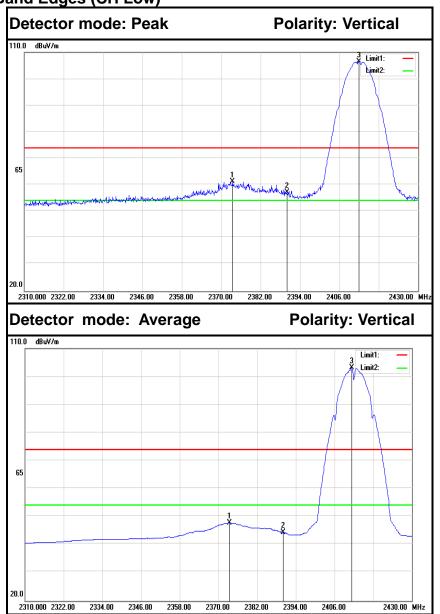


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2461.950	109.97	-2.47	107.50			Peak	Horizontal
2.	2483.500	62.46	-2.35	60.11	74.00	-13.89	Peak	Horizontal
3.	2494.450	65.89	-2.29	63.60	74.00	-10.40	Peak	Horizontal
1.	2461.250	106.40	-2.47	103.93			Average	Horizontal
2.	2483.500	48.50	-2.35	46.15	54.00	-7.85	Average	Horizontal
3.	2498.900	52.75	-2.27	50.48	54.00	-3.52	Average	Horizontal

FCC ID: 2AKIQ-ASC175 Page 121 / 172 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



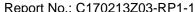
Antenna 1
IEEE 802.11b mode
Band Edges (CH Low)

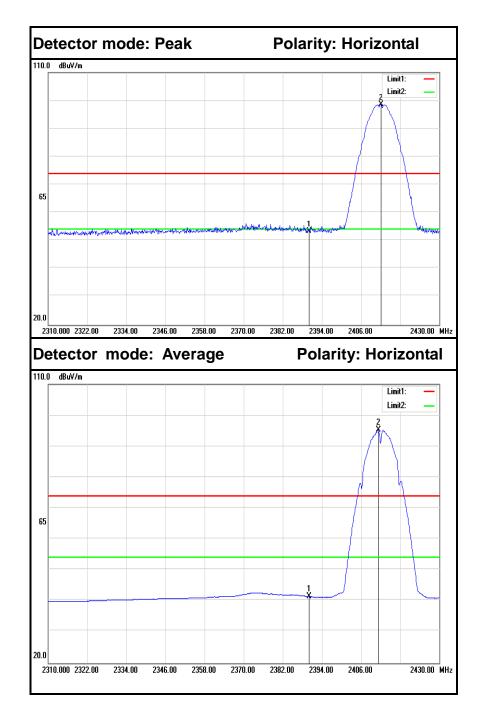


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2373.480	64.31	-2.95	61.36	74.00	-12.64	Peak	Vertical
2.	2390.000	60.21	-2.86	57.35	74.00	-16.65	Peak	Vertical
3.	2412.000	109.36	-2.74	106.62			Peak	Vertical
1.	2373.480	50.72	-2.95	47.77	54.00	-6.23	Average	Vertical
2.	2390.000	47.23	-2.86	44.37	54.00	-9.63	Average	Vertical
3.	2411.280	105.85	-2.75	103.10			Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 122 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



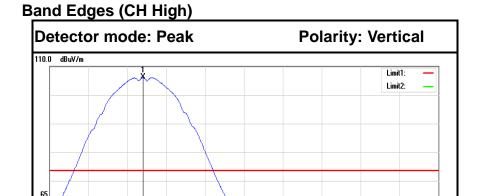


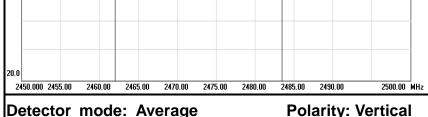


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	56.33	-2.86	53.47	74.00	-20.53	Peak	Horizontal
2.	2412.120	101.41	-2.74	98.67			Peak	Horizontal
1.	2390.000	44.25	-2.86	41.39	54.00	-12.61	Average	Horizontal
2.	2411.280	97.99	-2.75	95.24			Average	Horizontal

Page 123 / 172 FCC ID: 2AKIQ-ASC175 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.





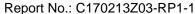


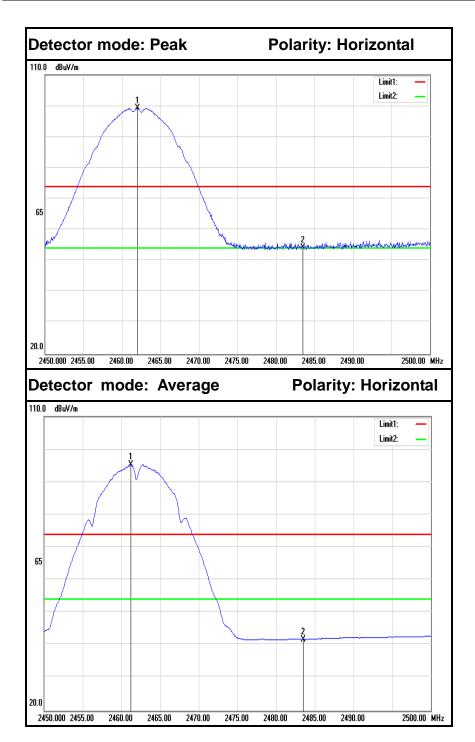
			<u>↓</u> ~				Limit1: - Limit2: -	
			V					
		$^{\prime\prime}$		h				
65					\			
-	}					 2	 	3
.0								

No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2462.000	108.66	-2.47	106.19			Peak	Vertical
2.	2483.500	60.09	-2.35	57.74	74.00	-16.26	Peak	Vertical
1.	2461.200	104.83	-2.47	102.36			Average	Vertical
2.	2483.500	46.91	-2.35	44.56	54.00	-9.44	Average	Vertical
3.	2499.950	49.47	-2.26	47.21	54.00	-6.79	Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 124 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.







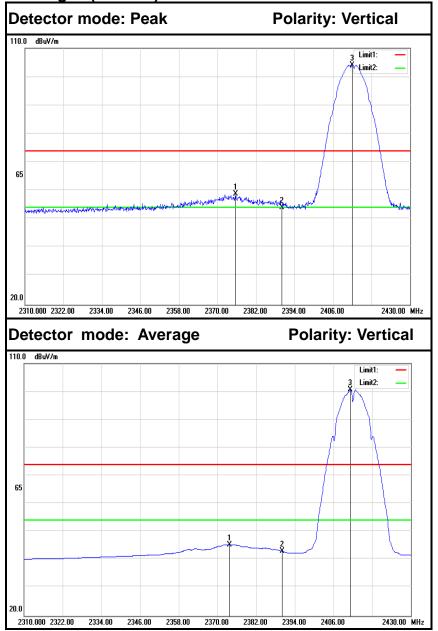
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2462.050	101.69	-2.47	99.22			Peak	Horizontal
2.	2483.500	56.65	-2.35	54.30	74.00	-19.70	Peak	Horizontal
1.	2461.200	97.82	-2.47	95.35			Average	Horizontal
2.	2483.500	44.17	-2.35	41.82	54.00	-12.18	Average	Horizontal

Page 125 / 172 FCC ID: 2AKIQ-ASC175 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



Antenna 2

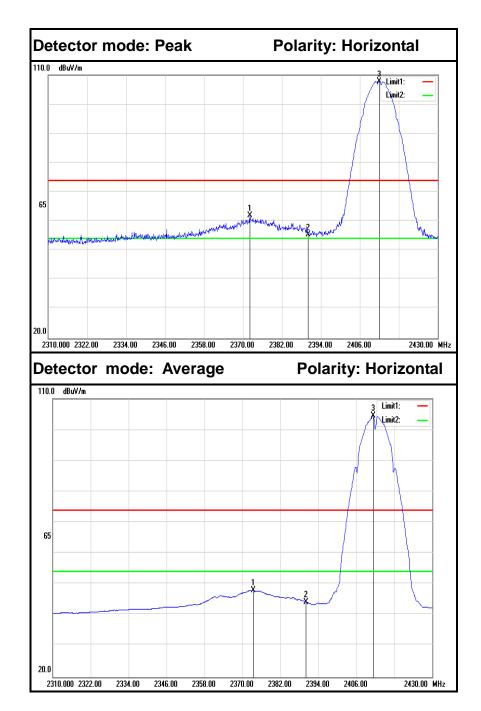
IEEE 802.11b mode Band Edges (CH Low)



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2375.640	61.74	-2.94	58.80	74.00	-15.20	Peak	Vertical
2.	2390.000	56.95	-2.86	54.09	74.00	-19.91	Peak	Vertical
3.	2412.000	106.88	-2.74	104.14			Peak	Vertical
1.	2373.720	48.35	-2.95	45.40	54.00	-8.60	Average	Vertical
2.	2390.000	45.90	-2.86	43.04	54.00	-10.96	Average	Vertical
3.	2411.160	103.47	-2.75	100.72			Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 126 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



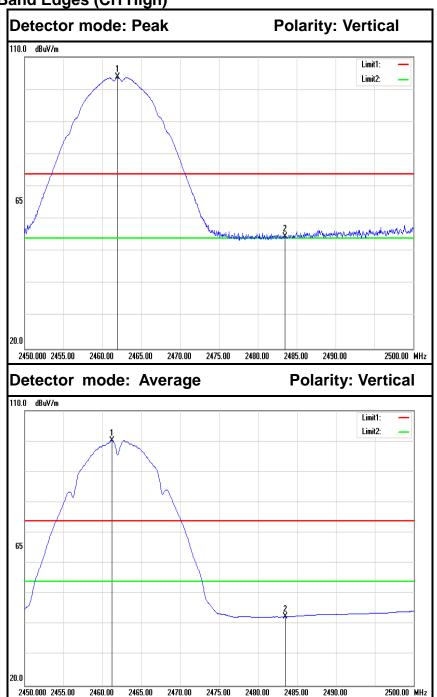


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2372.160	64.89	-2.96	61.93	74.00	-12.07	Peak	Horizontal
2.	2390.000	58.37	-2.86	55.51	74.00	-18.49	Peak	Horizontal
3.	2412.000	110.64	-2.74	107.90			Peak	Horizontal
1.	2373.480	50.93	-2.95	47.98	54.00	-6.02	Average	Horizontal
2.	2390.000	47.13	-2.86	44.27	54.00	-9.73	Average	Horizontal
3.	2411.280	107.22	-2.75	104.47			Average	Horizontal

Page 127 / 172 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.





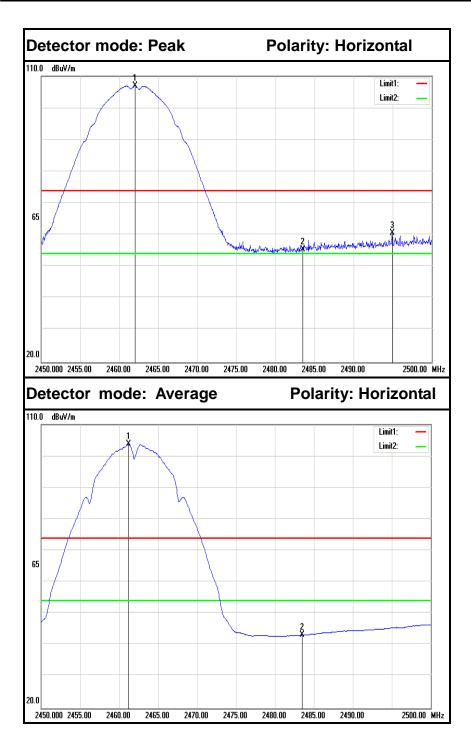


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2461.950	106.21	-2.47	103.74			Peak	Vertical
2.	2483.500	56.92	-2.35	54.57	74.00	-19.43	Peak	Vertical
1.	2461.250	102.72	-2.47	100.25			Average	Vertical
2.	2483.500	44.91	-2.35	42.56	54.00	-11.44	Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 128 / 172 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.







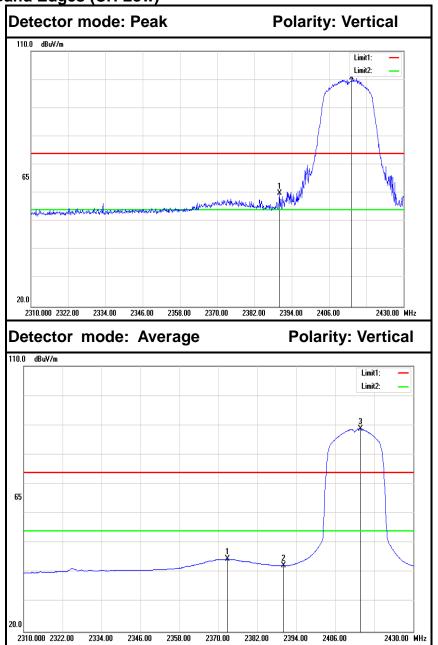
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2462.000	109.47	-2.47	107.00			Peak	Horizontal
2.	2483.500	57.76	-2.35	55.41	74.00	-18.59	Peak	Horizontal
3.	2494.950	62.94	-2.29	60.65	74.00	-13.35	Peak	Horizontal
1.	2461.200	106.18	-2.47	103.71			Average	Horizontal
2.	2483.500	45.58	-2.35	43.23	54.00	-10.77	Average	Horizontal

Page 129 / 172 FCC ID: 2AKIQ-ASC175 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



Antenna 0

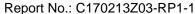
IEEE 802.11g mode Band Edges (CH Low)

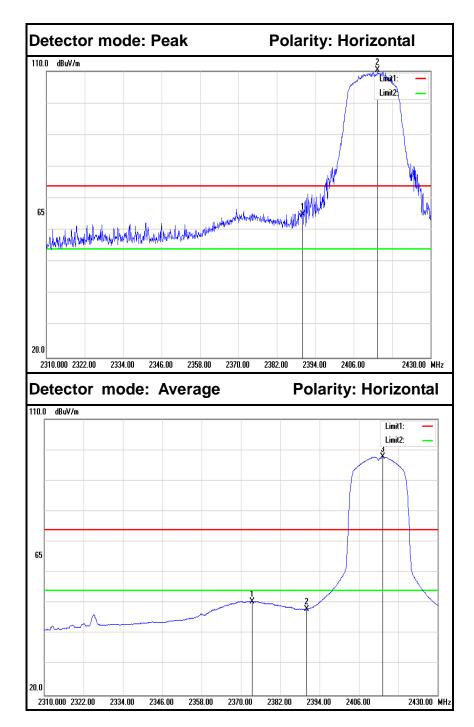


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	62.84	-2.86	59.98	74.00	-14.02	Peak	Vertical
2.	2413.320	103.40	-2.73	100.67			Peak	Vertical
1.	2372.760	47.51	-2.96	44.55	54.00	-9.45	Average	Vertical
2.	2390.000	45.21	-2.86	42.35	54.00	-11.65	Average	Vertical
3.	2413.800	91.49	-2.73	88.76			Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 130 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.





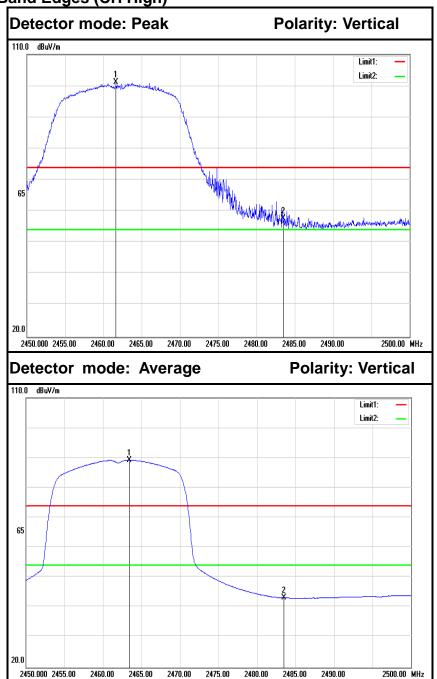


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	67.84	-2.86	64.98	74.00	-9.02	Peak	Horizontal
2.	2413.440	113.05	-2.73	110.32			Peak	Horizontal
1.	2373.480	53.47	-2.95	50.52	54.00	-3.48	Average	Horizontal
2.	2390.000	50.94	-2.86	48.08	54.00	-5.92	Average	Horizontal
3.	2413.200	100.46	-2.74	97.72			Average	Horizontal

Page 131 / 172 FCC ID: 2AKIQ-ASC175 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



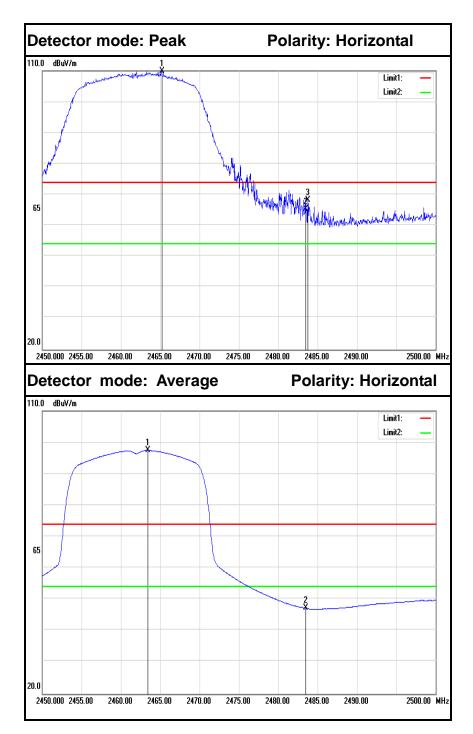




No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2461.650	103.58	-2.47	101.11			Peak	Vertical
2.	2483.500	60.03	-2.35	57.68	74.00	-16.32	Peak	Vertical
1.	2463.450	91.75	-2.46	89.29			Average	Vertical
2.	2483.500	45.54	-2.35	43.19	54.00	-10.81	Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 132 / 172 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



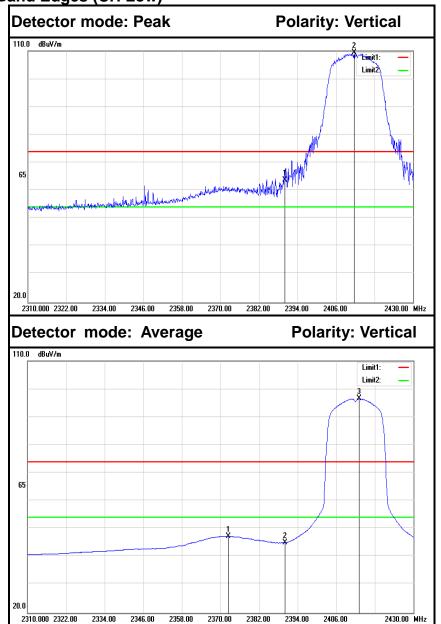


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2465.200	112.36	-2.45	109.91			Peak	Horizontal
2.	2483.500	67.61	-2.35	65.26	74.00	-8.74	Peak	Horizontal
3.	2483.750	70.66	-2.35	68.31	74.00	-5.69	Peak	Horizontal
1.	2463.450	99.92	-2.46	97.46			Average	Horizontal
2.	2483.500	49.59	-2.35	47.24	54.00	-6.76	Average	Horizontal

Page 133 / 172 FCC ID: 2AKIQ-ASC175 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



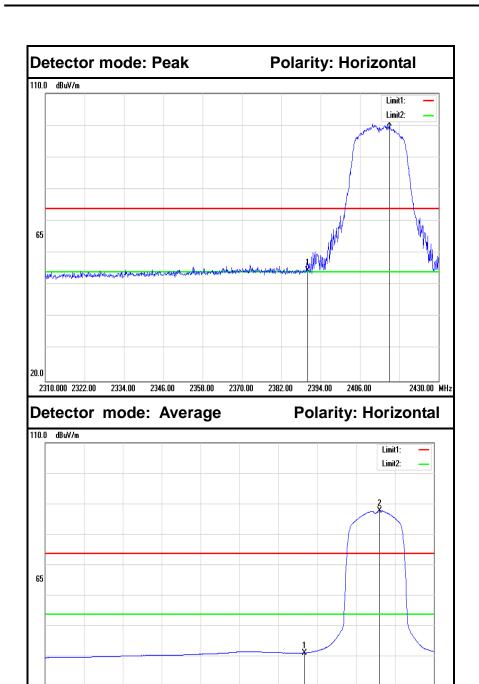
Antenna 1
IEEE 802.11g mode
Band Edges (CH Low)



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	66.73	-2.86	63.87	74.00	-10.13	Peak	Vertical
2.	2411.640	112.23	-2.74	109.49			Peak	Vertical
1.	2372.520	50.41	-2.96	47.45	54.00	-6.55	Average	Vertical
2.	2390.000	47.93	-2.86	45.07	54.00	-8.93	Average	Vertical
3.	2413.080	99.27	-2.74	96.53			Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 134 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.





No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	57.35	-2.86	54.49	74.00	-19.51	Peak	Horizontal
2.	2415.000	103.18	-2.73	100.45			Peak	Horizontal
1.	2390.000	44.41	-2.86	41.55	54.00	-12.45	Average	Horizontal
2.	2413.320	90.64	-2.73	87.91			Average	Horizontal

2370.00

2382.00

2430.00 MHz

2310.000 2322.00

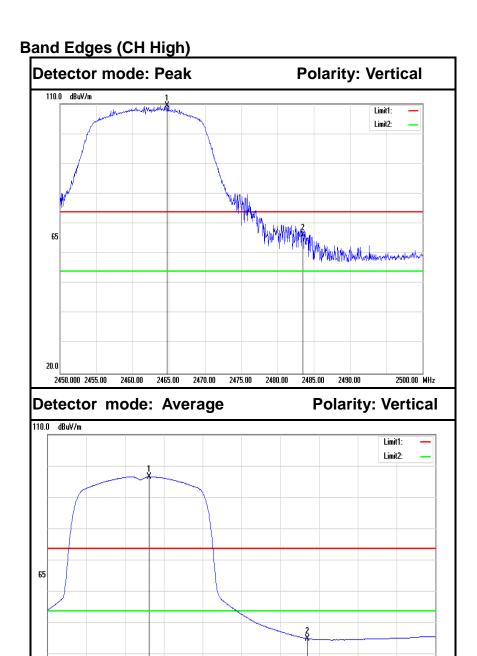
2334.00

2346.00

2358.00

FCC ID: 2AKIQ-ASC175 Page 135 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.





No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2464.750	111.92	-2.45	109.47			Peak	Vertical
2.	2483.500	68.67	-2.35	66.32	74.00	-7.68	Peak	Vertical
1.	2463.100	99.15	-2.46	96.69			Average	Vertical
2.	2483.500	47.76	-2.35	45.41	54.00	-8.59	Average	Vertical

2475.00

2485.00

2500.00 MHz

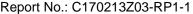
FCC ID: 2AKIQ-ASC175 Page 136 / 172 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

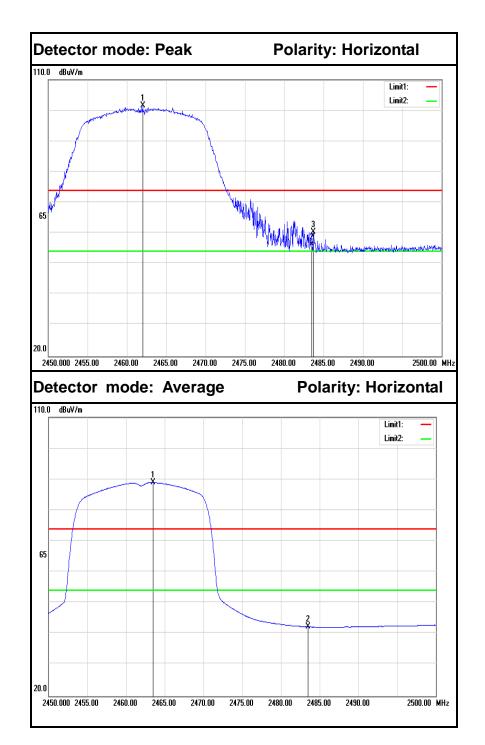
2450.000 2455.00

2460.00

2465.00

2470.00





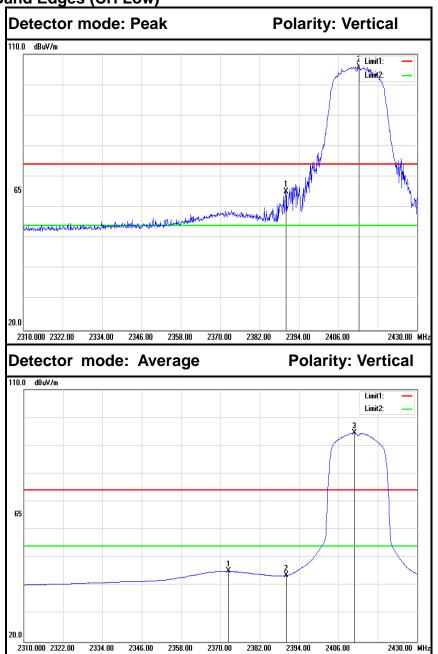
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2462.000	103.98	-2.47	101.51			Peak	Horizontal
2.	2483.500	58.61	-2.35	56.26	74.00	-17.74	Peak	Horizontal
3.	2483.700	62.69	-2.35	60.34	74.00	-13.66	Peak	Horizontal
1.	2463.500	91.40	-2.46	88.94			Average	Horizontal
2.	2483.500	44.69	-2.35	42.34	54.00	-11.66	Average	Horizontal

Page 137 / 172 FCC ID: 2AKIQ-ASC175 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



Antenna 2 IEEE 802.11g mode

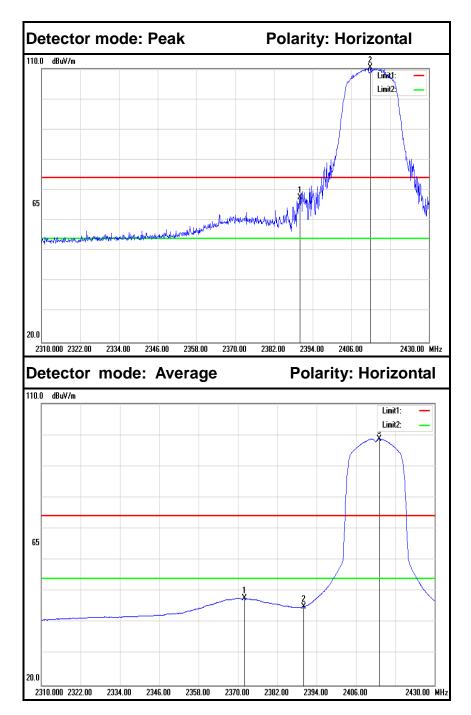
Band Edges (CH Low)



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	68.06	-2.86	65.20	74.00	-8.80	Peak	Vertical
2.	2412.240	108.63	-2.74	105.89			Peak	Vertical
1.	2372.520	48.20	-2.96	45.24	54.00	-8.76	Average	Vertical
2.	2390.000	46.49	-2.86	43.63	54.00	-10.37	Average	Vertical
3.	2410.920	97.26	-2.75	94.51			Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 138 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

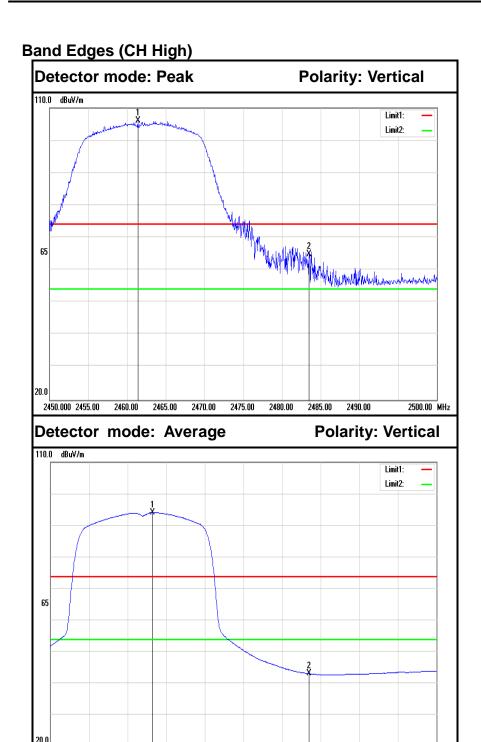




No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	70.36	-2.86	67.50	74.00	-6.50	Peak	Horizontal
2.	2411.880	112.99	-2.74	110.25			Peak	Horizontal
1.	2372.040	50.73	-2.96	47.77	54.00	-6.23	Average	Horizontal
2.	2390.000	47.99	-2.86	45.13	54.00	-8.87	Average	Horizontal
3.	2413.080	101.41	-2.74	98.67			Average	Horizontal

Page 139 / 172 FCC ID: 2AKIQ-ASC175 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.





No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2461.400	108.60	-2.47	106.13			Peak	Vertical
2.	2483.500	67.29	-2.35	64.94	74.00	-9.06	Peak	Vertical
1.	2463.200	96.64	-2.46	94.18			Average	Vertical
2.	2483.500	45.77	-2.35	43.42	54.00	-10.58	Average	Vertical

2475.00

2480.00

2485.00

2490.00

2500.00 MHz

2450.000 2455.00

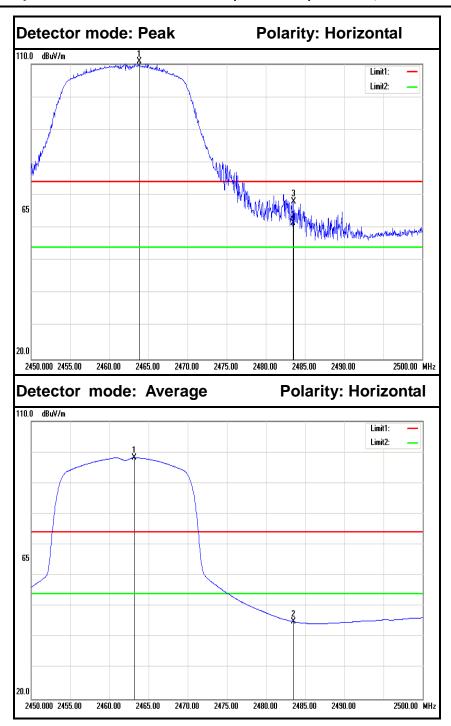
2460.00

2465.00

2470.00

FCC ID: 2AKIQ-ASC175 Page 140 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

Compliance Certification Services (Shenzhen) Inc. Report No.: C170213Z03-RP1-1

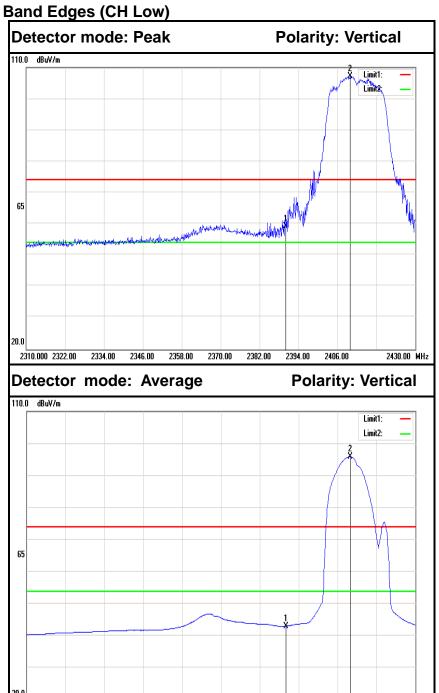


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2463.800	113.21	-2.46	110.75			Peak	Horizontal
2.	2483.500	63.84	-2.35	61.49	74.00	-12.51	Peak	Horizontal
3.	2483.550	70.47	-2.35	68.12	74.00	-5.88	Peak	Horizontal
1.	2463.150	100.71	-2.46	98.25			Average	Horizontal
2.	2483.500	47.42	-2.35	45.07	54.00	-8.93	Average	Horizontal

FCC ID: 2AKIQ-ASC175 Page 141 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



IEEE 802.11n HT20 MHz mode (Combine with Antenna 0 and Antenna 1 and Antenna 2)



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	62.13	-2.86	59.27	74.00	-14.73	Peak	Vertical
2.	2409.840	110.01	-2.75	107.26			Peak	Vertical
1.	2390.000	46.23	-2.86	43.37	54.00	-10.63	Average	Vertical
2.	2409.840	98.72	-2.75	95.97			Average	Vertical

2370.00

2430.00 MHz

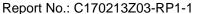
2310.000 2322.00

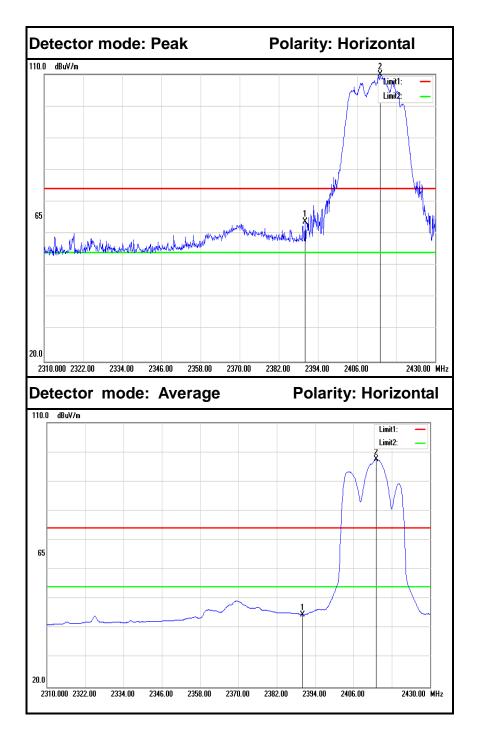
2346.00

2358.00

FCC ID: 2AKIQ-ASC175 Page 142 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



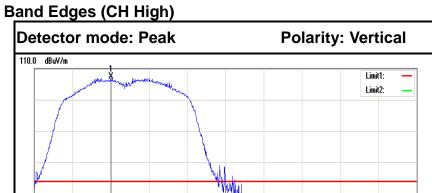


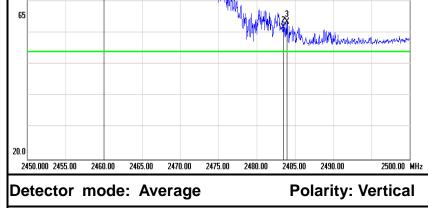


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	66.58	-2.86	63.72	74.00	-10.28	Peak	Horizontal
2.	2413.080	112.58	-2.74	109.84			Peak	Horizontal
1.	2390.000	47.54	-2.86	44.68	54.00	-9.32	Average	Horizontal
2.	2413.080	100.34	-2.74	97.60			Average	Horizontal

Page 143 / 172 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.





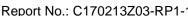


					L	mit1: —
						mit2: —
	į,					
	- 					
		1				
55						
				2		
0						

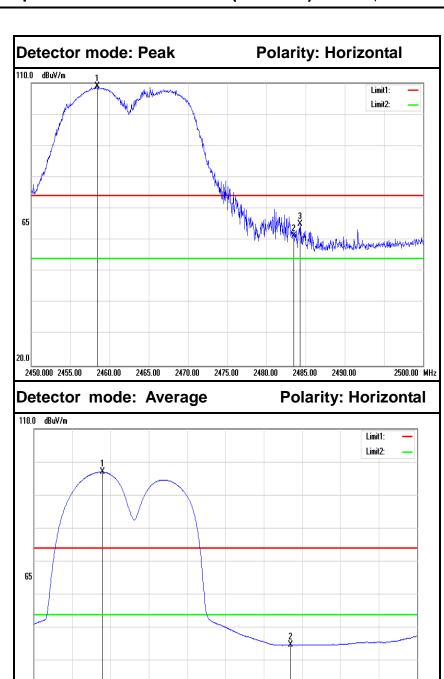
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2460.000	109.81	-2.48	107.33			Peak	Vertical
2.	2483.500	64.13	-2.35	61.78	74.00	-12.22	Peak	Vertical
3.	2483.950	66.00	-2.35	63.65	74.00	-10.35	Peak	Vertical
1.	2459.650	97.27	-2.48	94.79			Average	Vertical
2.	2483.500	46.47	-2.35	44.12	54.00	-9.88	Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 144 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.





2500.00 MHz



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2458.400	111.51	-2.49	109.02			Peak	Horizontal
2.	2483.500	63.54	-2.35	61.19	74.00	-12.81	Peak	Horizontal
3.	2484.300	67.51	-2.35	65.16	74.00	-8.84	Peak	Horizontal
1.	2458.950	99.56	-2.48	97.08			Average	Horizontal
2.	2483.500	47.41	-2.35	45.06	54.00	-8.94	Average	Horizontal

2475.00

2480.00

2485.00

2490.00

2460.00

2465.00

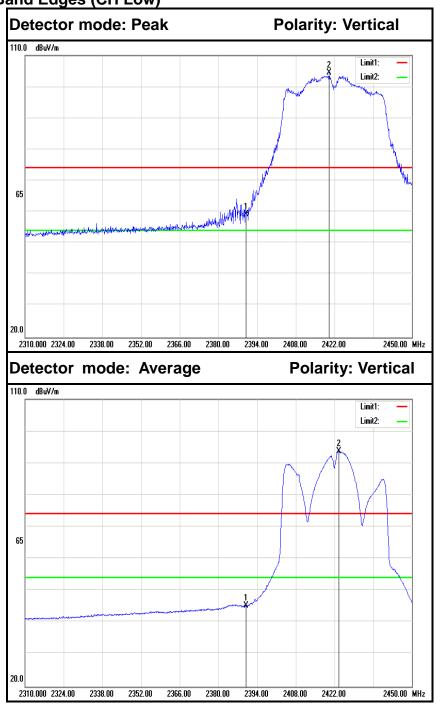
2470.00

2450.000 2455.00

Page 145 / 172 FCC ID: 2AKIQ-ASC175 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



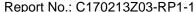
IEEE 802.11n HT40 MHz mode (Combine with Antenna 0 and Antenna 1 and Antenna 2)
Band Edges (CH Low)

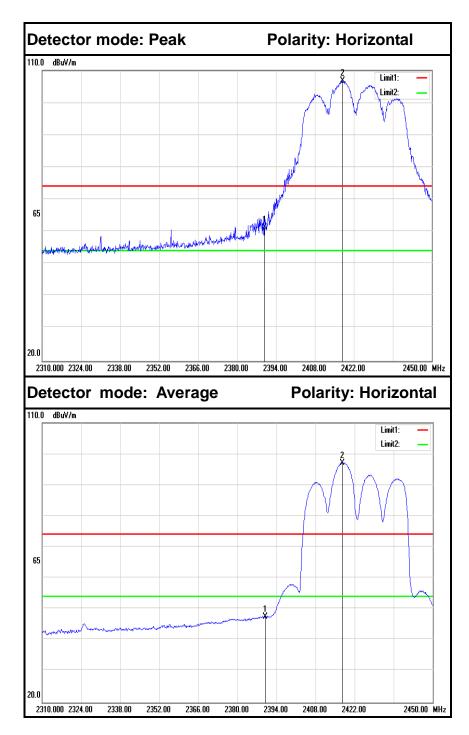


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	62.14	-2.86	59.28	74.00	-14.72	Peak	Vertical
2.	2420.040	107.23	-2.70	104.53			Peak	Vertical
1.	2390.000	48.13	-2.86	45.27	54.00	-8.73	Average	Vertical
2.	2423.540	96.39	-2.68	93.71			Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 146 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



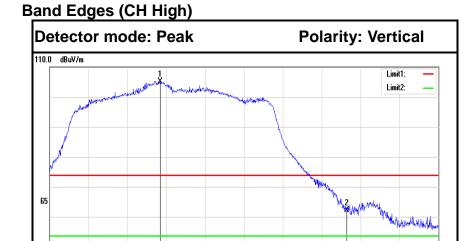




No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2390.000	64.12	-2.86	61.26	74.00	-12.74	Peak	Horizontal
2.	2417.940	109.47	-2.71	106.76			Peak	Horizontal
1.	2390.000	50.32	-2.86	47.46	54.00	-6.54	Average	Horizontal
2.	2417.660	99.82	-2.71	97.11			Average	Horizontal

Page 147 / 172 FCC ID: 2AKIQ-ASC175 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.







2465.00

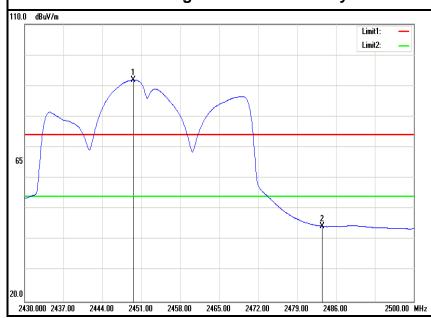
2472.00

2486.00

2479.00

2500.00 MHz

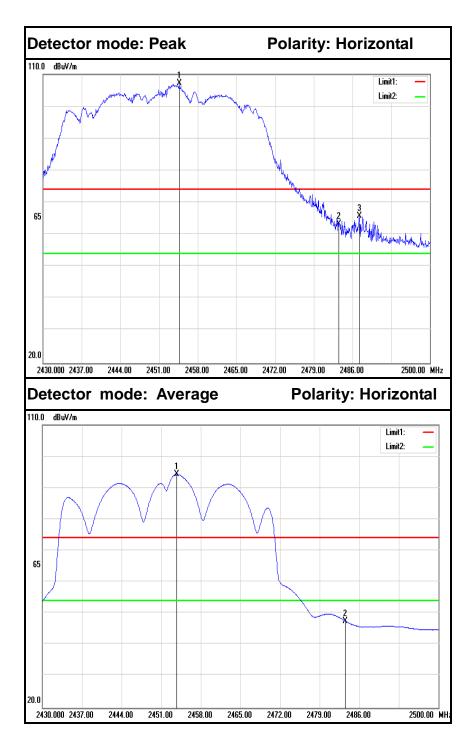
2458.00



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2449.880	107.73	-2.53	105.20			Peak	Vertical
2.	2483.500	65.05	-2.35	62.70	74.00	-11.30	Peak	Vertical
1.	2449.530	94.46	-2.54	91.92			Average	Vertical
2.	2483.500	46.81	-2.35	44.46	54.00	-9.54	Average	Vertical

FCC ID: 2AKIQ-ASC175 Page 148 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.





No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	2454.640	109.61	-2.51	107.10			Peak	Horizontal
2.	2483.500	65.57	-2.35	63.22	74.00	-10.78	Peak	Horizontal
3.	2487.260	68.04	-2.33	65.71	74.00	-8.29	Peak	Horizontal
1.	2453.730	96.77	-2.51	94.26			Average	Horizontal
2.	2483.500	49.93	-2.35	47.58	54.00	-6.42	Average	Horizontal

Page 149 / 172 FCC ID: 2AKIQ-ASC175 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

7.7. PEAK POWER SPECTRAL DENSITY MEASUREMENT

7.7.1. 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.

7.7.2. TEST INSTRUMENTS

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Calibration Due
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2017	02/20/2018

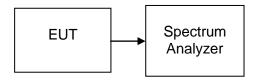
7.7.3. TEST PROCEDURES (please refer to measurement standard)

§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: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- 4. Set the VBW \geq 3 x RBW.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. 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.

7.7.4. TEST SETUP



FCC ID: 2AKIQ-ASC175 Page 150 / 172

Compliance Certification Services (Shenzhen) Inc Report No.: C170213Z03-RP1-1

7.7.5. TEST RESULTS

No non-compliance noted

Test Data

Test mode: IEEE 802.11b (Antenna 0)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2412	-7.204		PASS
Mid	2437	-6.955	8	PASS
High	2462	-7.851		PASS

Test mode: IEEE 802.11b (Antenna 1)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2412	-7.264		PASS
Mid	2437	-6.225	8	PASS
High	2462	-8.185		PASS

Test mode: IEEE 802.11b (Antenna 2)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2412	-7.779		PASS
Mid	2437	-6.627	8	PASS
High	2462	-8.389		PASS

Test mode: IEEE 802.11g (Antenna 0)

Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result
Low	2412	-10.096		PASS
Mid	2437	-9.583	8	PASS
High	2462	-10.430		PASS

Test mode: IEEE 802.11g (Antenna 1)

	Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result			
	Low	2412	-9.116		PASS			
	Mid	2437	-9.403	8	PASS			
Ī	High	2462	-8.822		PASS			

Test mode: IEEE 802.11g (Antenna 2)

155t meder 1222 5521119 (7 titorina 2)								
Channel	Frequency (MHz)	PPSD (dBm)	Limit (dBm)	Test Result				
Low	2412	-10.209		PASS				
Mid	2437	-10.577	8	PASS				
High	2462	-10.614		PASS				

FCC ID: 2AKIQ-ASC175 Page 151 / 172



Compliance Certification Services (Shenzhen) Inc Report No.: C170213Z03-RP1-1

Test mode: IEEE 802.11n HT20 MHz (Combine with Antenna 0 and Antenna 1 and Antenna 2)

Channel	Frequency (MHz)	PPSD (dBm)				Limit (dBm)	Test Result
		Antenna 0	Antenna 1	Antenna 2	Total	(ubiii)	
Low	2412	-16.021	-15.468	-16.401	-11.175		PASS
Mid	2437	-14.558	-15.025	-15.590	-10.266	8	PASS
High	2462	14.915	-16.263	-16.499	14.921		PASS

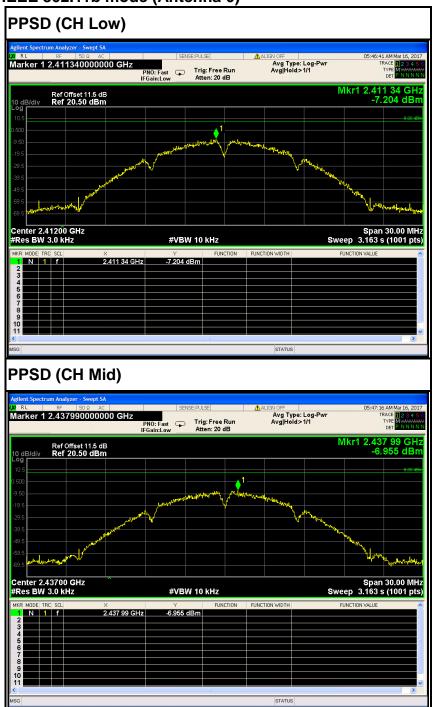
Test mode: IEEE 802.11n HT40 MHz (Combine with Antenna 0 and Antenna 1 and Antenna 2)

Channel	Frequency (MHz)	PPSD (dBm)				Limit (dBm)	Test Result
		Antenna 0	Antenna 1	Antenna 2	Total	(ubiii)	
Low	2422	-18.042	-17.331	-17.400	-12.808		PASS
Mid	2437	-18.288	-16.564	-18.138	-12.820	8	PASS
High	2452	-17.039	-18.877	-17.714	-13.041		PASS

FCC ID: 2AKIQ-ASC175 Page 152 / 172

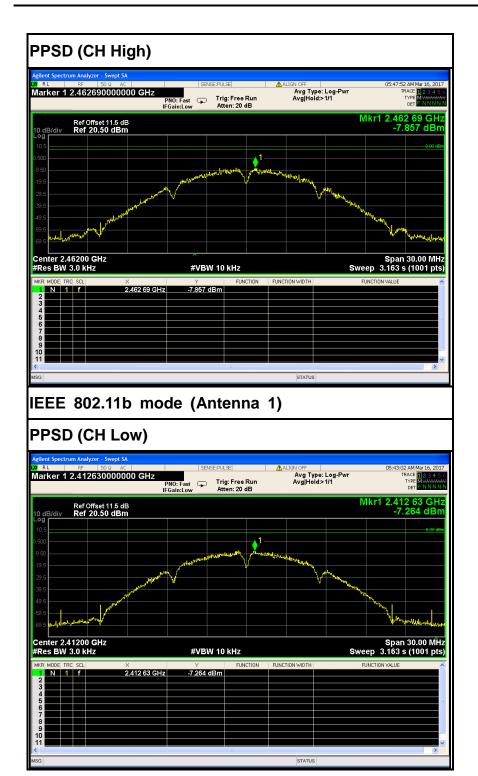
Test Plot

IEEE 802.11b mode (Antenna 0)

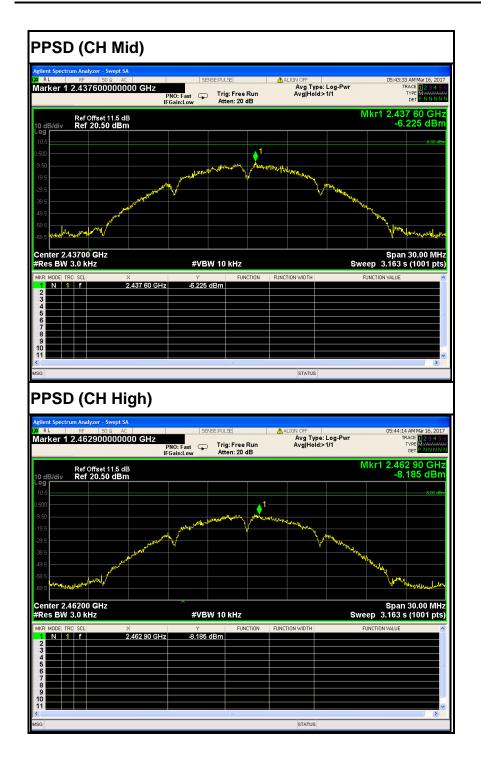


Page 153 / 172 FCC ID: 2AKIQ-ASC175

Compliance Certification Services (Shenzhen) Increport No.: C170213Z03-RP1-1

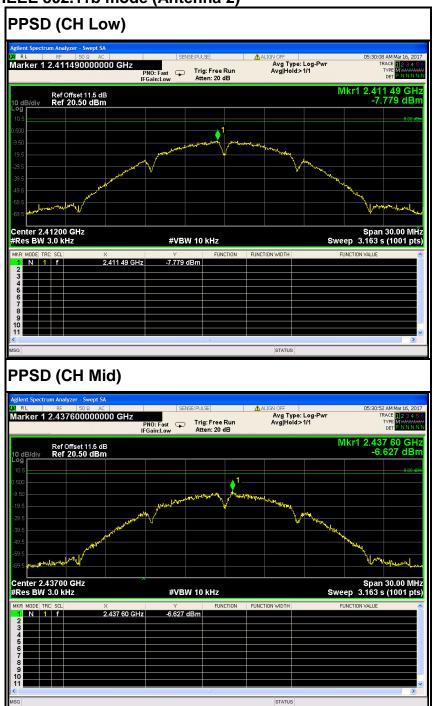


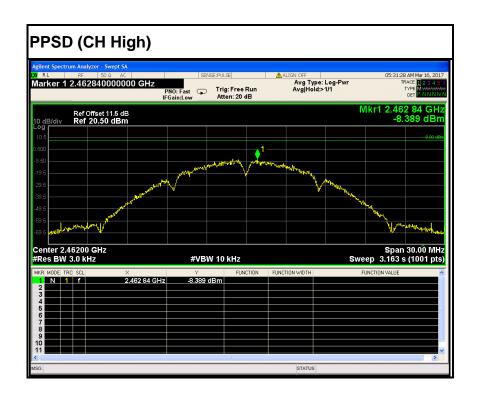
Compliance Certification Services (Shenzhen) Increport No.: C170213Z03-RP1-1



Compliance Certification Services (Shenzhen) Increport No.: C170213Z03-RP1-1

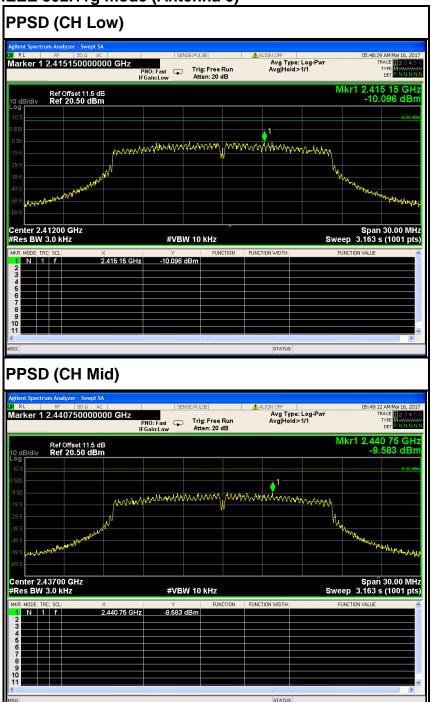
IEEE 802.11b mode (Antenna 2)



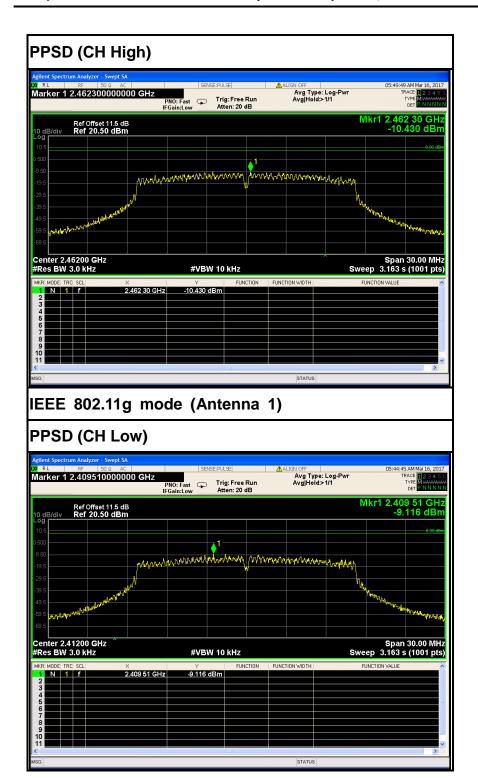


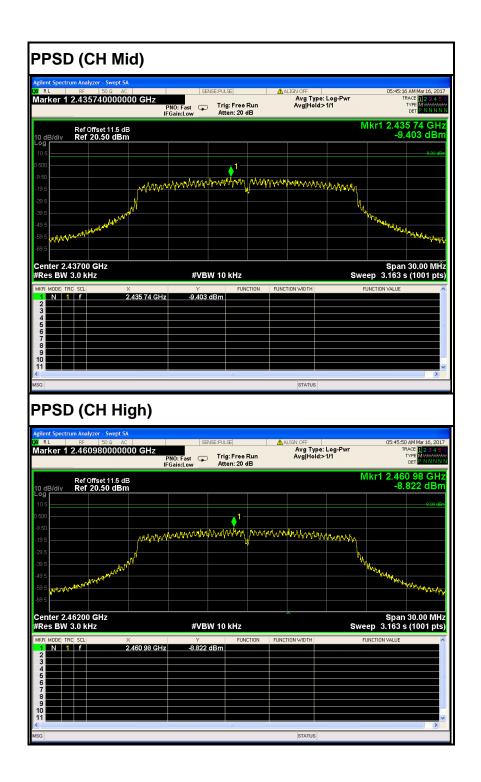


IEEE 802.11g mode (Antenna 0)

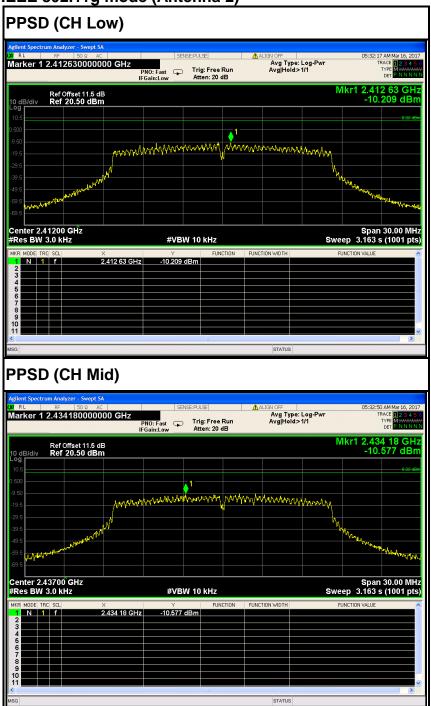


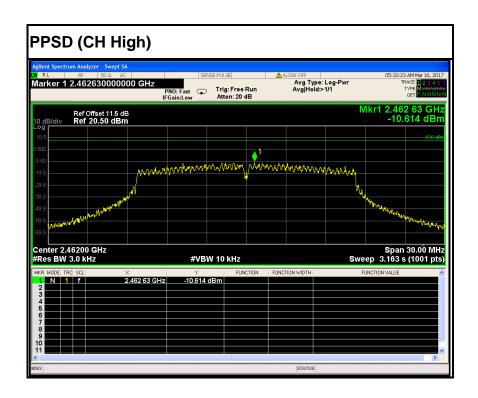
Page 158 / 172 FCC ID: 2AKIQ-ASC175



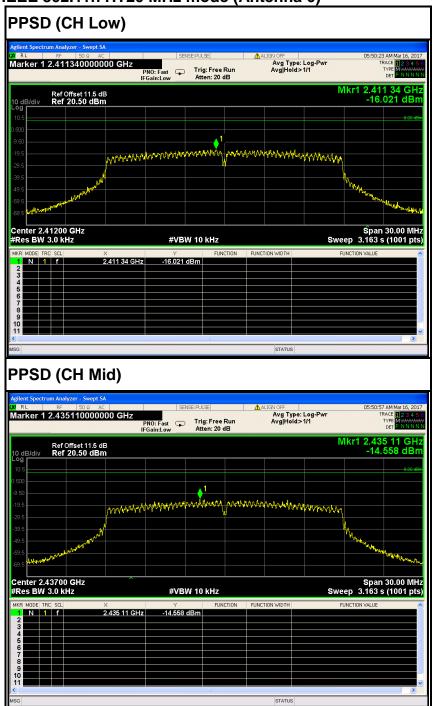


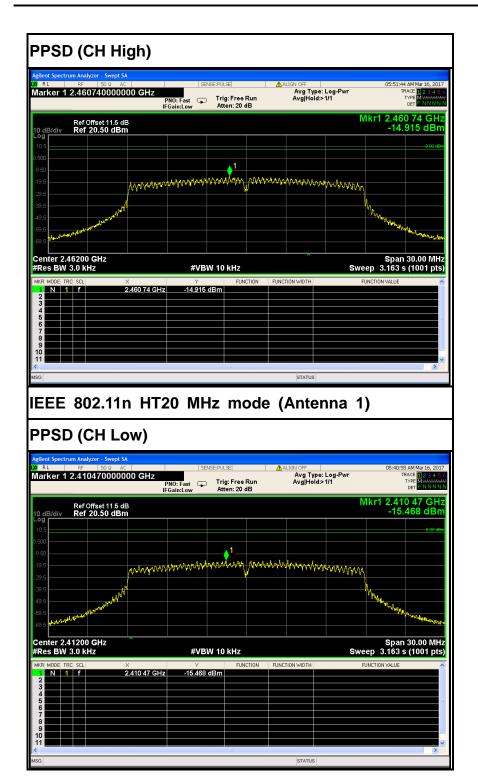
IEEE 802.11g mode (Antenna 2)

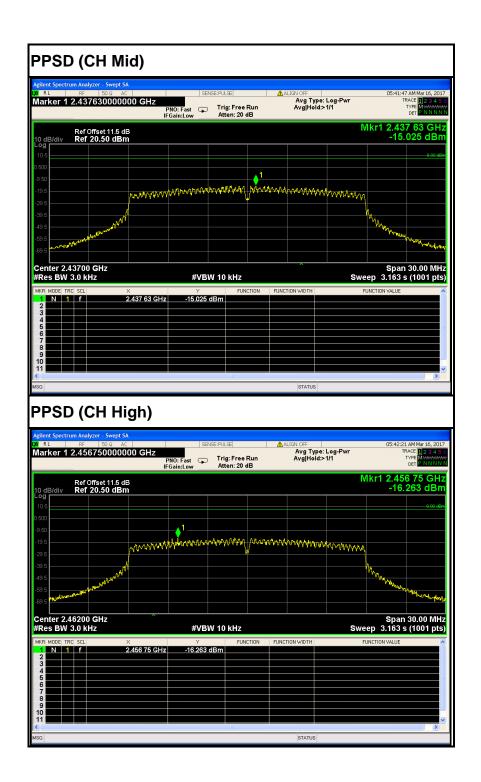




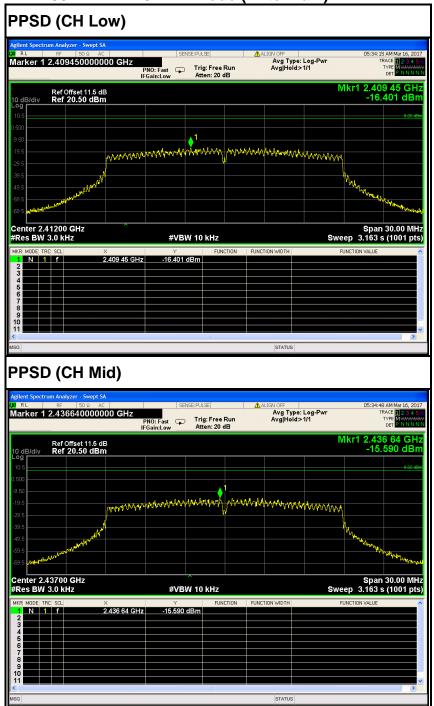
IEEE 802.11n HT20 MHz mode (Antenna 0)

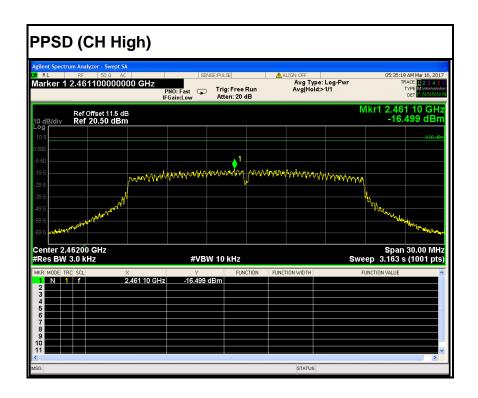




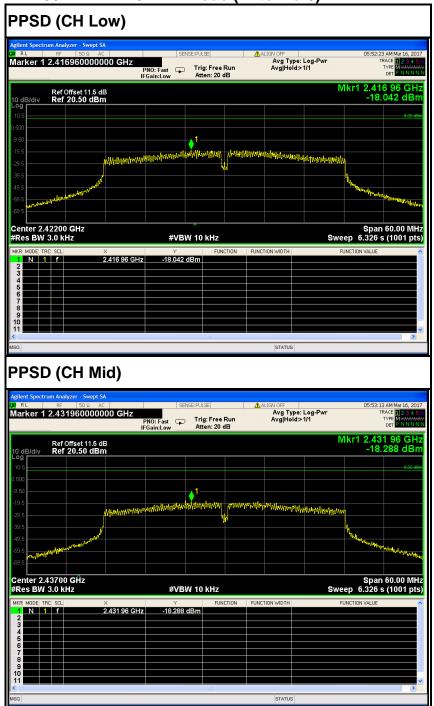


IEEE 802.11n HT20 MHz mode (Antenna 2)

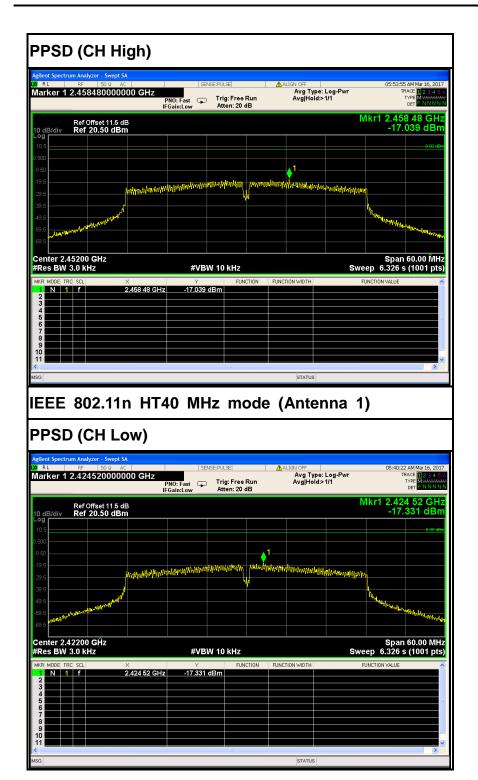


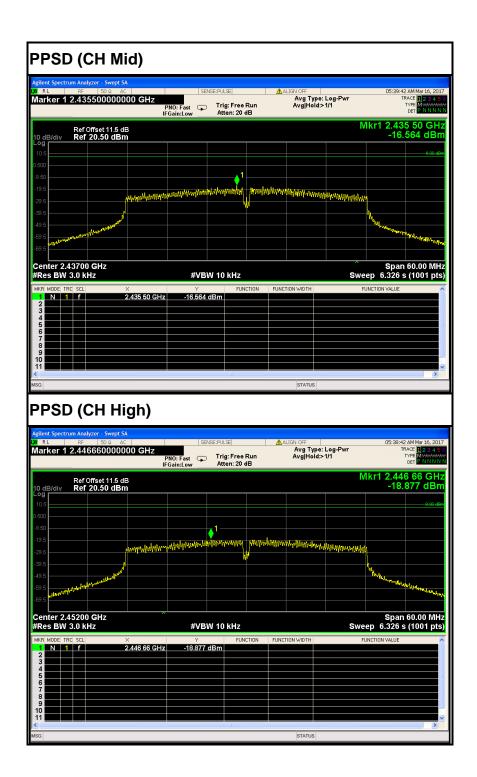


IEEE 802.11n HT40 MHz mode (Antenna 0)



FCC ID: 2AKIQ-ASC175 Page 168 / 172
This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.







IEEE 802.11n HT40 MHz mode (Antenna 2)

