Compliance Certification Services Inc.

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7.4.5. TEST RESULTS

No non-compliance noted

Test Data

Test mode: IEEE 802.11b (Antenna 1)

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	18.73	0.07464		PASS
Mid	2437	18.54	0.07145	1	PASS
High	2462	18.15	0.06531		PASS

Test mode: IEEE 802.11b (Antenna 2)

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	18.58	0.07211		PASS
Mid	2437	18.52	0.07112	1	PASS
High	2462	18.72	0.07447		PASS

Test mode: IEEE 802.11g (Antenna 1)

100t III0a	<u> </u>	r ig (Antenna	· • <i>)</i>		
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	23.15	0.20654		PASS
Mid	2437	23.26	0.21184	1	PASS
High	2462	23.14	0.20606		PASS

Test mode: IEEE 802.11g (Antenna 2)

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2412	24.03	0.25293		PASS
Mid	2437	24.07	0.25527	1	PASS
High	2462	23.98	0.25003		PASS

Test mode: IEEE 802.11n HT20 MHz (Combine with Antenna 1 and Antenna 2)

Channel	Frequency (MHz)		Output Power (dBm)			Limit (W)	Result
		Chain 0	Chain 1	Total	/\A/\		
Low	2422	22.09	23.12	25.65	0.36692		PASS
Mid	2437	22.03	23.04	25.57	0.36096	1	PASS
High	2452	22.43	22.93	25.70	0.37132		PASS

Test mode: IEEE 802.11n HT40 MHz (Combine with Antenna 1 and Antenna 2)

Channel	Frequency (MHz)		Output Power (dBm)			Limit (W)	Result
		Chain 0	Chain 1	Total		, ,	
Low	2422	21.43	21.58	24.52	0.28288		PASS
Mid	2437	21.27	21.78	24.54	0.28463	1	PASS
High	2452	21.72	22.12	24.93	0.31152		PASS

Note: Combine Power Calculation:

Total Power(dBm) =log (10 (chain 0 power/10) +10 (chain 1 power/10))*10

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7.5. BAND EDGES MEASUREMENT

7.5.1. LIMITS

According to §15.247(d), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a) (see Section 15.205(c)).

7.5.2. TEST INSTRUMENTS

	Radiated I	Emission Test	Site 966(2)		
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	03/01/2014	03/01/2015
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	03/09/2014	03/08/2015
Amplifier	MITEQ	AM-1604-3000	1123808	03/18/2015	03/18/2015
High Noise Amplifier	Agilent	8449B	3008A01838	03/18/2015	03/18/2015
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	07/10/2014	07/09/2015
Bilog Antenna	SCHAFFNER	CBL6143	5082	03/01/2014	03/01/2015
Horn Antenna	SCHWARZBECK	BBHA9120	D286	03/01/2014	03/01/2015
Loop Antenna	A、R、A	PLA-1030/B	1029	09/27/2013	09/26/2014
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R
Controller	СТ	N/A	N/A	N.C.R	N.C.R
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/28/2014	02/28/2015
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Test S/W	FARAD		LZ-RF / CCS	S-SZ-3A2	

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

- 2. The FCC Site Registration number is 101879.
- 3. N.C.R = No Calibration Required.

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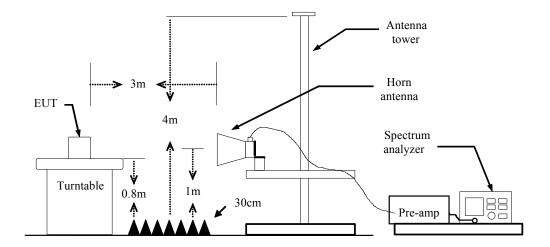
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7.5.3. TEST PROCEDURES (please refer to measurement standard)

- 1. The EUT is placed on a turntable, which is 0.8m above the ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
- 5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are

7.5.4. TEST SETUP



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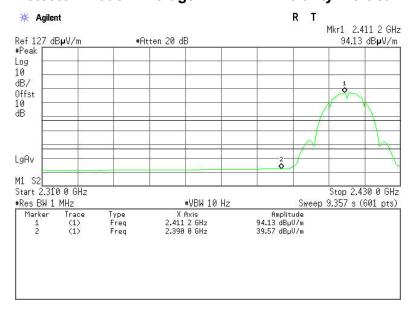
7.5.5. TEST RESULTS

Test Plot

IEEE 802.11b mode (Antenna 1)

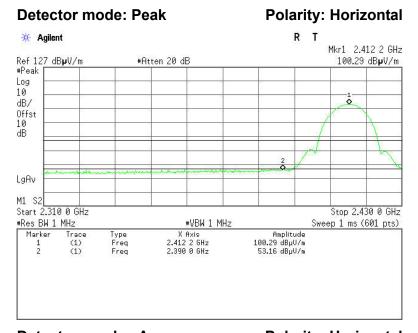
Band Edges (CH Low)

Detector mode: Peak Polarity: Vertical # Agilent Mkr1 2.412 2 GHz Ref 127 dB**µ**V/m #Peak #Atten 20 dB 96.95 dB**µ**V/m Log 10 dB/ Offst 10 LgAv M1 S2 Start 2.310 0 GHz Stop 2.430 0 GHz VBW 1 MHz #Res BW 1 MHz Sweep 1 ms (601 pts) Trace (1) (1) Type Freq Freq X Axis 2.412 2 GHz 2.390 0 GHz Amplitude 96.95 dBμV/m 51.96 dBμV/m Marker



No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	45.36	-6.60	51.96	74.00	-22.04	Peak	Vertical
2	2390.0000	32.97	-6.60	39.57	54.00	-14.43	Average	Vertical

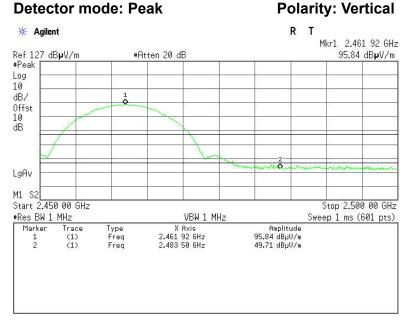


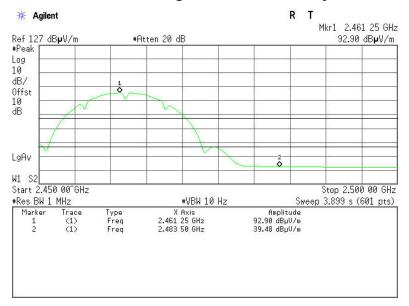


Polarity: Horizontal Detector mode: Average R T # Agilent Mkr1 2.411 2 GHz Ref 127 dB**µ**V/m #Peak #Atten 20 dB 97.43 dB**µ**V/m Log 10 dB/ Offst 10 ďΒ LgAv 2-0 M1 S2 Start 2.310 0 GHz Stop 2.430 0 GHz #Res BW 1 MHz #VBW 10 Hz Sweep 9.357 s (601 pts) Trace (1) (1) Type Freq Freq X Axis 2.411 2 GHz 2.390 0 GHz Amplitude 97.43 dBµV/m 40.75 dBµV/m Marker

No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	46.56	-6.60	53.16	74.00	-20.84	Peak	Horizontal
2	2390.0000	34.15	-6.60	40.75	54.00	-13.25	Average	Horizontal

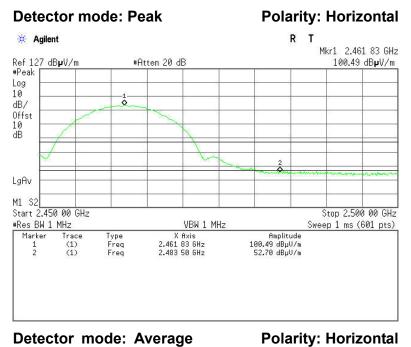
Band Edges (CH High)





No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	43.47	-6.24	49.71	74.00	-24.29	Peak	Vertical
2	2483.5000	33.24	-6.24	39.48	54.00	-14.52	Average	Vertical





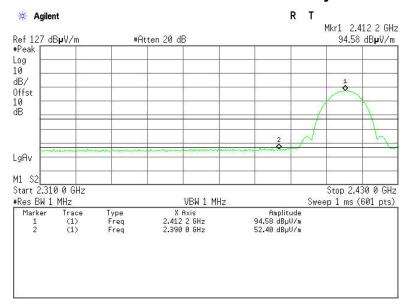
Detector mode: Average # Agilent Mkr1 2.461 25 GHz Ref 127 dBµV/m #Atten 20 dB 97.08 dB**µ**V/m #Peak Log 10 dB/ Offst 10 dB LgAv 0 M1 S2 Start 2.450 00 GHz Stop 2.500 00 GHz #VBW 10 Hz #Res BW 1 MHz Sweep 3.899 s (601 pts) Trace (1) (1) Amplitude 97.08 dBµV/m 40.37 dBµV/m X Axis 2.461 25 GHz 2.483 50 GHz Marker

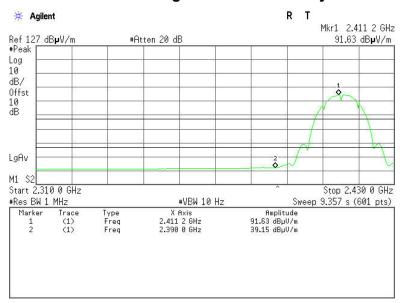
No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	46.46	-6.24	52.70	74.00	-21.30	Peak	Vertical
2	2483.5000	34.13	-6.24	40.37	54.00	-13.63	Average	Vertical

IEEE 802.11b mode (Antenna 2)

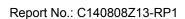
Band Edges (CH Low)

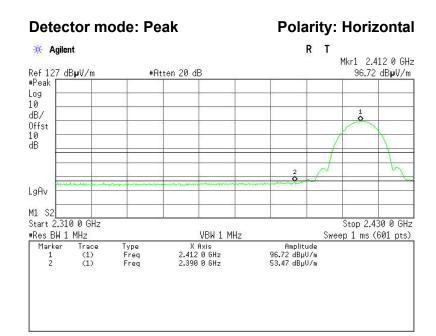
Detector mode: Peak Polarity: Vertical

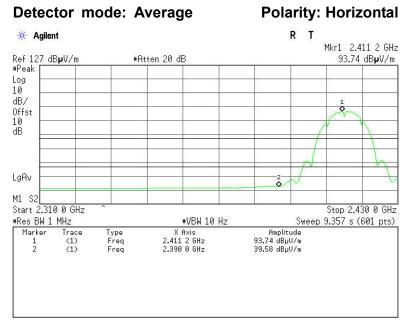




No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	45.80	-6.60	52.40	74.00	-21.60	Peak	Vertical
2	2390.0000	32.55	-6.60	39.15	54.00	-14.85	Average	Vertical

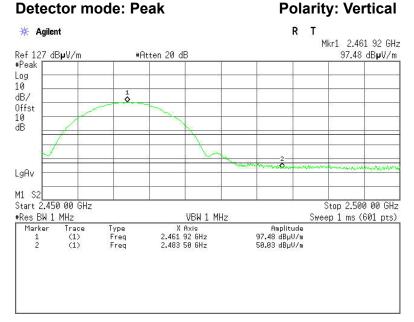


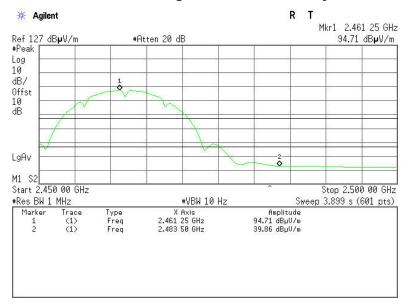




No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	46.87	-6.60	53.47	74.00	-20.53	Peak	Horizontal
2	2390.0000	32.98	-6.60	39.58	54.00	-14.42	Average	Horizontal

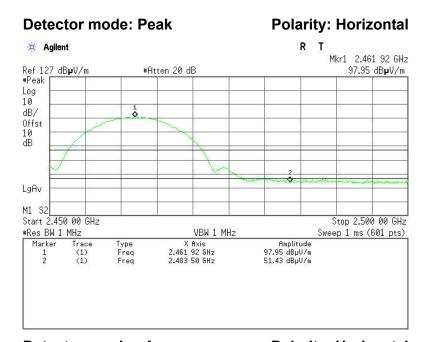
Band Edges (CH High)





No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	43.79	-6.24	50.03	74.00	-23.97	Peak	Vertical
2	2483.5000	33.62	-6.24	39.86	54.00	-14.14	Average	Vertical





Polarity: Horizontal Detector mode: Average # Agilent Mkr1 2.461 25 GHz Ref 127 dBµV/m #Atten 20 dB 95.24 dB**µ**V/m #Peak Log 10 dB/ Offst 10 dB LgAv -2-• W1 S2 Start 2.450 00 GHz Stop 2.500 00 GHz #VBW 10 Hz #Res BW 1 MHz Sweep 3.899 s (601 pts) Trace (1) (1) X Axis 2.461 25 GHz 2.483 50 GHz Amplitude 95.24 dBuV/m Marker 39.90 dBµV/m

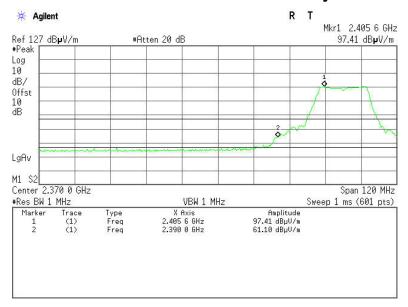
No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	45.19	-6.24	51.43	74.00	-22.57	Peak	Vertical
2	2483.5000	33.66	-6.24	39.90	54.00	-14.10	Average	Vertical

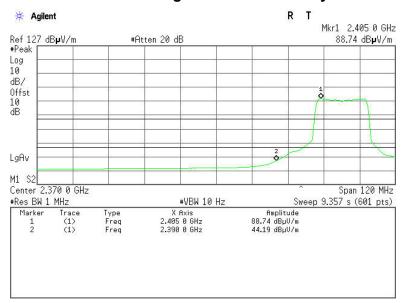
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IEEE 802.11g mode (Antenna 1)

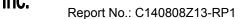
Band Edges (CH Low)

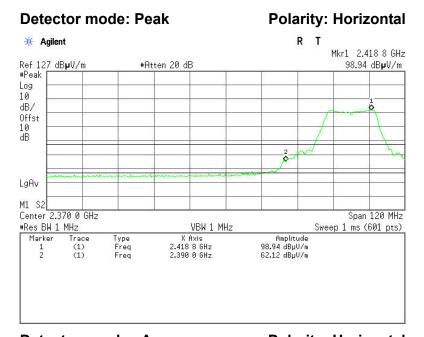
Detector mode: Peak Polarity: Vertical

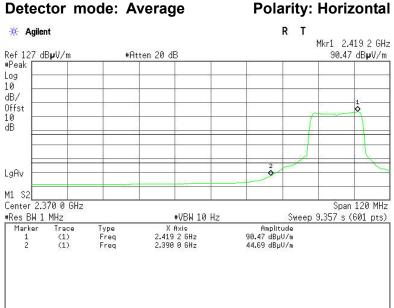




No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	54.50	-6.60	61.10	74.00	-12.90	Peak	Vertical
2	2390.0000	37.59	-6.60	44.19	54.00	-9.81	Average	Vertical

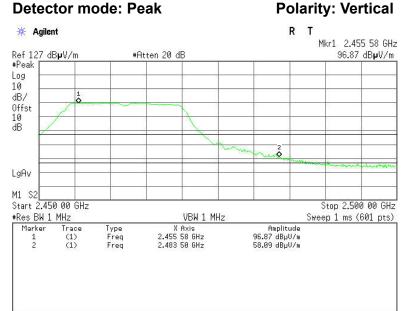


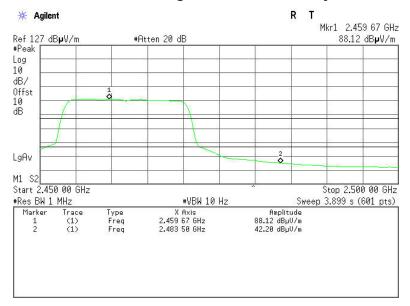




No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	55.52	-6.60	62.12	74.00	-11.88	Peak	Horizontal
2	2390.0000	38.09	-6.60	44.69	54.00	-9.31	Average	Horizontal

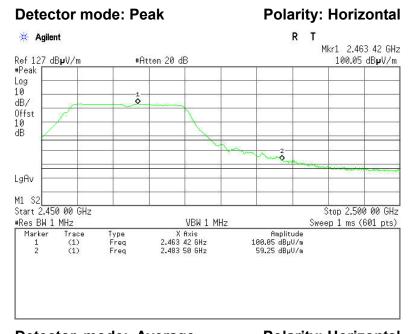
Band Edges (CH High)





No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	51.85	-6.24	58.09	74.00	-15.91	Peak	Vertical
2	2483.5000	35.96	-6.24	42.20	54.00	-11.80	Average	Vertical





Polarity: Horizontal Detector mode: Average # Agilent Mkr1 2.459 67 GHz Ref 127 dBµV/m 91.27 dB**µ**V/m #Atten 20 dB #Peak Log 10 dB/ Offst 10 dB LgAv M1 S2 Start 2.450 00 GHz Stop 2.500 00 GHz #VBW 10 Hz #Res BW 1 MHz Sweep 3.899 s (601 pts) Trace (1) (1) Amplitude 91.27 dBµV/m 43.66 dBµV/m X Axis 2.459 67 GHz 2.483 50 GHz Marker

No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	53.01	-6.24	59.25	74.00	-14.75	Peak	Horizontal
2	2483.5000	37.42	-6.24	43.66	54.00	-10.34	Average	Horizontal

IEEE 802.11g mode (Antenna 2)

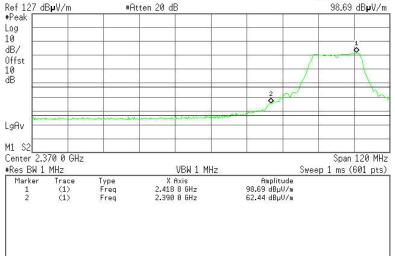
Band Edges (CH Low)

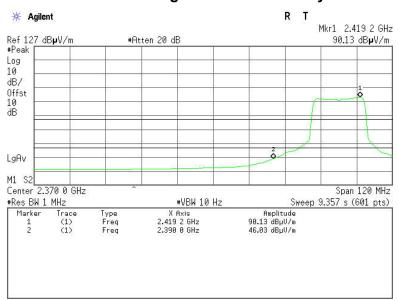
 Detector mode: Peak
 Polarity: Vertical

 ★ Agilent
 R T

 Ref 127 dBμV/m
 *Atten 20 dB

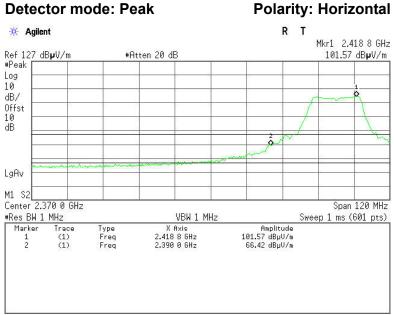
 **Peak
 98.69 dBμV/m





No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	55.84	-6.60	62.44	74.00	-11.56	Peak	Vertical
2	2390.0000	39.43	-6.60	46.03	54.00	-7.97	Average	Vertical



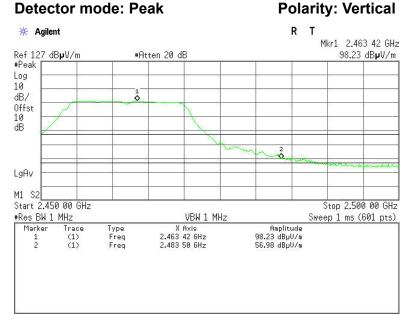


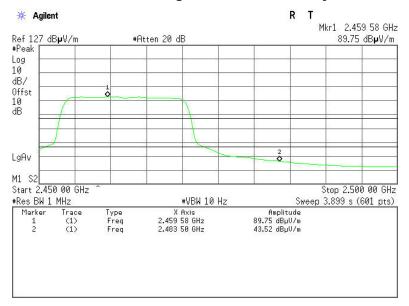
Polarity: Horizontal Detector mode: Average R T # Agilent Mkr1 2.419 2 GHz Ref 127 dB**µ**V/m #Peak 92.79 dB**µ**V/m #Atten 20 dB Log 10 dB/ Offst 10 ďΒ LgAv M1 S2 Center 2.370 0 GHz Span 120 MHz #Res BW 1 MHz #VBW 10 Hz Sweep 9.357 s (601 pts) Trace (1) (1) Type Freq Freq X Axis 2.419 2 GHz 2.390 0 GHz Amplitude 92.79 dBµV/m 49.54 dBµV/m Marker

No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	59.82	-6.60	66.42	74.00	-7.58	Peak	Horizontal
2	2390.0000	42.94	-6.60	49.54	54.00	-4.46	Average	Horizontal



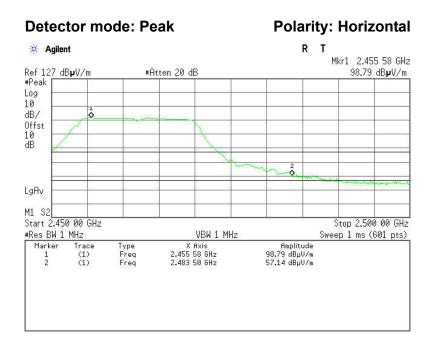
Band Edges (CH High)





No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	50.74	-6.24	56.98	74.00	-17.02	Peak	Vertical
2	2483.5000	37.28	-6.24	43.52	54.00	-10.48	Average	Vertical



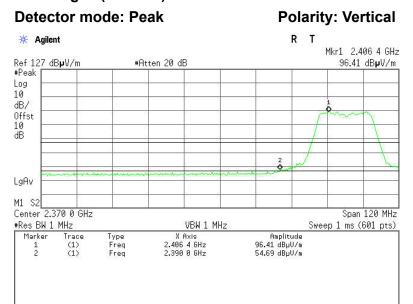


Polarity: Horizontal Detector mode: Average # Agilent Mkr1 2.459 67 GHz Ref 127 dBµV/m #Atten 20 dB 90.29 dB**µ**V/m #Peak Log 10 dB/ Offst 10 dB 2 • LgAv M1 S2 Start 2.450 00 GHz Stop 2.500 00 GHz #VBW 10 Hz #Res BW 1 MHz Sweep 3.899 s (601 pts) Trace (1) (1) Amplitude 90.29 dBµV/m 43.76 dBµV/m X Axis 2.459 67 GHz 2.483 50 GHz Marker

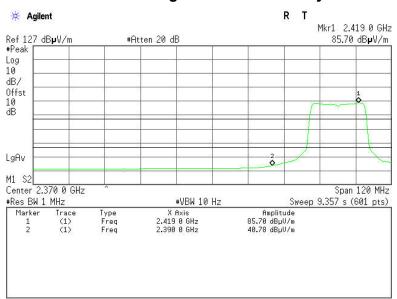
No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	50.90	-6.24	57.14	74.00	-16.86	Peak	Vertical
2	2483.5000	37.52	-6.24	43.76	54.00	-10.24	Average	Vertical

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IEEE 802.11n HT20 MHz mode (Combine with Antenna 0 and Antenna 1) Band Edges (CH Low)

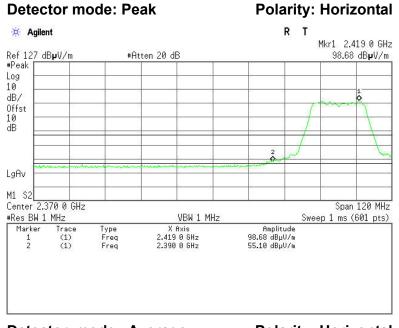


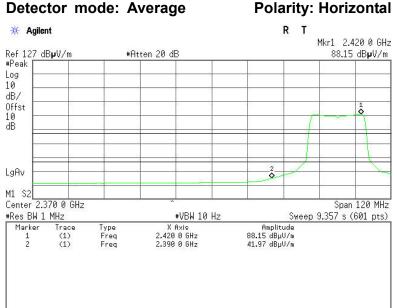
Polarity: Vertical Detector mode: Average



No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	48.09	-6.60	54.69	74.00	-19.31	Peak	Vertical
2	2390.0000	34.18	-6.60	40.78	54.00	-13.22	Average	Vertical



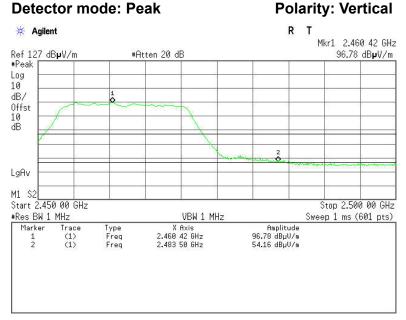


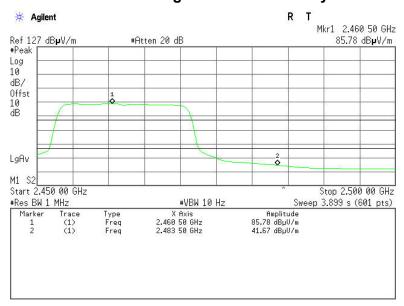


No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	48.50	-6.60	55.10	74.00	-18.90	Peak	Horizontal
2	2390.0000	35.37	-6.60	41.97	54.00	-12.03	Average	Horizontal



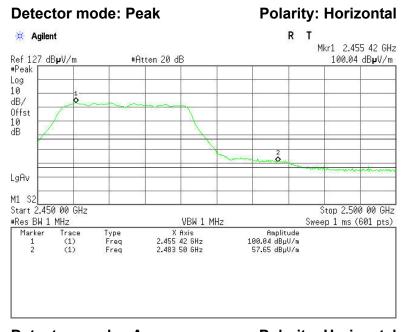
Band Edges (CH High)





No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	47.92	-6.24	54.16	74.00	-19.84	Peak	Vertical
2	2483.5000	35.43	-6.24	41.67	54.00	-12.33	Average	Vertical



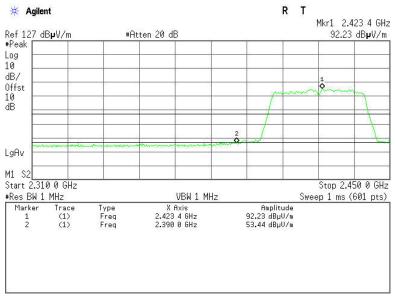


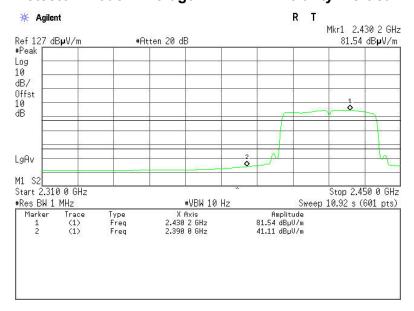
Polarity: Horizontal Detector mode: Average # Agilent Mkr1 2.461 00 GHz Ref 127 dBµV/m #Atten 20 dB 89.10 dB**µ**V/m #Peak Log 10 dB/ Offst 10 dB 2 **◊** LgAv M1 S2 Start 2.450 00 GHz Stop 2.500 00 GHz #VBW 10 Hz #Res BW 1 MHz Sweep 3.899 s (601 pts) Trace (1) (1) Amplitude 89.10 dBµV/m 43.97 dBµV/m X Axis 2.461 00 GHz 2.483 50 GHz Marker

No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	51.41	-6.24	57.65	74.00	-16.35	Peak	Vertical
2	2483.5000	37.73	-6.24	43.97	54.00	-10.03	Average	Vertical

IEEE 802.11n HT40 MHz mode(Combine with Antenna 0 and Antenna 1) Band Edges (CH Low)

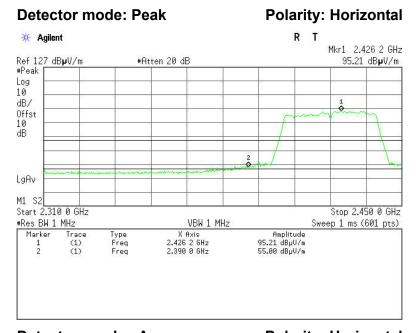
Detector mode: Peak Polarity: Vertical





No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	46.84	-6.60	53.44	74.00	-20.56	Peak	Vertical
2	2390.0000	34.51	-6.60	41.11	54.00	-12.89	Average	Vertical



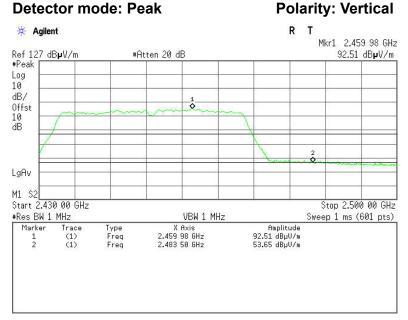


Polarity: Horizontal Detector mode: Average # Agilent Mkr1 2.431 3 GHz Ref 127 dB**µ**V/m #Peak #Atten 20 dB 84.90 dB**µ**V/m Log 10 dB/ Offst 10 ďΒ LgAv M1 S2 Start 2.310 0 GHz Stop 2.450 0 GHz #Res BW 1 MHz #VBW 10 Hz Sweep 10.92 s (601 pts) Trace (1) (1) Type Freq Freq X Axis 2.431 3 GHz 2.390 0 GHz Amplitude 84.90 dBµV/m 42.55 dBµV/m Marker

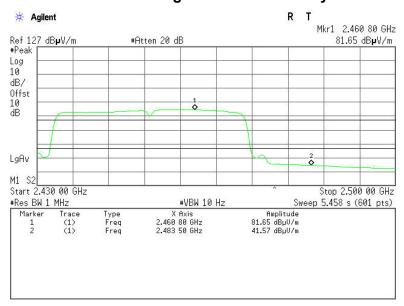
No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	48.40	-6.60	55.00	74.00	-19.00	Peak	Horizontal
2	2390.0000	35.95	-6.60	42.55	54.00	-11.45	Average	Horizontal



Band Edges (CH High)

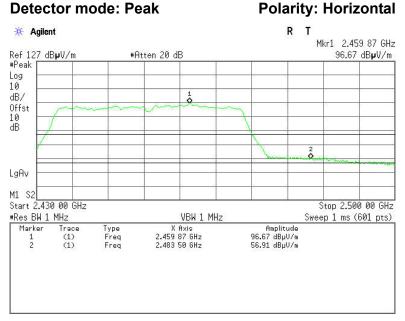


Polarity: Vertical Detector mode: Average

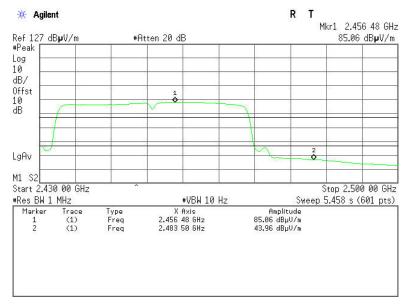


No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	47.41	-6.24	53.65	74.00	-20.35	Peak	Vertical
2	2483.5000	35.33	-6.24	41.57	54.00	-12.43	Average	Vertical





Detector mode: Average Polarity: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	50.67	-6.24	56.91	74.00	-17.09	Peak	Horizontal
2	2483.5000	37.72	-6.24	43.96	54.00	-10.04	Average	Horizontal

7.6. PEAK POWER SPECTRAL DENSITY MEASUREMENT

7.6.1. LIMITS

According to §15.247(e), for digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

According to §15.247(f), the digital modulation operation of the hybrid system, with the frequency hopping turned off, shall comply with the power density requirements of paragraph (d) of this section.

7.6.2. TEST INSTRUMENTS

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Calibration Due
Spectrum Analyzer	Agilent	E4446A	US44300399	03/01/2014	03/01/2015

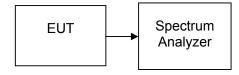
7.6.3. TEST PROCEDURES (please refer to measurement standard)

§15.247(e)specifies a conducted power spectral density (PSD) limit of 8 dBm in any 3 kHz band segment within the fundamental EBW during any time interval of continuous transmission. The same method as used to determine the conducted output power shall be used to determine the power spectral density (i.e.,if peak-detected fundamental power was measured then use the peak PSD procedure and if average fundamental power was measured then use the average PSD procedure).

10.2 Method PKPSD (peak PSD)

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. Set the span to 1.5 times the DTS bandwidth.
- 3. Set the RBW to: 3 kHz \leq RBW \leq 100 kHz.
- Set the VBW ≥ 3 x RBW.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

7.6.4. TEST SETUP



Report No.: C140808Z13-RP1

Compliance Certification Services Inc.

Report No.: C140808Z13-RP1

7.6.5. TEST RESULTS

No non-compliance noted

Test Data

Test mode: IEEE 802.11b (Antenna 1)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2412	-12.45		PASS
Mid	2437	-12.39	8	PASS
High	2462	-12.41		PASS

Test mode: IEEE 802.11b (Antenna 2)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2412	-11.86		PASS
Mid	2437	-11.65	8	PASS
High	2462	-11.72		PASS

Test mode: IEEE 802.11g (Antenna 1)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2412	-12.99		PASS
Mid	2437	-13.02	8	PASS
High	2462	-13.52		PASS

Test mode: IEEE 802.11g (Antenna 2)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2412	-13.94		PASS
Mid	2437	-13.93	8	PASS
High	2462	-13.57		PASS

Test mode: IEEE 802.11n HT20 MHz (Antenna 1)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2412	-12.33		PASS
Mid	2437	-13.00	8	PASS
High	2462	-13.70		PASS

Test mode: IEEE 802.11n HT20 MHz (Antenna 2)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2412	-11.01		PASS
Mid	2437	-12.17	8	PASS
High	2462	-12.71		PASS

Test mode: IEEE 802.11n HT40 MHz (Antenna 1)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2422	-15.42		PASS
Mid	2437	-15.83	8	PASS
High	2452	-17.66		PASS

Test mode: IEEE 802.11n HT40 MHz (Antenna 2)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2422	-17.23		PASS
Mid	2437	-17.49	8	PASS
High	2452	-17.13		PASS

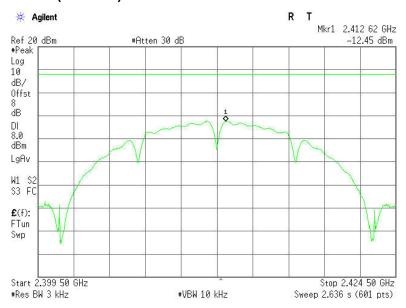
Report No.: C140808Z13-RP1



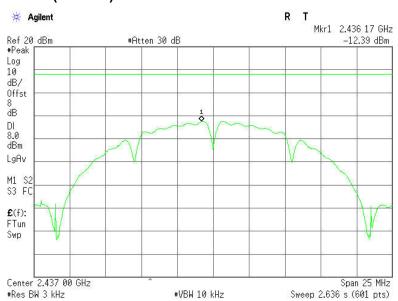
Test Plot

IEEE 802.11b mode (Antenna 1)

PPSD (CH Low)

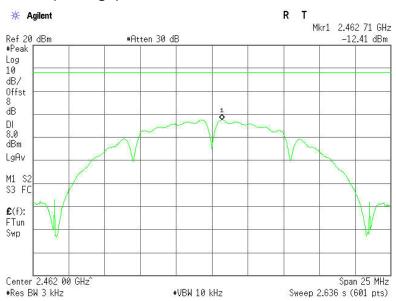


PPSD (CH Mid)



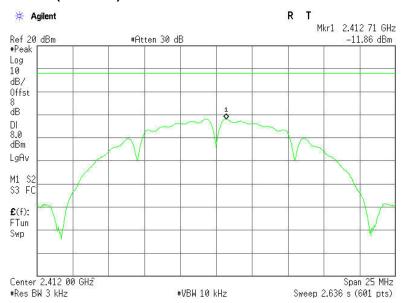


PPSD (CH High)



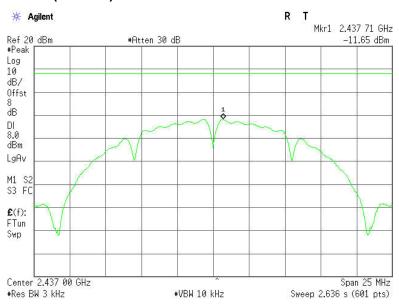
IEEE 802.11b mode (Antenna 2)

PPSD (CH Low)

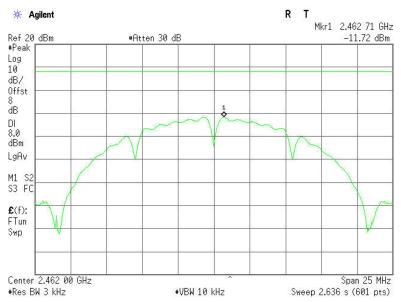




PPSD (CH Mid)



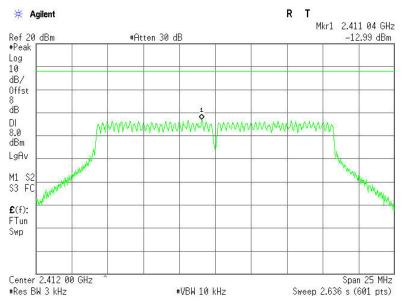
PPSD (CH High)



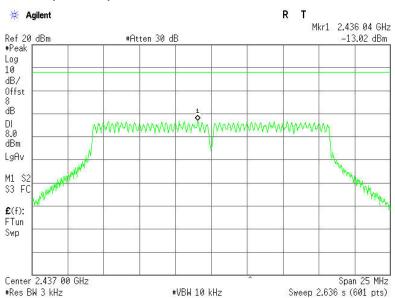


IEEE 802.11g mode (Antenna 1)

PPSD (CH Low)

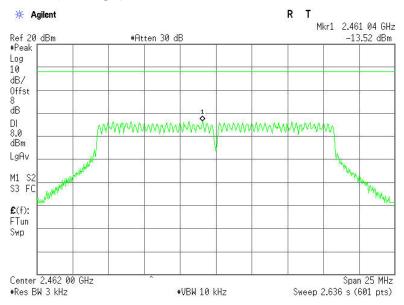


PPSD (CH Mid)



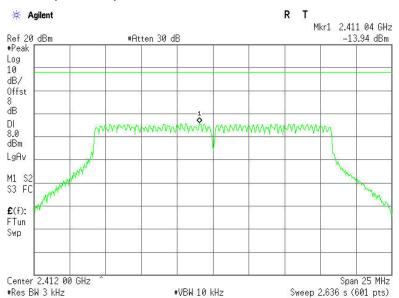


PPSD (CH High)



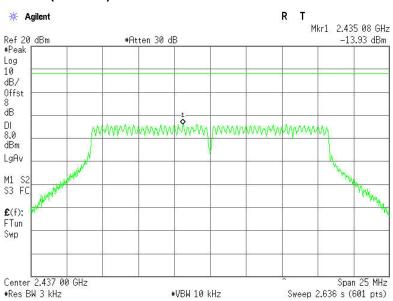
IEEE 802.11g mode (Antenna 2)

PPSD (CH Low)

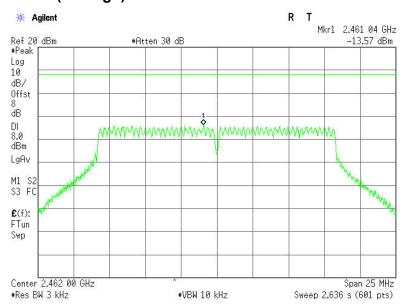




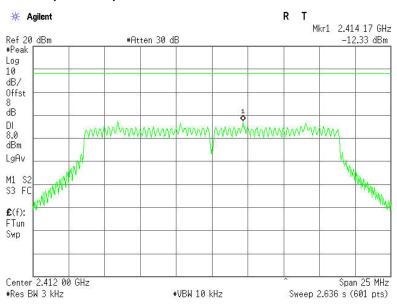
PPSD (CH Mid)



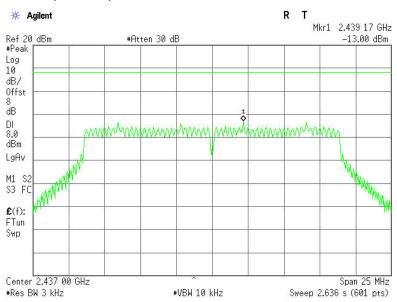
PPSD (CH High)



IEEE 802.11n HT20 MHz mode (Antenna 1) PPSD (CH Low)

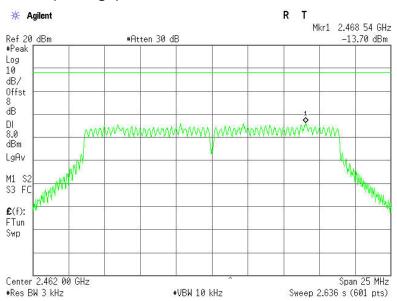


PPSD (CH Mid)



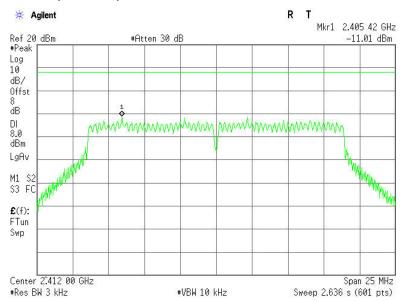


PPSD (CH High)



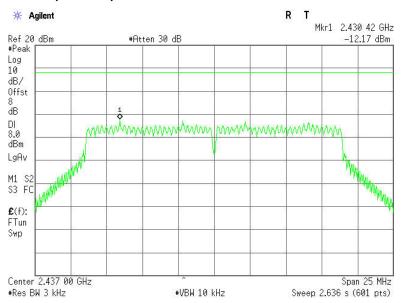
IEEE 802.11n HT20 MHz mode (Antenna 2)

PPSD (CH Low)

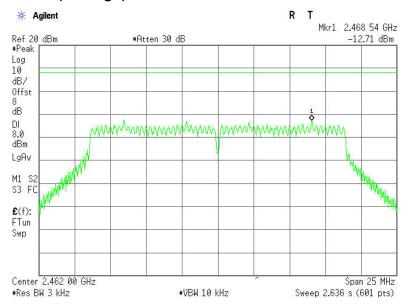




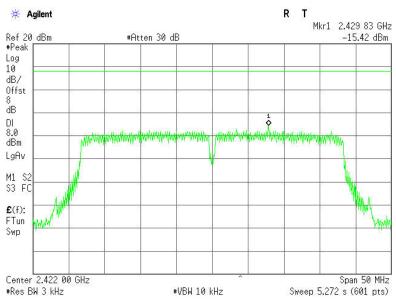
PPSD (CH Mid)



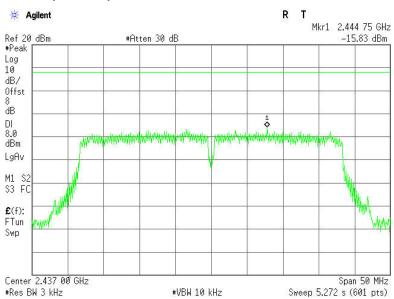
PPSD (CH High)



IEEE 802.11n HT40 MHz mode (Antenna 1) PPSD (CH Low)

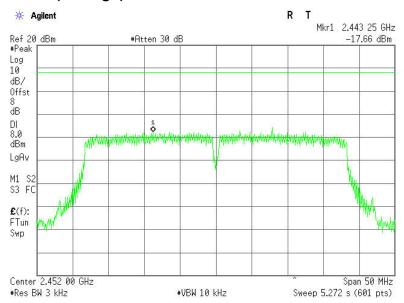


PPSD (CH Mid)



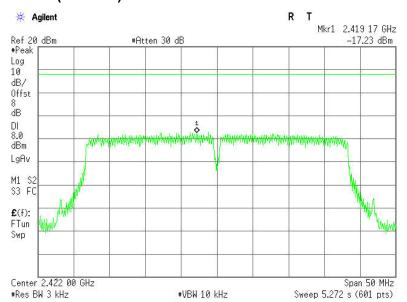


PPSD (CH High)



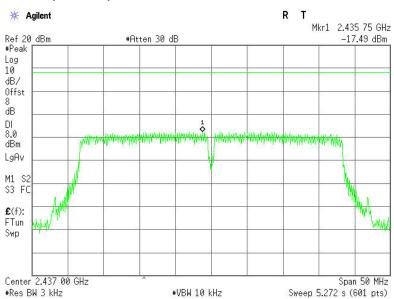
IEEE 802.11n HT40 MHz mode (Antenna 2)

PPSD (CH Low)





PPSD (CH Mid)



PPSD (CH High)

