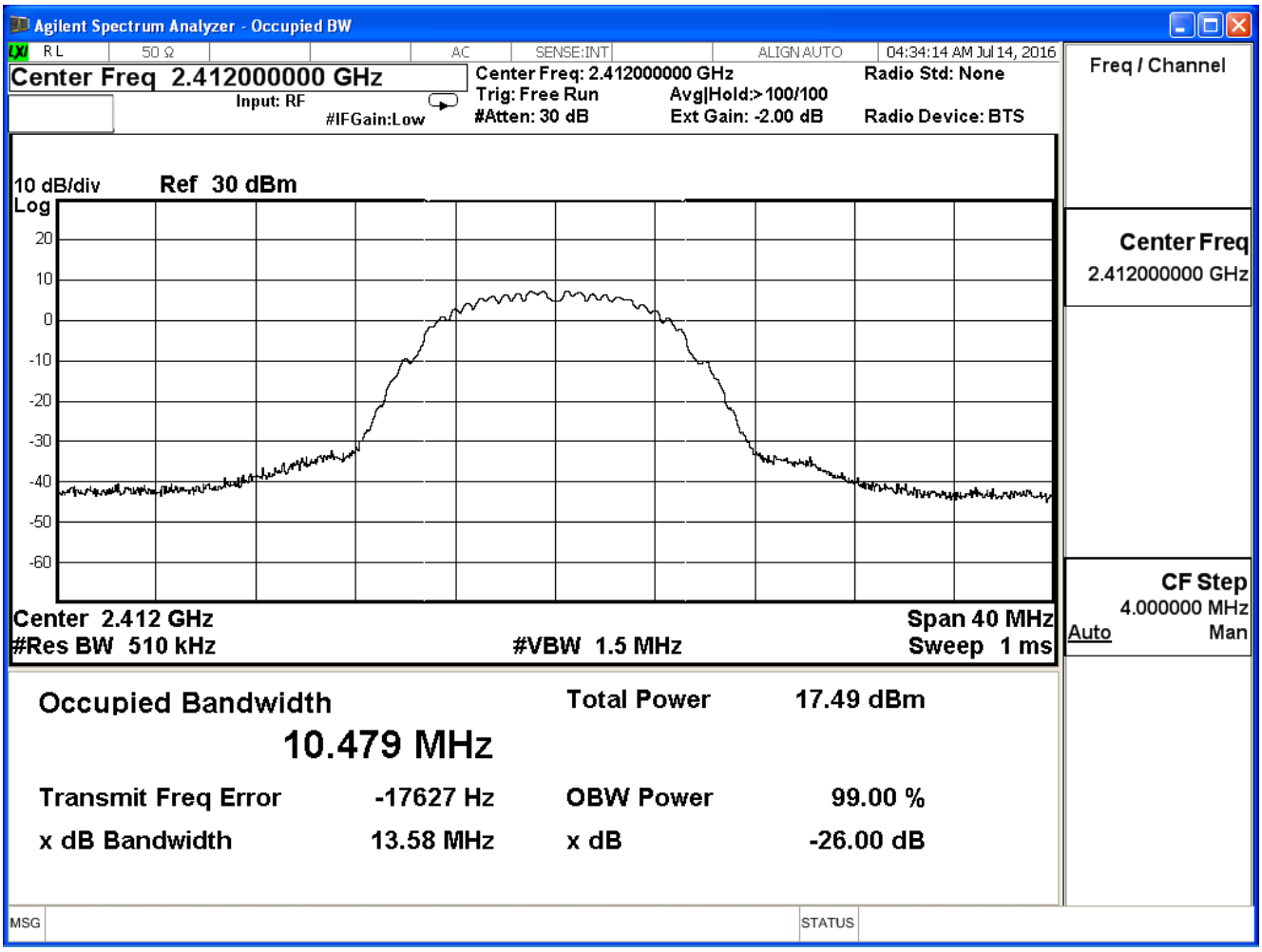
The measurement uncertainty is defined as ±150Hz

8.7. Test Result

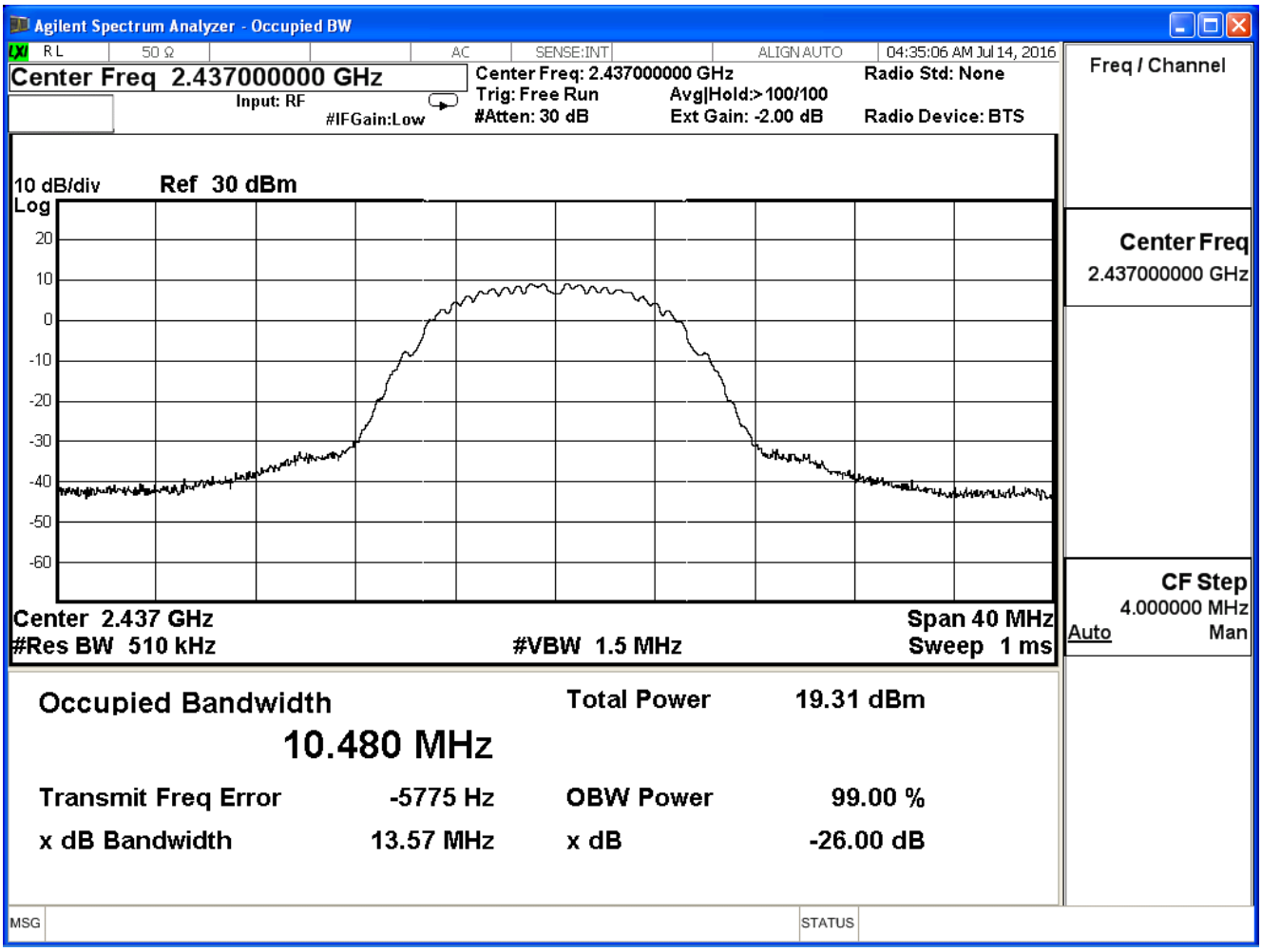
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

802.11 b (ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	10.48	--	Pass
6	2437	10.48	--	Pass
11	2462	10.49	--	Pass

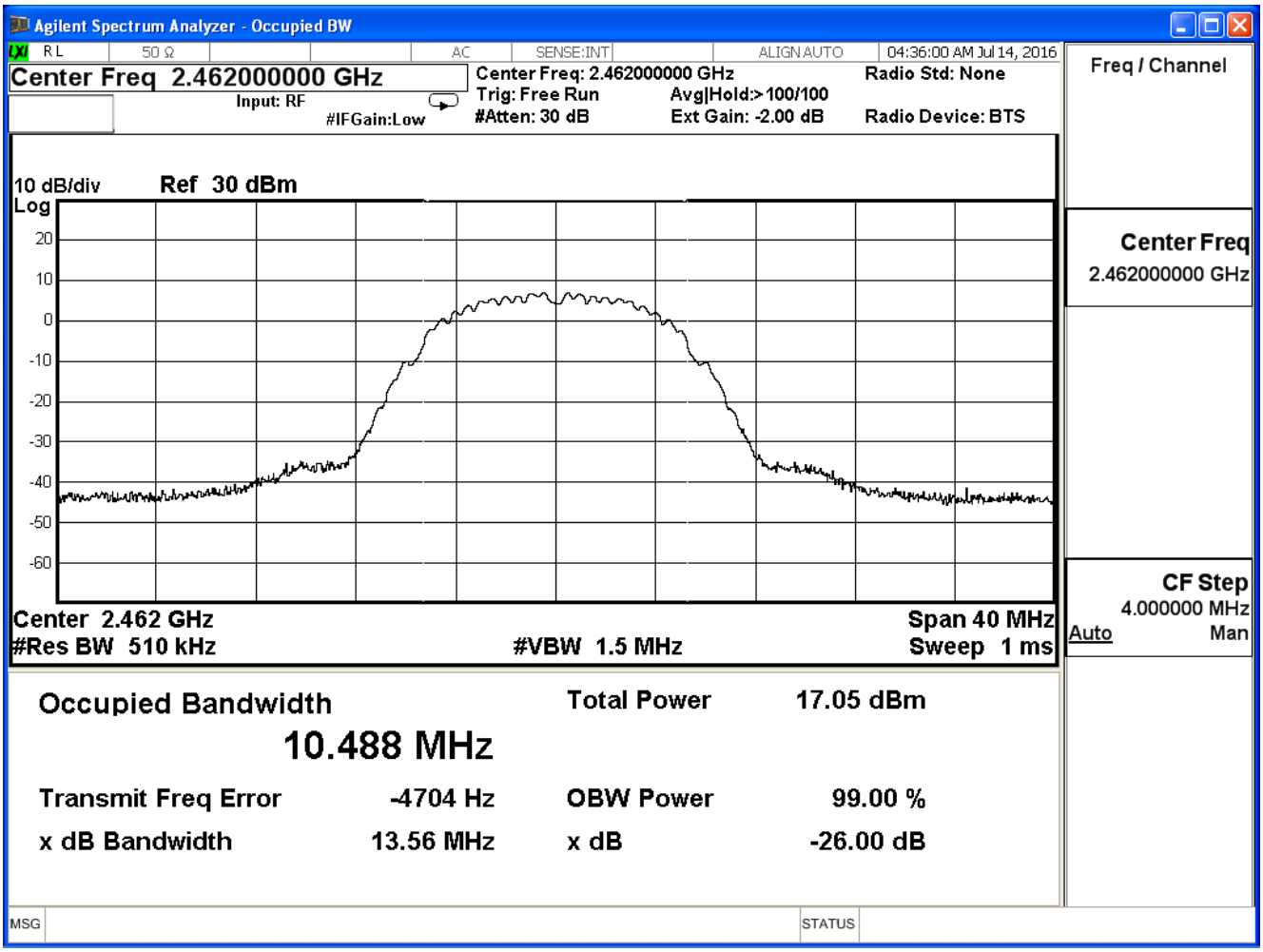
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:35:06 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
10.480 MHz
Total Power
19.31 dBm
Transmit Freq Error
-5775 Hz
OBW Power
99.00 %
x dB Bandwidth
13.57 MHz
x dB
-26.00 dB
MSG
STATUS

Channel 11

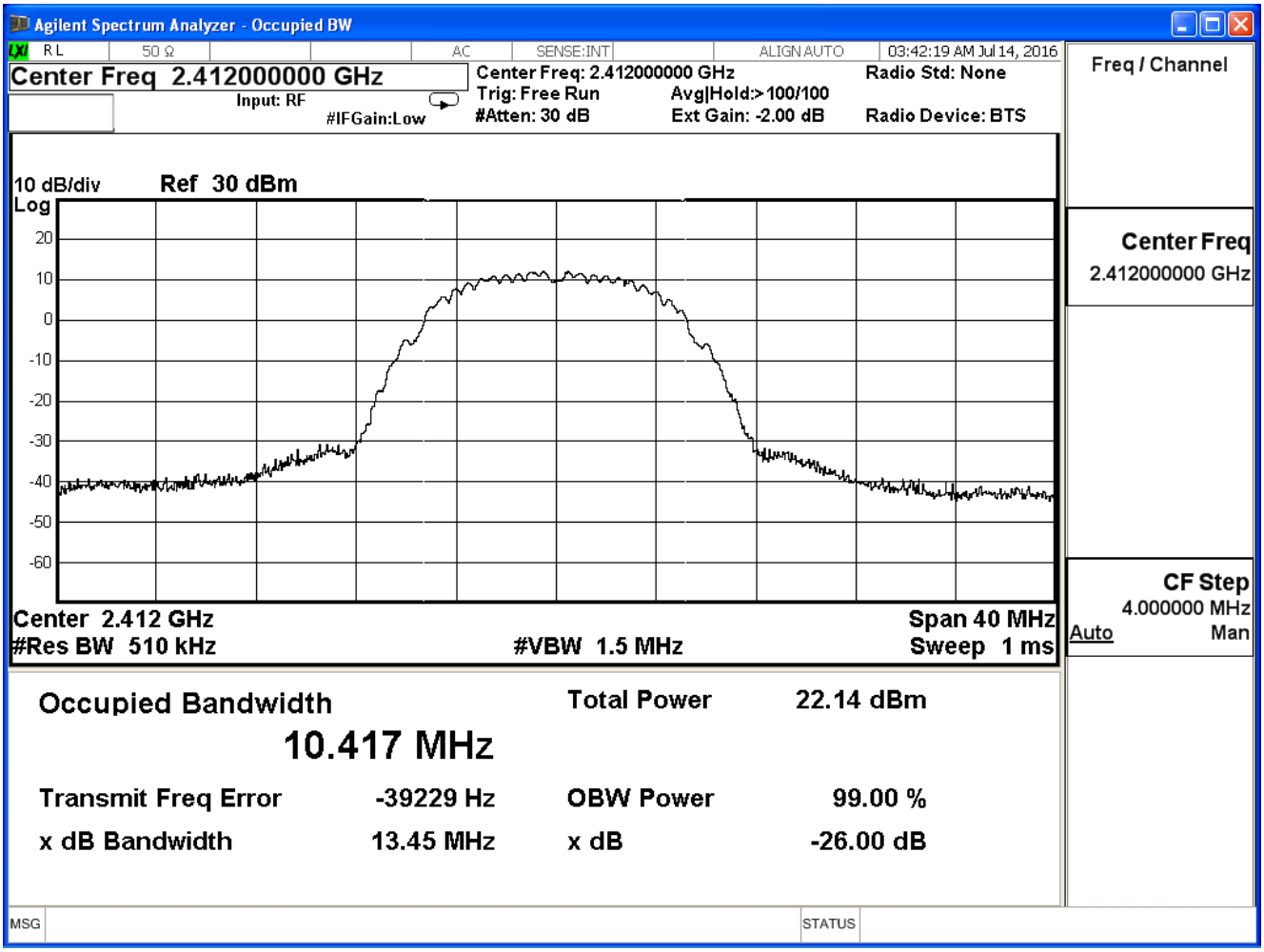

Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:36:00 AM Jul 14, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
10.488 MHz
Total Power
17.05 dBm
Transmit Freq Error
-4704 Hz
OBW Power
99.00 %
x dB Bandwidth
13.56 MHz
x dB
-26.00 dB
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

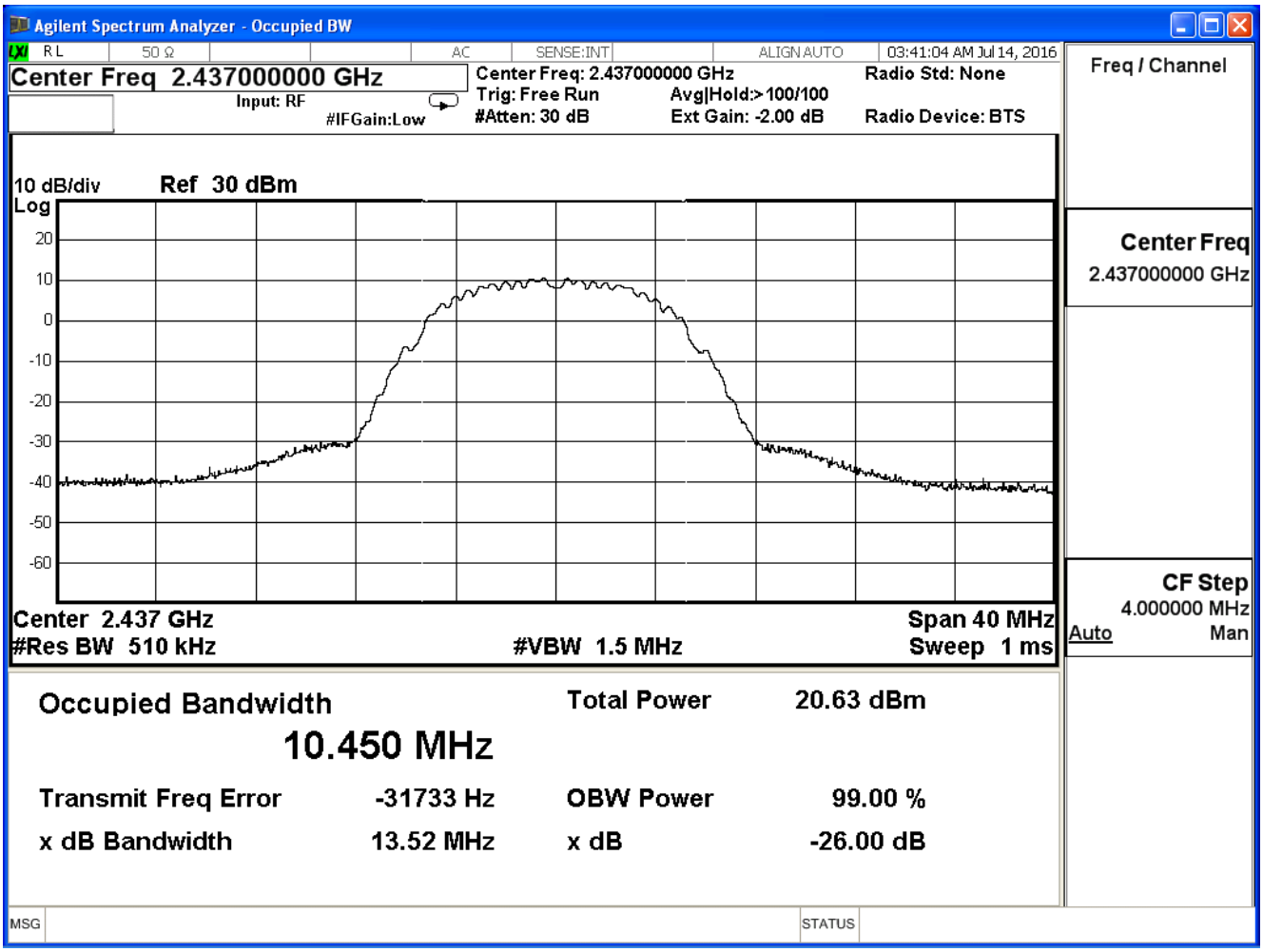
802.11 b (ANT 1)

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	10.42	--	Pass
6	2437	10.45	--	Pass
11	2462	10.45	--	Pass

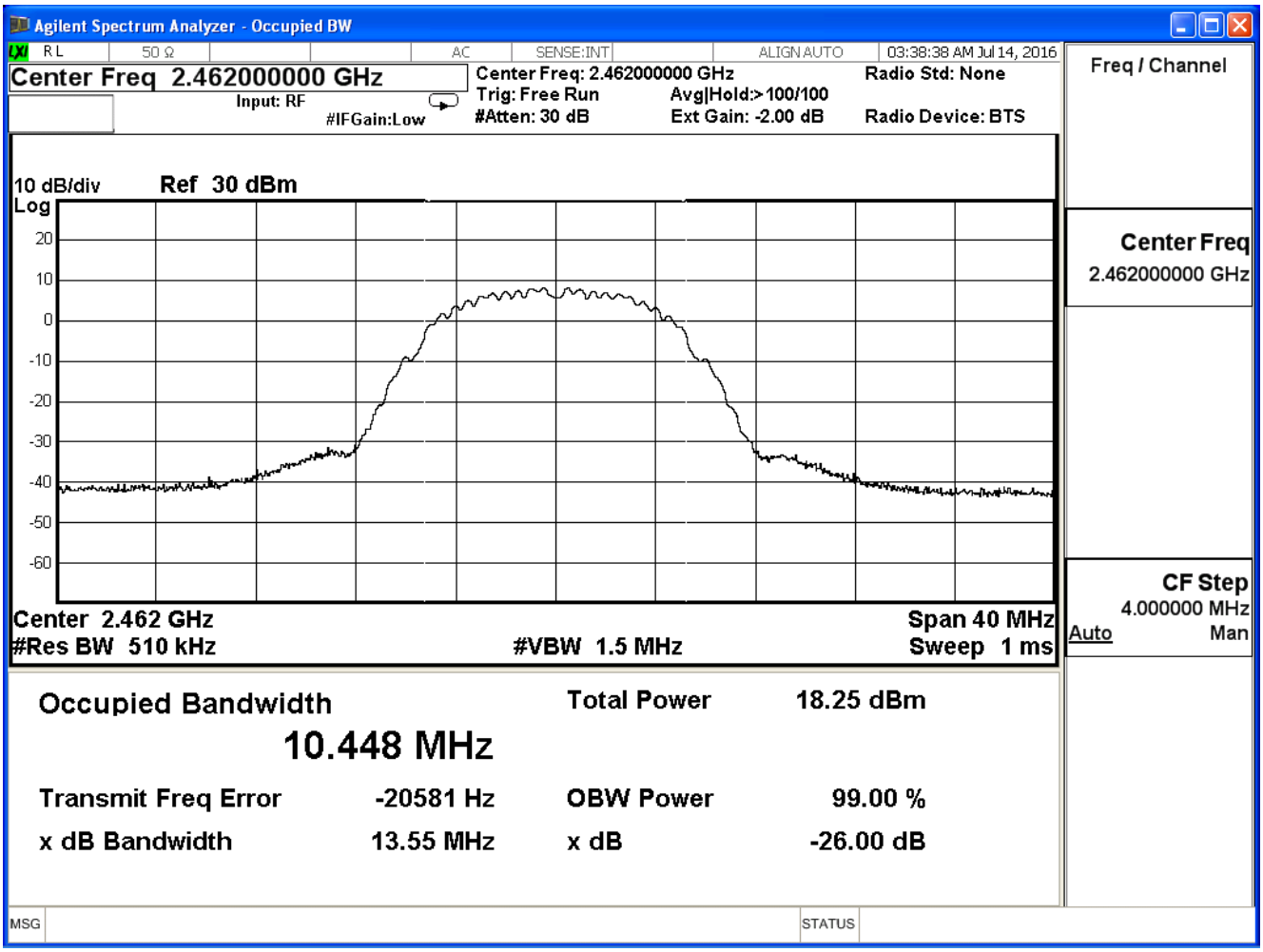
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:41:04 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
CF Step
4.000000 MHz
Auto
Man
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
10.450 MHz
Total Power
20.63 dBm
Transmit Freq Error
-31733 Hz
OBW Power
99.00 %
x dB Bandwidth
13.52 MHz
x dB
-26.00 dB
MSG
STATUS

Channel 11

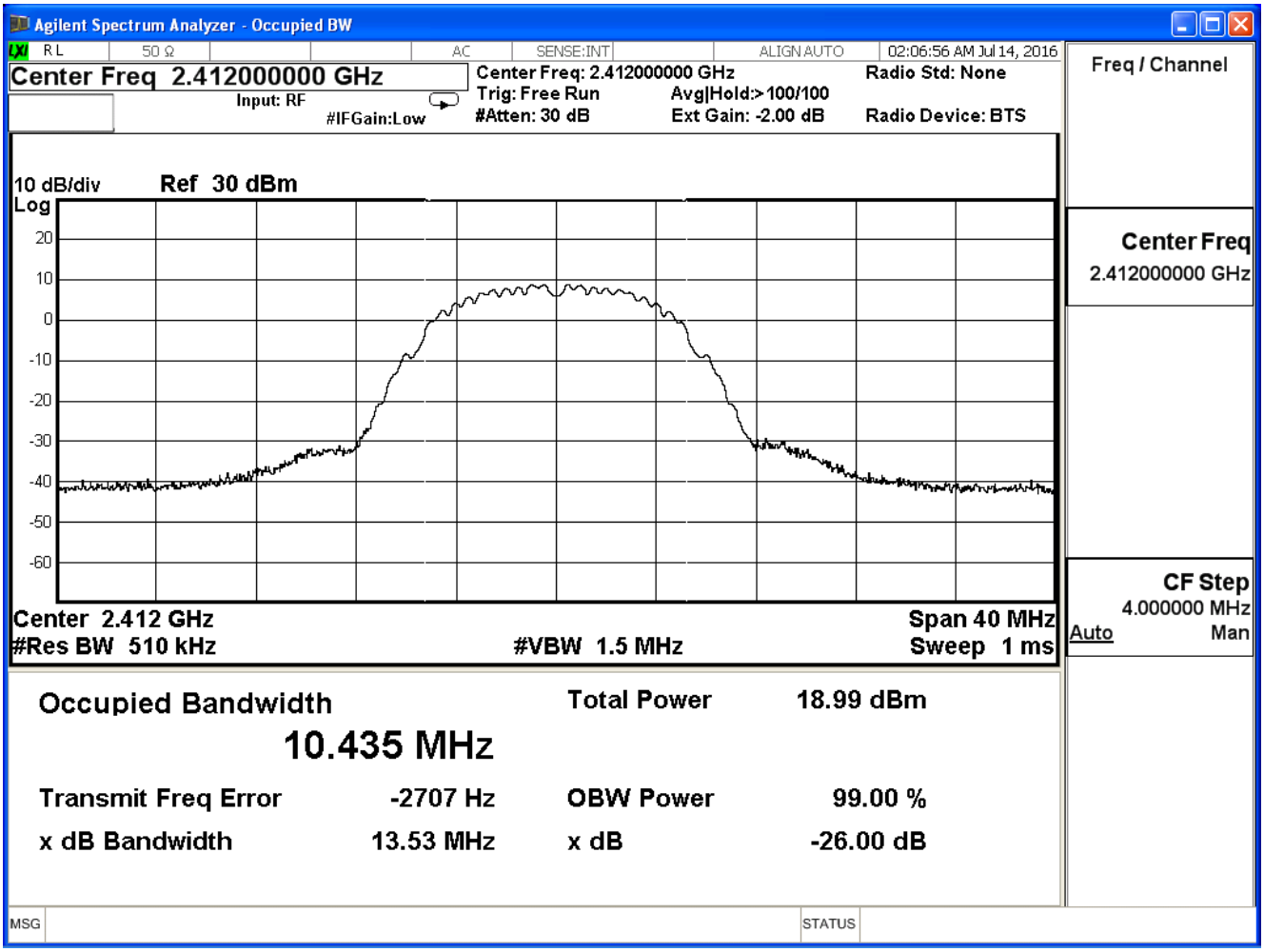

Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:38:38 AM Jul 14, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
10.448 MHz
Total Power
18.25 dBm
Transmit Freq Error
-20581 Hz
OBW Power
99.00 %
x dB Bandwidth
13.55 MHz
x dB
-26.00 dB
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

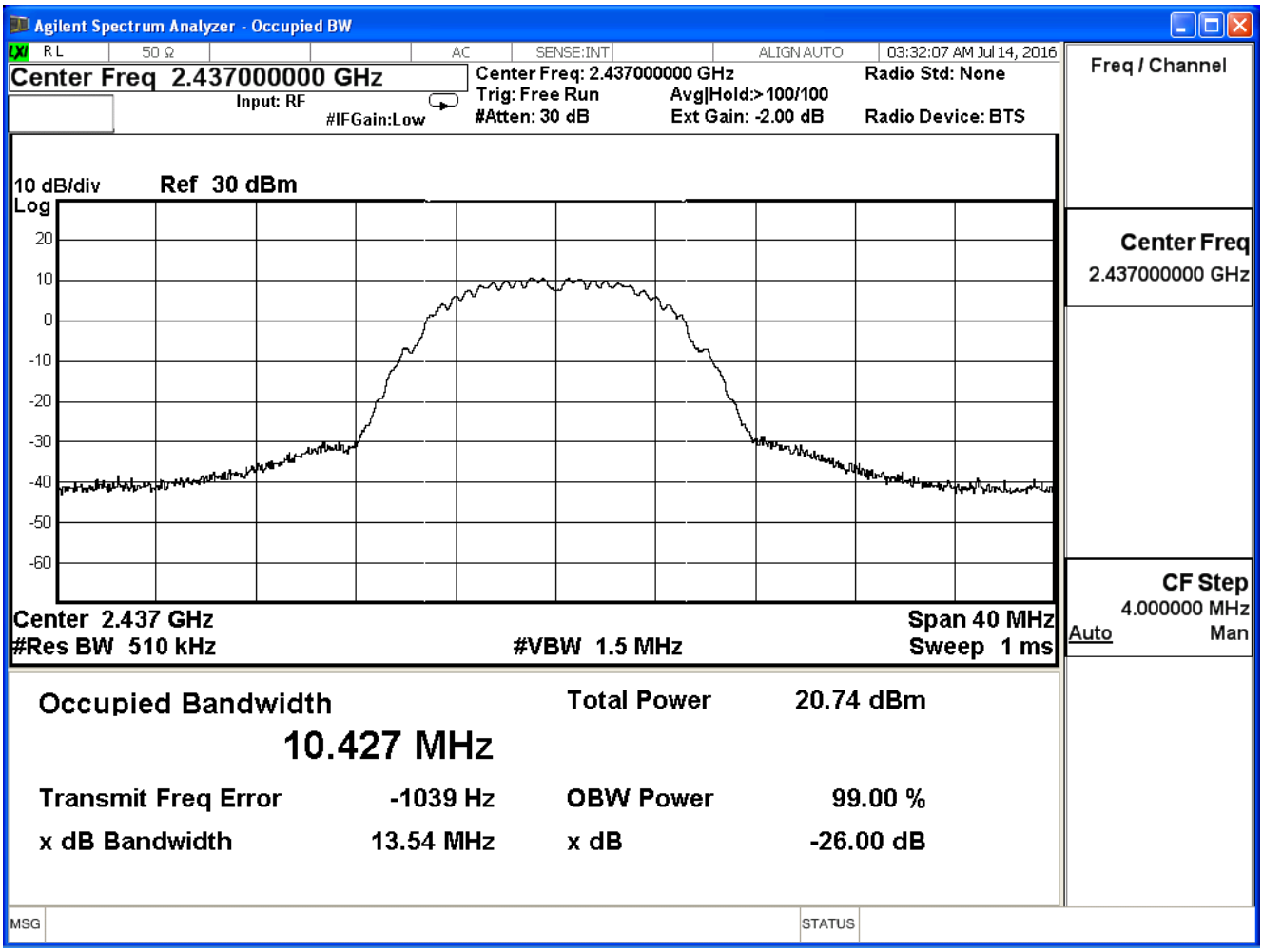
802.11 b (ANT 2)

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	10.44	--	Pass
6	2437	10.43	--	Pass
11	2462	10.47	--	Pass

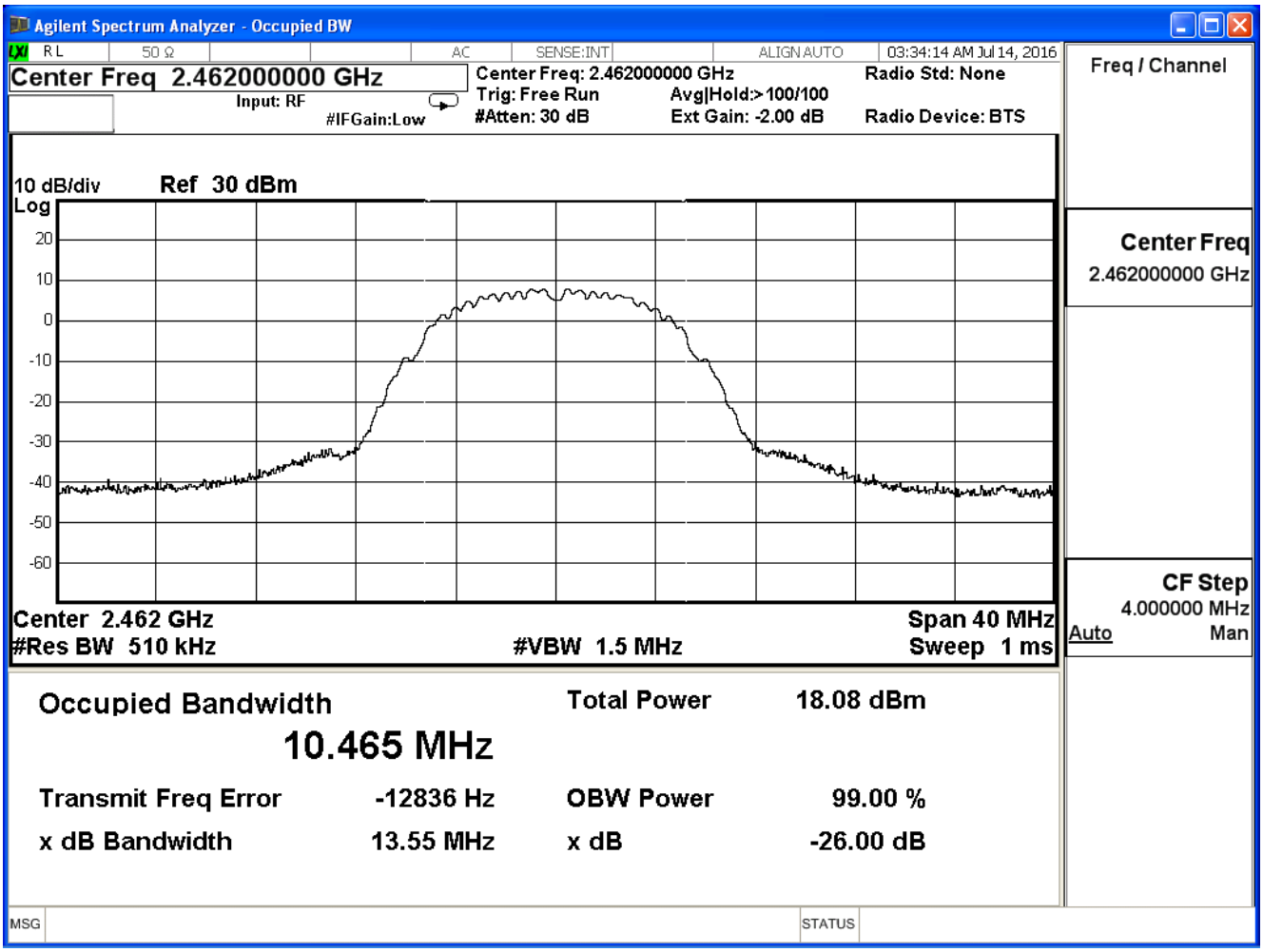
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:32:07 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
CF Step
4.000000 MHz
Auto
Man
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
10.427 MHz
Total Power
20.74 dBm
Transmit Freq Error
-1039 Hz
OBW Power
99.00 %
x dB Bandwidth
13.54 MHz
x dB
-26.00 dB
MSG
STATUS

Channel 11

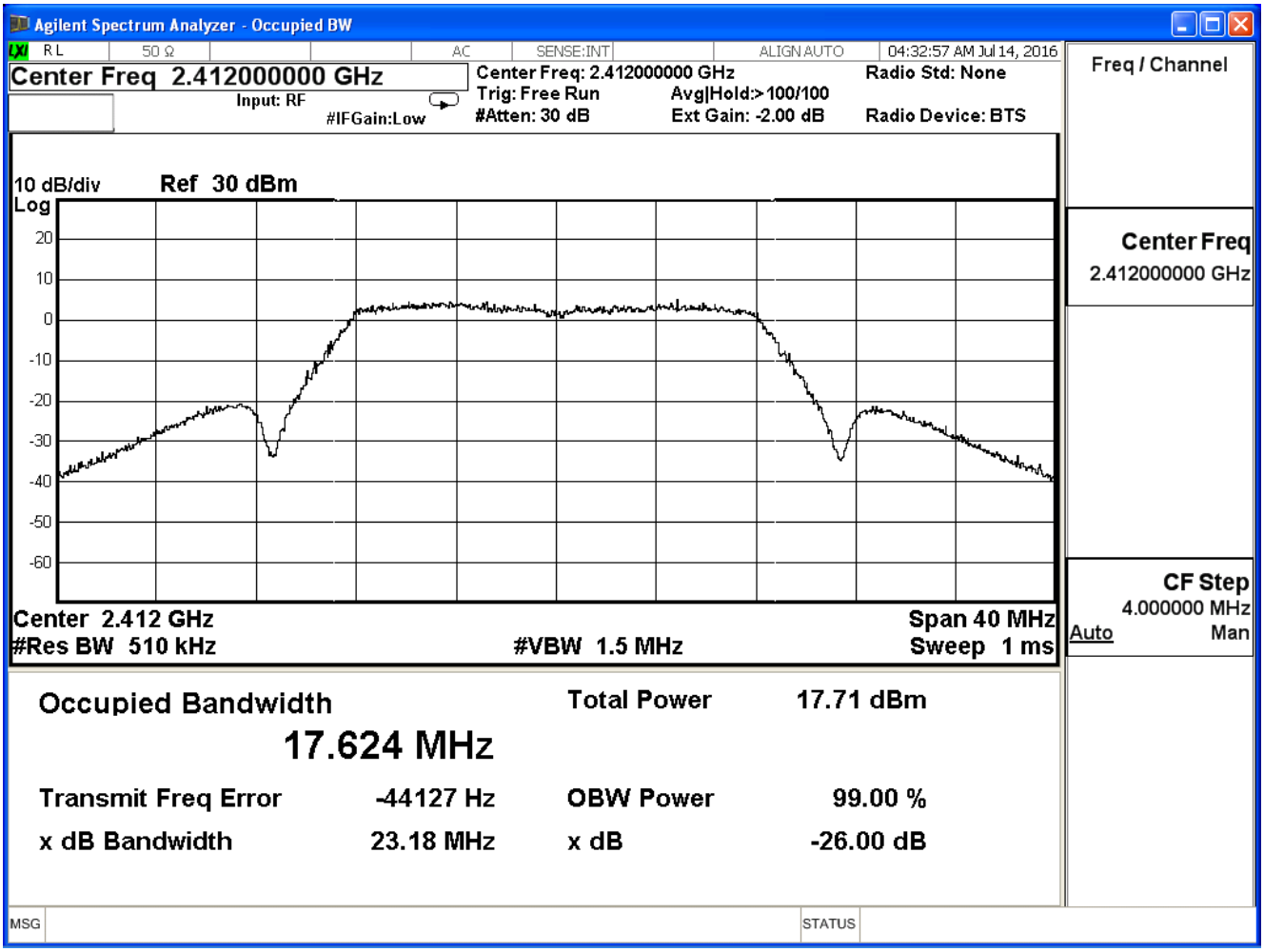

Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:34:14 AM Jul 14, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
10.465 MHz
Total Power
18.08 dBm
Transmit Freq Error
-12836 Hz
OBW Power
99.00 %
x dB Bandwidth
13.55 MHz
x dB
-26.00 dB
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

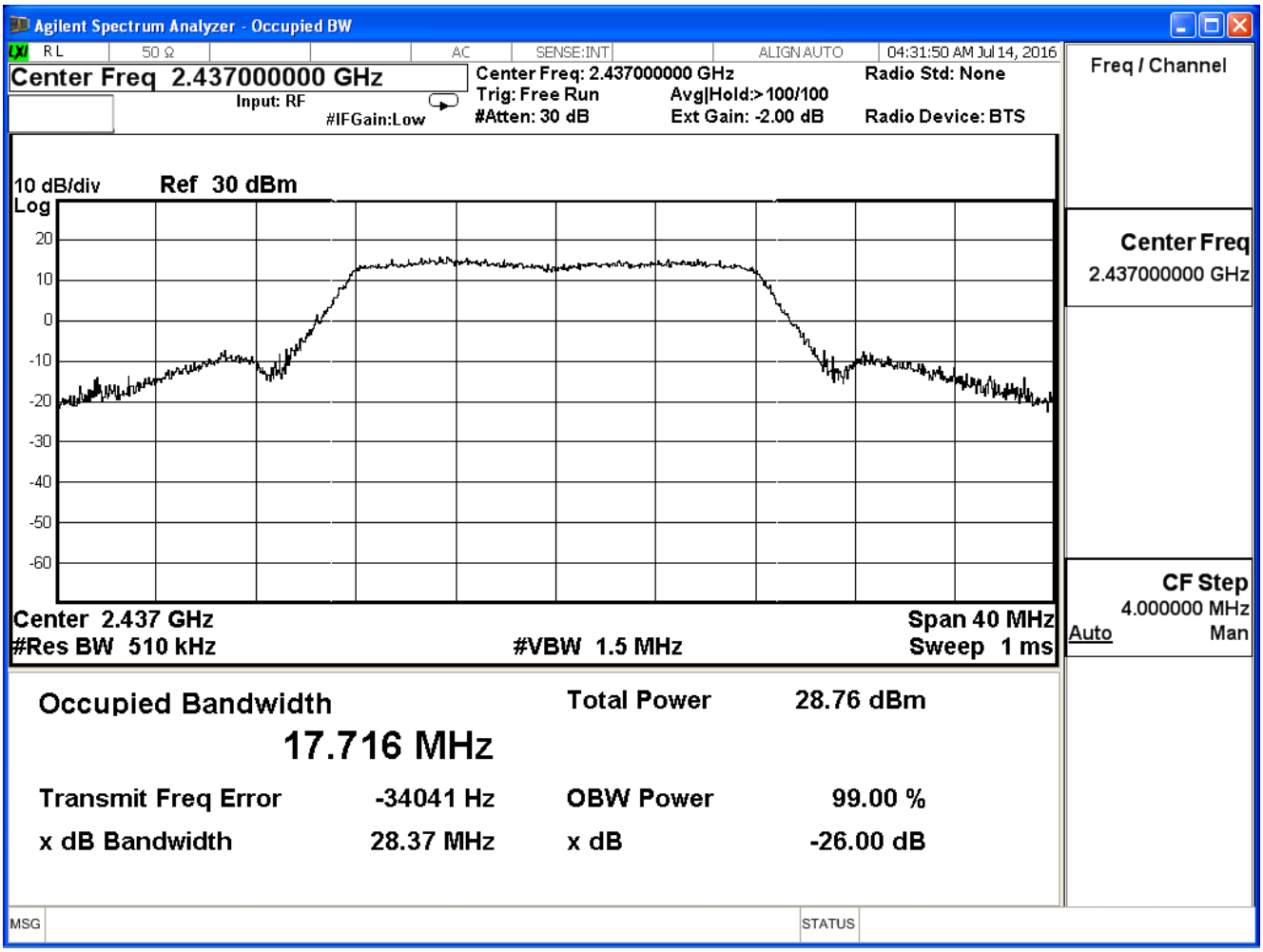
IEEE 802.11g (ANT 0)

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	17.62	--	Pass
6	2437	17.72	--	Pass
11	2462	17.60	--	Pass

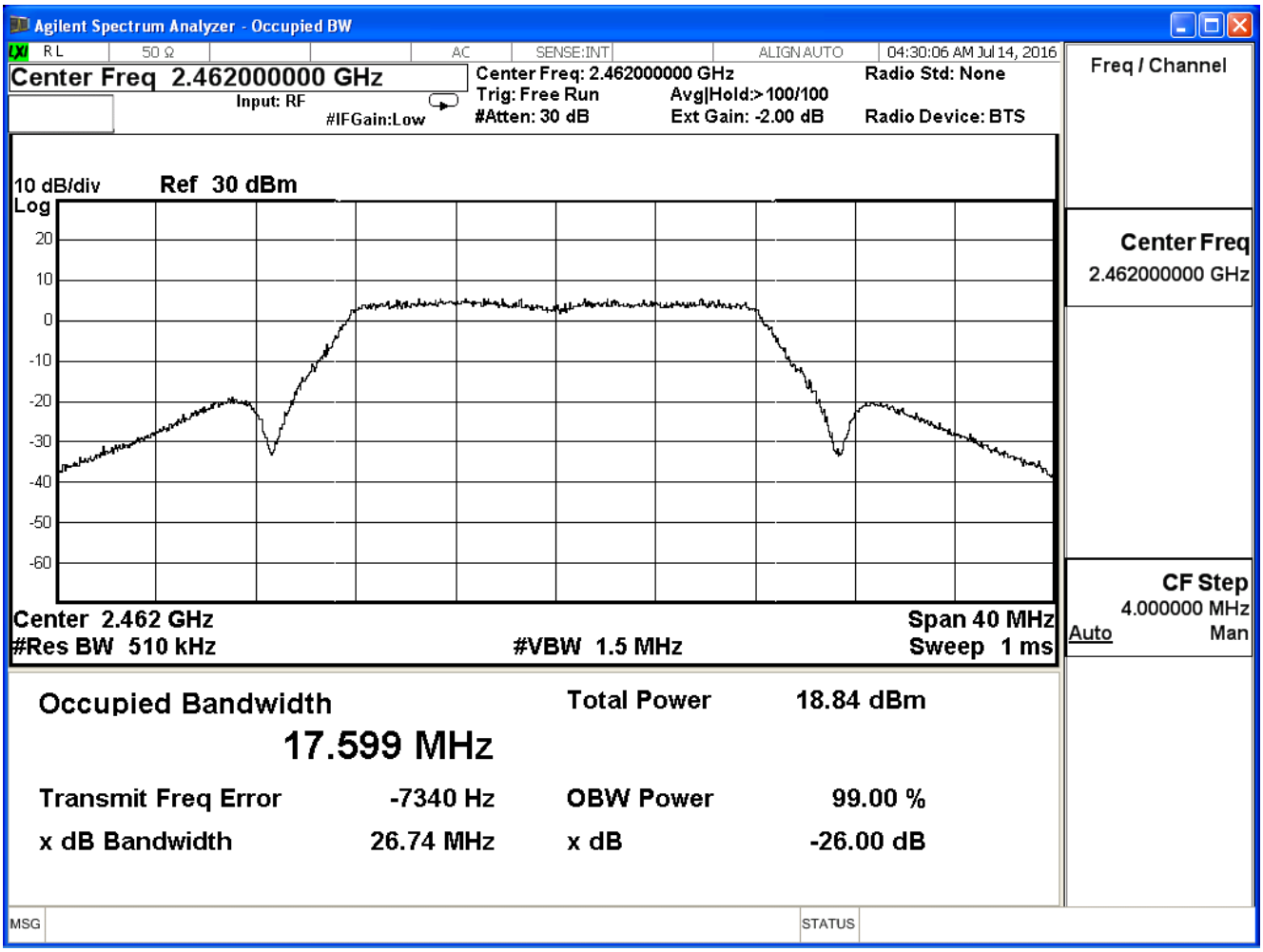
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:31:50 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.716 MHz
Total Power
28.76 dBm
Transmit Freq Error
-34041 Hz
OBW Power
99.00 %
x dB Bandwidth
28.37 MHz
x dB
-26.00 dB
MSG
STATUS

Channel 11

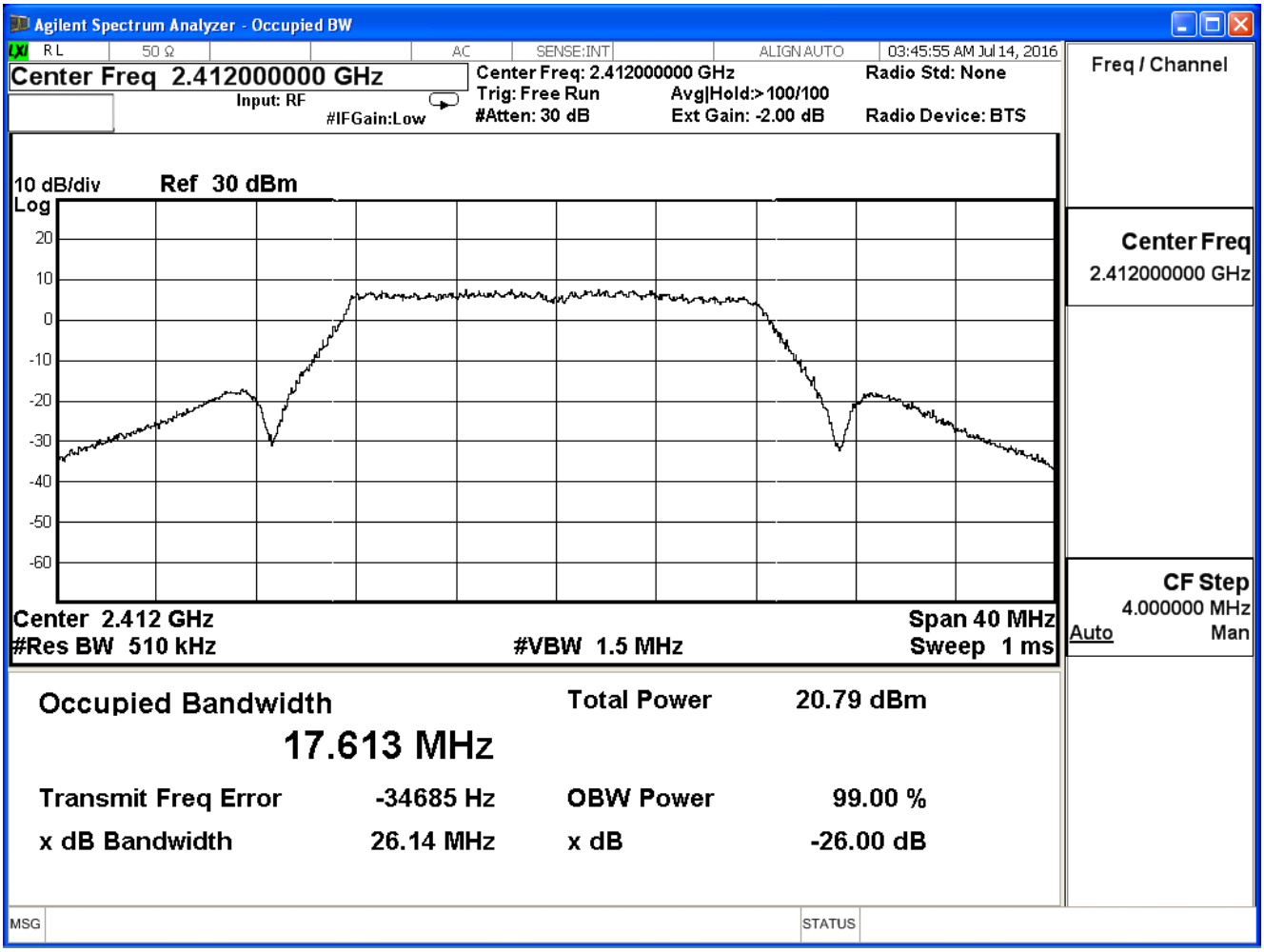

Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:30:06 AM Jul 14, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.599 MHz
Total Power
18.84 dBm
Transmit Freq Error
-7340 Hz
OBW Power
99.00 %
x dB Bandwidth
26.74 MHz
x dB
-26.00 dB
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

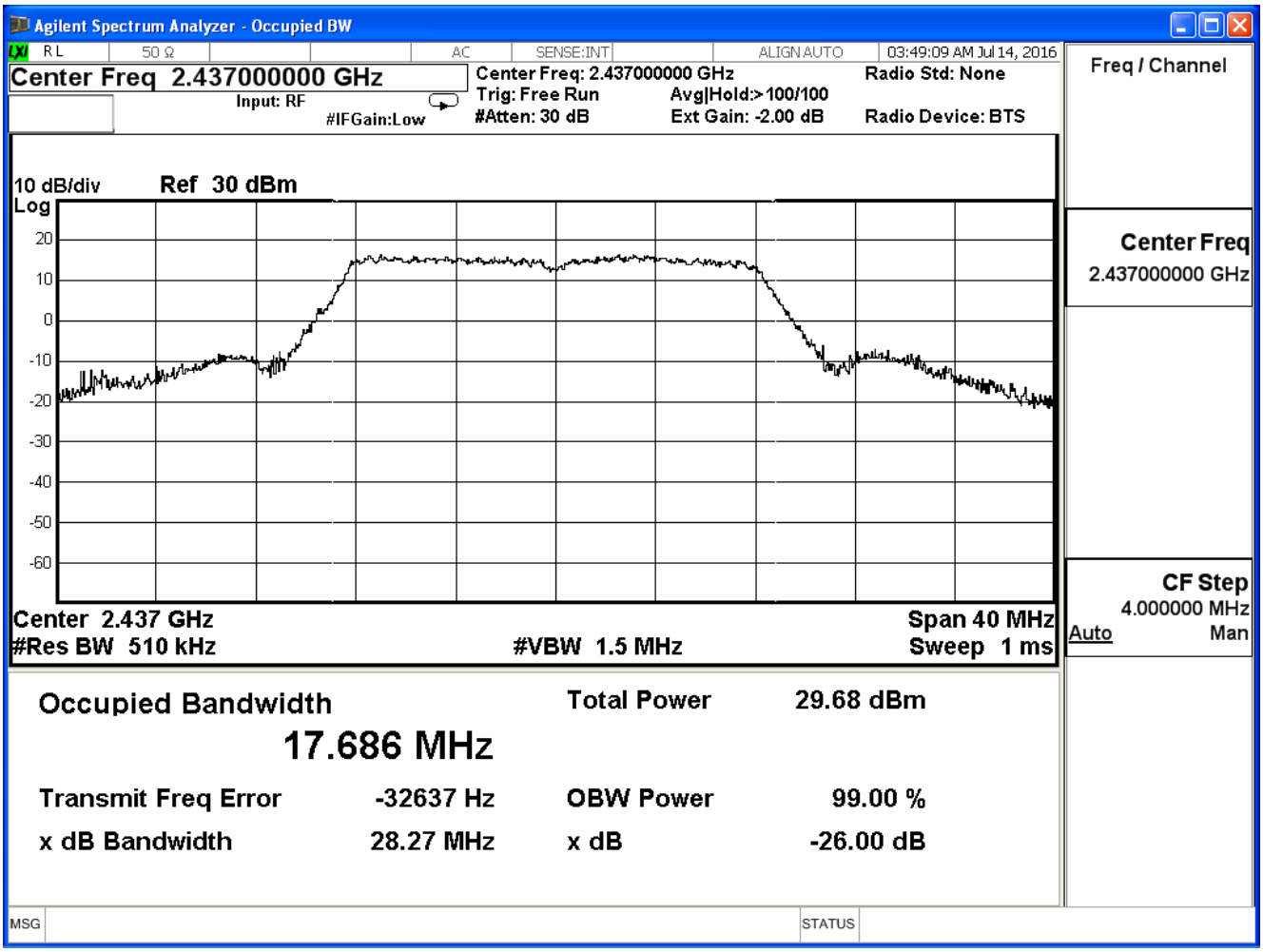
IEEE 802.11g (ANT 1)

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	17.61	--	Pass
6	2437	17.69	--	Pass
11	2462	17.43	--	Pass

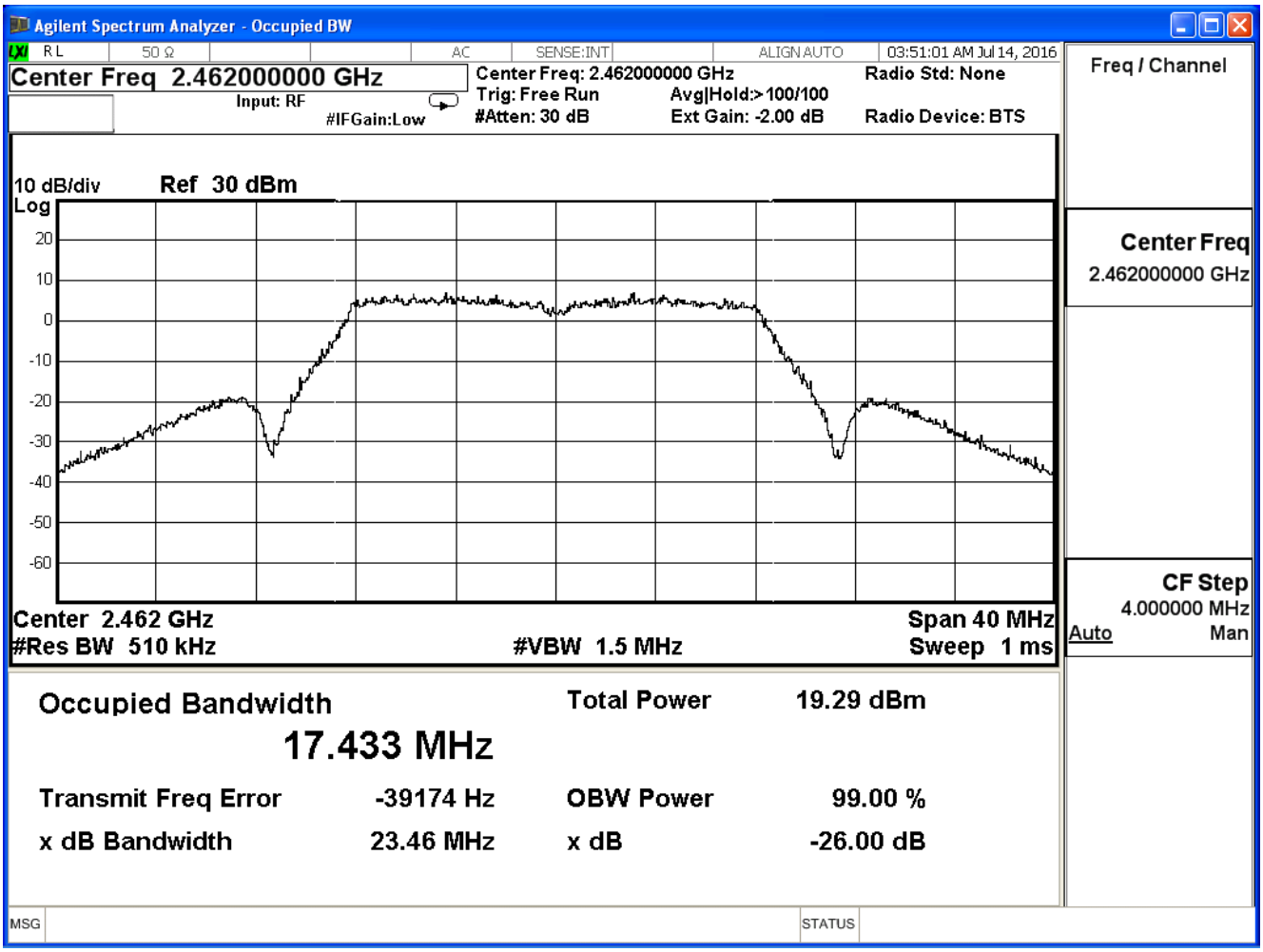
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:49:09 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.686 MHz
Total Power
29.68 dBm
Transmit Freq Error
-32637 Hz
OBW Power
99.00 %
x dB Bandwidth
28.27 MHz
x dB
-26.00 dB
MSG
STATUS

Channel 11

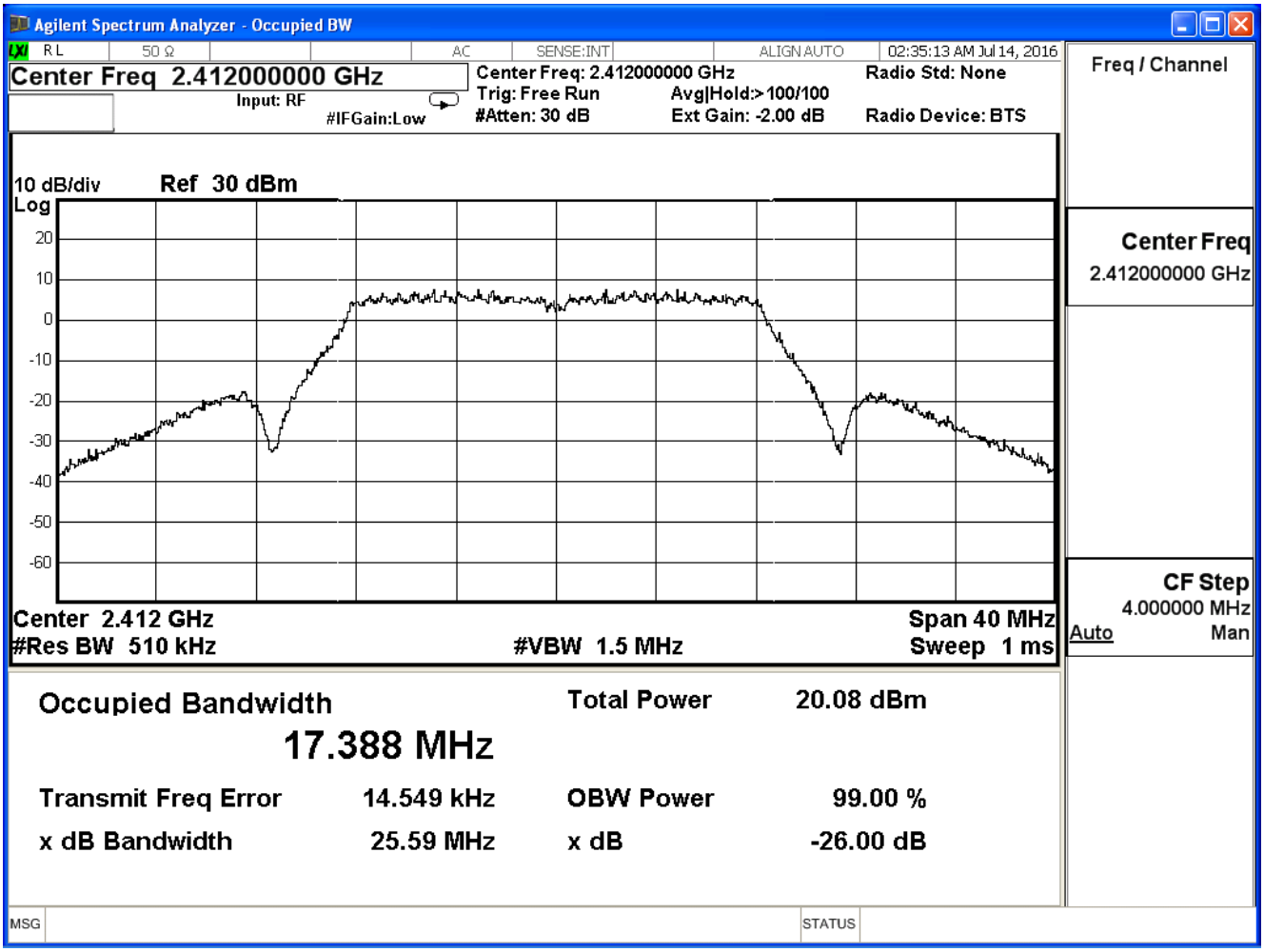

Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:51:01 AM Jul 14, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.433 MHz
Total Power
19.29 dBm
Transmit Freq Error
-39174 Hz
OBW Power
99.00 %
x dB Bandwidth
23.46 MHz
x dB
-26.00 dB
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

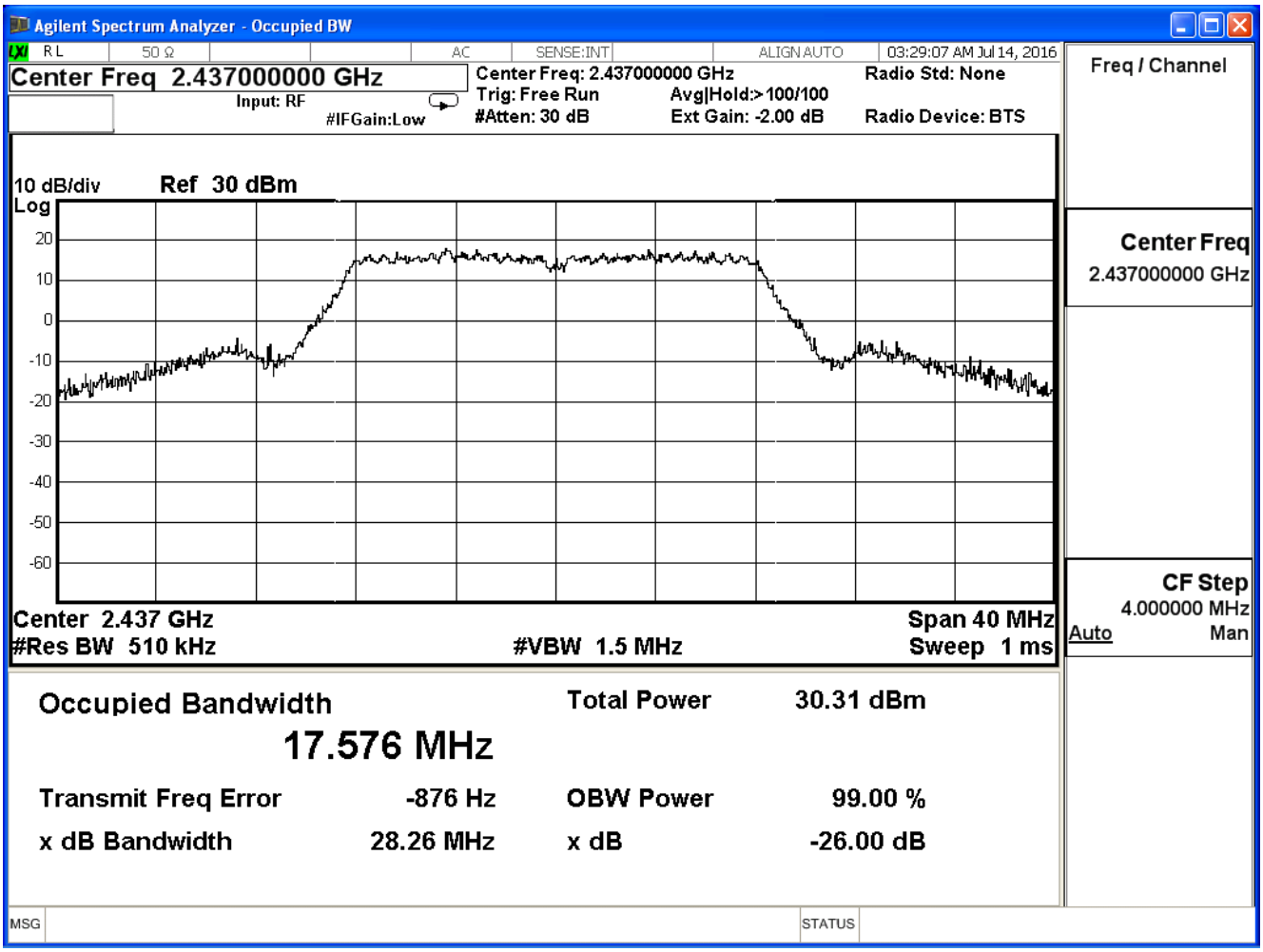
IEEE 802.11g (ANT 2)

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	17.39	--	Pass
6	2437	17.58	--	Pass
11	2462	17.42	--	Pass

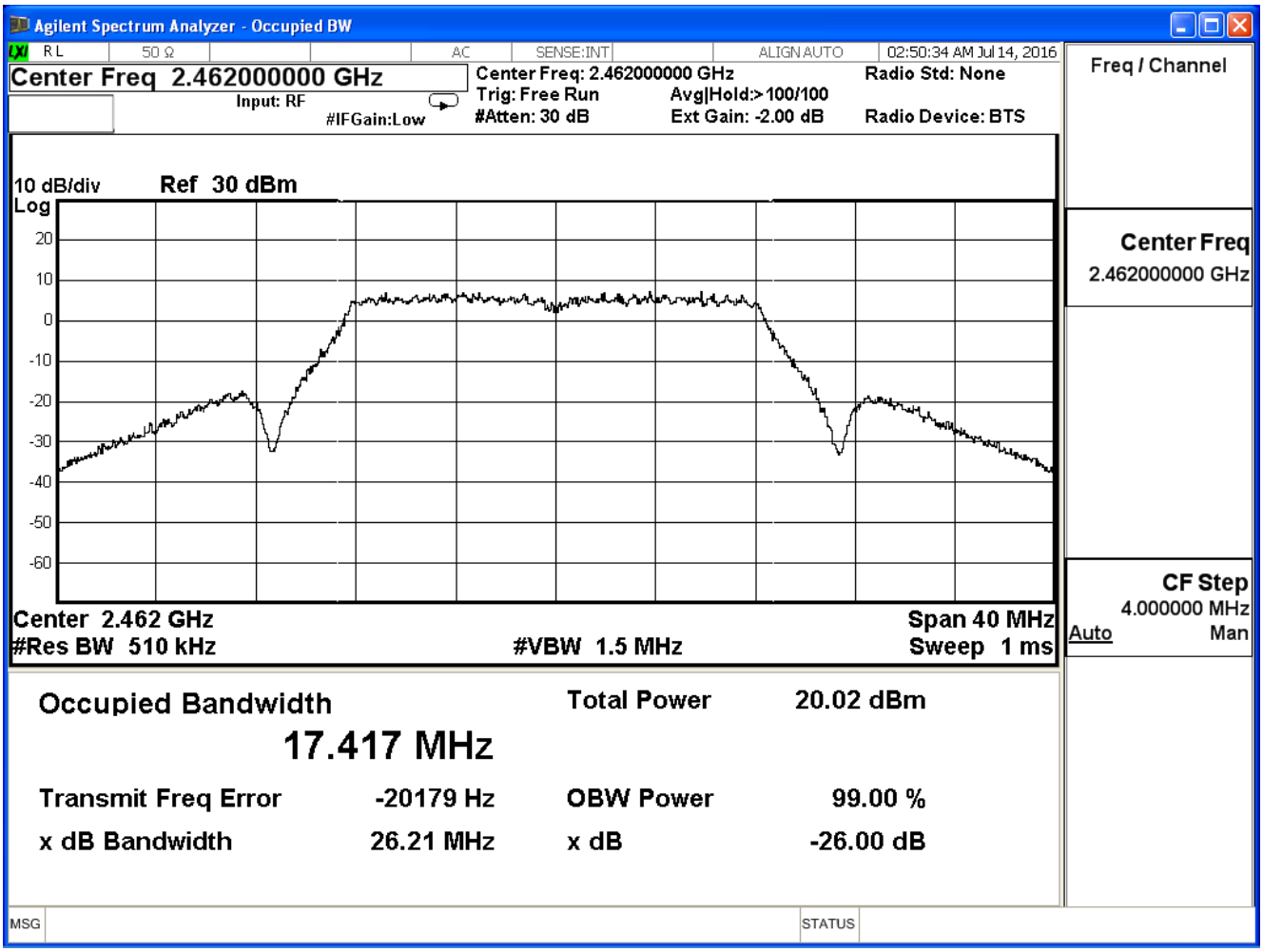
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:29:07 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.576 MHz
Total Power
30.31 dBm
Transmit Freq Error
-876 Hz
OBW Power
99.00 %
x dB Bandwidth
28.26 MHz
x dB
-26.00 dB
MSG
STATUS

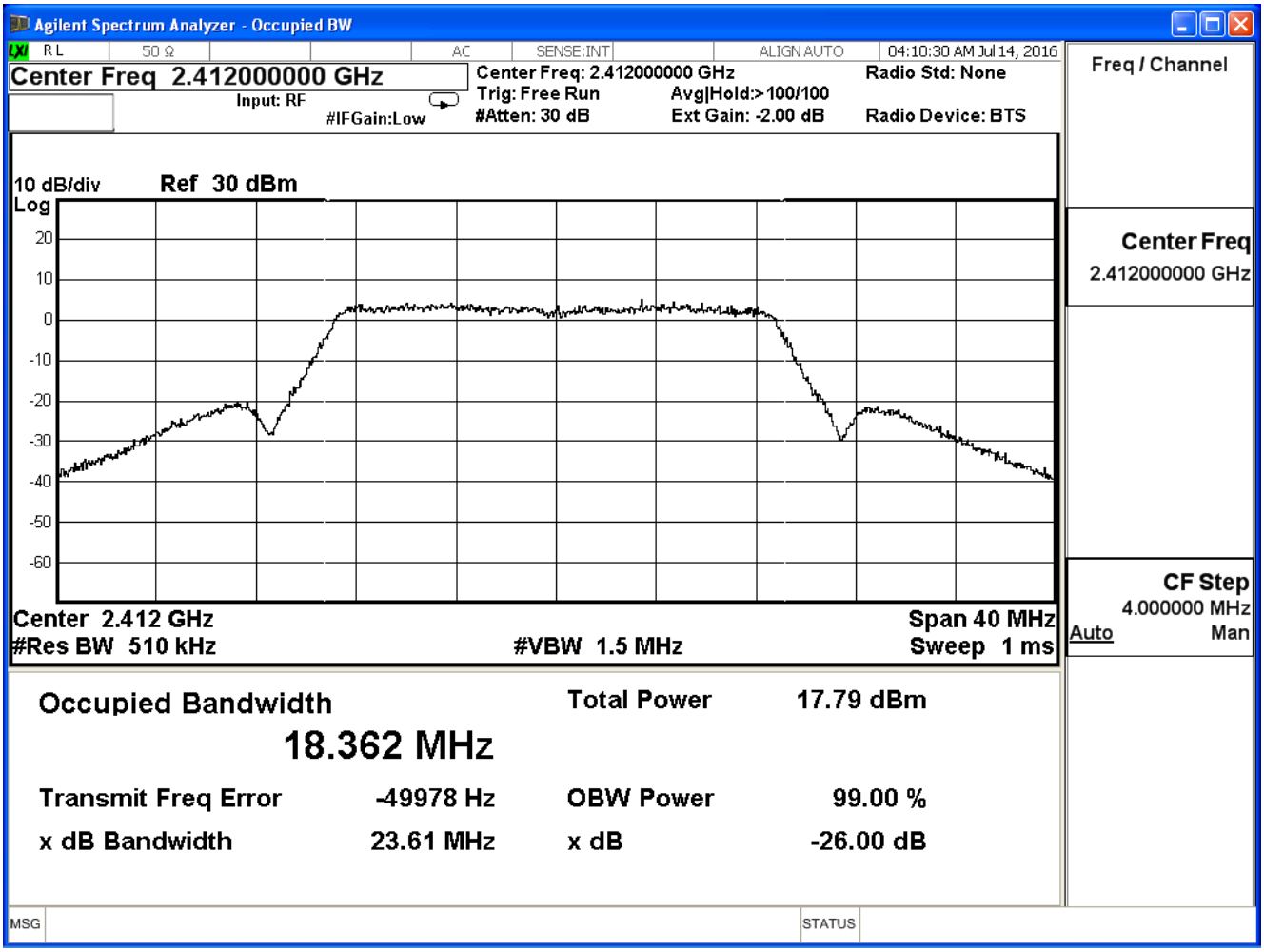
Channel 11


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:50:34 AM Jul 14, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.417 MHz
Total Power
20.02 dBm
Transmit Freq Error
-20179 Hz
OBW Power
99.00 %
x dB Bandwidth
26.21 MHz
x dB
-26.00 dB
MSG
STATUS

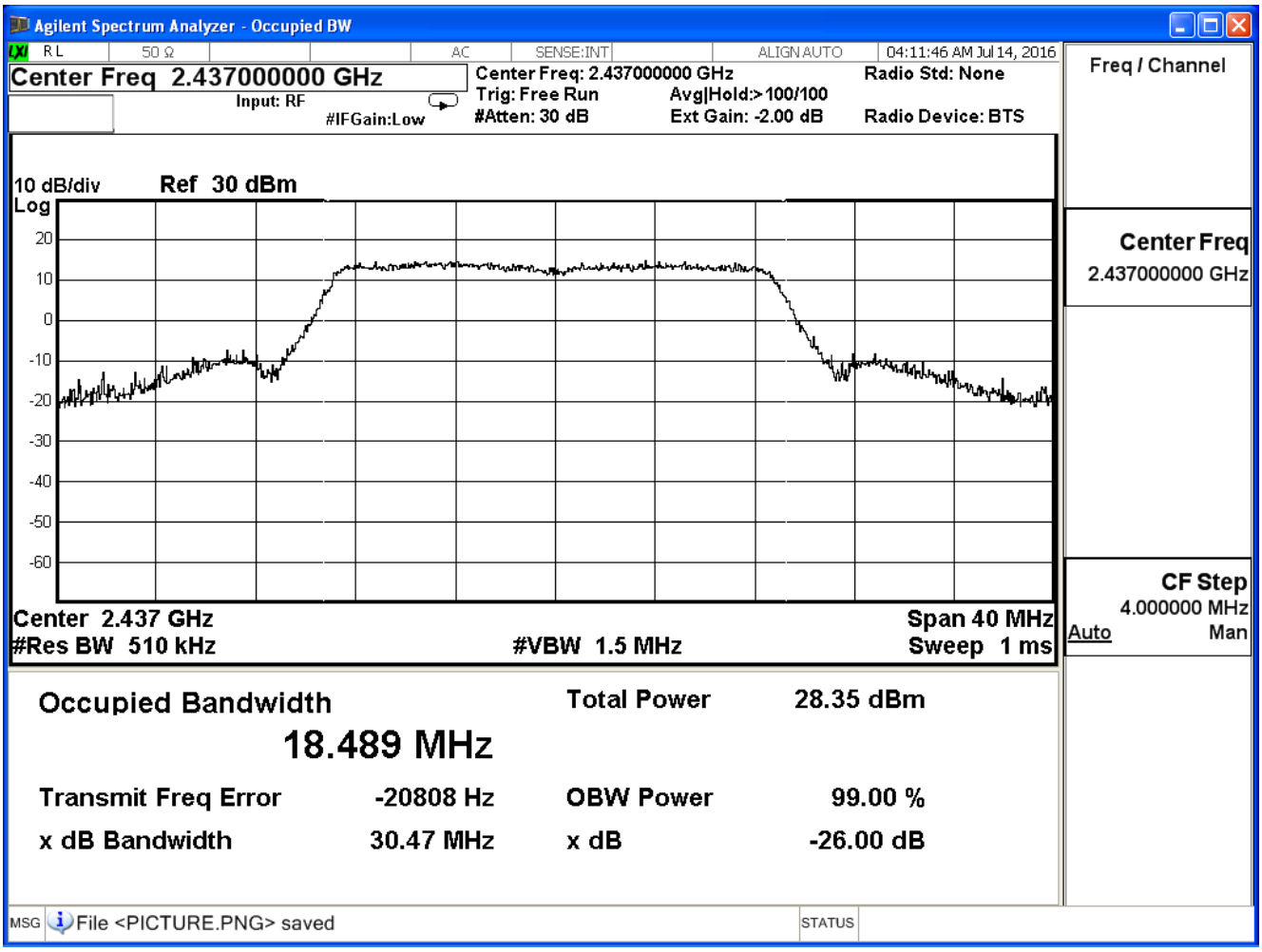
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	18.36	--	Pass
6	2437	18.49	--	Pass
11	2462	18.38	--	Pass

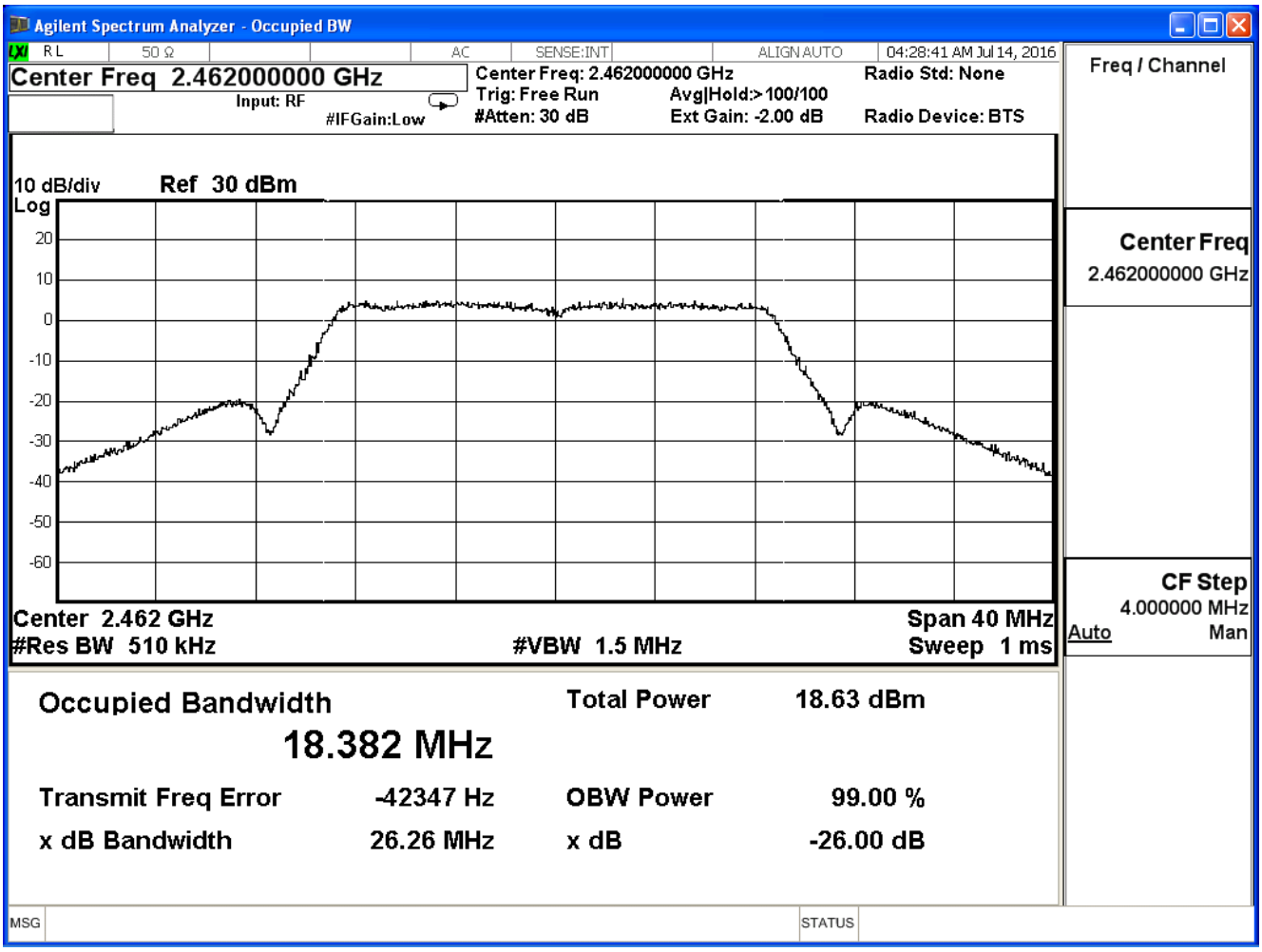
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:11:46 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.489 MHz
Total Power
28.35 dBm
Transmit Freq Error
-20808 Hz
OBW Power
99.00 %
x dB Bandwidth
30.47 MHz
x dB
-26.00 dB
MSG
File <PICTURE.PNG> saved
STATUS

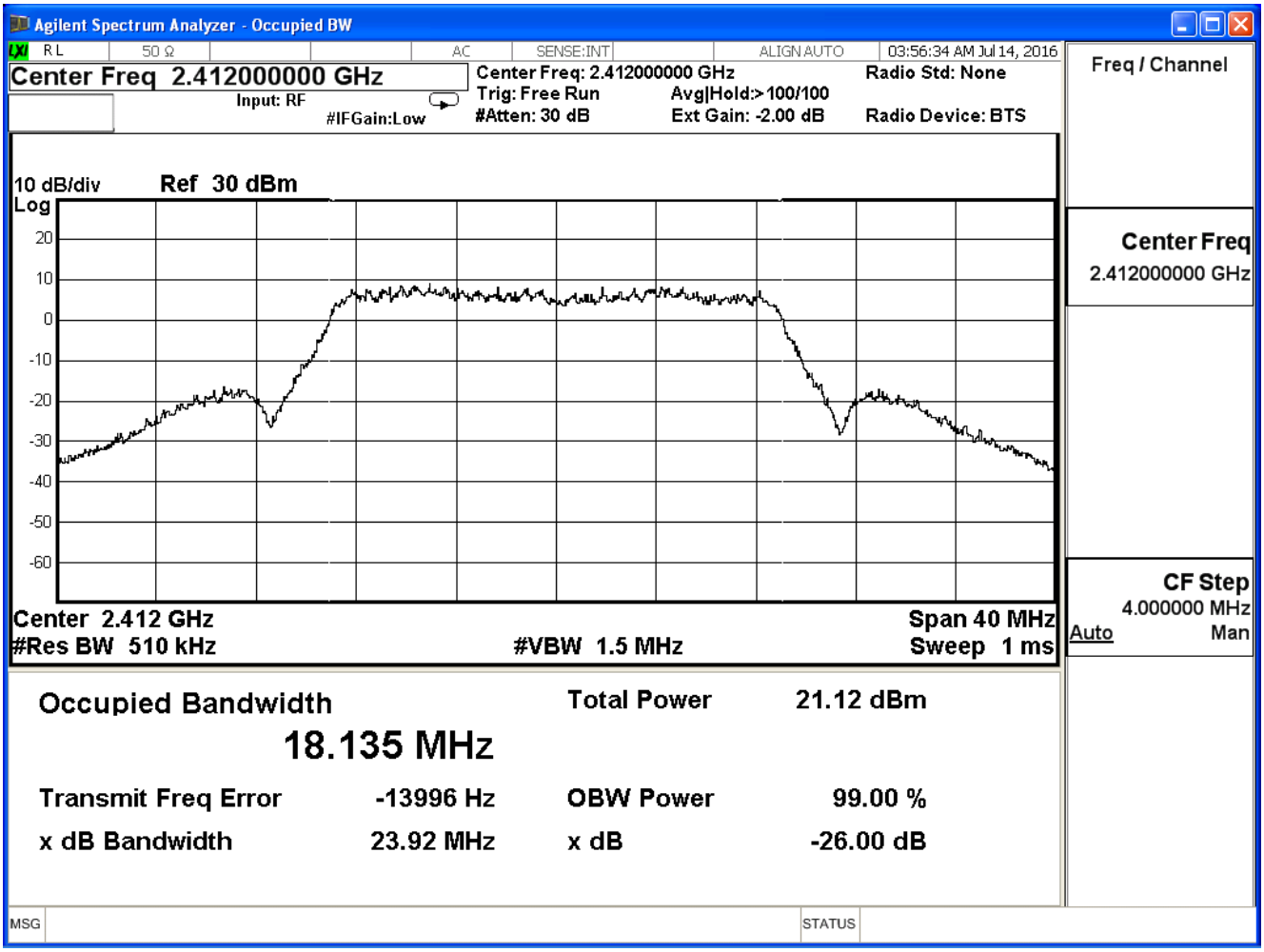
Channel 11


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:28:41 AM Jul 14, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.382 MHz
Total Power
18.63 dBm
Transmit Freq Error
-42347 Hz
OBW Power
99.00 %
x dB Bandwidth
26.26 MHz
x dB
-26.00 dB
MSG
STATUS

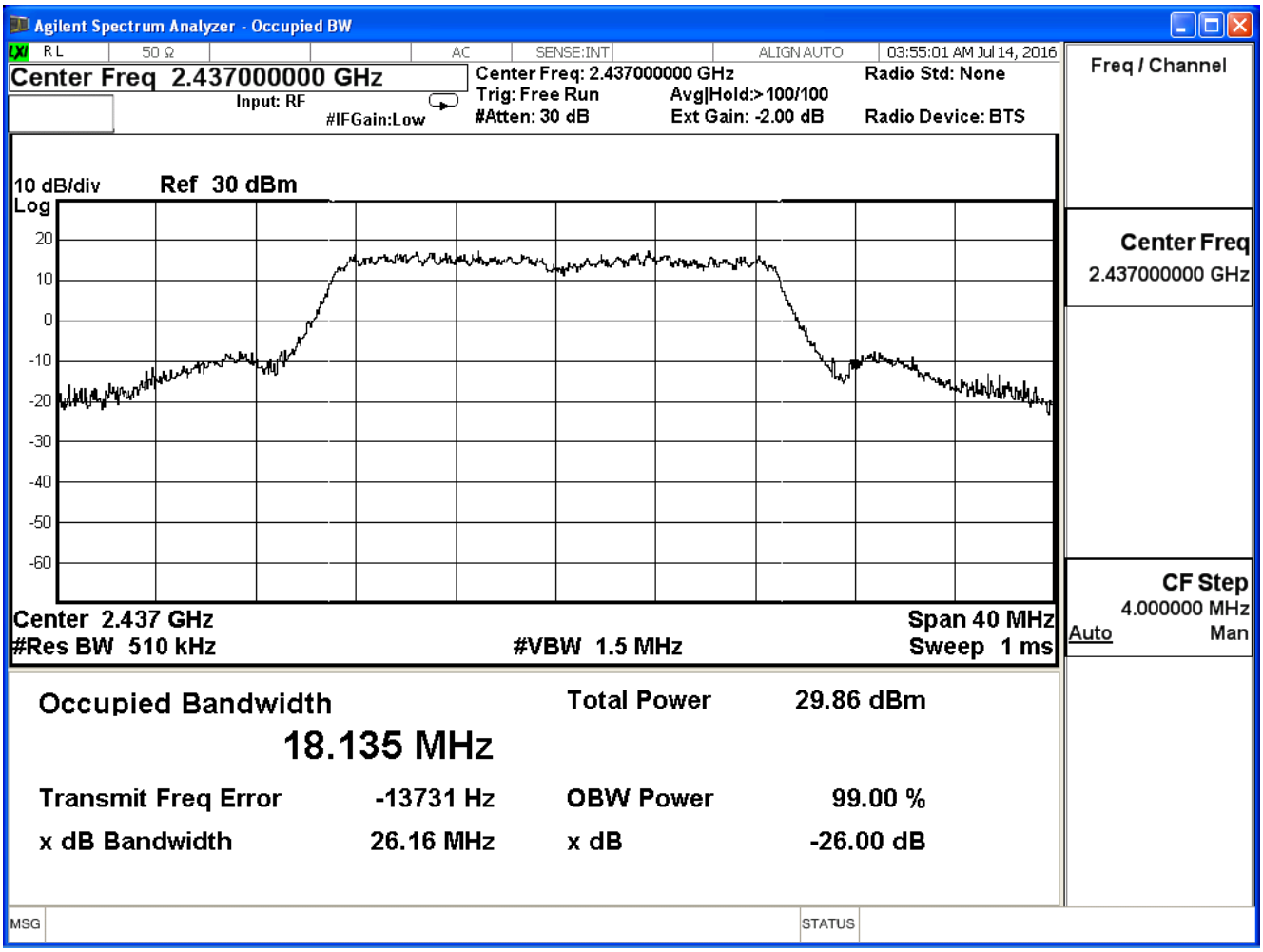
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	18.14	--	Pass
6	2437	18.14	--	Pass
11	2462	18.12	--	Pass

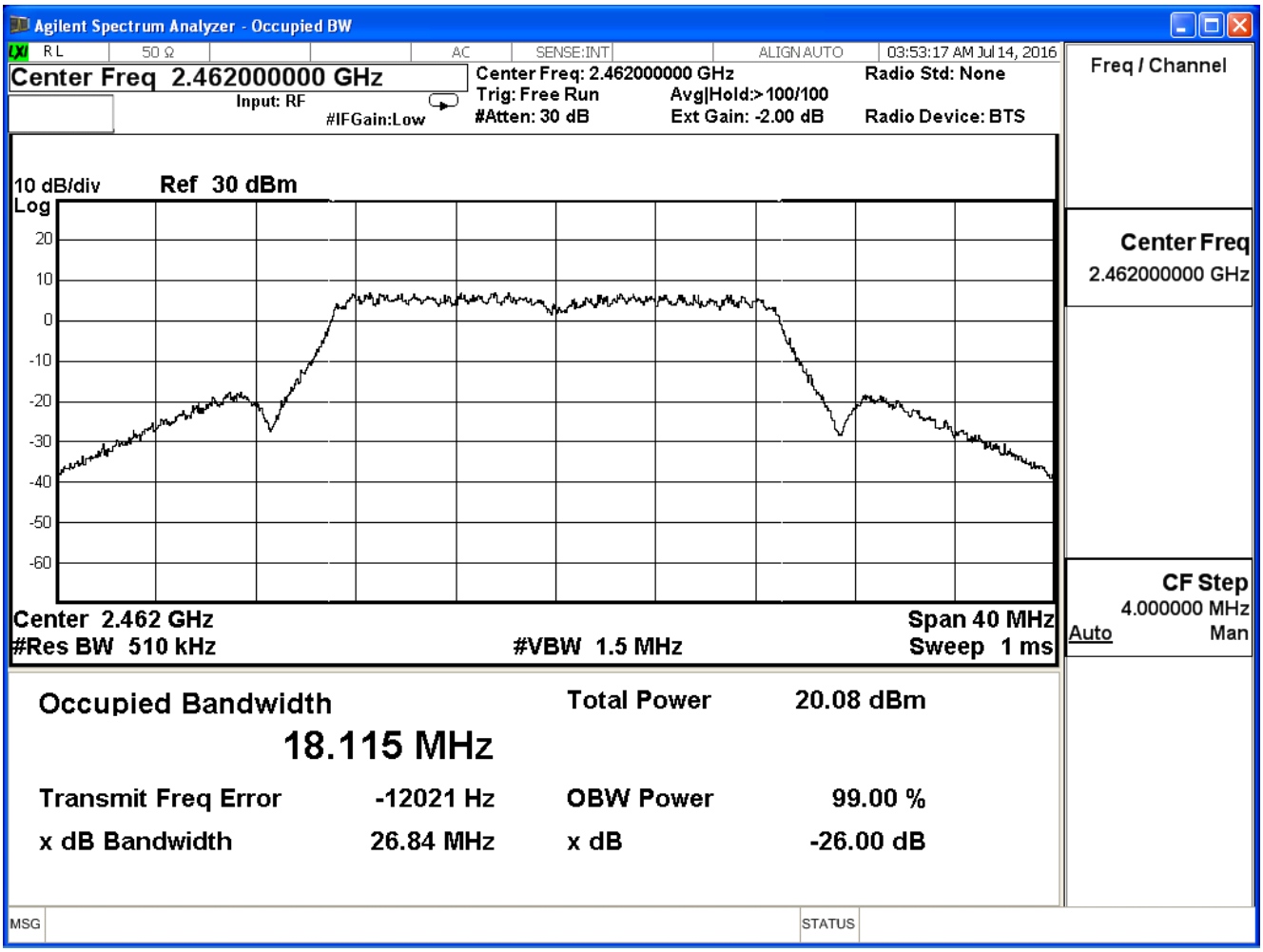
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:55:01 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.135 MHz
Total Power
29.86 dBm
Transmit Freq Error
-13731 Hz
OBW Power
99.00 %
x dB Bandwidth
26.16 MHz
x dB
-26.00 dB
MSG
STATUS

Channel 11

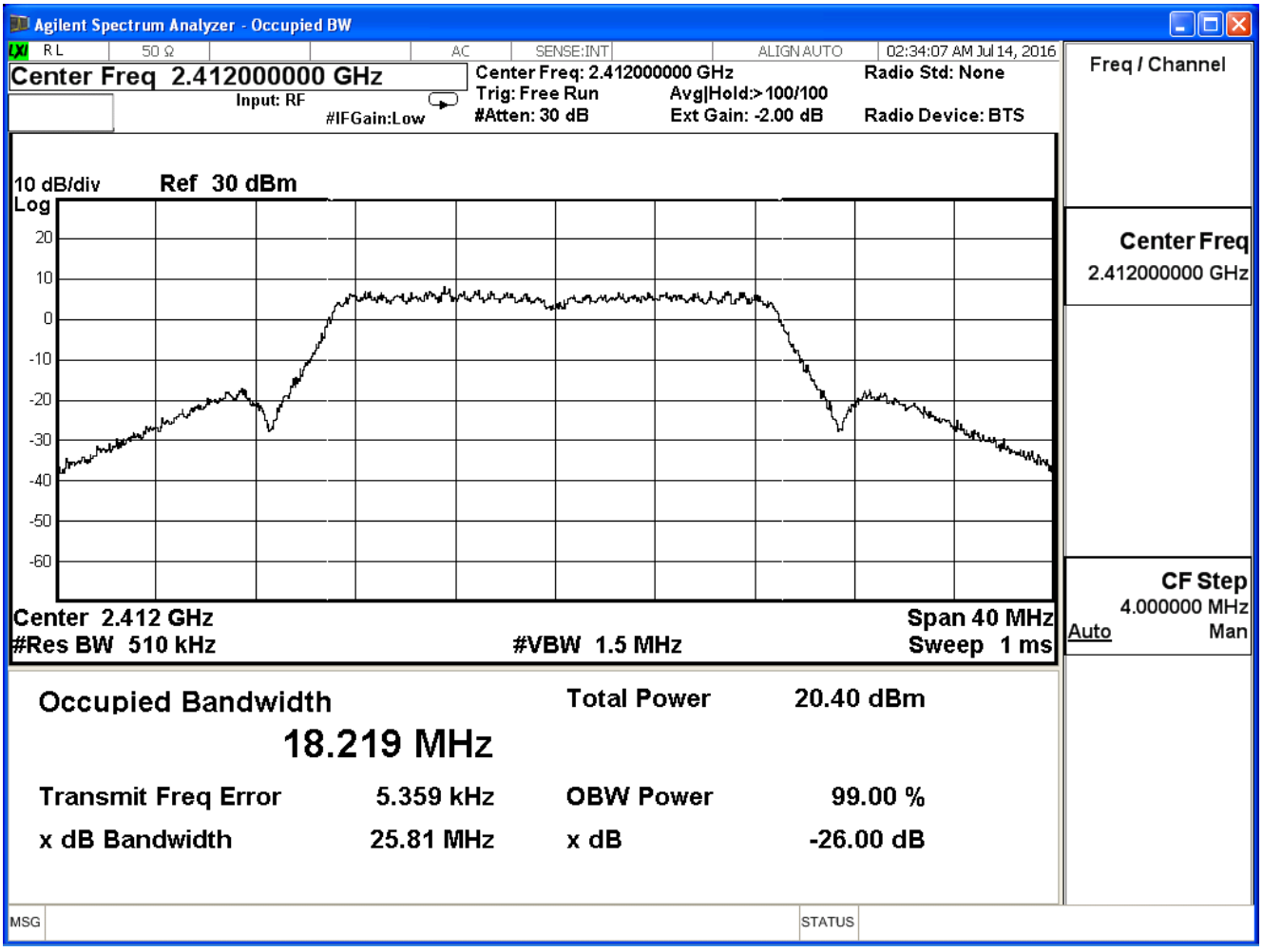

Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:53:17 AM Jul 14, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.115 MHz
Total Power
20.08 dBm
Transmit Freq Error
-12021 Hz
OBW Power
99.00 %
x dB Bandwidth
26.84 MHz
x dB
-26.00 dB
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

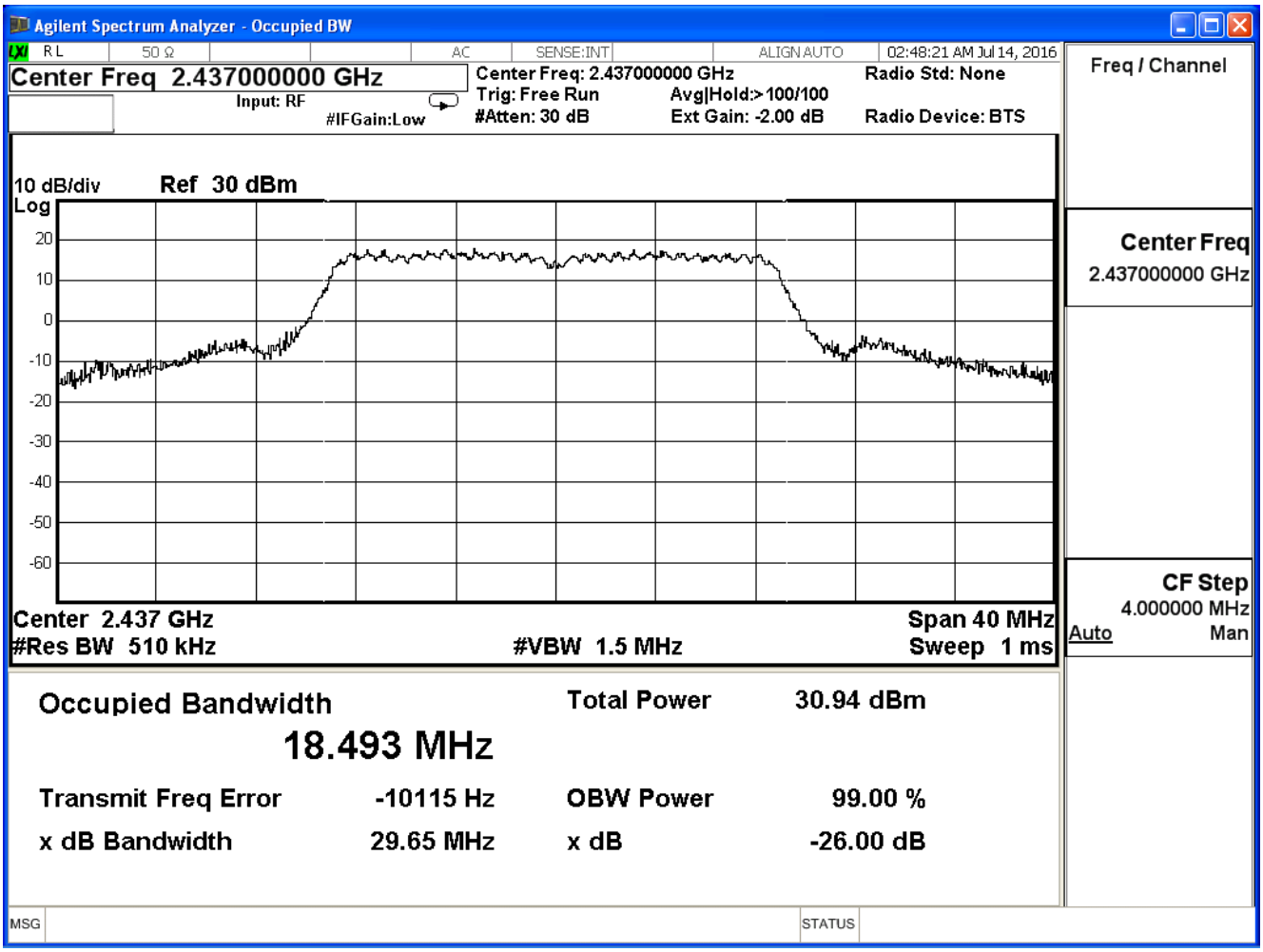
IEEE 802.11n (20MHz)(ANT 2)

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412	18.22	--	Pass
6	2437	18.49	--	Pass
11	2462	18.22	--	Pass

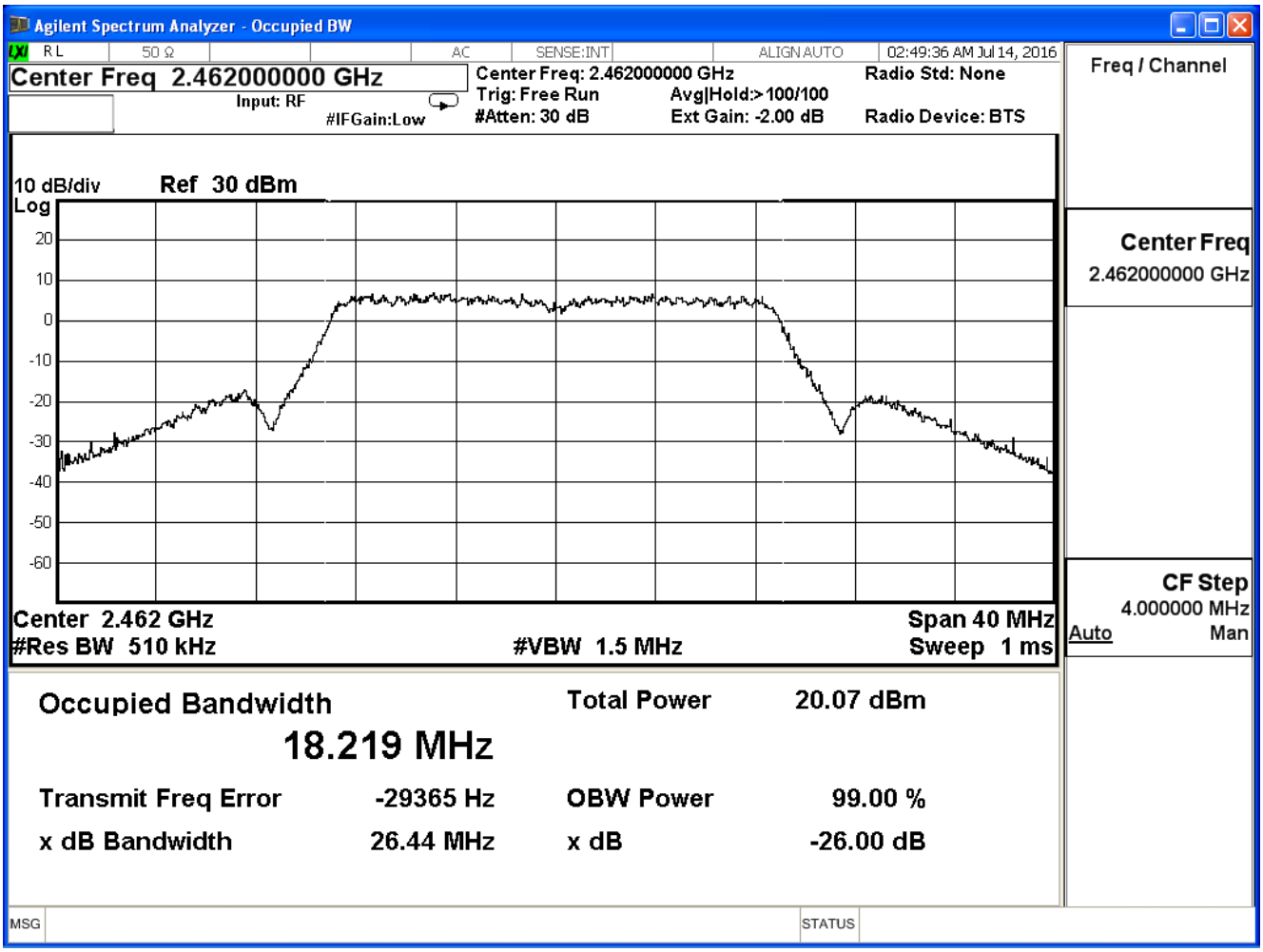
Channel 1



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:48:21 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.493 MHz
Total Power
30.94 dBm
Transmit Freq Error
-10115 Hz
OBW Power
99.00 %
x dB Bandwidth
29.65 MHz
x dB
-26.00 dB
MSG
STATUS

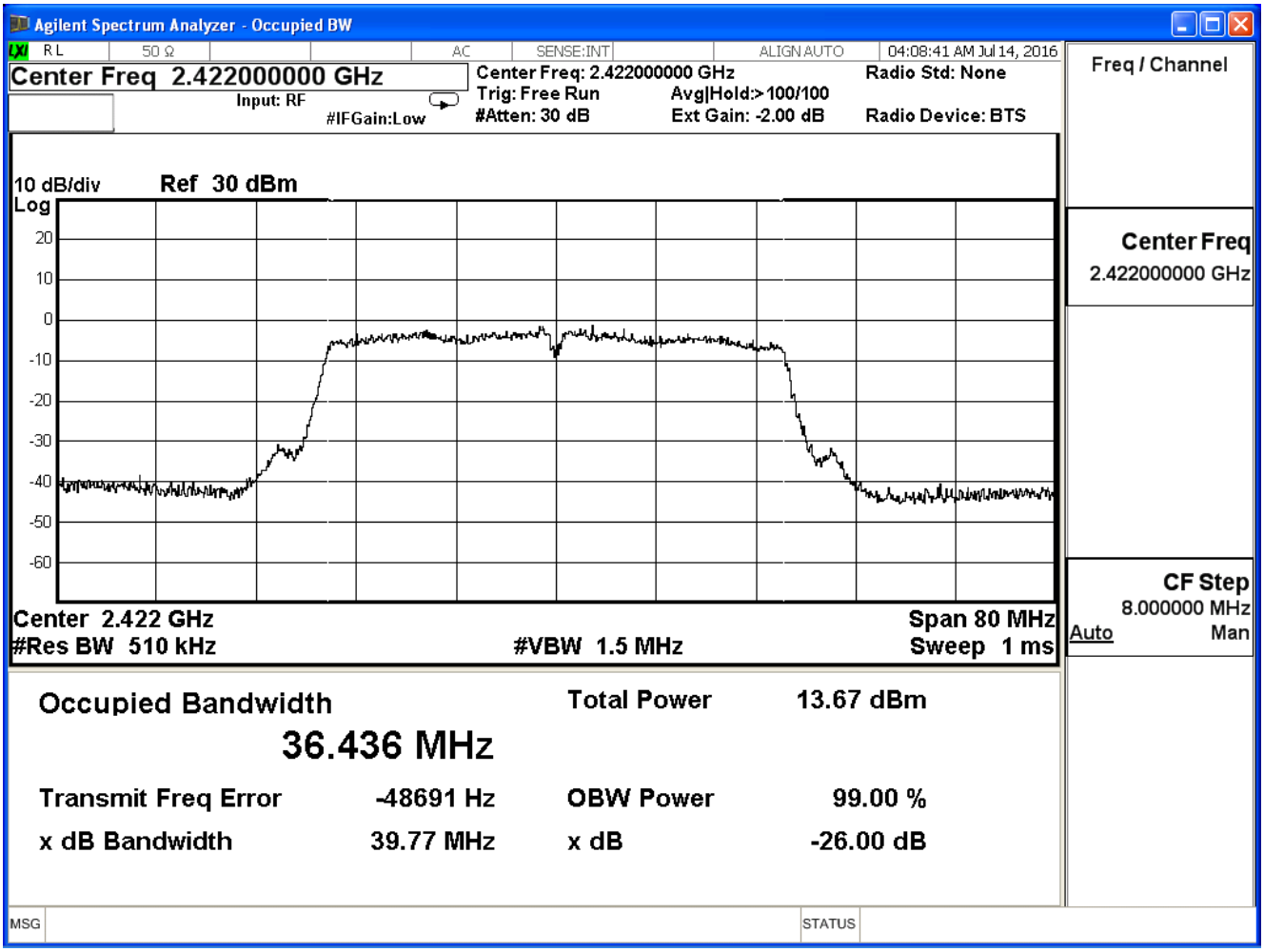
Channel 11


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:49:36 AM Jul 14, 2016
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.219 MHz
Total Power
20.07 dBm
Transmit Freq Error
-29365 Hz
OBW Power
99.00 %
x dB Bandwidth
26.44 MHz
x dB
-26.00 dB
MSG
STATUS

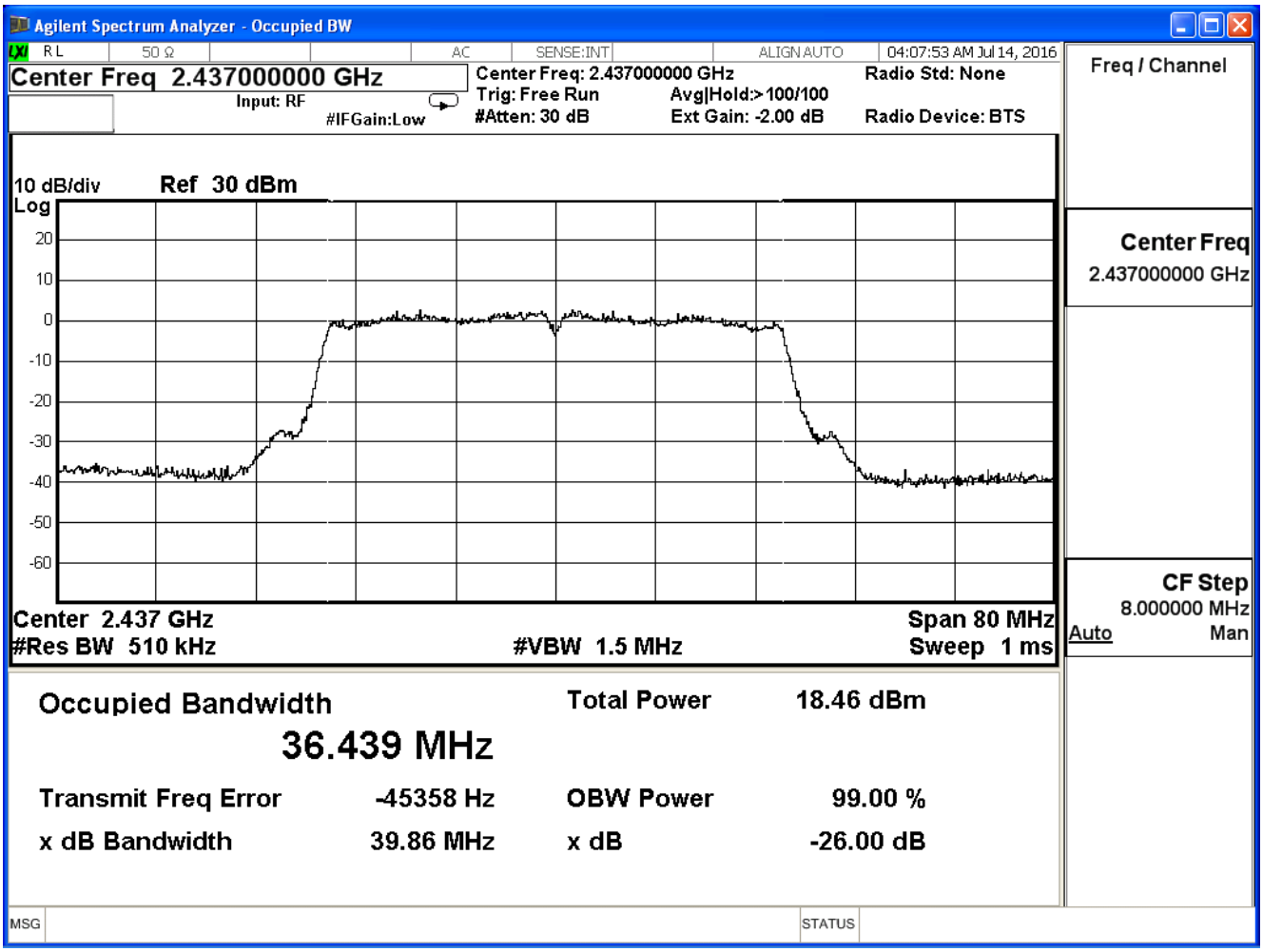
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.44	--	Pass
6	2437	36.44	--	Pass
9	2452	36.44	--	Pass

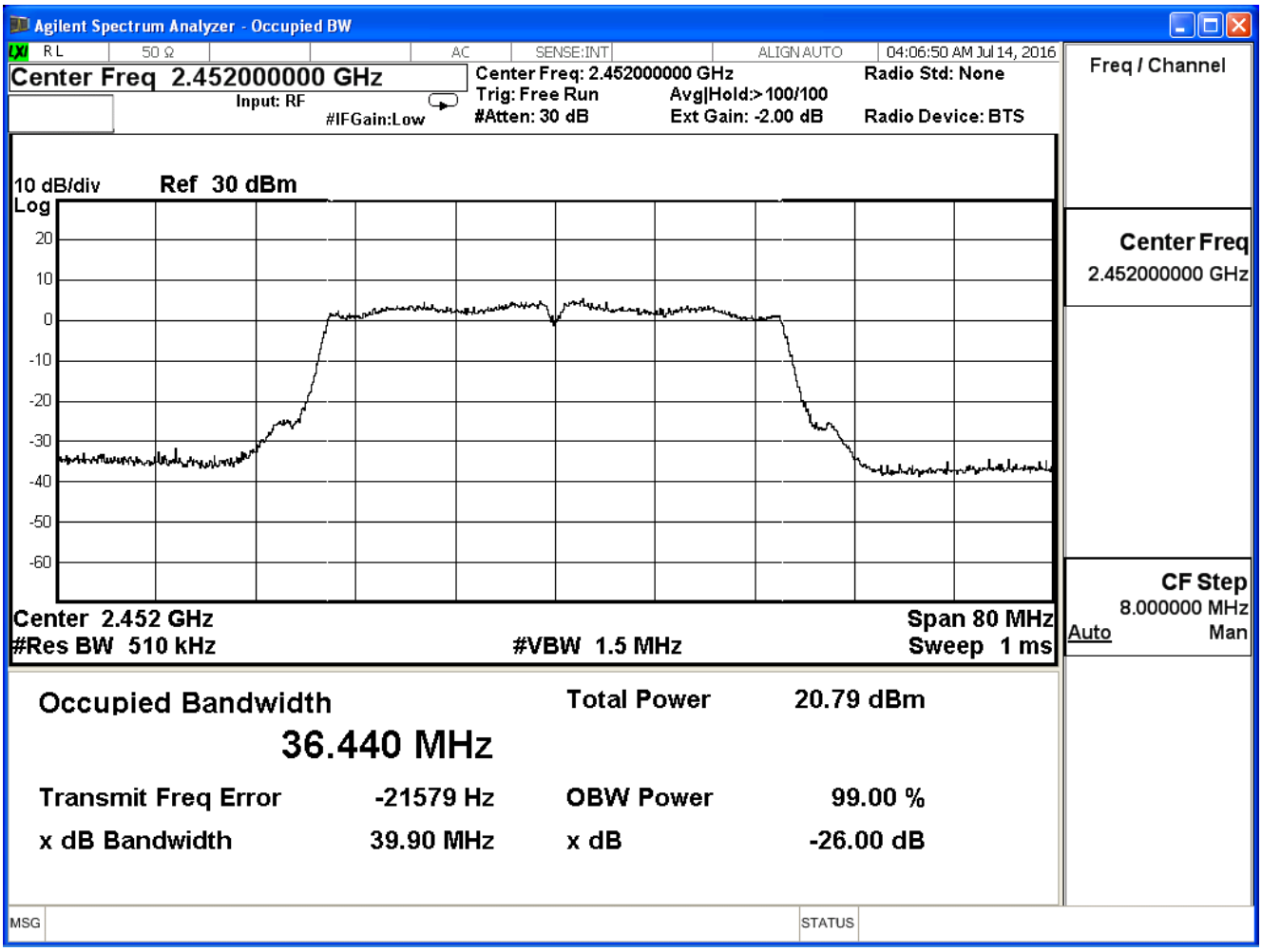
Channel 3



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:07:53 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
CF Step
8.000000 MHz
Auto
Man
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.439 MHz
Total Power
18.46 dBm
Transmit Freq Error
-45358 Hz
OBW Power
99.00 %
x dB Bandwidth
39.86 MHz
x dB
-26.00 dB
MSG
STATUS

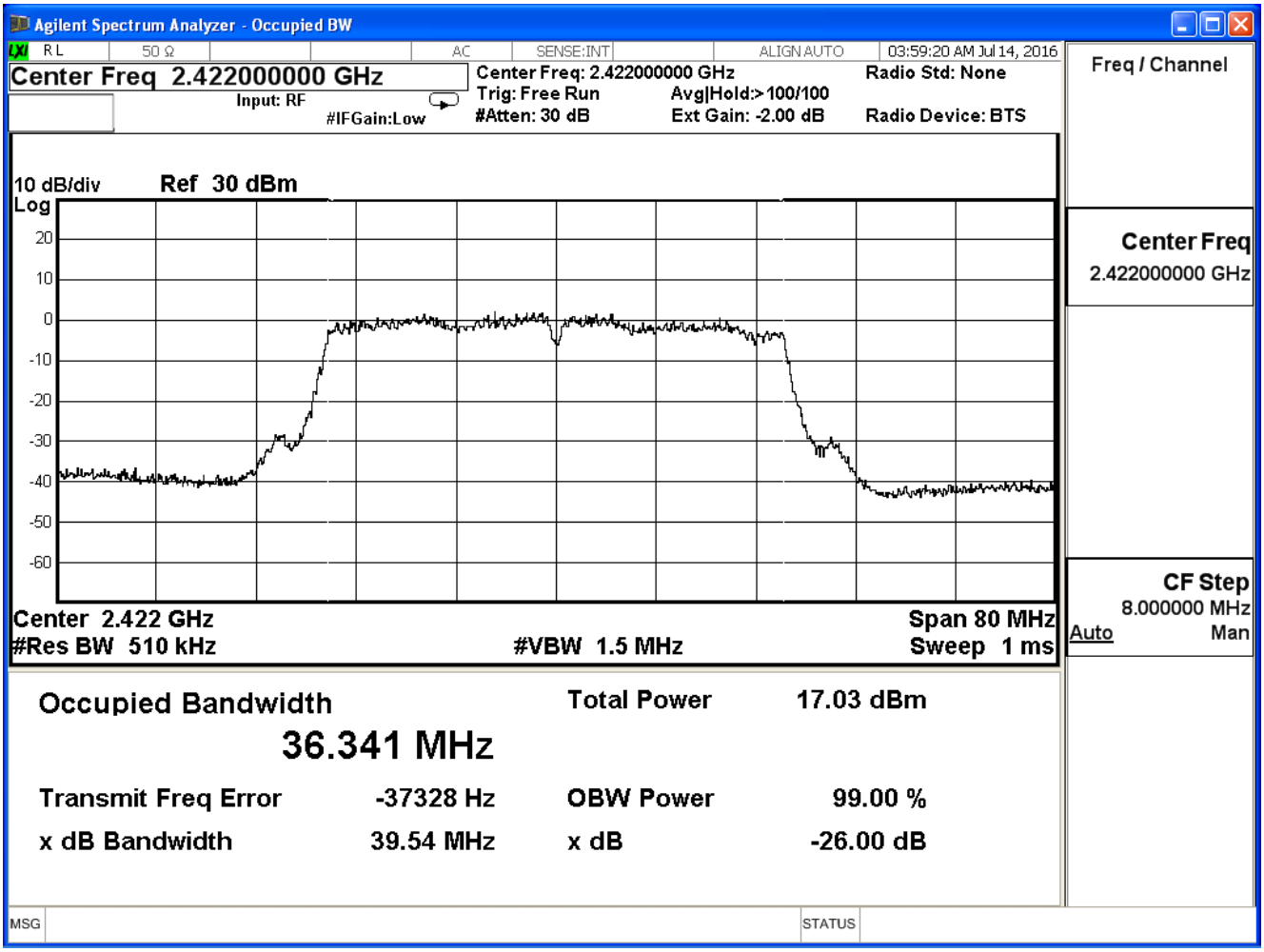
Channel 9


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:06:50 AM Jul 14, 2016
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.452000000 GHz
CF Step
8.000000 MHz
Auto
Man
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.440 MHz
Total Power
20.79 dBm
Transmit Freq Error
-21579 Hz
OBW Power
99.00 %
x dB Bandwidth
39.90 MHz
x dB
-26.00 dB
MSG
STATUS

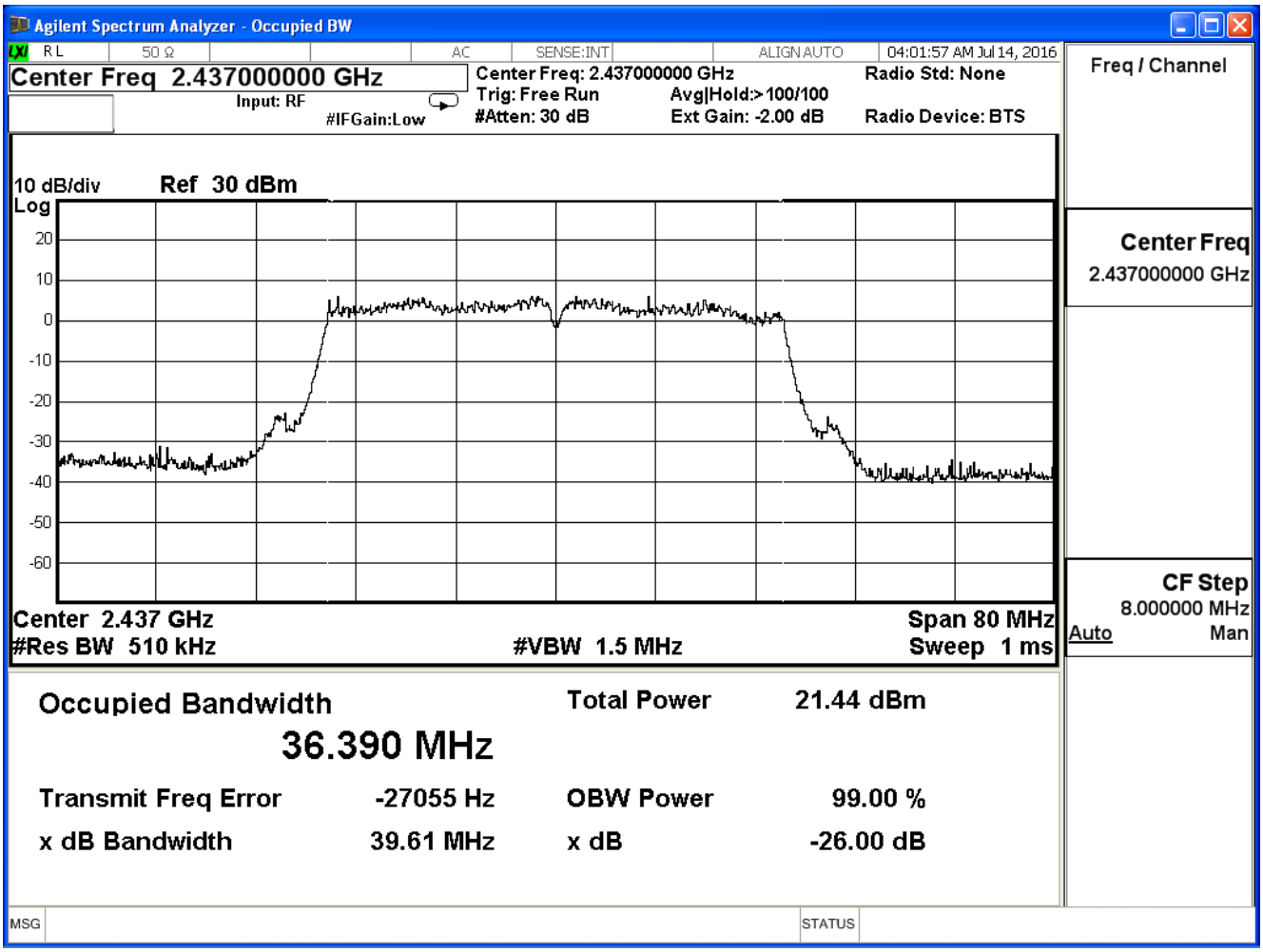
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.34	--	Pass
6	2437	36.39	--	Pass
9	2452	36.38	--	Pass

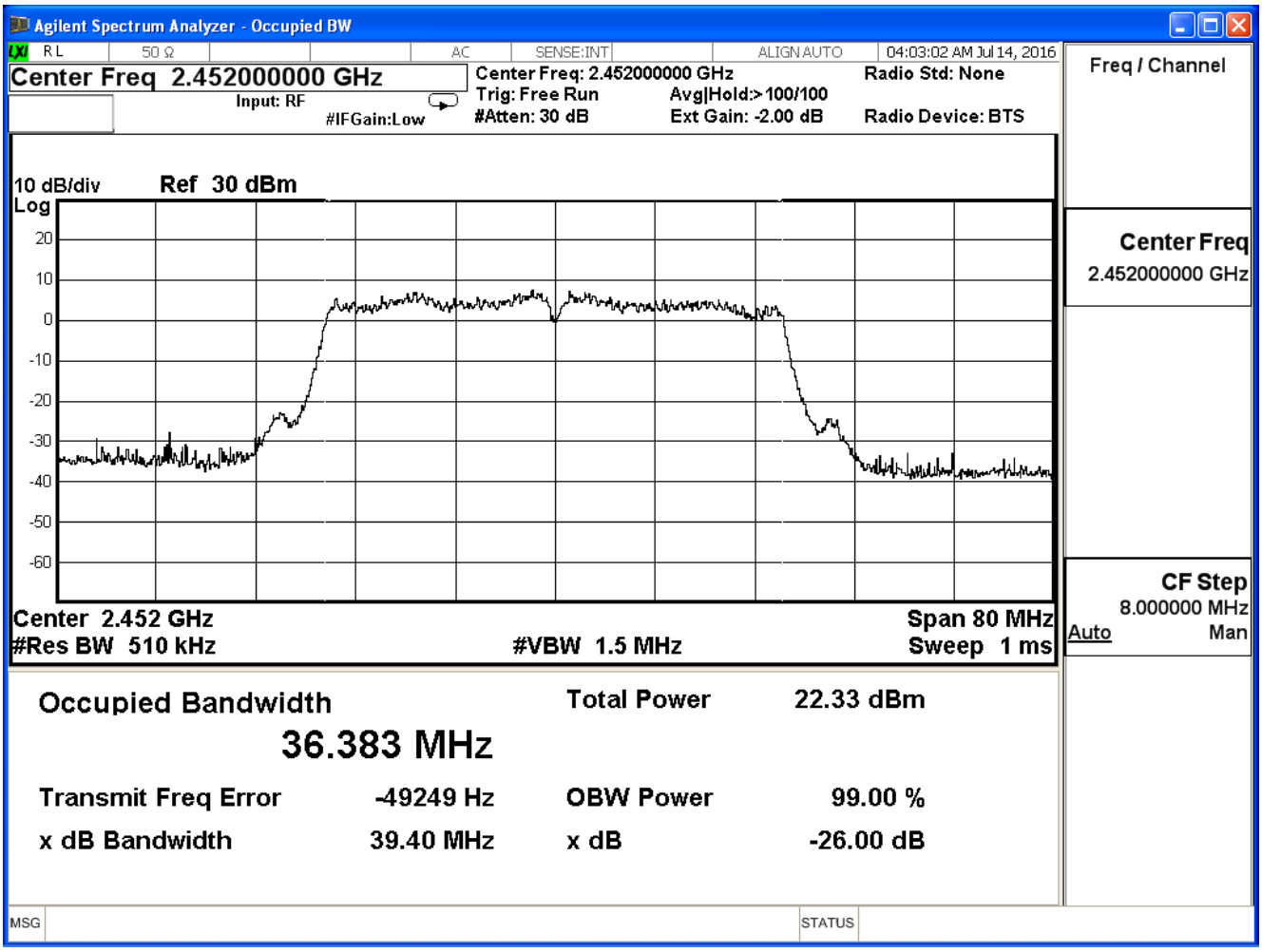
Channel 3



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:01:57 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
CF Step
8.000000 MHz
Auto
Man
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.390 MHz
Total Power
21.44 dBm
Transmit Freq Error
-27055 Hz
OBW Power
99.00 %
x dB Bandwidth
39.61 MHz
x dB
-26.00 dB
MSG
STATUS

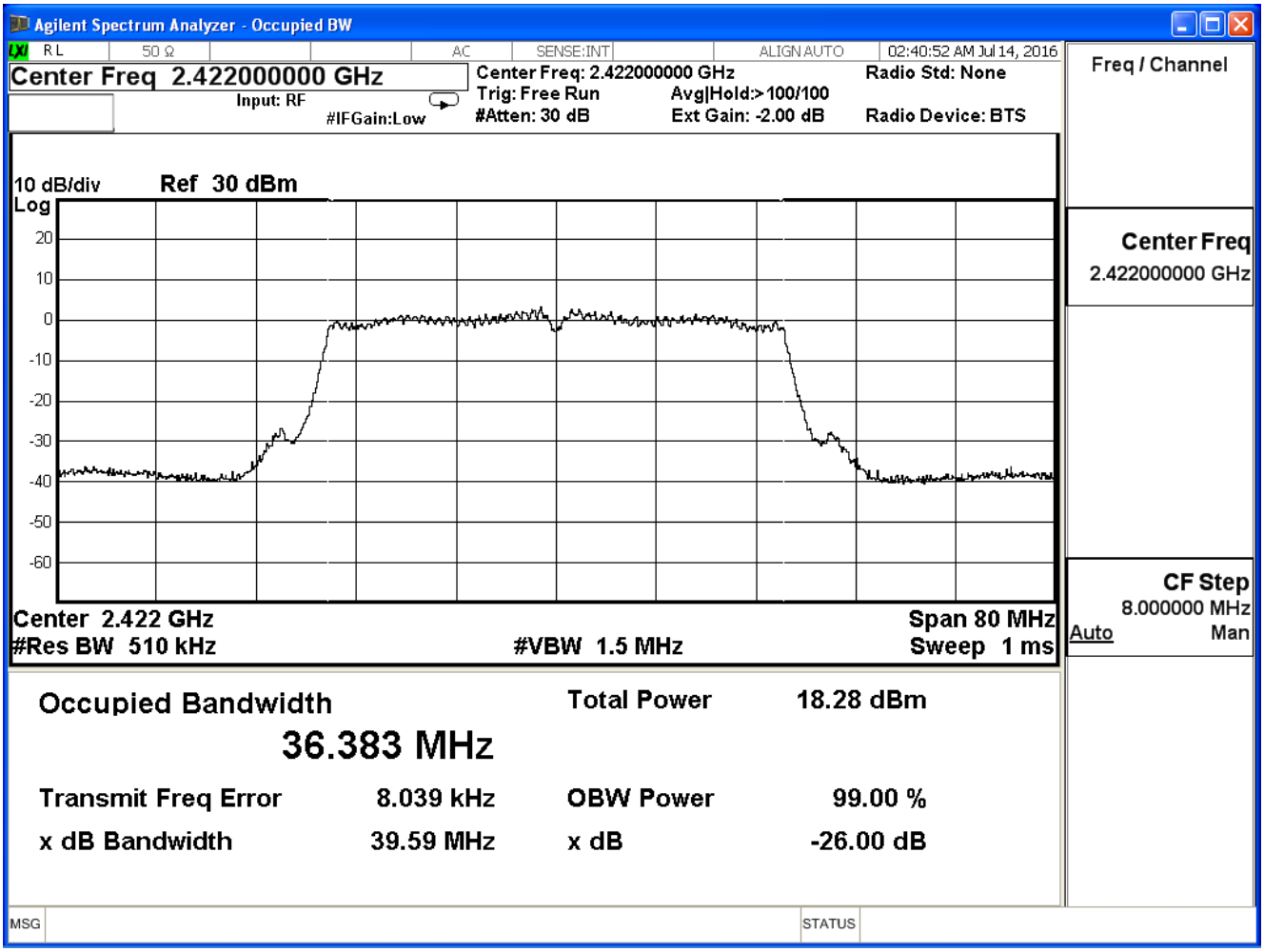
Channel 9


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:03:02 AM Jul 14, 2016
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.452000000 GHz
CF Step
8.000000 MHz
Auto
Man
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.383 MHz
Total Power
22.33 dBm
Transmit Freq Error
-49249 Hz
OBW Power
99.00 %
x dB Bandwidth
39.40 MHz
x dB
-26.00 dB
MSG
STATUS

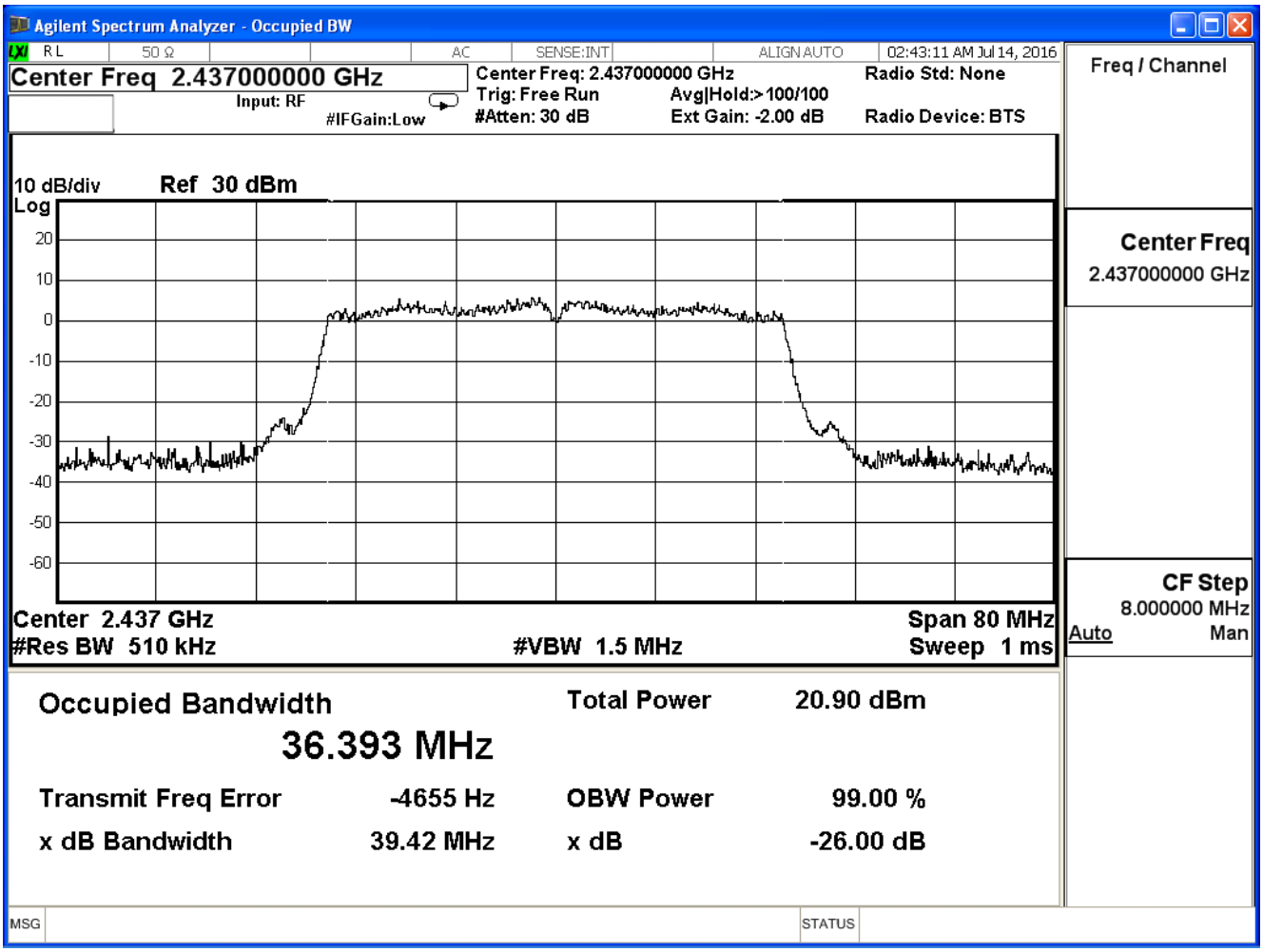
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/14	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.38	--	Pass
6	2437	36.39	--	Pass
9	2452	36.36	--	Pass

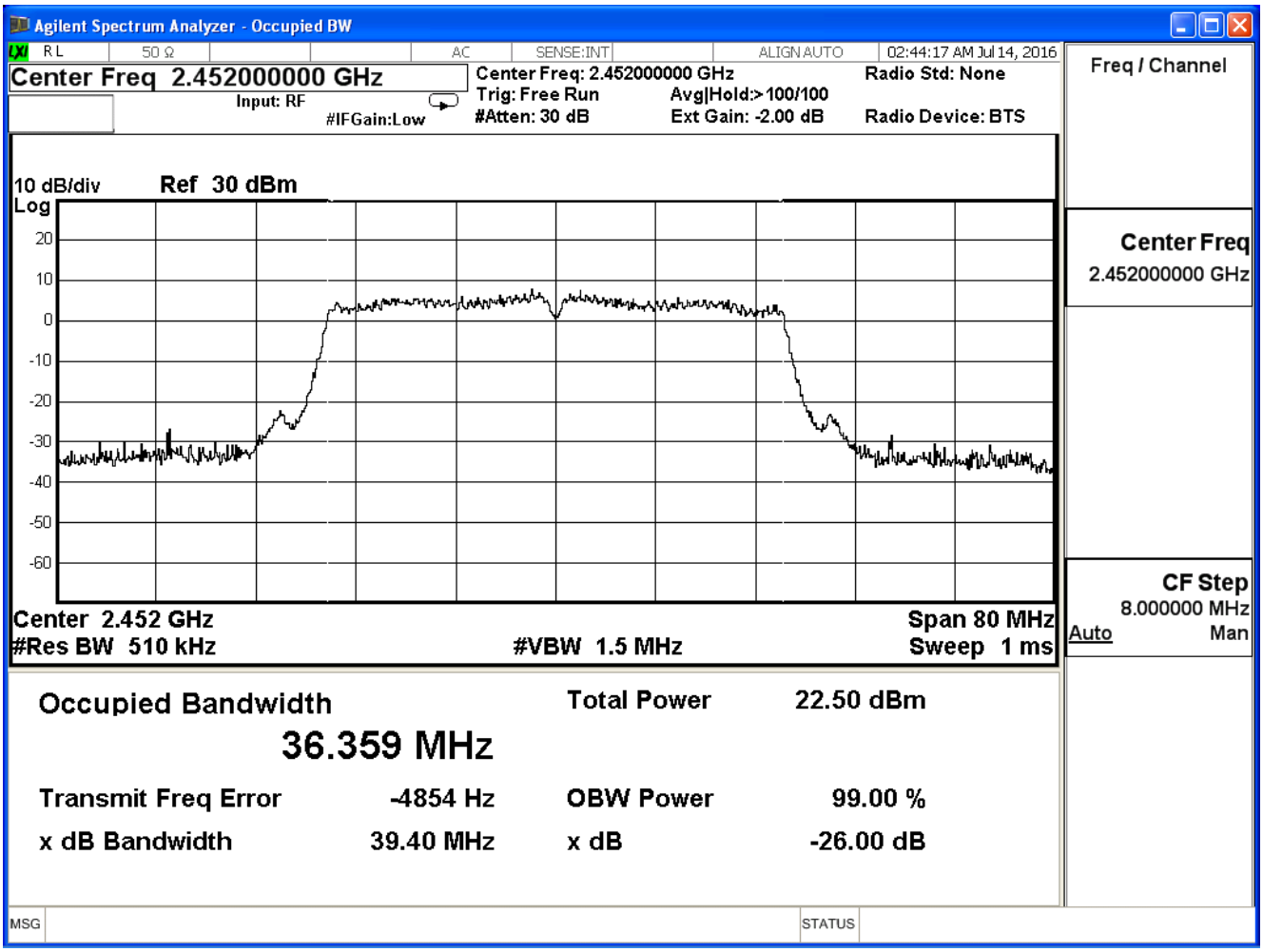
Channel 3



Channel 6


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:43:11 AM Jul 14, 2016
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.437000000 GHz
CF Step
8.000000 MHz
Auto
Man
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.393 MHz
Total Power
20.90 dBm
Transmit Freq Error
-4655 Hz
OBW Power
99.00 %
x dB Bandwidth
39.42 MHz
x dB
-26.00 dB
MSG
STATUS

Channel 9


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:44:17 AM Jul 14, 2016
Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.00 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center Freq
2.452000000 GHz
CF Step
8.000000 MHz
Auto
Man
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.359 MHz
Total Power
22.50 dBm
Transmit Freq Error
-4854 Hz
OBW Power
99.00 %
x dB Bandwidth
39.40 MHz
x dB
-26.00 dB
MSG
STATUS

9. Power Density

9.1. Test Equipment

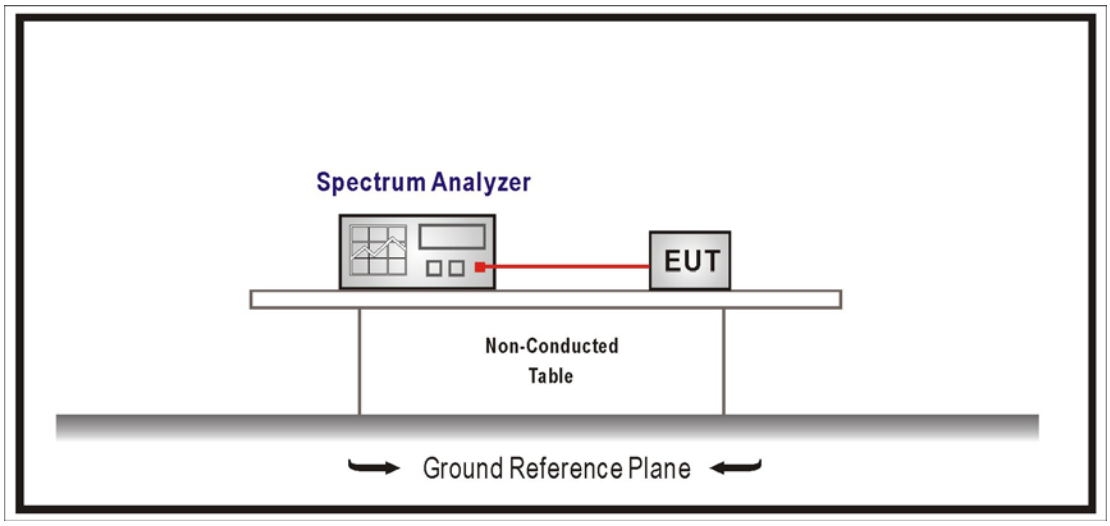
The following test equipment is used during the test:

Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2016/08/23
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/05
Signal Analyzer	R&S	FSV7	101650	2016/11/30

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

9.2. Test Setup



9.3. Limits

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

9.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB558074 V03R05 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.

9.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

9.6. Uncertainty

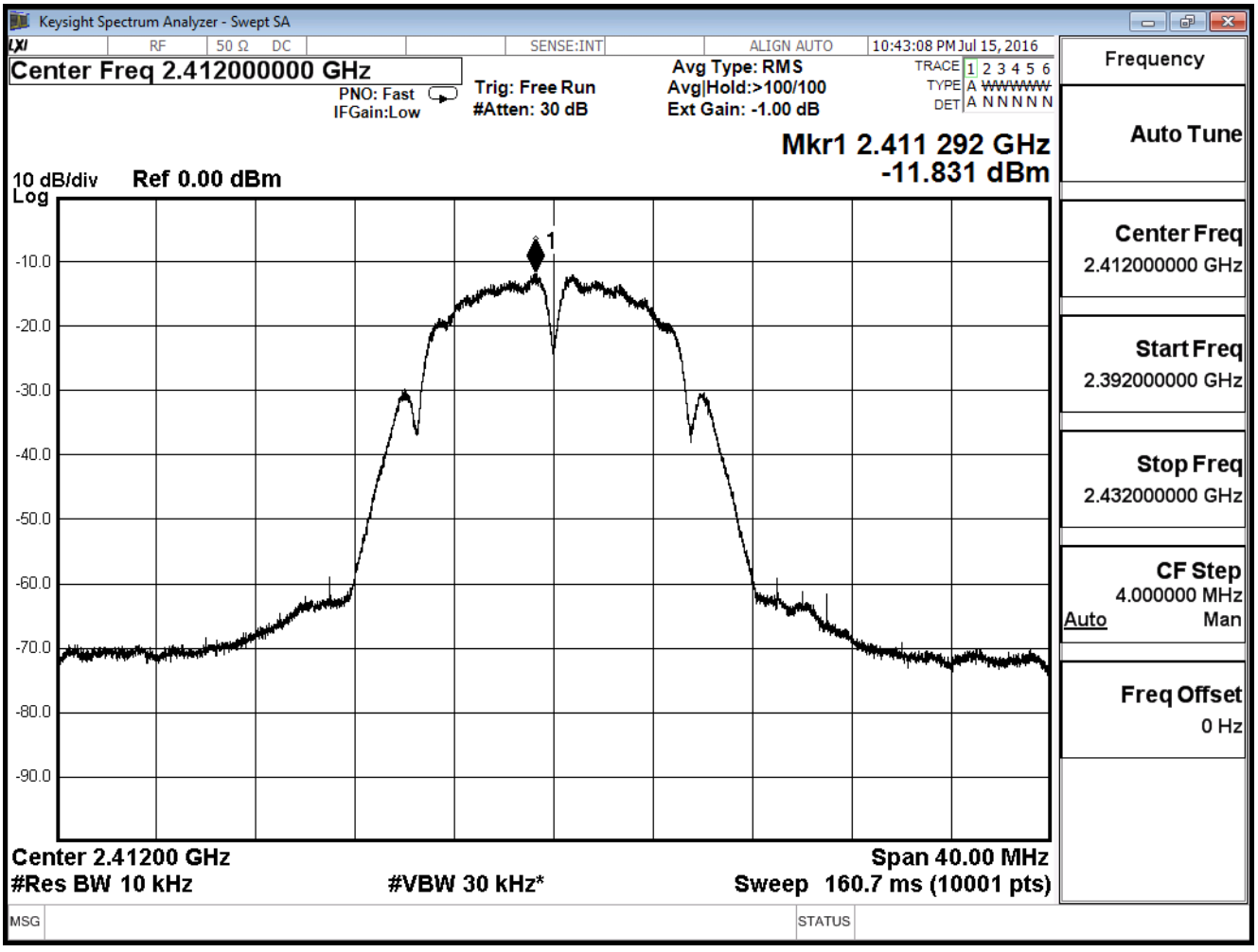
The measurement uncertainty is defined as ±1.27dB.

9.7. Test Result

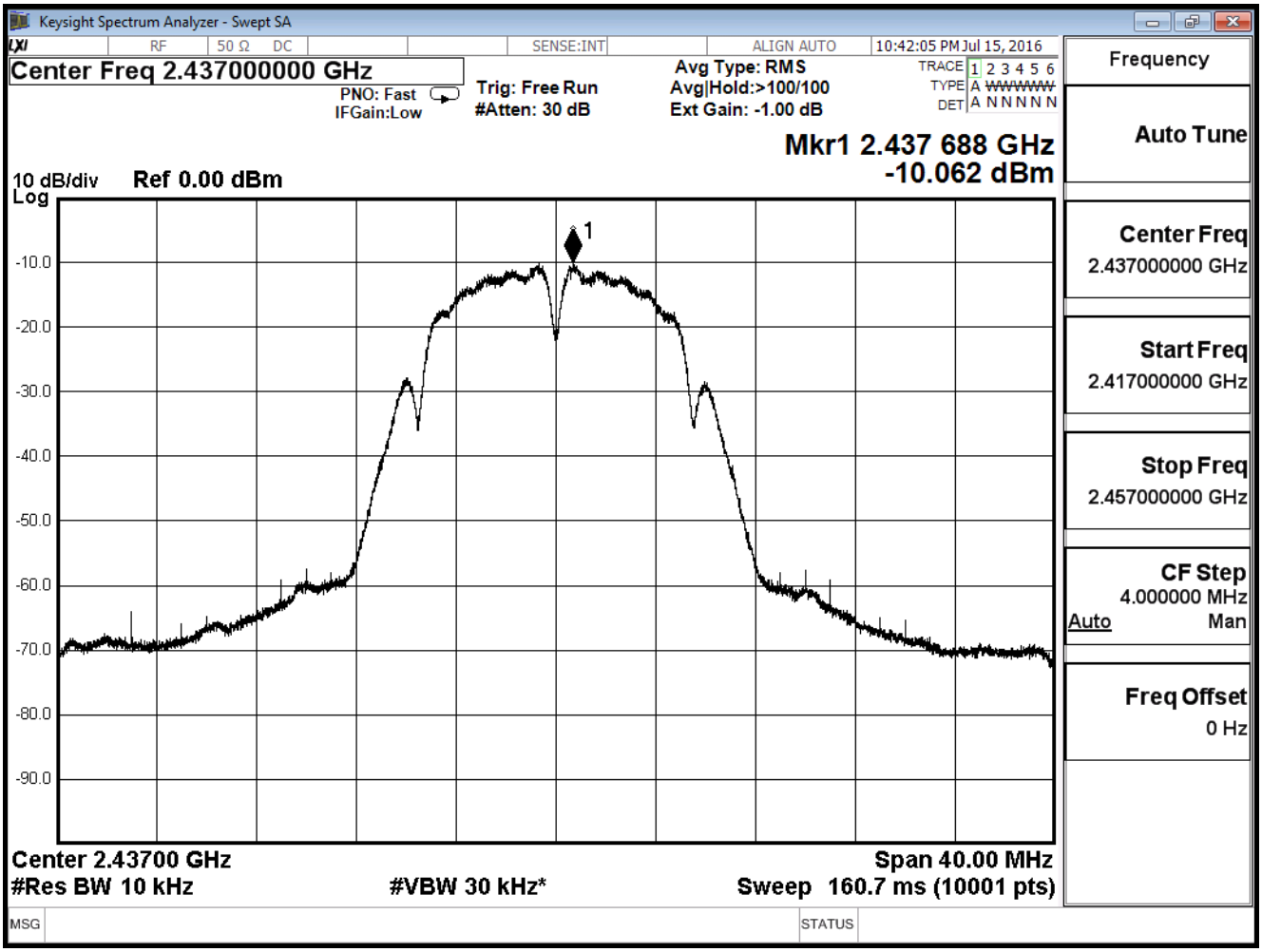
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.831	≦8	Pass
6	2437	-10.062	≦8	Pass
11	2462	-12.490	≦8	Pass

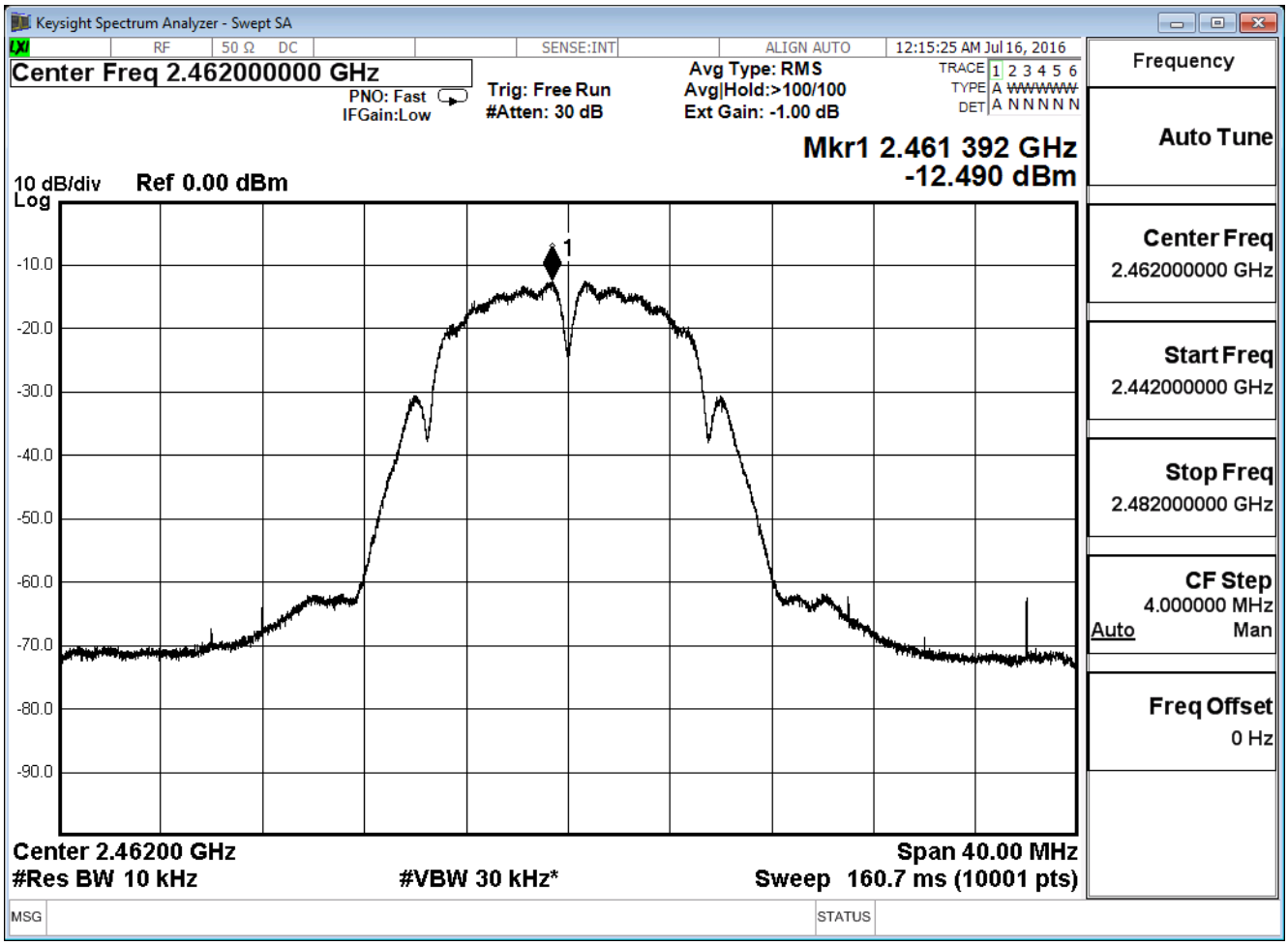
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:42:05 PM Jul 15, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.437 688 GHz
-10.062 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

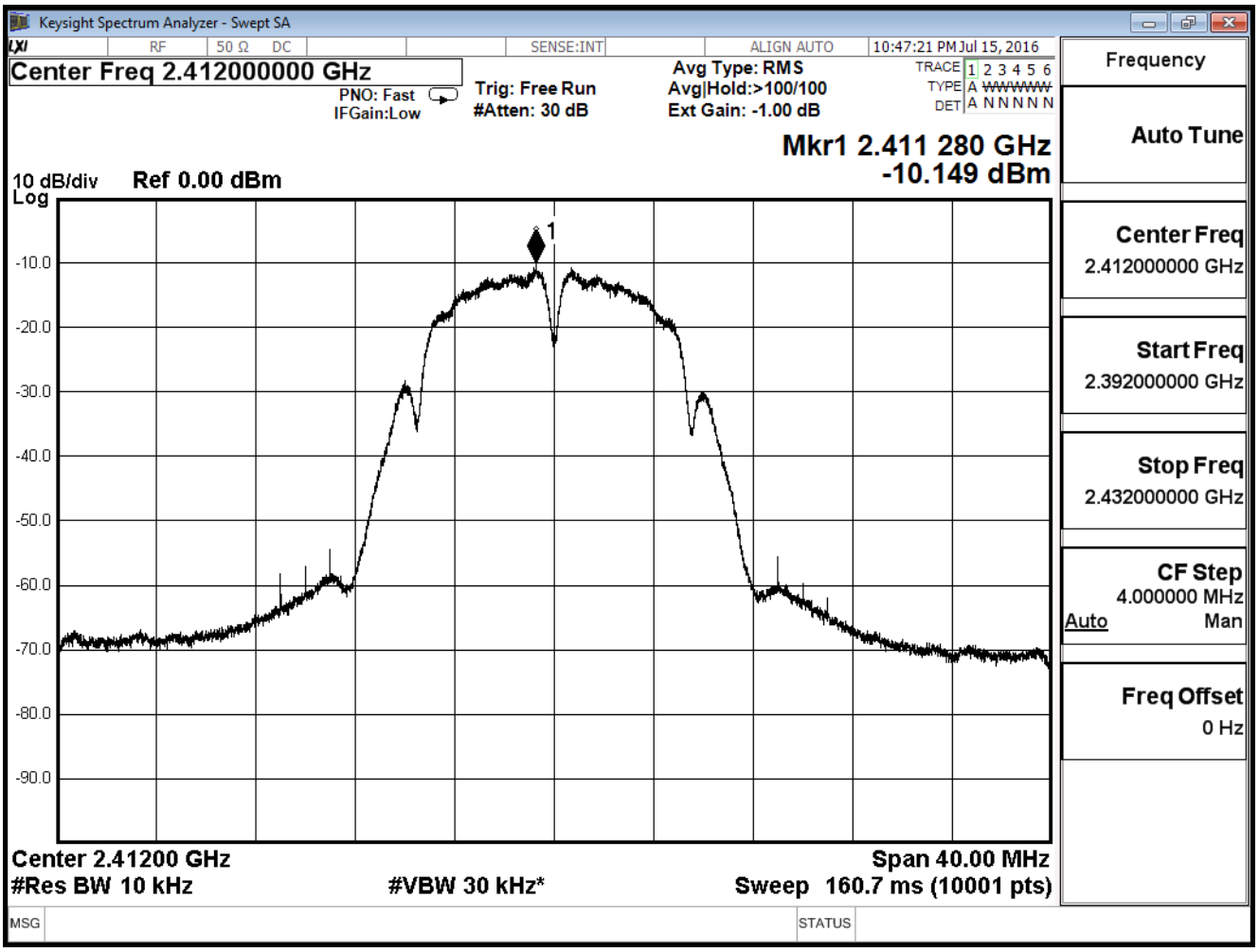
Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:15:25 AM Jul 16, 2016
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.461 392 GHz
-12.490 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

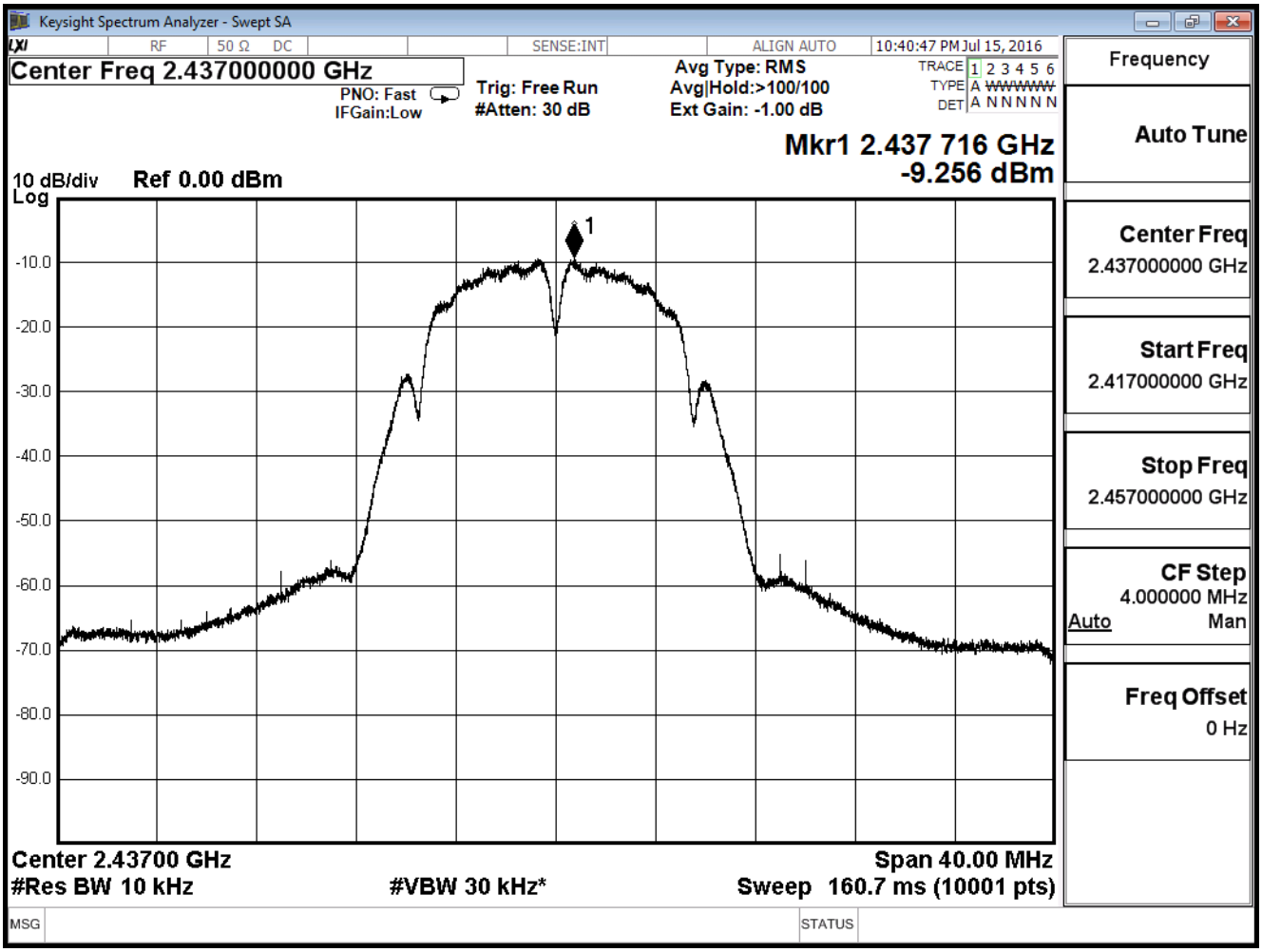
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-10.149	≦8	Pass
6	2437	-9.256	≦8	Pass
11	2462	-12.028	≦8	Pass

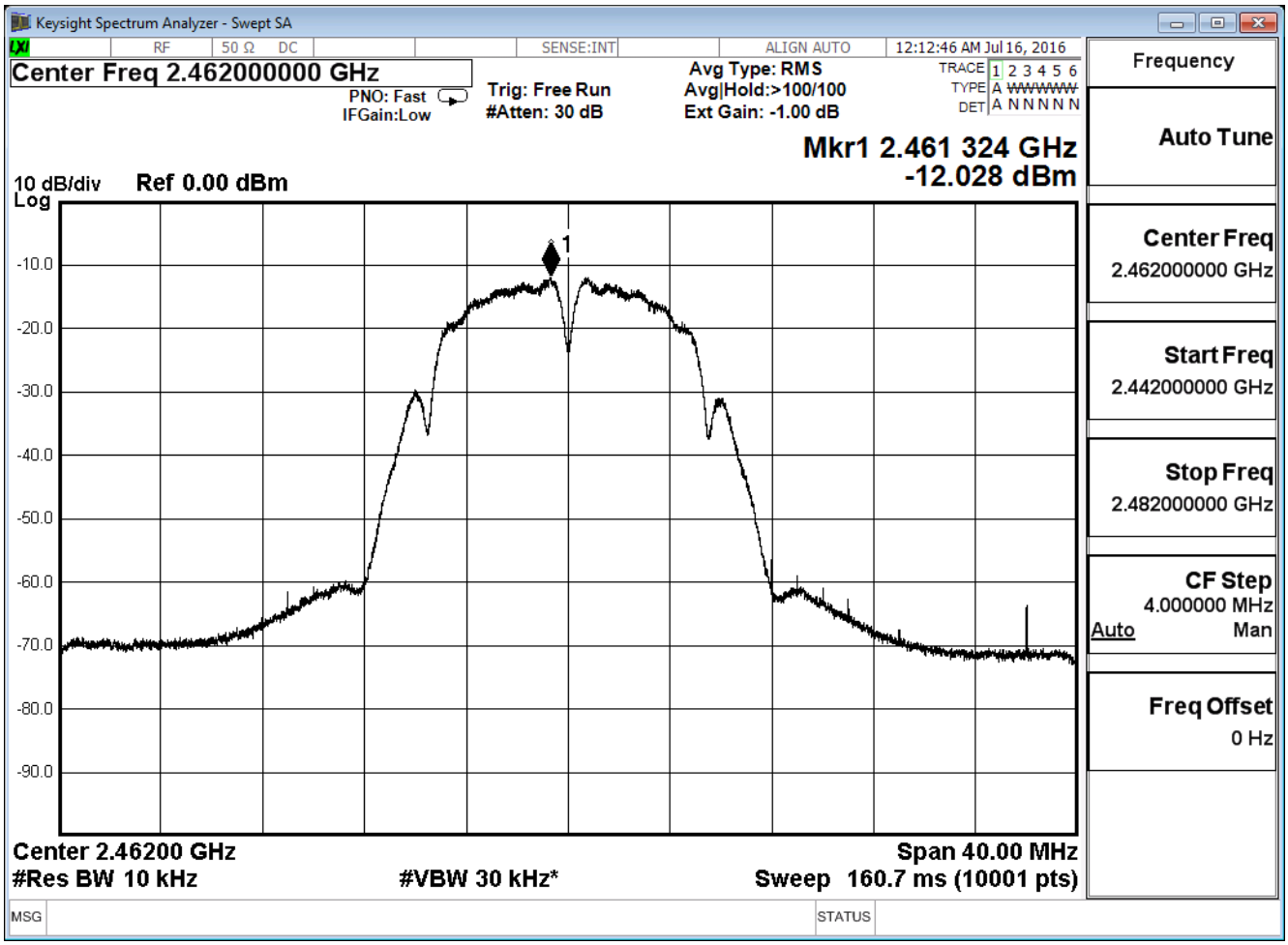
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:40:47 PM Jul 15, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.437 716 GHz
-9.256 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11

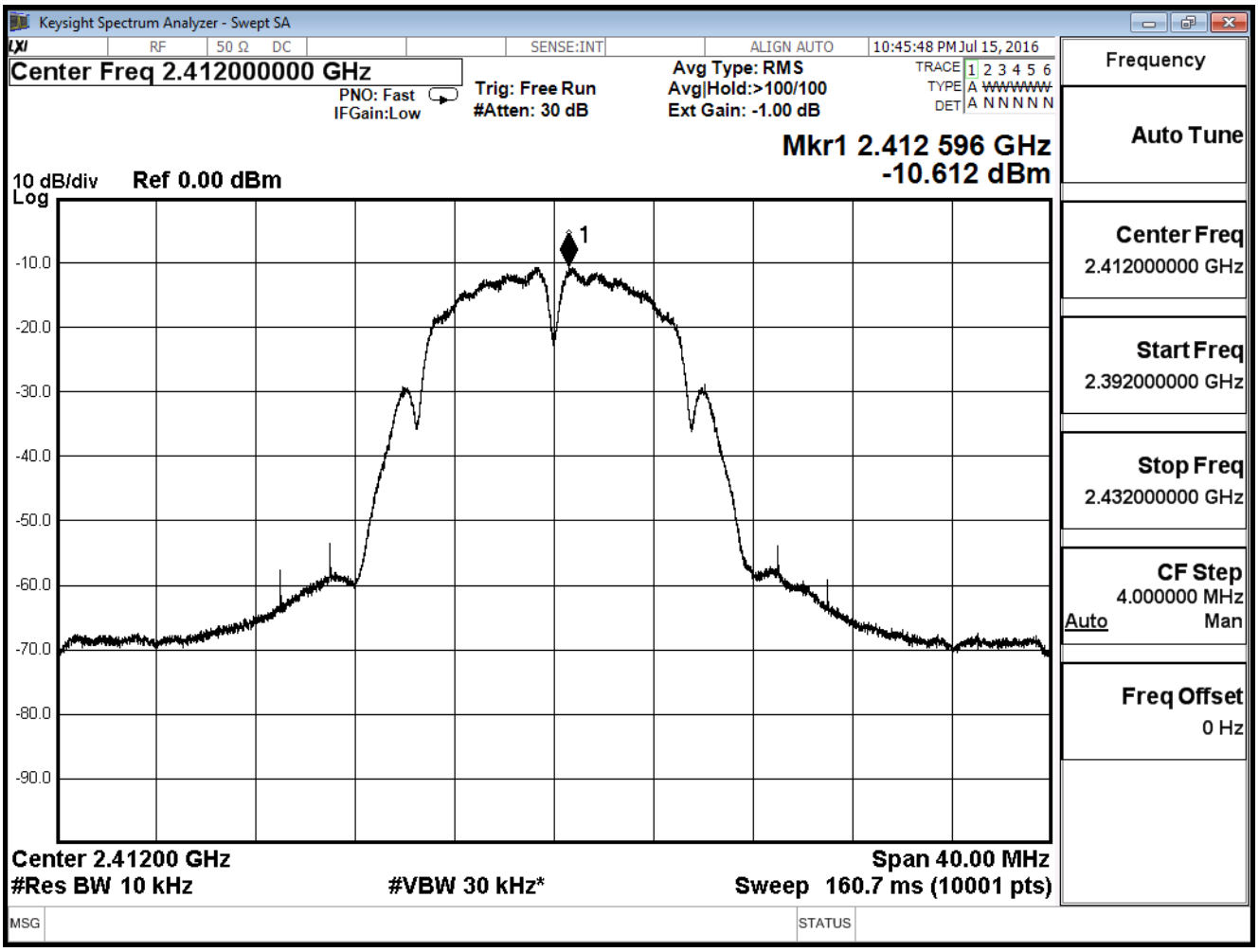

Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:12:46 AM Jul 16, 2016
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.461 324 GHz
-12.028 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

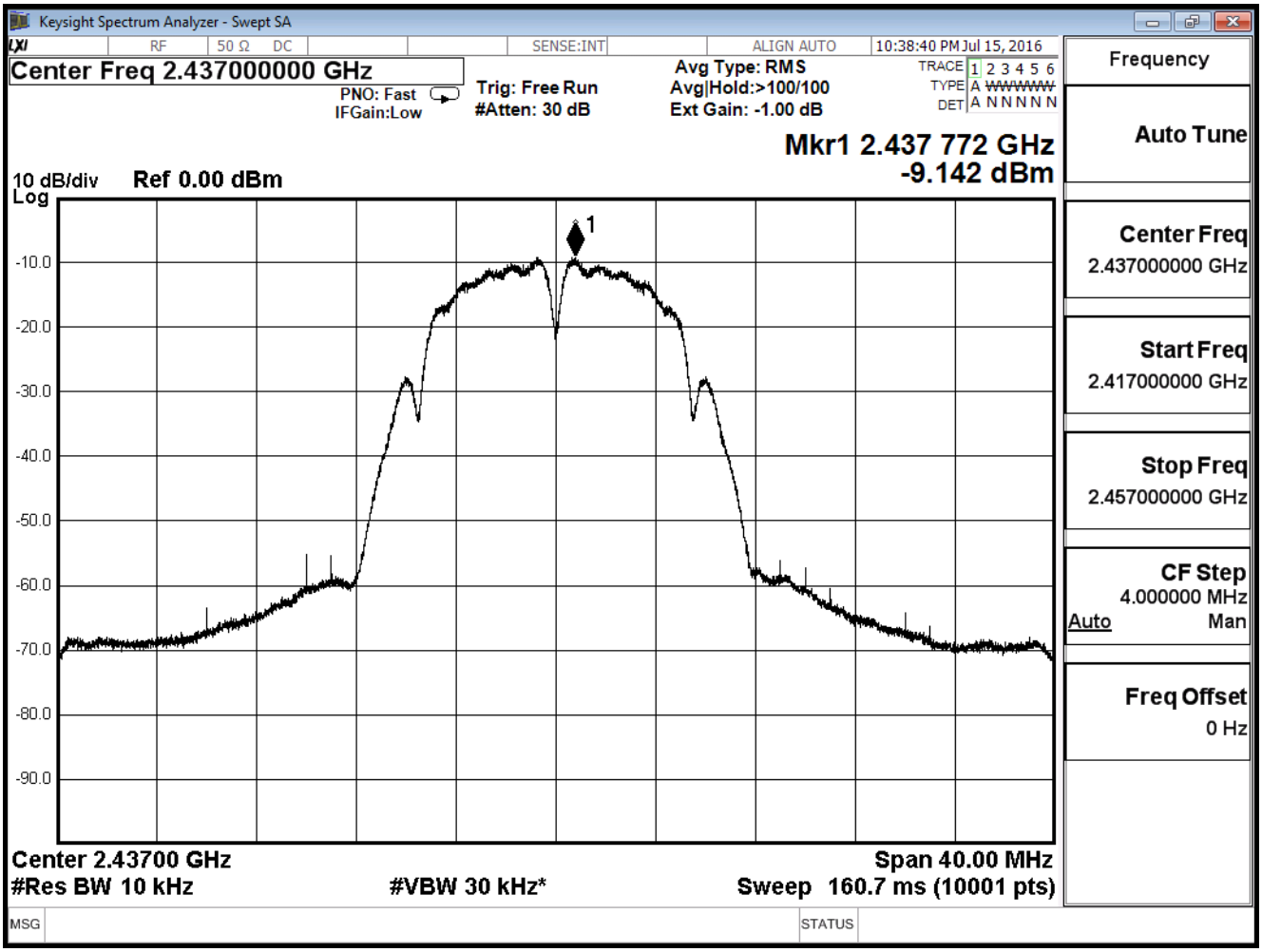
IEEE 802.11b (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-10.612	≦8	Pass
6	2437	-9.142	≦8	Pass
11	2462	-11.077	≦8	Pass

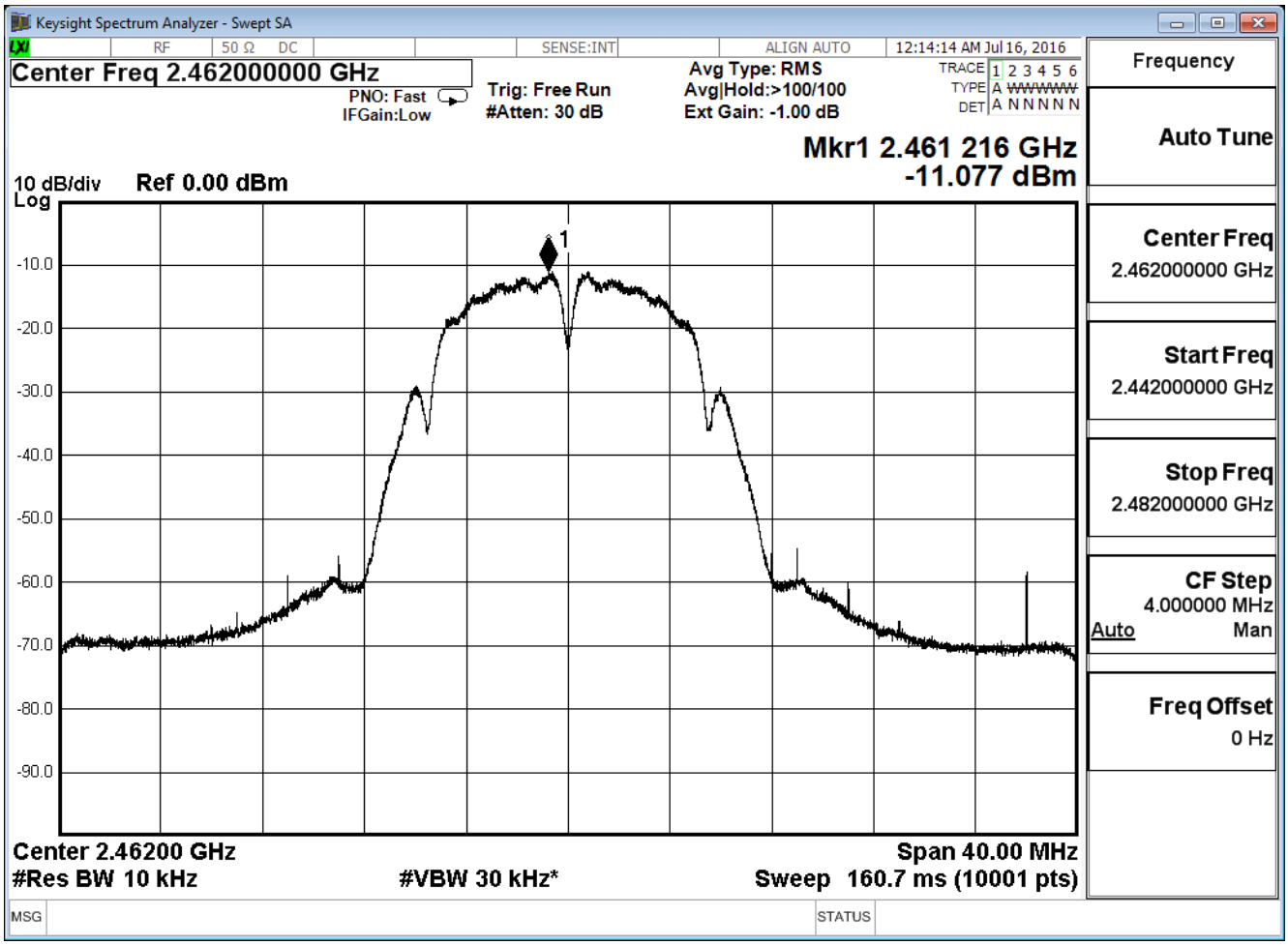
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:38:40 PM Jul 15, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.437 772 GHz
-9.142 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:14:14 AM Jul 16, 2016
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.461 216 GHz
-11.077 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

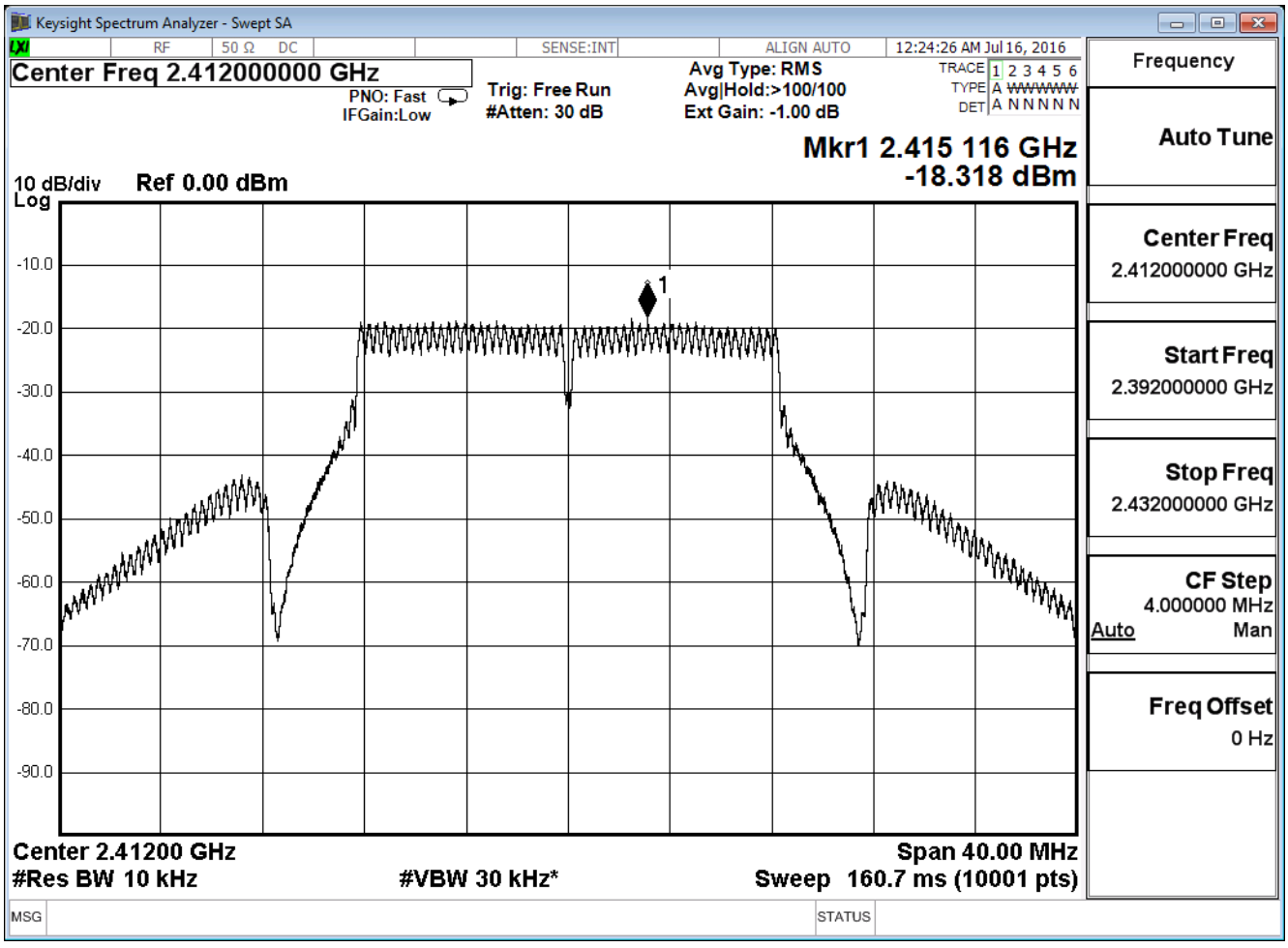
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/15	Test Site	SR7

IEEE 802.11b (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-6.037	≦8	Pass
6	2437	-4.697	≦8	Pass
11	2462	-7.053	≦8	Pass

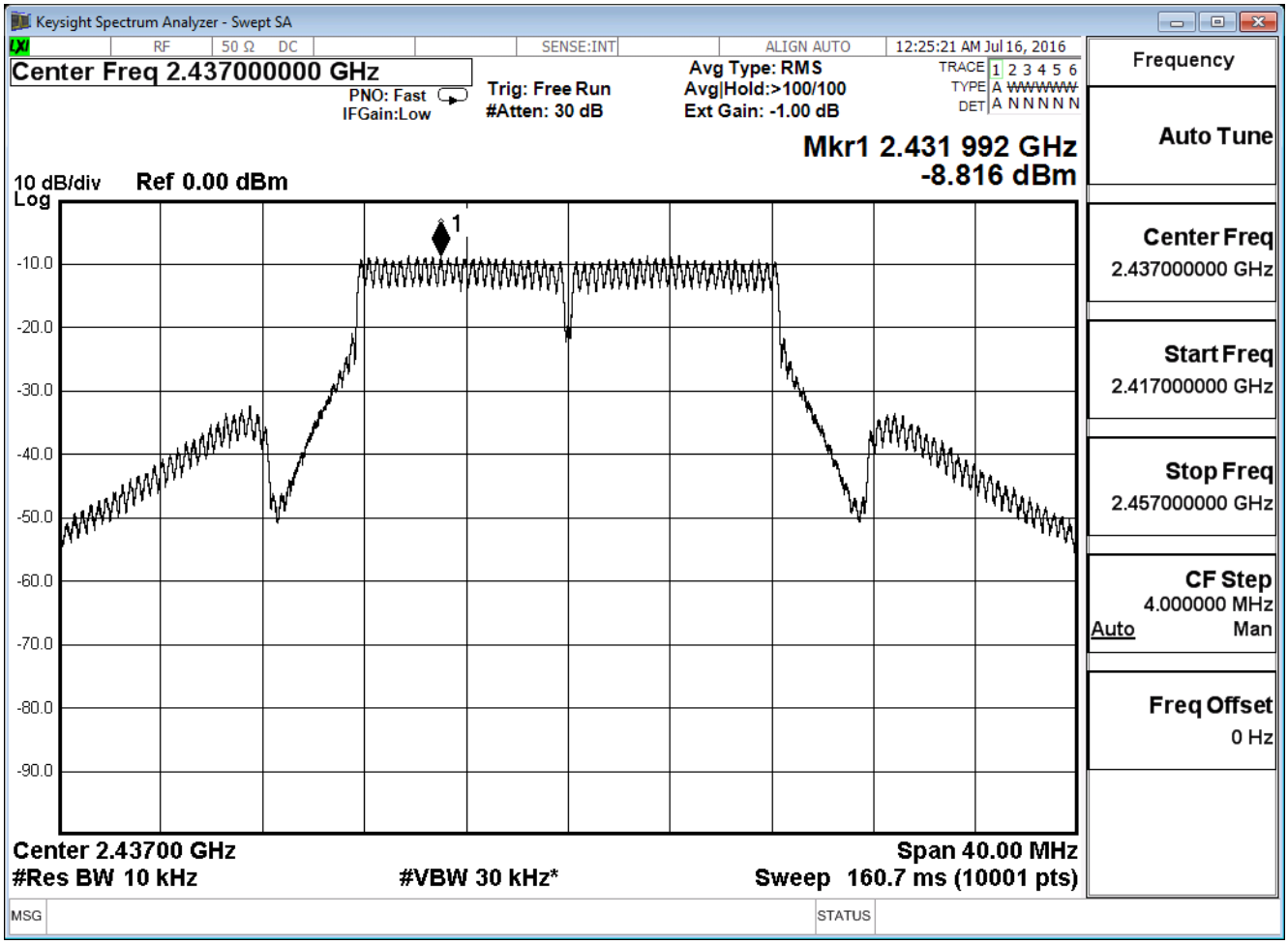
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-18.318	≦8	Pass
6	2437	-8.816	≦8	Pass
11	2462	-18.631	≦8	Pass

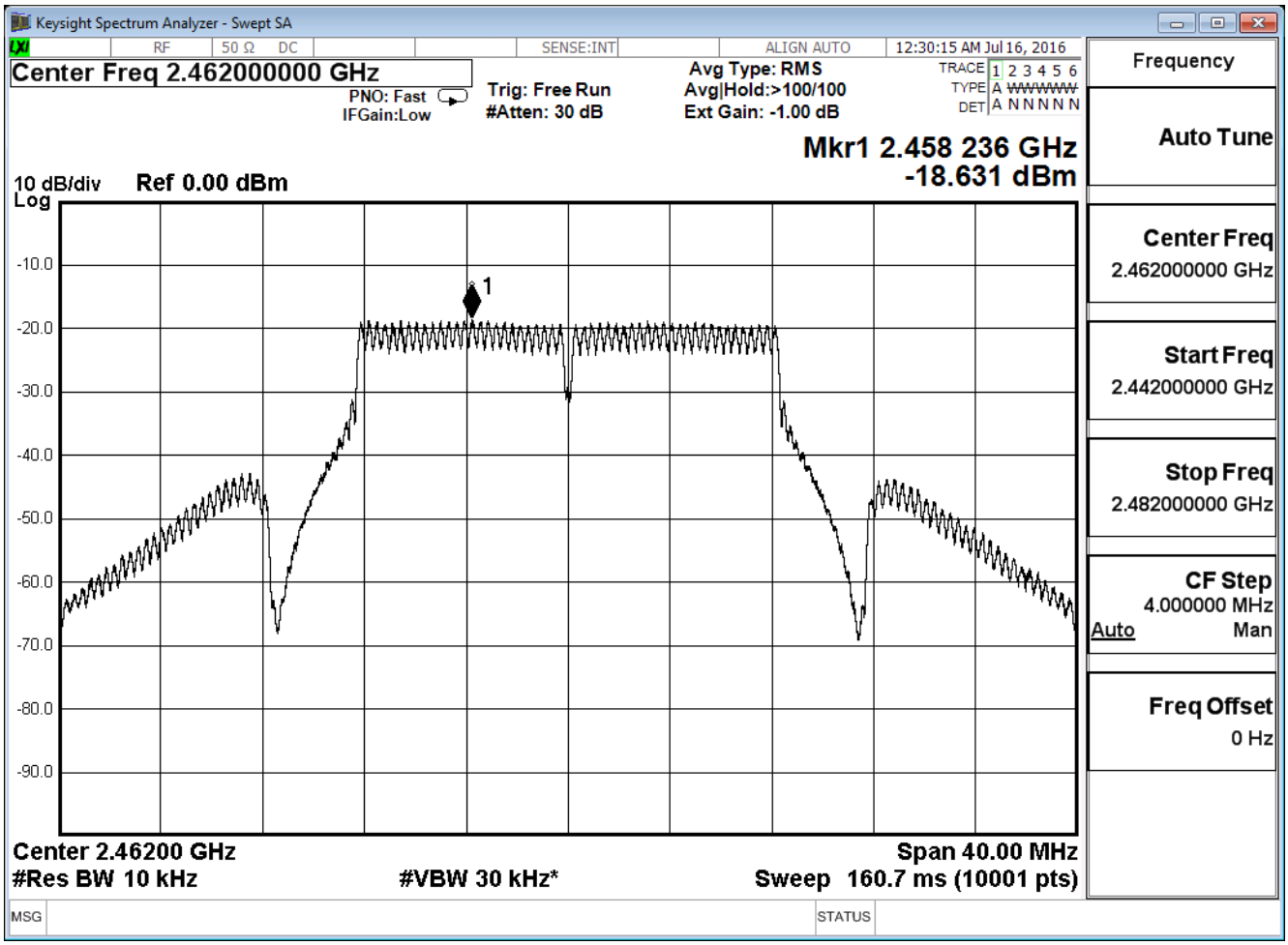
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:25:21 AM Jul 16, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.431 992 GHz
-8.816 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

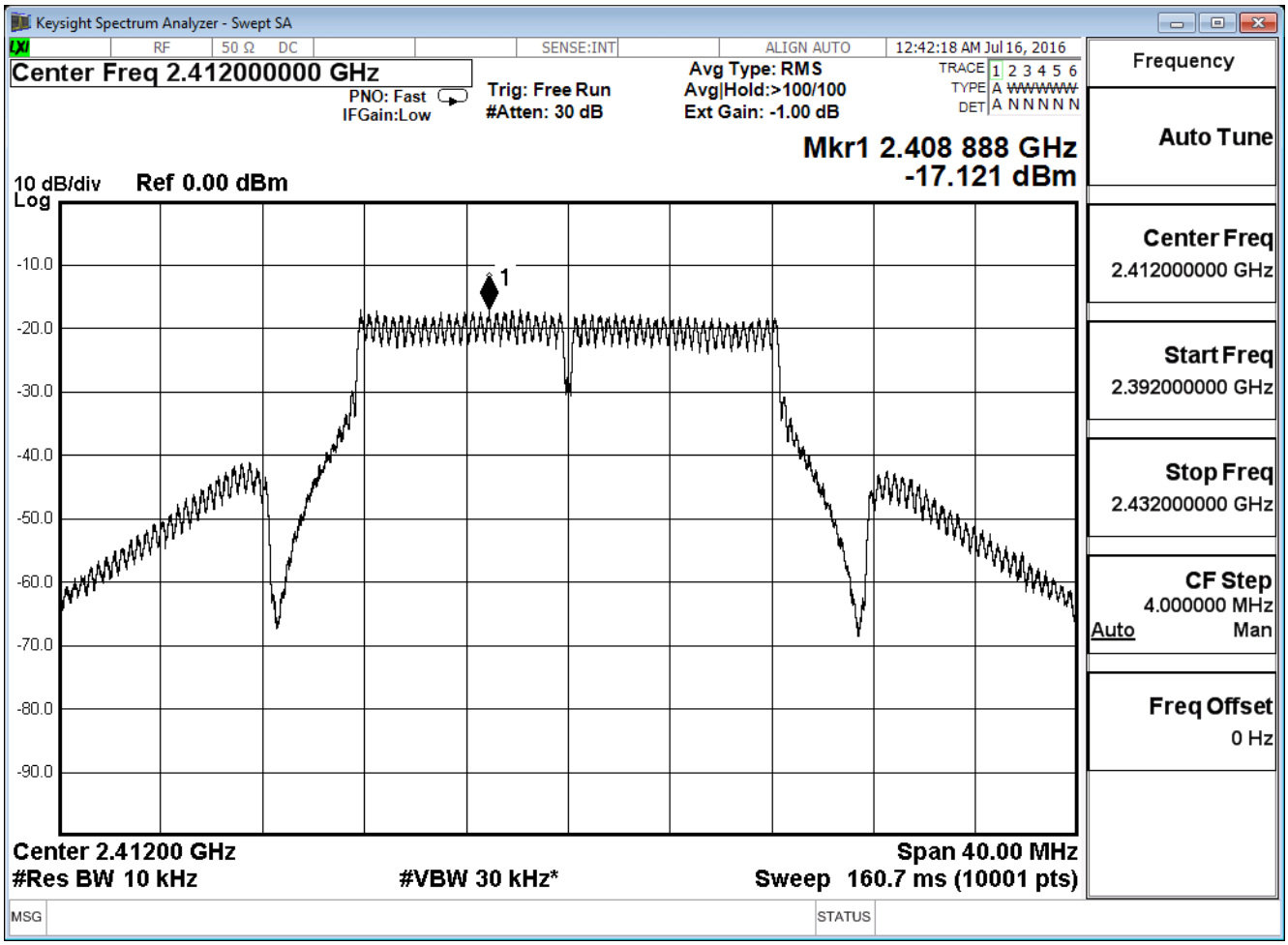
Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:30:15 AM Jul 16, 2016
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.458 236 GHz
-18.631 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

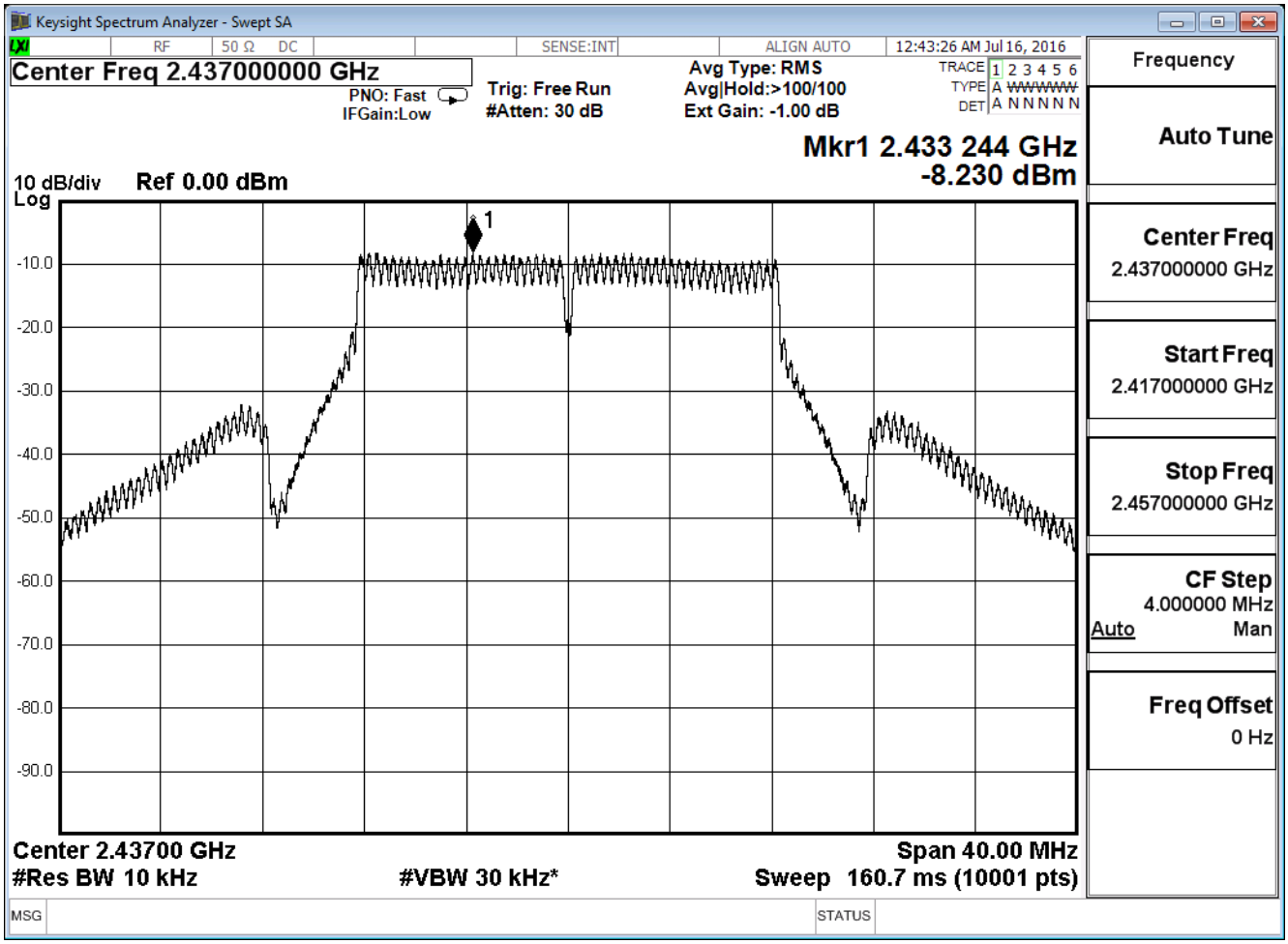
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-17.121	≦8	Pass
6	2437	-8.230	≦8	Pass
11	2462	-17.897	≦8	Pass

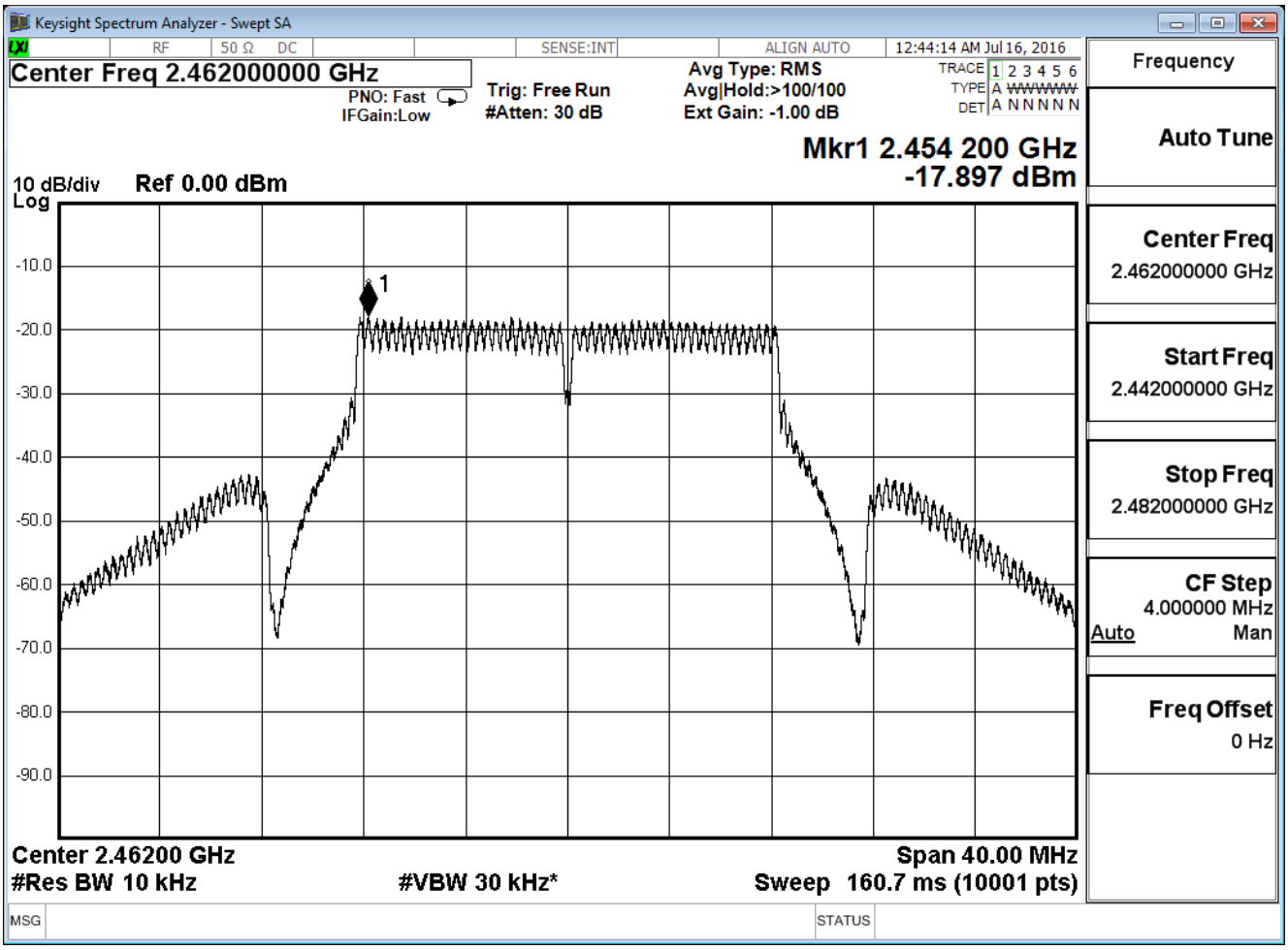
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:43:26 AM Jul 16, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.433 244 GHz
-8.230 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

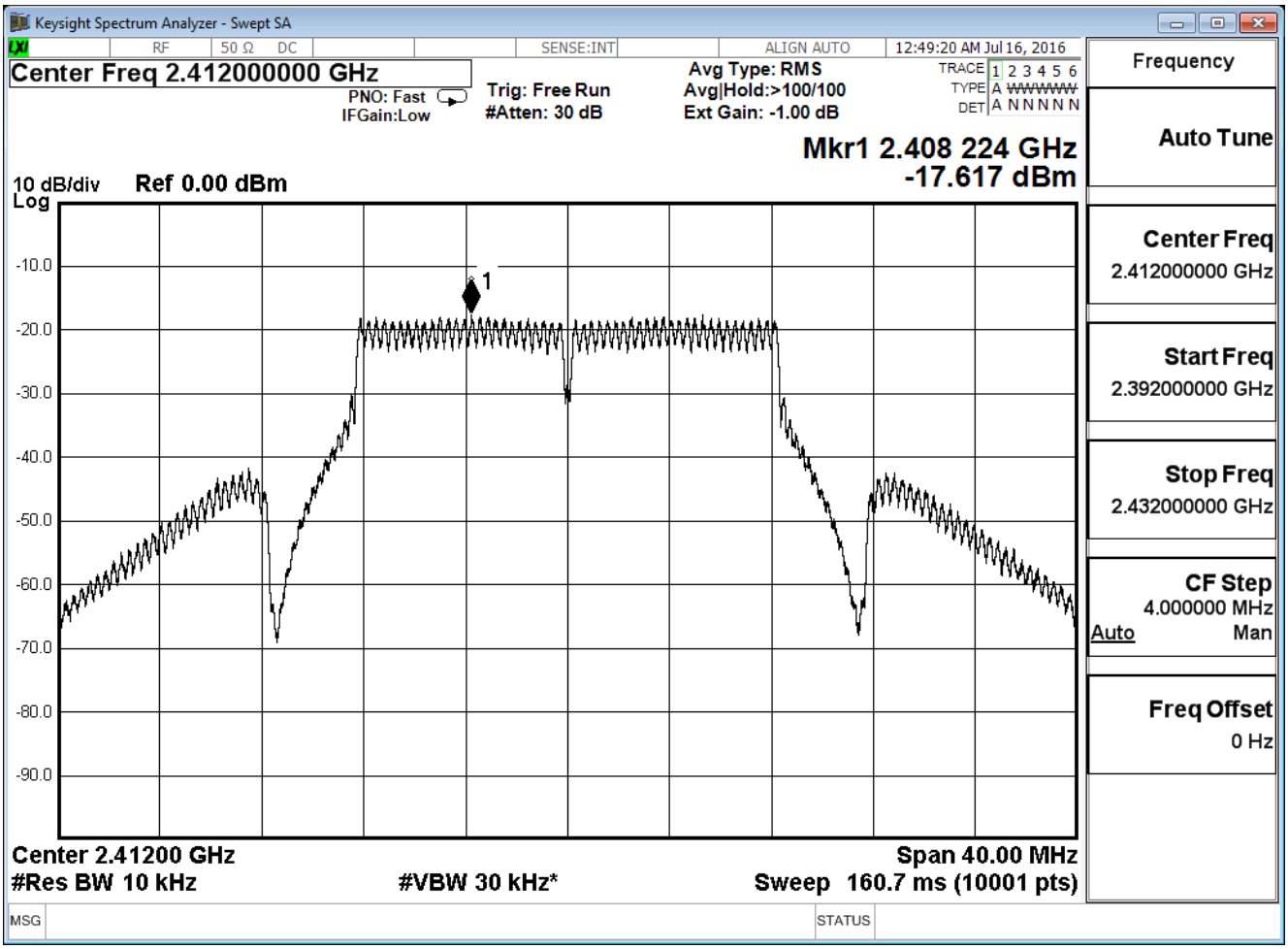
Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:44:14 AM Jul 16, 2016
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.454 200 GHz
-17.897 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

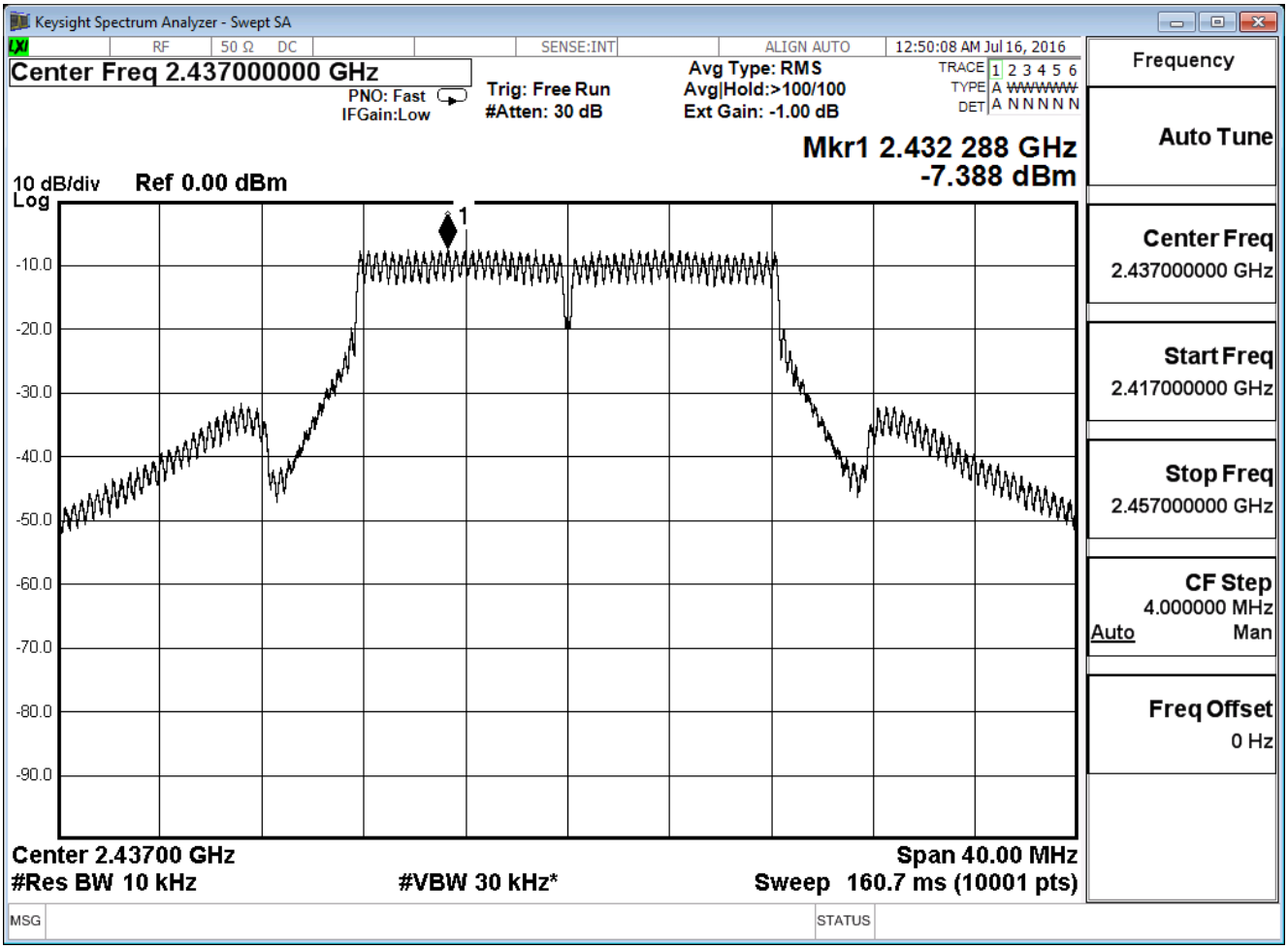
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11g (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-17.617	≦8	Pass
6	2437	-7.388	≦8	Pass
11	2462	-17.927	≦8	Pass

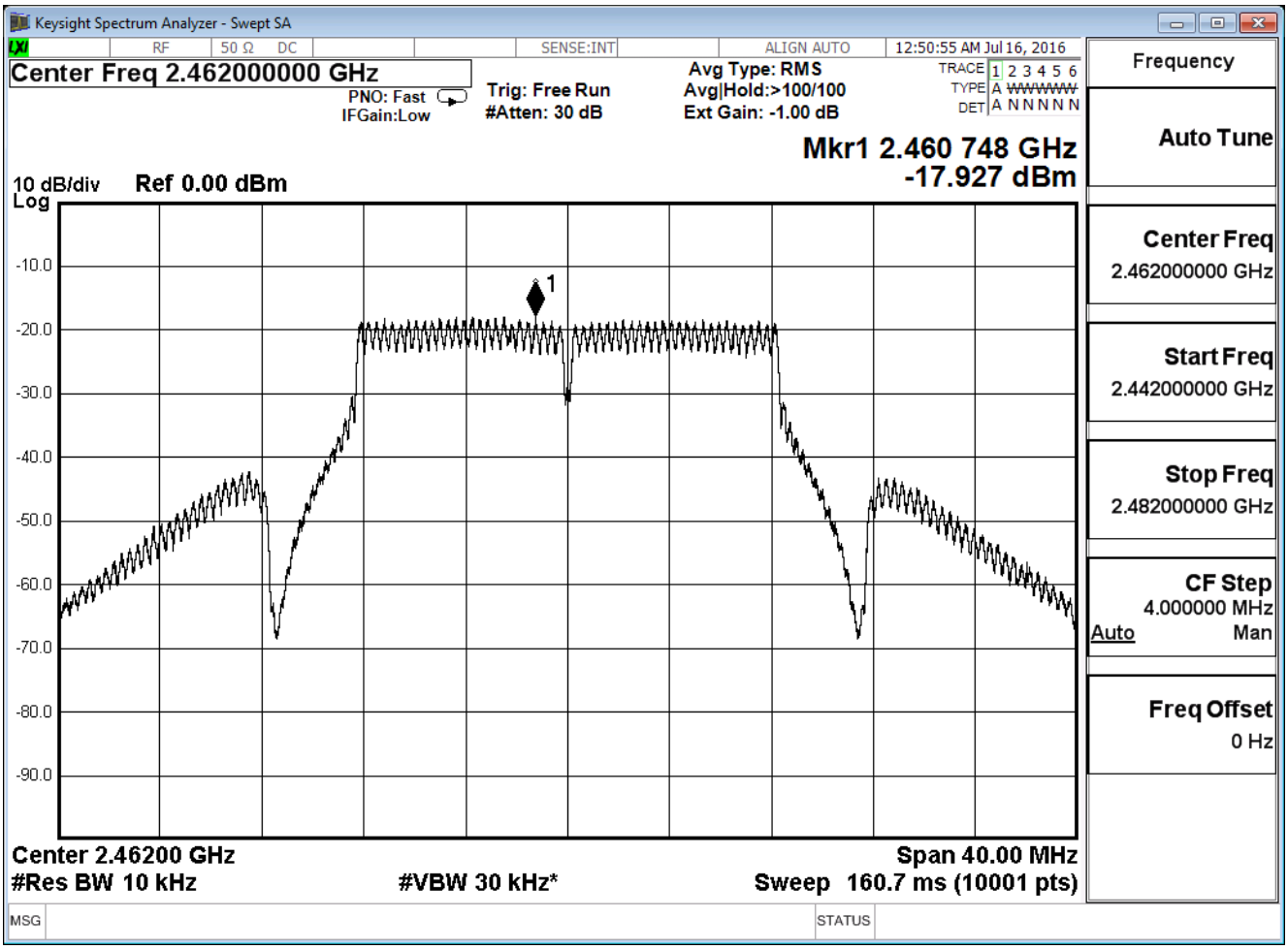
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:50:08 AM Jul 16, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.432 288 GHz
-7.388 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:50:55 AM Jul 16, 2016
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.460 748 GHz
-17.927 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

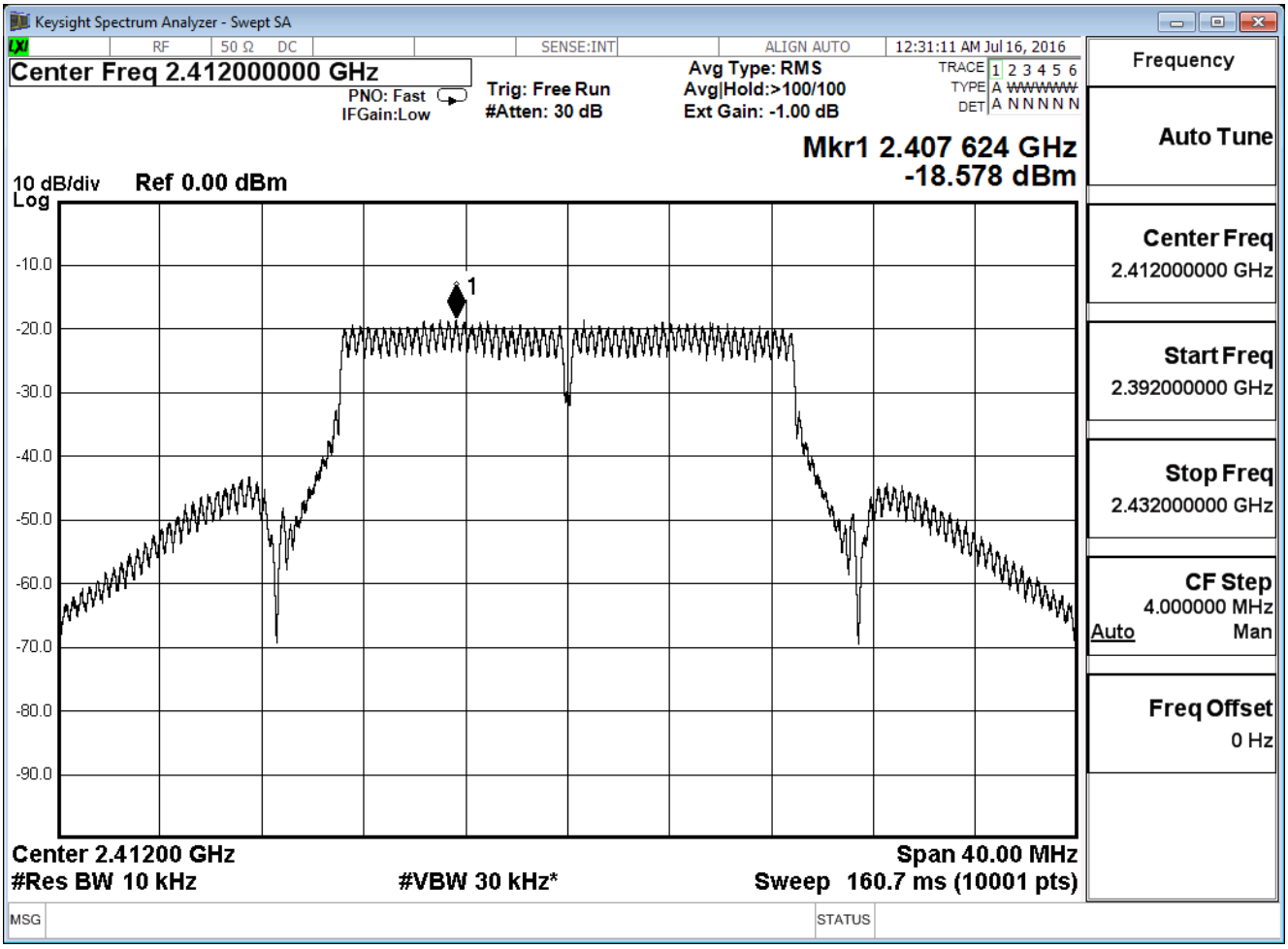
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11g (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-12.887	≦8	Pass
6	2437	-3.334	≦8	Pass
11	2462	-13.367	≦8	Pass

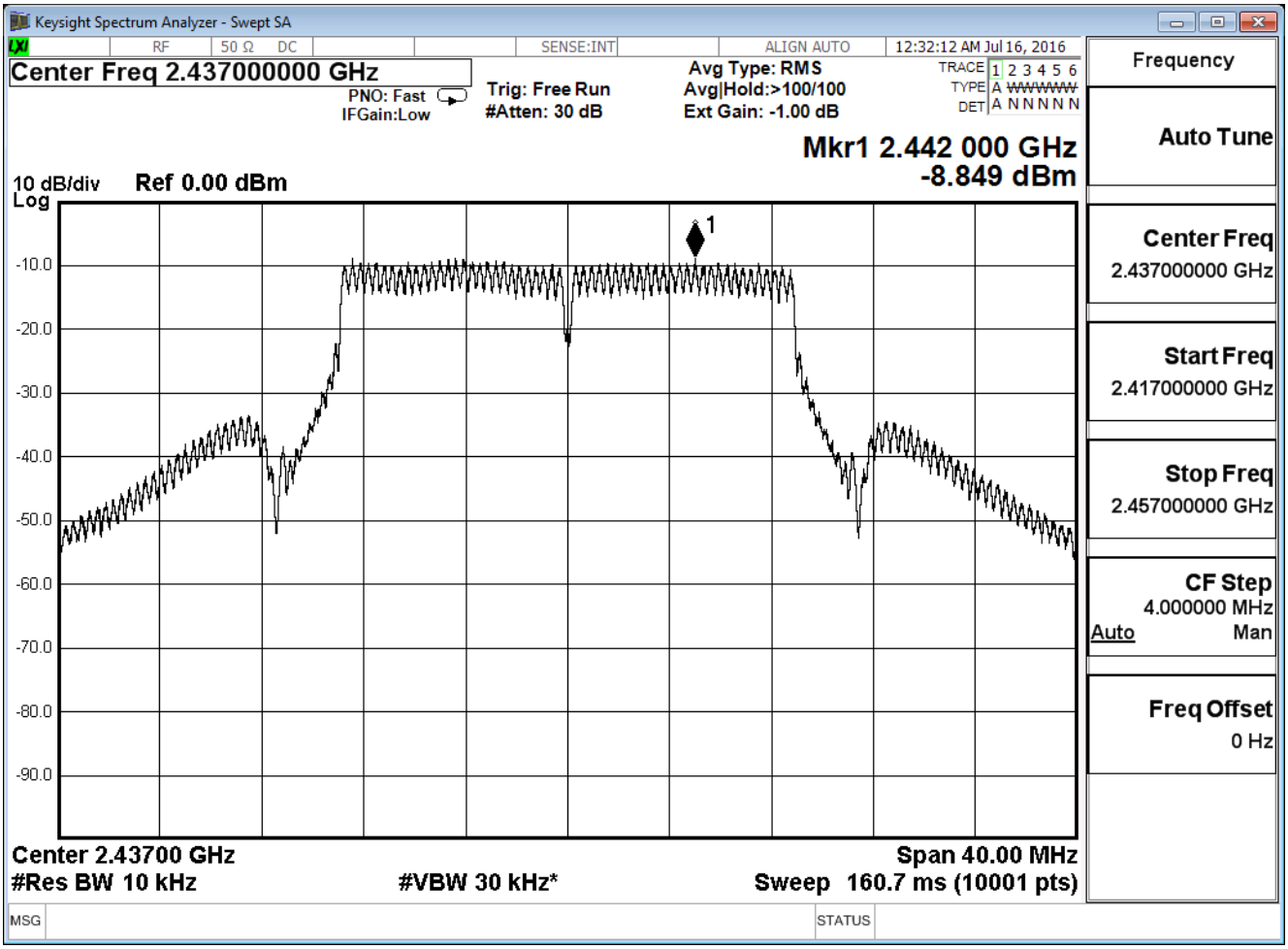
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-18.578	≦8	Pass
6	2437	-8.849	≦8	Pass
11	2462	-19.159	≦8	Pass

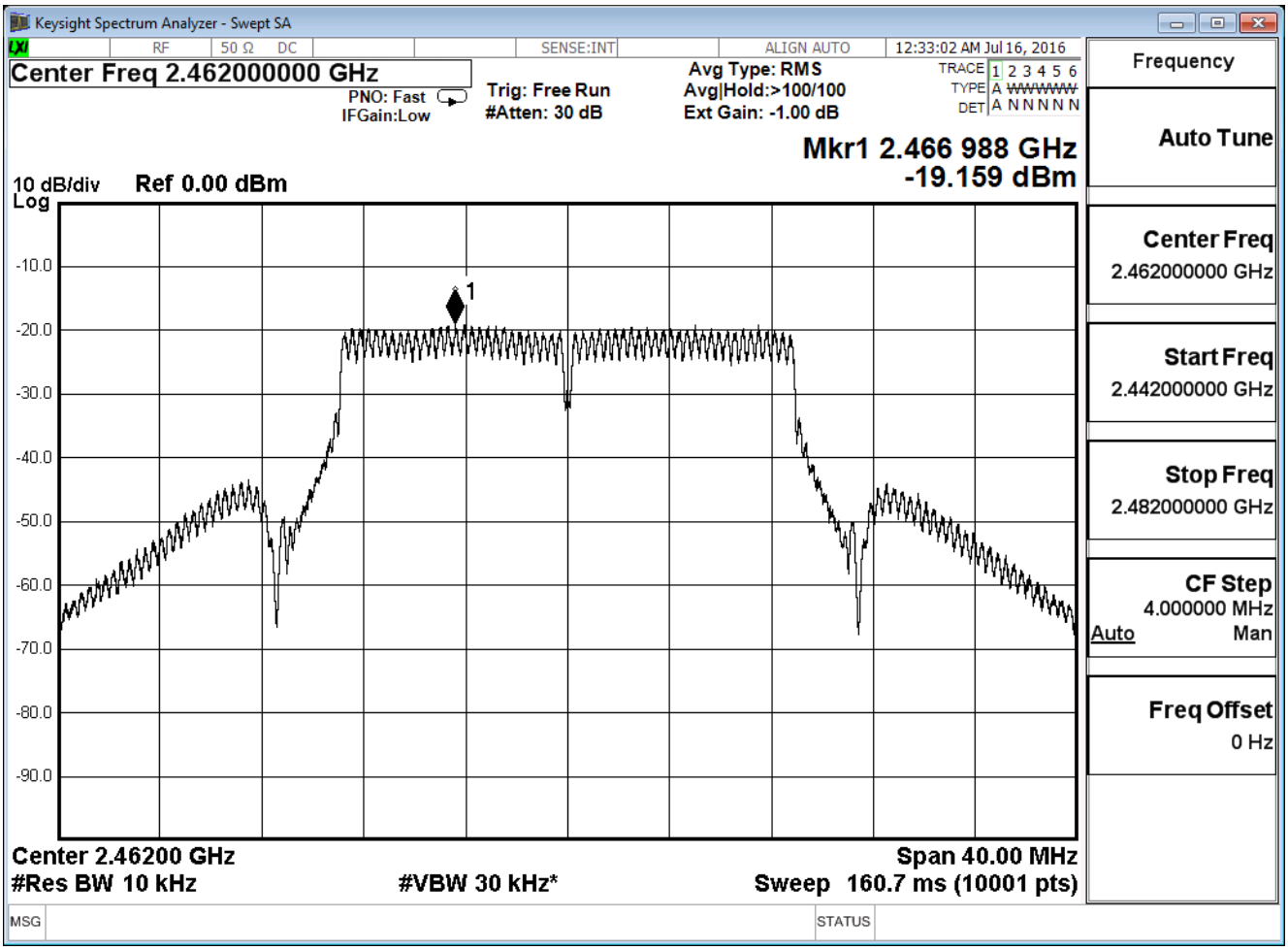
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:32:12 AM Jul 16, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.442 000 GHz
-8.849 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

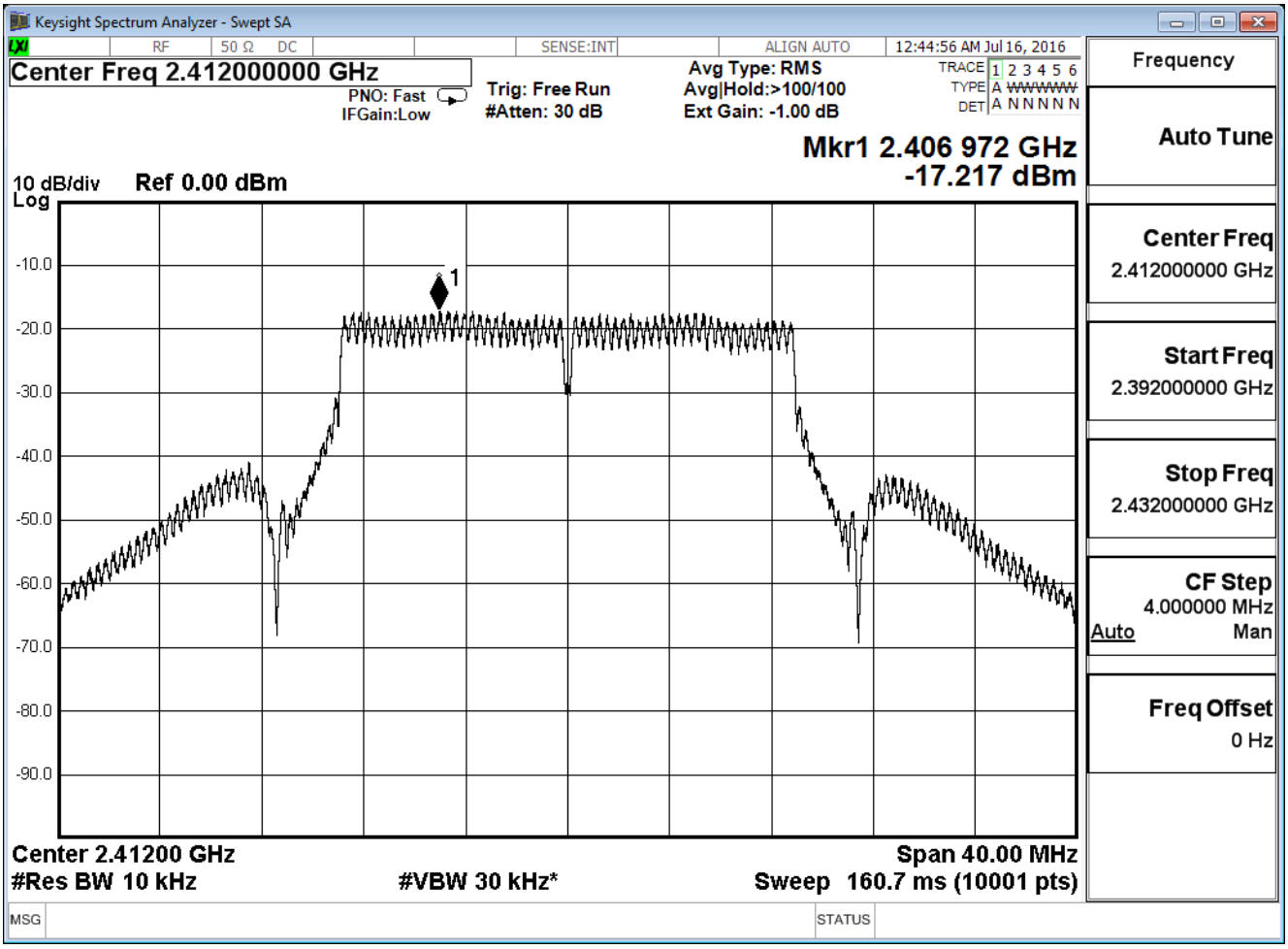
Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:33:02 AM Jul 16, 2016
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.466 988 GHz
-19.159 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

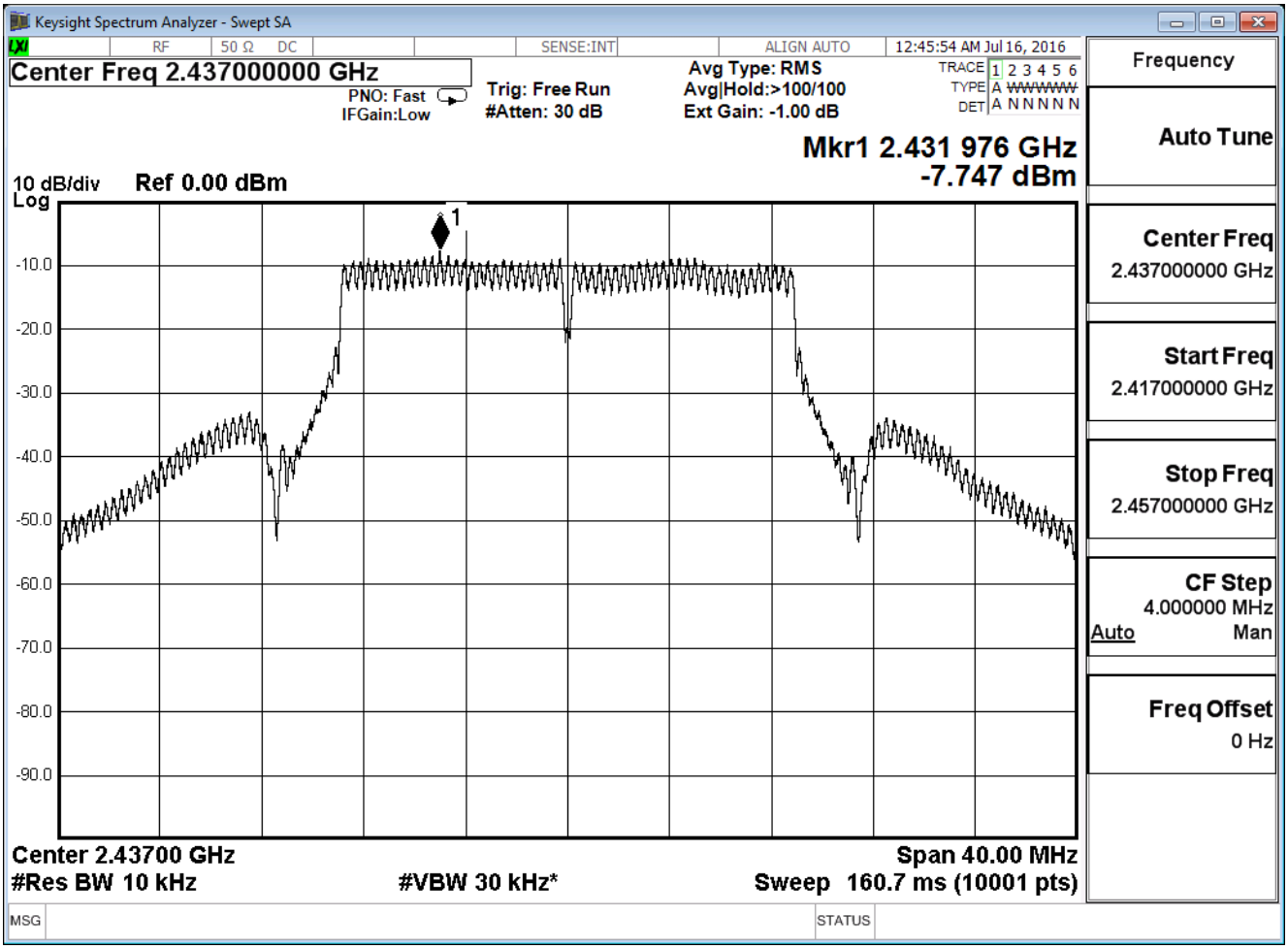
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-17.217	≦8	Pass
6	2437	-7.747	≦8	Pass
11	2462	-18.296	≦8	Pass

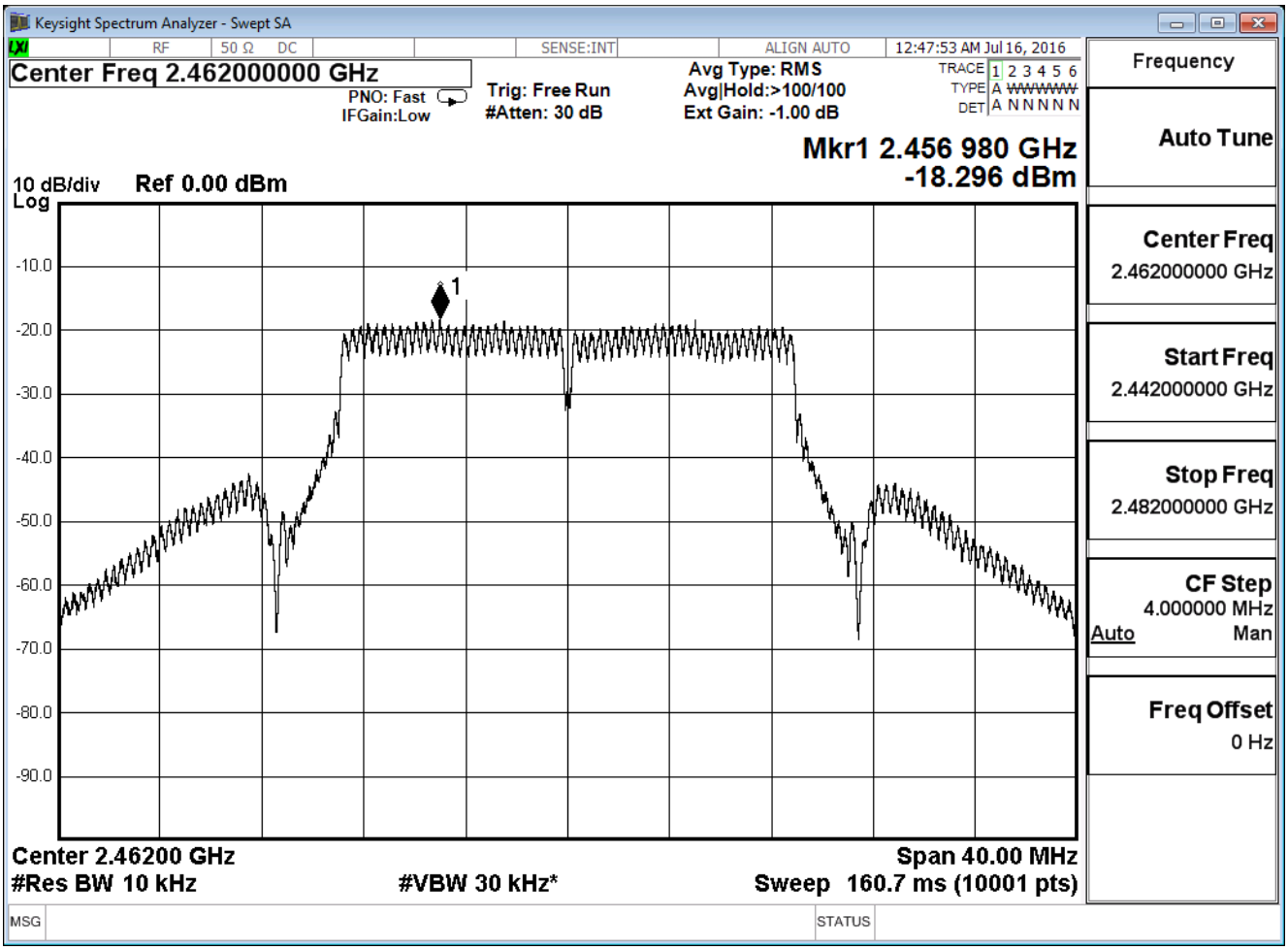
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:45:54 AM Jul 16, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.431 976 GHz
-7.747 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

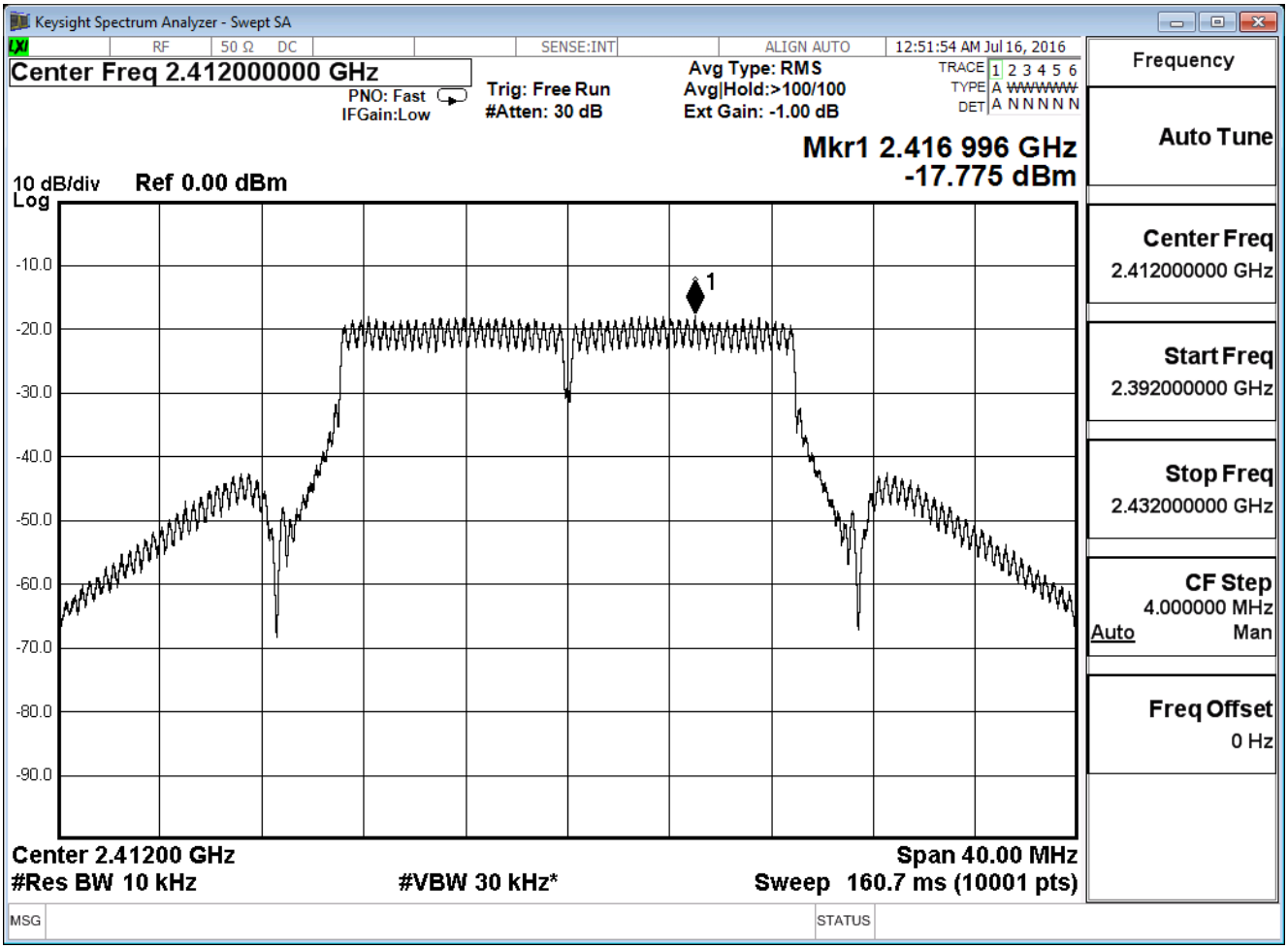
Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:47:53 AM Jul 16, 2016
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.456 980 GHz
-18.296 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
1
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

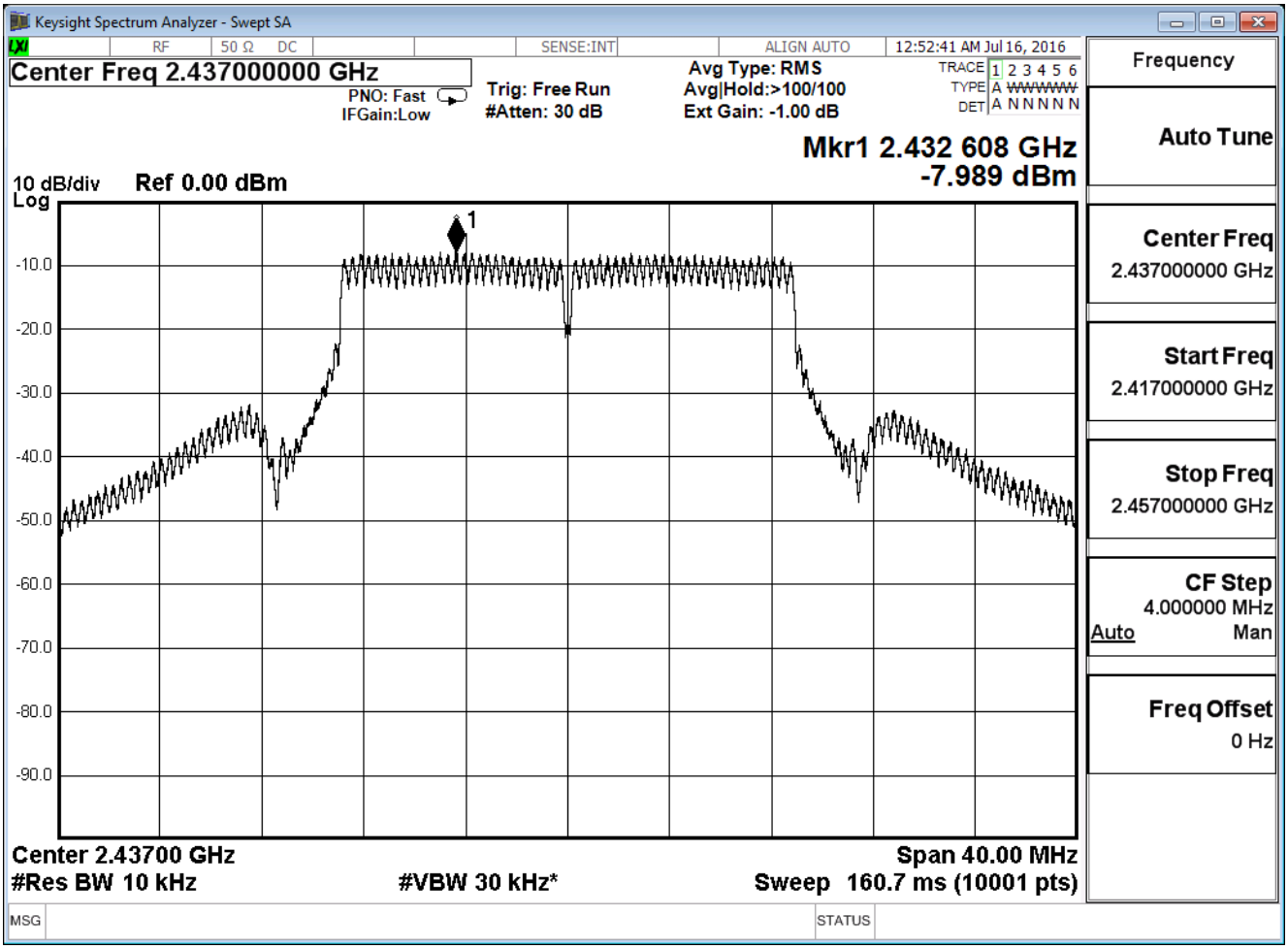
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-17.775	≦8	Pass
6	2437	-7.989	≦8	Pass
11	2462	-18.224	≦8	Pass

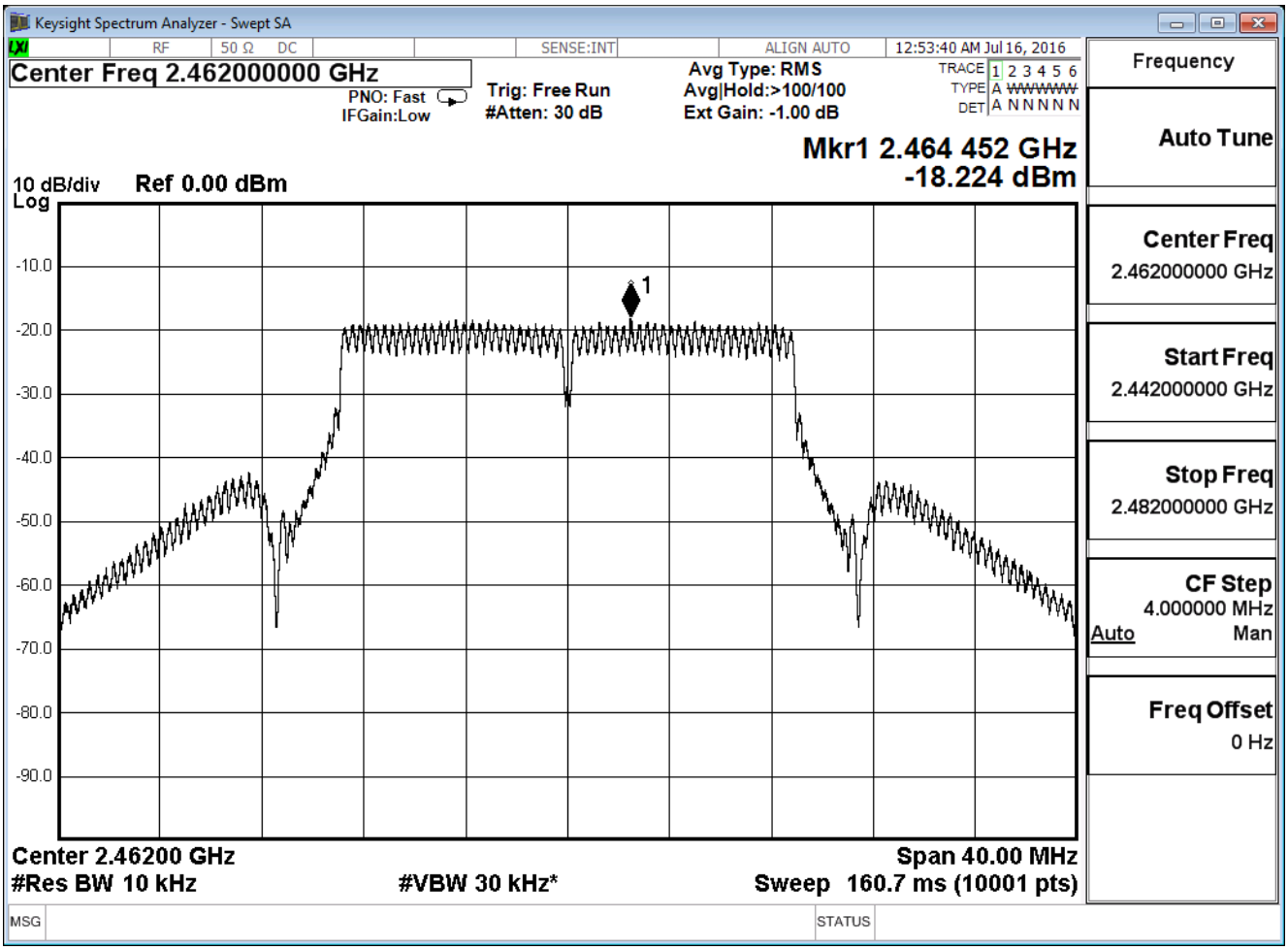
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:52:41 AM Jul 16, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.432 608 GHz
-7.989 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:53:40 AM Jul 16, 2016
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.464 452 GHz
-18.224 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
1
Center 2.46200 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 40.00 MHz
Sweep 160.7 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

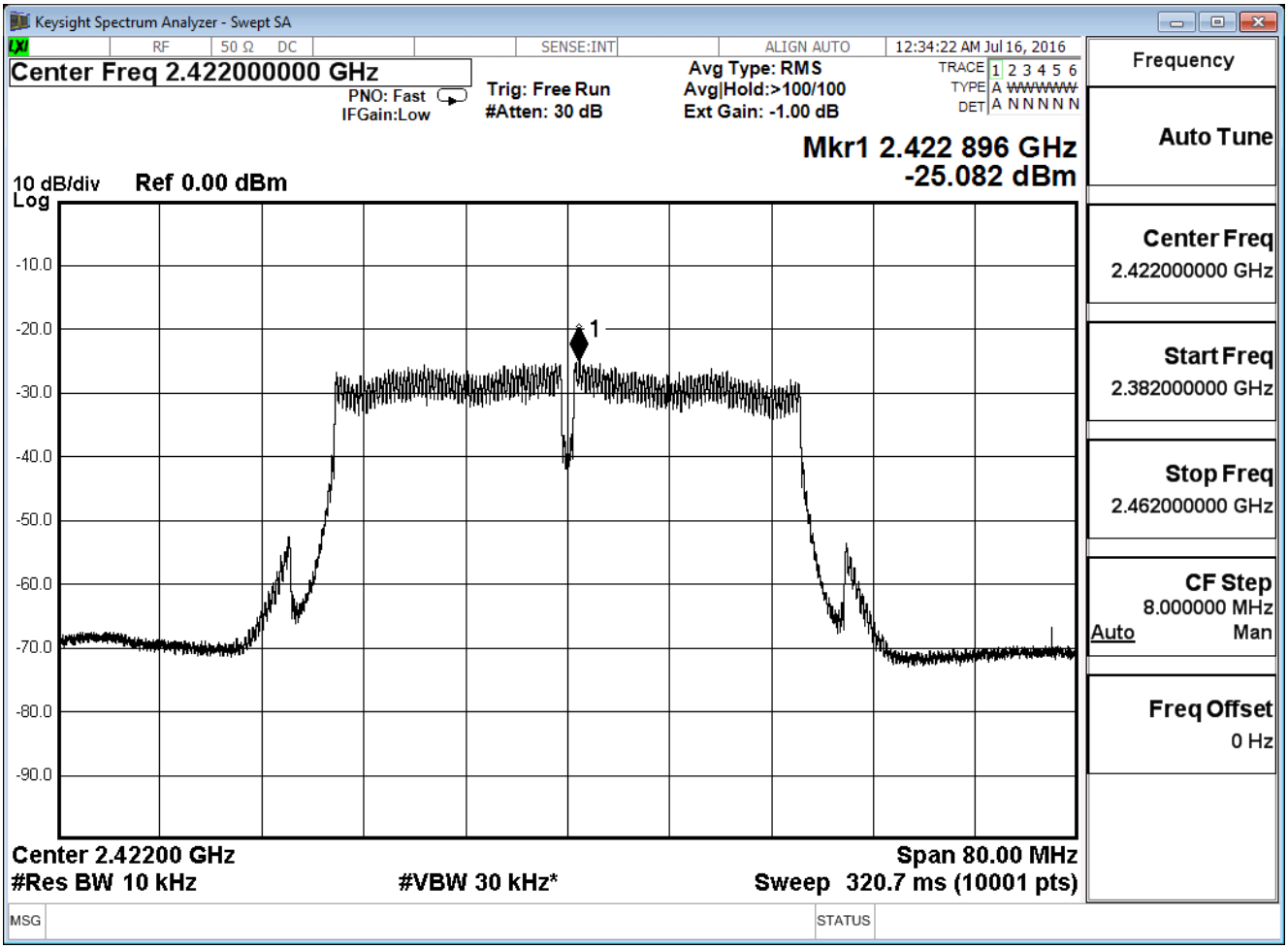
IEEE802.11n 20MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-13.050	≦8	Pass
6	2437	-3.399	≦8	Pass
11	2462	-13.768	≦8	Pass

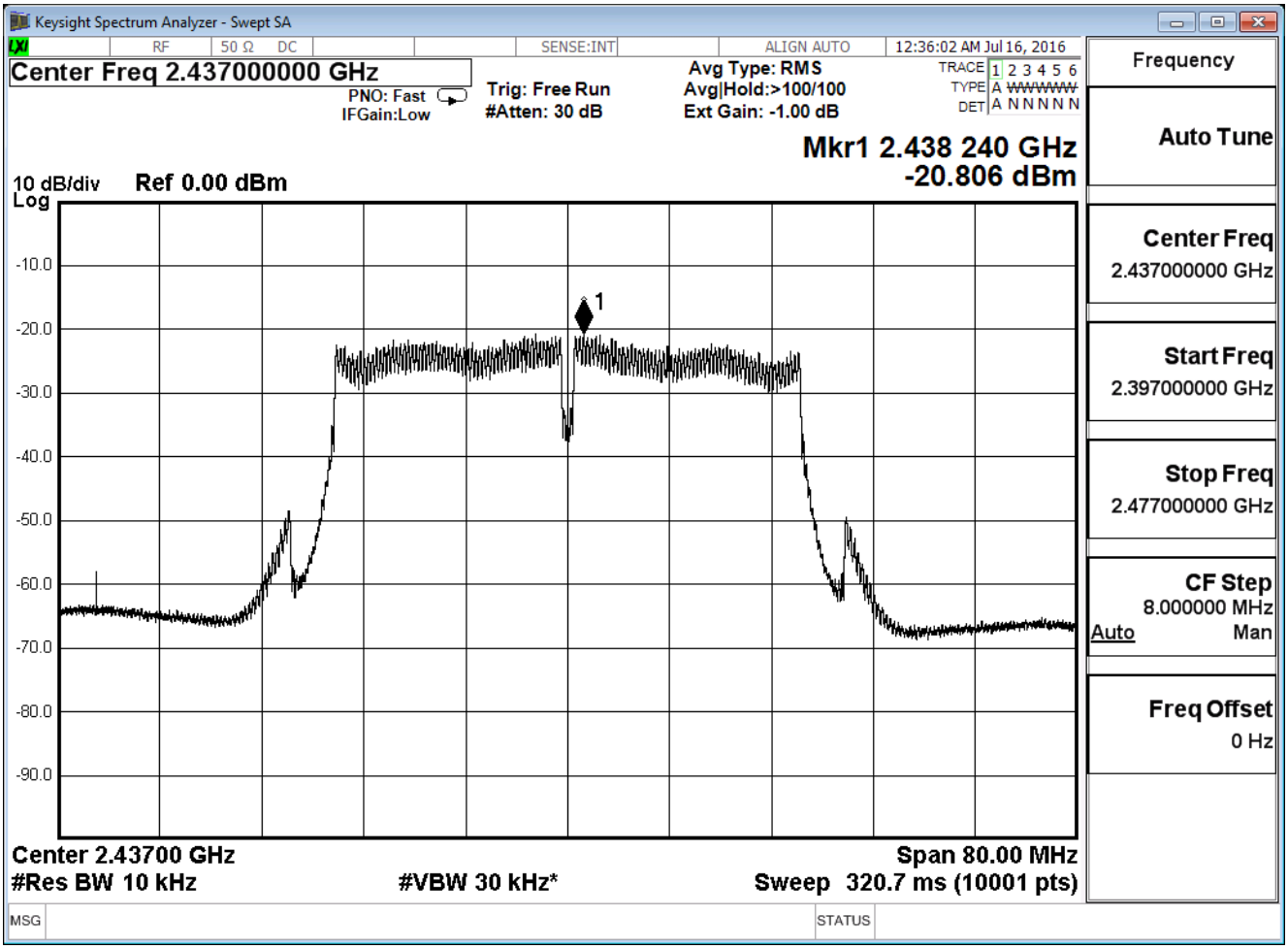
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-25.082	≦8	Pass
6	2437	-20.806	≦8	Pass
9	2452	-26.058	≦8	Pass

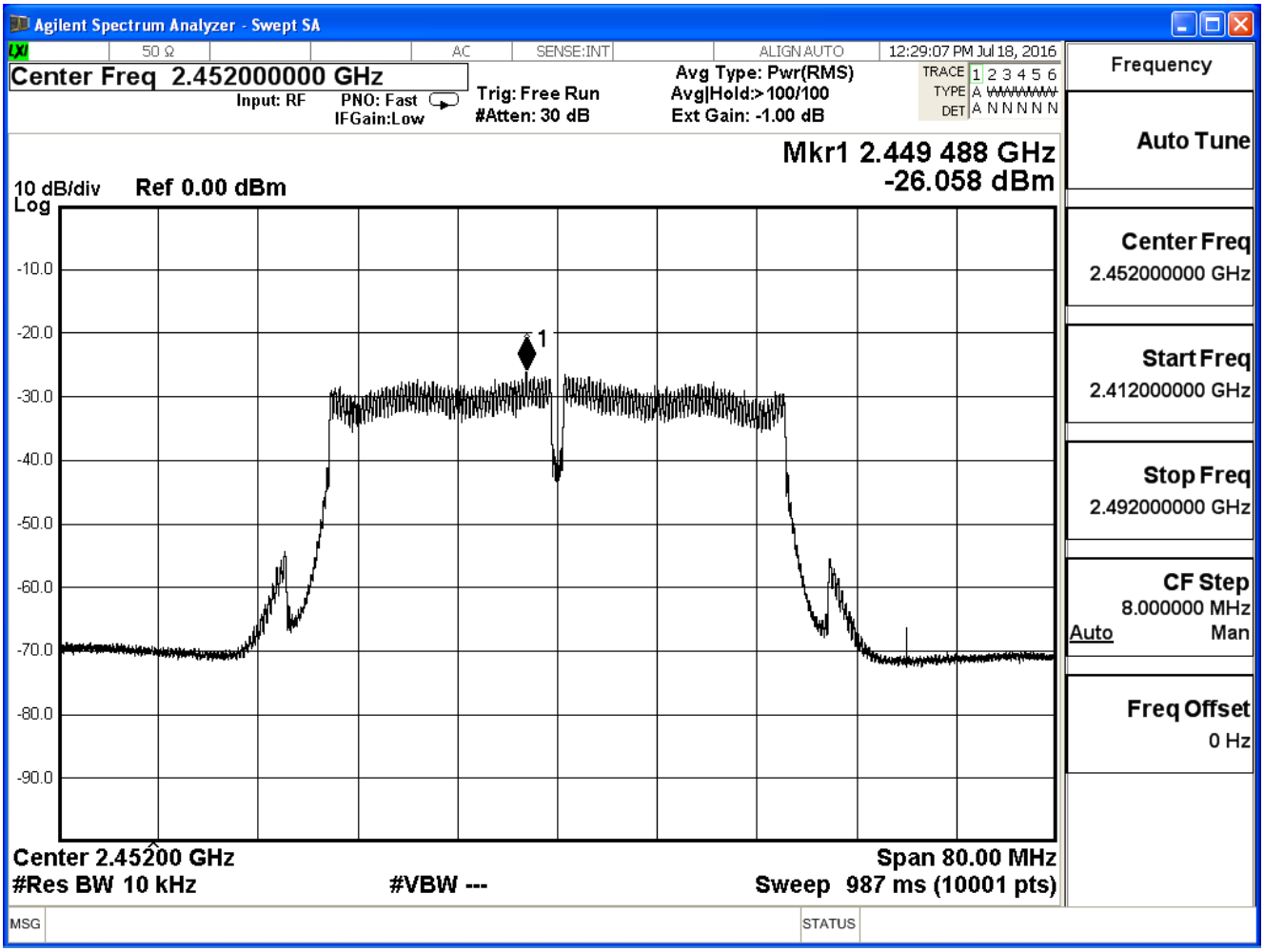
Channel 3



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:36:02 AM Jul 16, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.438 240 GHz
-20.806 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 80.00 MHz
Sweep 320.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.397000000 GHz
Stop Freq
2.477000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

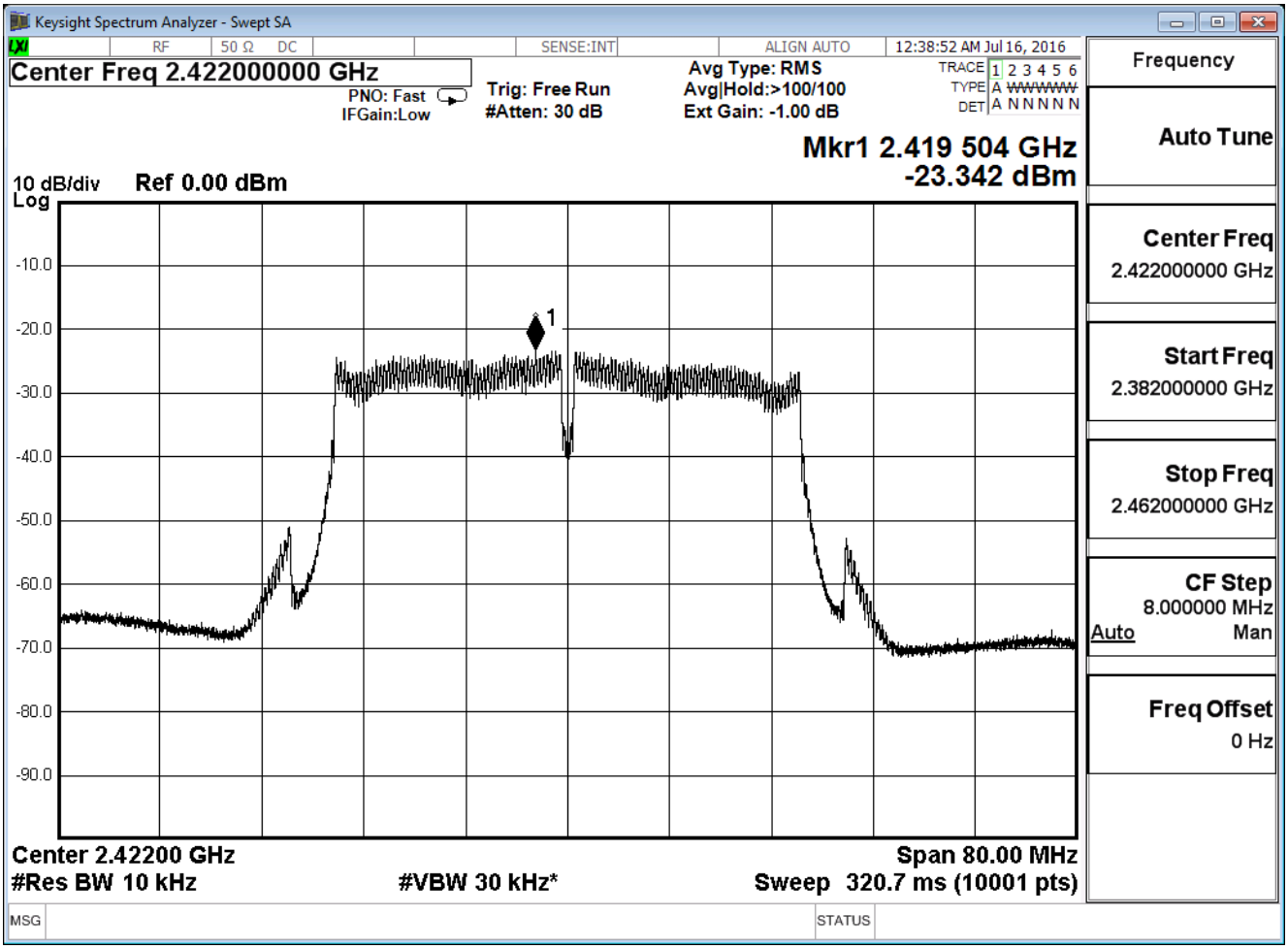
Channel 9


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:29:07 PM Jul 18, 2016
Center Freq 2.452000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.449 488 GHz
-26.058 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
1
Center 2.45200 GHz
#Res BW 10 kHz
#VBW ---
Span 80.00 MHz
Sweep 987 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.412000000 GHz
Stop Freq
2.492000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

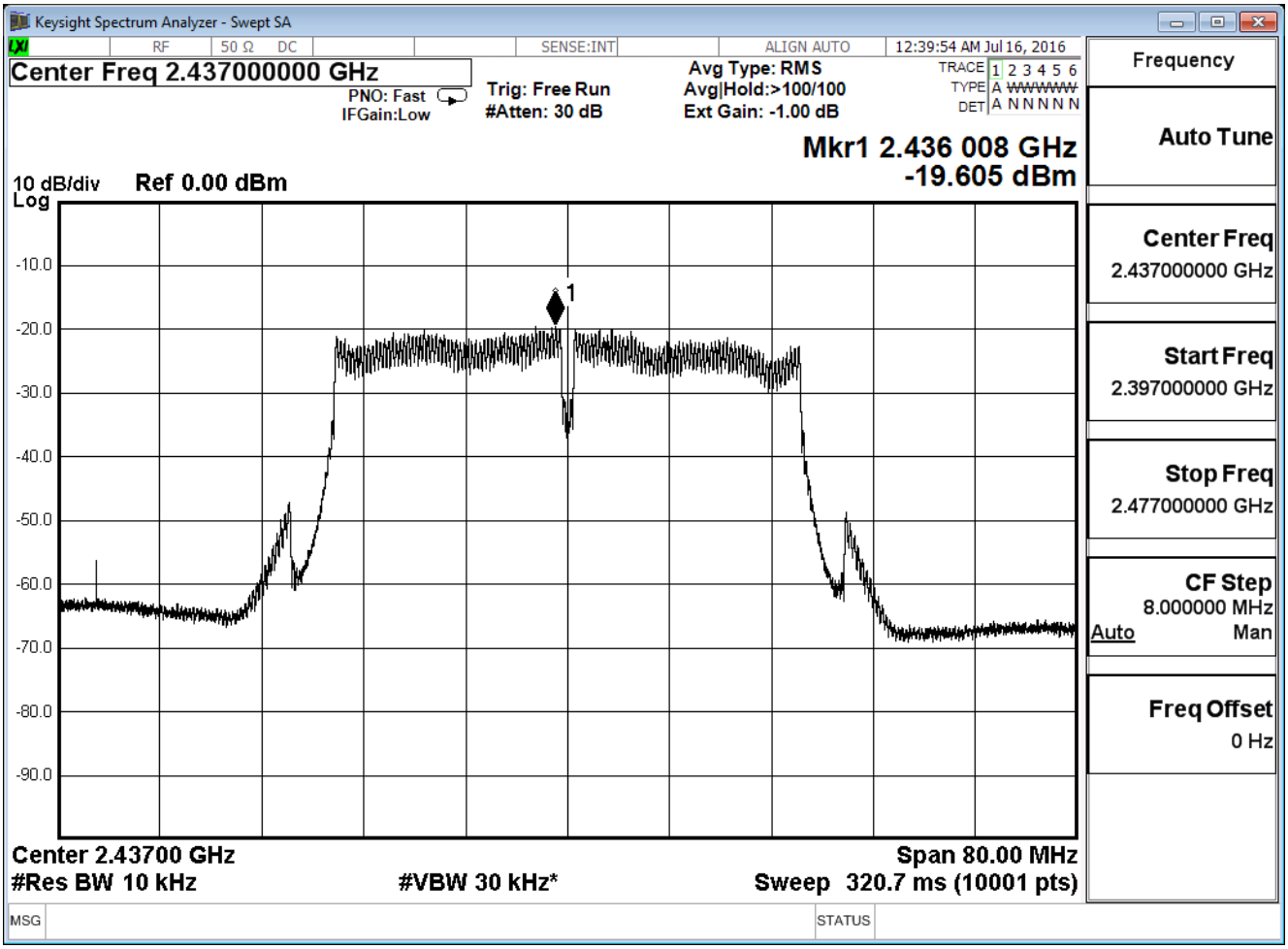
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-23.342	≦8	Pass
6	2437	-19.605	≦8	Pass
9	2452	-21.941	≦8	Pass

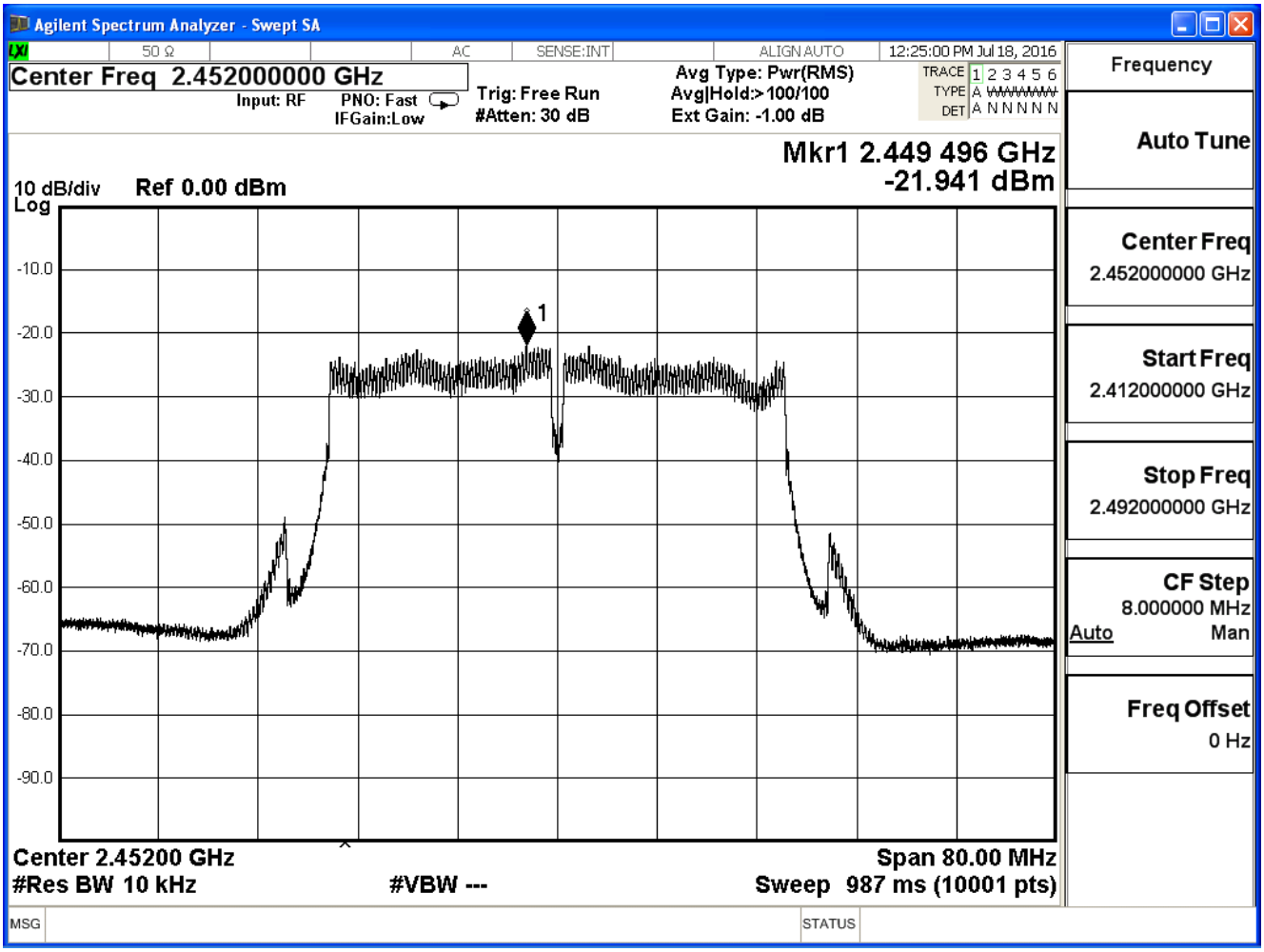
Channel 3



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:39:54 AM Jul 16, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.436 008 GHz
-19.605 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 80.00 MHz
Sweep 320.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.397000000 GHz
Stop Freq
2.477000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

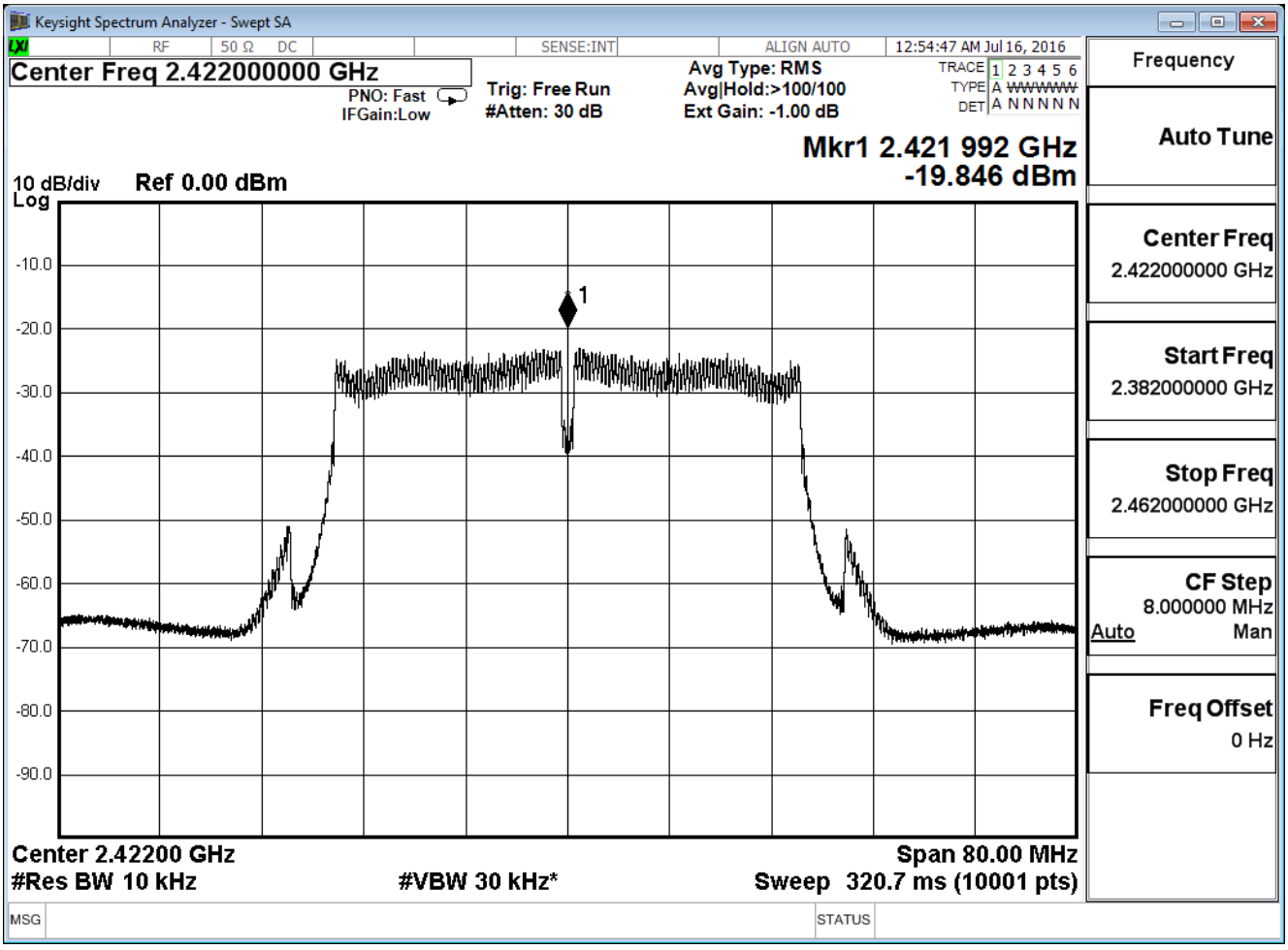
Channel 9


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:25:00 PM Jul 18, 2016
Center Freq 2.452000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.449 496 GHz
-21.941 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.45200 GHz
#Res BW 10 kHz
#VBW ---
Span 80.00 MHz
Sweep 987 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.412000000 GHz
Stop Freq
2.492000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

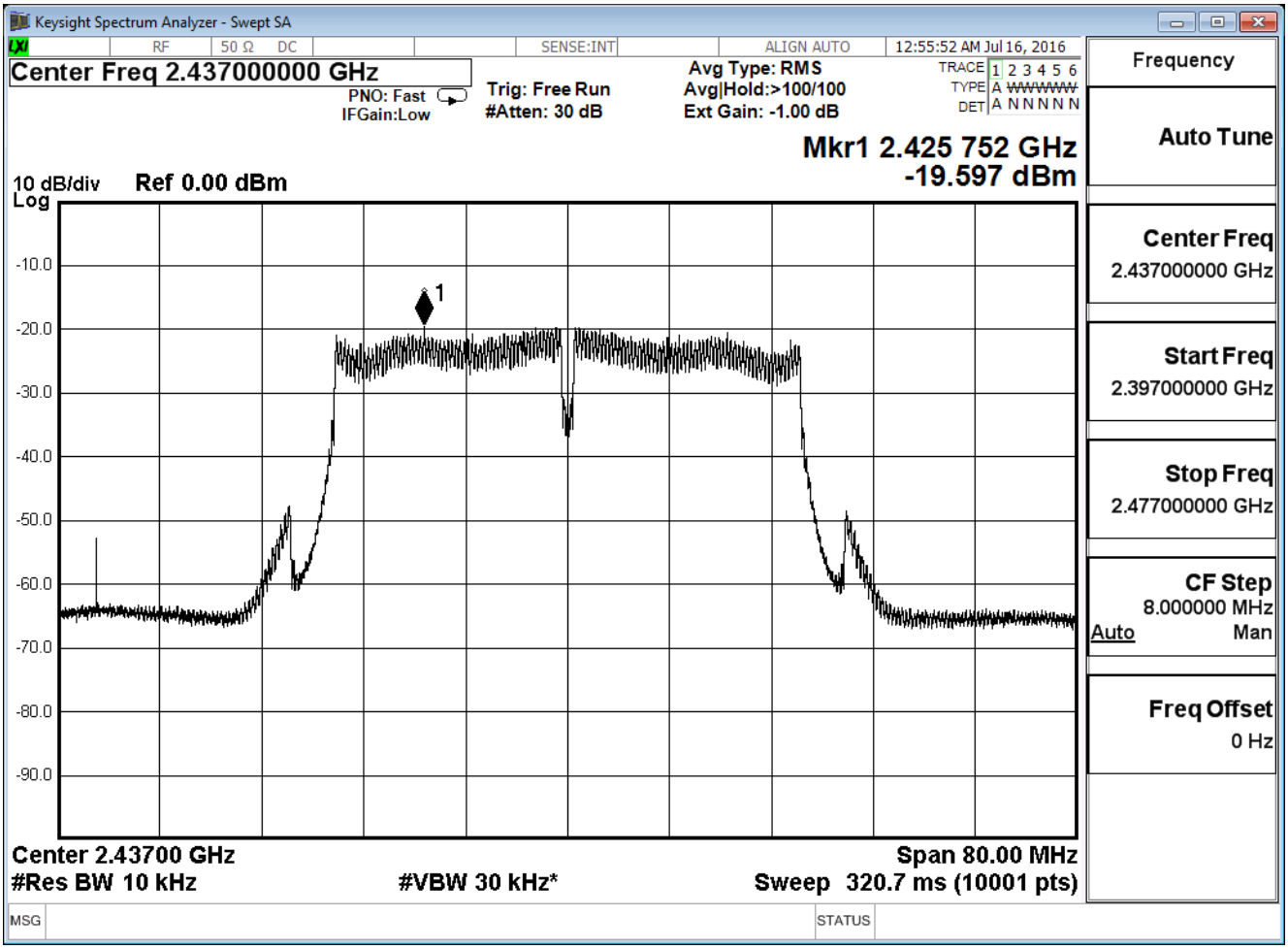
Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-19.846	≦8	Pass
6	2437	-19.597	≦8	Pass
9	2452	-21.575	≦8	Pass

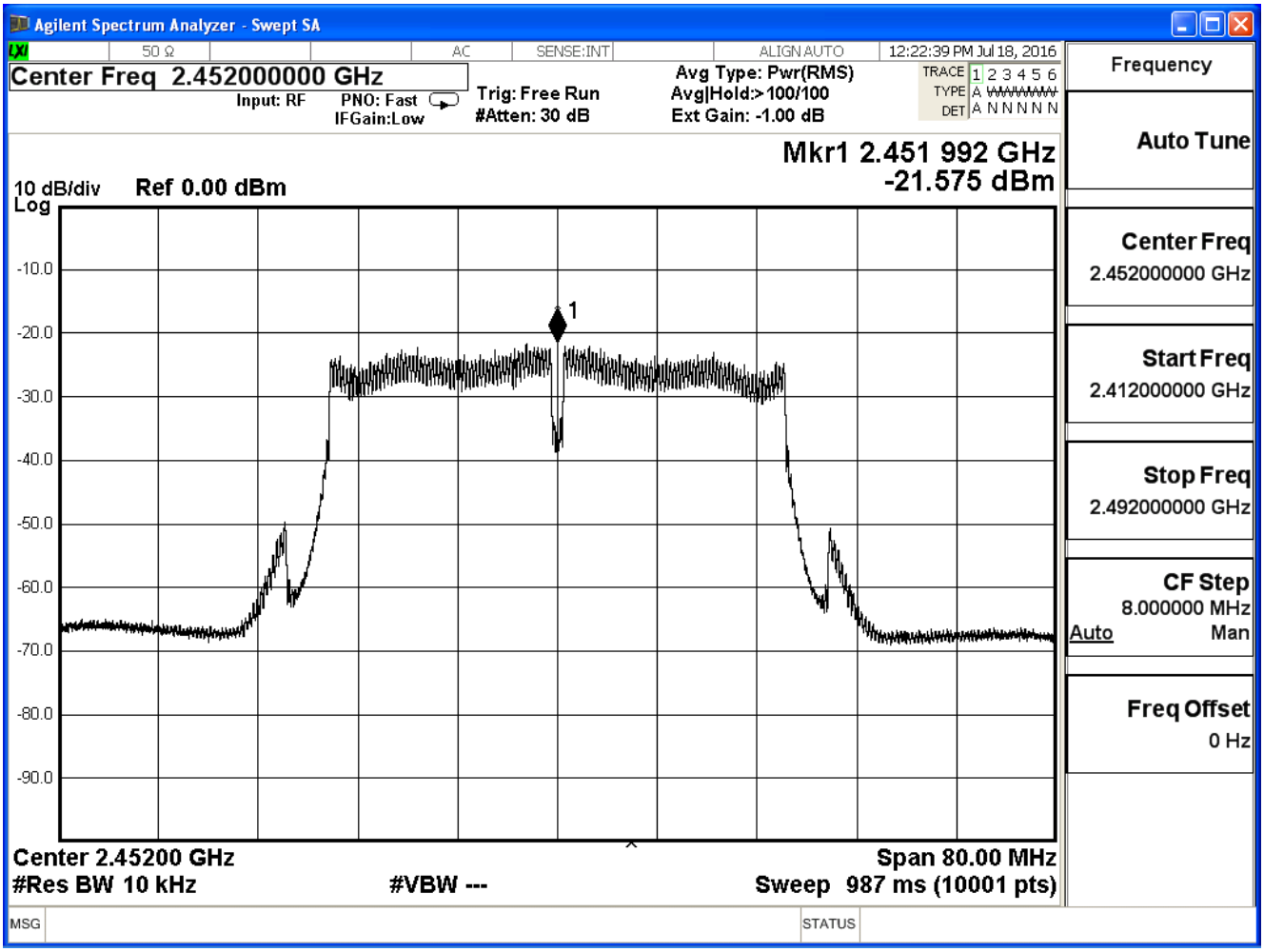
Channel 3



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
12:55:52 AM Jul 16, 2016
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.425 752 GHz
-19.597 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Center 2.43700 GHz
#Res BW 10 kHz
#VBW 30 kHz*
Span 80.00 MHz
Sweep 320.7 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.397000000 GHz
Stop Freq
2.477000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 9


Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:22:39 PM Jul 18, 2016
Center Freq 2.452000000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.451 992 GHz
-21.575 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
1
Center 2.45200 GHz
#Res BW 10 kHz
#VBW ---
Span 80.00 MHz
Sweep 987 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.412000000 GHz
Stop Freq
2.492000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Product	Gigabit Router Dual-band Wireless-N900		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_2.4 PA: Richwave; ADP: AD890326010-2LF		
Date of Test	2016/07/16	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-17.424	≦8	Pass
6	2437	-15.196	≦8	Pass
9	2452	-18.004	≦8	Pass