POWER SPECTRAL DENSITY

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
MN08 Direct Connect Cable	ESM Cable Corp.	TTBJ141 KMKM-72	MNU	10/2/2014	12
Attenuator - 20db, 'SMA'	SM Electronics	SA26B-20	RFW	4/3/2014	12
40 GHz DC Block	Fairview Microwave	SD3379	AMI	10/2/2014	12
MXG Vector Signal Generator	Agilent	N5182A	TIF	8/12/2014	36
Spectrum Analyzer	Agilent	E4440A	AAX	4/28/2014	12

TEST DESCRIPTION

The maximum power spectral density measurements were measured with the EUT set to the required transmit frequencies in each band. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the lowest, middle, and maximum data rate for each modulation type available.

Per the procedure outlined in FCC KDB 558074 D01 DTS Measurement Section 5.3.1, the spectrum analyzer was used as follows:

- RBW = 100 kHz
- VBW = 300 kHz
- Detector = Peak (to match method used for power measurement)
- Trace = Max hold

The observed power level is then scaled to an equivalent value in 3 kHz by adding a Bandwidth Correction Factor (BWCF) where:

BWCF = 10*LOG (3 kHz / 100 kHz) = -15.2 dB

POWER SPECTRAL DENSITY

EUT:	TH6320WF02			Work Order:	HNYW0120
Serial Number:	71630010589274			Date:	12/11/14
Customer:	Honeywell, Automation and Control Solutions			Temperature:	23.5°C
Attendees:	None			Humidity:	21%
Project:	None			Barometric Pres.:	1026.4
Tested by:	Trevor Buls	Power:	110VAC/60Hz	Job Site:	MN08

TEST SPECIFICATIONS	Test Method
FCC 15.247:2014	ANSI C63.10:2009

COMMENTS

None

DEVIATIONS FROM TEST STANDARD

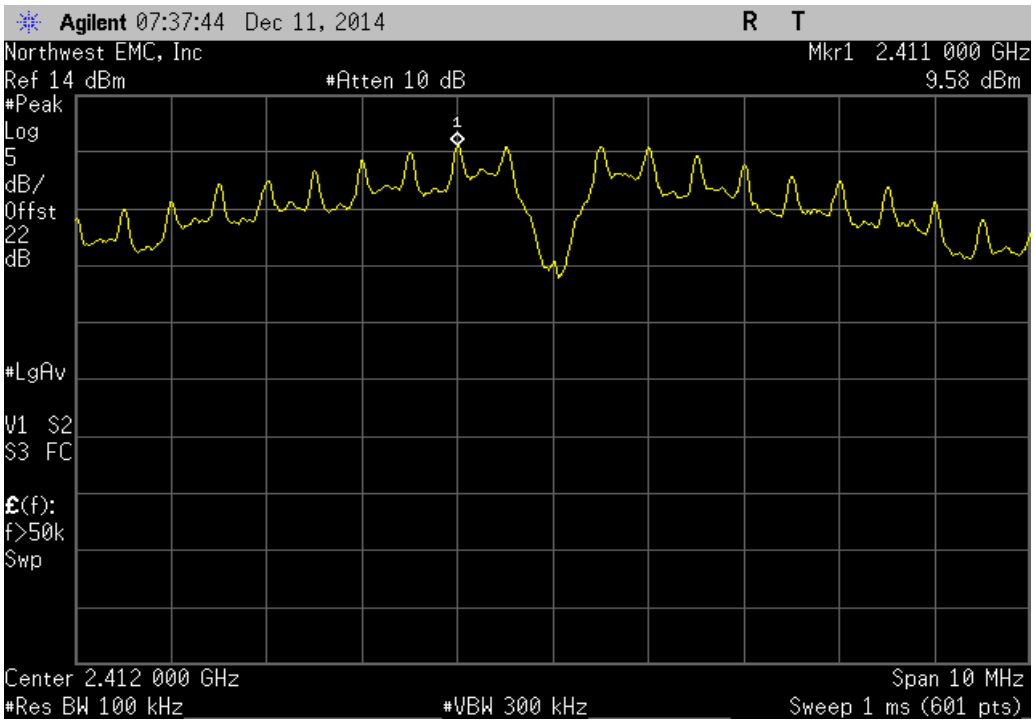
None

Configuration #	2	Signature	Trevor Buls

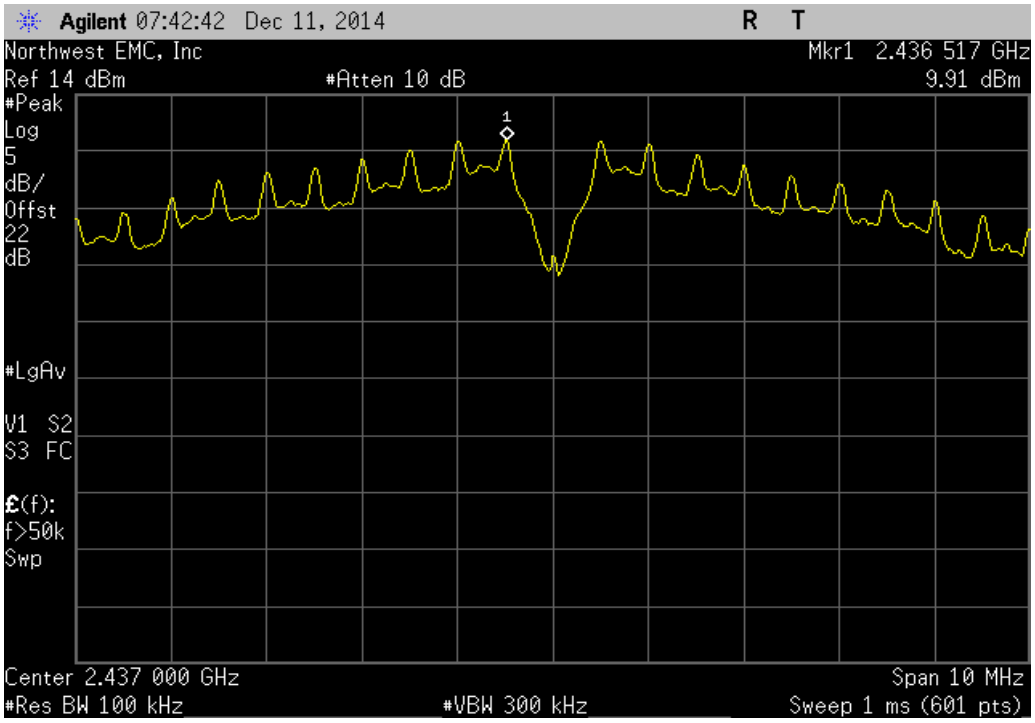
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
Antenna 0						
	802.11(b) 1 Mbps					
	Low Channel 1, 2412 MHz	9.584	-15.2	-5.616	8	Pass
	Mid Channel 6, 2437 MHz	9.913	-15.2	-5.287	8	Pass
	High Channel 11, 2462 MHz	10.004	-15.2	-5.196	8	Pass
	802.11(b) 11 Mbps					
	Low Channel 1, 2412 MHz	10.135	-15.2	-5.065	8	Pass
	Mid Channel 6, 2437 MHz	10.076	-15.2	-5.124	8	Pass
	High Channel 11, 2462 MHz	10.31	-15.2	-4.89	8	Pass
	802.11(g) 6 Mbps					
	Low Channel 1, 2412 MHz	2.426	-15.2	-12.774	8	Pass
	Mid Channel 6, 2437 MHz	7.126	-15.2	-8.074	8	Pass
	High Channel 11, 2462 MHz	1.961	-15.2	-13.239	8	Pass
	802.11(g) 36 Mbps					
	Low Channel 1, 2412 MHz	2.385	-15.2	-12.815	8	Pass
	Mid Channel 6, 2437 MHz	7.158	-15.2	-8.042	8	Pass
	High Channel 11, 2462 MHz	2.166	-15.2	-13.034	8	Pass
	802.11(g) 54 Mbps					
	Low Channel 1, 2412 MHz	2.238	-15.2	-12.962	8	Pass
	Mid Channel 6, 2437 MHz	7.194	-15.2	-8.006	8	Pass
	High Channel 11, 2462 MHz	2.201	-15.2	-12.999	8	Pass
	802.11(n) MCS0					
	Low Channel 1, 2412 MHz	1.972	-15.2	-13.228	8	Pass
	Mid Channel 6, 2437 MHz	7.091	-15.2	-8.109	8	Pass
	High Channel 11, 2462 MHz	2	-15.2	-13.2	8	Pass
	802.11(n) MCS7					
	Low Channel 1, 2412 MHz	2.106	-15.2	-13.094	8	Pass
	Mid Channel 6, 2437 MHz	7.206	-15.2	-7.994	8	Pass
	High Channel 11, 2462 MHz	1.743	-15.2	-13.457	8	Pass
Antenna 1						
	802.11(b) 1 Mbps					
	Low Channel 1, 2412 MHz	8.968	-15.2	-6.232	8	Pass
	Mid Channel 6, 2437 MHz	9.142	-15.2	-6.058	8	Pass
	High Channel 11, 2462 MHz	8.938	-15.2	-6.262	8	Pass
	802.11(b) 11 Mbps					
	Low Channel 1, 2412 MHz	10.284	-15.2	-4.916	8	Pass
	Mid Channel 6, 2437 MHz	10.31	-15.2	-4.89	8	Pass
	High Channel 11, 2462 MHz	9.902	-15.2	-5.298	8	Pass
	802.11(g) 6 Mbps					
	Low Channel 1, 2412 MHz	3.364	-15.2	-11.836	8	Pass
	Mid Channel 6, 2437 MHz	6.414	-15.2	-8.786	8	Pass
	High Channel 11, 2462 MHz	2.437	-15.2	-12.763	8	Pass
	802.11(g) 36 Mbps					
	Low Channel 1, 2412 MHz	3.198	-15.2	-12.002	8	Pass
	Mid Channel 6, 2437 MHz	6.744	-15.2	-8.456	8	Pass
	High Channel 11, 2462 MHz	2.494	-15.2	-12.706	8	Pass
	802.11(g) 54 Mbps					
	Low Channel 1, 2412 MHz	3.196	-15.2	-12.004	8	Pass
	Mid Channel 6, 2437 MHz	6.605	-15.2	-8.595	8	Pass
	High Channel 11, 2462 MHz	2.527	-15.2	-12.673	8	Pass
	802.11(n) MCS0					
	Low Channel 1, 2412 MHz	1.729	-15.2	-13.471	8	Pass
	Mid Channel 6, 2437 MHz	6.652	-15.2	-8.548	8	Pass
	High Channel 11, 2462 MHz	1.371	-15.2	-13.829	8	Pass
	802.11(n) MCS7					
	Low Channel 1, 2412 MHz	1.89	-15.2	-13.31	8	Pass
	Mid Channel 6, 2437 MHz	6.635	-15.2	-8.565	8	Pass
	High Channel 11, 2462 MHz	1.509	-15.2	-13.691	8	Pass

POWER SPECTRAL DENSITY

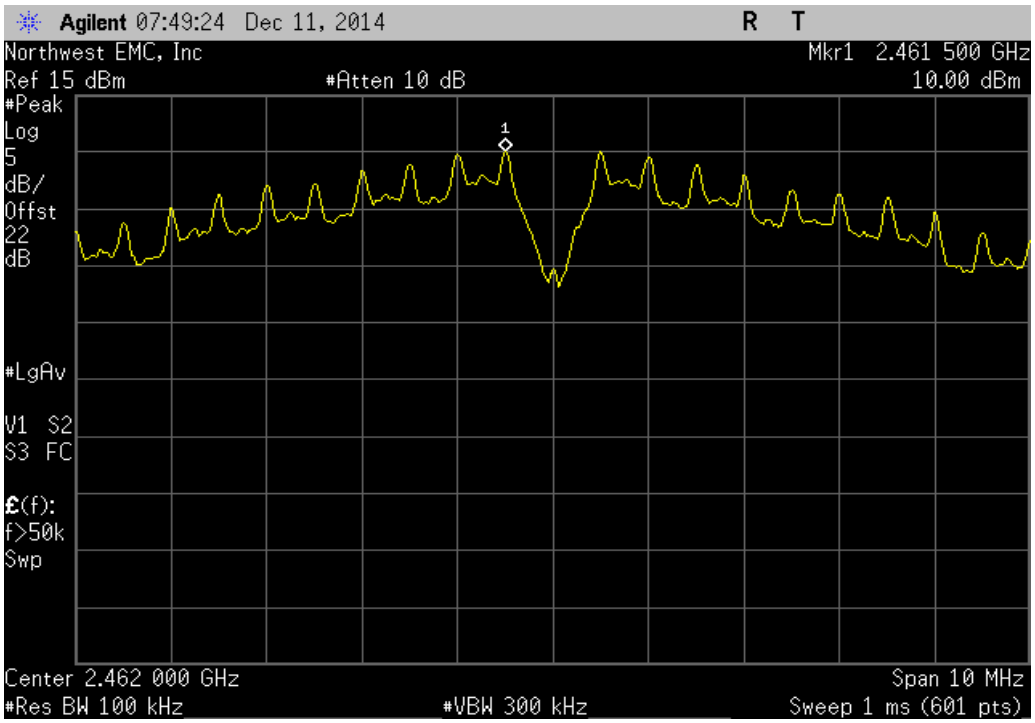
Antenna 0, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		9.584	-15.2	-5.616	8	Pass



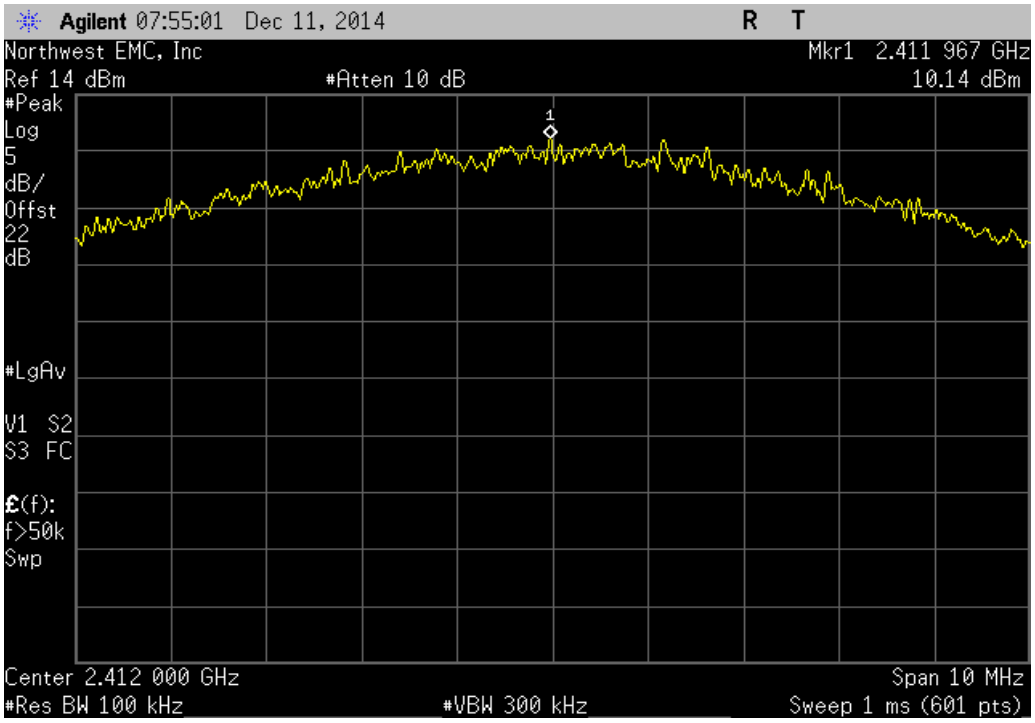
Antenna 0, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		9.913	-15.2	-5.287	8	Pass



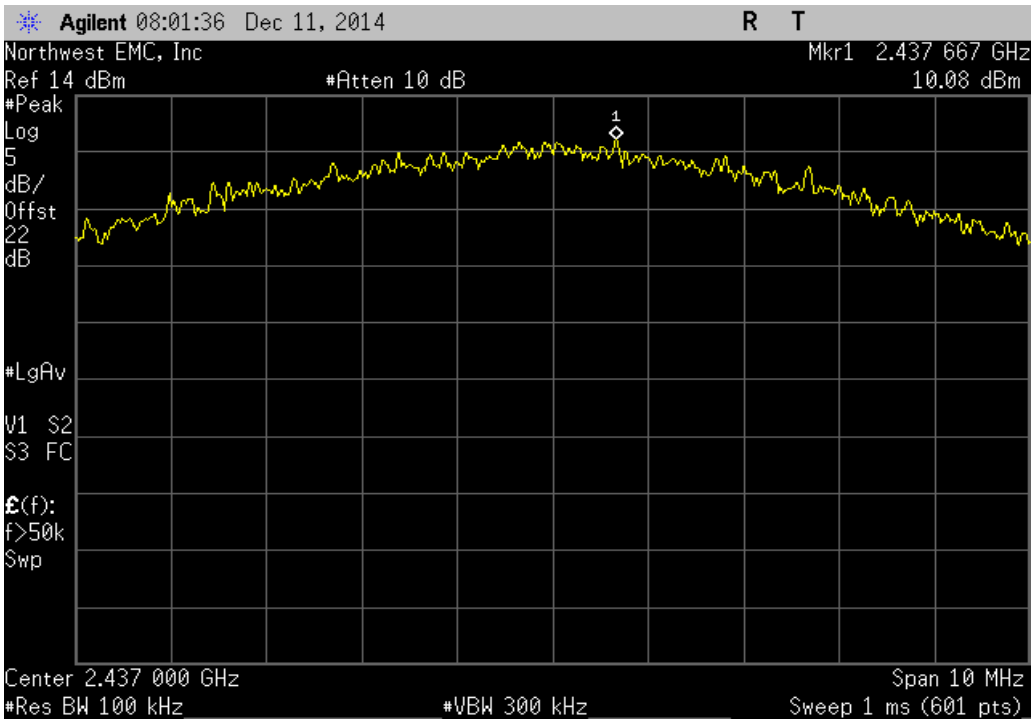
Antenna 0, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		10.004	-15.2	-5.196	8	Pass



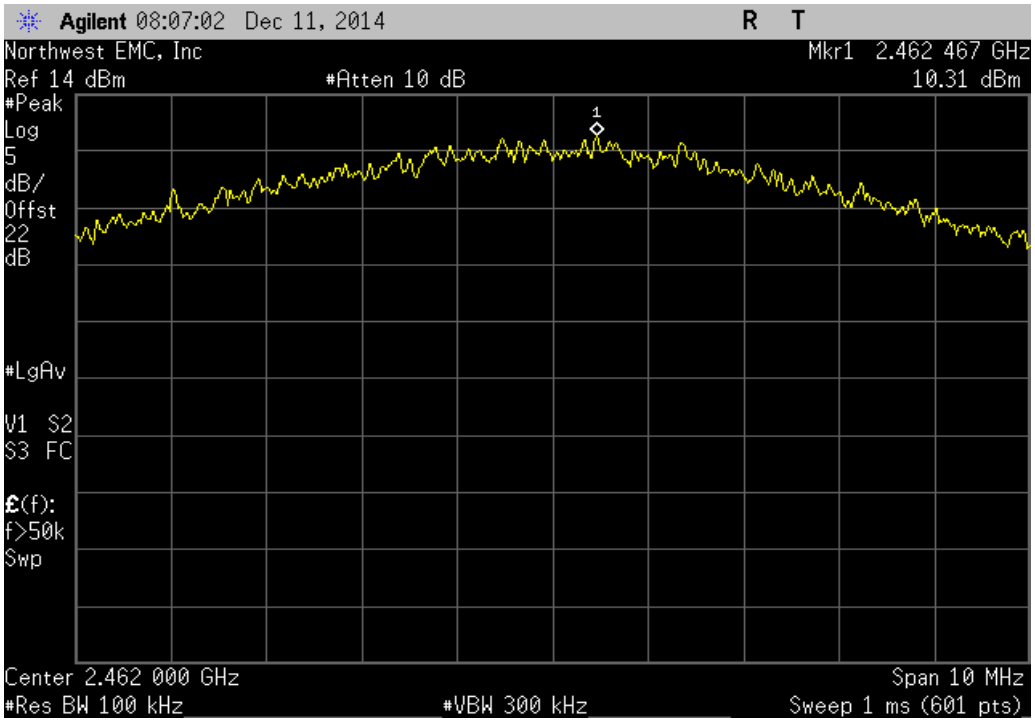
Antenna 0, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		10.135	-15.2	-5.065	8	Pass



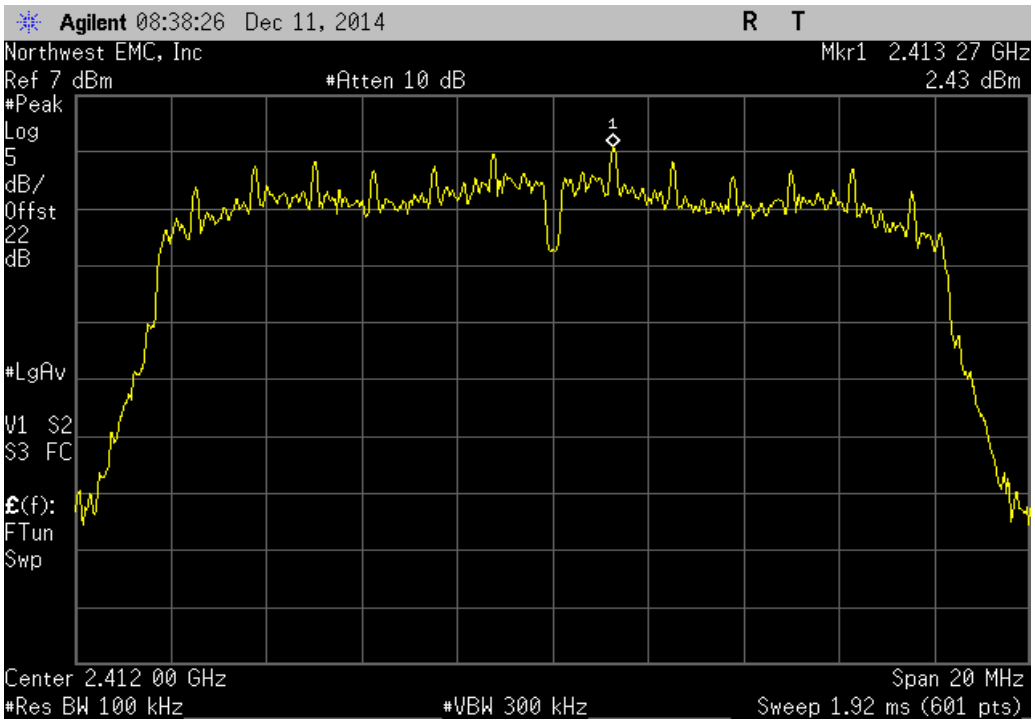
Antenna 0, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		10.076	-15.2	-5.124	8	Pass



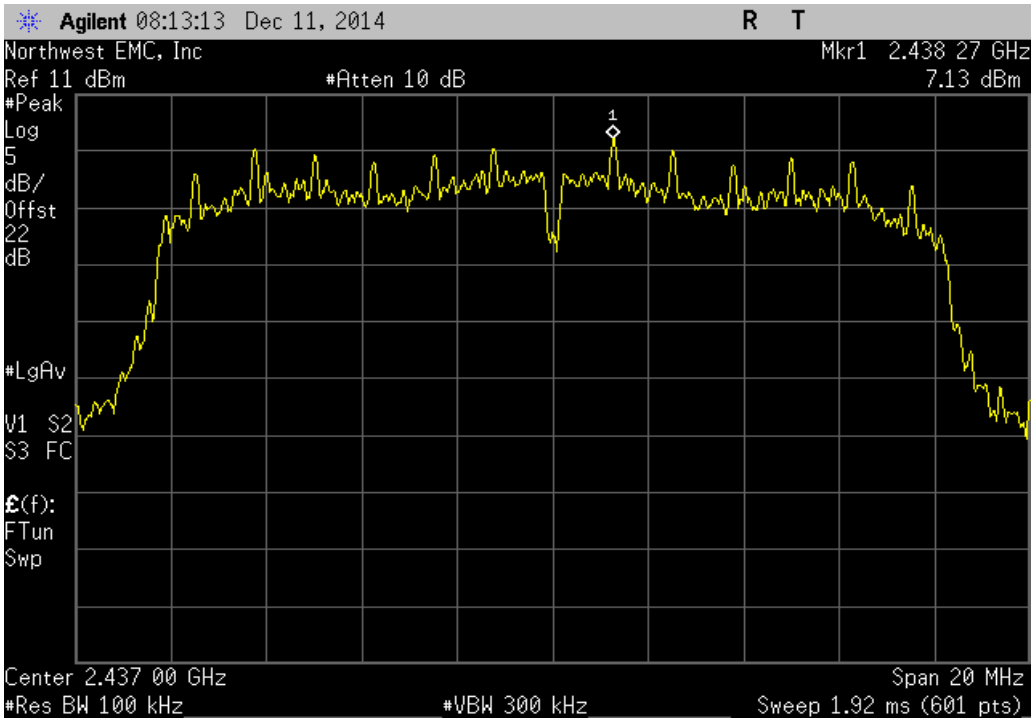
Antenna 0, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		10.31	-15.2	-4.89	8	Pass



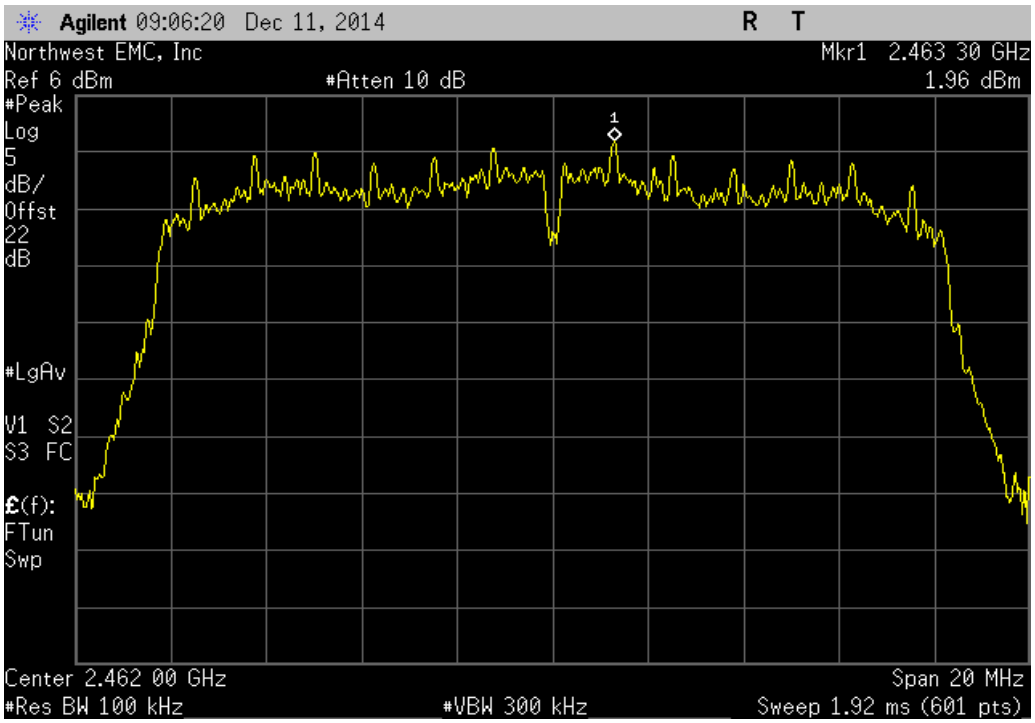
Antenna 0, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.426	-15.2	-12.774	8	Pass



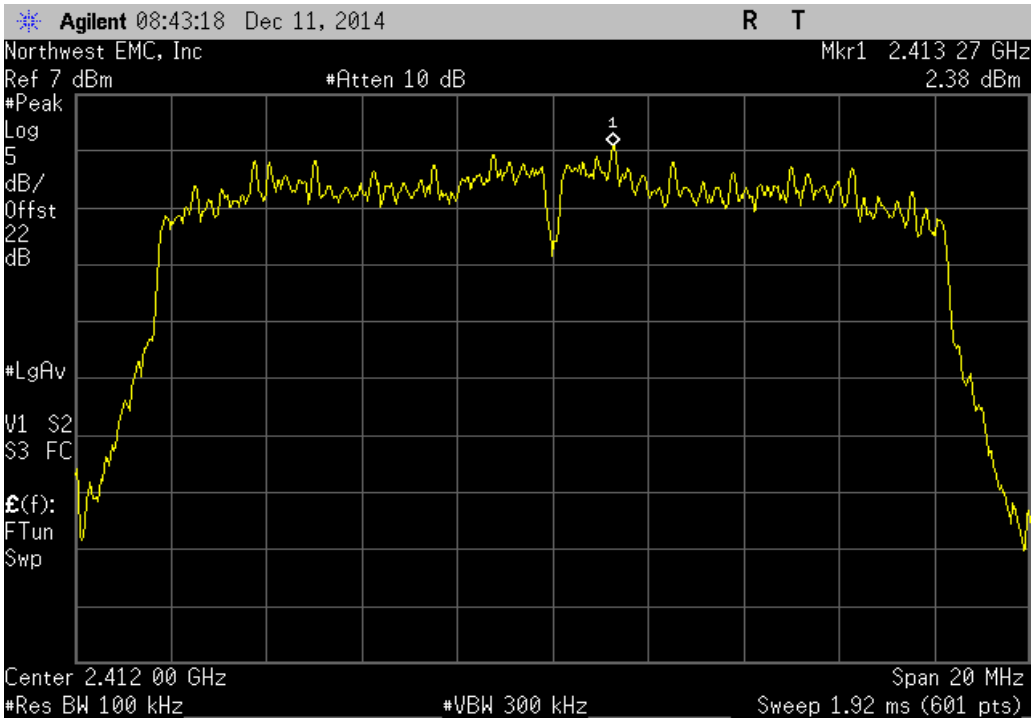
Antenna 0, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		7.126	-15.2	-8.074	8	Pass



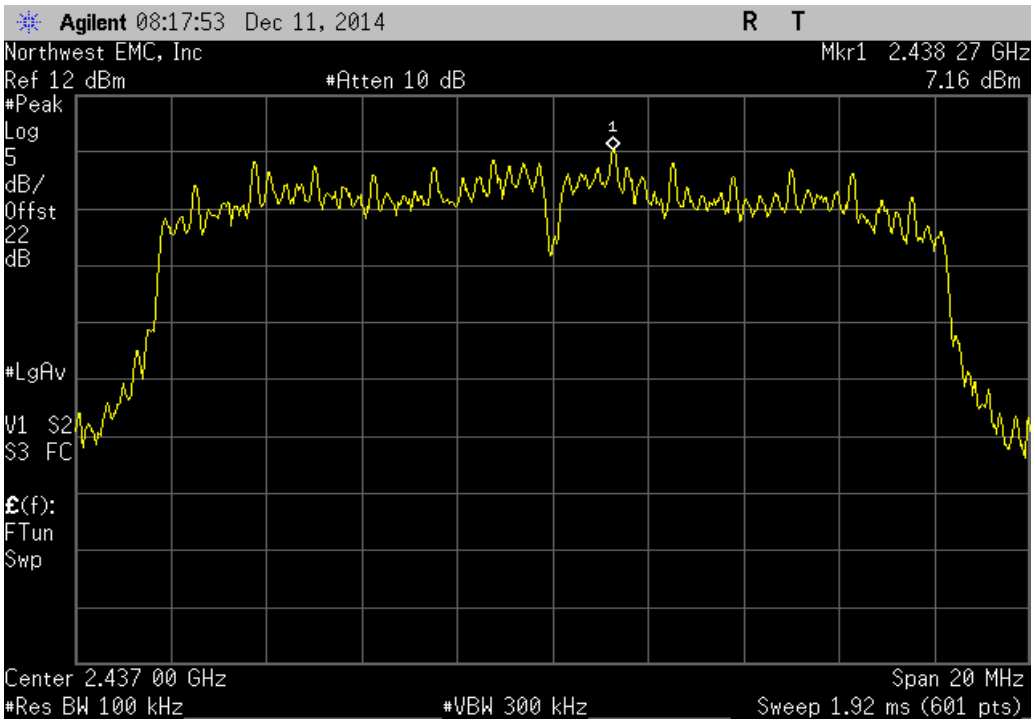
Antenna 0, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.961	-15.2	-13.239	8	Pass



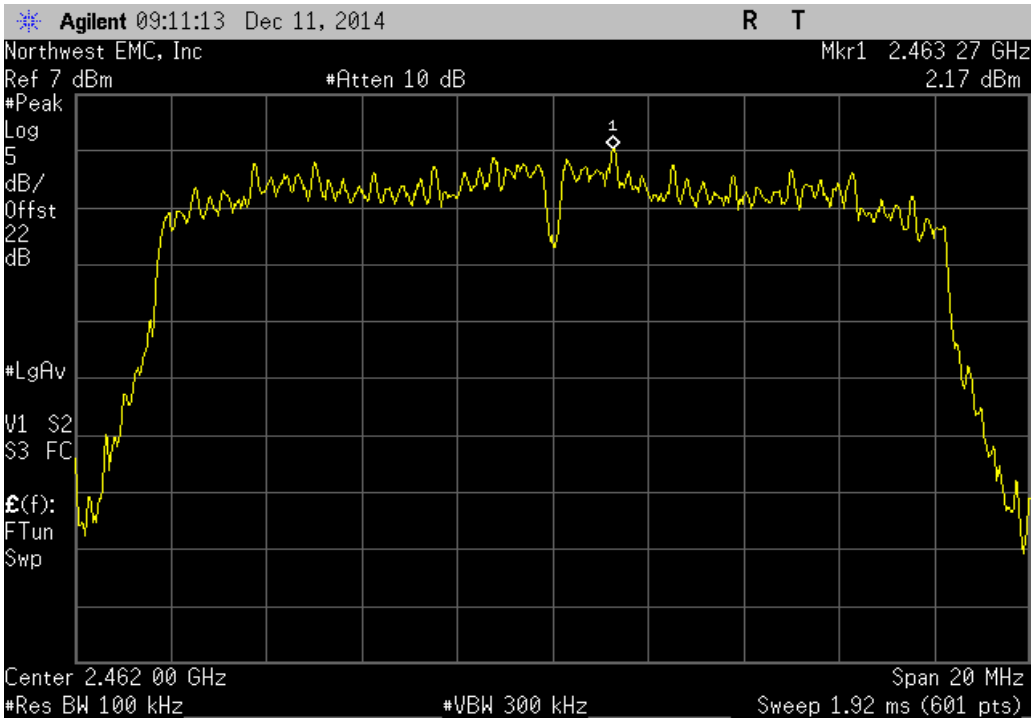
Antenna 0, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.385	-15.2	-12.815	8	Pass



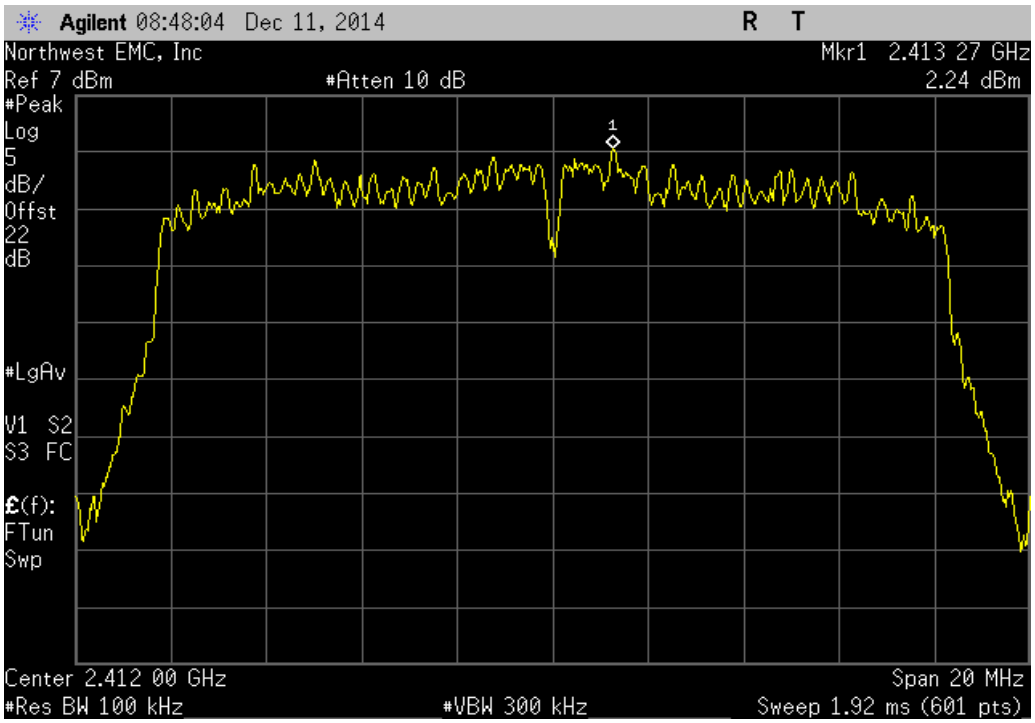
Antenna 0, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		7.158	-15.2	-8.042	8	Pass



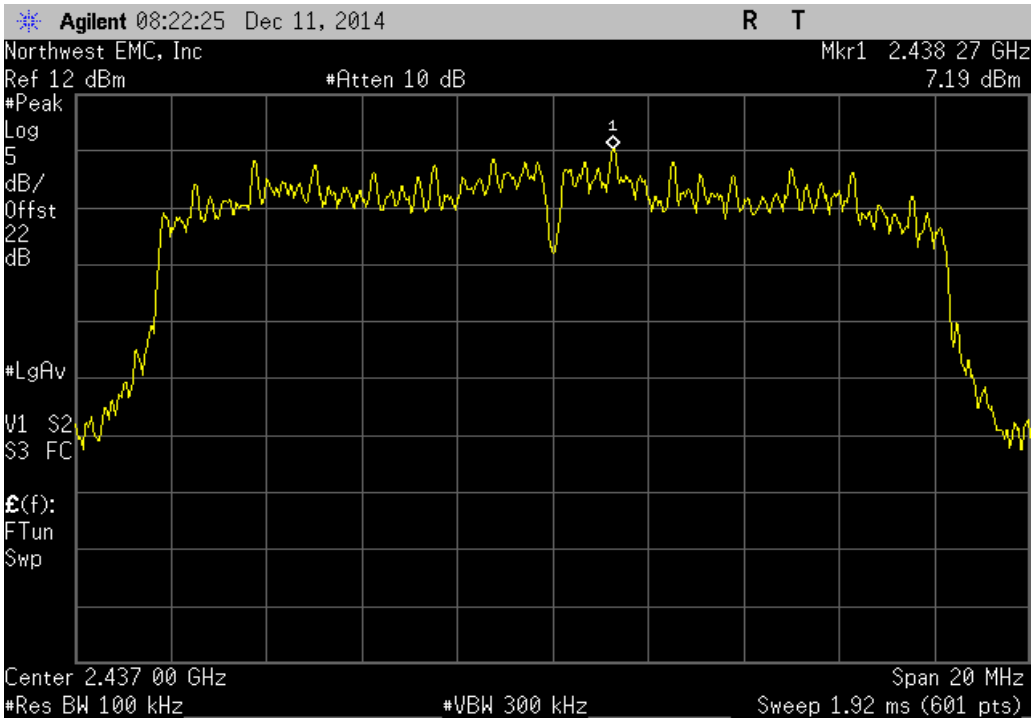
Antenna 0, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.166	-15.2	-13.034	8	Pass



Antenna 0, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.238	-15.2	-12.962	8	Pass

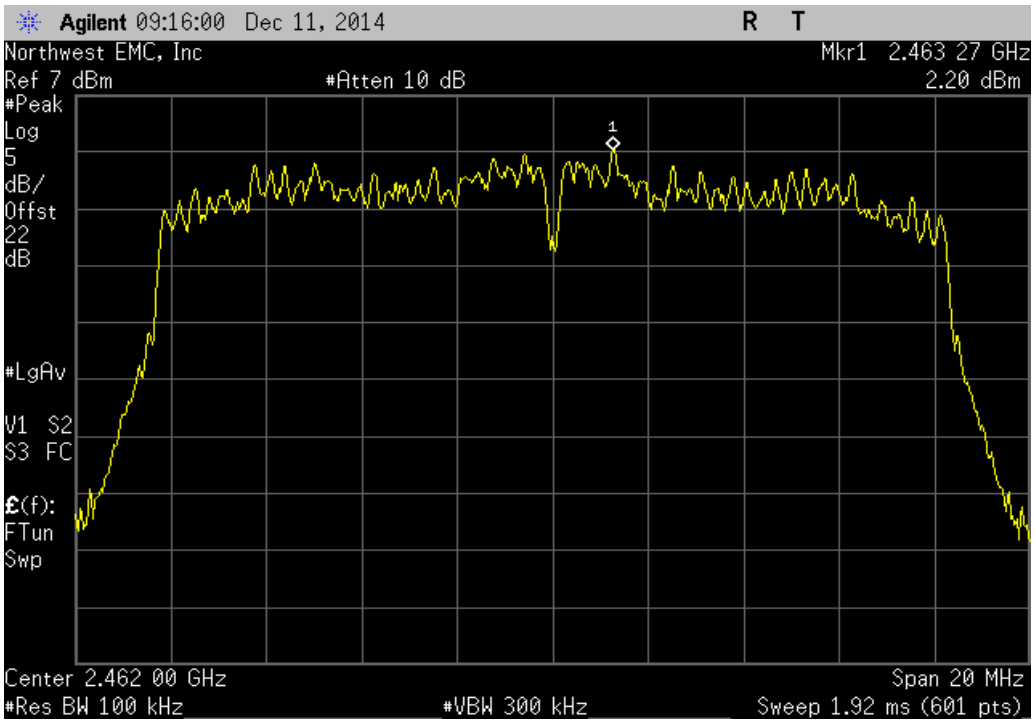


Antenna 0, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		7.194	-15.2	-8.006	8	Pass

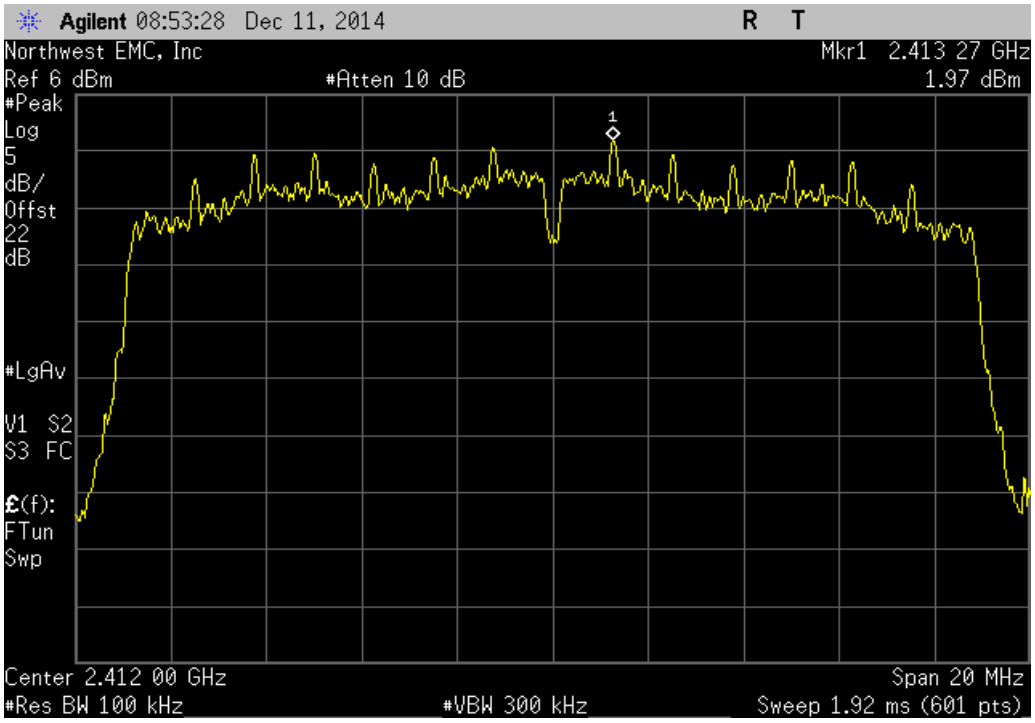


POWER SPECTRAL DENSITY

Antenna 0, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.201	-15.2	-12.999	8	Pass

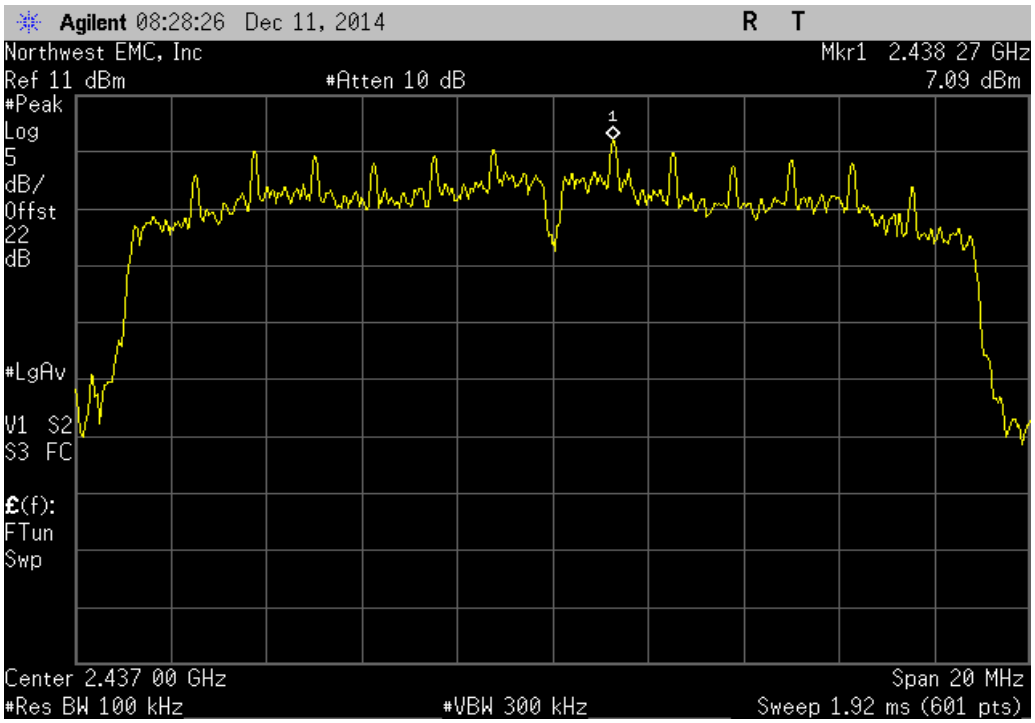


Antenna 0, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.972	-15.2	-13.228	8	Pass

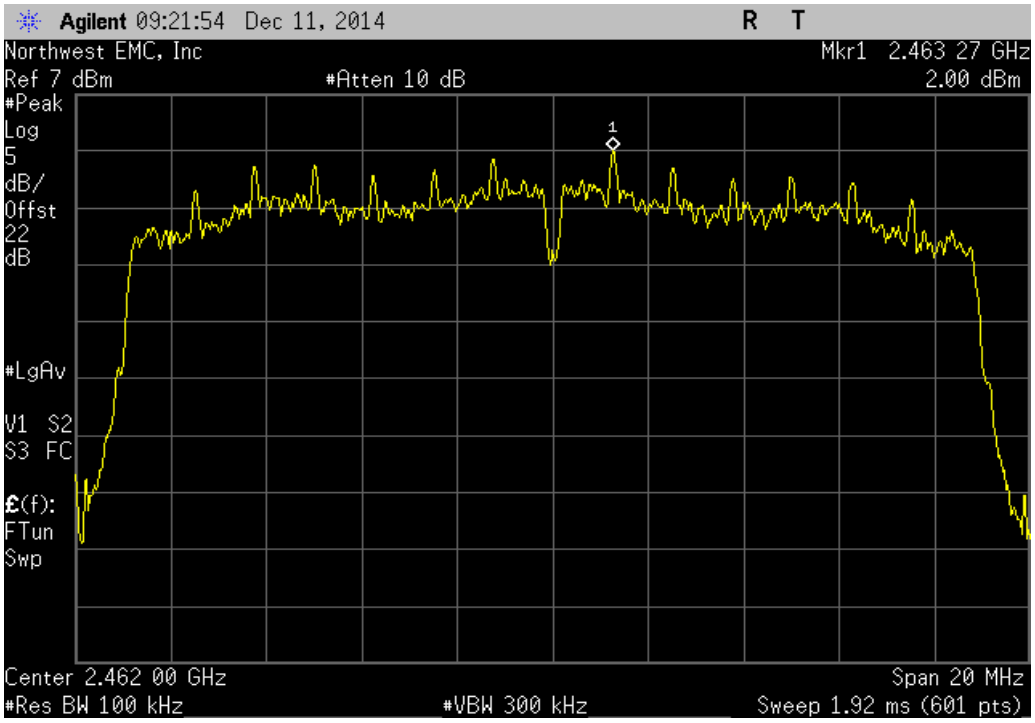


POWER SPECTRAL DENSITY

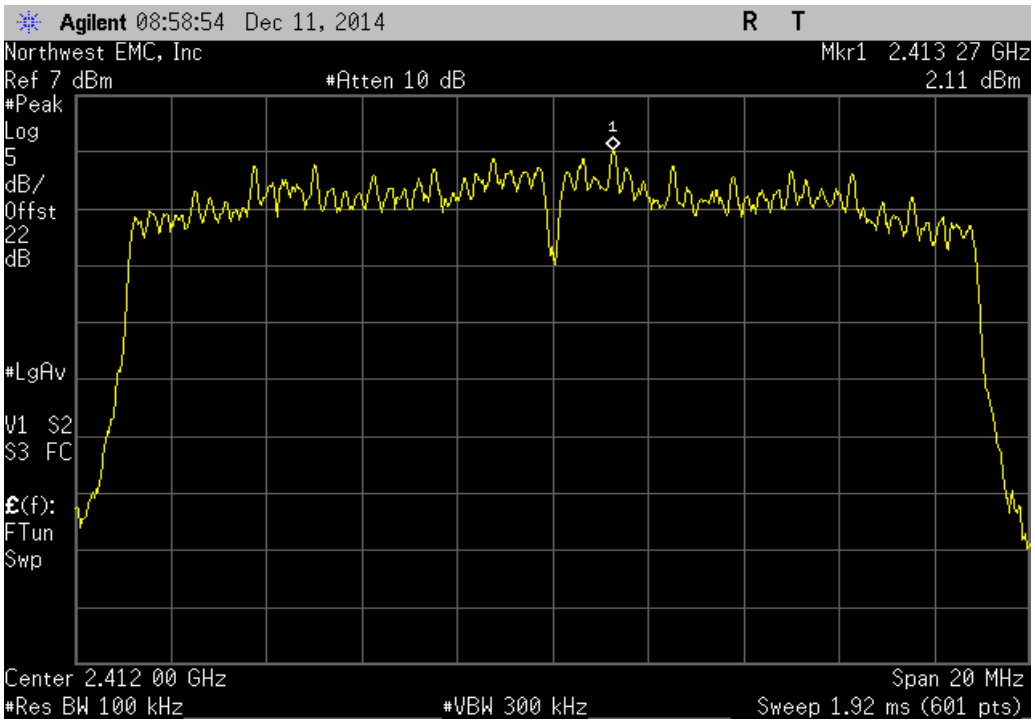
Antenna 0, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		7.091	-15.2	-8.109	8	Pass



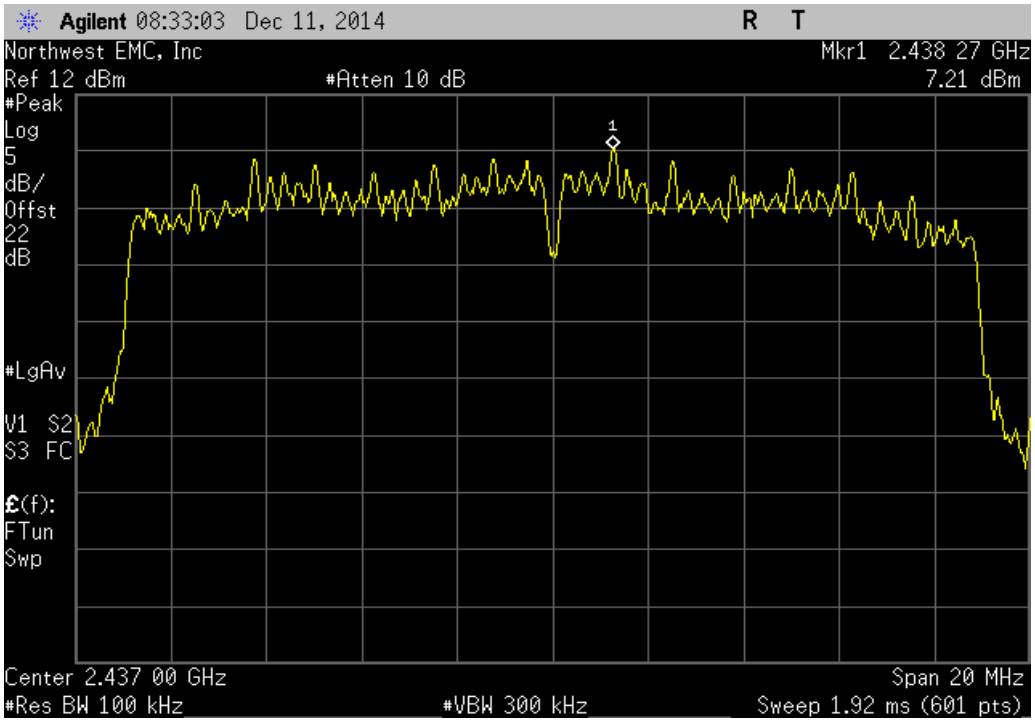
Antenna 0, 802.11(n) MCS0, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2	-15.2	-13.2	8	Pass



Antenna 0, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.106	-15.2	-13.094	8	Pass

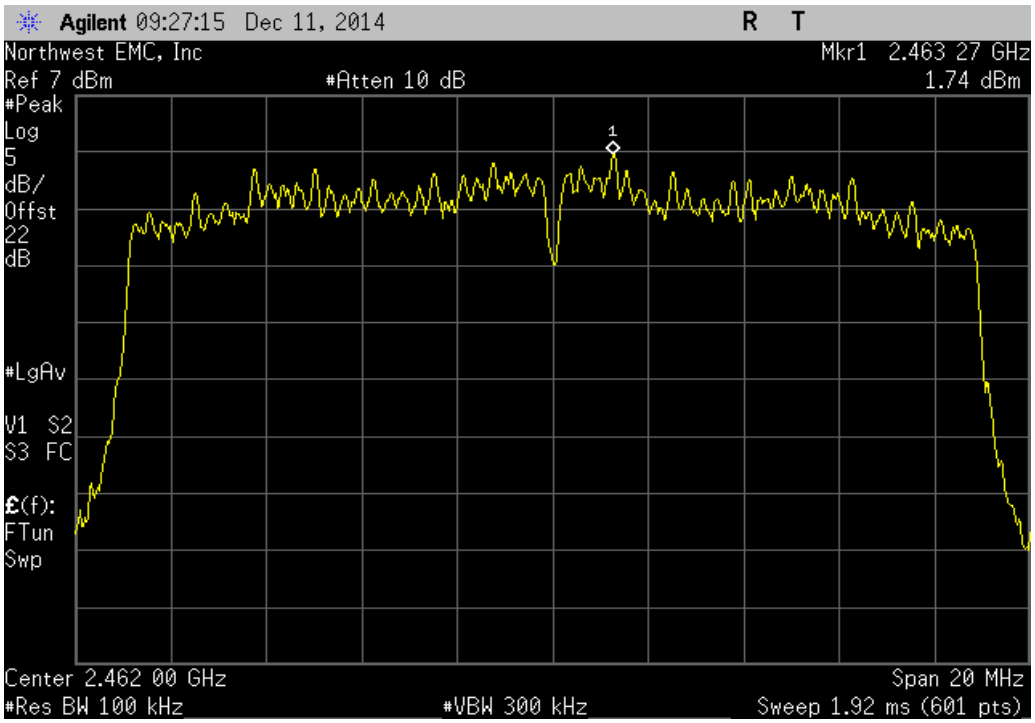


Antenna 0, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		7.206	-15.2	-7.994	8	Pass

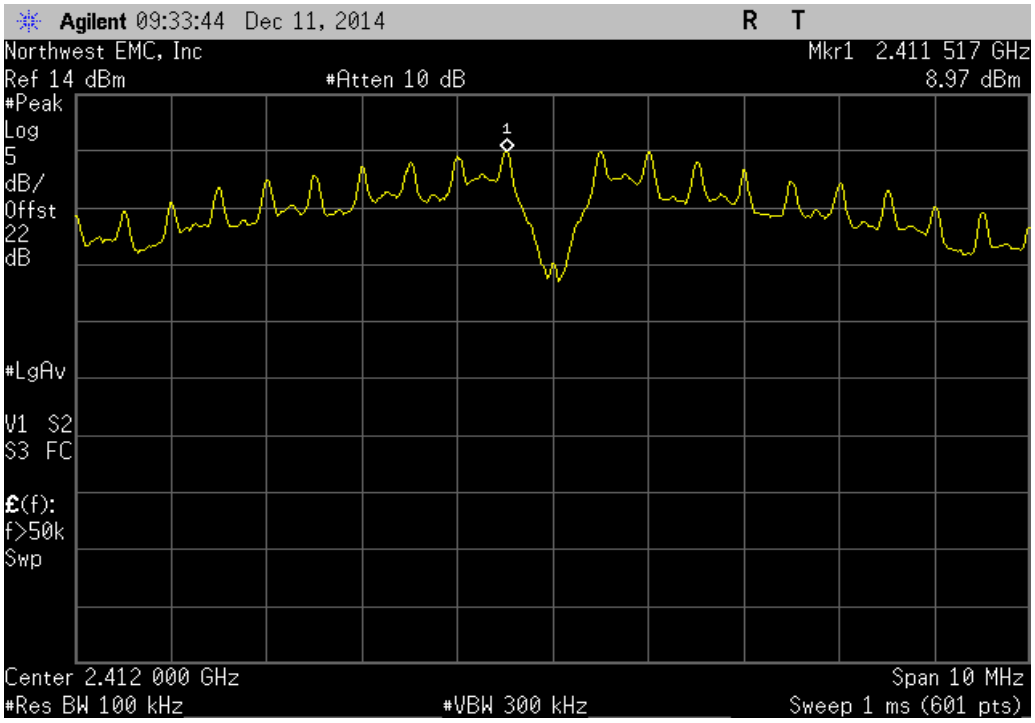


POWER SPECTRAL DENSITY

Antenna 0, 802.11(n) MCS7, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.743	-15.2	-13.457	8	Pass

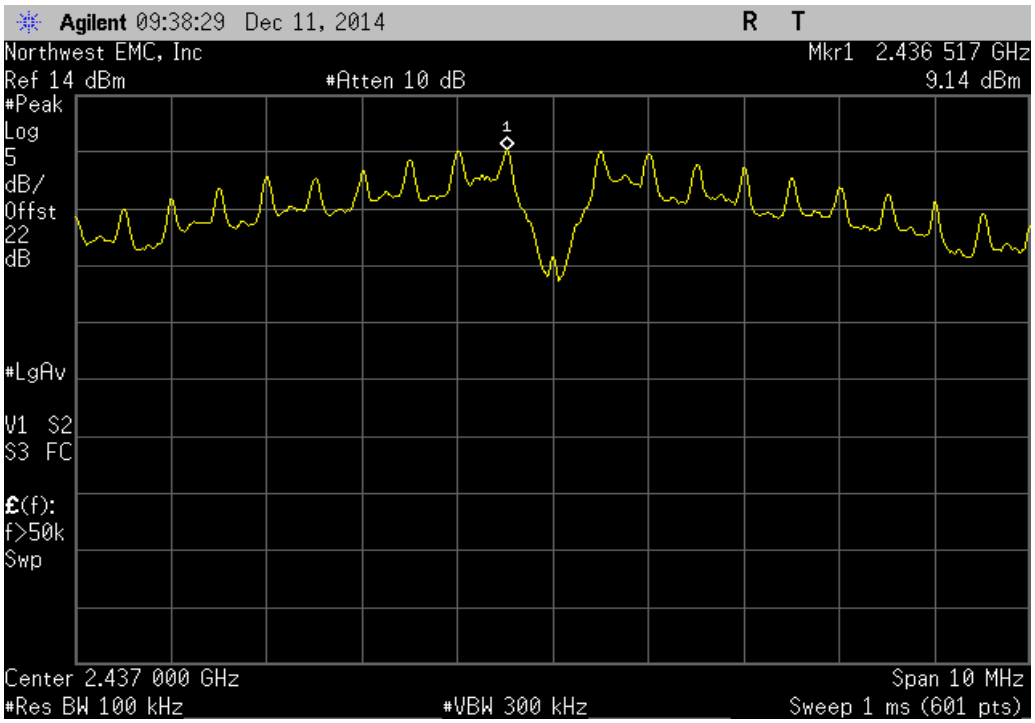


Antenna 1, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		8.968	-15.2	-6.232	8	Pass

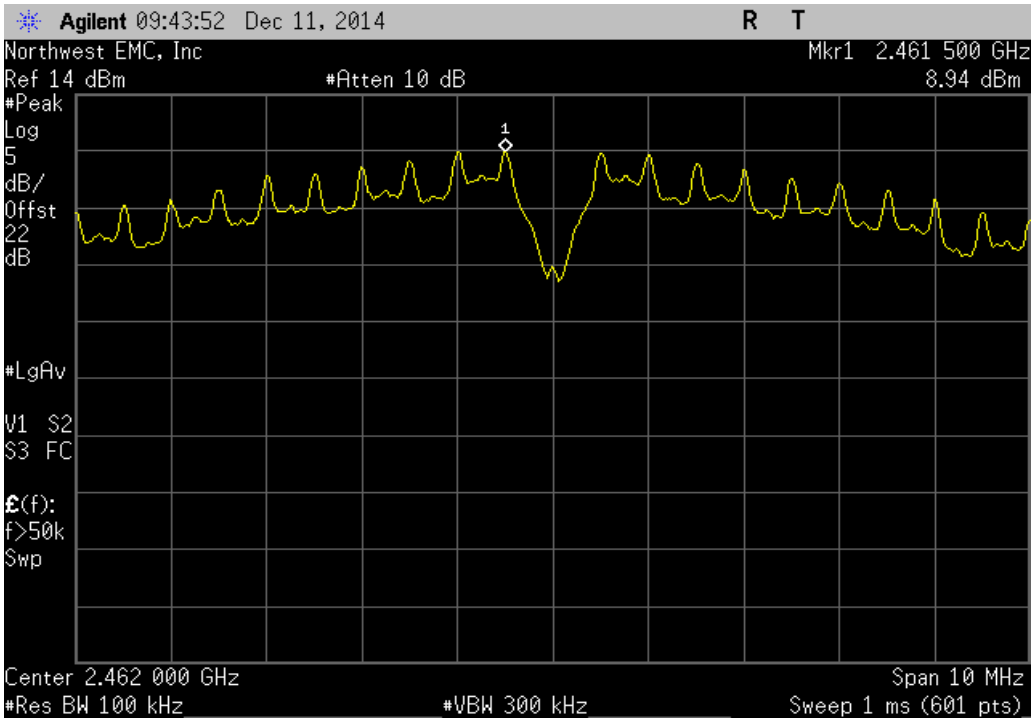


POWER SPECTRAL DENSITY

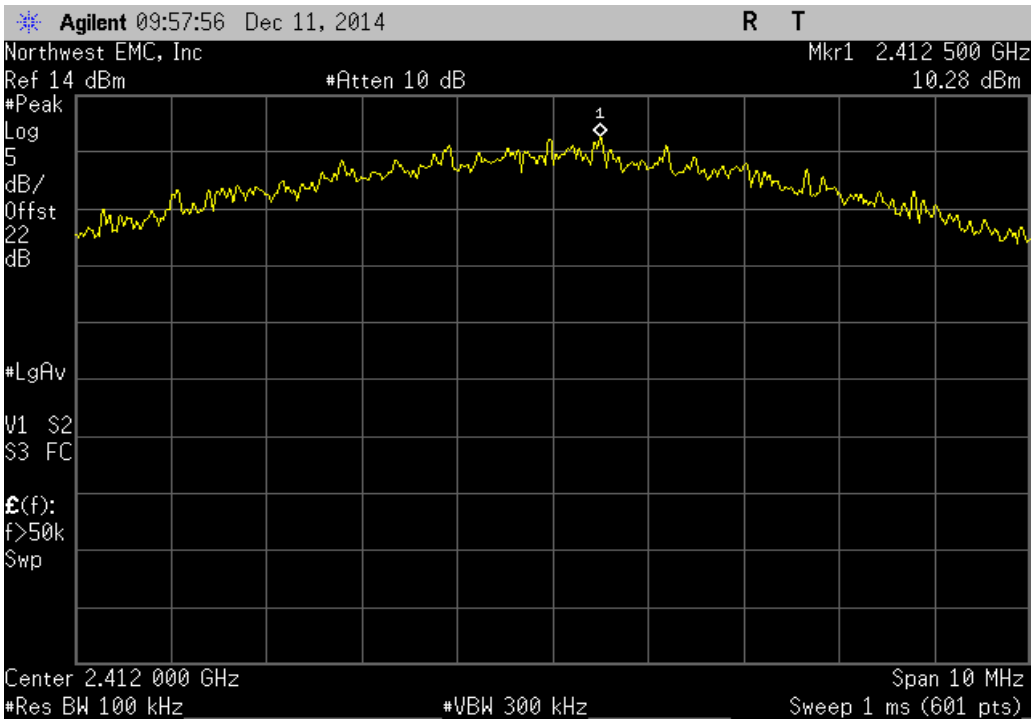
Antenna 1, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		9.142	-15.2	-6.058	8	Pass



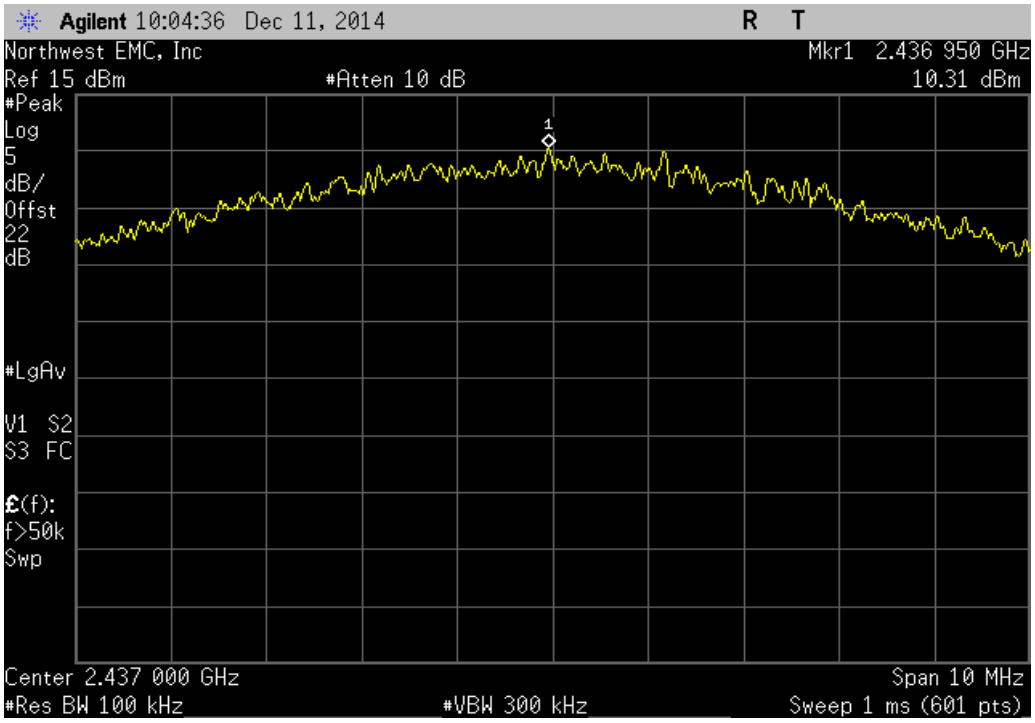
Antenna 1, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		8.938	-15.2	-6.262	8	Pass



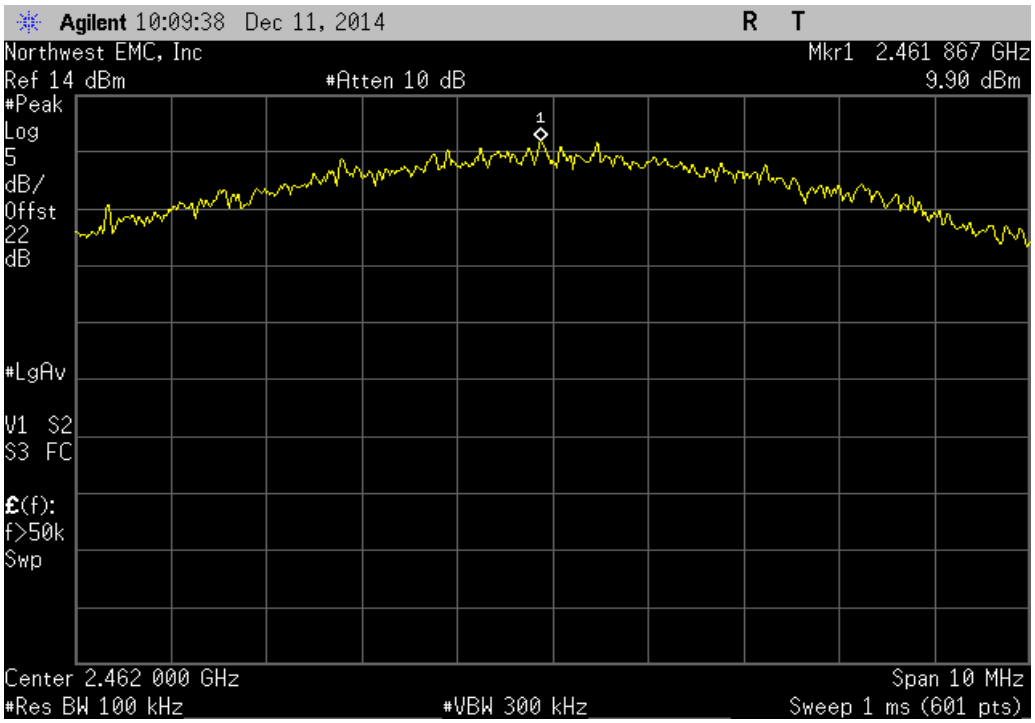
Antenna 1, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		10.284	-15.2	-4.916	8	Pass



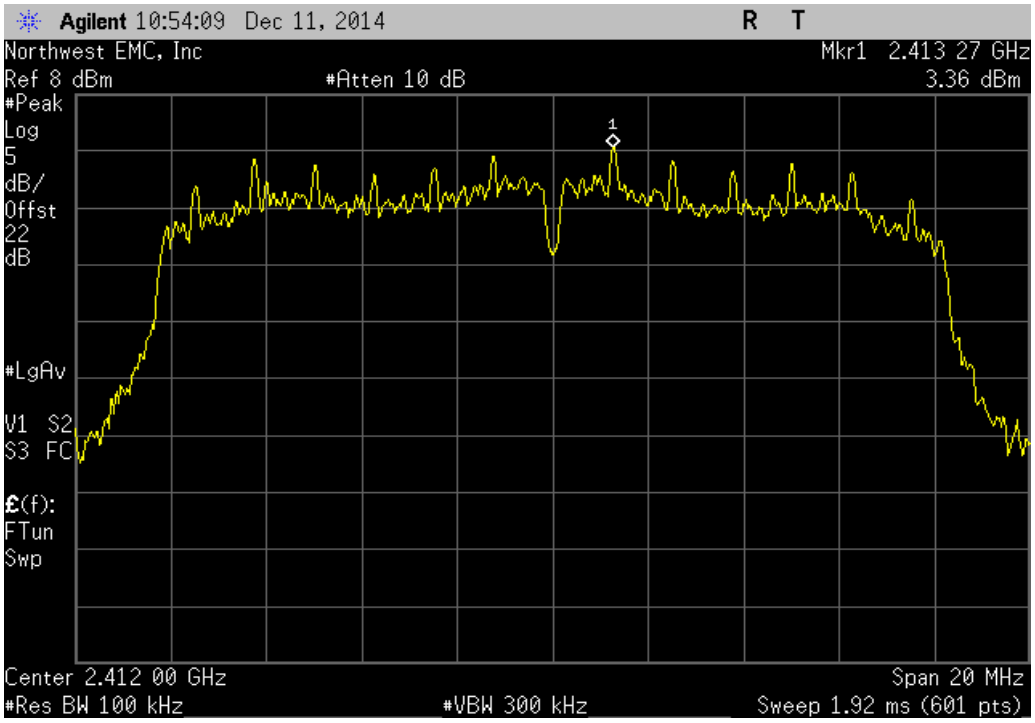
Antenna 1, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		10.31	-15.2	-4.89	8	Pass



Antenna 1, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		9.902	-15.2	-5.298	8	Pass

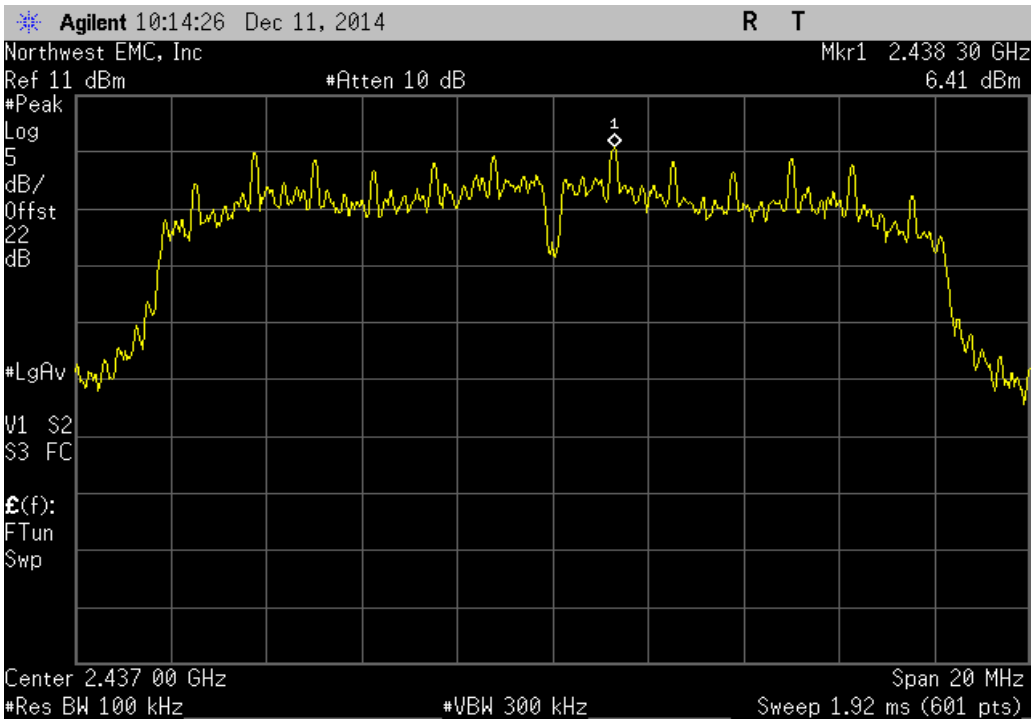


Antenna 1, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		3.364	-15.2	-11.836	8	Pass

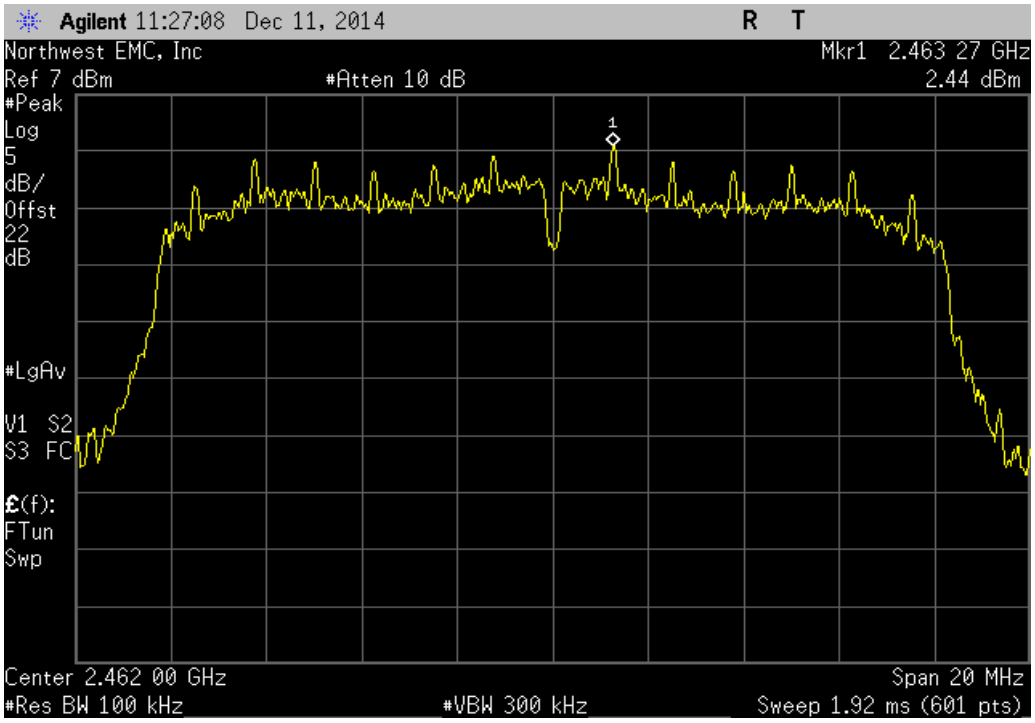


POWER SPECTRAL DENSITY

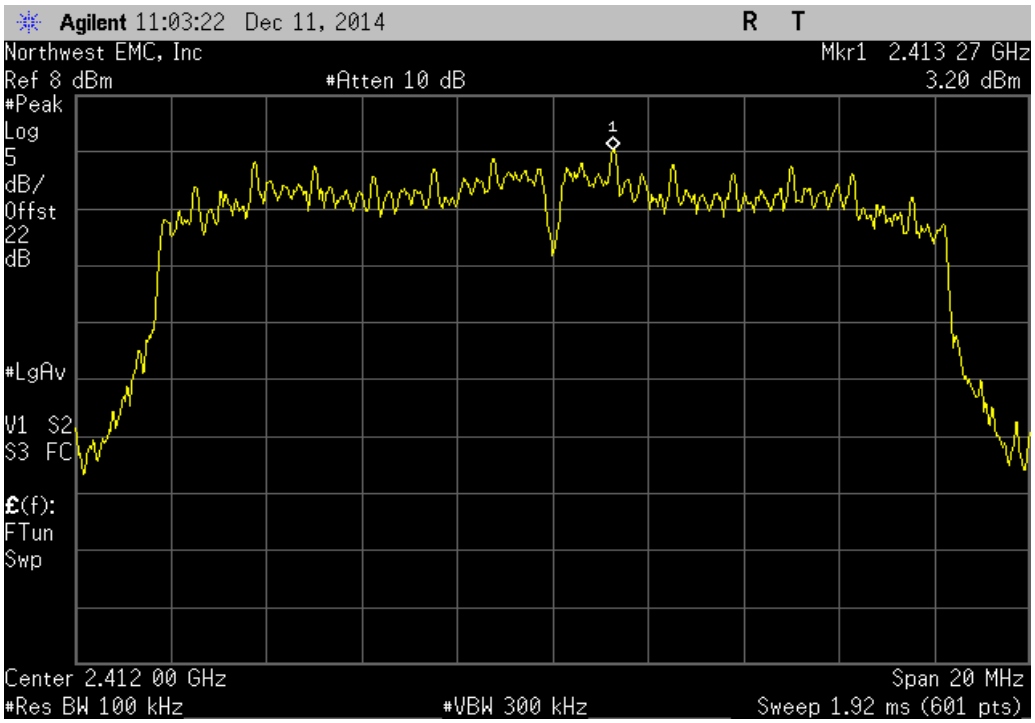
Antenna 1, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		6.414	-15.2	-8.786	8	Pass



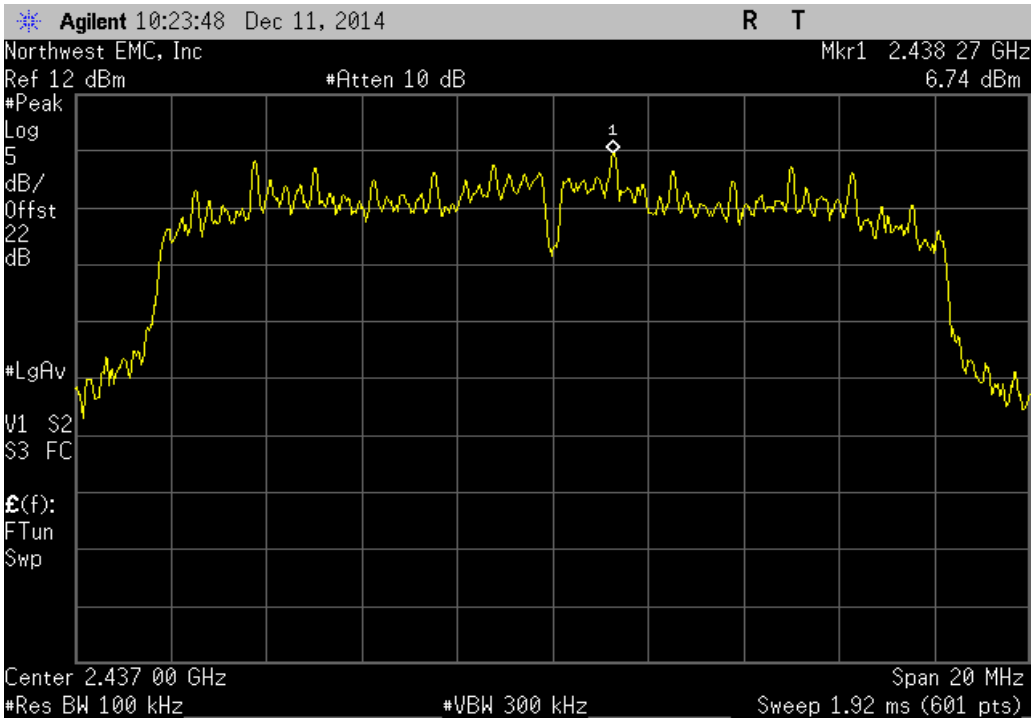
Antenna 1, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.437	-15.2	-12.763	8	Pass



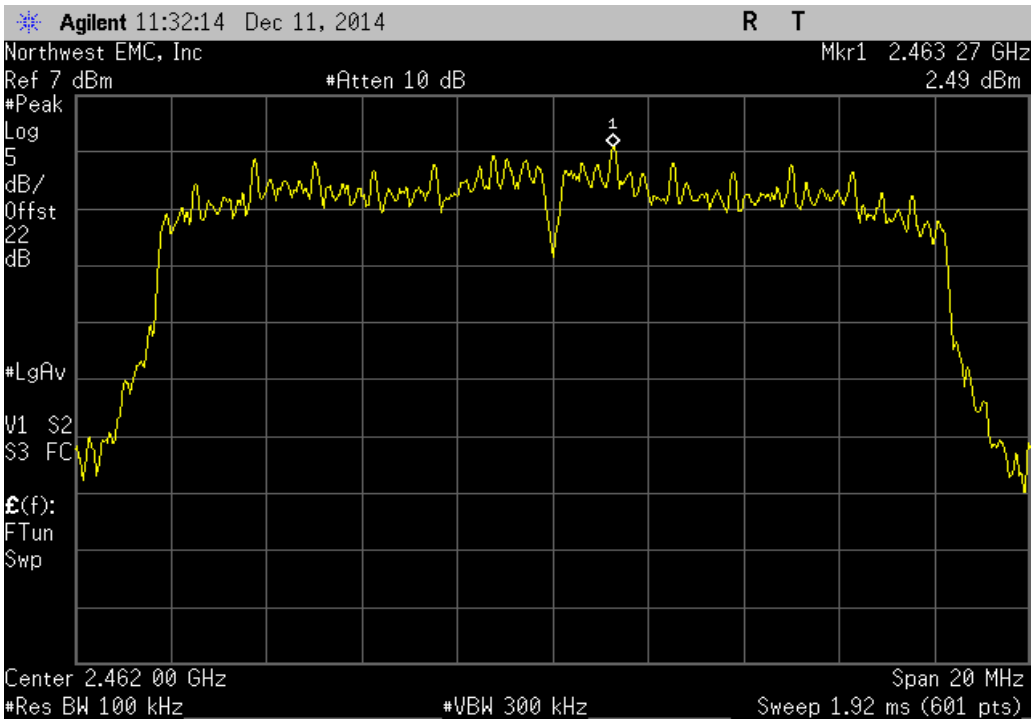
Antenna 1, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		3.198	-15.2	-12.002	8	Pass



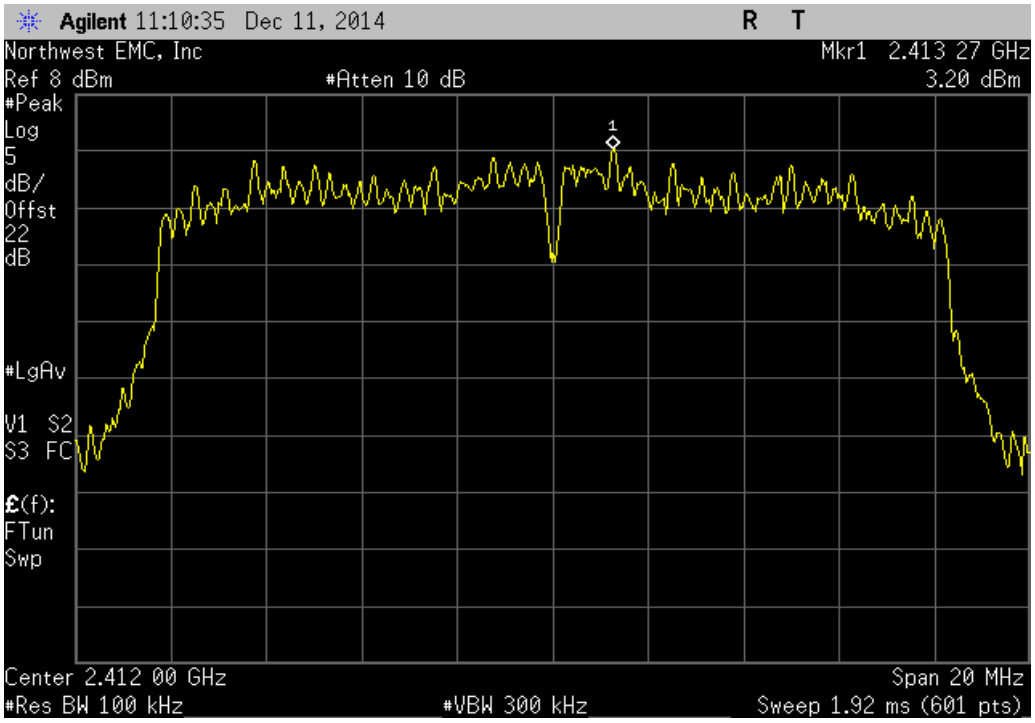
Antenna 1, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		6.744	-15.2	-8.456	8	Pass



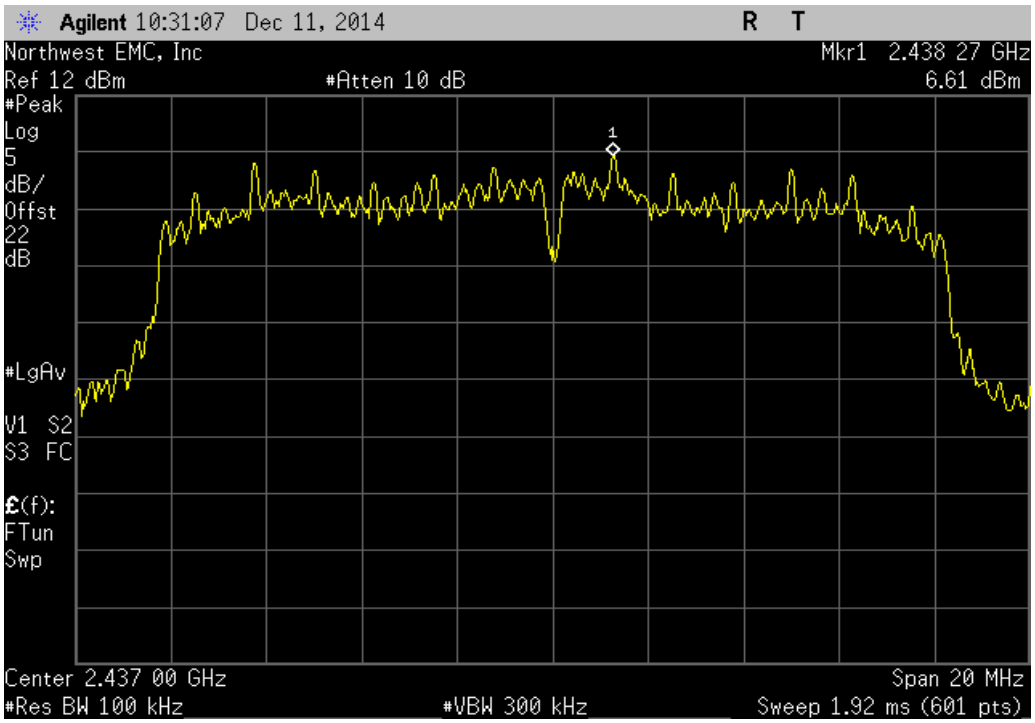
Antenna 1, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.494	-15.2	-12.706	8	Pass



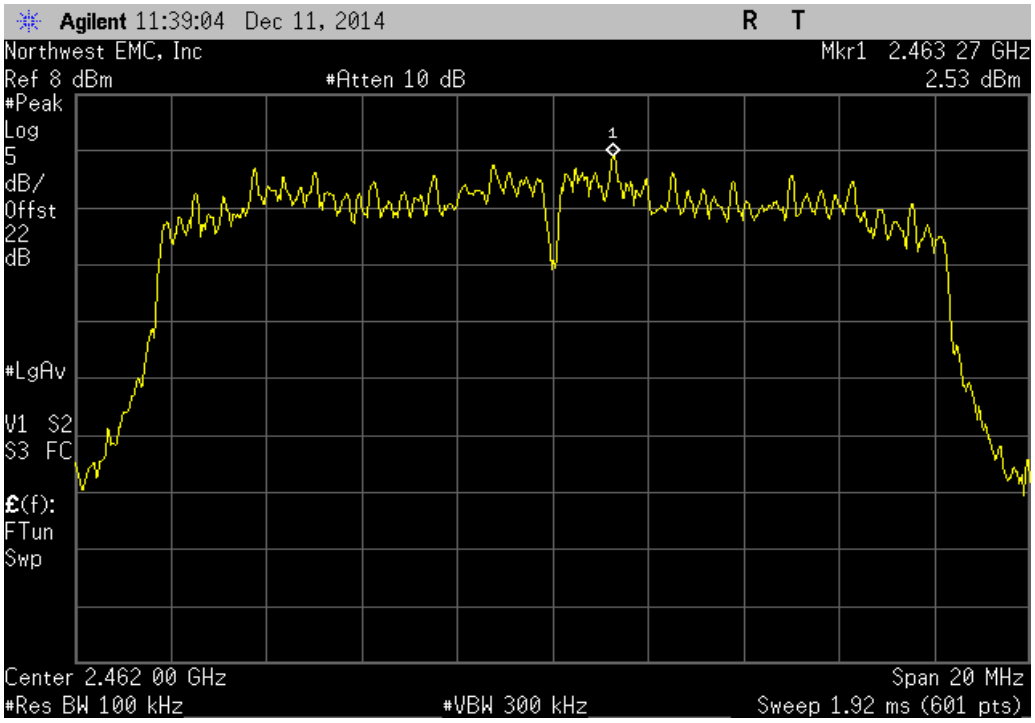
Antenna 1, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		3.196	-15.2	-12.004	8	Pass



Antenna 1, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		6.605	-15.2	-8.595	8	Pass

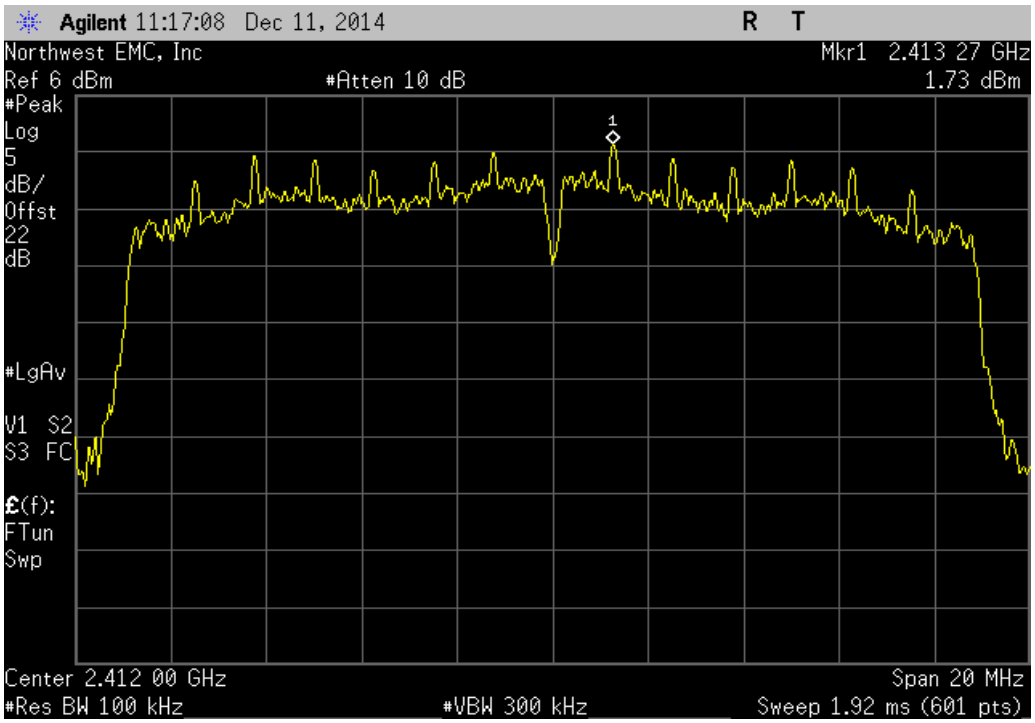


Antenna 1, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		2.527	-15.2	-12.673	8	Pass

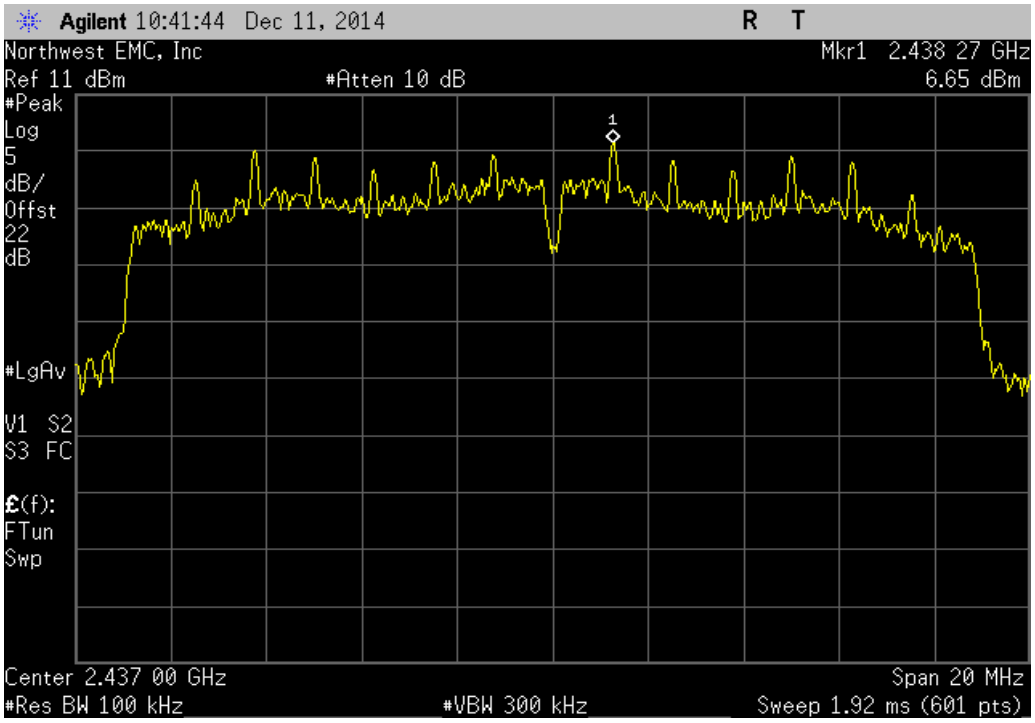


POWER SPECTRAL DENSITY

Antenna 1, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.729	-15.2	-13.471	8	Pass

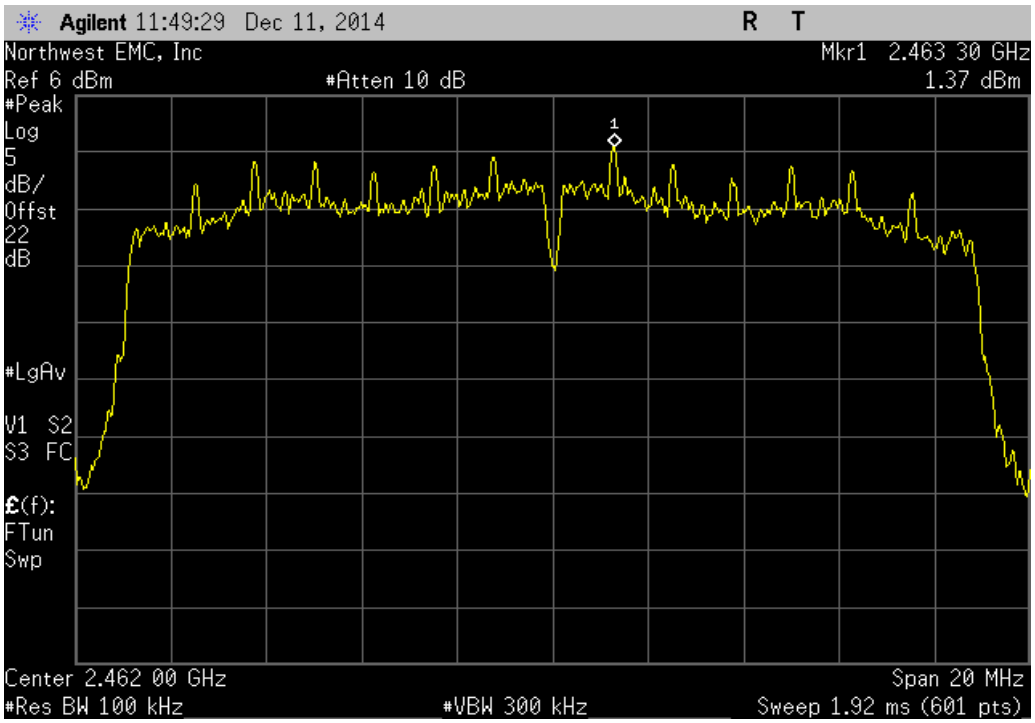


Antenna 1, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		6.652	-15.2	-8.548	8	Pass

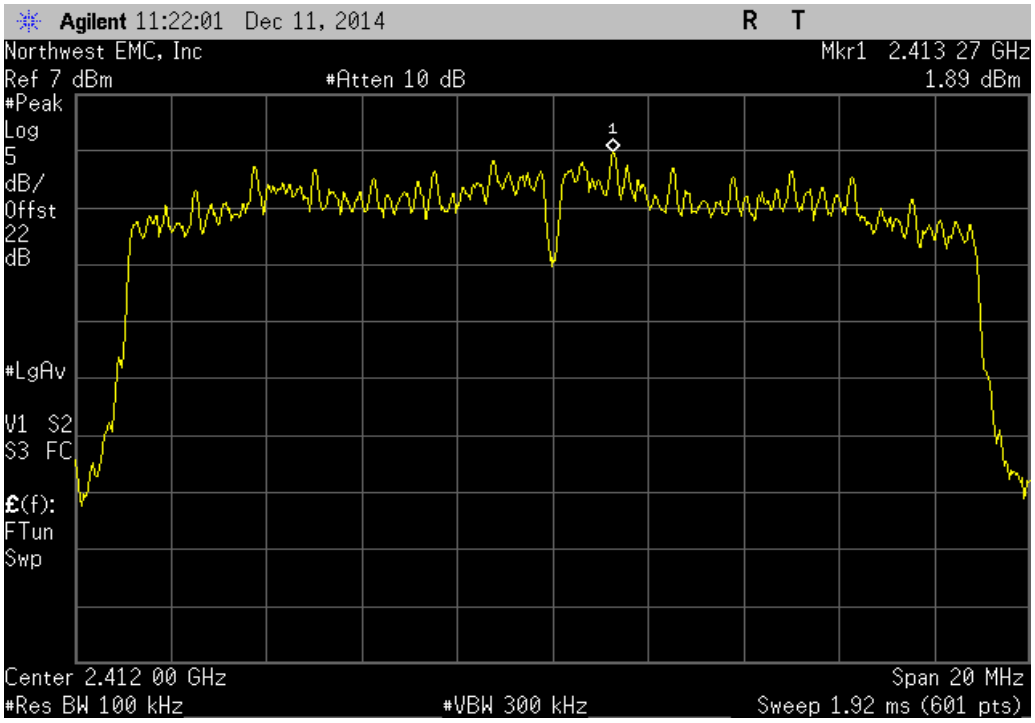


POWER SPECTRAL DENSITY

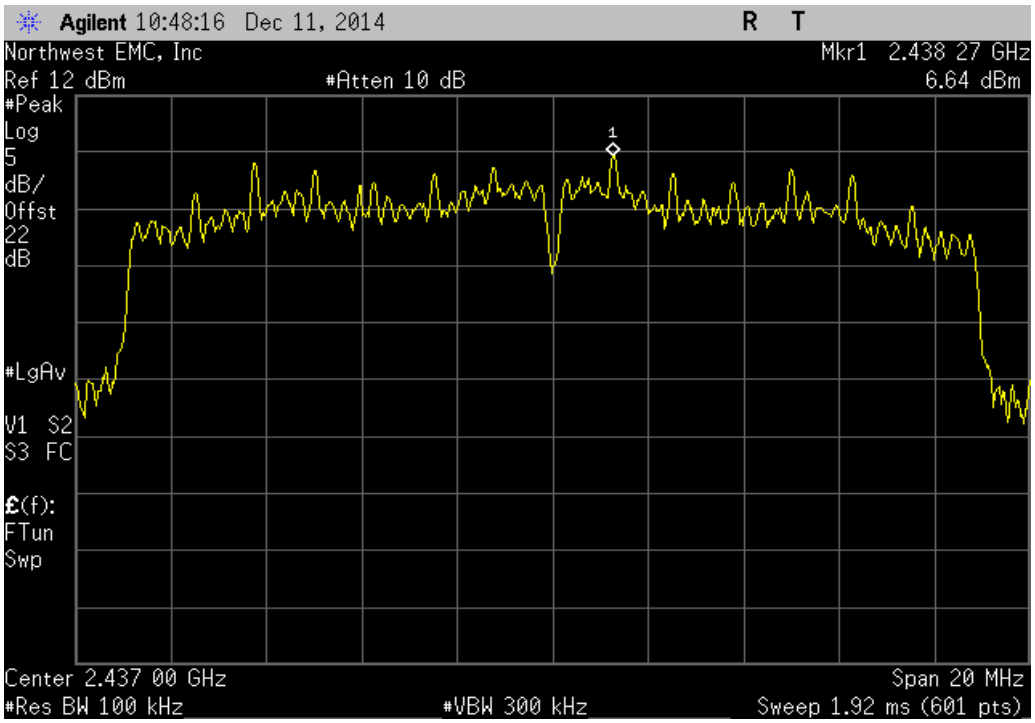
Antenna 1, 802.11(n) MCS0, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.371	-15.2	-13.829	8	Pass



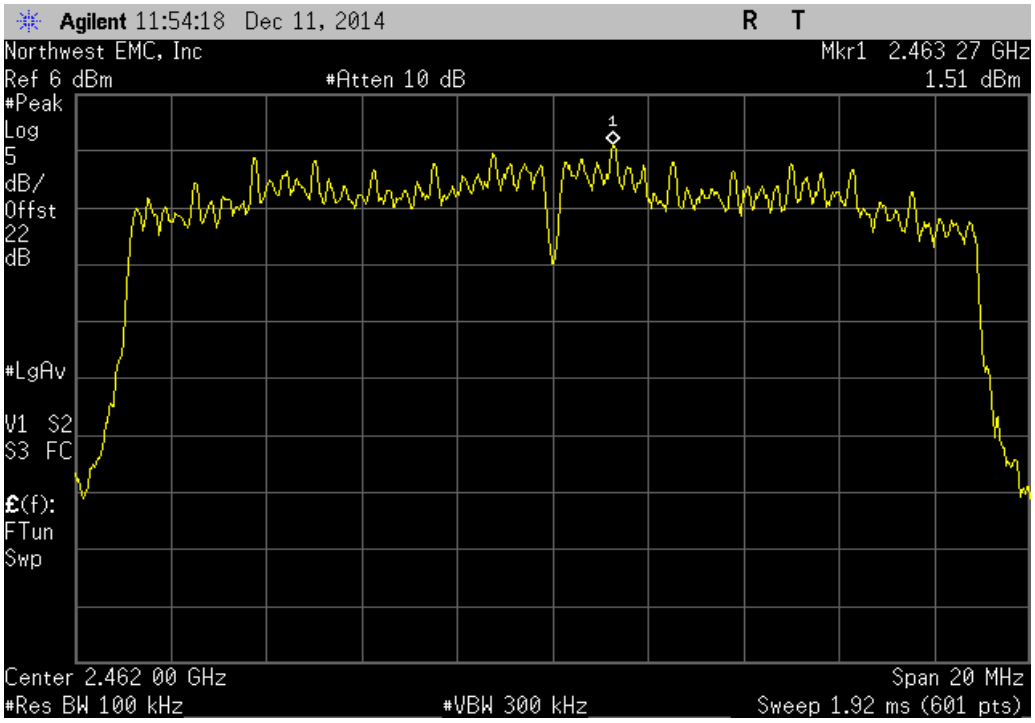
Antenna 1, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.89	-15.2	-13.31	8	Pass



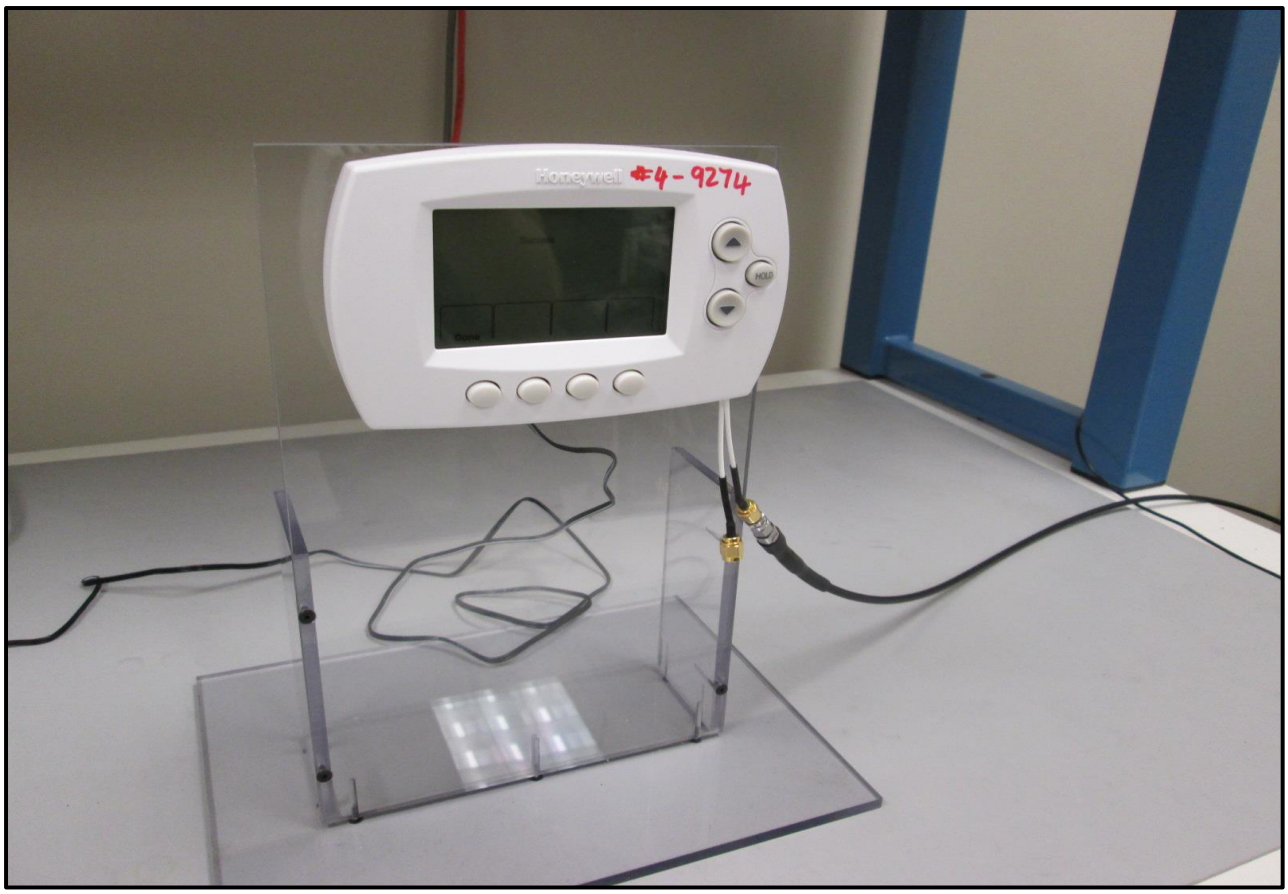
Antenna 1, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		6.635	-15.2	-8.565	8	Pass

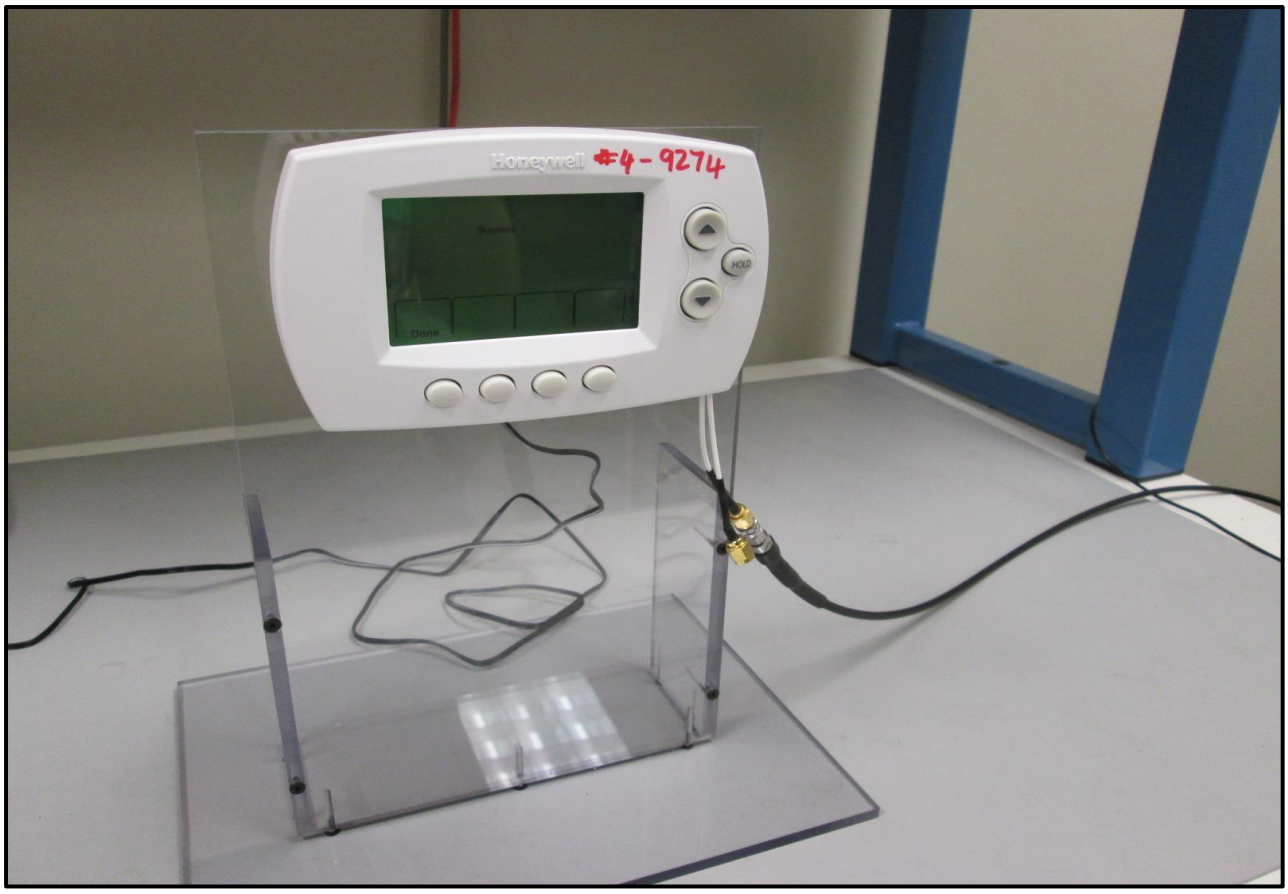


Antenna 1, 802.11(n) MCS7, High Channel 11, 2462 MHz						
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Value dBm/3kHz	Limit dBm/3kHz	Results
		1.509	-15.2	-13.691	8	Pass



POWER SPECTRAL DENSITY





SPURIOUS RADIATED EMISSIONS

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

Transmitting 802.11 - low, mid, and high channels (2412, 2437, and 2462 MHz); 1 Mbps, 6 Mbps, 11 Mbps, 36 Mbps, 54 Mbps, MCSO, and MCS7; Antenna 1. (See comments)

Transmitting 802.11 - low, mid, and high channels (2412, 2437, and 2462 MHz); 1 Mbps, 6 Mbps, 11 Mbps, 36 Mbps, 54 Mbps, MCSO, and MCS7; Antenna 0. (See comments)

POWER SETTINGS INVESTIGATED

110VAC/60Hz

CONFIGURATIONS INVESTIGATED

HNYW0120 - 1

FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	26000 MHz

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Low Pass Filter	Micro-Tronics	LPM50004	HGK	5/15/2014	12 mo
High Pass Filter	Micro-Tronics	HPM50111	HGQ	5/15/2014	12 mo
Attenuator, 20 dB, 'SMA'	SM Electronics	SA6-20	REO	5/15/2014	12 mo
Pre-Amplifier	Miteq	JSD4-18002600-26-8P	APU	10/3/2014	12 mo
MN05 Cable	N/A	18-26GHz Standard Gain Horn Cable	MNP	10/3/2014	12 mo
Antenna, Horn	ETS	3160-09	AHG	NCR	0 mo
Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AVW	3/14/2014	12 mo
Antenna, Horn	ETS Lindgren	3160-08	AIQ	NCR	0 mo
MN05 Cables	ESM Cable Corp.	Standard Gain Horn Cables	MNJ	3/14/2014	12 mo
Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVV	3/14/2014	12 mo
Antenna, Horn	ETS	3160-07	AXP	NCR	0 mo
Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	AVX	3/14/2014	12 mo
MN05 Cables	ESM Cable Corp.	Double Ridge Guide Horn Cables	MNI	3/14/2014	12 mo
Antenna, Horn	ETS	3115	AJA	6/3/2014	24 mo
Pre-Amplifier	Miteq	AM-1616-1000	PAD	3/14/2014	12 mo
MN05 Cables	ESM Cable Corp.	Bilog Cables	MNH	3/14/2014	12 mo
Antenna, Biconilog	Teseq	CBL 6141B	AYD	12/17/2013	24 mo
Spectrum Analyzer	Agilent	N9010A	AFI	1/27/2013	24 mo

MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

TEST DESCRIPTION

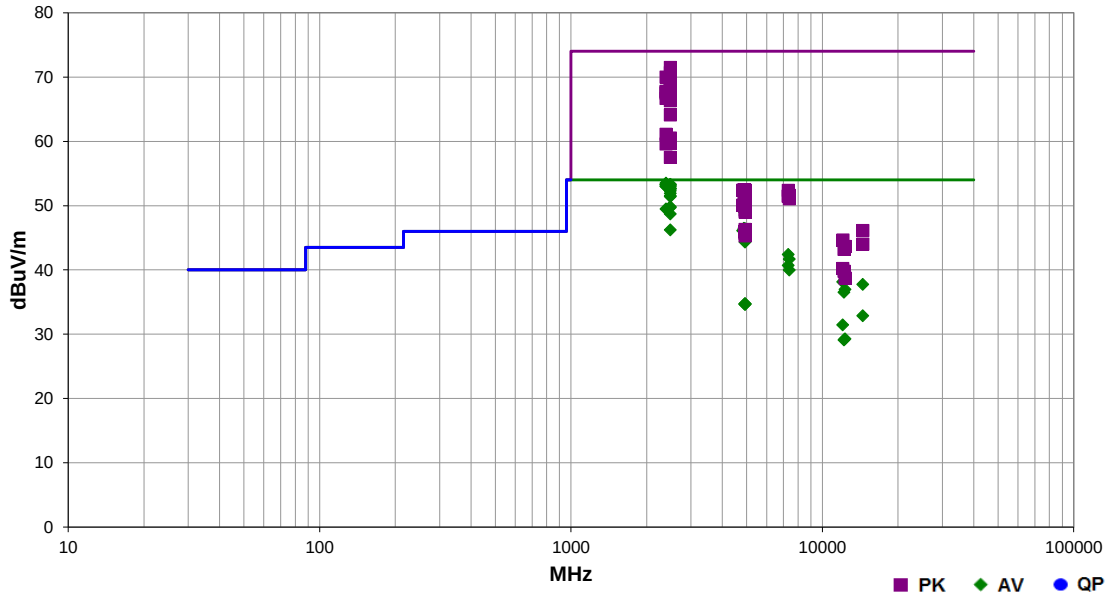
The highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured for low, mid, and high band transmit frequencies. For each configuration, the spectrum was scanned throughout the specified range. In addition, measurements were made in the restricted bands to verify compliance. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization. A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

SPURIOUS RADIATED EMISSIONS

Work Order:	HNYW0120	**Date:**	12/09/14		
Project:	None	**Temperature:**	23 °C		
Job Site:	MN05	**Humidity:**	17% RH		
Serial Number:	50072214-002	**Barometric Pres.:**	1034.5 mbar	**Tested by:**	Dustin Sparks
EUT:	TH6320WF02				
Configuration:	1				
Customer:	Honeywell, Automation and Control Solutions				
Attendees:	Dave Mulhouse				
EUT Power:	110VAC/60Hz				
Operating Mode:	Transmitting 802.11 - low, mid, and high channels (2412, 2437, and 2462 MHz); 1 Mbps, 6 Mbps, 11 Mbps, 36 Mbps, 54 Mbps, MCS0, and MCS7; Antenna 0. See comments below.				
Deviations:	None				
Comments:	None				

Test Specifications	**Test Method**
FCC 15.247:2014	ANSI C63.10:2009

Run #	0	**Test Distance (m)**	3	**Antenna Height(s)**	1 to 4(m)	**Results**	Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2389.458	36.8	-3.3	1.0	311.0	3.0	20.0	Vert	AV	0.0	53.5	54.0	-0.5	1 Mbps, ch 1, EUT on side
2483.900	36.3	-3.0	1.0	280.4	3.0	20.0	Vert	AV	0.0	53.3	54.0	-0.7	MCS0, ch 11, EUT on side
2483.508	36.3	-3.0	1.0	280.7	3.0	20.0	Vert	AV	0.0	53.3	54.0	-0.7	36 Mbps, ch 11, EUT on side
2389.950	36.6	-3.3	1.0	311.0	3.0	20.0	Vert	AV	0.0	53.3	54.0	-0.7	6 Mbps, ch 1, EUT on side
2389.967	36.6	-3.3	1.0	311.0	3.0	20.0	Vert	AV	0.0	53.3	54.0	-0.7	54 Mbps, ch 1, EUT on side
2389.992	36.5	-3.3	1.0	311.0	3.0	20.0	Vert	AV	0.0	53.2	54.0	-0.8	MCS7, ch 1, EUT on side
2483.500	36.1	-3.0	1.0	280.2	3.0	20.0	Vert	AV	0.0	53.1	54.0	-0.9	1 Mbps, ch 11, EUT on side
2483.533	36.0	-3.0	1.0	280.7	3.0	20.0	Vert	AV	0.0	53.0	54.0	-1.0	6 Mbps, ch 11, EUT on side
2389.975	36.3	-3.3	1.0	311.0	3.0	20.0	Vert	AV	0.0	53.0	54.0	-1.0	MCS0, ch 1, EUT on side
2390.000	36.3	-3.3	1.0	311.0	3.0	20.0	Vert	AV	0.0	53.0	54.0	-1.0	36 Mbps, ch 1, EUT on side
2483.542	35.7	-3.0	1.0	281.0	3.0	20.0	Vert	AV	0.0	52.7	54.0	-1.3	6 Mbps, ch 11, EUT on side
2483.533	35.6	-3.0	1.6	275.9	3.0	20.0	Vert	AV	0.0	52.6	54.0	-1.4	6 Mbps, ch 11, EUT on side
2483.500	35.6	-3.0	1.0	281.0	3.0	20.0	Vert	AV	0.0	52.6	54.0	-1.4	6 Mbps, ch 11, EUT on side
2483.567	35.3	-3.0	1.0	280.6	3.0	20.0	Vert	AV	0.0	52.3	54.0	-1.7	54 Mbps, ch 11, EUT on side
2483.642	34.9	-3.0	1.0	280.3	3.0	20.0	Vert	AV	0.0	51.9	54.0	-2.1	MCS7, ch 11, EUT on side
2484.200	54.5	-3.0	1.0	280.4	3.0	20.0	Vert	PK	0.0	71.5	74.0	-2.5	MCS0, ch 11, EUT on side
2483.550	34.5	-3.0	2.0	275.0	3.0	20.0	Horz	AV	0.0	51.5	54.0	-2.5	6 Mbps, ch 11, EUT horz
2483.550	34.4	-3.0	1.0	40.1	3.0	20.0	Vert	AV	0.0	51.4	54.0	-2.6	6 Mbps, ch 11, EUT vert
2483.625	53.7	-3.0	1.6	275.9	3.0	20.0	Vert	PK	0.0	70.7	74.0	-3.3	6 Mbps, ch 11, EUT on side
2389.083	53.3	-3.3	1.0	311.0	3.0	20.0	Vert	PK	0.0	70.0	74.0	-4.0	MCS0, ch 1, EUT on side
2483.692	52.8	-3.0	1.0	281.0	3.0	20.0	Vert	PK	0.0	69.8	74.0	-4.2	6 Mbps, ch 11, EUT on side
2483.525	32.8	-3.0	1.0	280.1	3.0	20.0	Vert	AV	0.0	49.8	54.0	-4.2	11 Mbps, ch 11, EUT on side
2483.575	32.7	-3.0	1.0	29.1	3.0	20.0	Horz	AV	0.0	49.7	54.0	-4.3	6 Mbps, ch 11, EUT on side
2389.525	32.8	-3.3	1.0	311.0	3.0	20.0	Vert	AV	0.0	49.5	54.0	-4.5	11 Mbps, ch 1, EUT on side
4924.017	44.4	4.9	1.1	13.0	3.0	0.0	Horz	AV	0.0	49.3	54.0	-4.7	1 Mbps, high ch, EUT vert
4824.033	43.9	5.4	1.4	290.9	3.0	0.0	Vert	AV	0.0	49.3	54.0	-4.7	1 Mbps, low ch, EUT horz
4874.058	44.1	5.1	1.5	293.9	3.0	0.0	Vert	AV	0.0	49.2	54.0	-4.8	1 Mbps, mid ch, EUT horz
4924.033	44.2	4.9	1.5	293.0	3.0	0.0	Vert	AV	0.0	49.1	54.0	-4.9	1 Mbps, high ch, EUT horz

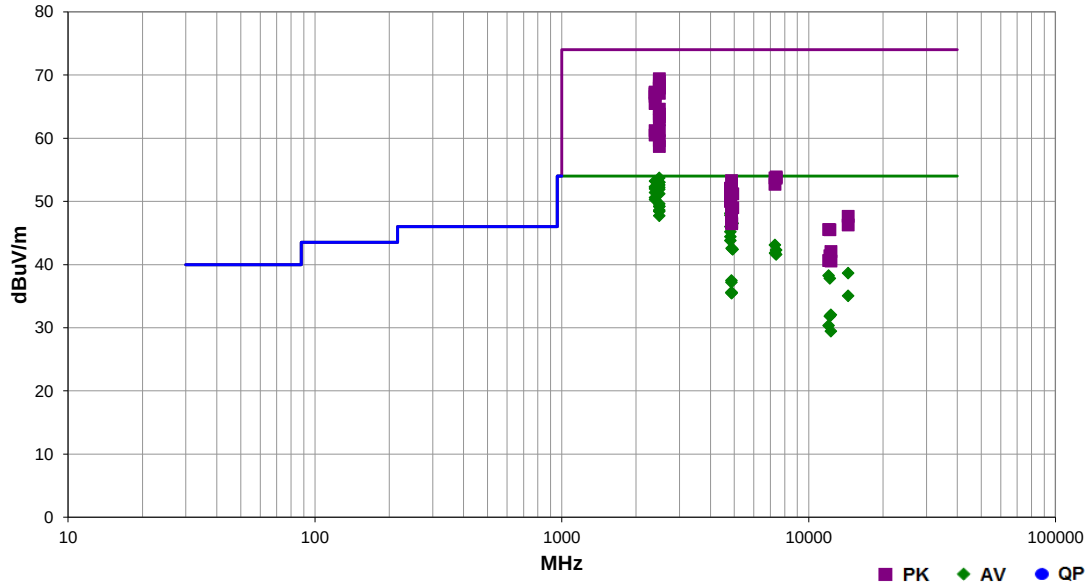
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
4924.067	44.1	4.9	1.0	15.1	3.0	0.0	Horz	AV	0.0	49.0	54.0	-5.0	1 Mbps, high ch, EUT vert
2483.500	52.0	-3.0	1.0	40.1	3.0	20.0	Vert	PK	0.0	69.0	74.0	-5.0	6 Mbps, ch 11, EUT vert
2483.508	31.7	-3.0	1.3	217.1	3.0	20.0	Vert	AV	0.0	48.7	54.0	-5.3	6 Mbps, ch 11, EUT horz
2483.850	51.3	-3.0	1.0	281.0	3.0	20.0	Vert	PK	0.0	68.3	74.0	-5.7	6 Mbps, ch 11, EUT on side
2483.842	51.2	-3.0	1.0	280.3	3.0	20.0	Vert	PK	0.0	68.2	74.0	-5.8	MCS7, ch 11, EUT on side
2484.025	50.9	-3.0	1.0	280.7	3.0	20.0	Vert	PK	0.0	67.9	74.0	-6.1	6 Mbps, ch 11, EUT on side
2484.725	50.8	-3.0	2.0	275.0	3.0	20.0	Horz	PK	0.0	67.8	74.0	-6.2	6 Mbps, ch 11, EUT horz
2389.875	51.1	-3.3	1.0	311.0	3.0	20.0	Vert	PK	0.0	67.8	74.0	-6.2	6 Mbps, ch 1, EUT on side
2389.767	51.0	-3.3	1.0	311.0	3.0	20.0	Vert	PK	0.0	67.7	74.0	-6.3	54 Mbps, ch 1, EUT on side
2484.283	50.5	-3.0	1.0	280.7	3.0	20.0	Vert	PK	0.0	67.5	74.0	-6.5	36 Mbps, ch 11, EUT on side
2389.608	50.8	-3.3	1.0	311.0	3.0	20.0	Vert	PK	0.0	67.5	74.0	-6.5	MCS7, ch 1, EUT on side
2483.975	49.7	-3.0	1.0	29.1	3.0	20.0	Horz	PK	0.0	66.7	74.0	-7.3	6 Mbps, ch 11, EUT on side
2389.958	50.0	-3.3	1.0	311.0	3.0	20.0	Vert	PK	0.0	66.7	74.0	-7.3	36 Mbps, ch 1, EUT on side
4874.000	41.4	5.1	1.0	358.9	3.0	0.0	Horz	AV	0.0	46.5	54.0	-7.5	1 Mbps, mid ch, EUT vert
4924.058	41.5	4.9	1.3	192.1	3.0	0.0	Vert	AV	0.0	46.4	54.0	-7.6	1 Mbps, high ch, EUT on side
2483.675	49.3	-3.0	1.0	280.6	3.0	20.0	Vert	PK	0.0	66.3	74.0	-7.7	54 Mbps, ch 11, EUT on side
2484.450	29.2	-3.0	1.0	69.1	3.0	20.0	Horz	AV	0.0	46.2	54.0	-7.8	6 Mbps, ch 11, EUT vert
4824.050	40.7	5.4	1.1	343.9	3.0	0.0	Horz	AV	0.0	46.1	54.0	-7.9	1 Mbps, low ch, EUT vert
4924.042	40.5	4.9	1.0	254.9	3.0	0.0	Horz	AV	0.0	45.4	54.0	-8.6	1 Mbps, high ch, EUT horz
4923.992	40.3	4.9	1.2	223.0	3.0	0.0	Vert	AV	0.0	45.2	54.0	-8.8	1 Mbps, high ch, EUT vert
4924.033	40.1	4.9	1.0	260.0	3.0	0.0	Horz	AV	0.0	45.0	54.0	-9.0	1 Mbps, high ch, EUT on side
4924.033	39.4	4.9	1.0	15.1	3.0	0.0	Horz	AV	0.0	44.3	54.0	-9.7	11 Mbps, high ch, EUT vert
2483.567	47.1	-3.0	1.3	217.1	3.0	20.0	Vert	PK	0.0	64.1	74.0	-9.9	6 Mbps, ch 11, EUT horz
7310.133	30.1	12.3	1.0	30.1	3.0	0.0	Vert	AV	0.0	42.4	54.0	-11.6	1 Mbps, mid ch, EUT horz
7385.358	28.9	12.8	1.1	30.1	3.0	0.0	Vert	AV	0.0	41.7	54.0	-12.3	1 Mbps, high ch, EUT horz
2389.508	44.4	-3.3	1.0	311.0	3.0	20.0	Vert	PK	0.0	61.1	74.0	-12.9	1 Mbps, ch 1, EUT on side
7311.858	28.4	12.3	1.7	177.1	3.0	0.0	Horz	AV	0.0	40.7	54.0	-13.3	1 Mbps, mid ch, EUT vert
2485.883	43.5	-3.0	1.0	280.2	3.0	20.0	Vert	PK	0.0	60.5	74.0	-13.5	1 Mbps, ch 11, EUT on side
7385.442	27.2	12.8	1.5	301.9	3.0	0.0	Horz	AV	0.0	40.0	54.0	-14.0	1 Mbps, high ch, EUT vert
2483.775	42.7	-3.0	1.0	280.1	3.0	20.0	Vert	PK	0.0	59.7	74.0	-14.3	11 Mbps, ch 11, EUT on side
2389.917	42.9	-3.3	1.0	311.0	3.0	20.0	Vert	PK	0.0	59.6	74.0	-14.4	11 Mbps, ch 1, EUT on side
12059.210	43.3	-5.2	1.0	0.0	3.0	0.0	Horz	AV	0.0	38.1	54.0	-15.9	1 Mbps, low ch, EUT vert
14472.040	34.2	3.5	1.3	194.0	3.0	0.0	Horz	AV	0.0	37.7	54.0	-16.3	1 Mbps, low ch, EUT vert
2484.958	40.5	-3.0	1.0	69.1	3.0	20.0	Horz	PK	0.0	57.5	74.0	-16.5	6 Mbps, ch 11, EUT vert
12310.880	41.9	-4.9	1.0	224.1	3.0	0.0	Horz	AV	0.0	37.0	54.0	-17.0	1 Mbps, high ch, EUT vert
12185.930	41.5	-5.0	1.0	219.0	3.0	0.0	Horz	AV	0.0	36.5	54.0	-17.5	1 Mbps, mid ch, EUT vert
4925.417	29.8	4.9	1.0	15.2	3.0	0.0	Horz	AV	0.0	34.7	54.0	-19.3	36 Mbps, high ch, EUT vert
4923.217	29.8	4.9	1.0	15.2	3.0	0.0	Horz	AV	0.0	34.7	54.0	-19.3	54 Mbps, high ch, EUT vert
4923.950	29.8	4.9	1.0	15.1	3.0	0.0	Horz	AV	0.0	34.7	54.0	-19.3	6 Mbps, high ch, EUT vert
4922.550	29.8	4.9	1.0	15.3	3.0	0.0	Horz	AV	0.0	34.7	54.0	-19.3	MCS7, high ch, EUT vert
4923.675	29.7	4.9	1.0	15.3	3.0	0.0	Horz	AV	0.0	34.6	54.0	-19.4	MCS0, high ch, EUT vert
14470.070	29.3	3.6	2.6	93.0	3.0	0.0	Vert	AV	0.0	32.9	54.0	-21.1	1 Mbps, low ch, EUT horz
4874.000	47.4	5.1	1.5	293.9	3.0	0.0	Vert	PK	0.0	52.5	74.0	-21.5	1 Mbps, mid ch, EUT horz
4924.033	47.5	4.9	1.5	293.0	3.0	0.0	Vert	PK	0.0	52.4	74.0	-21.6	1 Mbps, high ch, EUT horz
4823.983	47.0	5.4	1.4	290.9	3.0	0.0	Vert	PK	0.0	52.4	74.0	-21.6	1 Mbps, low ch, EUT horz
7310.258	40.1	12.3	1.0	30.1	3.0	0.0	Vert	PK	0.0	52.4	74.0	-21.6	1 Mbps, mid ch, EUT horz
4924.092	47.4	4.9	1.1	13.0	3.0	0.0	Horz	PK	0.0	52.3	74.0	-21.7	1 Mbps, high ch, EUT vert
4924.050	47.0	4.9	1.0	15.1	3.0	0.0	Horz	PK	0.0	51.9	74.0	-22.1	1 Mbps, high ch, EUT vert
4924.058	47.0	4.9	1.0	15.1	3.0	0.0	Horz	PK	0.0	51.9	74.0	-22.1	11 Mbps, high ch, EUT vert
7387.708	38.8	12.8	1.1	30.1	3.0	0.0	Vert	PK	0.0	51.6	74.0	-22.4	1 Mbps, high ch, EUT horz
7310.017	39.2	12.3	1.7	177.1	3.0	0.0	Horz	PK	0.0	51.5	74.0	-22.5	1 Mbps, mid ch, EUT vert
12059.230	36.6	-5.2	1.0	303.0	3.0	0.0	Vert	AV	0.0	31.4	54.0	-22.6	1 Mbps, low ch, EUT horz
7385.308	38.3	12.8	1.5	301.9	3.0	0.0	Horz	PK	0.0	51.1	74.0	-22.9	1 Mbps, high ch, EUT vert
4873.975	45.4	5.1	1.0	358.9	3.0	0.0	Horz	PK	0.0	50.5	74.0	-23.5	1 Mbps, mid ch, EUT vert
4923.908	45.5	4.9	1.3	192.1	3.0	0.0	Vert	PK	0.0	50.4	74.0	-23.6	1 Mbps, high ch, EUT on side
4924.075	45.2	4.9	1.0	254.9	3.0	0.0	Horz	PK	0.0	50.1	74.0	-23.9	1 Mbps, high ch, EUT horz
4824.042	44.7	5.4	1.1	343.9	3.0	0.0	Horz	PK	0.0	50.1	74.0	-23.9	1 Mbps, low ch, EUT vert
4924.175	44.4	4.9	1.2	223.0	3.0	0.0	Vert	PK	0.0	49.3	74.0	-24.7	1 Mbps, high ch, EUT vert
12310.810	34.2	-4.9	1.0	304.9	3.0	0.0	Vert	AV	0.0	29.3	54.0	-24.7	1 Mbps, high ch, EUT horz
12185.810	34.1	-5.0	1.0	293.0	3.0	0.0	Vert	AV	0.0	29.1	54.0	-24.9	1 Mbps, mid ch, EUT horz
4924.242	44.1	4.9	1.0	260.0	3.0	0.0	Horz	PK	0.0	49.0	74.0	-25.0	1 Mbps, high ch, EUT on side
4923.467	41.4	4.9	1.0	15.1	3.0	0.0	Horz	PK	0.0	46.3	74.0	-27.7	6 Mbps, high ch, EUT vert
14471.880	42.6	3.5	1.3	194.0	3.0	0.0	Horz	PK	0.0	46.1	74.0	-27.9	1 Mbps, low ch, EUT vert
4921.808	41.1	4.9	1.0	15.2	3.0	0.0	Horz	PK	0.0	46.0	74.0	-28.0	36 Mbps, high ch, EUT vert
4921.958	40.8	4.9	1.0	15.2	3.0	0.0	Horz	PK	0.0	45.7	74.0	-28.3	54 Mbps, high ch, EUT vert
4924.900	40.8	4.9	1.0	15.3	3.0	0.0	Horz	PK	0.0	45.7	74.0	-28.3	MCS0, high ch, EUT vert
4923.083	40.4	4.9	1.0	15.3	3.0	0.0	Horz	PK	0.0	45.3	74.0	-28.7	MCS7, high ch, EUT vert
12060.640	49.8	-5.2	1.0	0.0	3.0	0.0	Horz	PK	0.0	44.6	74.0	-29.4	1 Mbps, low ch, EUT vert
14474.320	40.5	3.5	2.6	93.0	3.0	0.0	Vert	PK	0.0	44.0	74.0	-30.0	1 Mbps, low ch, EUT horz
12310.360	48.6	-4.9	1.0	224.1	3.0	0.0	Horz	PK	0.0	43.7	74.0	-30.3	1 Mbps, high ch, EUT vert
12185.880	48.2	-5.0	1.0	219.0	3.0	0.0	Horz	PK	0.0	43.2	74.0	-30.8	1 Mbps, mid ch, EUT vert
12058.330	45.4	-5.2	1.0	303.0	3.0	0.0	Vert	PK	0.0	40.2	74.0	-33.8	1 Mbps, low ch, EUT horz
12185.930	44.8	-5.0	1.0	293.0	3.0	0.0	Vert	PK	0.0	39.8	74.0	-34.2	1 Mbps, mid ch, EUT horz
12310.860	43.7	-4.9	1.0	304.9	3.0	0.0	Vert	PK	0.0	38.8	74.0	-35.2	1 Mbps, high ch, EUT horz

SPURIOUS RADIATED EMISSIONS

Work Order:	HNYW0120	**Date:**	12/09/14		
Project:	None	**Temperature:**	23 °C		
Job Site:	MN05	**Humidity:**	17% RH		
Serial Number:	50072214-002	**Barometric Pres.:**	1034.5 mbar	**Tested by:**	Dustin Sparks
EUT:	TH6320WF02				
Configuration:	1				
Customer:	Honeywell, Automation and Control Solutions				
Attendees:	Dave Mulhouse				
EUT Power:	110VAC/60Hz				
Operating Mode:	Transmitting 802.11 - low, mid, and high channels (2412, 2437, and 2462 MHz); 1 Mbps, 6 Mbps, 11 Mbps, 36 Mbps, 54 Mbps, MCS0, and MCS7; Antenna 1. See comments below.				
Deviations:	None				
Comments:	None				

Test Specifications	**Test Method**
FCC 15.247:2014	ANSI C63.10:2009

Run #	5	**Test Distance (m)**	3	**Antenna Height(s)**	1 to 4(m)	**Results**	Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2483.550	36.7	-3.0	1.2	121.0	3.0	20.0	Vert	AV	0.0	53.7	54.0	-0.3	6 Mbps, high ch, EUT vert
2389.375	36.5	-3.3	1.0	281.7	3.0	20.0	Vert	AV	0.0	53.2	54.0	-0.8	1 Mbps, low ch, EUT on side
2483.700	36.0	-3.0	1.2	120.9	3.0	20.0	Vert	AV	0.0	53.0	54.0	-1.0	MCS0, high ch, EUT vert
2483.517	36.0	-3.0	1.2	121.0	3.0	20.0	Vert	AV	0.0	53.0	54.0	-1.0	36 Mbps, high ch, EUT vert
2483.500	35.6	-3.0	1.2	121.0	3.0	20.0	Vert	AV	0.0	52.6	54.0	-1.4	54 Mbps, high ch, EUT vert
2390.000	35.6	-3.3	1.0	281.9	3.0	20.0	Vert	AV	0.0	52.3	54.0	-1.7	36 Mbps, low ch, EUT on side
2389.992	35.6	-3.3	1.0	281.9	3.0	20.0	Vert	AV	0.0	52.3	54.0	-1.7	54 Mbps, low ch, EUT on side
2483.508	35.2	-3.0	1.2	120.9	3.0	20.0	Vert	AV	0.0	52.2	54.0	-1.8	MCS7, high ch, EUT vert
2389.975	35.3	-3.3	1.0	281.9	3.0	20.0	Vert	AV	0.0	52.0	54.0	-2.0	6 Mbps, low ch, EUT on side
2483.617	34.9	-3.0	1.2	118.0	3.0	20.0	Vert	AV	0.0	51.9	54.0	-2.1	6 Mbps, high ch, EUT on side
2390.000	34.7	-3.3	1.0	281.8	3.0	20.0	Vert	AV	0.0	51.4	54.0	-2.6	MCS0, low ch, EUT on side
2483.500	34.2	-3.0	1.2	120.9	3.0	20.0	Vert	AV	0.0	51.2	54.0	-2.8	1 Mbps, high ch, EUT on side
2389.983	33.9	-3.3	1.0	281.8	3.0	20.0	Vert	AV	0.0	50.6	54.0	-3.4	MCS7, low ch, EUT on side
2389.808	33.6	-3.3	1.0	281.7	3.0	20.0	Vert	AV	0.0	50.3	54.0	-3.7	11 Mbps, low ch, EUT on side
2483.550	32.6	-3.0	1.0	0.0	3.0	20.0	Horz	AV	0.0	49.6	54.0	-4.4	6 Mbps, high ch, EUT on side
2485.442	52.4	-3.0	1.2	120.9	3.0	20.0	Vert	PK	0.0	69.4	74.0	-4.6	MCS0, high ch, EUT vert
2483.600	32.2	-3.0	1.0	310.0	3.0	20.0	Vert	AV	0.0	49.2	54.0	-4.8	6 Mbps, high ch, EUT vert
2483.542	32.2	-3.0	1.0	214.1	3.0	20.0	Horz	AV	0.0	49.2	54.0	-4.8	6 Mbps, high ch, EUT vert
2483.842	52.0	-3.0	1.2	121.0	3.0	20.0	Vert	PK	0.0	69.0	74.0	-5.0	6 Mbps, high ch, EUT vert
4873.983	43.9	5.1	1.5	294.9	3.0	0.0	Vert	AV	0.0	49.0	54.0	-5.0	1 Mbps, mid ch, EUT horz
2483.500	31.6	-3.0	1.2	120.9	3.0	20.0	Vert	AV	0.0	48.6	54.0	-5.4	11 Mbps, high ch, EUT on side
2483.558	31.4	-3.0	1.0	279.0	3.0	20.0	Vert	AV	0.0	48.4	54.0	-5.6	6 Mbps, high ch, EUT on side
2483.625	51.3	-3.0	1.2	121.0	3.0	20.0	Vert	PK	0.0	68.3	74.0	-5.7	36 Mbps, high ch, EUT vert
4824.025	42.7	5.4	1.2	343.0	3.0	0.0	Horz	AV	0.0	48.1	54.0	-5.9	1 Mbps, low ch, EUT vert
2483.558	51.0	-3.0	1.2	118.0	3.0	20.0	Vert	PK	0.0	68.0	74.0	-6.0	6 Mbps, high ch, EUT on side
2483.592	50.9	-3.0	1.2	121.0	3.0	20.0	Vert	PK	0.0	67.9	74.0	-6.1	54 Mbps, high ch, EUT vert
4824.008	42.4	5.4	1.2	297.9	3.0	0.0	Vert	AV	0.0	47.8	54.0	-6.2	1 Mbps, low ch, EUT horz
2483.525	30.7	-3.0	1.0	166.1	3.0	20.0	Horz	AV	0.0	47.7	54.0	-6.3	6 Mbps, high ch, EUT on side
2389.933	50.6	-3.3	1.0	281.8	3.0	20.0	Vert	PK	0.0	67.3	74.0	-6.7	MCS0, low ch, EUT on side
2389.992	50.5	-3.3	1.0	281.9	3.0	20.0	Vert	PK	0.0	67.2	74.0	-6.8	54 Mbps, low ch, EUT on side

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2483.683	50.1	-3.0	1.2	120.9	3.0	20.0	Vert	PK	0.0	67.1	74.0	-6.9	MCS7, high ch, EUT vert
2389.842	50.3	-3.3	1.0	281.9	3.0	20.0	Vert	PK	0.0	67.0	74.0	-7.0	6 Mbps, low ch, EUT on side
4874.058	41.9	5.1	1.0	44.1	3.0	0.0	Horz	AV	0.0	47.0	54.0	-7.0	1 Mbps, mid ch, EUT vert
2389.925	49.9	-3.3	1.0	281.9	3.0	20.0	Vert	PK	0.0	66.6	74.0	-7.4	36 Mbps, low ch, EUT on side
4924.083	41.6	4.9	1.1	11.1	3.0	0.0	Horz	AV	0.0	46.5	54.0	-7.5	1 Mbps, high ch, EUT vert
4824.033	40.6	5.4	1.0	51.1	3.0	0.0	Vert	AV	0.0	46.0	54.0	-8.0	1 Mbps, low ch, EUT on side
2389.725	48.8	-3.3	1.0	281.8	3.0	20.0	Vert	PK	0.0	65.5	74.0	-8.5	MCS7, low ch, EUT on side
4824.067	39.8	5.4	1.3	239.0	3.0	0.0	Horz	AV	0.0	45.2	54.0	-8.8	1 Mbps, low ch, EUT on side
2483.617	47.6	-3.0	1.0	214.1	3.0	20.0	Horz	PK	0.0	64.6	74.0	-9.4	6 Mbps, high ch, EUT vert
4824.017	39.0	5.4	1.0	257.0	3.0	0.0	Horz	AV	0.0	44.4	54.0	-9.6	1 Mbps, low ch, EUT horz
2483.567	46.8	-3.0	1.0	0.0	3.0	20.0	Horz	PK	0.0	63.8	74.0	-10.2	6 Mbps, high ch, EUT on side
4824.025	38.4	5.4	1.0	222.0	3.0	0.0	Vert	AV	0.0	43.8	54.0	-10.2	1 Mbps, low ch, EUT vert
2483.658	46.4	-3.0	1.0	310.0	3.0	20.0	Vert	PK	0.0	63.4	74.0	-10.6	6 Mbps, high ch, EUT vert
7310.125	30.8	12.3	1.0	22.1	3.0	0.0	Vert	AV	0.0	43.1	54.0	-10.9	1 Mbps, mid ch, EUT horz
2483.625	45.9	-3.0	1.0	279.0	3.0	20.0	Vert	PK	0.0	62.9	74.0	-11.1	6 Mbps, high ch, EUT on side
4874.067	37.5	5.1	1.4	289.9	3.0	0.0	Vert	AV	0.0	42.6	54.0	-11.4	11 Mbps, mid ch, EUT horz
4924.033	37.5	4.9	1.3	198.0	3.0	0.0	Vert	AV	0.0	42.4	54.0	-11.6	1 Mbps, high ch, EUT horz
7384.967	29.5	12.8	1.0	39.0	3.0	0.0	Vert	AV	0.0	42.3	54.0	-11.7	1 Mbps, high ch, EUT horz
7312.283	29.5	12.3	1.0	250.0	3.0	0.0	Horz	AV	0.0	41.8	54.0	-12.2	1 Mbps, mid ch, EUT vert
7386.842	28.8	12.8	1.0	256.0	3.0	0.0	Horz	AV	0.0	41.6	54.0	-12.4	1 Mbps, high ch, EUT vert
2483.733	44.2	-3.0	1.0	166.1	3.0	20.0	Horz	PK	0.0	61.2	74.0	-12.8	6 Mbps, high ch, EUT on side
2389.567	44.5	-3.3	1.0	281.7	3.0	20.0	Vert	PK	0.0	61.2	74.0	-12.8	11 Mbps, low ch, EUT on side
2389.558	43.8	-3.3	1.0	281.7	3.0	20.0	Vert	PK	0.0	60.5	74.0	-13.5	1 Mbps, low ch, EUT on side
2484.492	42.6	-3.0	1.2	120.9	3.0	20.0	Vert	PK	0.0	59.6	74.0	-14.4	1 Mbps, high ch, EUT on side
2483.633	41.7	-3.0	1.2	120.9	3.0	20.0	Vert	PK	0.0	58.7	74.0	-15.3	11 Mbps, high ch, EUT on side
14472.030	35.1	3.5	1.3	197.0	3.0	0.0	Horz	AV	0.0	38.6	54.0	-15.4	1 Mbps, low ch, EUT vert
12059.130	43.4	-5.2	1.0	360.0	3.0	0.0	Horz	AV	0.0	38.2	54.0	-15.8	1 Mbps, low ch, EUT vert
12184.140	42.8	-5.0	1.0	1.1	3.0	0.0	Horz	AV	0.0	37.8	54.0	-16.2	1 Mbps, mid ch, EUT vert
4873.967	32.4	5.1	1.7	290.9	3.0	0.0	Vert	AV	0.0	37.5	54.0	-16.5	MCS0, mid ch, EUT horz
4872.808	32.1	5.1	1.7	290.9	3.0	0.0	Vert	AV	0.0	37.2	54.0	-16.8	MCS7, mid ch, EUT horz
4873.950	30.5	5.1	1.4	133.0	3.0	0.0	Vert	AV	0.0	35.6	54.0	-18.4	6 Mbps, mid ch, EUT horz
4875.342	30.5	5.1	1.4	133.0	3.0	0.0	Vert	AV	0.0	35.6	54.0	-18.4	54 Mbps, mid ch, EUT horz
4874.683	30.4	5.1	1.4	133.0	3.0	0.0	Vert	AV	0.0	35.5	54.0	-18.5	36 Mbps, mid ch, EUT horz
14472.100	31.5	3.5	1.0	136.0	3.0	0.0	Vert	AV	0.0	35.0	54.0	-19.0	1 Mbps, low ch, EUT horz
7385.542	41.1	12.8	1.0	256.0	3.0	0.0	Horz	PK	0.0	53.9	74.0	-20.1	1 Mbps, high ch, EUT vert
7311.142	41.4	12.3	1.0	22.1	3.0	0.0	Vert	PK	0.0	53.7	74.0	-20.3	1 Mbps, mid ch, EUT horz
7383.925	40.9	12.8	1.0	39.0	3.0	0.0	Vert	PK	0.0	53.7	74.0	-20.3	1 Mbps, high ch, EUT horz
4873.875	48.2	5.1	1.5	294.9	3.0	0.0	Vert	PK	0.0	53.3	74.0	-20.7	1 Mbps, mid ch, EUT horz
7310.842	40.4	12.3	1.0	250.0	3.0	0.0	Horz	PK	0.0	52.7	74.0	-21.3	1 Mbps, mid ch, EUT vert
4823.858	46.7	5.4	1.2	297.9	3.0	0.0	Vert	PK	0.0	52.1	74.0	-21.9	1 Mbps, low ch, EUT horz
12309.150	37.0	-5.0	1.0	180.0	3.0	0.0	Horz	AV	0.0	32.0	54.0	-22.0	1 Mbps, high ch, EUT vert
4824.017	46.6	5.4	1.2	343.0	3.0	0.0	Horz	PK	0.0	52.0	74.0	-22.0	1 Mbps, low ch, EUT vert
12184.340	36.8	-5.0	1.1	329.9	3.0	0.0	Vert	AV	0.0	31.8	54.0	-22.2	1 Mbps, mid ch, EUT horz
4873.775	46.4	5.1	1.0	44.1	3.0	0.0	Horz	PK	0.0	51.5	74.0	-22.5	1 Mbps, mid ch, EUT vert
4924.050	46.3	4.9	1.1	11.1	3.0	0.0	Horz	PK	0.0	51.2	74.0	-22.8	1 Mbps, high ch, EUT vert
4873.842	46.1	5.1	1.4	289.9	3.0	0.0	Vert	PK	0.0	51.2	74.0	-22.8	11 Mbps, mid ch, EUT horz
4824.217	45.6	5.4	1.0	51.1	3.0	0.0	Vert	PK	0.0	51.0	74.0	-23.0	1 Mbps, low ch, EUT on side
4823.867	45.2	5.4	1.3	239.0	3.0	0.0	Horz	PK	0.0	50.6	74.0	-23.4	1 Mbps, low ch, EUT on side
12059.180	35.5	-5.2	1.0	330.9	3.0	0.0	Vert	AV	0.0	30.3	54.0	-23.7	1 Mbps, low ch, EUT horz
4824.067	44.7	5.4	1.0	257.0	3.0	0.0	Horz	PK	0.0	50.1	74.0	-23.9	1 Mbps, low ch, EUT horz
4823.733	44.6	5.4	1.0	222.0	3.0	0.0	Vert	PK	0.0	50.0	74.0	-24.0	1 Mbps, low ch, EUT vert
12309.060	34.4	-5.0	1.0	134.1	3.0	0.0	Vert	AV	0.0	29.4	54.0	-24.6	1 Mbps, high ch, EUT horz
4923.833	44.1	4.9	1.3	198.0	3.0	0.0	Vert	PK	0.0	49.0	74.0	-25.0	1 Mbps, high ch, EUT horz
4872.933	43.8	5.1	1.7	290.9	3.0	0.0	Vert	PK	0.0	48.9	74.0	-25.1	MCS0, mid ch, EUT horz
4873.775	43.3	5.1	1.7	290.9	3.0	0.0	Vert	PK	0.0	48.4	74.0	-25.6	MCS7, mid ch, EUT horz
14472.260	44.1	3.5	1.3	197.0	3.0	0.0	Horz	PK	0.0	47.6	74.0	-26.4	1 Mbps, low ch, EUT vert
4874.900	41.6	5.1	1.4	133.0	3.0	0.0	Vert	PK	0.0	46.7	74.0	-27.3	6 Mbps, mid ch, EUT horz
4872.667	41.5	5.1	1.4	133.0	3.0	0.0	Vert	PK	0.0	46.6	74.0	-27.4	36 Mbps, mid ch, EUT horz
4874.892	41.4	5.1	1.4	133.0	3.0	0.0	Vert	PK	0.0	46.5	74.0	-27.5	54 Mbps, mid ch, EUT horz
14469.800	42.7	3.6	1.0	136.0	3.0	0.0	Vert	PK	0.0	46.3	74.0	-27.7	1 Mbps, low ch, EUT horz
12060.450	50.7	-5.2	1.0	360.0	3.0	0.0	Horz	PK	0.0	45.5	74.0	-28.5	1 Mbps, low ch, EUT vert
12184.260	50.5	-5.0	1.0	1.1	3.0	0.0	Horz	PK	0.0	45.5	74.0	-28.5	1 Mbps, mid ch, EUT vert
12309.730	47.0	-4.9	1.0	180.0	3.0	0.0	Horz	PK	0.0	42.1	74.0	-31.9	1 Mbps, high ch, EUT vert
12187.100	46.4	-5.0	1.1	329.9	3.0	0.0	Vert	PK	0.0	41.4	74.0	-32.6	1 Mbps, mid ch, EUT horz
12059.410	45.8	-5.2	1.0	330.9	3.0	0.0	Vert	PK	0.0	40.6	74.0	-33.4	1 Mbps, low ch, EUT horz
12310.070	45.5	-4.9	1.0	134.1	3.0	0.0	Vert	PK	0.0	40.6	74.0	-33.4	1 Mbps, high ch, EUT horz

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50 Ω measuring port is terminated by a 50 Ω EMI meter or a 50 Ω resistive load. All 50 Ω measuring ports of the LISN are terminated by 50Ω.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Receiver	Rohde & Schwarz	ESR7	ARI	05/06/2014	12 mo
Attenuator 20dB, BNC	Fairview Microwave	SA01B-20	AQP	07/22/2014	12 mo
High Pass Filter	TTE	H97-100K-50-720B	HGN	05/23/2014	12 mo
MN03 Cables	ESM Cable Corp.	Conducted Cables	MNC	11/20/2014	12 mo
LISN	Solar Electronics	9252-50-R-24-BNC	LIY	05/15/2014	12 mo

MEASUREMENT UNCERTAINTY

Description		
Expanded k=2	2.4 dB	-2.4 dB

CONFIGURATIONS INVESTIGATED

HNYW0120-1

MODES INVESTIGATED

Receiving High channel, 1Mbps
Receiving low channel, 1Mbps
Receiving mid channel, 1Mbps
Transmitting high channel, 1Mbps
Transmitting low channel, 1Mbps
Transmitting mid channel, 1Mbps

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	3	Line:	High Line	Ext. Attenuation (dB):	20

COMMENTS

None

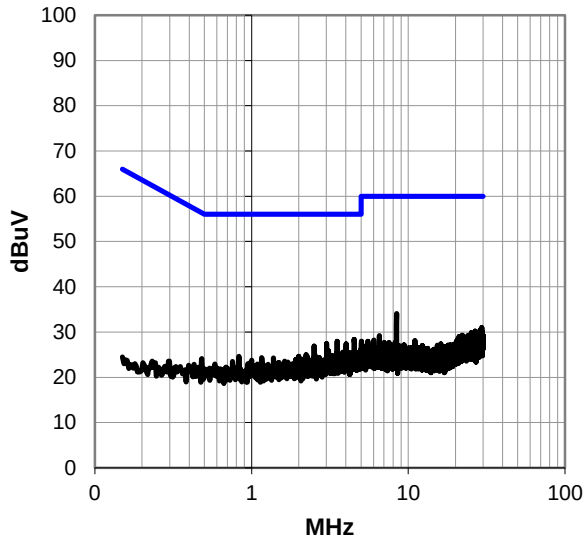
EUT OPERATING MODES

Transmitting low channel, 1Mbps

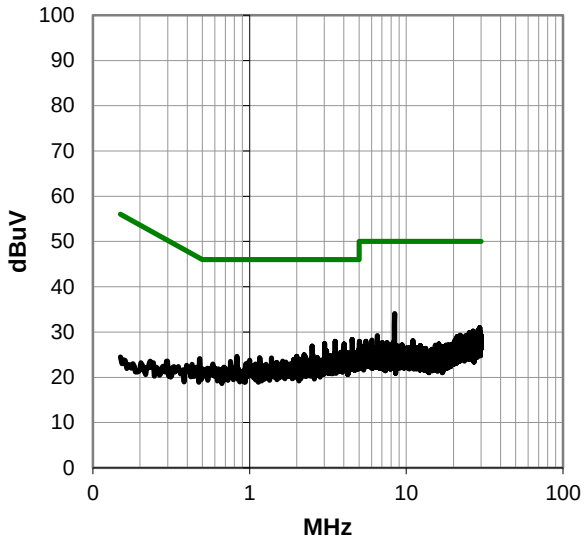
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #3

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
8.421	13.4	20.7	34.1	60.0	-25.9
4.519	8.0	20.4	28.4	56.0	-27.6
3.515	7.6	20.4	28.0	56.0	-28.0
3.015	7.1	20.3	27.4	56.0	-28.6
4.019	7.0	20.4	27.4	56.0	-28.6
29.519	8.5	22.4	30.9	60.0	-29.1
2.508	6.6	20.3	26.9	56.0	-29.1
28.840	8.1	22.4	30.5	60.0	-29.5
26.672	8.1	22.1	30.2	60.0	-29.8
29.470	7.6	22.4	30.0	60.0	-30.0
29.810	7.5	22.5	30.0	60.0	-30.0
29.049	7.5	22.4	29.9	60.0	-30.1
25.292	7.9	22.0	29.9	60.0	-30.1
3.097	5.5	20.3	25.8	56.0	-30.2
29.008	7.4	22.4	29.8	60.0	-30.2
29.675	7.3	22.5	29.8	60.0	-30.2
4.940	5.3	20.5	25.8	56.0	-30.2
4.593	5.3	20.4	25.7	56.0	-30.3
3.817	5.2	20.4	25.6	56.0	-30.4
29.164	7.1	22.4	29.5	60.0	-30.5
4.146	5.1	20.4	25.5	56.0	-30.5
28.661	7.1	22.3	29.4	60.0	-30.6
29.373	7.0	22.4	29.4	60.0	-30.6
25.605	7.4	22.0	29.4	60.0	-30.6
4.343	5.0	20.4	25.4	56.0	-30.6
4.802	4.9	20.4	25.3	56.0	-30.7

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
8.421	13.4	20.7	34.1	50.0	-15.9
4.519	8.0	20.4	28.4	46.0	-17.6
3.515	7.6	20.4	28.0	46.0	-18.0
3.015	7.1	20.3	27.4	46.0	-18.6
4.019	7.0	20.4	27.4	46.0	-18.6
29.519	8.5	22.4	30.9	50.0	-19.1
2.508	6.6	20.3	26.9	46.0	-19.1
28.840	8.1	22.4	30.5	50.0	-19.5
26.672	8.1	22.1	30.2	50.0	-19.8
29.470	7.6	22.4	30.0	50.0	-20.0
29.810	7.5	22.5	30.0	50.0	-20.0
29.049	7.5	22.4	29.9	50.0	-20.1
25.292	7.9	22.0	29.9	50.0	-20.1
3.097	5.5	20.3	25.8	46.0	-20.2
29.008	7.4	22.4	29.8	50.0	-20.2
29.675	7.3	22.5	29.8	50.0	-20.2
4.940	5.3	20.5	25.8	46.0	-20.2
4.593	5.3	20.4	25.7	46.0	-20.3
3.817	5.2	20.4	25.6	46.0	-20.4
29.164	7.1	22.4	29.5	50.0	-20.5
4.146	5.1	20.4	25.5	46.0	-20.5
28.661	7.1	22.3	29.4	50.0	-20.6
29.373	7.0	22.4	29.4	50.0	-20.6
25.605	7.4	22.0	29.4	50.0	-20.6
4.343	5.0	20.4	25.4	46.0	-20.6
4.802	4.9	20.4	25.3	46.0	-20.7

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	4	Line:	Neutral	Ext. Attenuation (dB):	20

COMMENTS

None

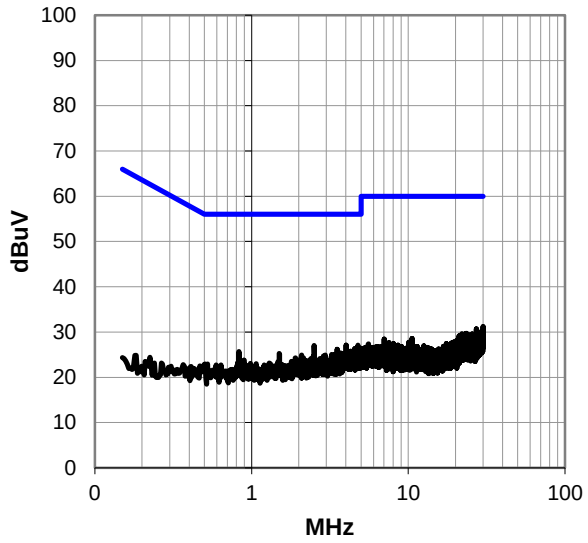
EUT OPERATING MODES

Transmitting low channel, 1Mbps

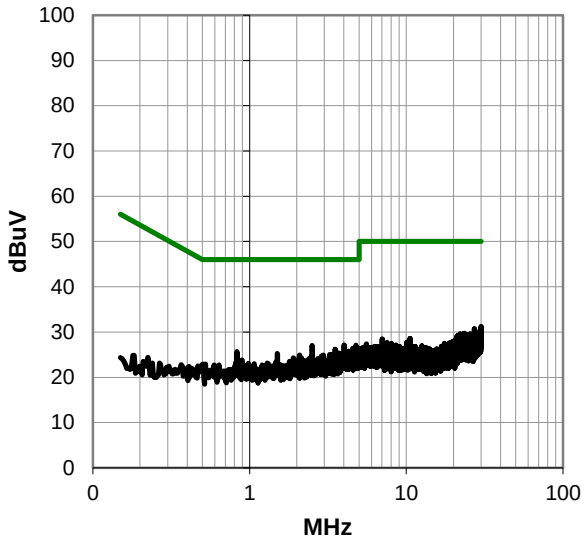
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #4

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
29.981	8.7	22.5	31.2	60.0	-28.8
4.765	6.7	20.4	27.1	56.0	-28.9
4.019	6.7	20.4	27.1	56.0	-28.9
2.512	6.7	20.3	27.0	56.0	-29.0
27.191	8.5	22.2	30.7	60.0	-29.3
4.556	5.9	20.4	26.3	56.0	-29.7
3.515	5.8	20.4	26.2	56.0	-29.8
29.403	7.7	22.4	30.1	60.0	-29.9
29.690	7.6	22.5	30.1	60.0	-29.9
4.825	5.5	20.4	25.9	56.0	-30.1
27.553	7.6	22.2	29.8	60.0	-30.2
4.287	5.4	20.4	25.8	56.0	-30.2
4.086	5.4	20.4	25.8	56.0	-30.2
0.829	5.5	20.2	25.7	56.0	-30.3
23.561	7.9	21.8	29.7	60.0	-30.3
29.787	7.2	22.5	29.7	60.0	-30.3
23.229	7.9	21.8	29.7	60.0	-30.3
22.072	8.0	21.7	29.7	60.0	-30.3
26.986	7.5	22.2	29.7	60.0	-30.3
29.220	7.2	22.4	29.6	60.0	-30.4
25.545	7.6	22.0	29.6	60.0	-30.4
25.825	7.5	22.0	29.5	60.0	-30.5
4.127	5.1	20.4	25.5	56.0	-30.5
28.743	7.1	22.4	29.5	60.0	-30.5
26.556	7.3	22.1	29.4	60.0	-30.6
24.422	7.5	21.9	29.4	60.0	-30.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
29.981	8.7	22.5	31.2	50.0	-18.8
4.765	6.7	20.4	27.1	46.0	-18.9
4.019	6.7	20.4	27.1	46.0	-18.9
2.512	6.7	20.3	27.0	46.0	-19.0
27.191	8.5	22.2	30.7	50.0	-19.3
4.556	5.9	20.4	26.3	46.0	-19.7
3.515	5.8	20.4	26.2	46.0	-19.8
29.403	7.7	22.4	30.1	50.0	-19.9
29.690	7.6	22.5	30.1	50.0	-19.9
4.825	5.5	20.4	25.9	46.0	-20.1
27.553	7.6	22.2	29.8	50.0	-20.2
4.287	5.4	20.4	25.8	46.0	-20.2
4.086	5.4	20.4	25.8	46.0	-20.2
0.829	5.5	20.2	25.7	46.0	-20.3
23.561	7.9	21.8	29.7	50.0	-20.3
29.787	7.2	22.5	29.7	50.0	-20.3
23.229	7.9	21.8	29.7	50.0	-20.3
22.072	8.0	21.7	29.7	50.0	-20.3
26.986	7.5	22.2	29.7	50.0	-20.3
29.220	7.2	22.4	29.6	50.0	-20.4
25.545	7.6	22.0	29.6	50.0	-20.4
25.825	7.5	22.0	29.5	50.0	-20.5
4.127	5.1	20.4	25.5	46.0	-20.5
28.743	7.1	22.4	29.5	50.0	-20.5
26.556	7.3	22.1	29.4	50.0	-20.6
24.422	7.5	21.9	29.4	50.0	-20.6

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	5	Line:	Neutral	Ext. Attenuation (dB):	20

COMMENTS

None

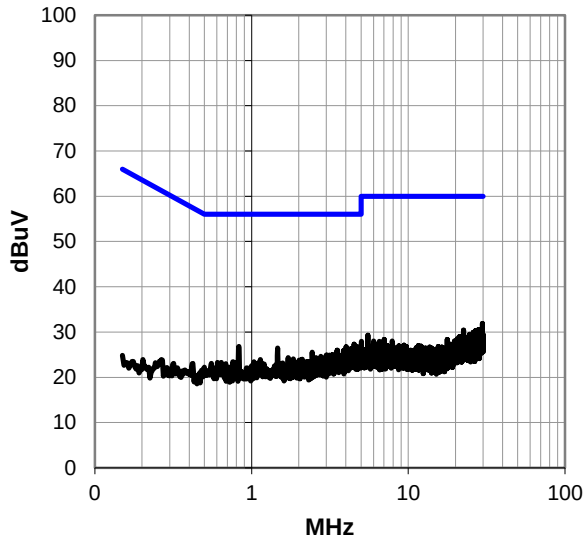
EUT OPERATING MODES

Transmitting mid channel, 1Mbps

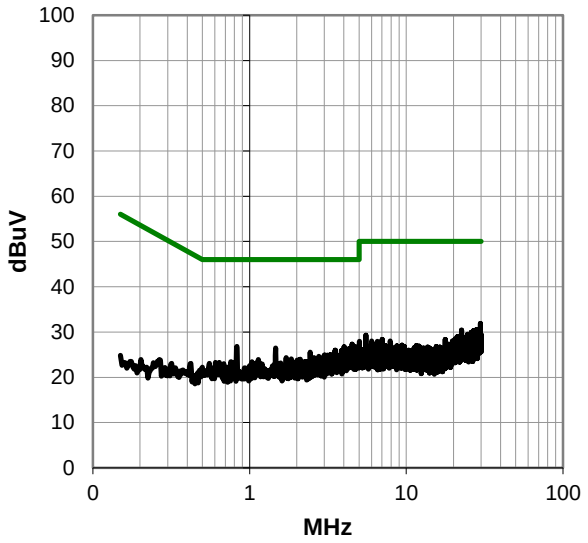
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #5

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
29.731	9.4	22.5	31.9	60.0	-28.1
4.519	6.9	20.4	27.3	56.0	-28.7
4.720	6.4	20.4	26.8	56.0	-29.2
0.829	6.6	20.2	26.8	56.0	-29.2
4.015	6.4	20.4	26.8	56.0	-29.2
28.112	8.3	22.3	30.6	60.0	-29.4
29.108	8.1	22.4	30.5	60.0	-29.5
1.467	6.2	20.2	26.4	56.0	-29.6
22.553	8.7	21.7	30.4	60.0	-29.6
26.903	8.2	22.1	30.3	60.0	-29.7
4.302	5.9	20.4	26.3	56.0	-29.7
4.090	5.9	20.4	26.3	56.0	-29.7
29.549	7.8	22.4	30.2	60.0	-29.8
28.993	7.8	22.4	30.2	60.0	-29.8
4.407	5.8	20.4	26.2	56.0	-29.8
29.411	7.7	22.4	30.1	60.0	-29.9
4.795	5.7	20.4	26.1	56.0	-29.9
26.415	7.9	22.1	30.0	60.0	-30.0
3.541	5.6	20.4	26.0	56.0	-30.0
3.515	5.6	20.4	26.0	56.0	-30.0
29.448	7.5	22.4	29.9	60.0	-30.1
25.937	7.9	22.0	29.9	60.0	-30.1
3.862	5.5	20.4	25.9	56.0	-30.1
28.795	7.5	22.4	29.9	60.0	-30.1
26.706	7.7	22.1	29.8	60.0	-30.2
28.903	7.4	22.4	29.8	60.0	-30.2

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
29.731	9.4	22.5	31.9	50.0	-18.1
4.519	6.9	20.4	27.3	46.0	-18.7
4.720	6.4	20.4	26.8	46.0	-19.2
0.829	6.6	20.2	26.8	46.0	-19.2
4.015	6.4	20.4	26.8	46.0	-19.2
28.112	8.3	22.3	30.6	50.0	-19.4
29.108	8.1	22.4	30.5	50.0	-19.5
1.467	6.2	20.2	26.4	46.0	-19.6
22.553	8.7	21.7	30.4	50.0	-19.6
26.903	8.2	22.1	30.3	50.0	-19.7
4.302	5.9	20.4	26.3	46.0	-19.7
4.090	5.9	20.4	26.3	46.0	-19.7
29.549	7.8	22.4	30.2	50.0	-19.8
28.993	7.8	22.4	30.2	50.0	-19.8
4.407	5.8	20.4	26.2	46.0	-19.8
29.411	7.7	22.4	30.1	50.0	-19.9
4.795	5.7	20.4	26.1	46.0	-19.9
26.415	7.9	22.1	30.0	50.0	-20.0
3.541	5.6	20.4	26.0	46.0	-20.0
3.515	5.6	20.4	26.0	46.0	-20.0
29.448	7.5	22.4	29.9	50.0	-20.1
25.937	7.9	22.0	29.9	50.0	-20.1
3.862	5.5	20.4	25.9	46.0	-20.1
28.795	7.5	22.4	29.9	50.0	-20.1
26.706	7.7	22.1	29.8	50.0	-20.2
28.903	7.4	22.4	29.8	50.0	-20.2

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	6	Line:	High Line	Ext. Attenuation (dB):	20

COMMENTS

None

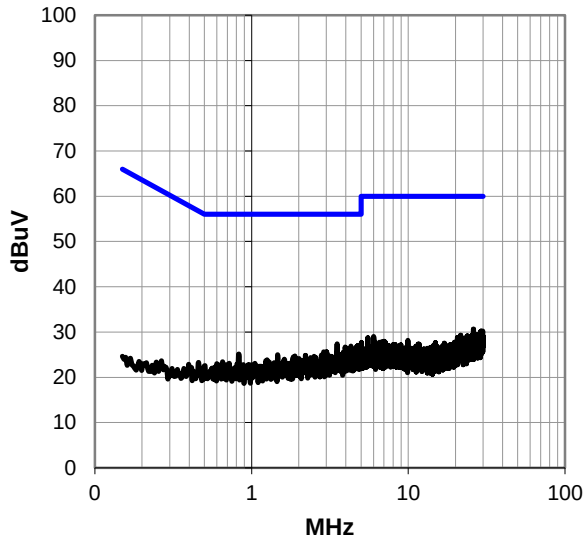
EUT OPERATING MODES

Transmitting mid channel, 1Mbps

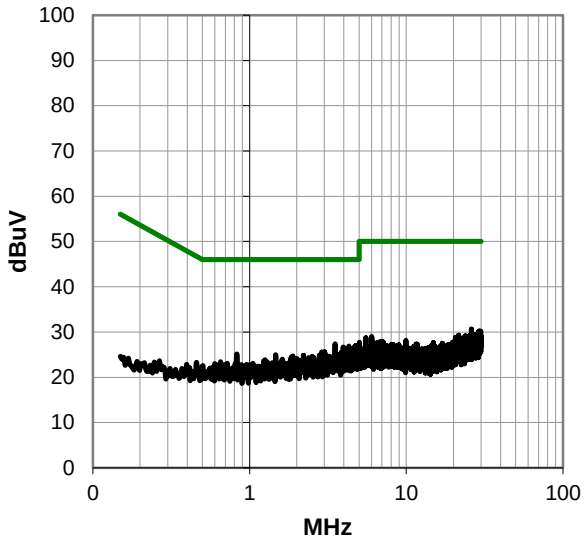
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #6

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
3.515	7.0	20.4	27.4	56.0	-28.6
4.769	6.6	20.4	27.0	56.0	-29.0
4.314	6.5	20.4	26.9	56.0	-29.1
4.694	6.3	20.4	26.7	56.0	-29.3
3.963	6.3	20.4	26.7	56.0	-29.3
26.113	8.6	22.1	30.7	60.0	-29.3
4.881	6.2	20.4	26.6	56.0	-29.4
4.019	6.1	20.4	26.5	56.0	-29.5
29.239	7.8	22.4	30.2	60.0	-29.8
29.832	7.7	22.5	30.2	60.0	-29.8
29.127	7.7	22.4	30.1	60.0	-29.9
4.556	5.6	20.4	26.0	56.0	-30.0
4.493	5.6	20.4	26.0	56.0	-30.0
4.437	5.6	20.4	26.0	56.0	-30.0
29.041	7.4	22.4	29.8	60.0	-30.2
4.519	5.4	20.4	25.8	56.0	-30.2
29.317	7.3	22.4	29.7	60.0	-30.3
29.784	7.2	22.5	29.7	60.0	-30.3
3.012	5.3	20.3	25.6	56.0	-30.4
2.892	5.3	20.3	25.6	56.0	-30.4
28.485	7.3	22.3	29.6	60.0	-30.4
26.777	7.4	22.1	29.5	60.0	-30.5
3.851	5.1	20.4	25.5	56.0	-30.5
29.526	7.0	22.4	29.4	60.0	-30.6
26.743	7.2	22.1	29.3	60.0	-30.7
21.595	7.7	21.6	29.3	60.0	-30.7

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
3.515	7.0	20.4	27.4	46.0	-18.6
4.769	6.6	20.4	27.0	46.0	-19.0
4.314	6.5	20.4	26.9	46.0	-19.1
4.694	6.3	20.4	26.7	46.0	-19.3
3.963	6.3	20.4	26.7	46.0	-19.3
26.113	8.6	22.1	30.7	50.0	-19.3
4.881	6.2	20.4	26.6	46.0	-19.4
4.019	6.1	20.4	26.5	46.0	-19.5
29.239	7.8	22.4	30.2	50.0	-19.8
29.832	7.7	22.5	30.2	50.0	-19.8
29.127	7.7	22.4	30.1	50.0	-19.9
4.556	5.6	20.4	26.0	46.0	-20.0
4.493	5.6	20.4	26.0	46.0	-20.0
4.437	5.6	20.4	26.0	46.0	-20.0
29.041	7.4	22.4	29.8	50.0	-20.2
4.519	5.4	20.4	25.8	46.0	-20.2
29.317	7.3	22.4	29.7	50.0	-20.3
29.784	7.2	22.5	29.7	50.0	-20.3
3.012	5.3	20.3	25.6	46.0	-20.4
2.892	5.3	20.3	25.6	46.0	-20.4
28.485	7.3	22.3	29.6	50.0	-20.4
26.777	7.4	22.1	29.5	50.0	-20.5
3.851	5.1	20.4	25.5	46.0	-20.5
29.526	7.0	22.4	29.4	50.0	-20.6
26.743	7.2	22.1	29.3	50.0	-20.7
21.595	7.7	21.6	29.3	50.0	-20.7

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	7	Line:	High Line	Ext. Attenuation (dB):	20

COMMENTS

None

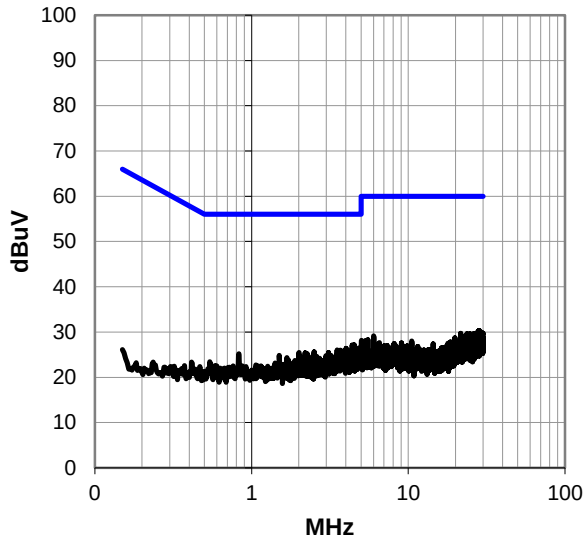
EUT OPERATING MODES

Transmitting high channel, 1Mbps

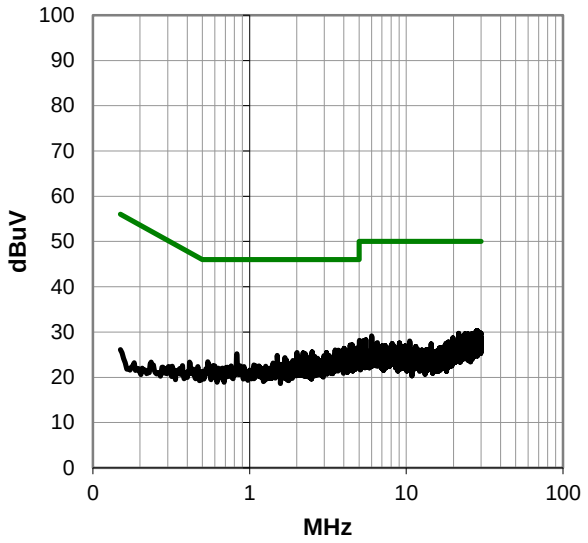
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #7

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.519	6.8	20.4	27.2	56.0	-28.8
4.392	6.7	20.4	27.1	56.0	-28.9
4.411	6.1	20.4	26.5	56.0	-29.5
4.832	6.0	20.4	26.4	56.0	-29.6
4.019	6.0	20.4	26.4	56.0	-29.6
4.948	5.9	20.5	26.4	56.0	-29.6
28.437	8.0	22.3	30.3	60.0	-29.7
28.116	8.0	22.3	30.3	60.0	-29.7
4.884	5.7	20.4	26.1	56.0	-29.9
3.511	5.7	20.4	26.1	56.0	-29.9
28.038	7.7	22.3	30.0	60.0	-30.0
3.937	5.6	20.4	26.0	56.0	-30.0
3.687	5.6	20.4	26.0	56.0	-30.0
27.683	7.7	22.2	29.9	60.0	-30.1
4.597	5.5	20.4	25.9	56.0	-30.1
4.116	5.5	20.4	25.9	56.0	-30.1
4.918	5.4	20.5	25.9	56.0	-30.1
29.504	7.4	22.4	29.8	60.0	-30.2
29.474	7.4	22.4	29.8	60.0	-30.2
28.403	7.5	22.3	29.8	60.0	-30.2
27.366	7.6	22.2	29.8	60.0	-30.2
28.922	7.4	22.4	29.8	60.0	-30.2
29.661	7.3	22.5	29.8	60.0	-30.2
29.593	7.3	22.5	29.8	60.0	-30.2
21.658	8.1	21.6	29.7	60.0	-30.3
29.993	7.2	22.5	29.7	60.0	-30.3

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.519	6.8	20.4	27.2	46.0	-18.8
4.392	6.7	20.4	27.1	46.0	-18.9
4.411	6.1	20.4	26.5	46.0	-19.5
4.832	6.0	20.4	26.4	46.0	-19.6
4.019	6.0	20.4	26.4	46.0	-19.6
4.948	5.9	20.5	26.4	46.0	-19.6
28.437	8.0	22.3	30.3	50.0	-19.7
28.116	8.0	22.3	30.3	50.0	-19.7
4.884	5.7	20.4	26.1	46.0	-19.9
3.511	5.7	20.4	26.1	46.0	-19.9
28.038	7.7	22.3	30.0	50.0	-20.0
3.937	5.6	20.4	26.0	46.0	-20.0
3.687	5.6	20.4	26.0	46.0	-20.0
27.683	7.7	22.2	29.9	50.0	-20.1
4.597	5.5	20.4	25.9	46.0	-20.1
4.116	5.5	20.4	25.9	46.0	-20.1
4.918	5.4	20.5	25.9	46.0	-20.1
29.504	7.4	22.4	29.8	50.0	-20.2
29.474	7.4	22.4	29.8	50.0	-20.2
28.403	7.5	22.3	29.8	50.0	-20.2
27.366	7.6	22.2	29.8	50.0	-20.2
28.922	7.4	22.4	29.8	50.0	-20.2
29.661	7.3	22.5	29.8	50.0	-20.2
29.593	7.3	22.5	29.8	50.0	-20.2
21.658	8.1	21.6	29.7	50.0	-20.3
29.993	7.2	22.5	29.7	50.0	-20.3

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	8	Line:	Neutral	Ext. Attenuation (dB):	20

COMMENTS

None

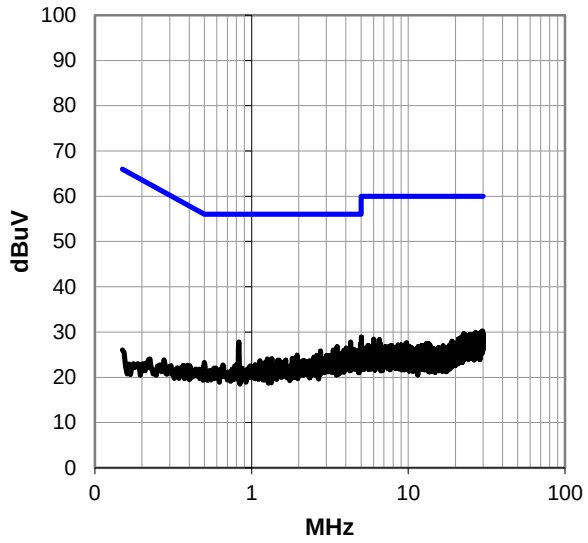
EUT OPERATING MODES

Transmitting high channel, 1Mbps

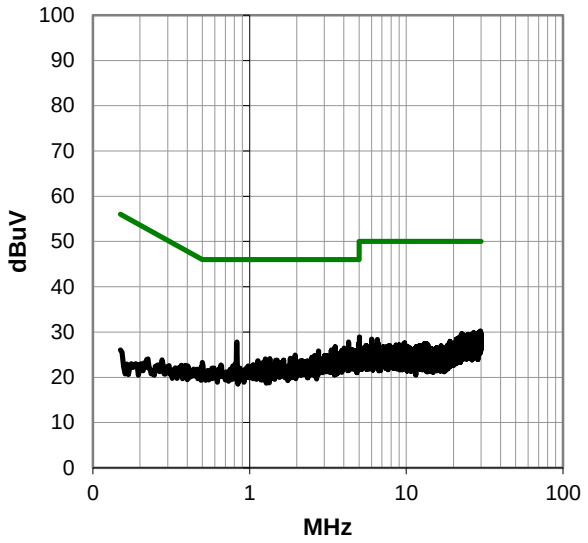
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #8

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.829	7.6	20.2	27.8	56.0	-28.2
4.295	7.4	20.4	27.8	56.0	-28.2
4.963	6.9	20.5	27.4	56.0	-28.6
3.515	6.4	20.4	26.8	56.0	-29.2
4.023	6.1	20.4	26.5	56.0	-29.5
29.813	7.7	22.5	30.2	60.0	-29.8
4.519	5.7	20.4	26.1	56.0	-29.9
4.351	5.7	20.4	26.1	56.0	-29.9
29.724	7.6	22.5	30.1	60.0	-29.9
3.317	5.7	20.3	26.0	56.0	-30.0
29.840	7.5	22.5	30.0	60.0	-30.0
4.731	5.5	20.4	25.9	56.0	-30.1
29.052	7.5	22.4	29.9	60.0	-30.1
3.885	5.5	20.4	25.9	56.0	-30.1
26.930	7.7	22.1	29.8	60.0	-30.2
2.758	5.5	20.3	25.8	56.0	-30.2
4.716	5.4	20.4	25.8	56.0	-30.2
4.571	5.4	20.4	25.8	56.0	-30.2
3.373	5.4	20.3	25.7	56.0	-30.3
29.243	7.3	22.4	29.7	60.0	-30.3
28.982	7.3	22.4	29.7	60.0	-30.3
28.959	7.3	22.4	29.7	60.0	-30.3
22.676	7.9	21.7	29.6	60.0	-30.4
4.377	5.2	20.4	25.6	56.0	-30.4
27.862	7.3	22.3	29.6	60.0	-30.4
25.810	7.5	22.0	29.5	60.0	-30.5

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.829	7.6	20.2	27.8	46.0	-18.2
4.295	7.4	20.4	27.8	46.0	-18.2
4.963	6.9	20.5	27.4	46.0	-18.6
3.515	6.4	20.4	26.8	46.0	-19.2
4.023	6.1	20.4	26.5	46.0	-19.5
29.813	7.7	22.5	30.2	50.0	-19.8
4.519	5.7	20.4	26.1	46.0	-19.9
4.351	5.7	20.4	26.1	46.0	-19.9
29.724	7.6	22.5	30.1	50.0	-19.9
3.317	5.7	20.3	26.0	46.0	-20.0
29.840	7.5	22.5	30.0	50.0	-20.0
4.731	5.5	20.4	25.9	46.0	-20.1
29.052	7.5	22.4	29.9	50.0	-20.1
3.885	5.5	20.4	25.9	46.0	-20.1
26.930	7.7	22.1	29.8	50.0	-20.2
2.758	5.5	20.3	25.8	46.0	-20.2
4.716	5.4	20.4	25.8	46.0	-20.2
4.571	5.4	20.4	25.8	46.0	-20.2
3.373	5.4	20.3	25.7	46.0	-20.3
29.243	7.3	22.4	29.7	50.0	-20.3
28.982	7.3	22.4	29.7	50.0	-20.3
28.959	7.3	22.4	29.7	50.0	-20.3
22.676	7.9	21.7	29.6	50.0	-20.4
4.377	5.2	20.4	25.6	46.0	-20.4
27.862	7.3	22.3	29.6	50.0	-20.4
25.810	7.5	22.0	29.5	50.0	-20.5

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	9	Line:	Neutral	Ext. Attenuation (dB):	20

COMMENTS

None

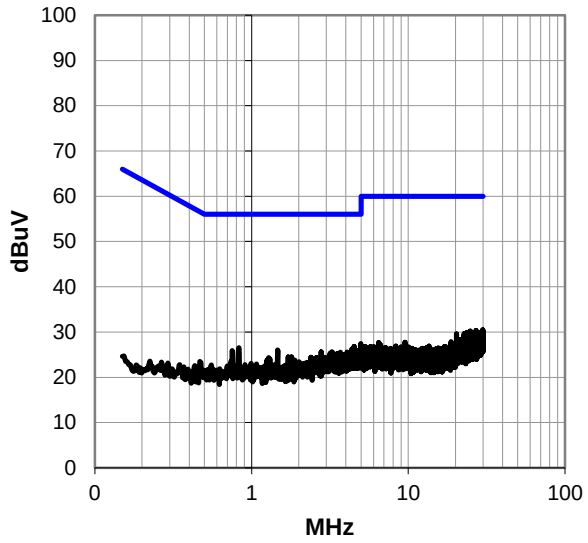
EUT OPERATING MODES

Receiving low channel, 1Mbps

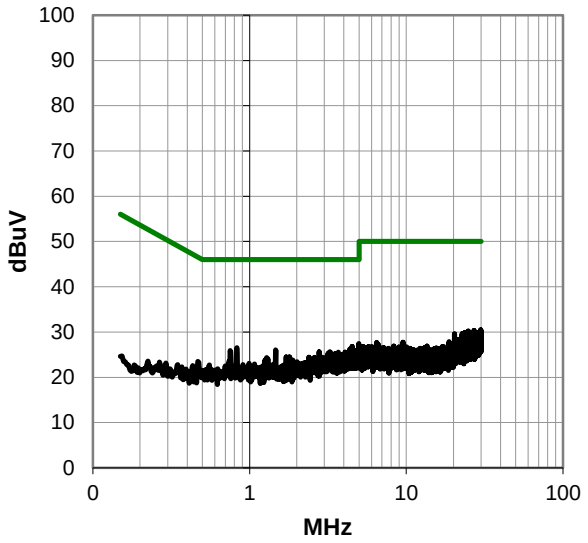
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #9

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.974	7.0	20.5	27.5	56.0	-28.5
4.519	6.4	20.4	26.8	56.0	-29.2
0.829	6.3	20.2	26.5	56.0	-29.5
29.933	8.0	22.5	30.5	60.0	-29.5
27.079	8.2	22.2	30.4	60.0	-29.6
29.903	7.8	22.5	30.3	60.0	-29.7
24.855	8.3	21.9	30.2	60.0	-29.8
4.362	5.8	20.4	26.2	56.0	-29.8
4.593	5.7	20.4	26.1	56.0	-29.9
1.467	5.8	20.2	26.0	56.0	-30.0
4.907	5.5	20.5	26.0	56.0	-30.0
23.699	8.1	21.8	29.9	60.0	-30.1
28.284	7.6	22.3	29.9	60.0	-30.1
0.751	5.7	20.2	25.9	56.0	-30.1
4.728	5.4	20.4	25.8	56.0	-30.2
28.321	7.5	22.3	29.8	60.0	-30.2
4.463	5.4	20.4	25.8	56.0	-30.2
3.254	5.3	20.3	25.6	56.0	-30.4
2.780	5.3	20.3	25.6	56.0	-30.4
22.770	7.9	21.7	29.6	60.0	-30.4
25.728	7.6	22.0	29.6	60.0	-30.4
20.363	8.1	21.5	29.6	60.0	-30.4
4.071	5.2	20.4	25.6	56.0	-30.4
3.694	5.2	20.4	25.6	56.0	-30.4
3.273	5.2	20.3	25.5	56.0	-30.5
28.493	7.2	22.3	29.5	60.0	-30.5

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.974	7.0	20.5	27.5	46.0	-18.5
4.519	6.4	20.4	26.8	46.0	-19.2
0.829	6.3	20.2	26.5	46.0	-19.5
29.933	8.0	22.5	30.5	50.0	-19.5
27.079	8.2	22.2	30.4	50.0	-19.6
29.903	7.8	22.5	30.3	50.0	-19.7
24.855	8.3	21.9	30.2	50.0	-19.8
4.362	5.8	20.4	26.2	46.0	-19.8
4.593	5.7	20.4	26.1	46.0	-19.9
1.467	5.8	20.2	26.0	46.0	-20.0
4.907	5.5	20.5	26.0	46.0	-20.0
23.699	8.1	21.8	29.9	50.0	-20.1
28.284	7.6	22.3	29.9	50.0	-20.1
0.751	5.7	20.2	25.9	46.0	-20.1
4.728	5.4	20.4	25.8	46.0	-20.2
28.321	7.5	22.3	29.8	50.0	-20.2
4.463	5.4	20.4	25.8	46.0	-20.2
3.254	5.3	20.3	25.6	46.0	-20.4
2.780	5.3	20.3	25.6	46.0	-20.4
22.770	7.9	21.7	29.6	50.0	-20.4
25.728	7.6	22.0	29.6	50.0	-20.4
20.363	8.1	21.5	29.6	50.0	-20.4
4.071	5.2	20.4	25.6	46.0	-20.4
3.694	5.2	20.4	25.6	46.0	-20.4
3.273	5.2	20.3	25.5	46.0	-20.5
28.493	7.2	22.3	29.5	50.0	-20.5

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	10	Line:	High Line	Ext. Attenuation (dB):	20

COMMENTS

None

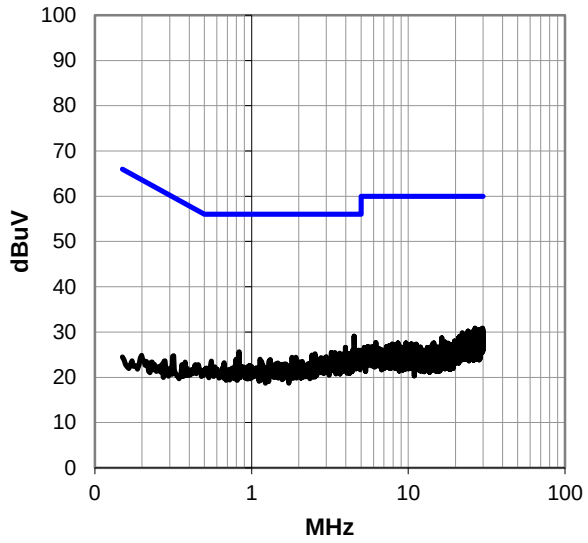
EUT OPERATING MODES

Receiving low channel, 1Mbps

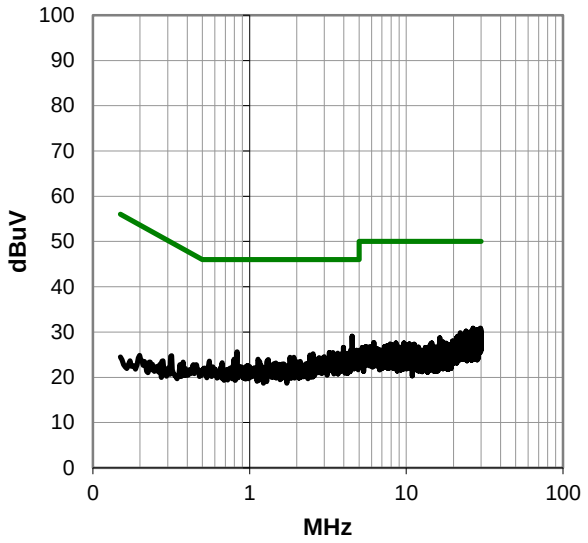
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #10

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.519	8.7	20.4	29.1	56.0	-26.9
29.728	8.4	22.5	30.9	60.0	-29.1
26.650	8.7	22.1	30.8	60.0	-29.2
29.922	8.2	22.5	30.7	60.0	-29.3
3.974	6.2	20.4	26.6	56.0	-29.4
28.526	8.2	22.3	30.5	60.0	-29.5
28.217	8.2	22.3	30.5	60.0	-29.5
24.034	8.4	21.8	30.2	60.0	-29.8
29.045	7.8	22.4	30.2	60.0	-29.8
29.825	7.6	22.5	30.1	60.0	-29.9
4.403	5.6	20.4	26.0	56.0	-30.0
25.493	8.0	22.0	30.0	60.0	-30.0
29.444	7.5	22.4	29.9	60.0	-30.1
4.813	5.5	20.4	25.9	56.0	-30.1
28.373	7.6	22.3	29.9	60.0	-30.1
24.561	8.0	21.9	29.9	60.0	-30.1
22.177	8.2	21.7	29.9	60.0	-30.1
29.269	7.3	22.4	29.7	60.0	-30.3
25.053	7.7	21.9	29.6	60.0	-30.4
0.829	5.4	20.2	25.6	56.0	-30.4
4.455	5.2	20.4	25.6	56.0	-30.4
23.423	7.7	21.8	29.5	60.0	-30.5
3.400	5.1	20.3	25.4	56.0	-30.6
3.232	5.1	20.3	25.4	56.0	-30.6
29.470	7.0	22.4	29.4	60.0	-30.6
22.822	7.7	21.7	29.4	60.0	-30.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.519	8.7	20.4	29.1	46.0	-16.9
29.728	8.4	22.5	30.9	50.0	-19.1
26.650	8.7	22.1	30.8	50.0	-19.2
29.922	8.2	22.5	30.7	50.0	-19.3
3.974	6.2	20.4	26.6	46.0	-19.4
28.526	8.2	22.3	30.5	50.0	-19.5
28.217	8.2	22.3	30.5	50.0	-19.5
24.034	8.4	21.8	30.2	50.0	-19.8
29.045	7.8	22.4	30.2	50.0	-19.8
29.825	7.6	22.5	30.1	50.0	-19.9
4.403	5.6	20.4	26.0	46.0	-20.0
25.493	8.0	22.0	30.0	50.0	-20.0
29.444	7.5	22.4	29.9	50.0	-20.1
4.813	5.5	20.4	25.9	46.0	-20.1
28.373	7.6	22.3	29.9	50.0	-20.1
24.561	8.0	21.9	29.9	50.0	-20.1
22.177	8.2	21.7	29.9	50.0	-20.1
29.269	7.3	22.4	29.7	50.0	-20.3
25.053	7.7	21.9	29.6	50.0	-20.4
0.829	5.4	20.2	25.6	46.0	-20.4
4.455	5.2	20.4	25.6	46.0	-20.4
23.423	7.7	21.8	29.5	50.0	-20.5
3.400	5.1	20.3	25.4	46.0	-20.6
3.232	5.1	20.3	25.4	46.0	-20.6
29.470	7.0	22.4	29.4	50.0	-20.6
22.822	7.7	21.7	29.4	50.0	-20.6

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	11	Line:	High Line	Ext. Attenuation (dB):	20

COMMENTS

None

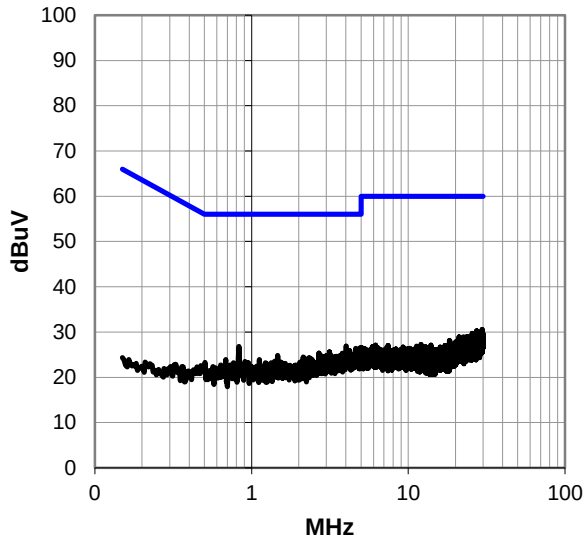
EUT OPERATING MODES

Receiving mid channel, 1Mbps

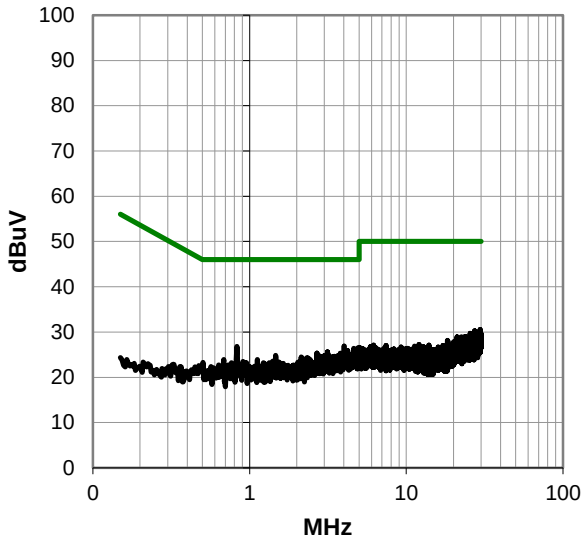
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #11

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.019	6.5	20.4	26.9	56.0	-29.1
0.829	6.6	20.2	26.8	56.0	-29.2
29.597	8.1	22.5	30.6	60.0	-29.4
4.881	6.0	20.4	26.4	56.0	-29.6
4.612	6.0	20.4	26.4	56.0	-29.6
4.896	5.9	20.4	26.3	56.0	-29.7
27.329	8.1	22.2	30.3	60.0	-29.7
29.500	7.7	22.4	30.1	60.0	-29.9
28.041	7.7	22.3	30.0	60.0	-30.0
28.370	7.6	22.3	29.9	60.0	-30.1
28.989	7.5	22.4	29.9	60.0	-30.1
4.231	5.5	20.4	25.9	56.0	-30.1
29.758	7.4	22.5	29.9	60.0	-30.1
29.922	7.3	22.5	29.8	60.0	-30.2
28.157	7.5	22.3	29.8	60.0	-30.2
4.649	5.3	20.4	25.7	56.0	-30.3
25.654	7.7	22.0	29.7	60.0	-30.3
29.862	7.2	22.5	29.7	60.0	-30.3
26.889	7.5	22.1	29.6	60.0	-30.4
3.142	5.3	20.3	25.6	56.0	-30.4
4.679	5.1	20.4	25.5	56.0	-30.5
26.049	7.4	22.0	29.4	60.0	-30.6
26.810	7.3	22.1	29.4	60.0	-30.6
28.086	7.1	22.3	29.4	60.0	-30.6
4.075	5.0	20.4	25.4	56.0	-30.6
3.817	5.0	20.4	25.4	56.0	-30.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.019	6.5	20.4	26.9	46.0	-19.1
0.829	6.6	20.2	26.8	46.0	-19.2
29.597	8.1	22.5	30.6	50.0	-19.4
4.881	6.0	20.4	26.4	46.0	-19.6
4.612	6.0	20.4	26.4	46.0	-19.6
4.896	5.9	20.4	26.3	46.0	-19.7
27.329	8.1	22.2	30.3	50.0	-19.7
29.500	7.7	22.4	30.1	50.0	-19.9
28.041	7.7	22.3	30.0	50.0	-20.0
28.370	7.6	22.3	29.9	50.0	-20.1
28.989	7.5	22.4	29.9	50.0	-20.1
4.231	5.5	20.4	25.9	46.0	-20.1
29.758	7.4	22.5	29.9	50.0	-20.1
29.922	7.3	22.5	29.8	50.0	-20.2
28.157	7.5	22.3	29.8	50.0	-20.2
4.649	5.3	20.4	25.7	46.0	-20.3
25.654	7.7	22.0	29.7	50.0	-20.3
29.862	7.2	22.5	29.7	50.0	-20.3
26.889	7.5	22.1	29.6	50.0	-20.4
3.142	5.3	20.3	25.6	46.0	-20.4
4.679	5.1	20.4	25.5	46.0	-20.5
26.049	7.4	22.0	29.4	50.0	-20.6
26.810	7.3	22.1	29.4	50.0	-20.6
28.086	7.1	22.3	29.4	50.0	-20.6
4.075	5.0	20.4	25.4	46.0	-20.6
3.817	5.0	20.4	25.4	46.0	-20.6

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	12	Line:	Neutral	Ext. Attenuation (dB):	20

COMMENTS

None

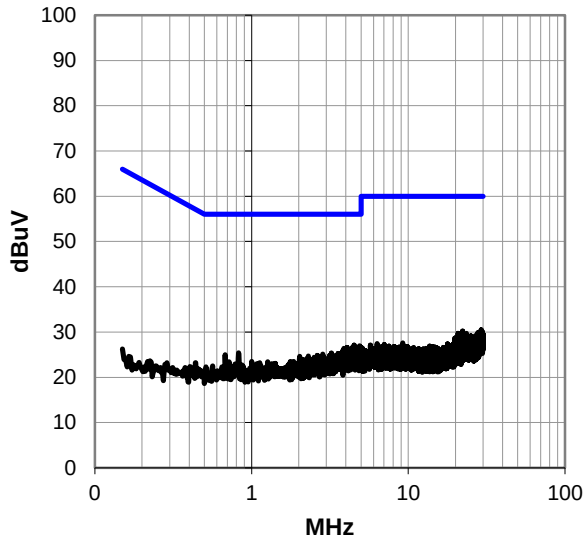
EUT OPERATING MODES

Receiving mid channel, 1Mbps

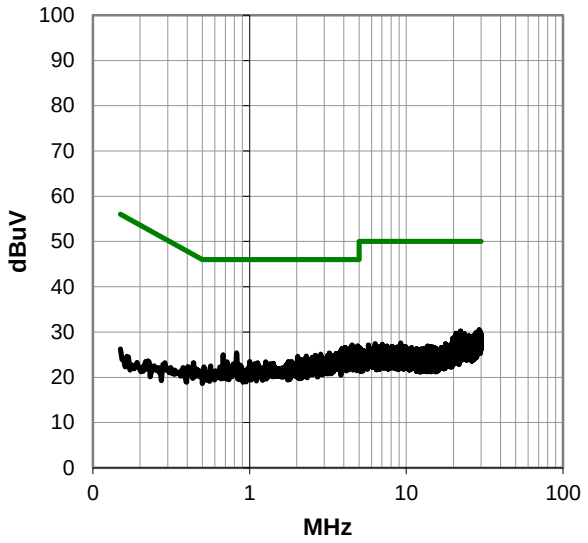
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #12

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.508	6.7	20.4	27.1	56.0	-28.9
4.884	6.5	20.4	26.9	56.0	-29.1
4.933	6.3	20.5	26.8	56.0	-29.2
4.425	6.3	20.4	26.7	56.0	-29.3
4.075	6.2	20.4	26.6	56.0	-29.4
29.209	8.1	22.4	30.5	60.0	-29.5
4.545	6.1	20.4	26.5	56.0	-29.5
3.877	6.0	20.4	26.4	56.0	-29.6
22.210	8.5	21.7	30.2	60.0	-29.8
29.601	7.7	22.5	30.2	60.0	-29.8
27.918	7.6	22.3	29.9	60.0	-30.1
4.720	5.4	20.4	25.8	56.0	-30.2
28.120	7.5	22.3	29.8	60.0	-30.2
3.806	5.4	20.4	25.8	56.0	-30.2
29.634	7.3	22.5	29.8	60.0	-30.2
20.778	8.2	21.5	29.7	60.0	-30.3
29.093	7.3	22.4	29.7	60.0	-30.3
29.929	7.2	22.5	29.7	60.0	-30.3
23.467	7.9	21.8	29.7	60.0	-30.3
28.754	7.3	22.4	29.7	60.0	-30.3
29.026	7.2	22.4	29.6	60.0	-30.4
28.541	7.2	22.3	29.5	60.0	-30.5
29.765	7.0	22.5	29.5	60.0	-30.5
29.515	7.0	22.4	29.4	60.0	-30.6
4.649	5.0	20.4	25.4	56.0	-30.6
0.825	5.2	20.2	25.4	56.0	-30.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.508	6.7	20.4	27.1	46.0	-18.9
4.884	6.5	20.4	26.9	46.0	-19.1
4.933	6.3	20.5	26.8	46.0	-19.2
4.425	6.3	20.4	26.7	46.0	-19.3
4.075	6.2	20.4	26.6	46.0	-19.4
29.209	8.1	22.4	30.5	50.0	-19.5
4.545	6.1	20.4	26.5	46.0	-19.5
3.877	6.0	20.4	26.4	46.0	-19.6
22.210	8.5	21.7	30.2	50.0	-19.8
29.601	7.7	22.5	30.2	50.0	-19.8
27.918	7.6	22.3	29.9	50.0	-20.1
4.720	5.4	20.4	25.8	46.0	-20.2
28.120	7.5	22.3	29.8	50.0	-20.2
3.806	5.4	20.4	25.8	46.0	-20.2
29.634	7.3	22.5	29.8	50.0	-20.2
20.778	8.2	21.5	29.7	50.0	-20.3
29.093	7.3	22.4	29.7	50.0	-20.3
29.929	7.2	22.5	29.7	50.0	-20.3
23.467	7.9	21.8	29.7	50.0	-20.3
28.754	7.3	22.4	29.7	50.0	-20.3
29.026	7.2	22.4	29.6	50.0	-20.4
28.541	7.2	22.3	29.5	50.0	-20.5
29.765	7.0	22.5	29.5	50.0	-20.5
29.515	7.0	22.4	29.4	50.0	-20.6
4.649	5.0	20.4	25.4	46.0	-20.6
0.825	5.2	20.2	25.4	46.0	-20.6

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	13	Line:	Neutral	Ext. Attenuation (dB):	20

COMMENTS

None

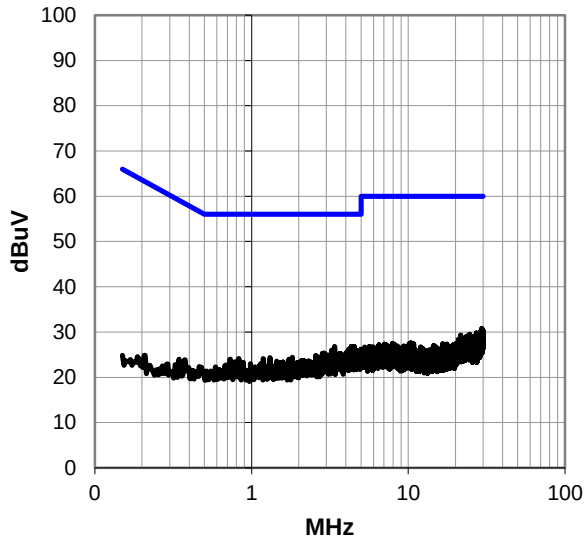
EUT OPERATING MODES

Receiving High channel, 1Mbps

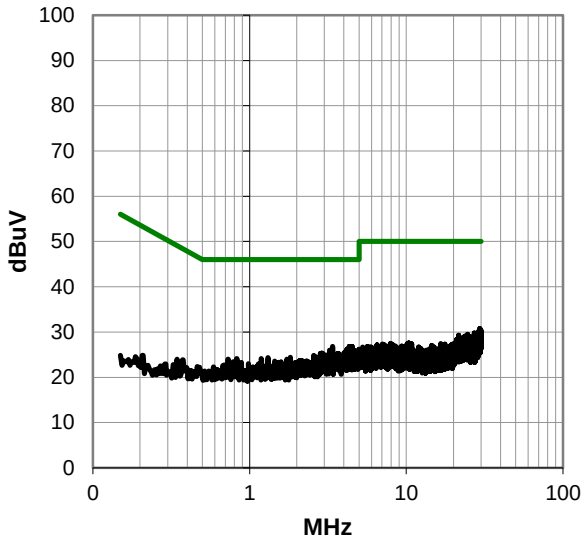
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #13

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
3.396	6.5	20.3	26.8	56.0	-29.2
4.519	6.4	20.4	26.8	56.0	-29.2
4.332	6.4	20.4	26.8	56.0	-29.2
29.444	8.3	22.4	30.7	60.0	-29.3
29.627	8.2	22.5	30.7	60.0	-29.3
29.675	8.0	22.5	30.5	60.0	-29.5
29.273	8.0	22.4	30.4	60.0	-29.6
29.989	7.8	22.5	30.3	60.0	-29.7
4.190	5.8	20.4	26.2	56.0	-29.8
29.851	7.5	22.5	30.0	60.0	-30.0
3.250	5.6	20.3	25.9	56.0	-30.1
4.675	5.5	20.4	25.9	56.0	-30.1
4.142	5.5	20.4	25.9	56.0	-30.1
28.825	7.5	22.4	29.9	60.0	-30.1
4.806	5.4	20.4	25.8	56.0	-30.2
29.399	7.4	22.4	29.8	60.0	-30.2
27.194	7.6	22.2	29.8	60.0	-30.2
29.575	7.3	22.5	29.8	60.0	-30.2
4.888	5.3	20.4	25.7	56.0	-30.3
4.855	5.3	20.4	25.7	56.0	-30.3
4.590	5.3	20.4	25.7	56.0	-30.3
28.370	7.3	22.3	29.6	60.0	-30.4
4.217	5.2	20.4	25.6	56.0	-30.4
24.658	7.6	21.9	29.5	60.0	-30.5
29.519	7.0	22.4	29.4	60.0	-30.6
28.157	7.1	22.3	29.4	60.0	-30.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
3.396	6.5	20.3	26.8	46.0	-19.2
4.519	6.4	20.4	26.8	46.0	-19.2
4.332	6.4	20.4	26.8	46.0	-19.2
29.444	8.3	22.4	30.7	50.0	-19.3
29.627	8.2	22.5	30.7	50.0	-19.3
29.675	8.0	22.5	30.5	50.0	-19.5
29.273	8.0	22.4	30.4	50.0	-19.6
29.989	7.8	22.5	30.3	50.0	-19.7
4.190	5.8	20.4	26.2	46.0	-19.8
29.851	7.5	22.5	30.0	50.0	-20.0
3.250	5.6	20.3	25.9	46.0	-20.1
4.675	5.5	20.4	25.9	46.0	-20.1
4.142	5.5	20.4	25.9	46.0	-20.1
28.825	7.5	22.4	29.9	50.0	-20.1
4.806	5.4	20.4	25.8	46.0	-20.2
29.399	7.4	22.4	29.8	50.0	-20.2
27.194	7.6	22.2	29.8	50.0	-20.2
29.575	7.3	22.5	29.8	50.0	-20.2
4.888	5.3	20.4	25.7	46.0	-20.3
4.855	5.3	20.4	25.7	46.0	-20.3
4.590	5.3	20.4	25.7	46.0	-20.3
28.370	7.3	22.3	29.6	50.0	-20.4
4.217	5.2	20.4	25.6	46.0	-20.4
24.658	7.6	21.9	29.5	50.0	-20.5
29.519	7.0	22.4	29.4	50.0	-20.6
28.157	7.1	22.3	29.4	50.0	-20.6

CONCLUSION

Pass

Tested By

POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC
WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

EUT:	TH6320WF02	Work Order:	HNYW0120
Serial Number:	None	Date:	12/11/2014
Customer:	Honeywell, Automation and Control Solutions	Temperature:	22.9°C
Attendees:	None	Relative Humidity:	21.3%
Customer Project:	None	Bar. Pressure:	1001 mb
Tested By:	Johnathan Lee	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	HNYW0120-1

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

TEST PARAMETERS

Run #:	14	Line:	High Line	Ext. Attenuation (dB):	20

COMMENTS

None

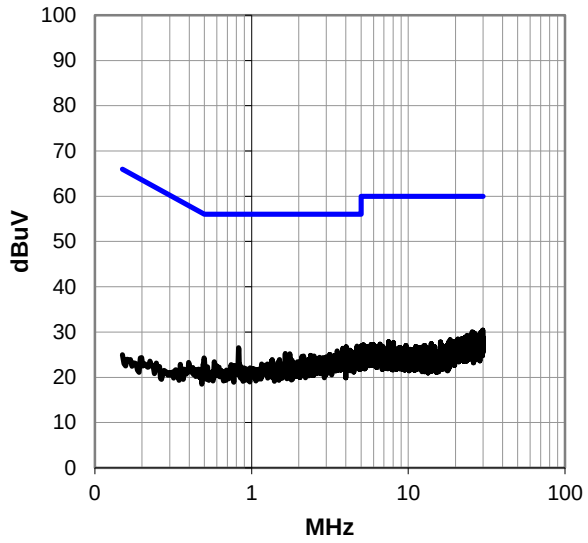
EUT OPERATING MODES

Receiving High channel, 1Mbps

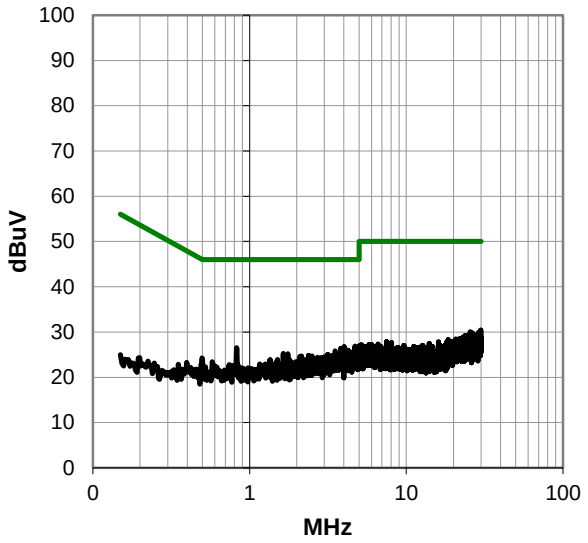
DEVIATIONS FROM TEST STANDARD

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

NORTHWEST EMC

WTD.2014.10.14
PSA-ESCI 2014.09.10, EmiR5 2014.11.10

RESULTS - Run #14

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.716	6.5	20.4	26.9	56.0	-29.1
4.019	6.4	20.4	26.8	56.0	-29.2
0.825	6.3	20.2	26.5	56.0	-29.5
29.873	7.9	22.5	30.4	60.0	-29.6
3.825	6.0	20.4	26.4	56.0	-29.6
25.542	8.1	22.0	30.1	60.0	-29.9
29.769	7.6	22.5	30.1	60.0	-29.9
4.246	5.6	20.4	26.0	56.0	-30.0
25.993	7.9	22.0	29.9	60.0	-30.1
29.037	7.5	22.4	29.9	60.0	-30.1
3.523	5.5	20.4	25.9	56.0	-30.1
4.679	5.4	20.4	25.8	56.0	-30.2
25.945	7.7	22.0	29.7	60.0	-30.3
26.687	7.5	22.1	29.6	60.0	-30.4
4.362	5.2	20.4	25.6	56.0	-30.4
29.019	7.0	22.4	29.4	60.0	-30.6
4.571	5.0	20.4	25.4	56.0	-30.6
25.512	7.4	22.0	29.4	60.0	-30.6
29.519	6.9	22.4	29.3	60.0	-30.7
25.922	7.3	22.0	29.3	60.0	-30.7
1.639	5.0	20.3	25.3	56.0	-30.7
29.672	6.8	22.5	29.3	60.0	-30.7
28.627	6.9	22.3	29.2	60.0	-30.8
23.714	7.4	21.8	29.2	60.0	-30.8
27.314	7.0	22.2	29.2	60.0	-30.8
1.758	4.9	20.3	25.2	56.0	-30.8

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
4.716	6.5	20.4	26.9	46.0	-19.1
4.019	6.4	20.4	26.8	46.0	-19.2
0.825	6.3	20.2	26.5	46.0	-19.5
29.873	7.9	22.5	30.4	50.0	-19.6
3.825	6.0	20.4	26.4	46.0	-19.6
25.542	8.1	22.0	30.1	50.0	-19.9
29.769	7.6	22.5	30.1	50.0	-19.9
4.246	5.6	20.4	26.0	46.0	-20.0
25.993	7.9	22.0	29.9	50.0	-20.1
29.037	7.5	22.4	29.9	50.0	-20.1
3.523	5.5	20.4	25.9	46.0	-20.1
4.679	5.4	20.4	25.8	46.0	-20.2
25.945	7.7	22.0	29.7	50.0	-20.3
26.687	7.5	22.1	29.6	50.0	-20.4
4.362	5.2	20.4	25.6	46.0	-20.4
29.019	7.0	22.4	29.4	50.0	-20.6
4.571	5.0	20.4	25.4	46.0	-20.6
25.512	7.4	22.0	29.4	50.0	-20.6
29.519	6.9	22.4	29.3	50.0	-20.7
25.922	7.3	22.0	29.3	50.0	-20.7
1.639	5.0	20.3	25.3	46.0	-20.7
29.672	6.8	22.5	29.3	50.0	-20.7
28.627	6.9	22.3	29.2	50.0	-20.8
23.714	7.4	21.8	29.2	50.0	-20.8
27.314	7.0	22.2	29.2	50.0	-20.8
1.758	4.9	20.3	25.2	46.0	-20.8

CONCLUSION

Pass

Tested By

DUTY CYCLE

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
MN08 Direct Connect Cable	ESM Cable Corp.	TTBJ141 KMKM-72	MNU	10/2/2014	12
Attenuator - 20db, 'SMA'	SM Electronics	SA26B-20	RFW	4/3/2014	12
40 GHz DC Block	Fairview Microwave	SD3379	AMI	10/2/2014	12
MXG Vector Signal Generator	Agilent	N5182A	TIF	8/12/2014	36
Spectrum Analyzer	Agilent	E4440A	AAX	4/28/2014	12

TEST DESCRIPTION

The Duty Cycle (x) of the single channel operation of the radio as controlled by the provided test software was measured for each of the EUT operating modes.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used.

The duty cycle was calculated by dividing the transmission pulse duration (T) by the total period of a single on and total off time.

If the transmit duty cycle < 98 percent, burst gating was used during some of the other tests in this report to only measure during the burst duration.

DUTY CYCLE

EUT:	TH6320WF02			**Work Order:**	HNYW0120
Serial Number:	71630010589274			**Date:**	12/11/14
Customer:	Honeywell, Automation and Control Solutions			**Temperature:**	23.5°C
Attendees:	None			**Humidity:**	21%
Project:	None			**Barometric Pres.:**	1026.4
Tested by:	Trevor Buls	**Power:**	110VAC/60Hz	**Job Site:**	MN08

TEST SPECIFICATIONS	Test Method
FCC 15.247:2014	ANSI C63.10:2009

COMMENTS

None

DEVIATIONS FROM TEST STANDARD

None

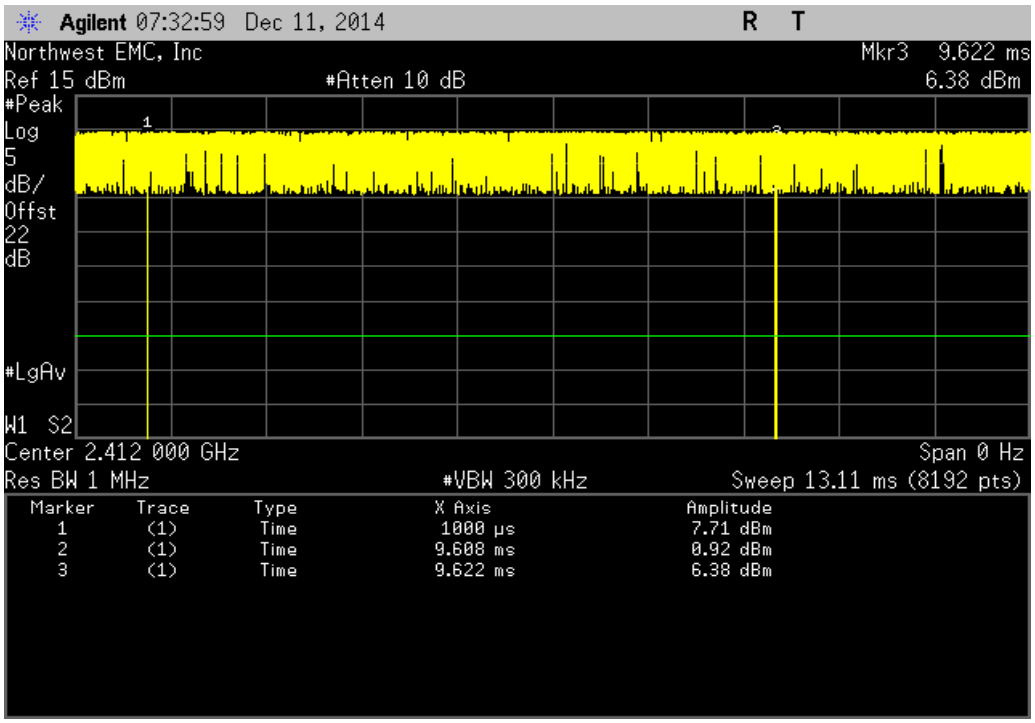
Configuration #	2	Signature	Trevor Buls

		Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
Antenna 0							
	802.11(b) 1 Mbps						
	Low Channel 1, 2412 MHz	8.608 ms	8.622 ms	1	99.8	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	8.608 ms	8.622 ms	1	99.8	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	8.608 ms	8.624 ms	1	99.8	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
	802.11(b) 11 Mbps						
	Low Channel 1, 2412 MHz	958.1 us	972.4 us	1	98.5	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	957.7 us	972.4 us	1	98.5	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	957.7 us	972.4 us	1	98.5	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
	802.11(g) 6 Mbps						
	Low Channel 1, 2412 MHz	1.421 ms	1.448 ms	1	98.1	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	1.421 ms	1.448 ms	1	98.1	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	1.421 ms	1.449 ms	1	98.1	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
	802.11(g) 36 Mbps						
	Low Channel 1, 2412 MHz	248.8 us	276.4 us	1	90	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	248.8 us	276.2 us	1	90.1	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A
	High Channel 11, 2462 MHz	248.6 us	276.2 us	1	90	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
	802.11(g) 54 Mbps						
	Low Channel 1, 2412 MHz	172.6 us	200.2 us	1	86.2	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	172.9 us	200.2 us	1	86.4	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A
	High Channel 11, 2462 MHz	172.6 us	200.2 us	1	86.2	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
	802.11(n) MCS0						
	Low Channel 1, 2412 MHz	1.329 ms	1.356 ms	1	98	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	1.329 ms	1.356 ms	1	98	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	1.329 ms	1.357 ms	1	98	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
	802.11(n) MCS7						
	Low Channel 1, 2412 MHz	160.9 us	188.5 us	1	85.4	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	160.6 us	188.2 us	1	85.3	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	160.6 us	188.2 us	1	85.3	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A
Antenna 1							
	802.11(b) 1 Mbps						
	Low Channel 1, 2412 MHz	8.608 ms	8.622 ms	1	99.8	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	8.608 ms	8.622 ms	1	99.8	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	8.61 ms	8.622 ms	1	99.9	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
	802.11(b) 11 Mbps						
	Low Channel 1, 2412 MHz	957.7 us	972.4 us	1	98.5	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	957.8 us	972.1 us	1	98.5	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	957.7 us	972.4 us	1	98.5	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
	802.11(g) 6 Mbps						
	Low Channel 1, 2412 MHz	1.421 ms	1.449 ms	1	98.1	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	1.421 ms	1.448 ms	1	98.1	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
	High Channel 11, 2462 MHz	1.421 ms	1.449 ms	1	98.1	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
	802.11(g) 36 Mbps						
	Low Channel 1, 2412 MHz	248.8 us	276.4 us	1	90	N/A	N/A
	Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	248.6 us	276.4 us	1	89.9	N/A	N/A
	Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A
	High Channel 11, 2462 MHz	248.8 us	276.4 us	1	90	N/A	N/A
	High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A

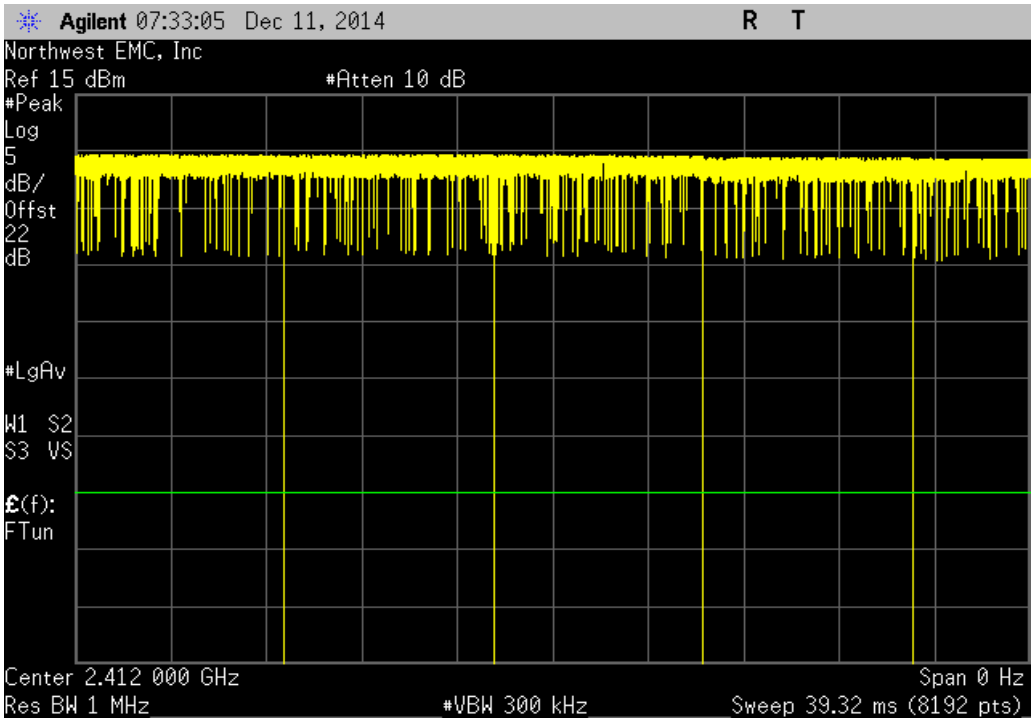
802.11(g) 54 Mbps						
Low Channel 1, 2412 MHz	172.9 us	200.2 us	1	86.4	N/A	N/A
Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
Mid Channel 6, 2437 MHz	172.6 us	200.5 us	1	86.1	N/A	N/A
Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 11, 2462 MHz	172.6 us	200.2 us	1	86.2	N/A	N/A
High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
802.11(n) MCS0						
Low Channel 1, 2412 MHz	1.329 ms	1.356 ms	1	98	N/A	N/A
Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
Mid Channel 6, 2437 MHz	1.329 ms	1.356 ms	1	98	N/A	N/A
Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 11, 2462 MHz	1.329 ms	1.357 ms	1	98	N/A	N/A
High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
802.11(n) MCS7						
Low Channel 1, 2412 MHz	160.7 us	188.5 us	1	85.3	N/A	N/A
Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A
Mid Channel 6, 2437 MHz	160.7 us	188.5 us	1	85.3	N/A	N/A
Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A
High Channel 11, 2462 MHz	160.9 us	188.5 us	1	85.4	N/A	N/A
High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A

DUTY CYCLE

Antenna 0, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	8.608 ms	8.622 ms	1	99.8	N/A	N/A

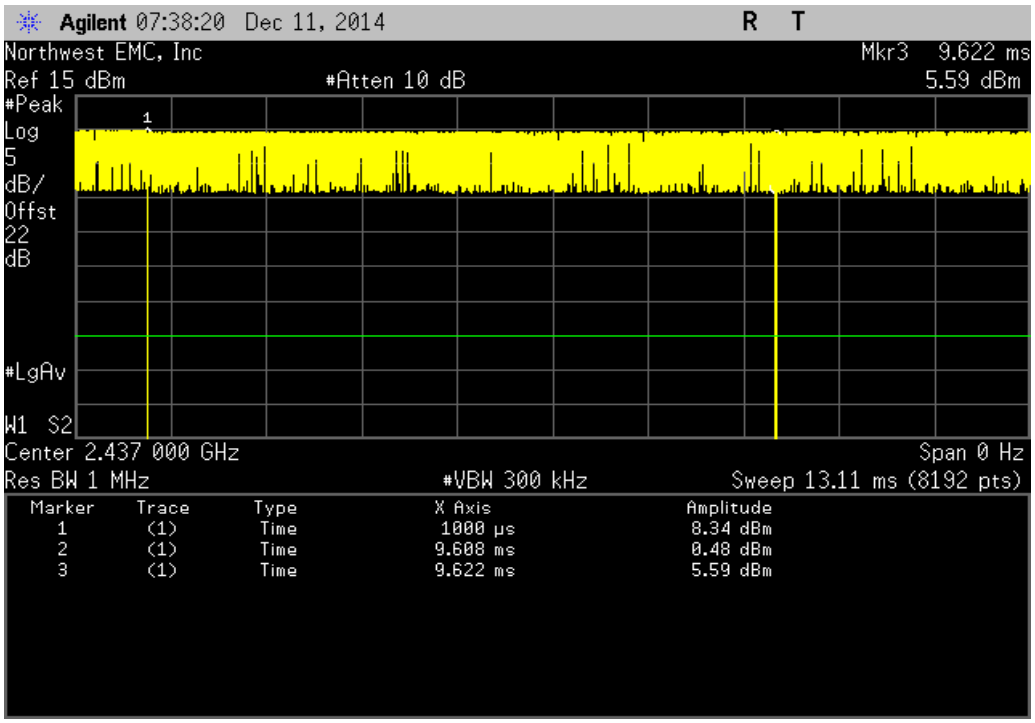


Antenna 0, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

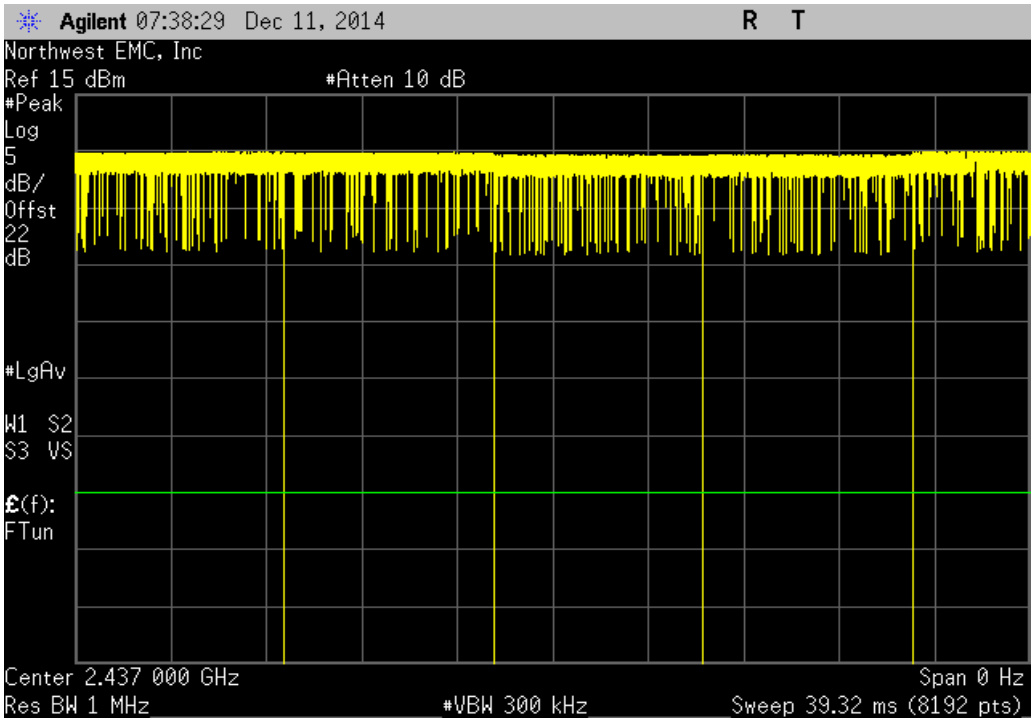


DUTY CYCLE

Antenna 0, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	8.608 ms	8.622 ms	1	99.8	N/A	N/A

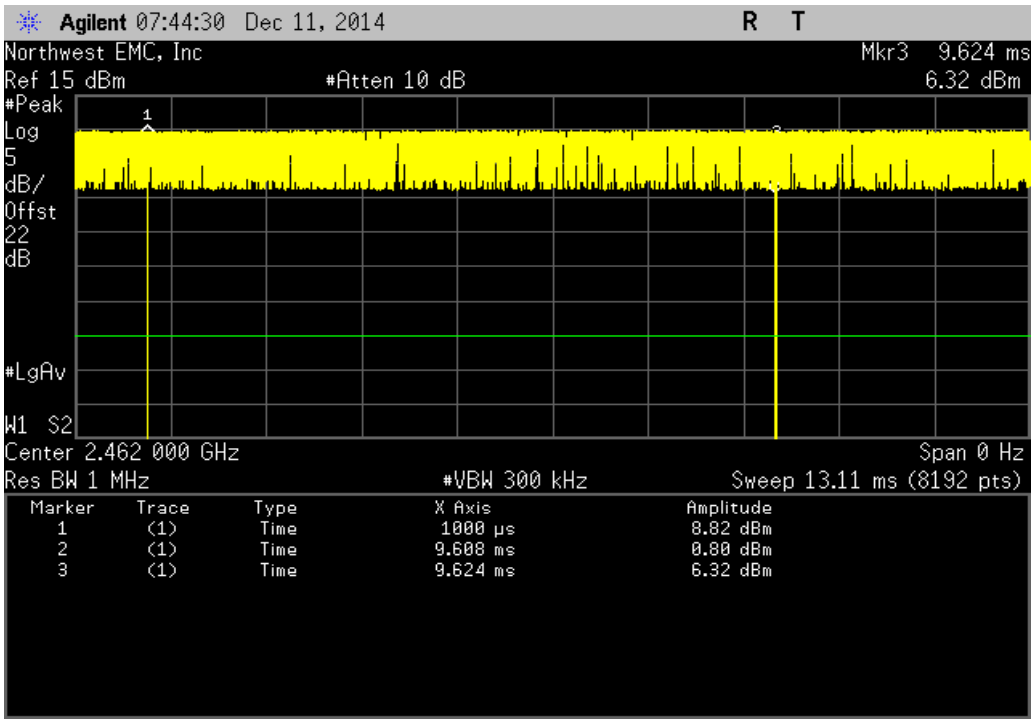


Antenna 0, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

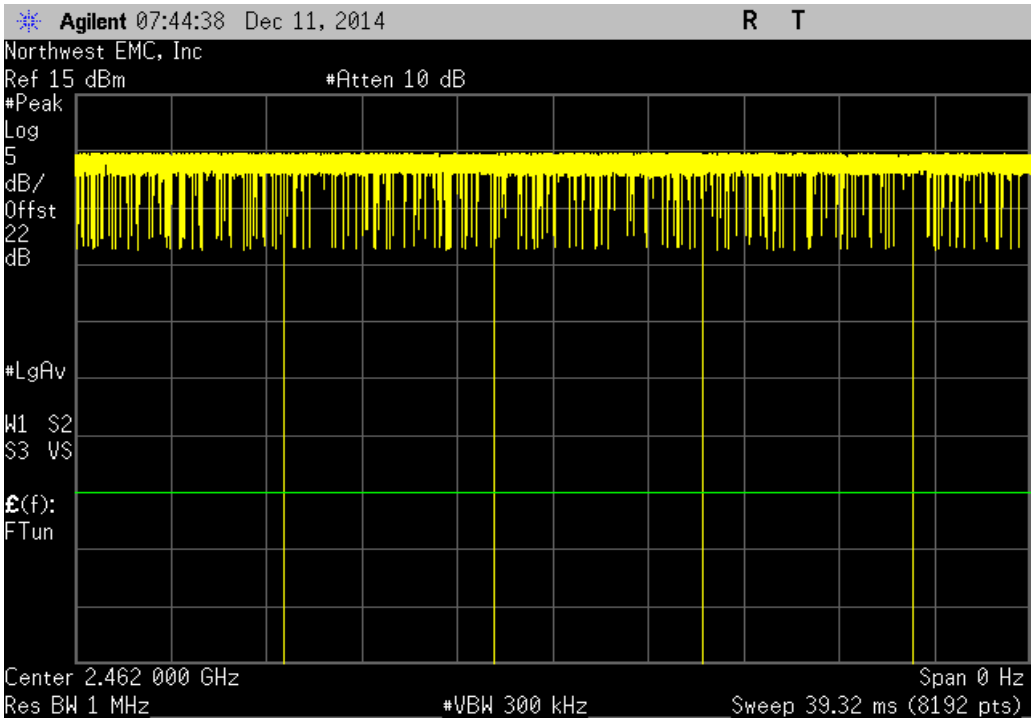


DUTY CYCLE

Antenna 0, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	8.608 ms	8.624 ms	1	99.8	N/A	N/A

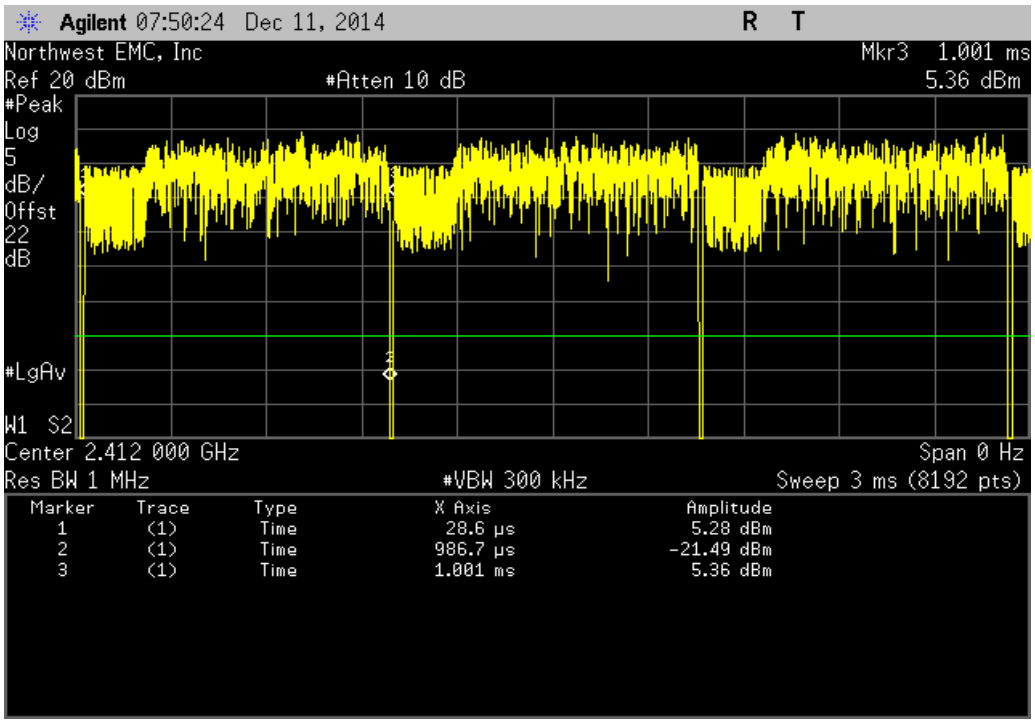


Antenna 0, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

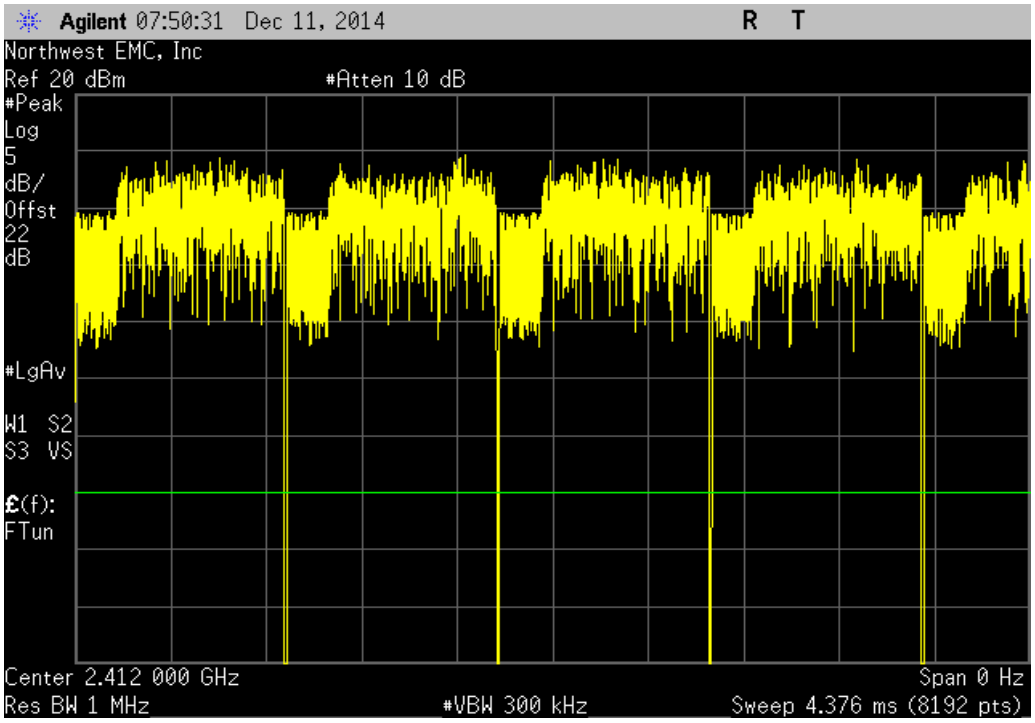


DUTY CYCLE

Antenna 0, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	958.1 us	972.4 us	1	98.5	N/A	N/A

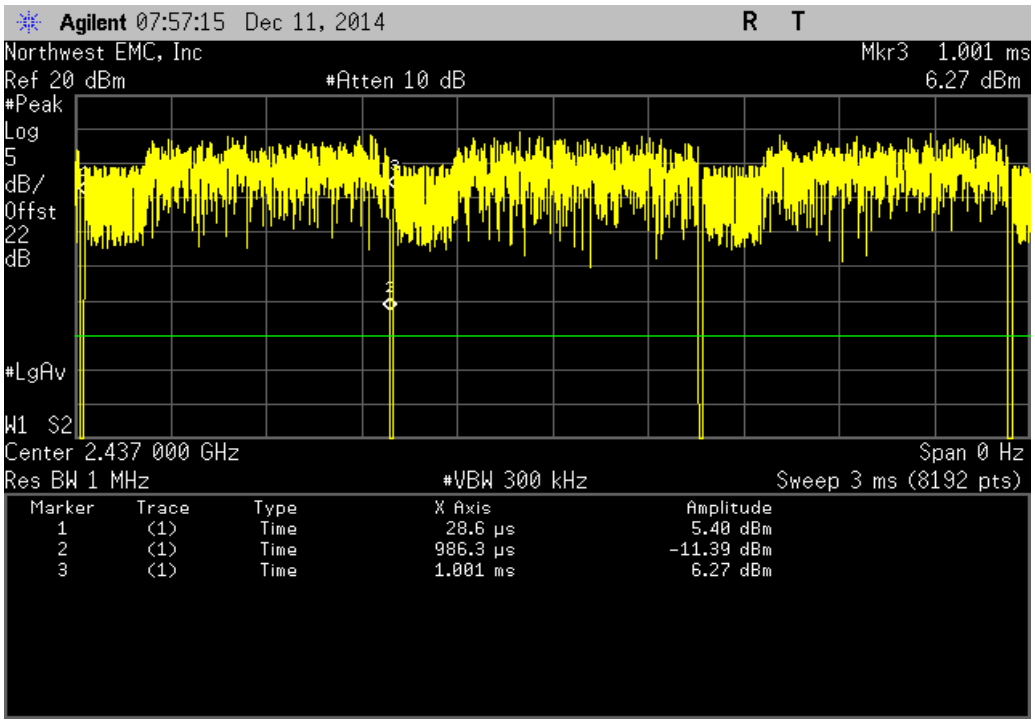


Antenna 0, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

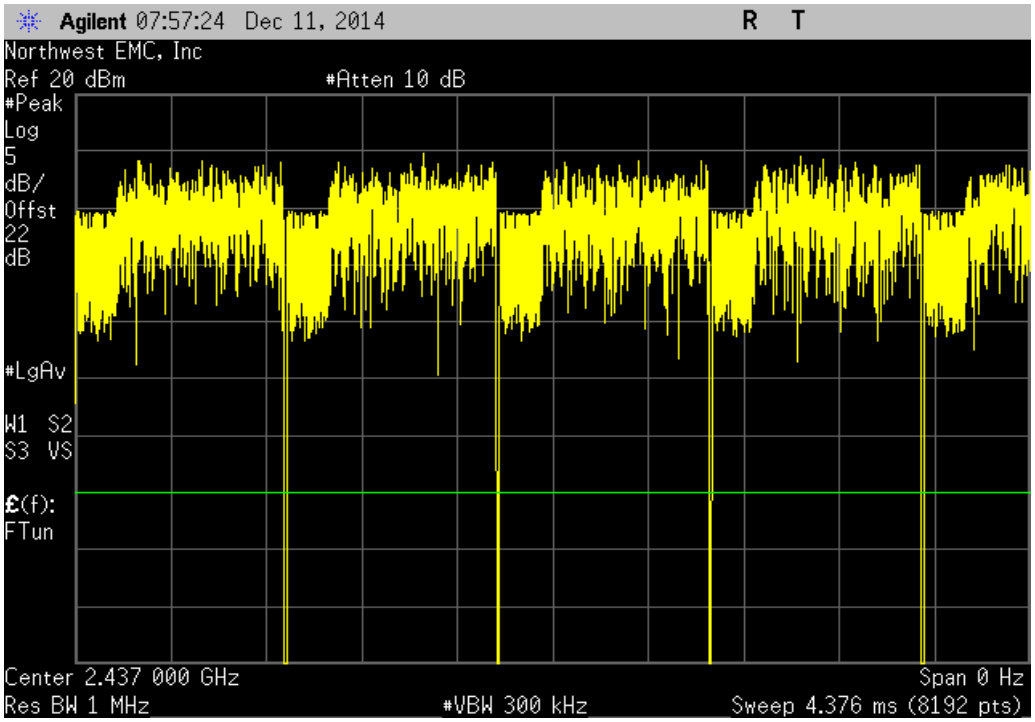


DUTY CYCLE

Antenna 0, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	957.7 us	972.4 us	1	98.5	N/A	N/A

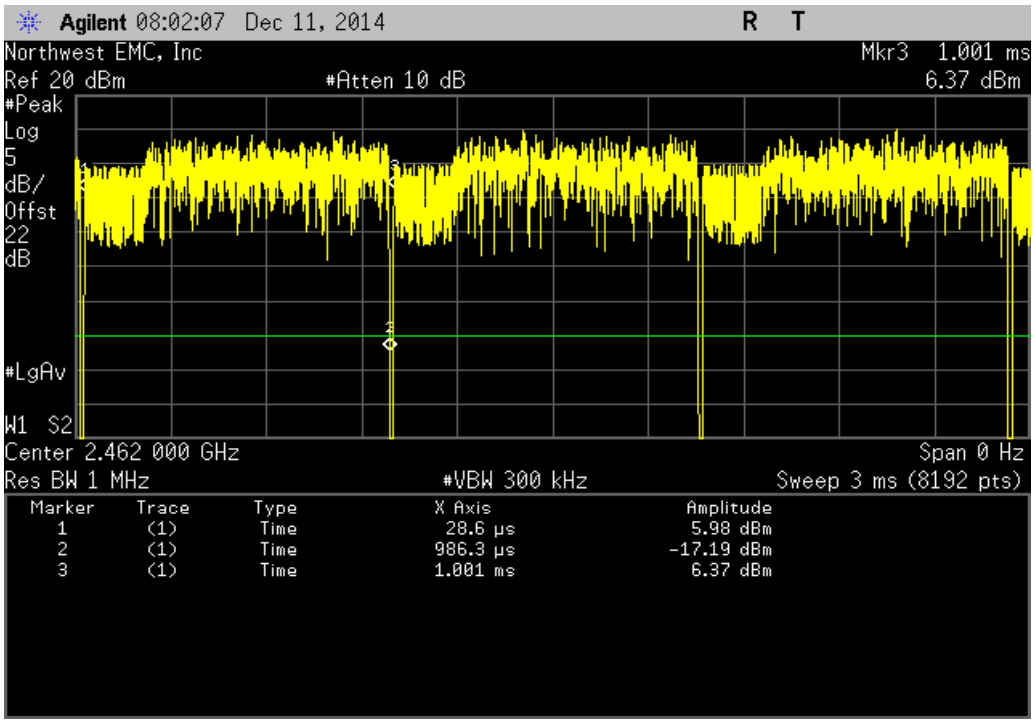


Antenna 0, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

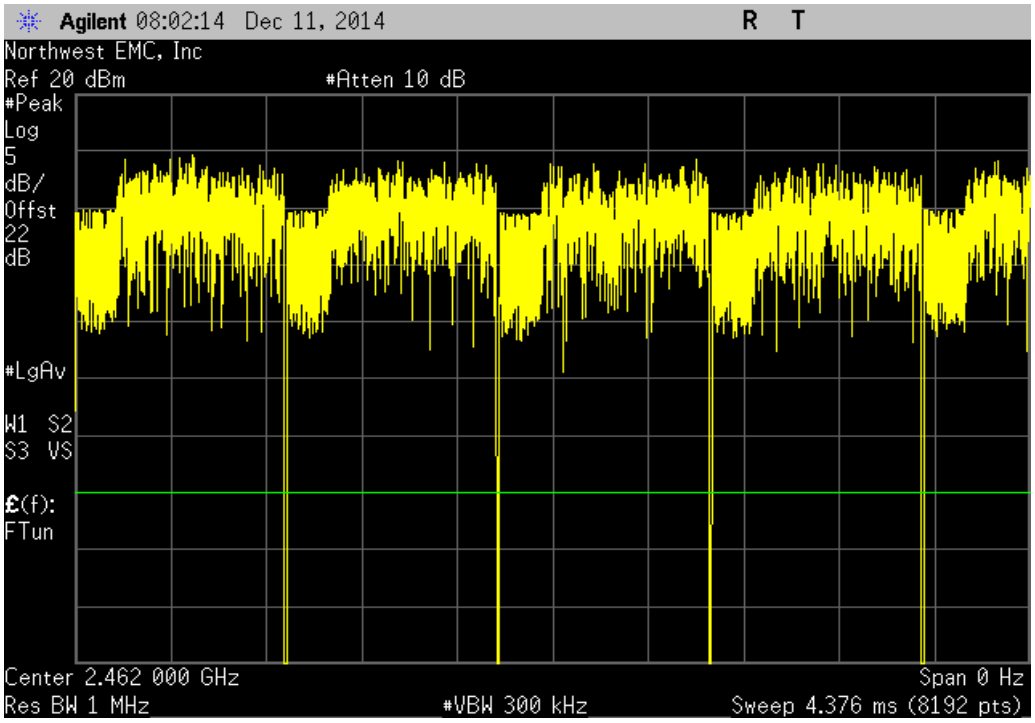


DUTY CYCLE

Antenna 0, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	957.7 us	972.4 us	1	98.5	N/A	N/A

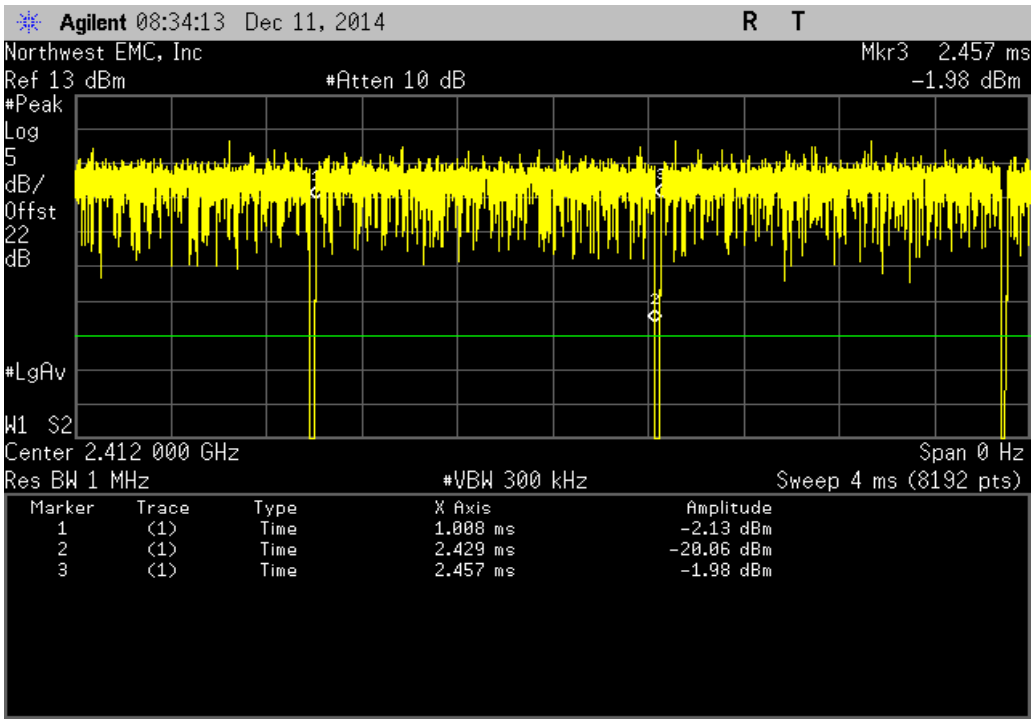


Antenna 0, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

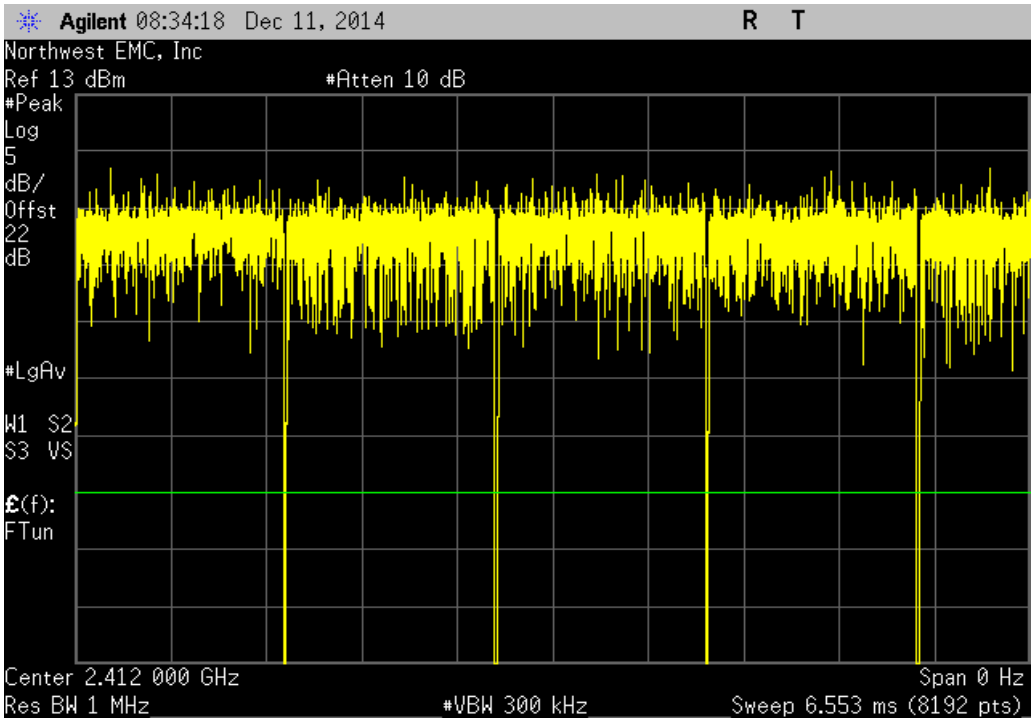


DUTY CYCLE

Antenna 0, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.421 ms	1.448 ms	1	98.1	N/A	N/A

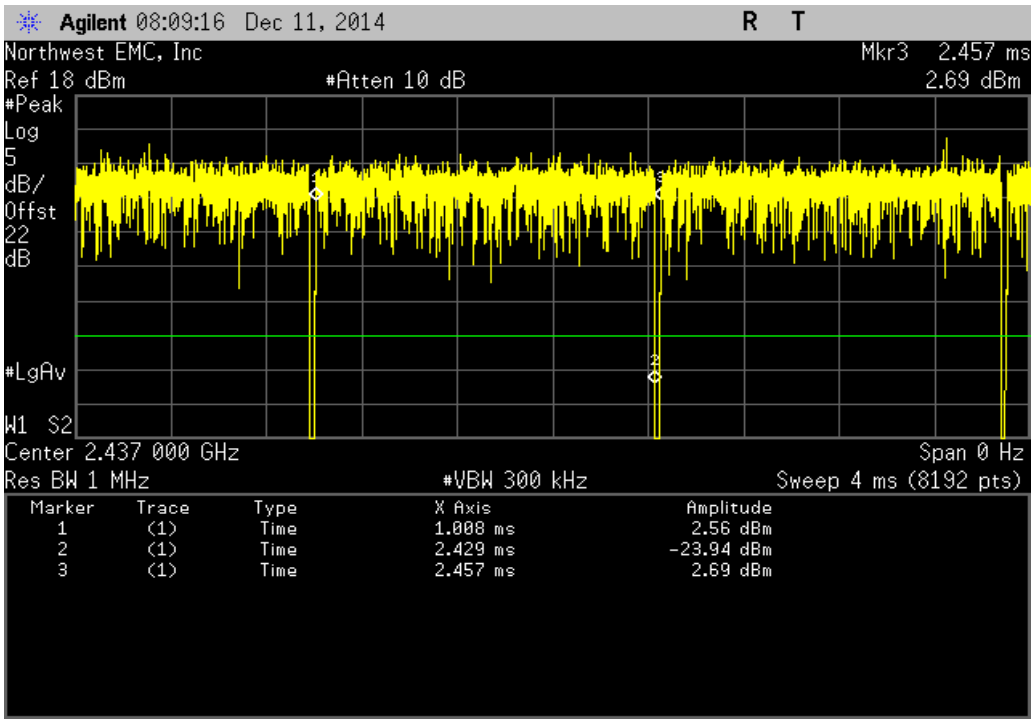


Antenna 0, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

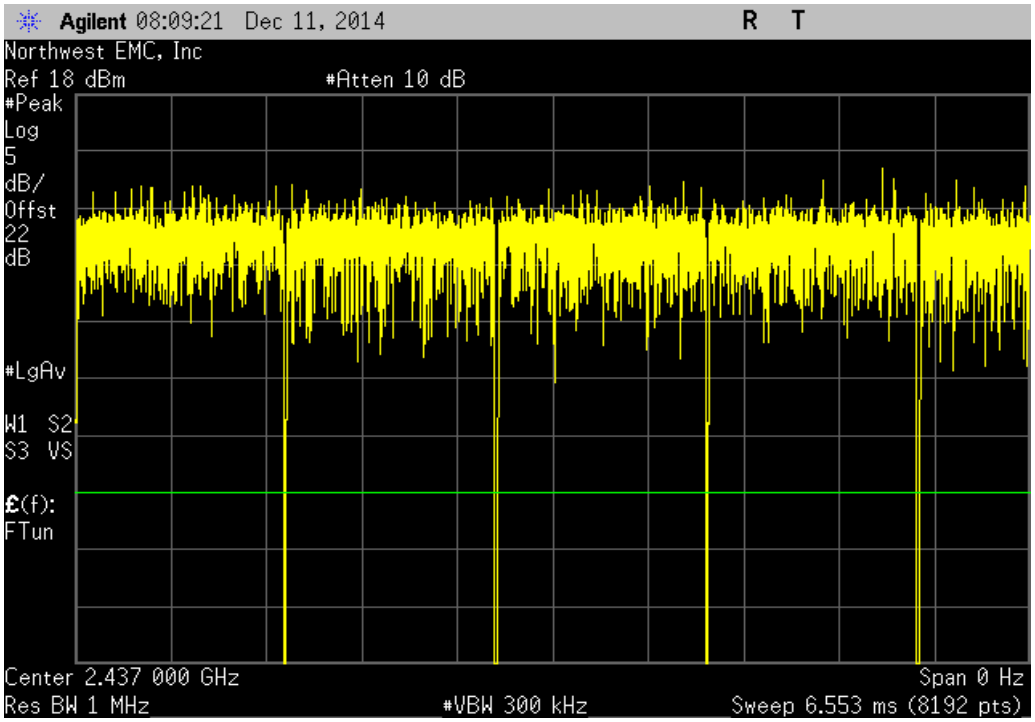


DUTY CYCLE

Antenna 0, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.421 ms	1.448 ms	1	98.1	N/A	N/A

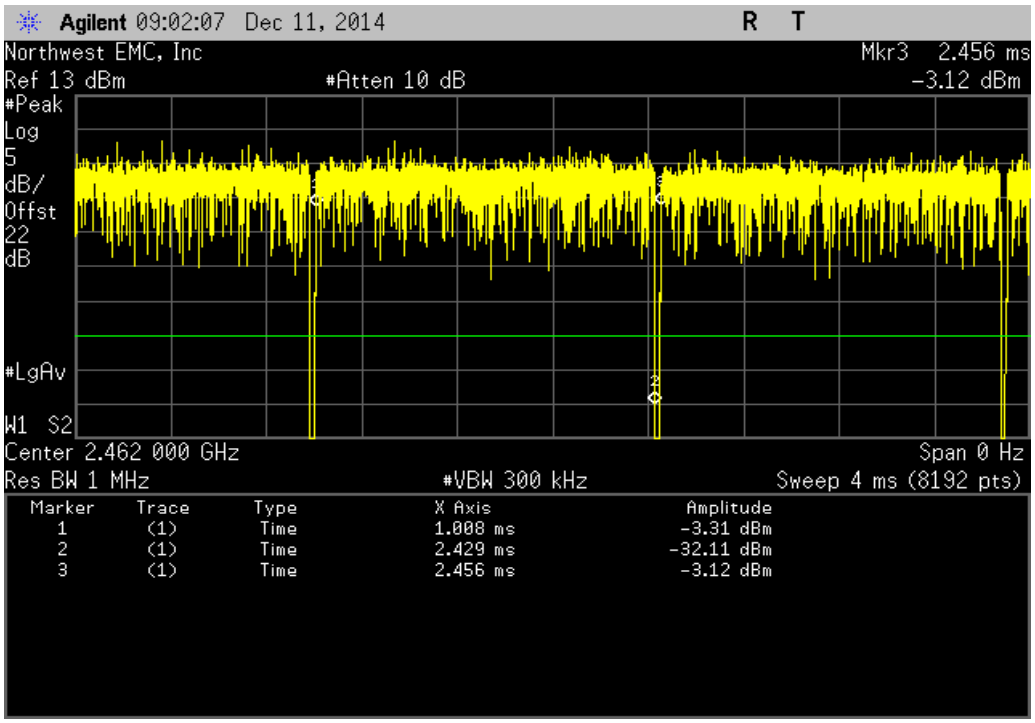


Antenna 0, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

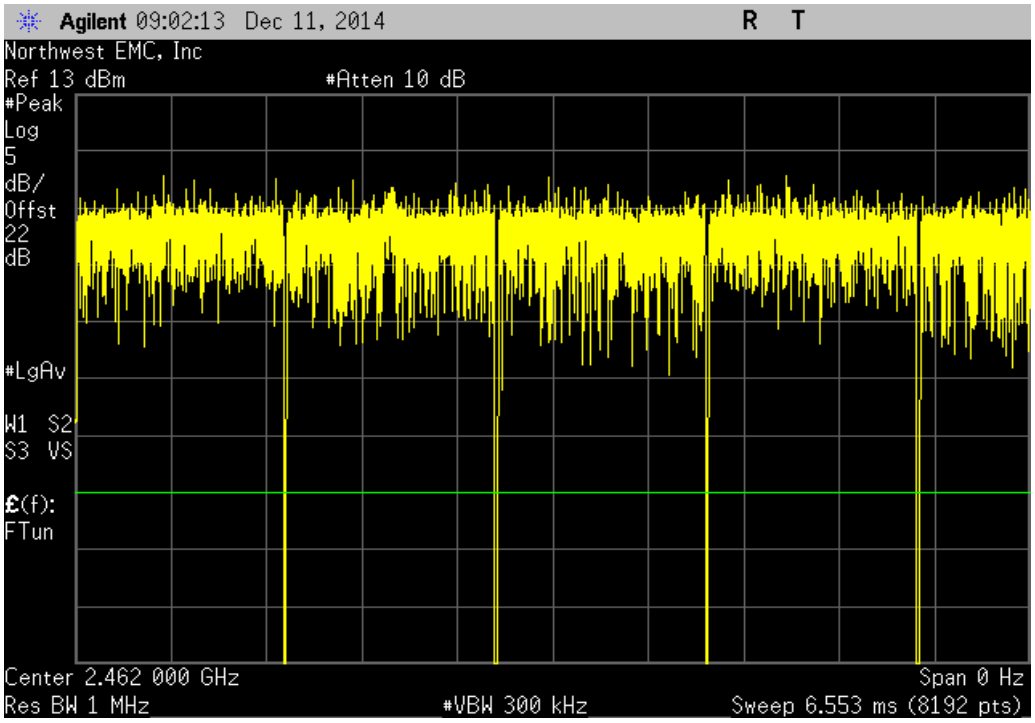


DUTY CYCLE

Antenna 0, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.421 ms	1.449 ms	1	98.1	N/A	N/A

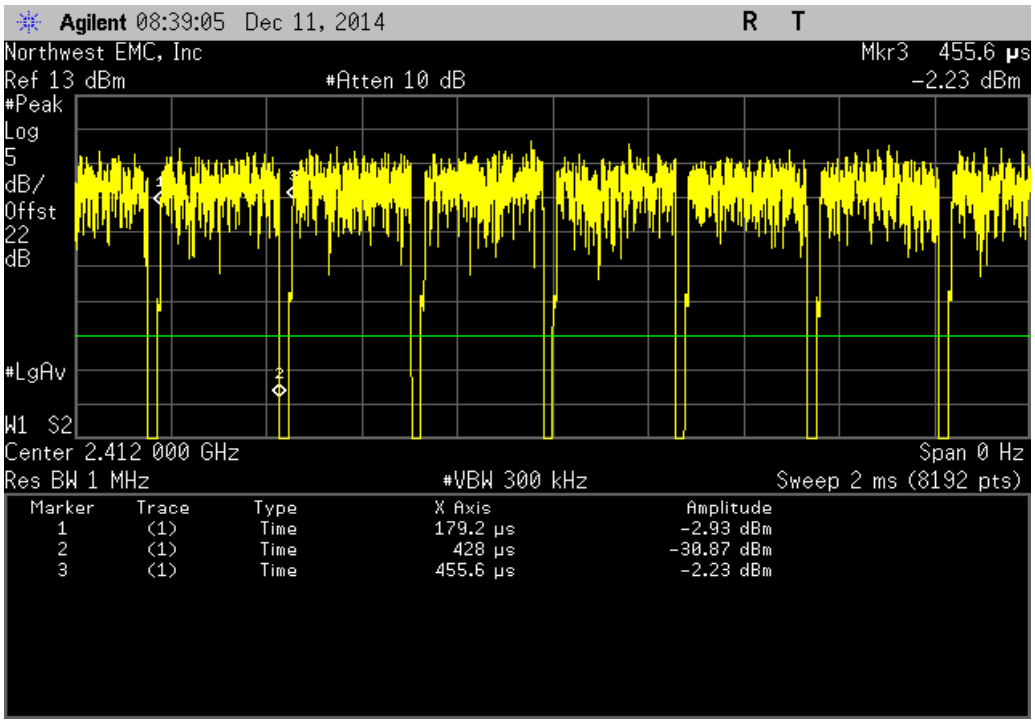


Antenna 0, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

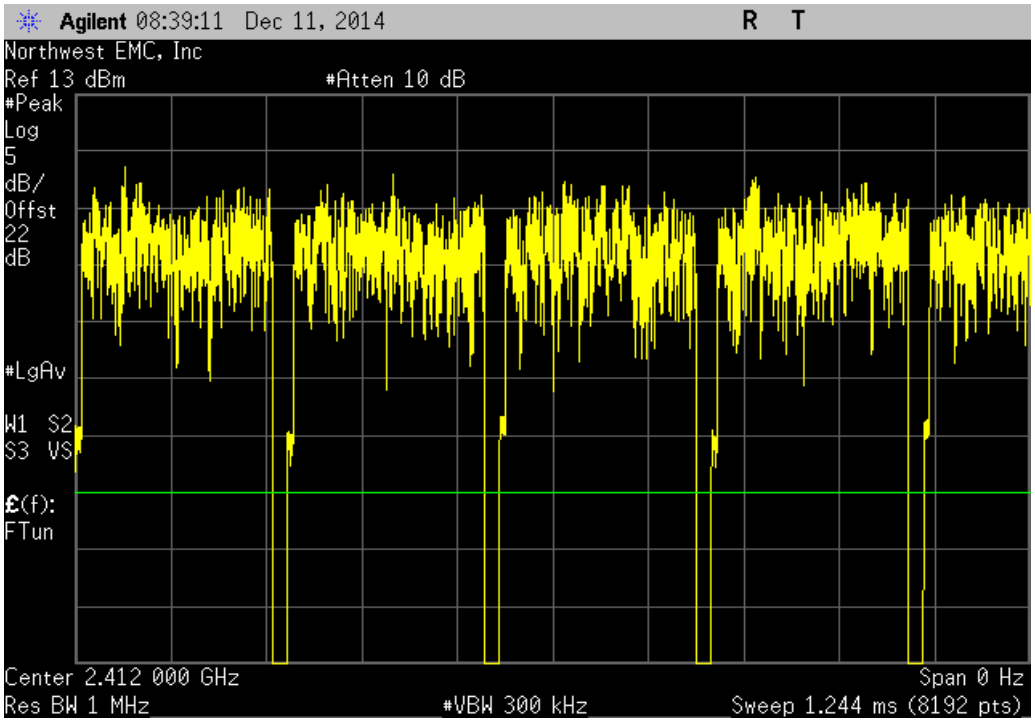


DUTY CYCLE

Antenna 0, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	248.8 us	276.4 us	1	90	N/A	N/A

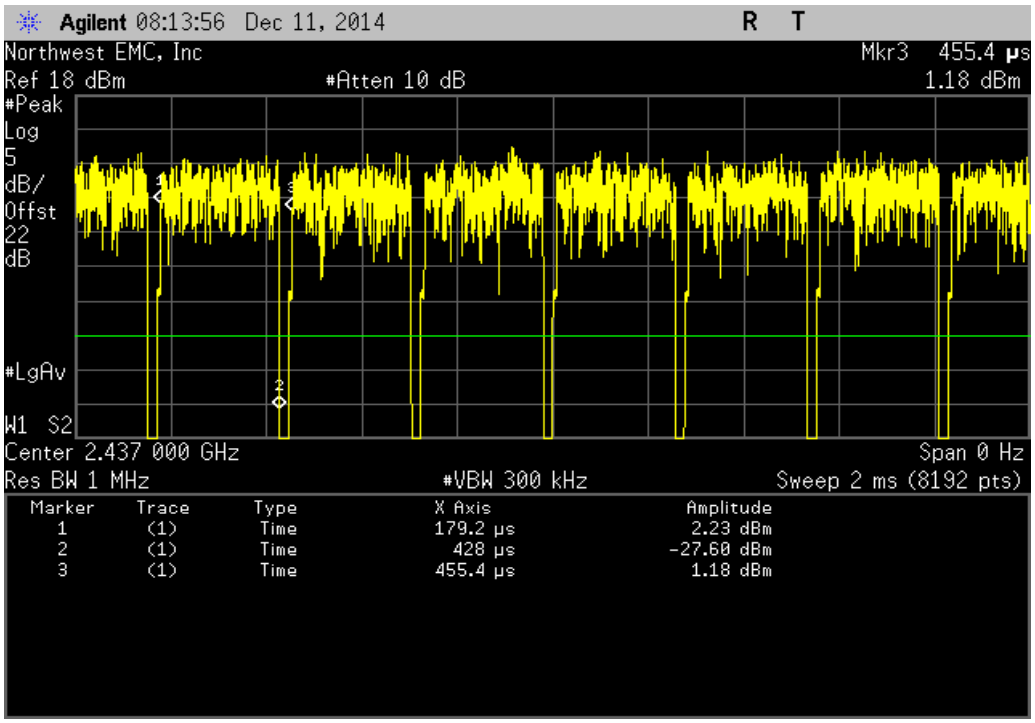


Antenna 0, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

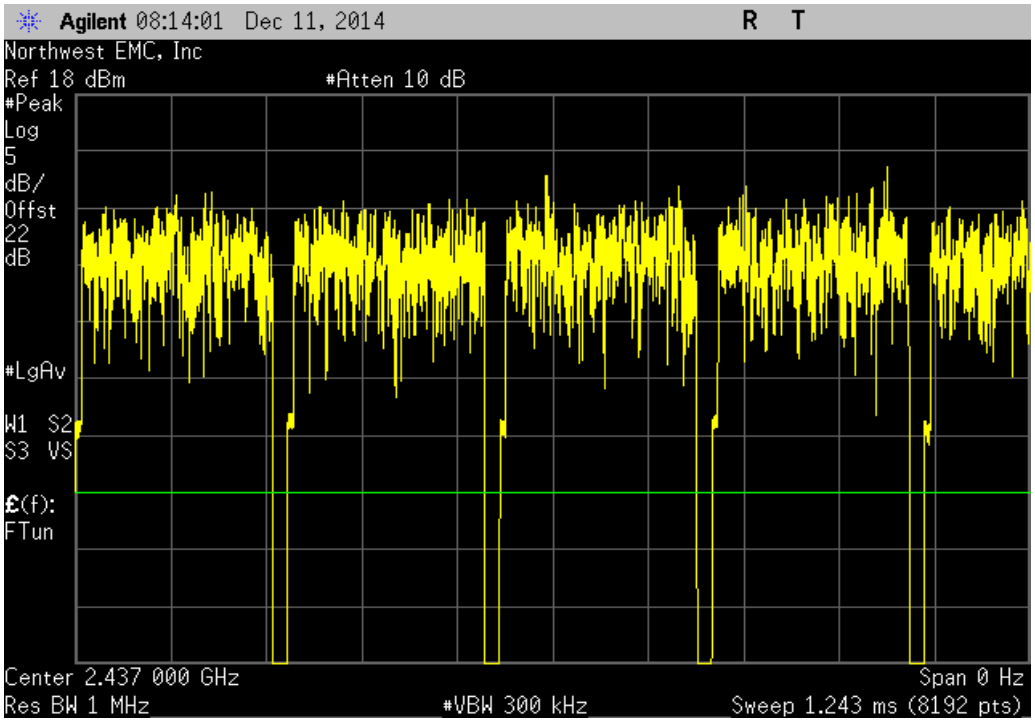


DUTY CYCLE

Antenna 0, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	248.8 us	276.2 us	1	90.1	N/A	N/A

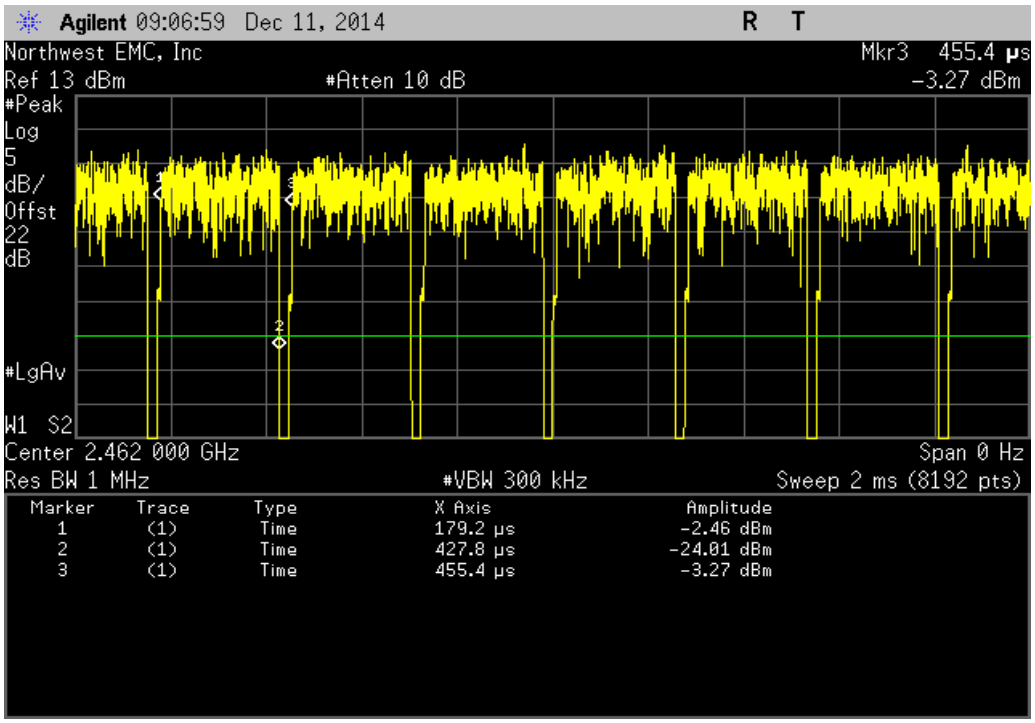


Antenna 0, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A

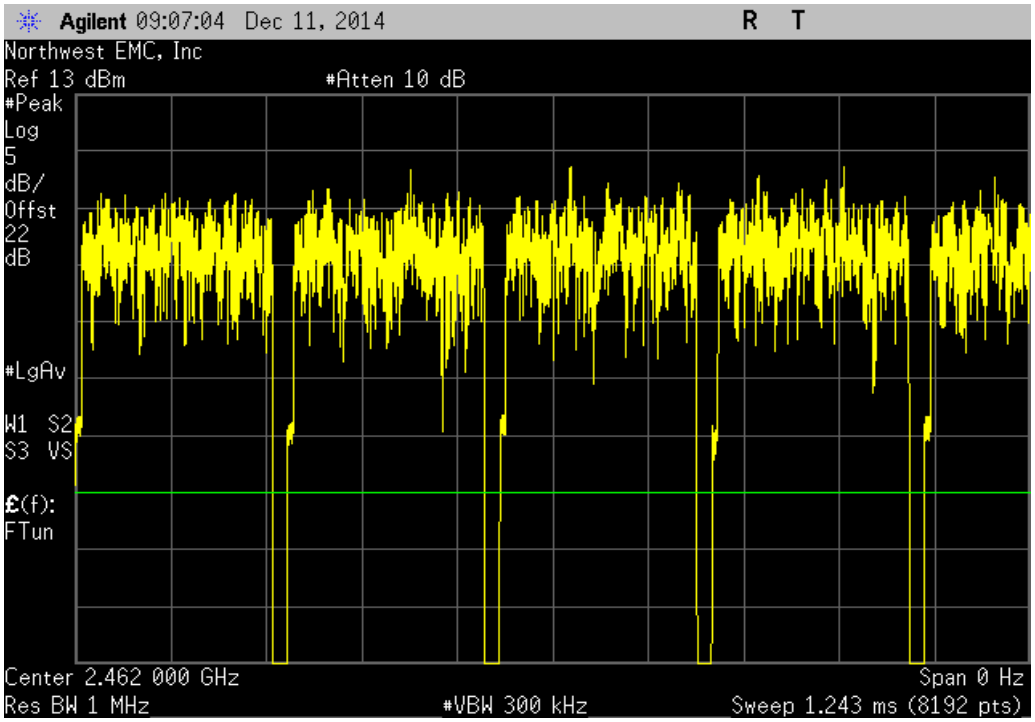


DUTY CYCLE

Antenna 0, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	248.6 us	276.2 us	1	90	N/A	N/A

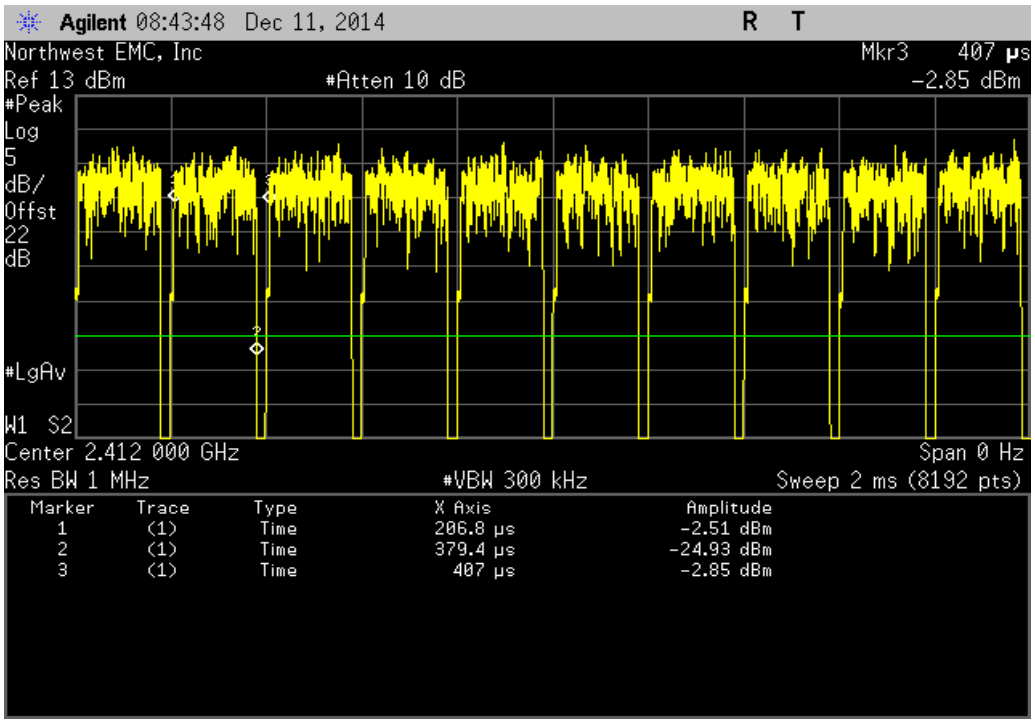


Antenna 0, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

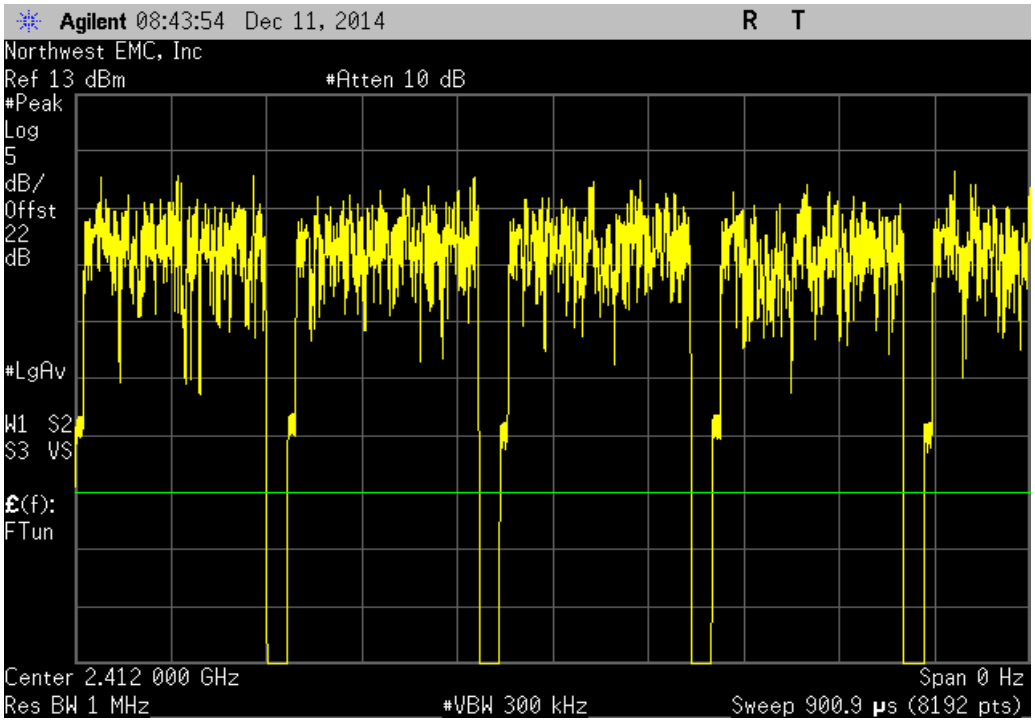


DUTY CYCLE

Antenna 0, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	172.6 us	200.2 us	1	86.2	N/A	N/A

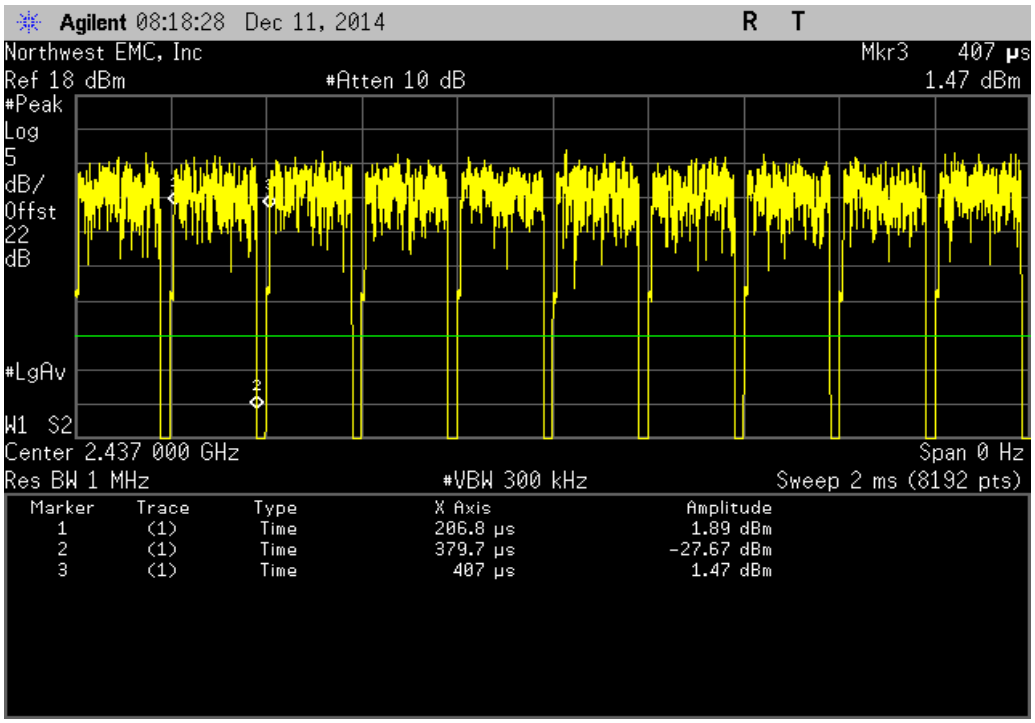


Antenna 0, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

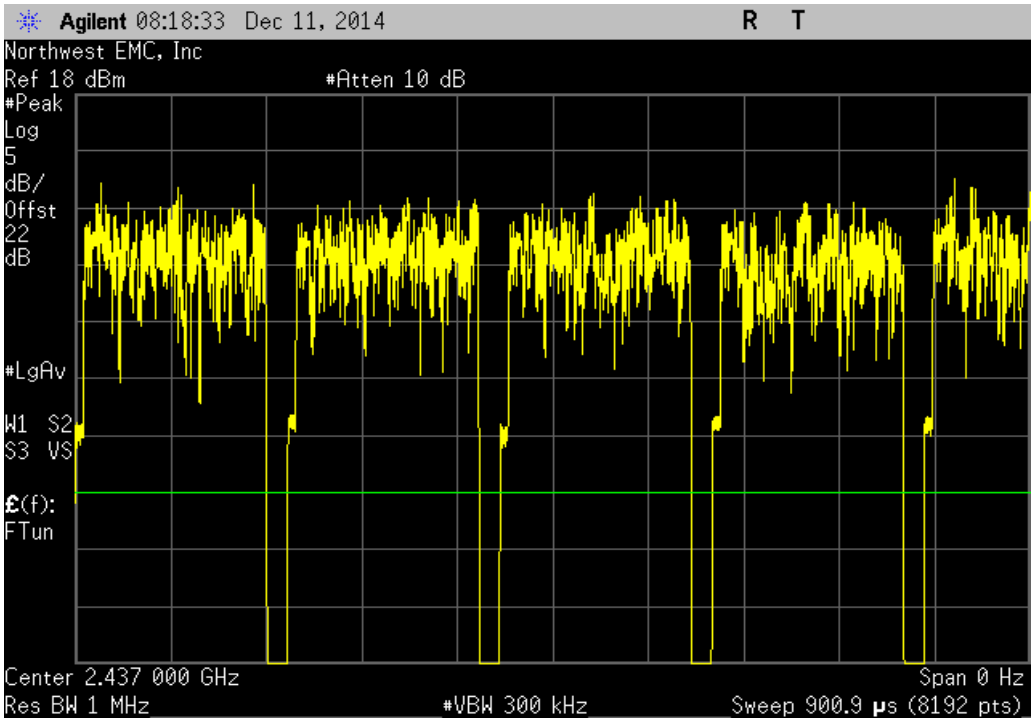


DUTY CYCLE

Antenna 0, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	172.9 us	200.2 us	1	86.4	N/A	N/A

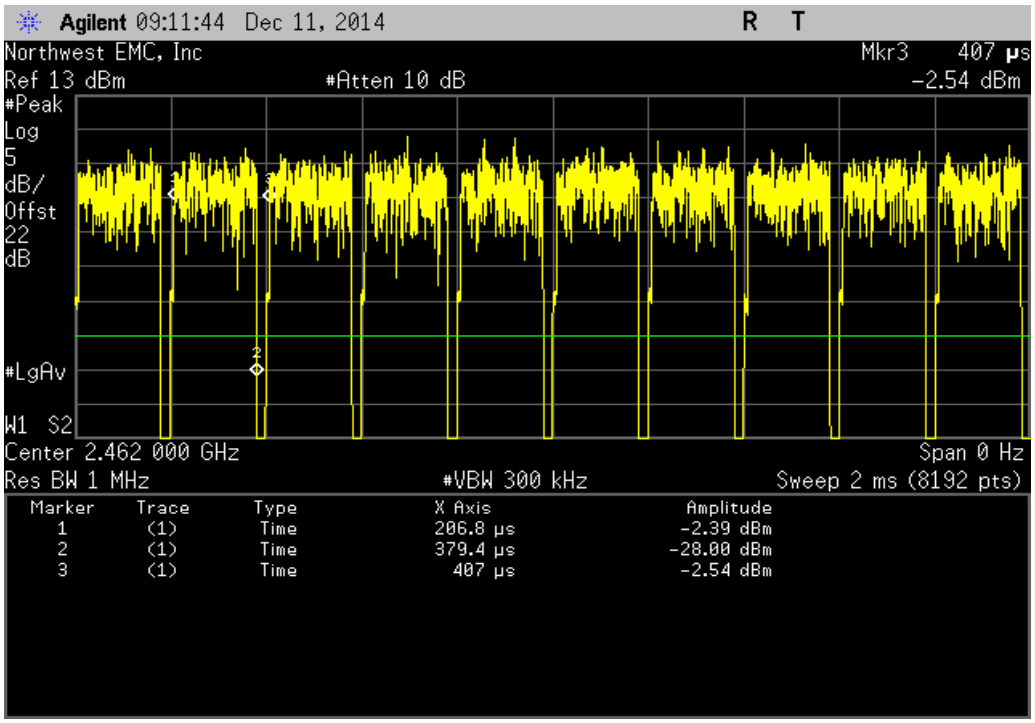


Antenna 0, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A

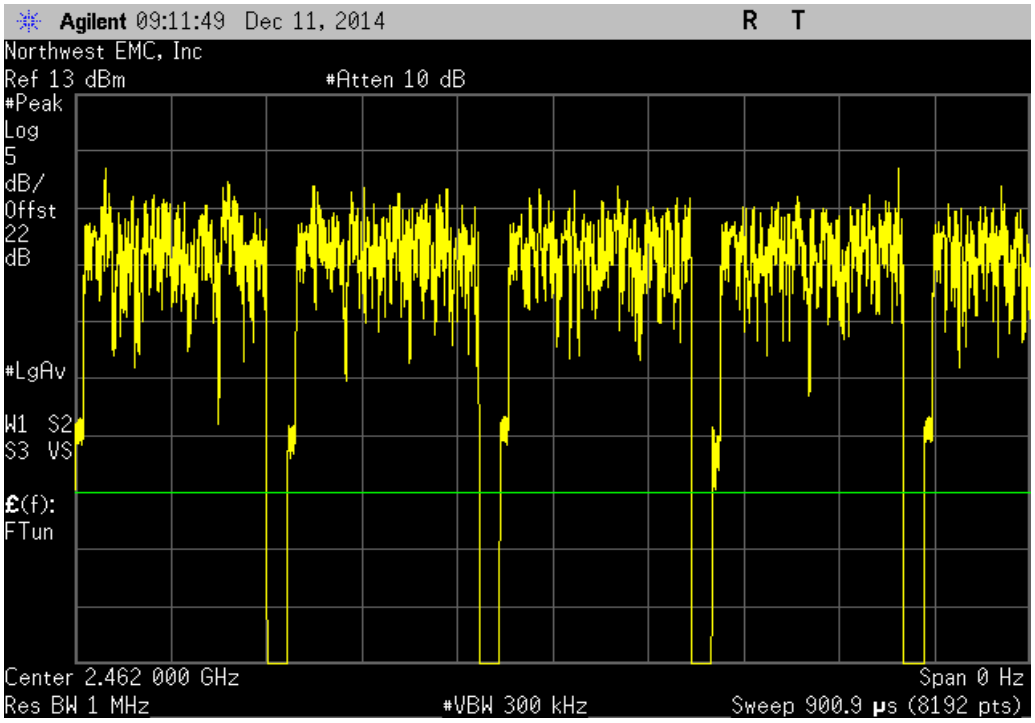


DUTY CYCLE

Antenna 0, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	172.6 us	200.2 us	1	86.2	N/A	N/A

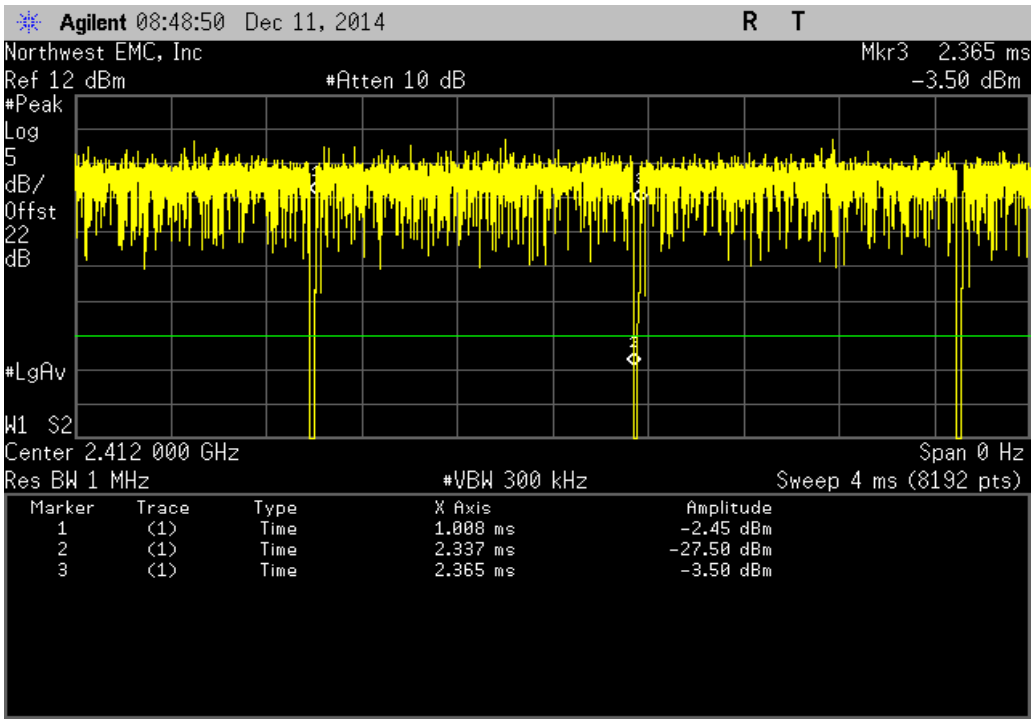


Antenna 0, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

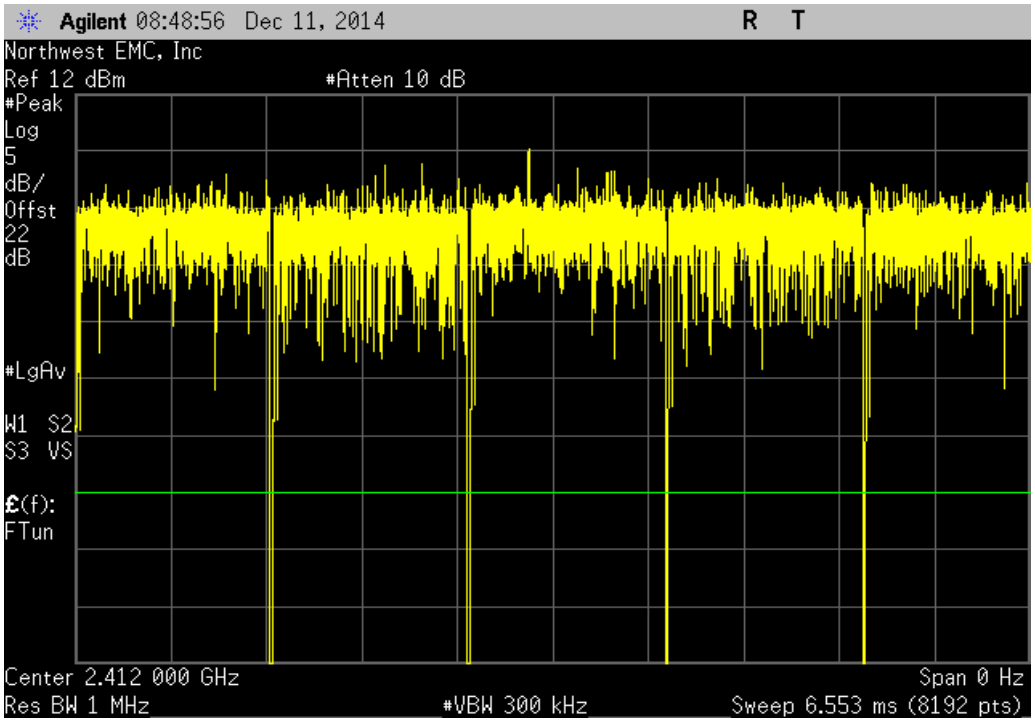


DUTY CYCLE

Antenna 0, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.329 ms	1.356 ms	1	98	N/A	N/A

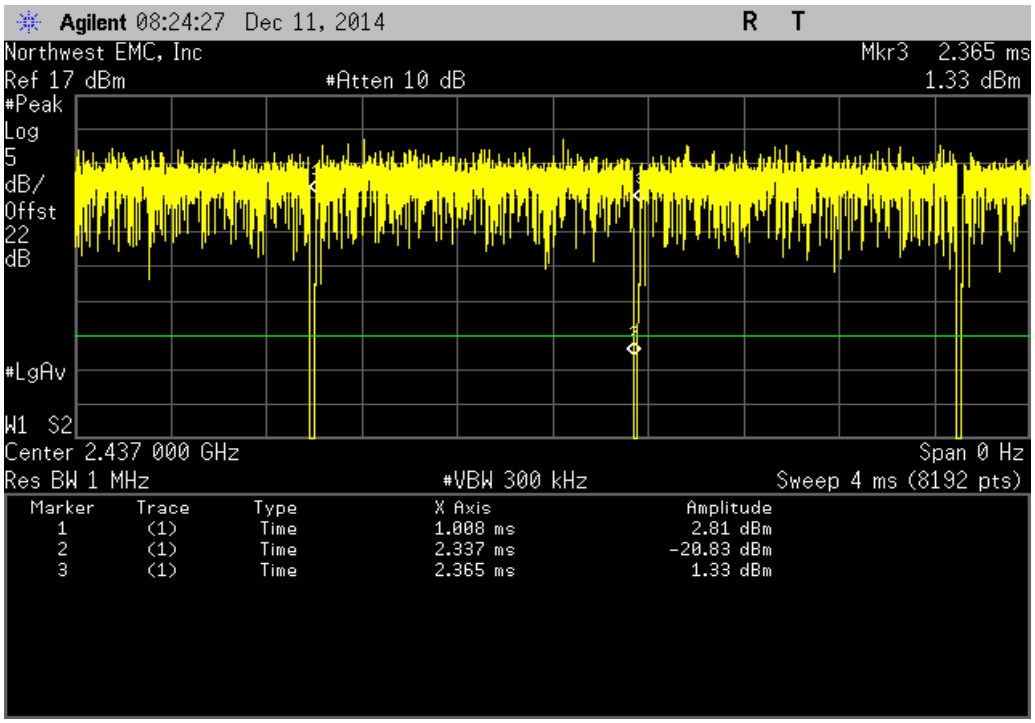


Antenna 0, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

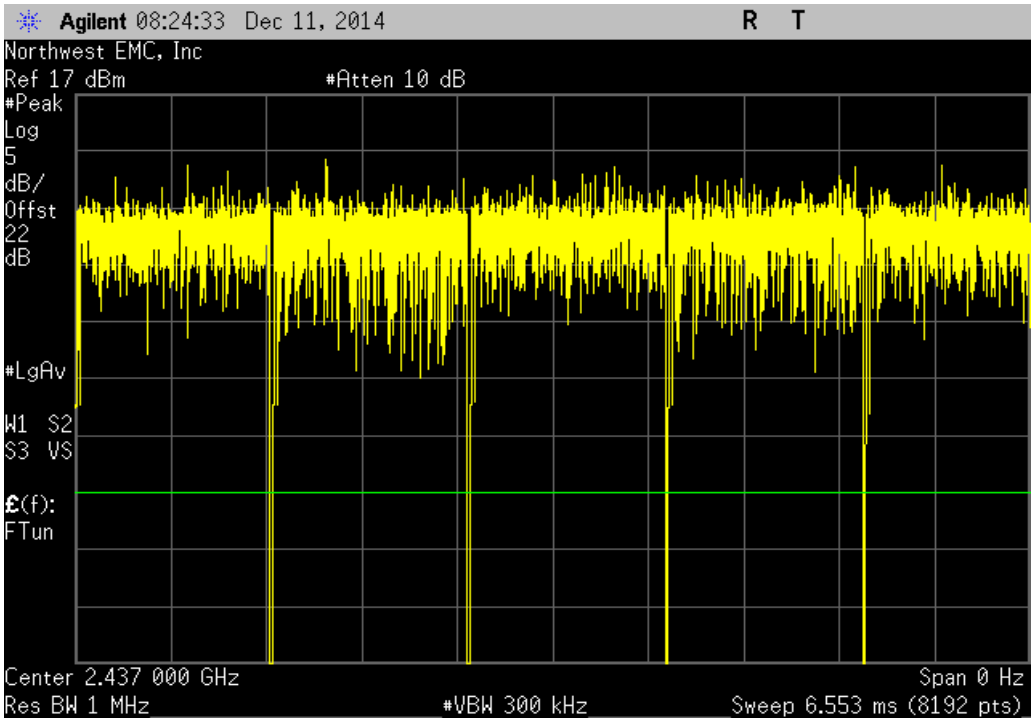


DUTY CYCLE

Antenna 0, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.329 ms	1.356 ms	1	98	N/A	N/A

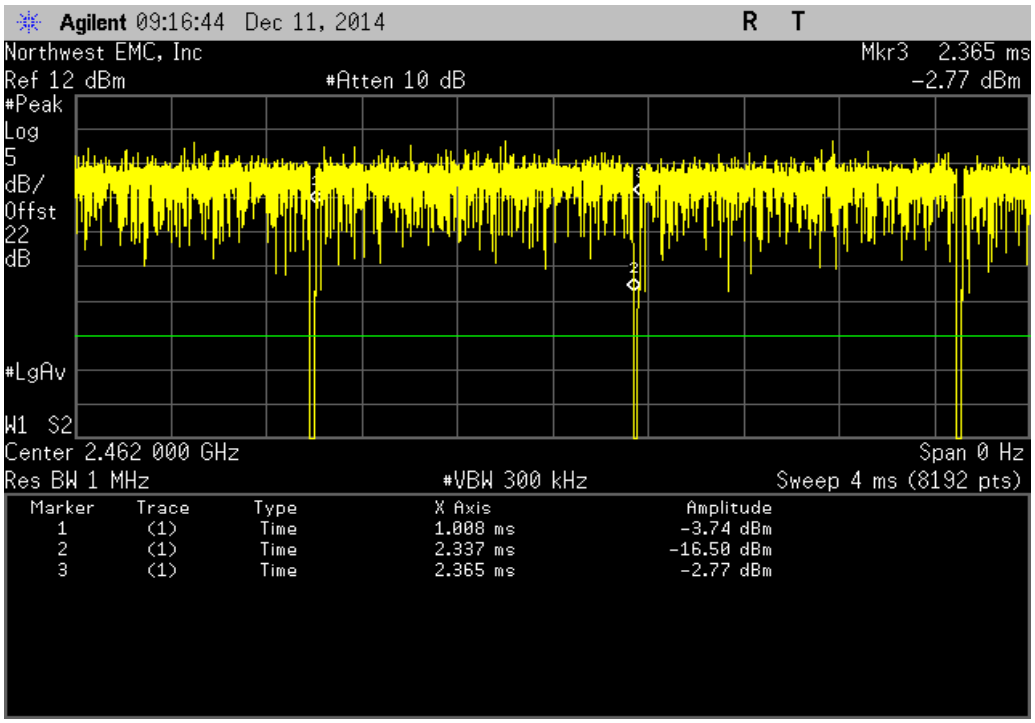


Antenna 0, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

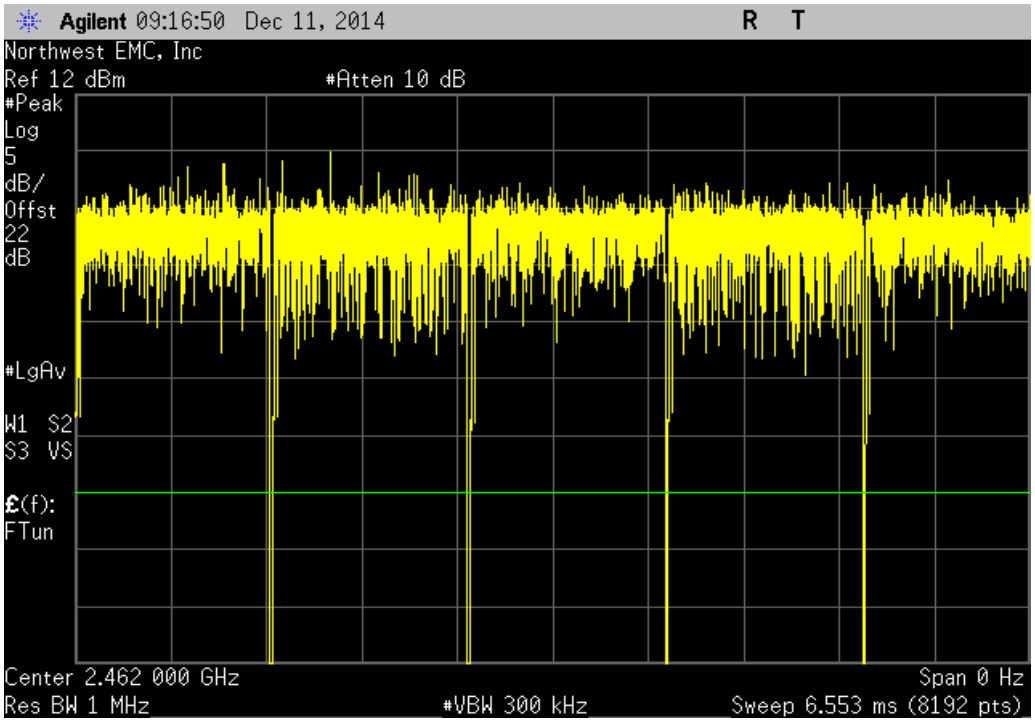


DUTY CYCLE

Antenna 0, 802.11(n) MCS0, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.329 ms	1.357 ms	1	98	N/A	N/A

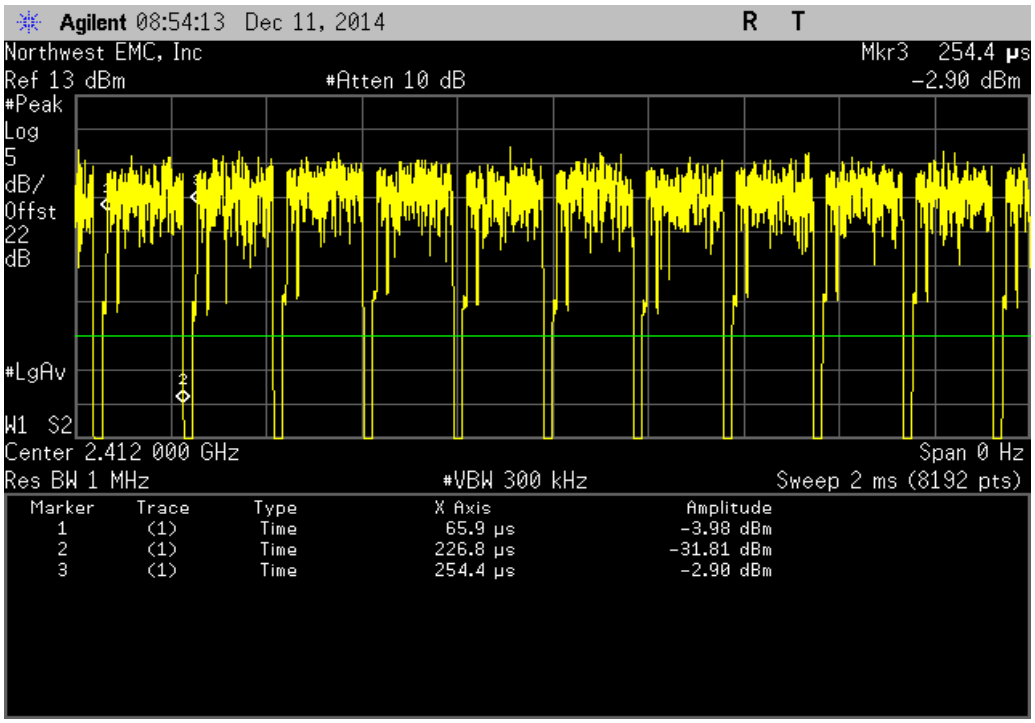


Antenna 0, 802.11(n) MCS0, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

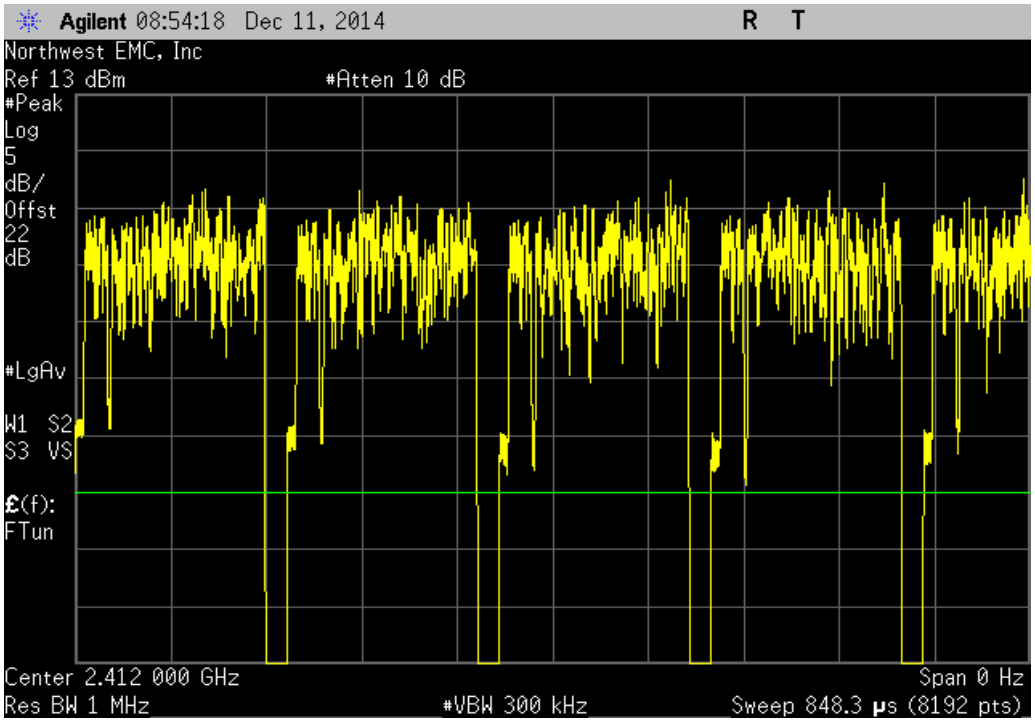


DUTY CYCLE

Antenna 0, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	160.9 us	188.5 us	1	85.4	N/A	N/A

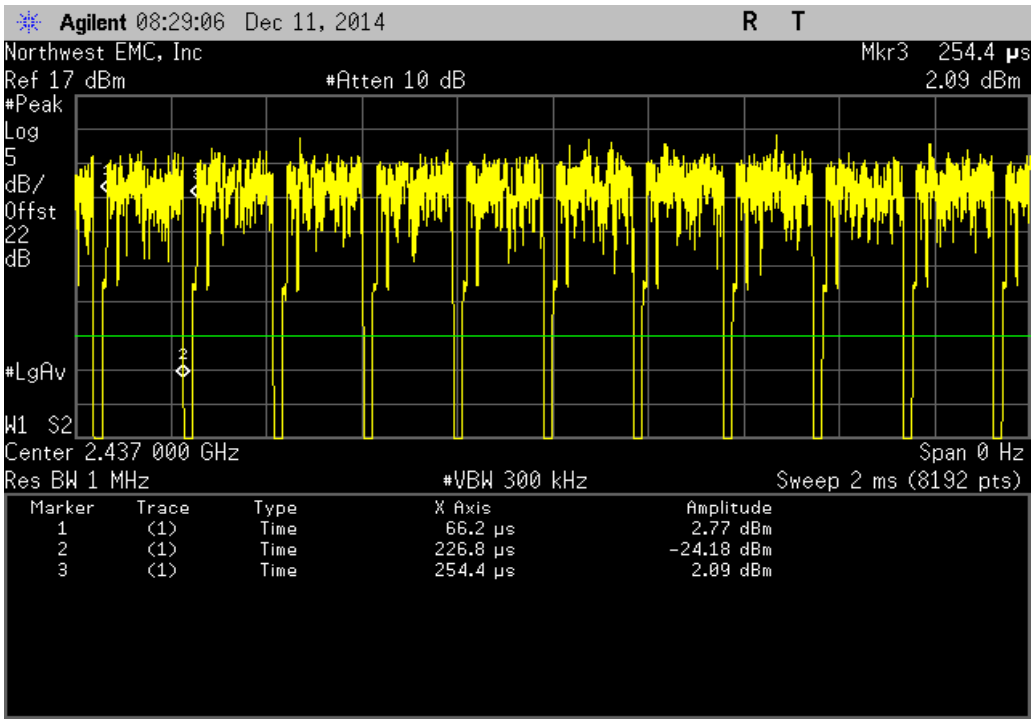


Antenna 0, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

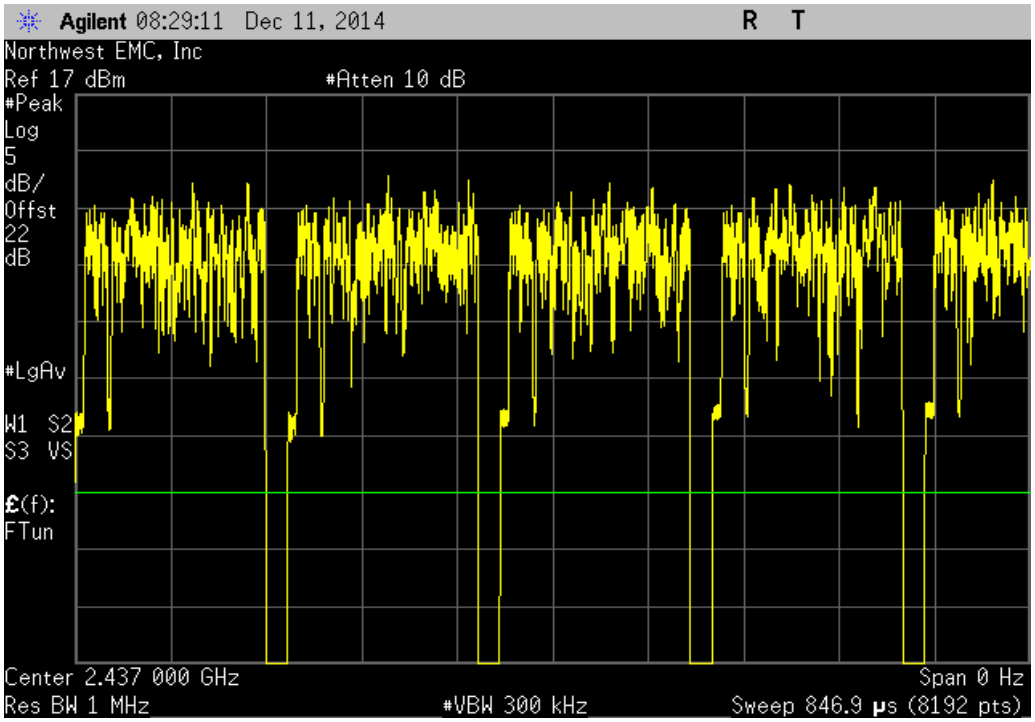


DUTY CYCLE

Antenna 0, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	160.6 us	188.2 us	1	85.3	N/A	N/A

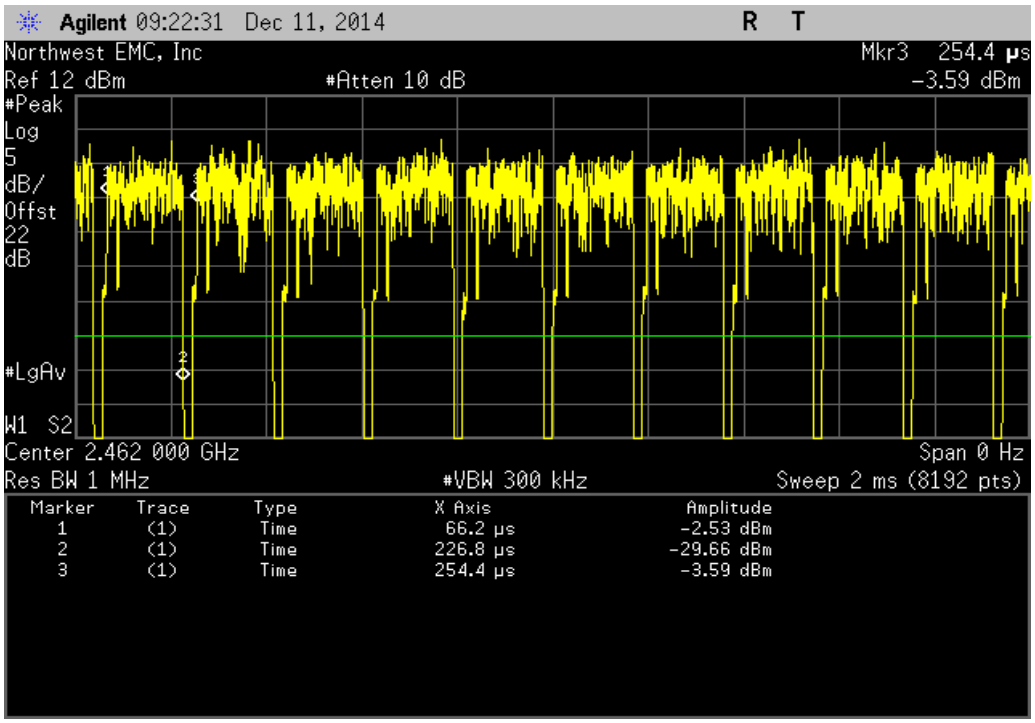


Antenna 0, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

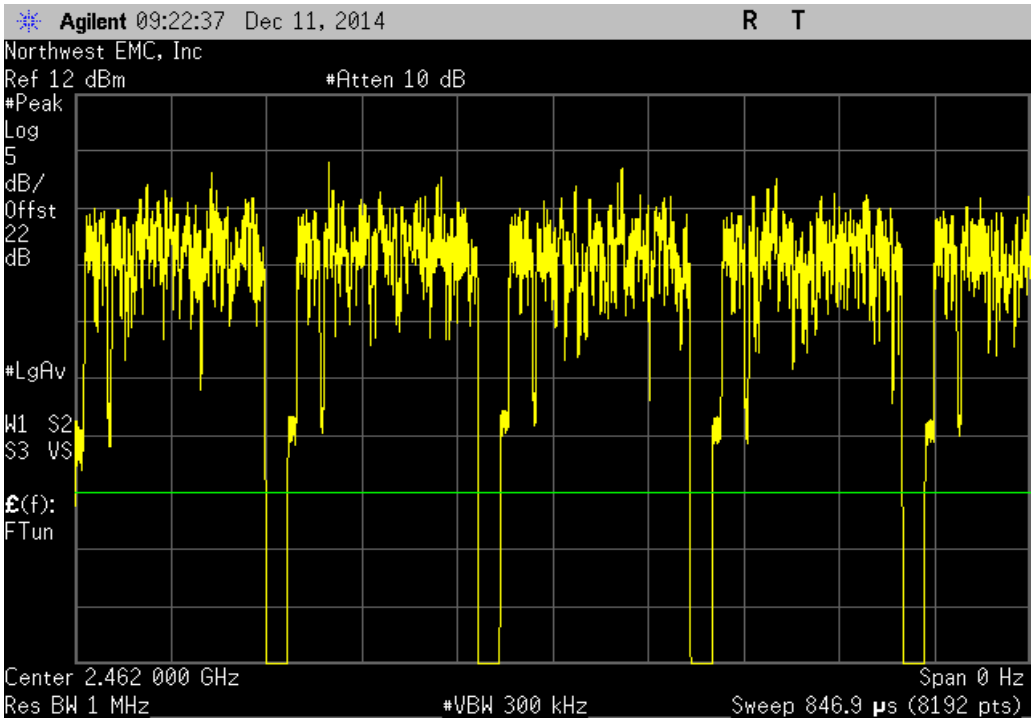


DUTY CYCLE

Antenna 0, 802.11(n) MCS7, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	160.6 us	188.2 us	1	85.3	N/A	N/A

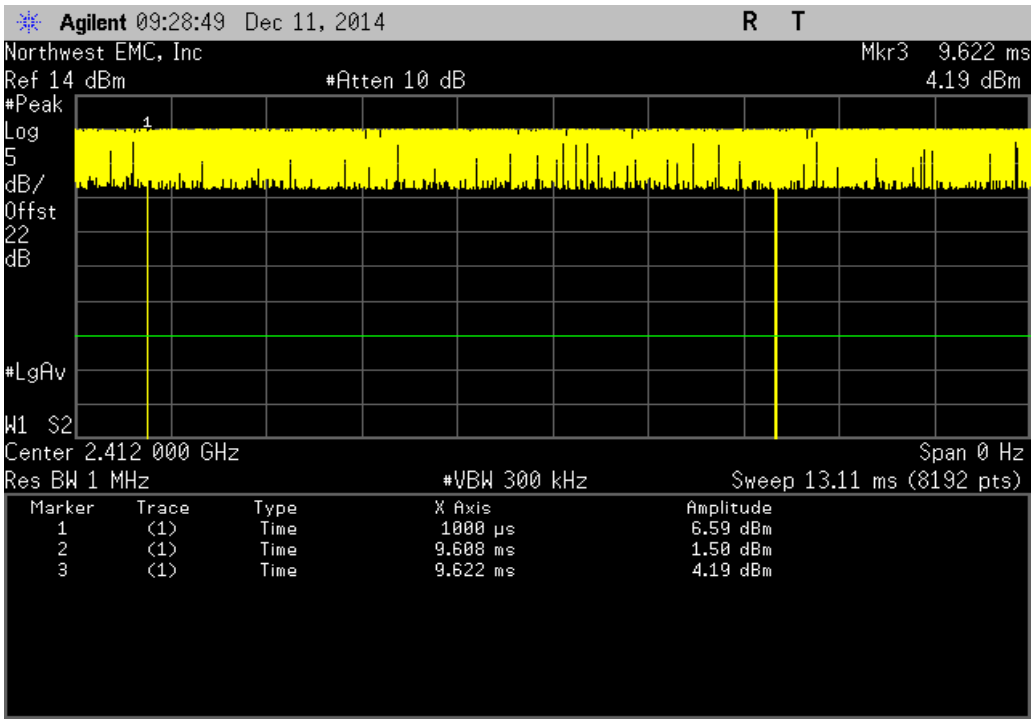


Antenna 0, 802.11(n) MCS7, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A

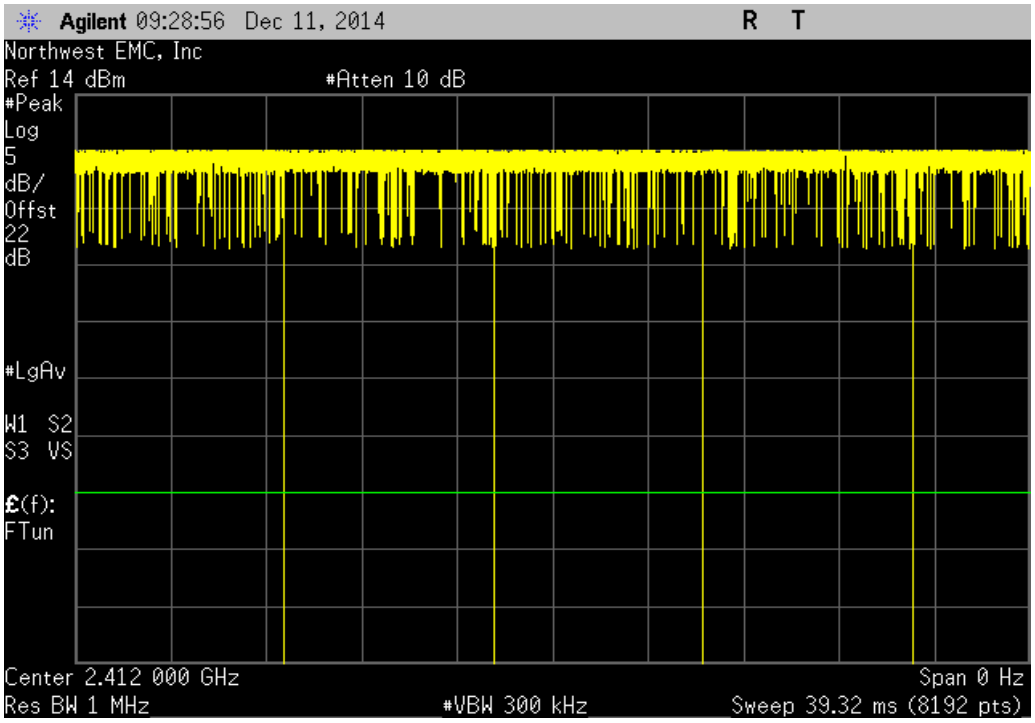


DUTY CYCLE

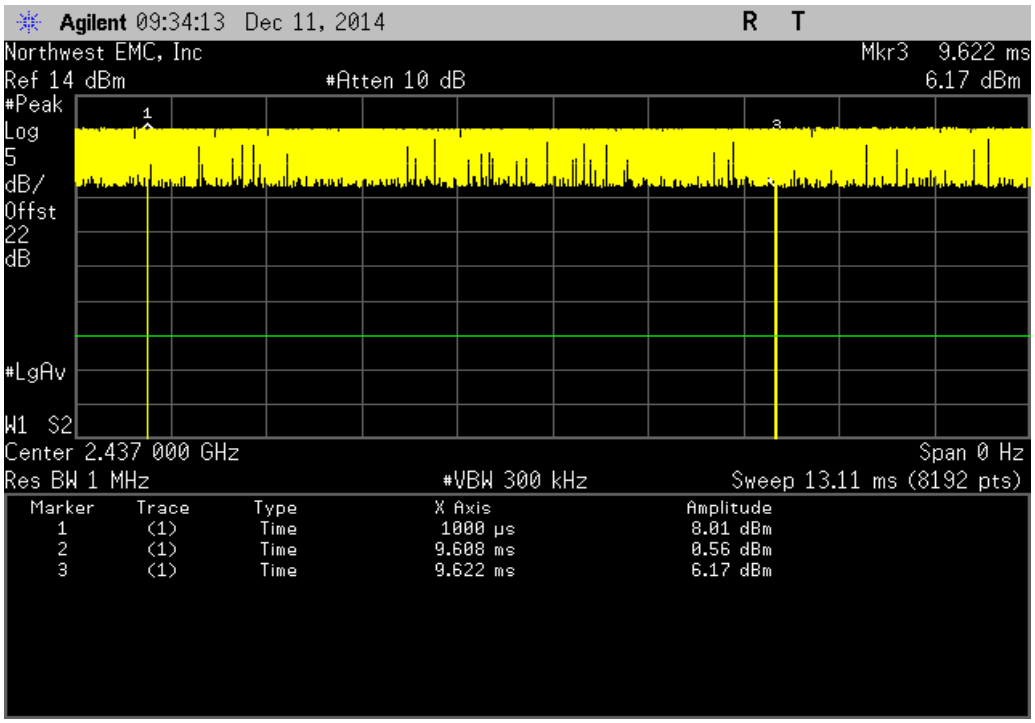
Antenna 1, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	8.608 ms	8.622 ms	1	99.8	N/A	N/A



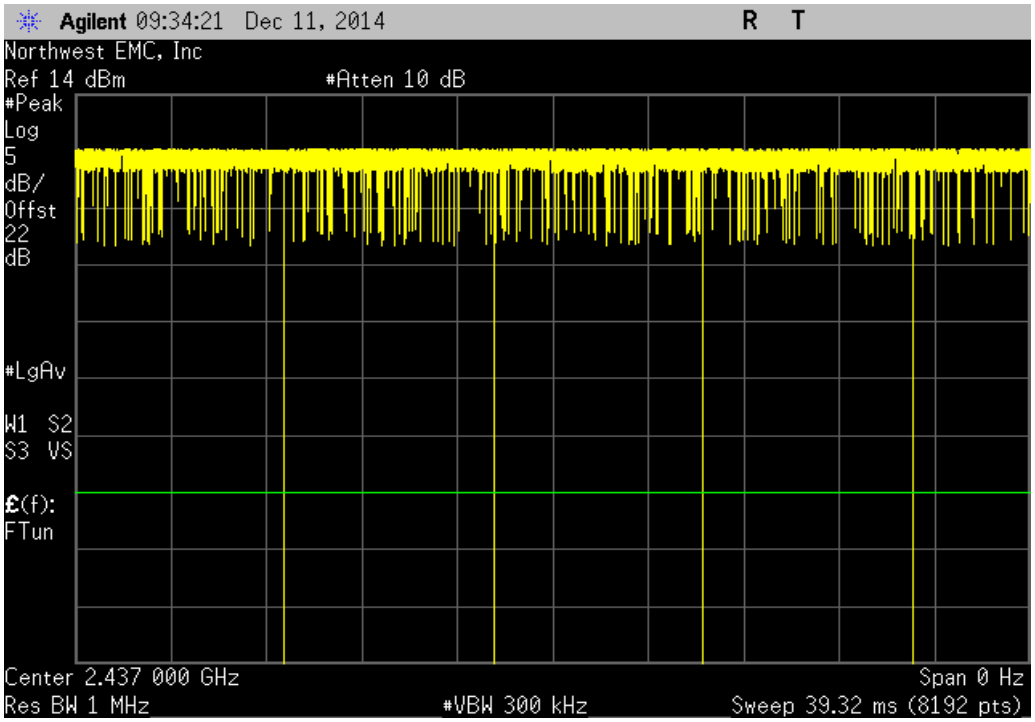
Antenna 1, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A



Antenna 1, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	8.608 ms	8.622 ms	1	99.8	N/A	N/A

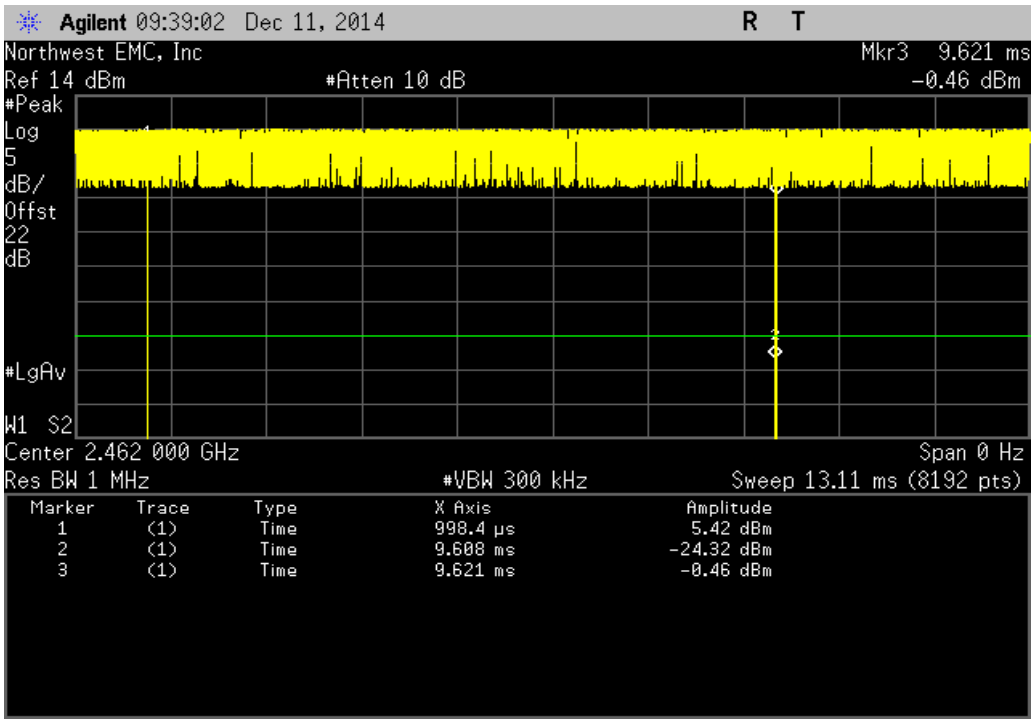


Antenna 1, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A



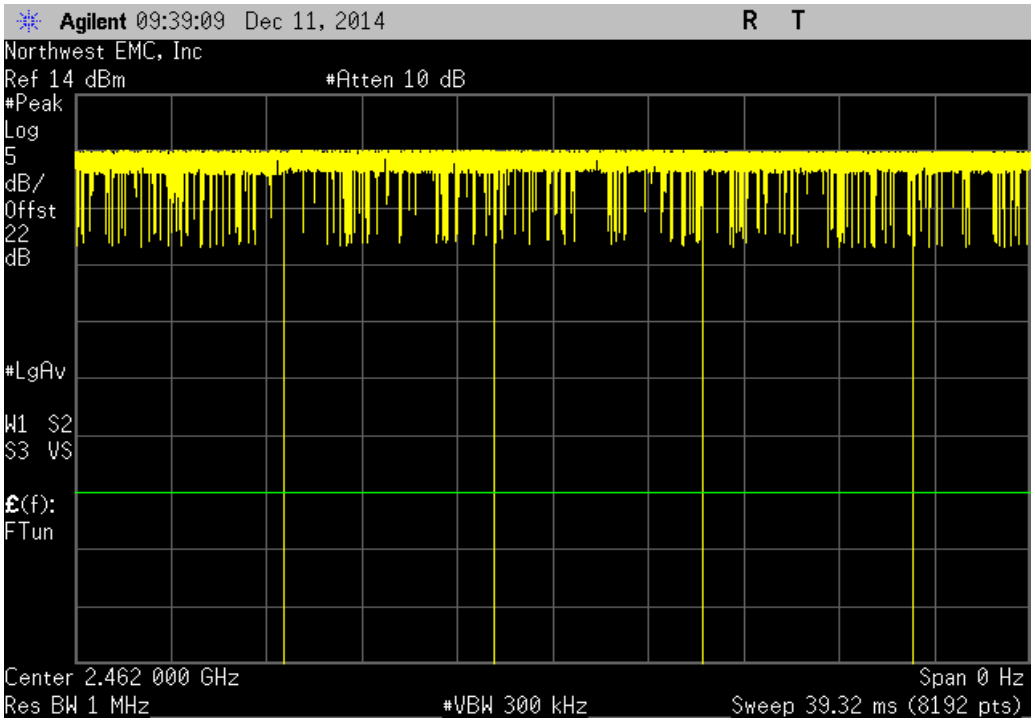
Antenna 1, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
8.61 ms	8.622 ms	1	99.9	N/A	N/A



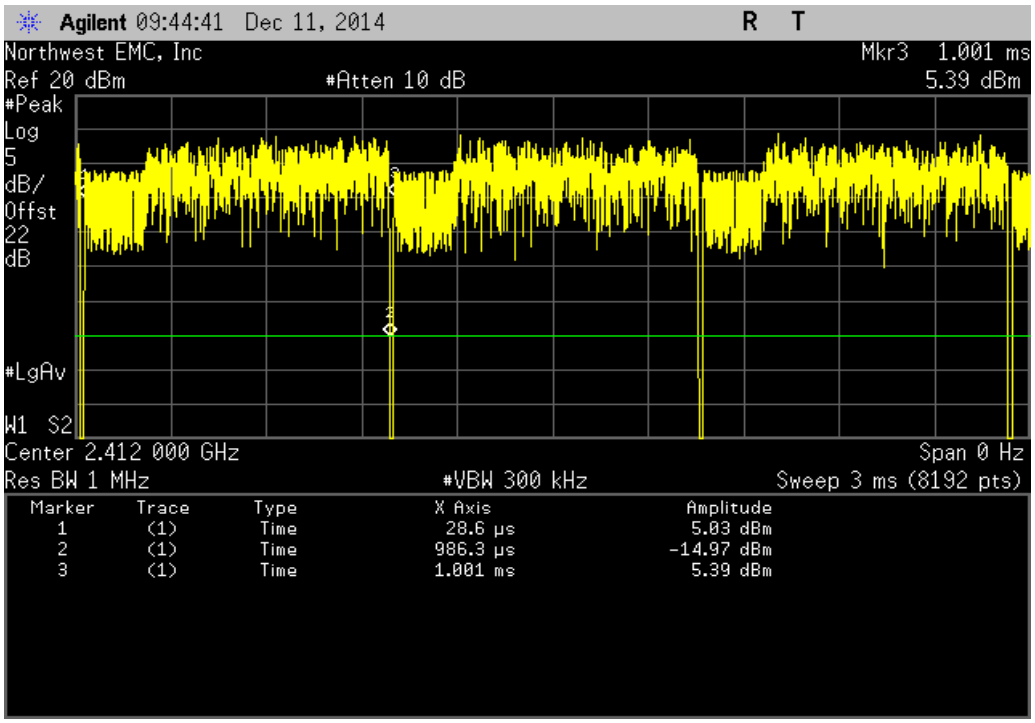
Antenna 1, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
N/A	N/A	5	N/A	N/A	N/A

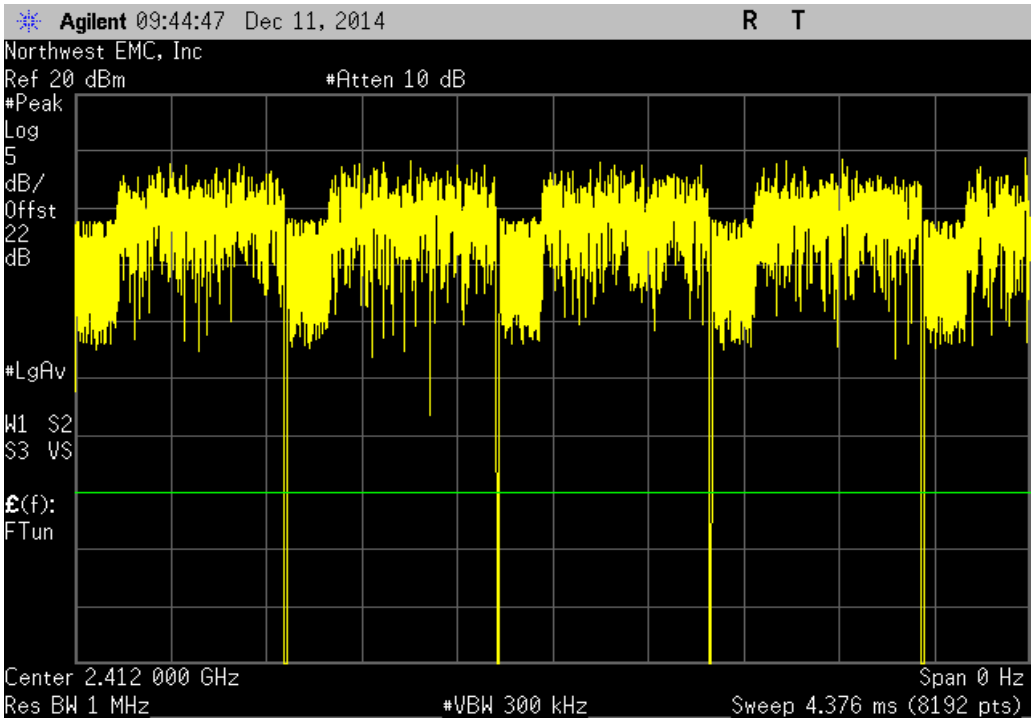


DUTY CYCLE

Antenna 1, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	957.7 us	972.4 us	1	98.5	N/A	N/A

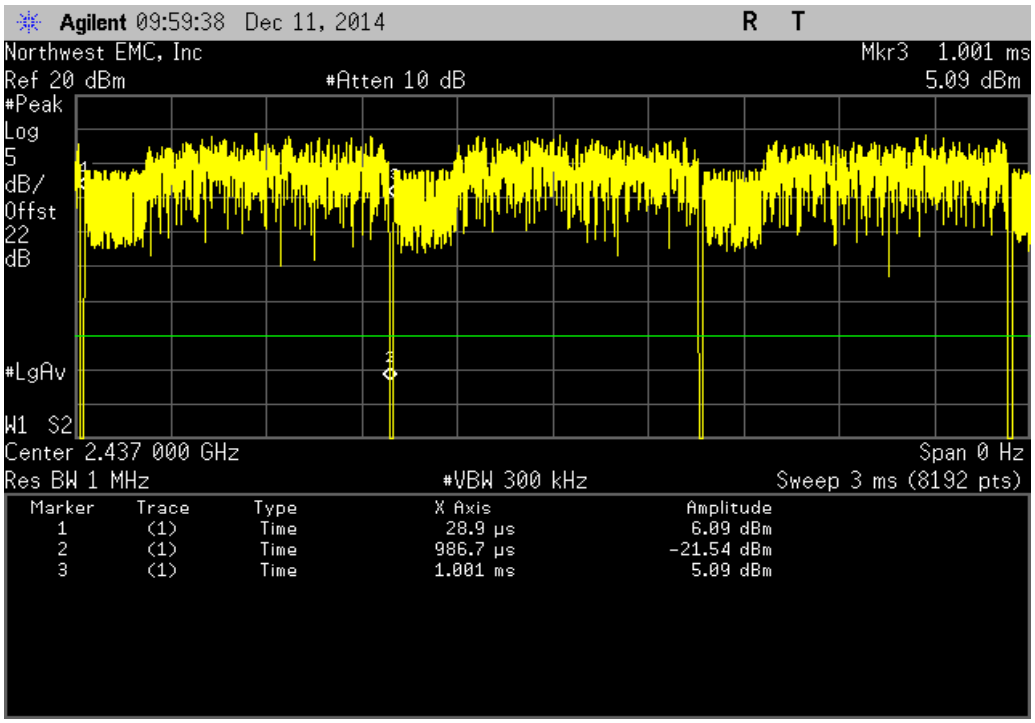


Antenna 1, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

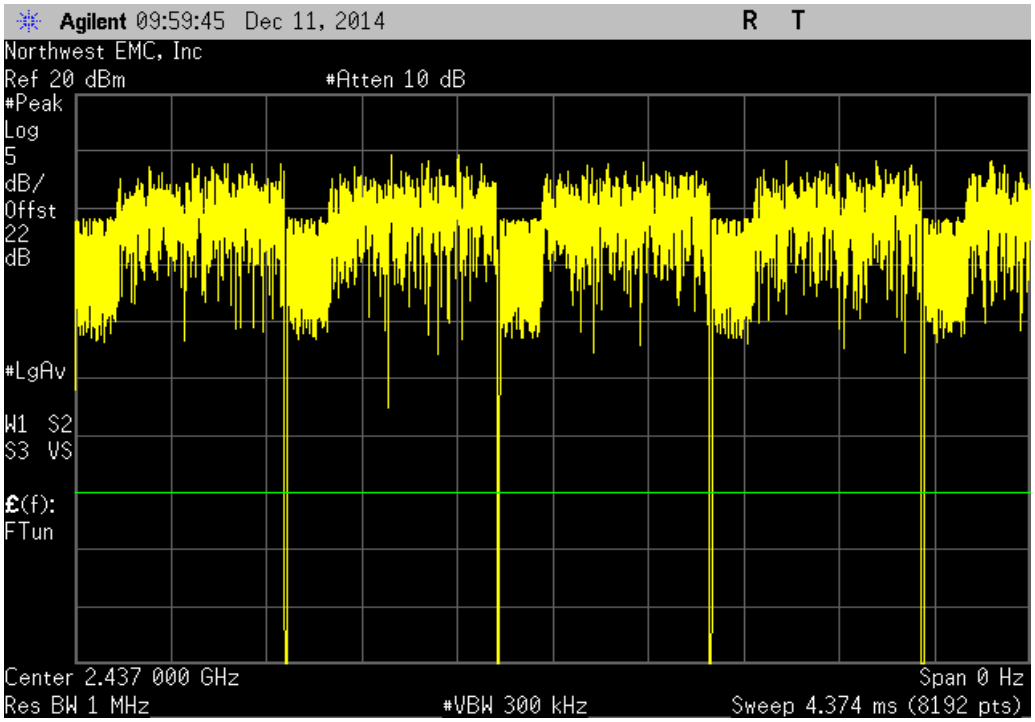


DUTY CYCLE

Antenna 1, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	957.8 us	972.1 us	1	98.5	N/A	N/A

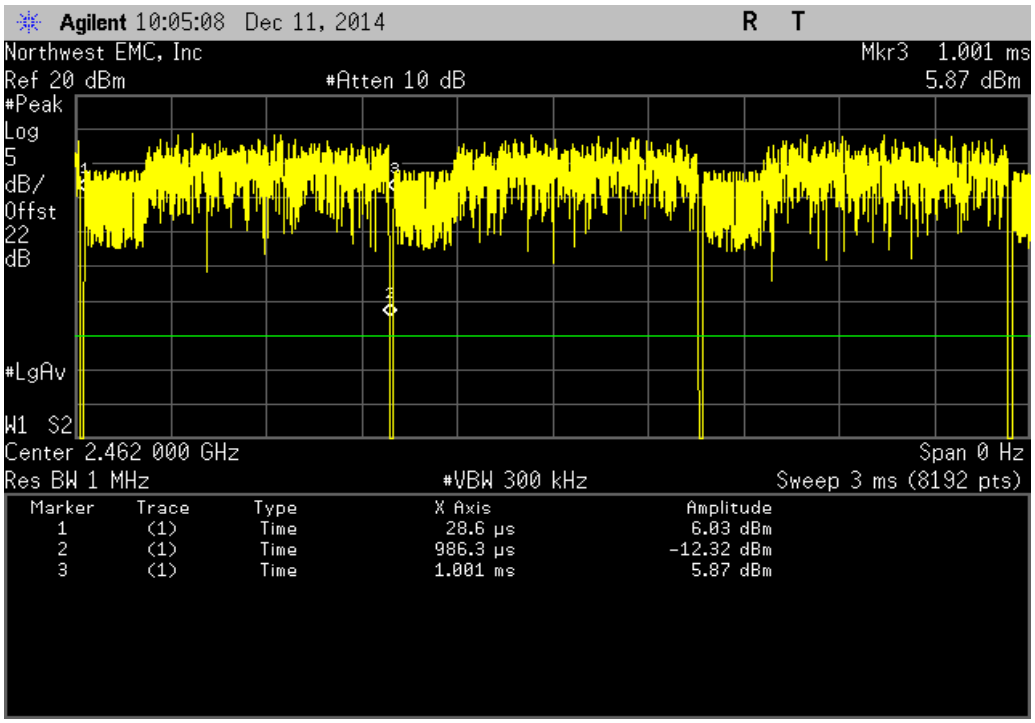


Antenna 1, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

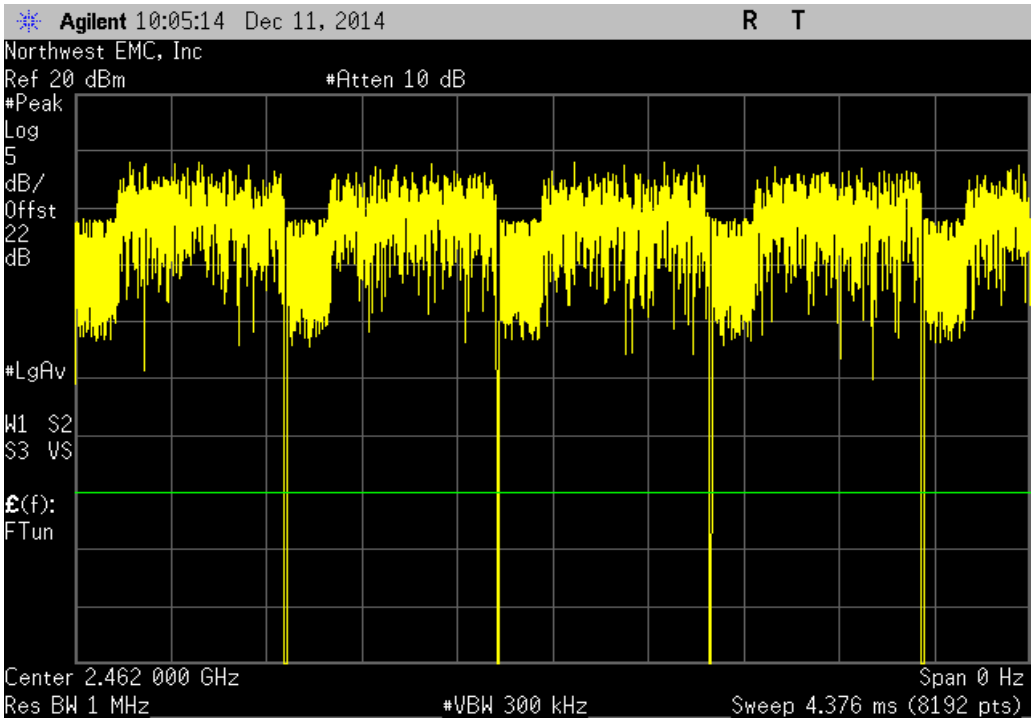


DUTY CYCLE

Antenna 1, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	957.7 us	972.4 us	1	98.5	N/A	N/A

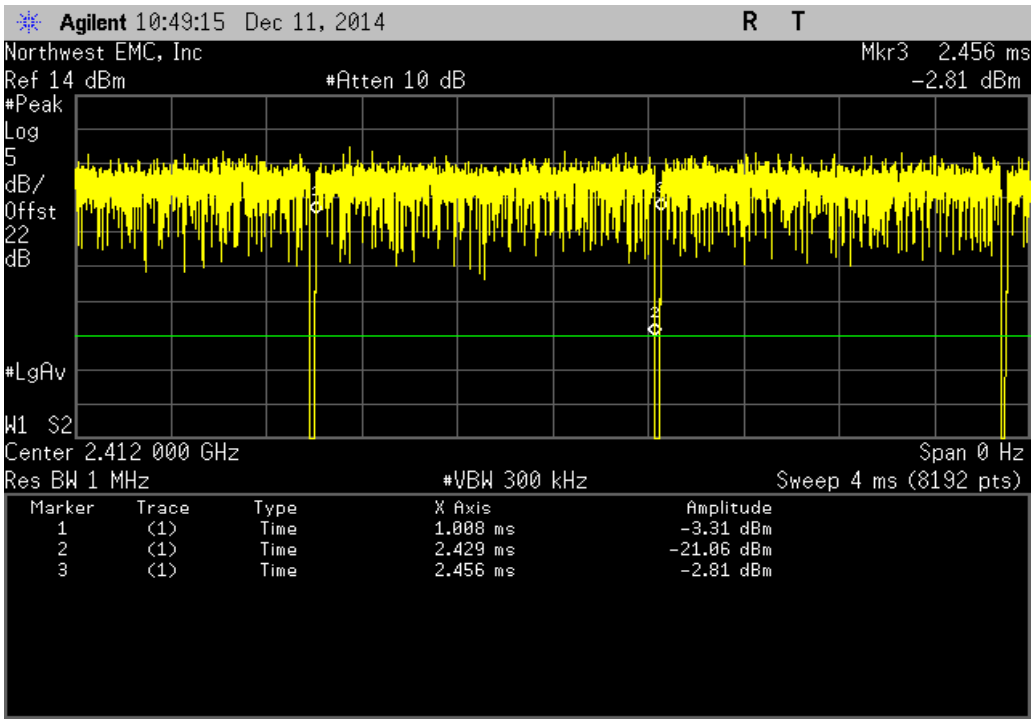


Antenna 1, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

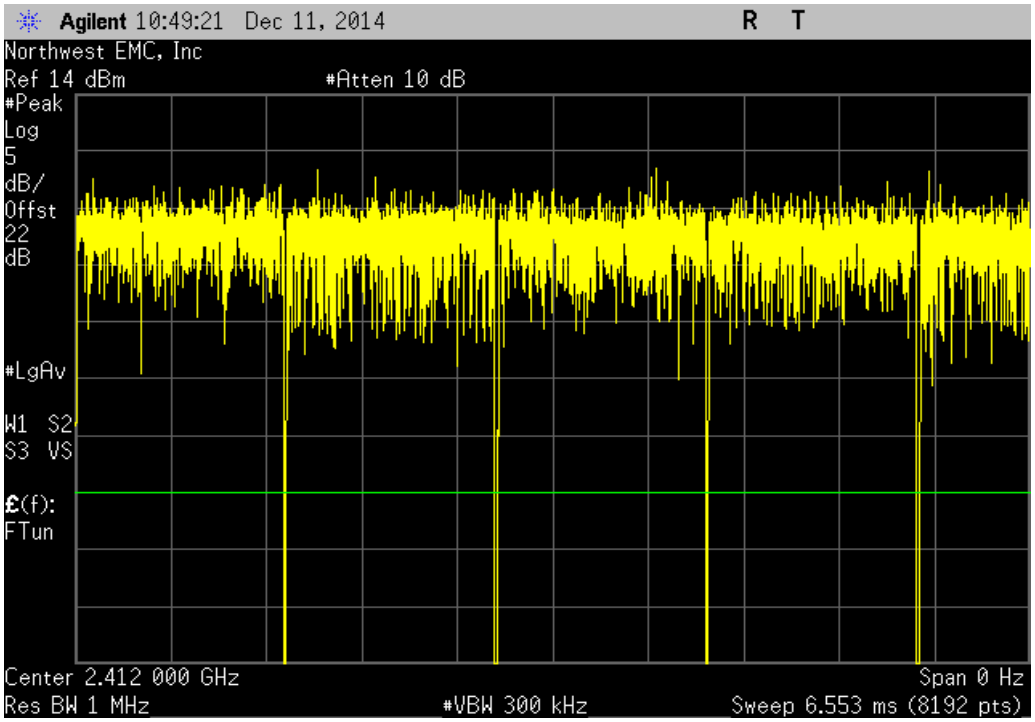


DUTY CYCLE

Antenna 1, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.421 ms	1.449 ms	1	98.1	N/A	N/A

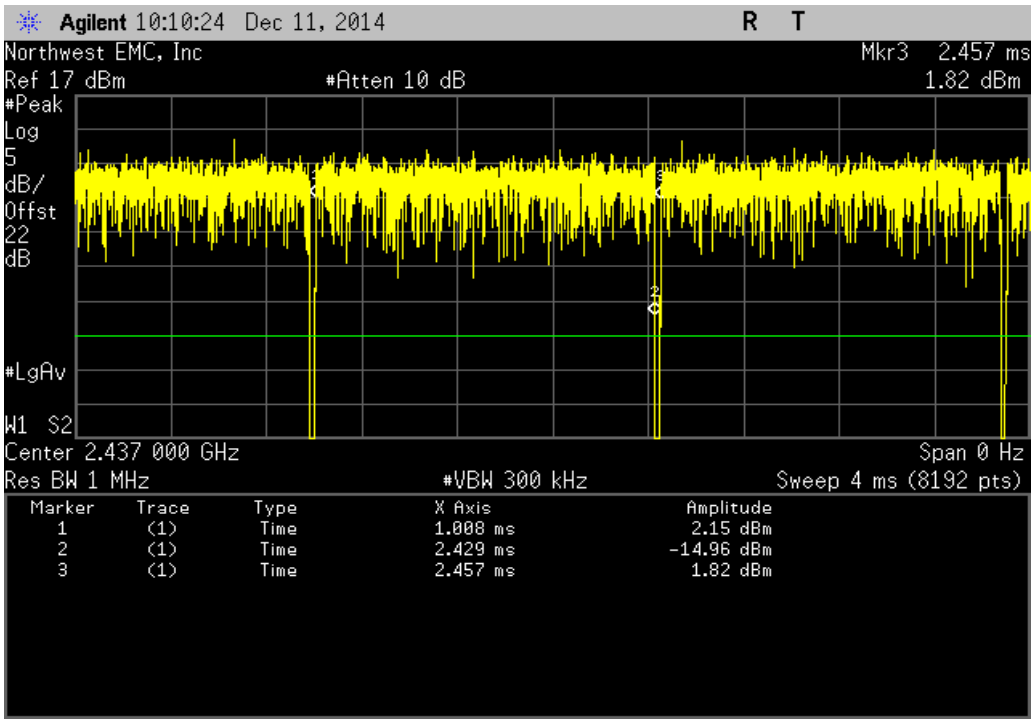


Antenna 1, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

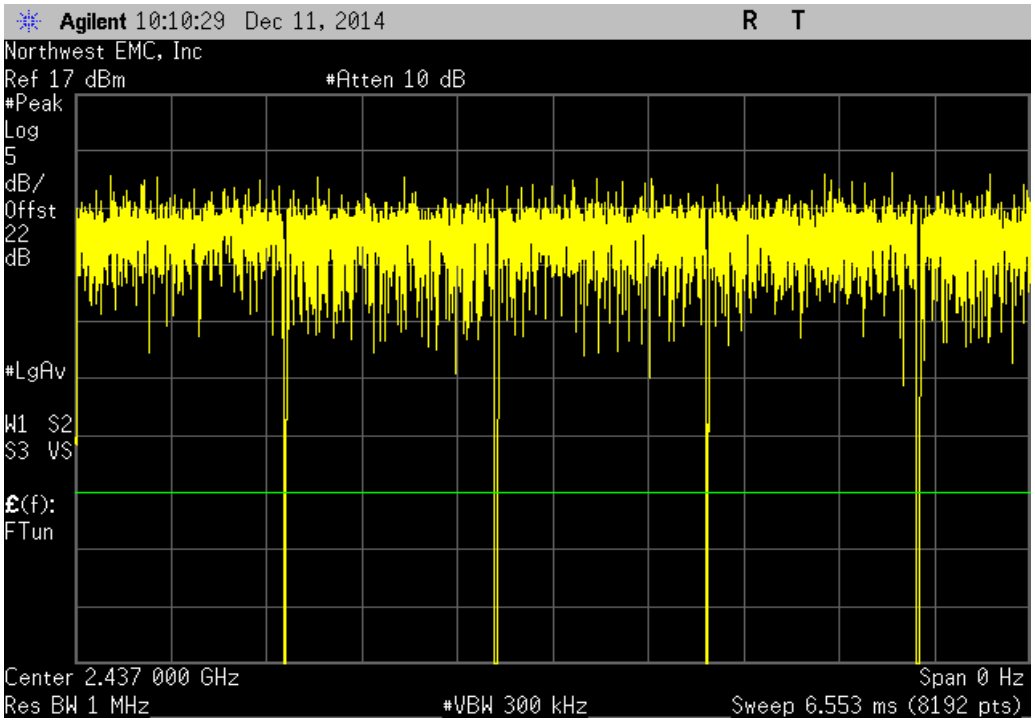


DUTY CYCLE

Antenna 1, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.421 ms	1.448 ms	1	98.1	N/A	N/A

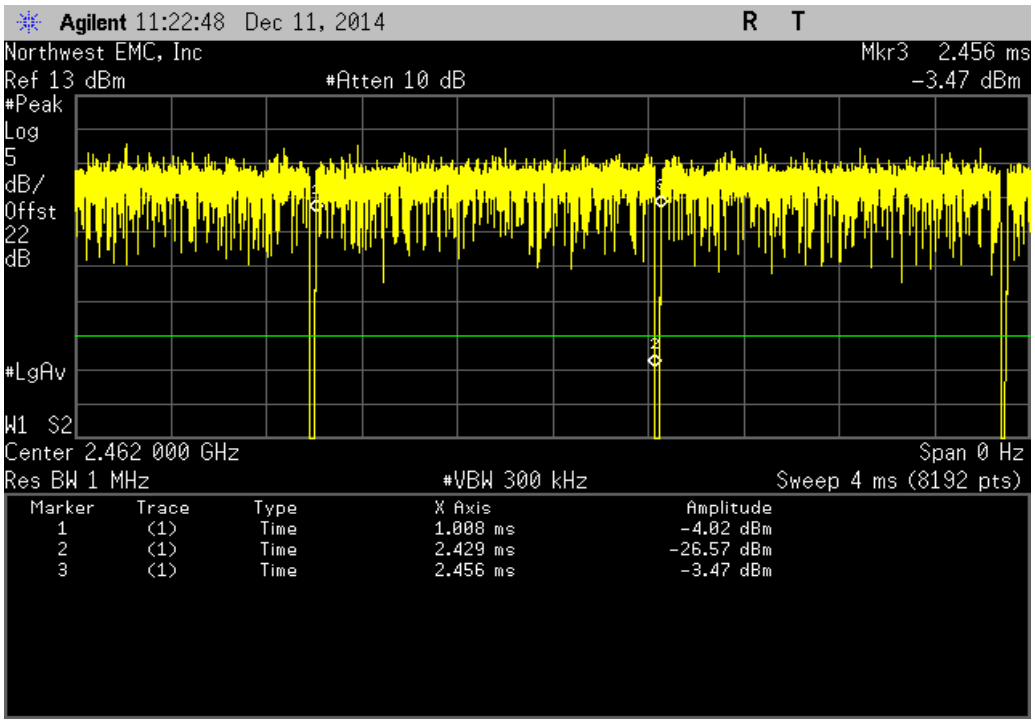


Antenna 1, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

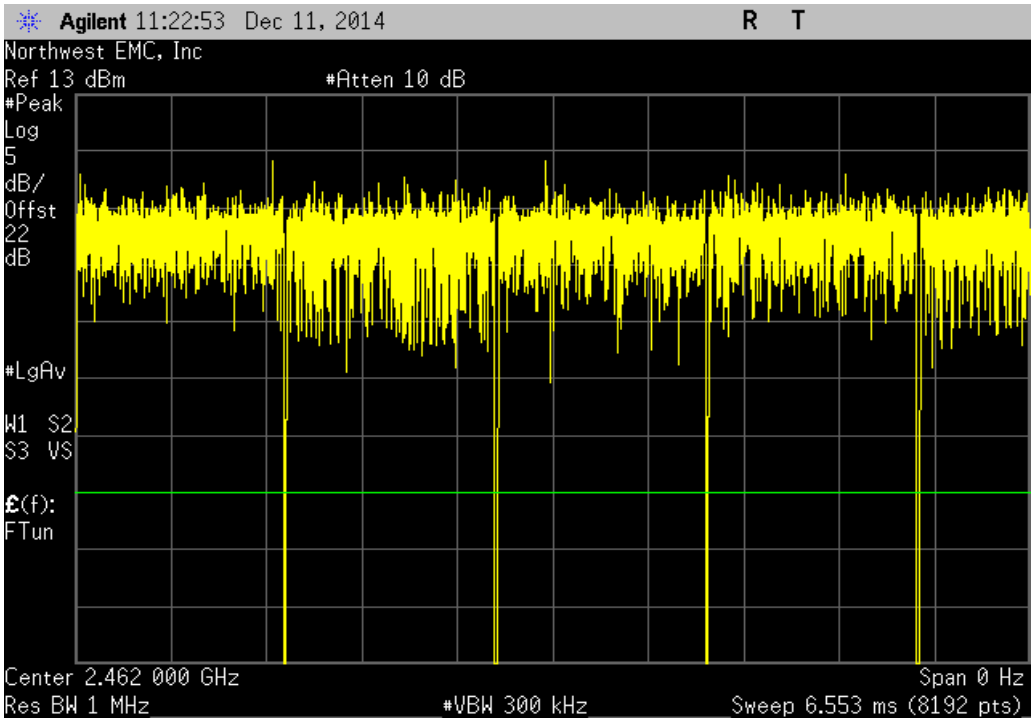


DUTY CYCLE

Antenna 1, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.421 ms	1.449 ms	1	98.1	N/A	N/A

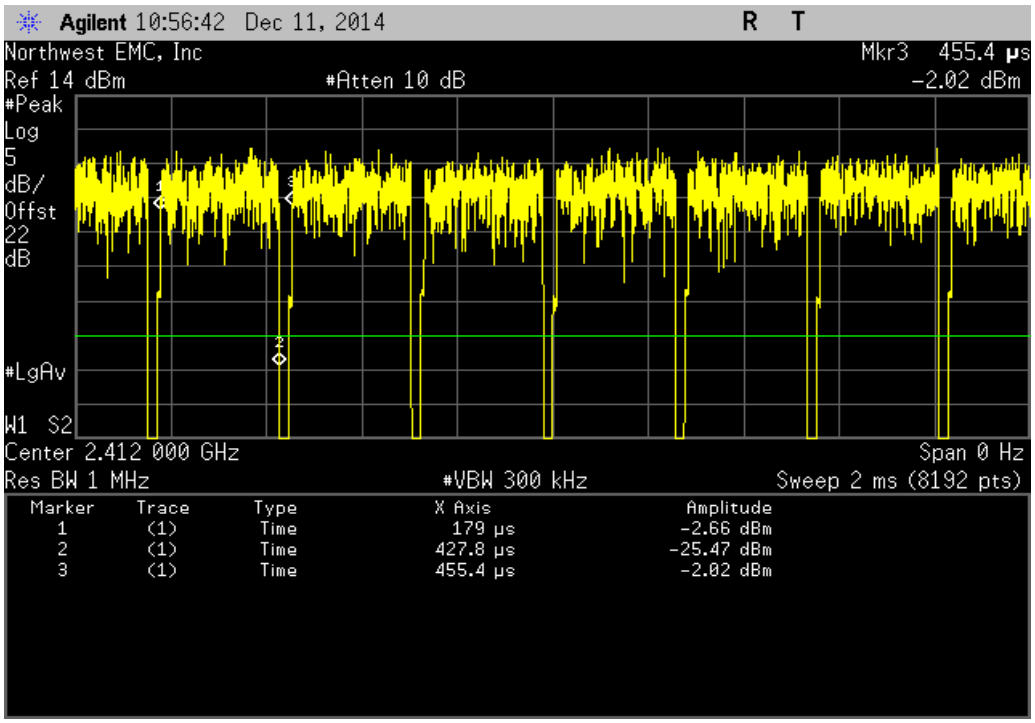


Antenna 1, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

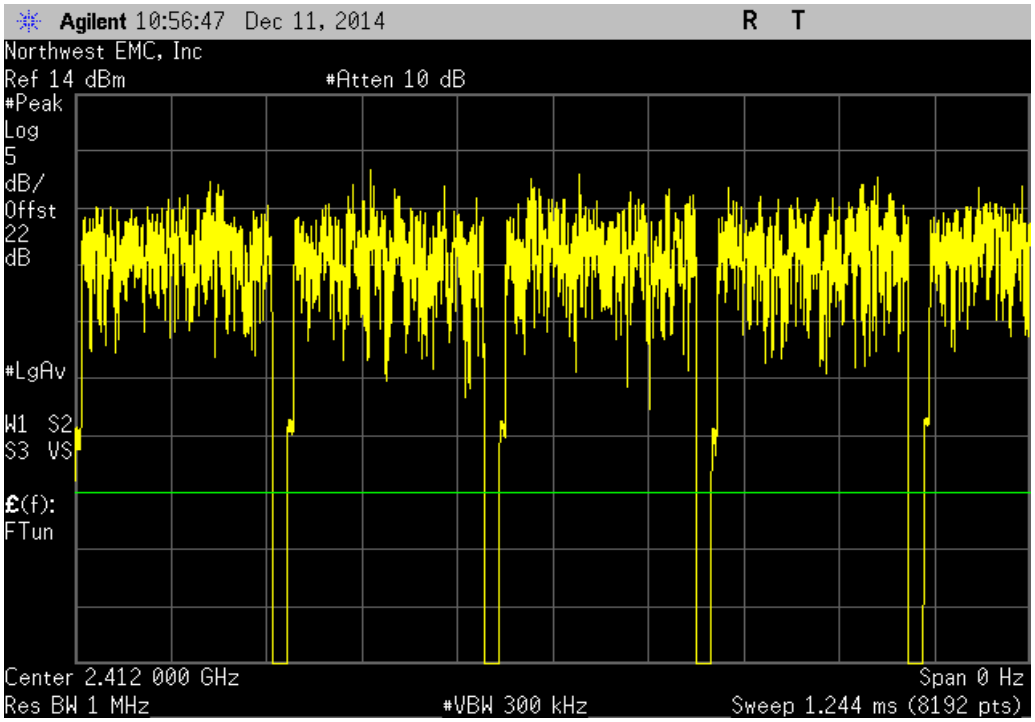


DUTY CYCLE

Antenna 1, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	248.8 us	276.4 us	1	90	N/A	N/A

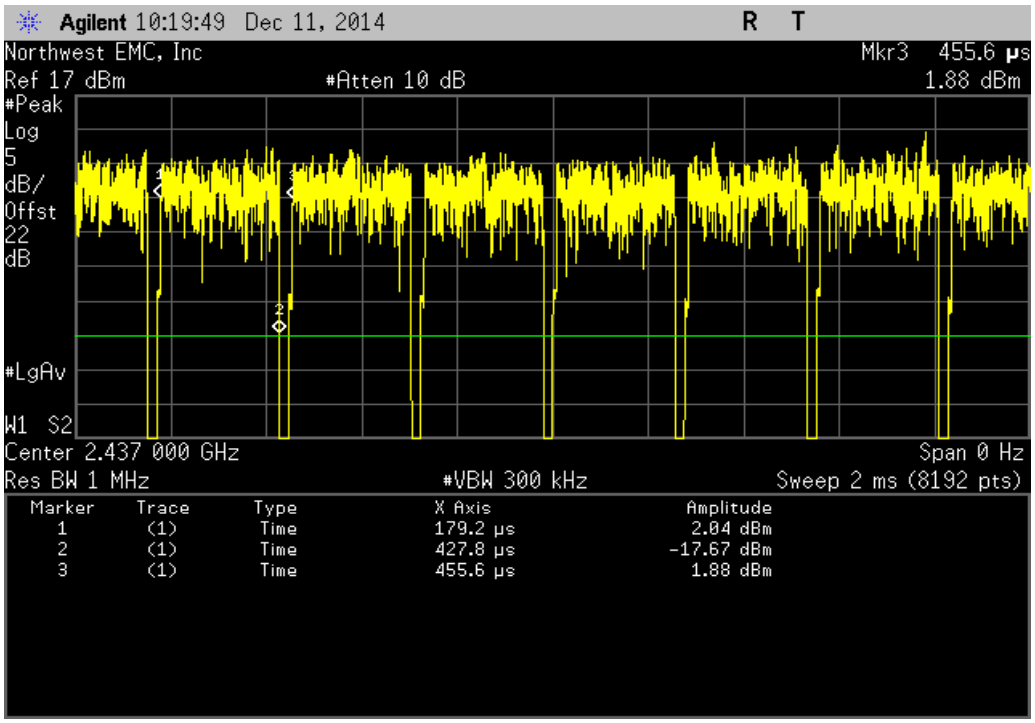


Antenna 1, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

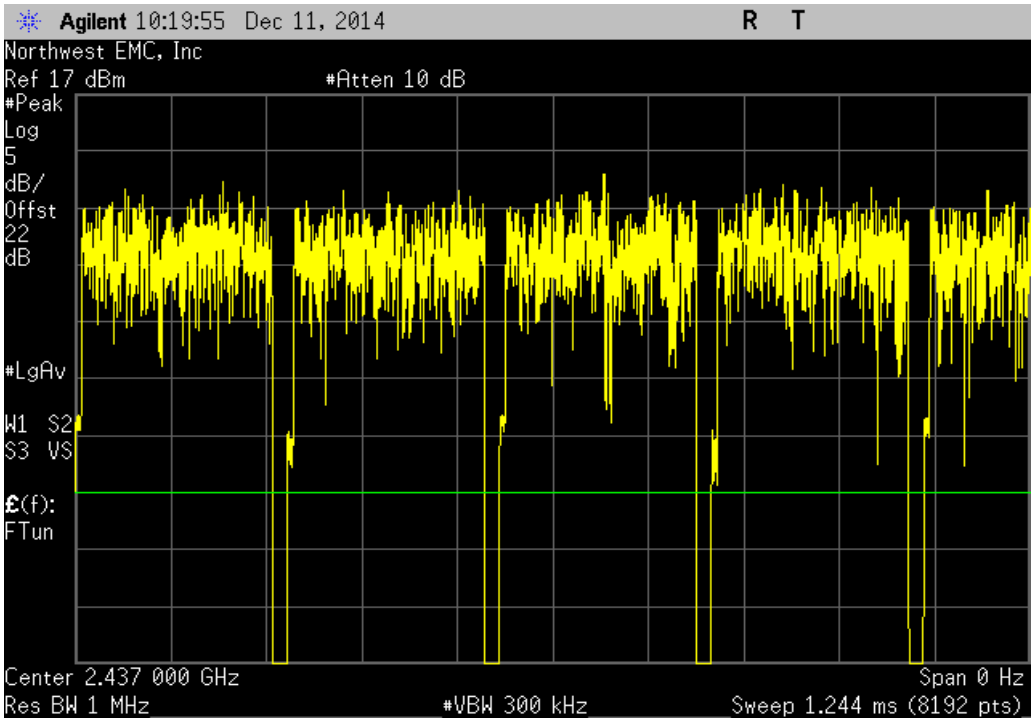


DUTY CYCLE

Antenna 1, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	248.6 us	276.4 us	1	89.9	N/A	N/A

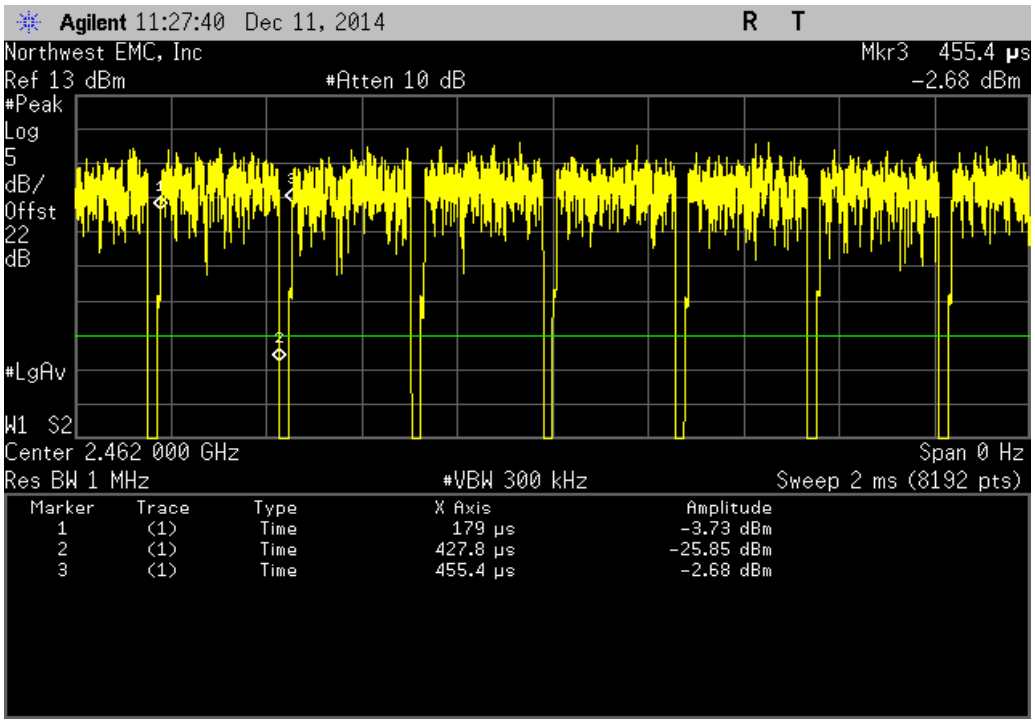


Antenna 1, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A

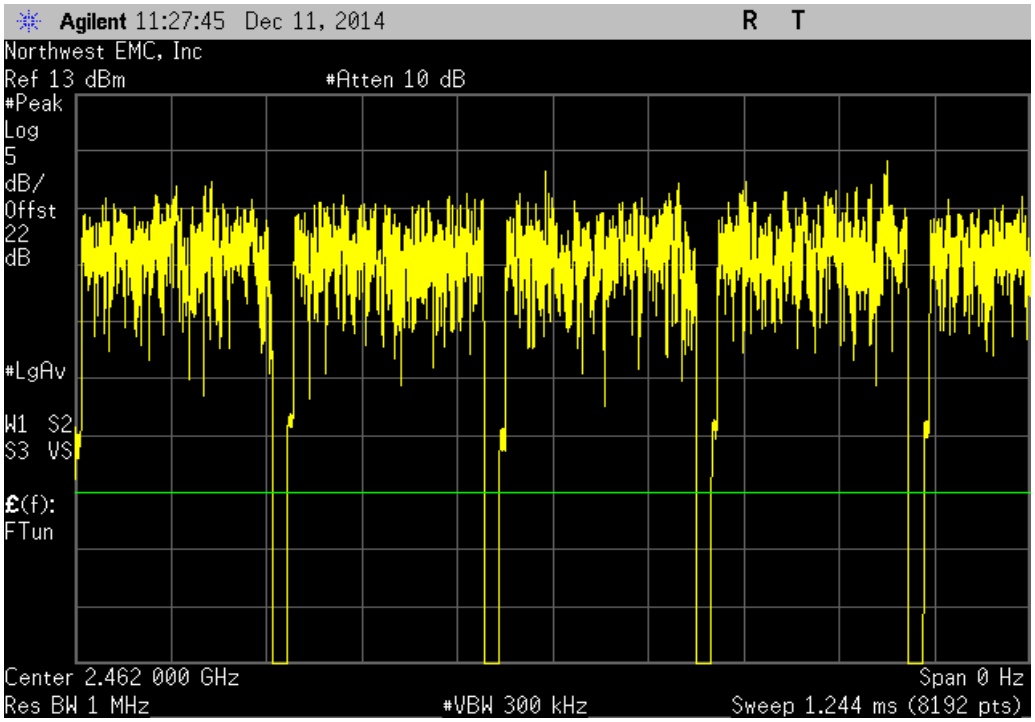


DUTY CYCLE

Antenna 1, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	248.8 us	276.4 us	1	90	N/A	N/A

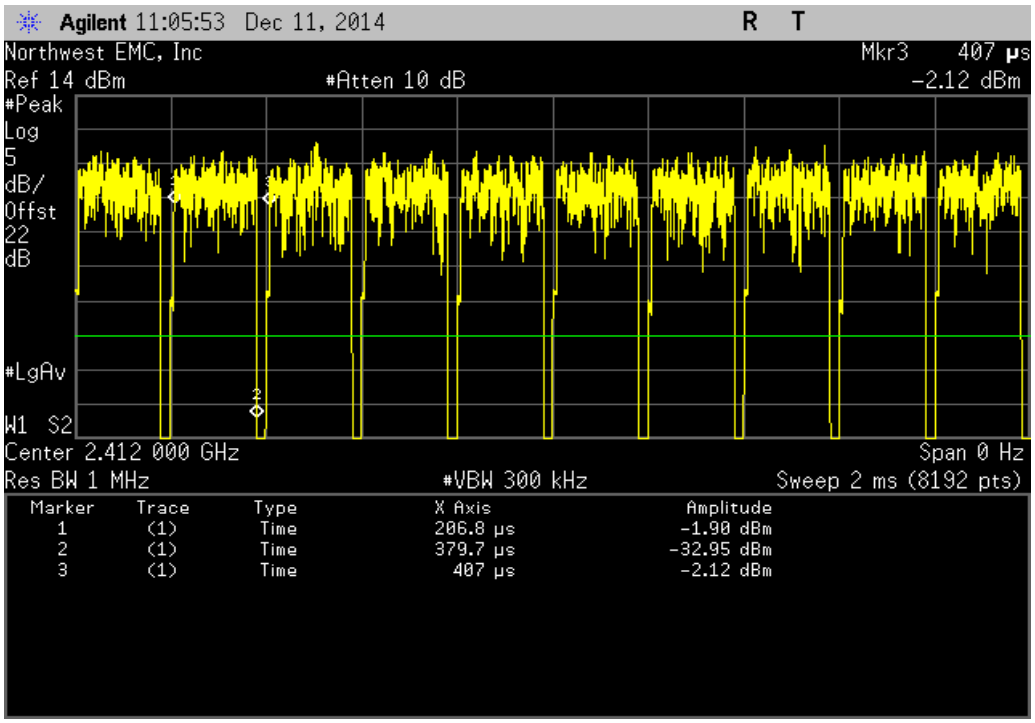


Antenna 1, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

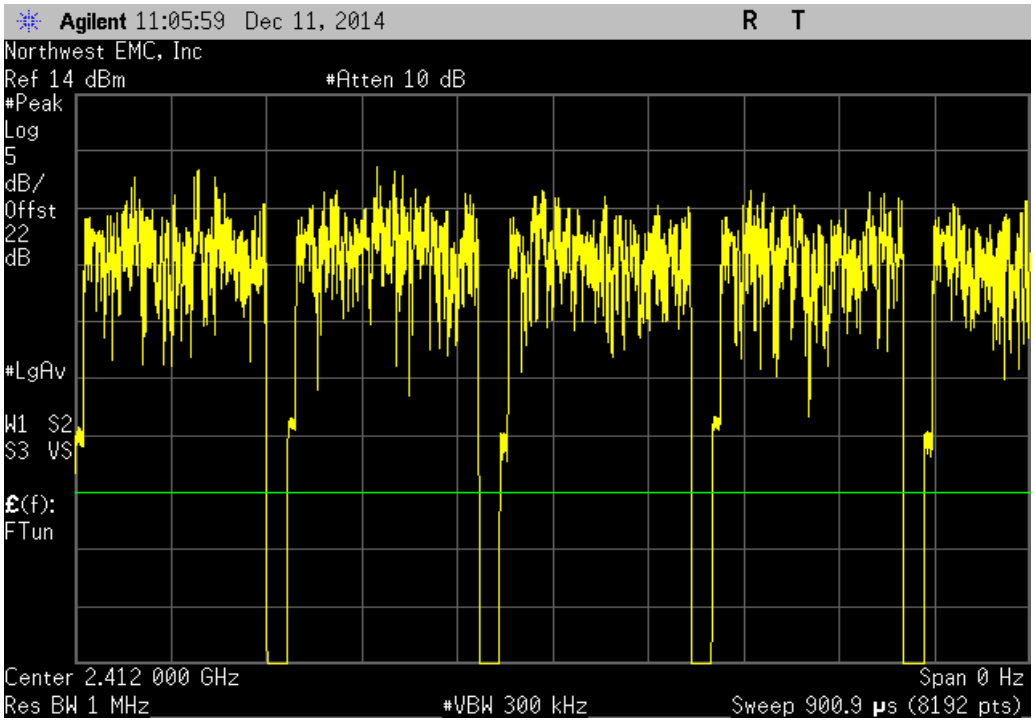


DUTY CYCLE

Antenna 1, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	172.9 us	200.2 us	1	86.4	N/A	N/A

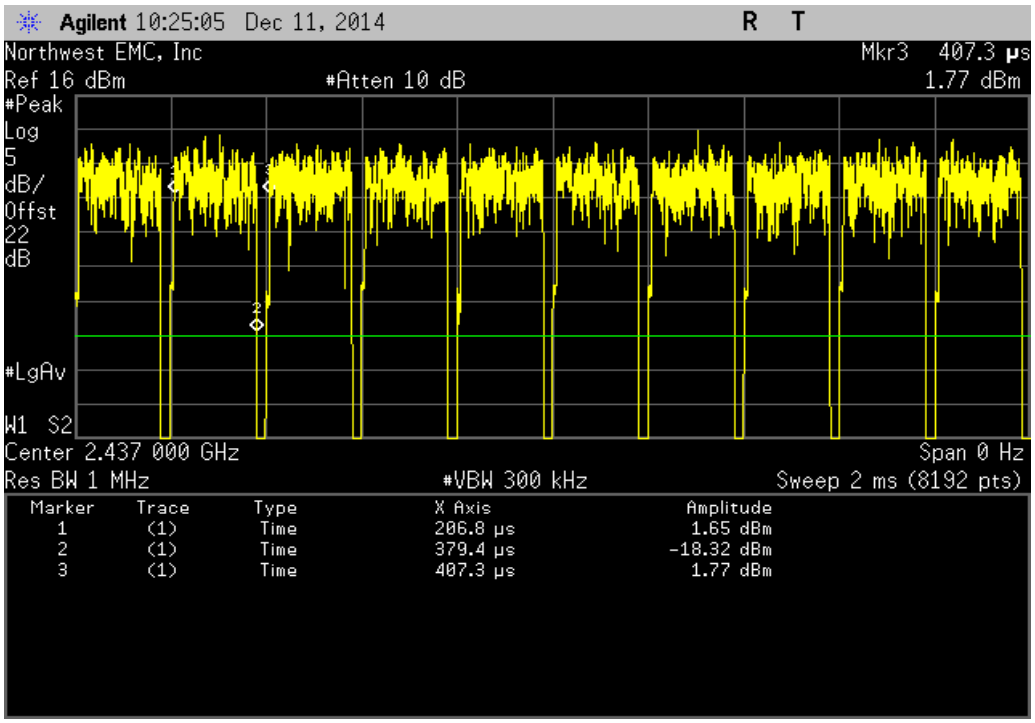


Antenna 1, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

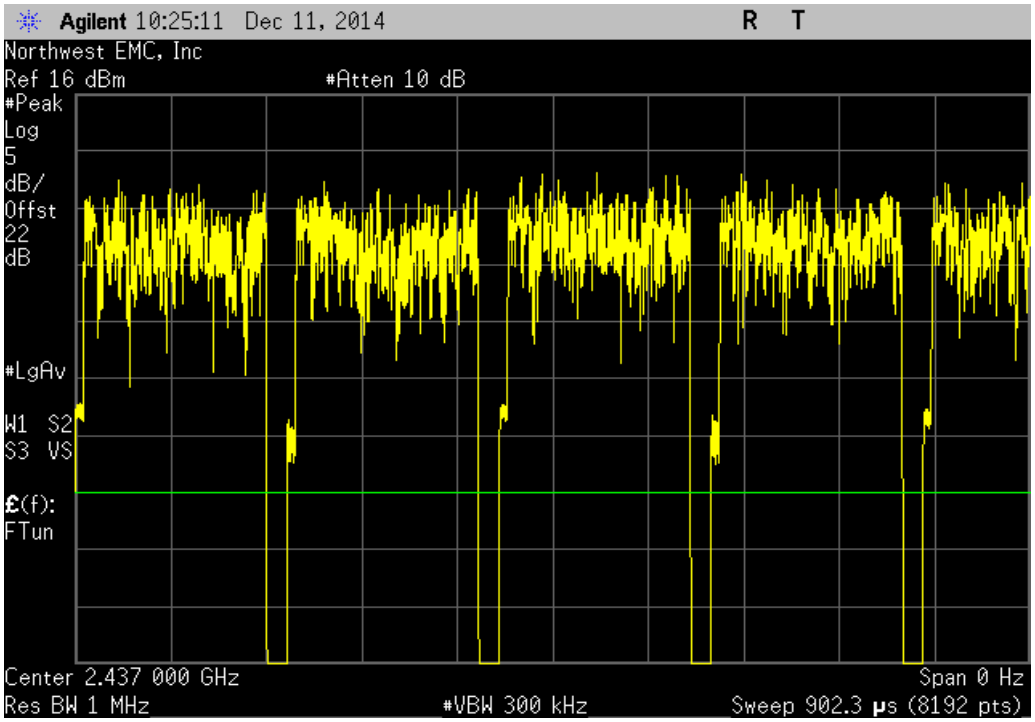


DUTY CYCLE

Antenna 1, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	172.6 us	200.5 us	1	86.1	N/A	N/A

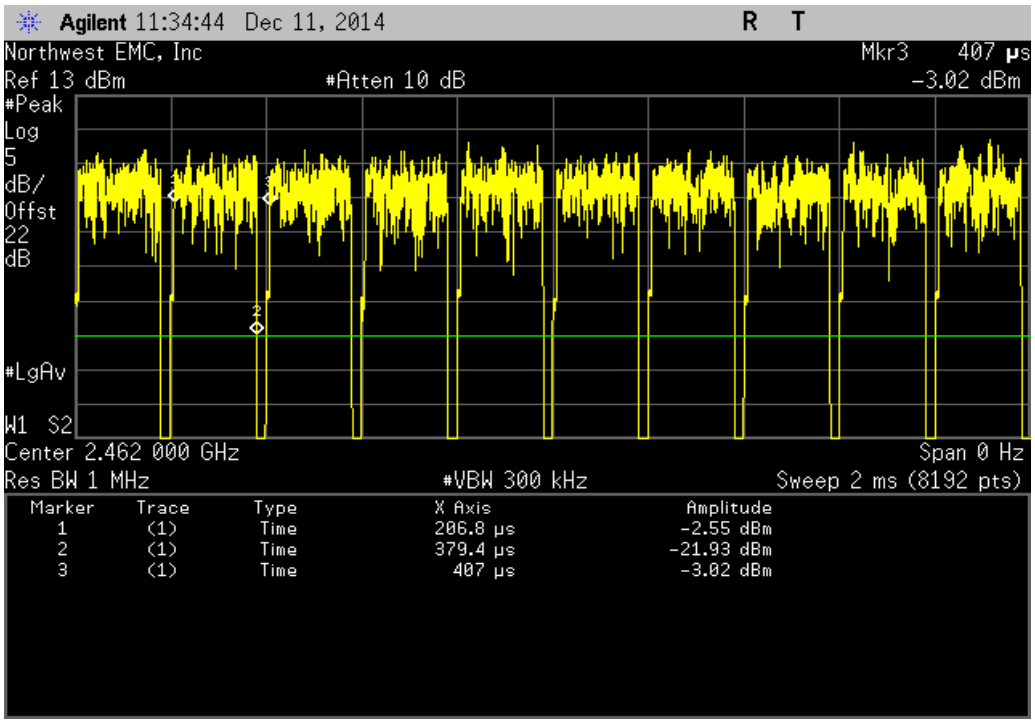


Antenna 1, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

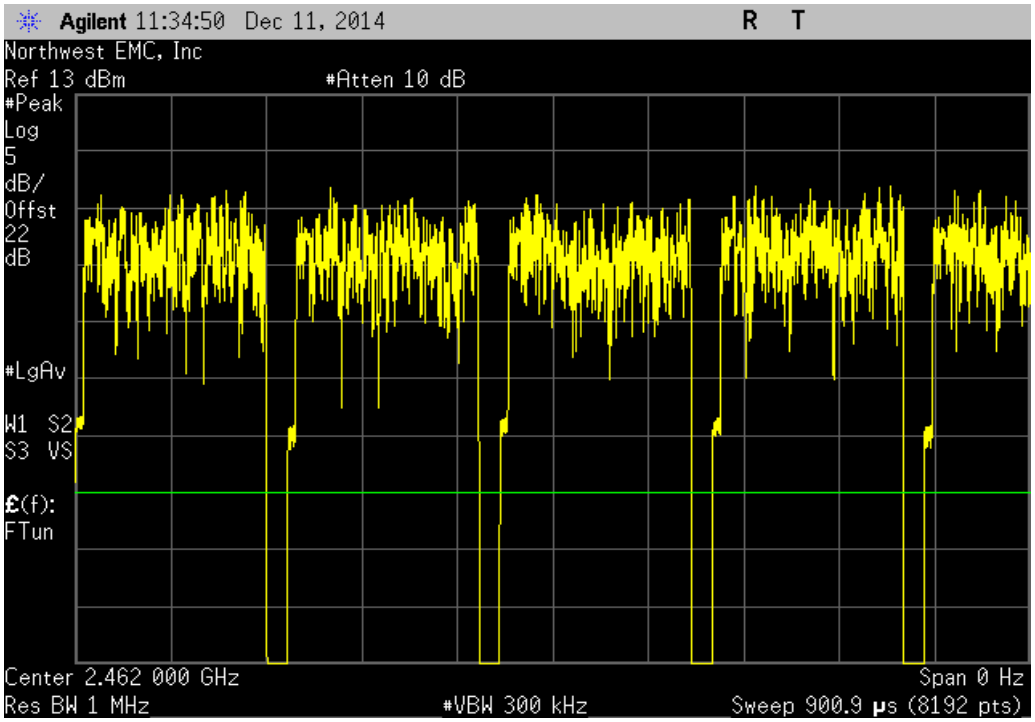


DUTY CYCLE

Antenna 1, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	172.6 us	200.2 us	1	86.2	N/A	N/A

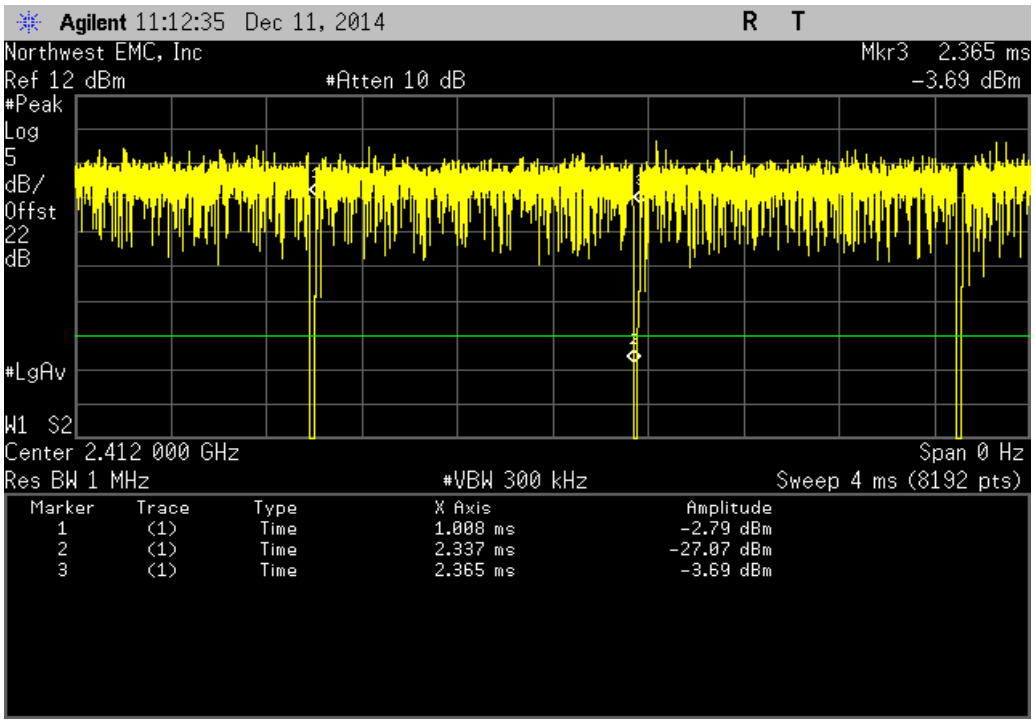


Antenna 1, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

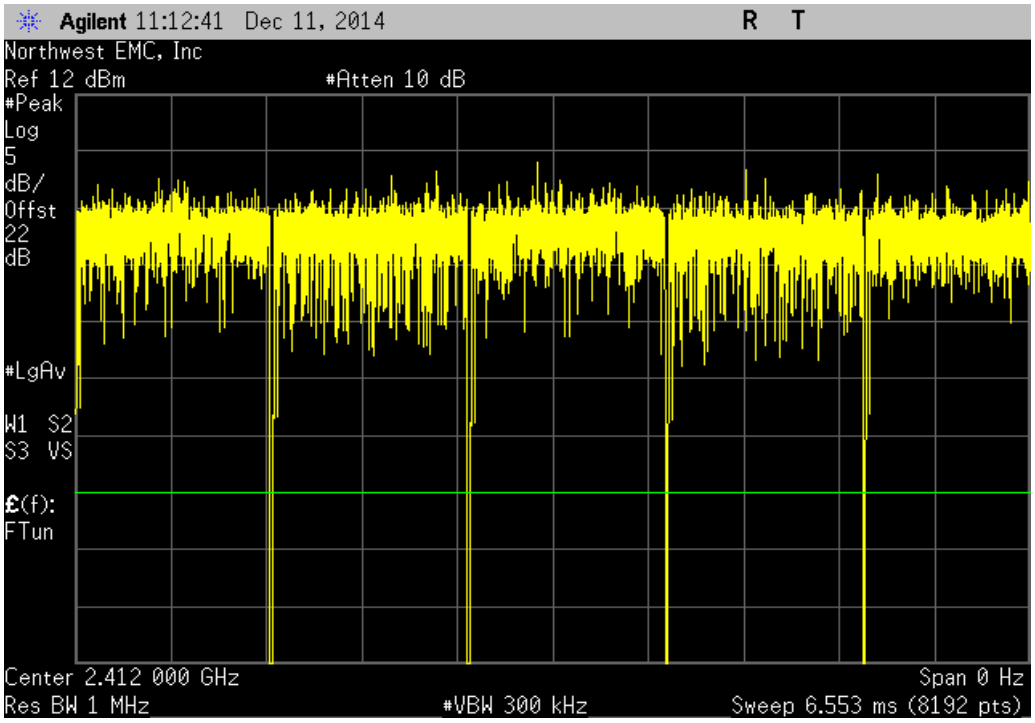


DUTY CYCLE

Antenna 1, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.329 ms	1.356 ms	1	98	N/A	N/A

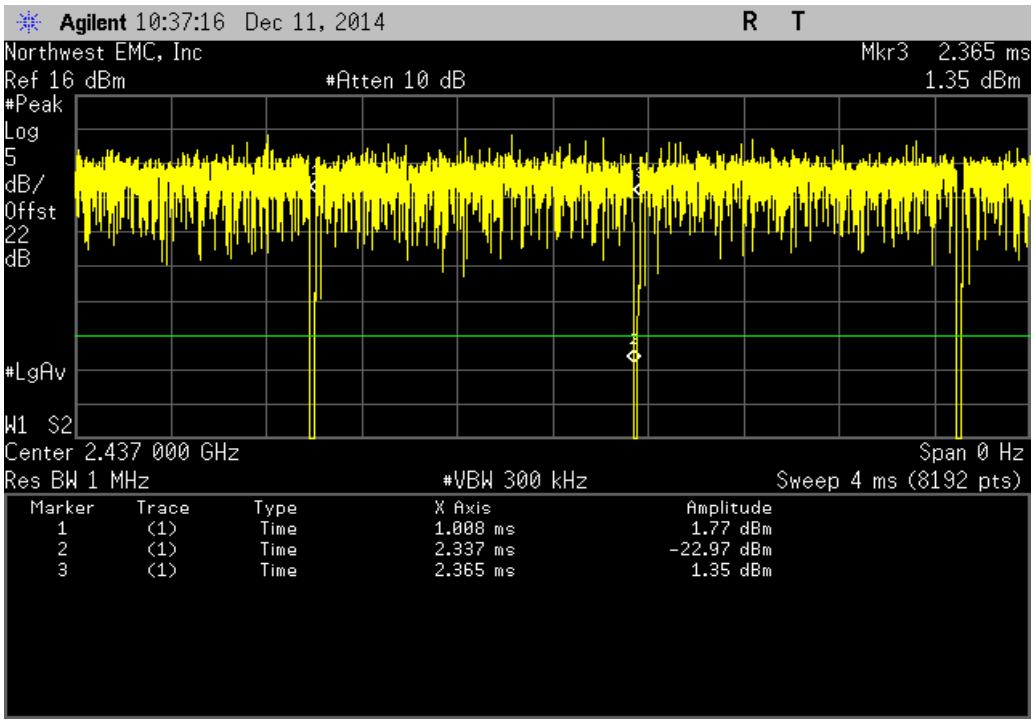


Antenna 1, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

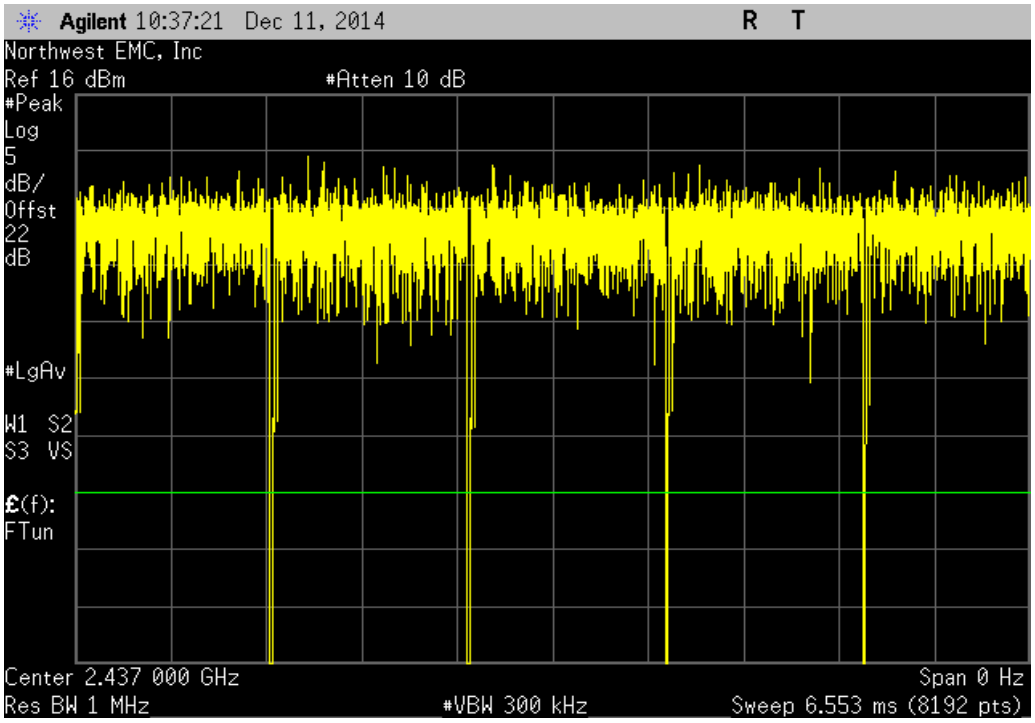


DUTY CYCLE

Antenna 1, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.329 ms	1.356 ms	1	98	N/A	N/A

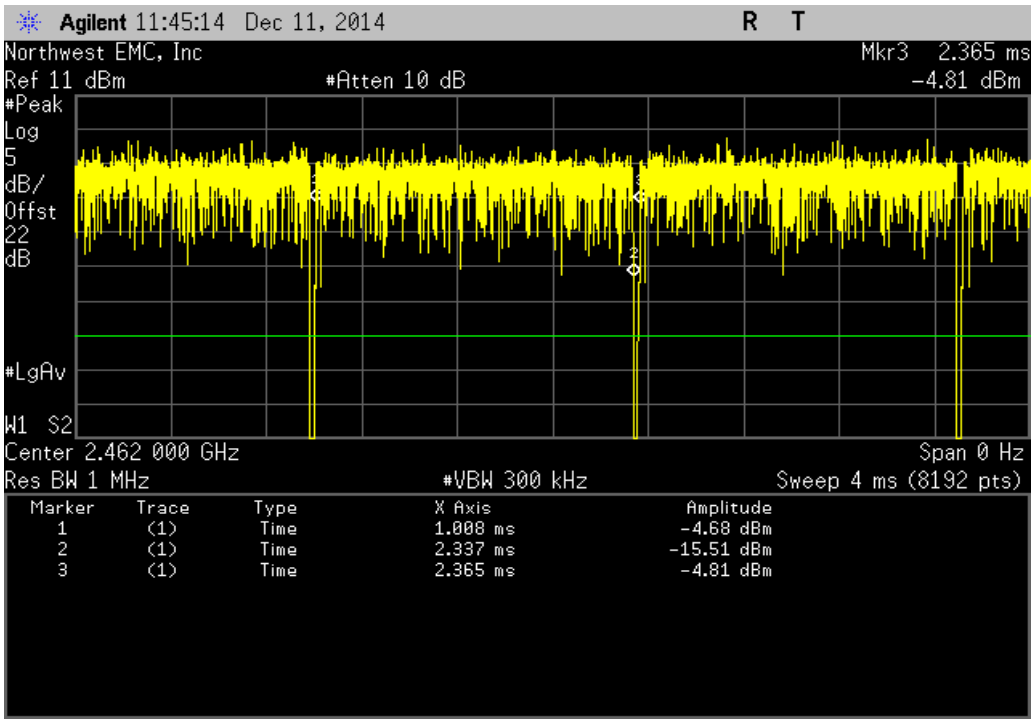


Antenna 1, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

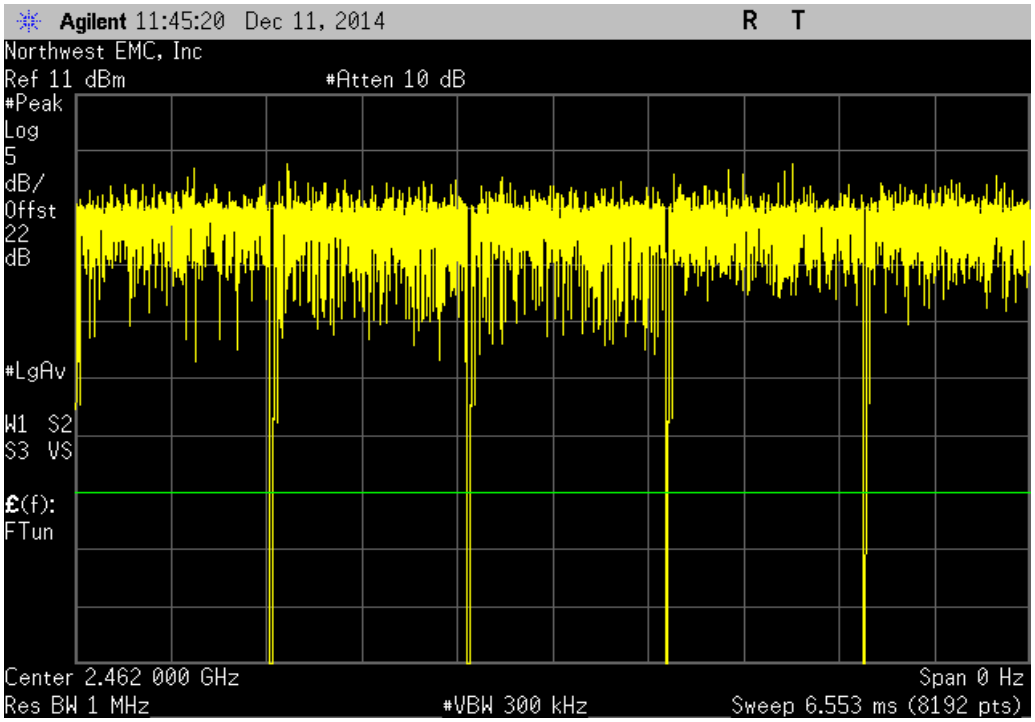


DUTY CYCLE

Antenna 1, 802.11(n) MCS0, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.329 ms	1.357 ms	1	98	N/A	N/A

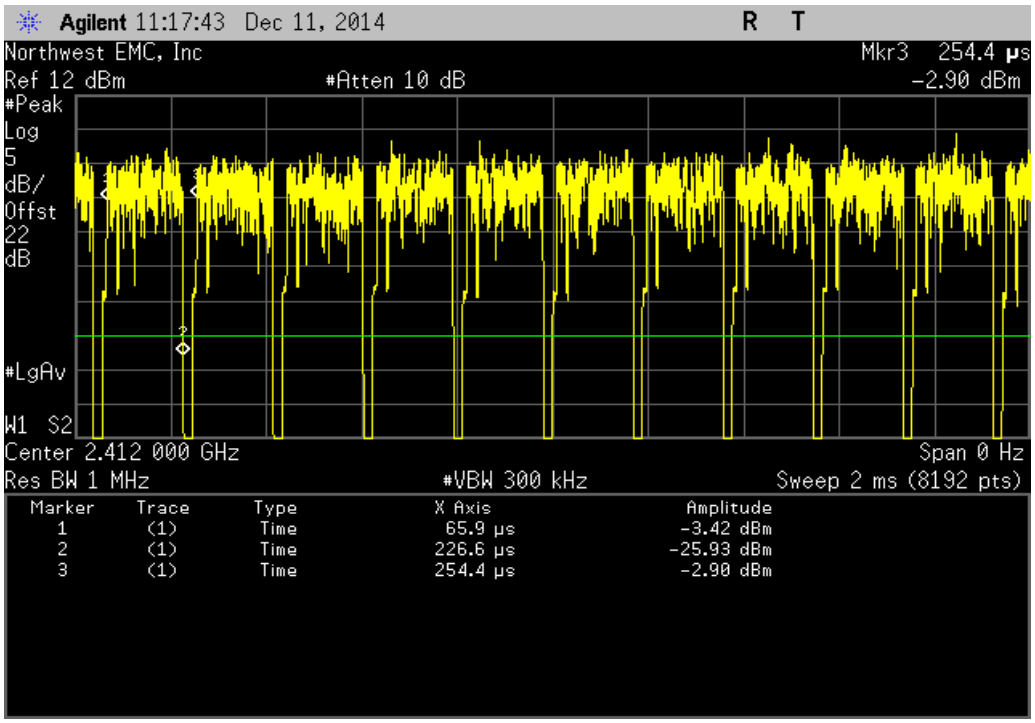


Antenna 1, 802.11(n) MCS0, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

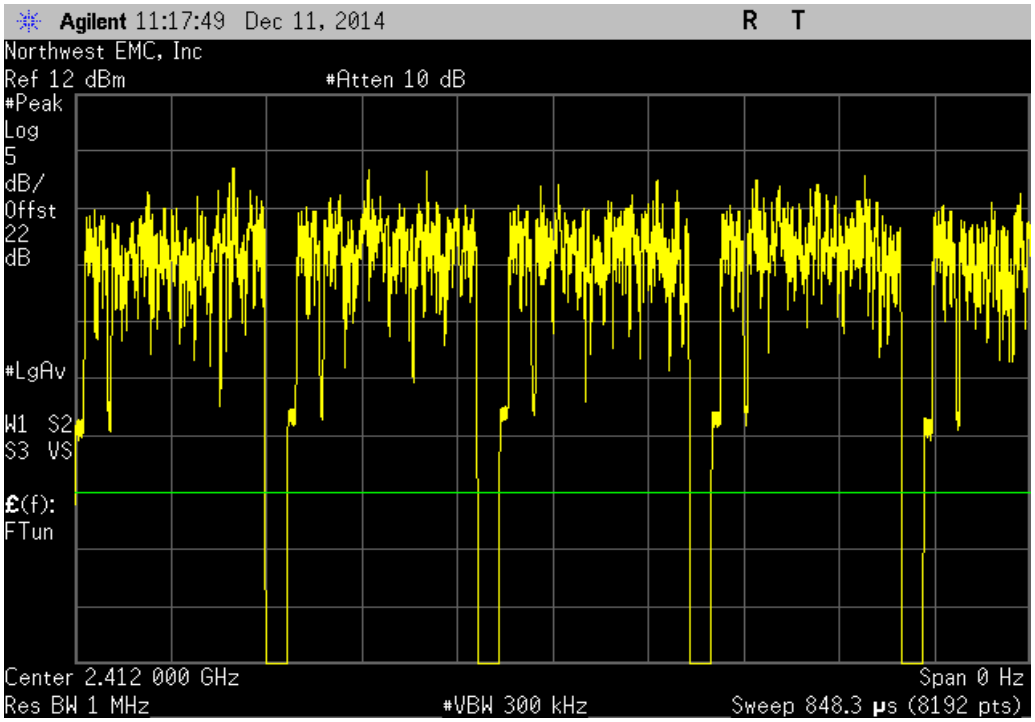


DUTY CYCLE

Antenna 1, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	160.7 us	188.5 us	1	85.3	N/A	N/A

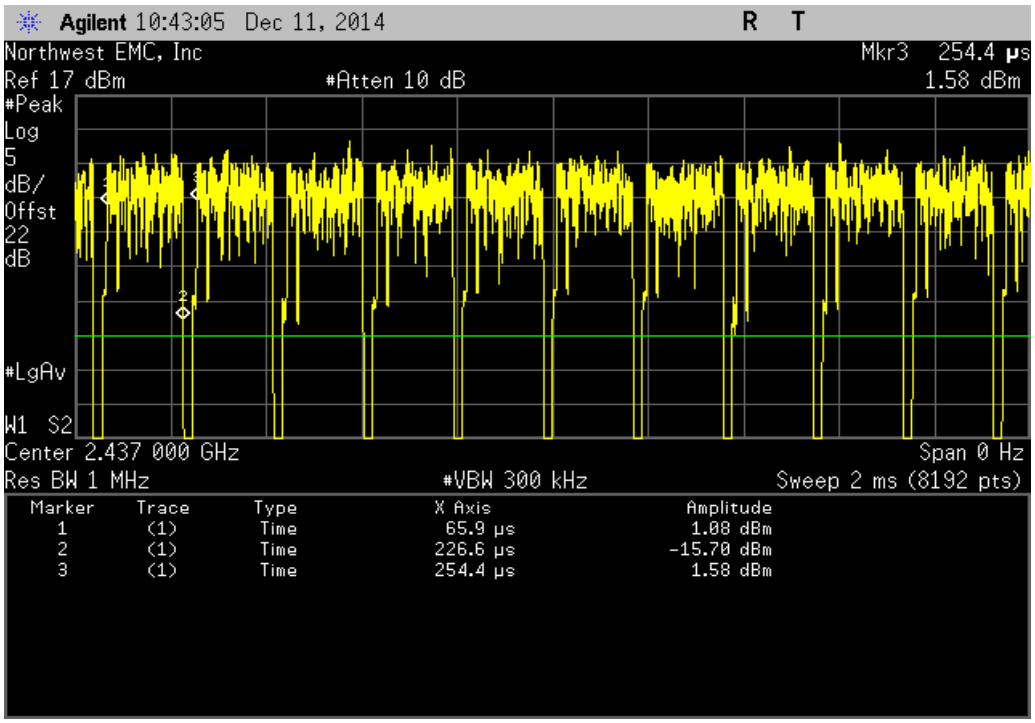


Antenna 1, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A

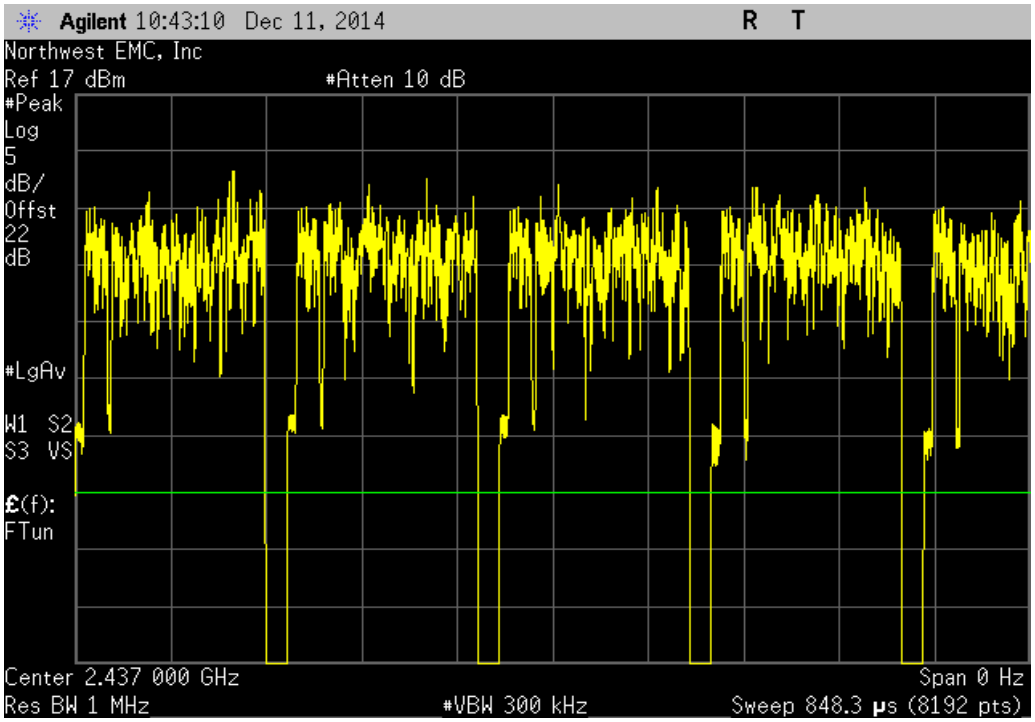


DUTY CYCLE

Antenna 1, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	160.7 us	188.5 us	1	85.3	N/A	N/A

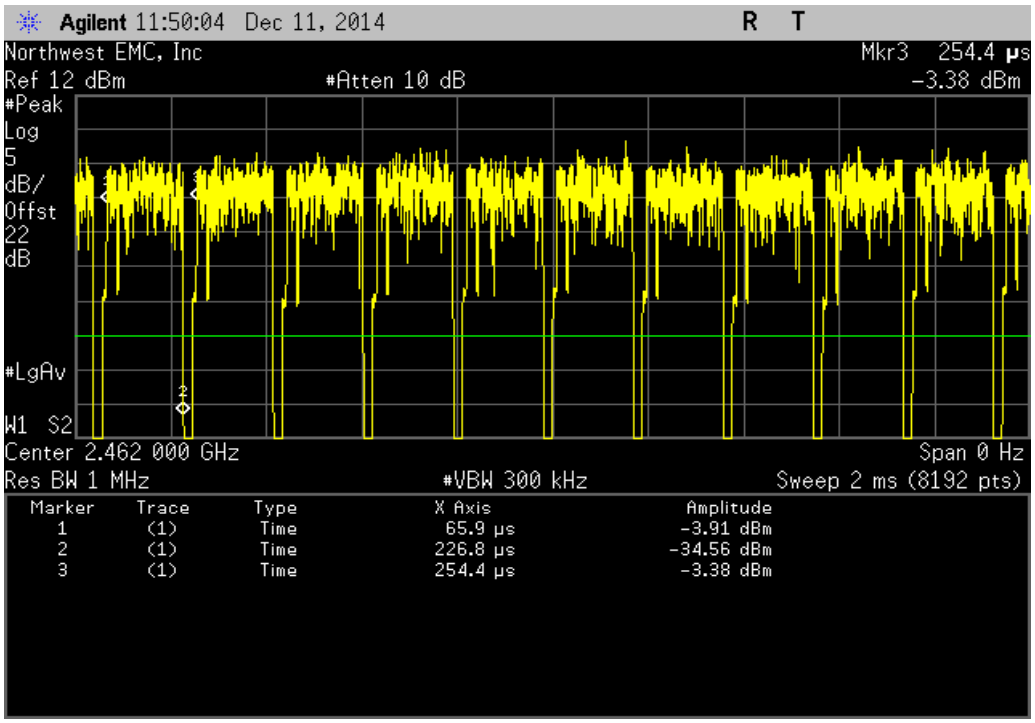


Antenna 1, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A



DUTY CYCLE

Antenna 1, 802.11(n) MCS7, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	160.9 us	188.5 us	1	85.4	N/A	N/A



Antenna 1, 802.11(n) MCS7, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A