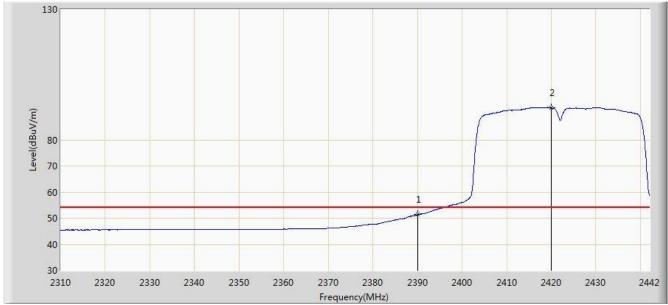
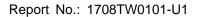




Site: AC1	Time: 2017/08/03 - 16:22				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(CDD Mode)					

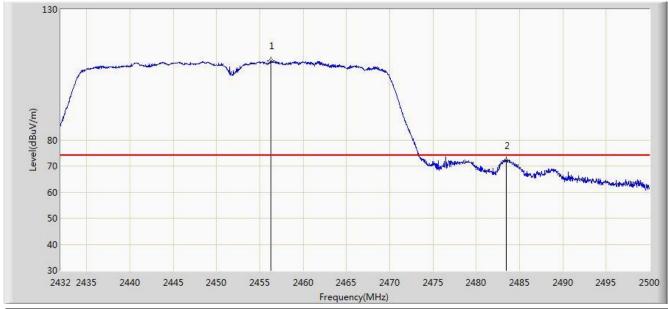


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2390.000	51.345	19.305	-2.655	54.000	32.040	AV
2		*	2419.956	92.298	60.139	N/A	N/A	32.160	AV

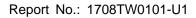




Site: AC1	Time: 2017/08/03 - 16:22				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2(CDD Mode)					

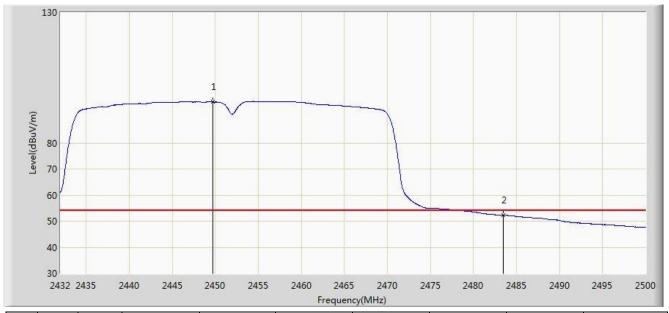


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2456.310	110.198	77.892	N/A	N/A	32.306	PK
2			2483.500	71.973	39.559	-2.027	74.000	32.414	PK

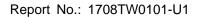




Site: AC1	Time: 2017/08/03 - 16:23				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2(CDD Mode)					

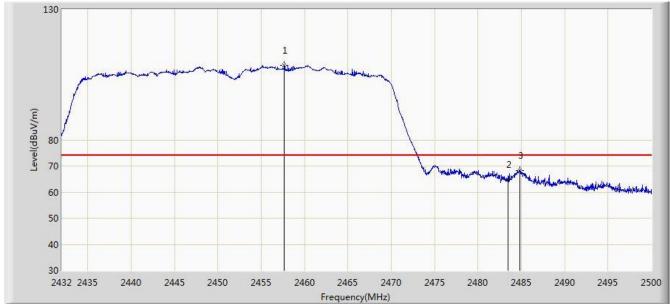


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2449.714	95.713	63.434	N/A	N/A	32.279	AV
2			2483.500	52.276	19.862	-1.724	54.000	32.414	AV

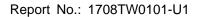




Site: AC1	Time: 2017/08/03 - 16:24				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2(CDD Mode)					

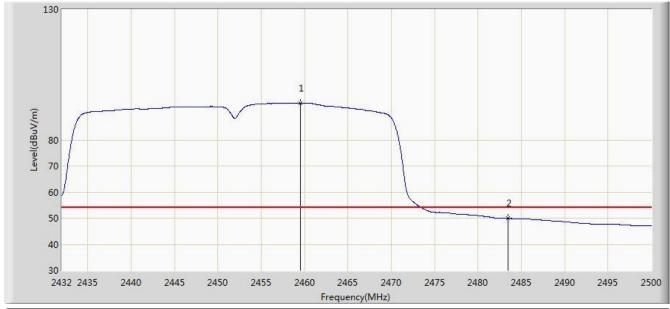


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2457.670	108.502	76.191	N/A	N/A	32.311	PK
2			2483.500	64.851	32.437	-9.149	74.000	32.414	PK
3			2484.836	68.305	35.886	-5.695	74.000	32.419	PK

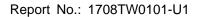




Site: AC1	Time: 2017/08/03 - 16:25				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2(CDD Mode)					

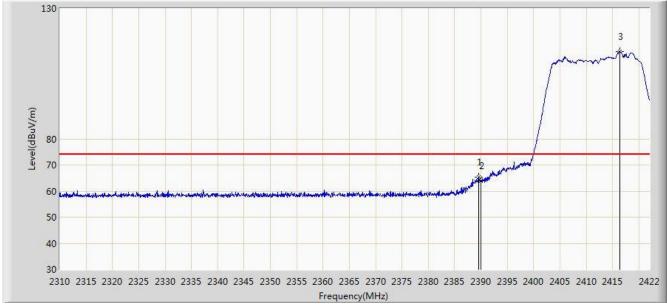


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2459.506	94.136	61.818	N/A	N/A	32.318	AV
2			2483.500	49.958	17.544	-4.042	54.000	32.414	AV

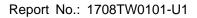




Site: AC1	Time: 2017/08/03 - 16:27				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(Beam-Forming Mode)					



No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2389.576	65.504	33.466	-8.496	74.000	32.039	PK
2			2390.000	64.010	31.970	-9.990	74.000	32.040	PK
3		*	2416.344	113.422	81.277	N/A	N/A	32.145	PK

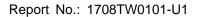




Site: AC1	Time: 2017/08/03 - 16:28				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(Beam-Forming Mode)					

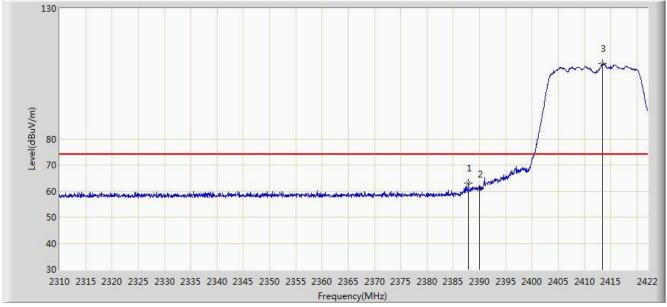


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2390.000	49.698	17.658	-4.302	54.000	32.040	AV
2		*	2417.744	98.593	66.442	N/A	N/A	32.151	AV

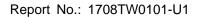




Site: AC1	Time: 2017/08/03 - 16:29					
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker					
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical					
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz					
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(Beam-Forming Mode)						



No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2387.896	62.970	30.938	-11.030	74.000	32.032	PK
2			2390.000	60.671	28.631	-13.329	74.000	32.040	PK
3		*	2413.488	108.797	76.663	N/A	N/A	32.134	PK





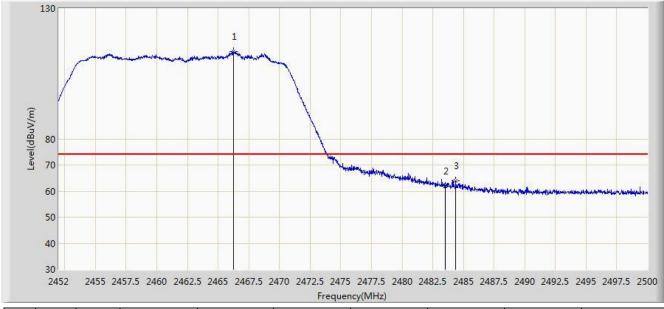
Site: AC1	Time: 2017/08/03 - 16:31				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(Beam-Forming Mode)					



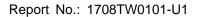
No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2390.000	47.935	15.895	-6.065	54.000	32.040	AV
2		*	2416.400	95.374	63.229	N/A	N/A	32.145	AV



Site: AC1	Time: 2017/08/03 - 16:32				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(Beam-Forming Mode)					

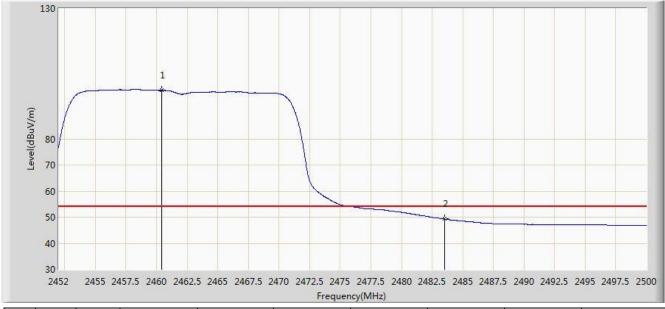


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2466.280	113.499	81.154	N/A	N/A	32.345	PK
2			2483.500	61.779	29.365	-12.221	74.000	32.414	PK
3			2484.376	64.017	31.599	-9.983	74.000	32.417	PK





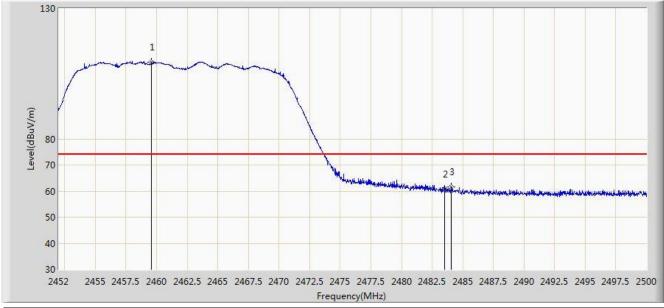
Site: AC1	Time: 2017/08/03 - 16:33				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(Beam-Forming Mode)					



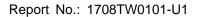
No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2460.400	98.556	66.234	N/A	N/A	32.321	AV
2			2483.500	49.286	16.872	-4.714	54.000	32.414	AV



Site: AC1	Time: 2017/08/03 - 16:33				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(Beam-Forming Mode)					

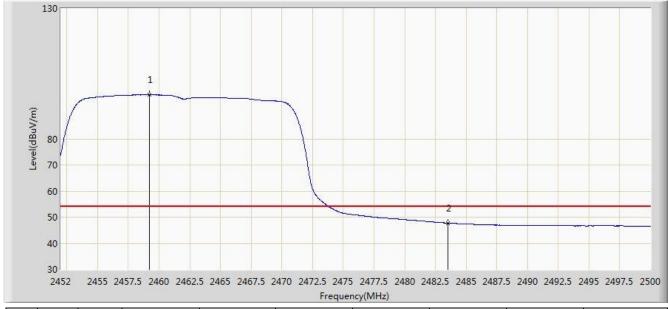


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2459.584	109.524	77.205	N/A	N/A	32.319	PK
2			2483.500	60.585	28.171	-13.415	74.000	32.414	PK
3			2484.040	61.593	29.177	-12.407	74.000	32.416	PK





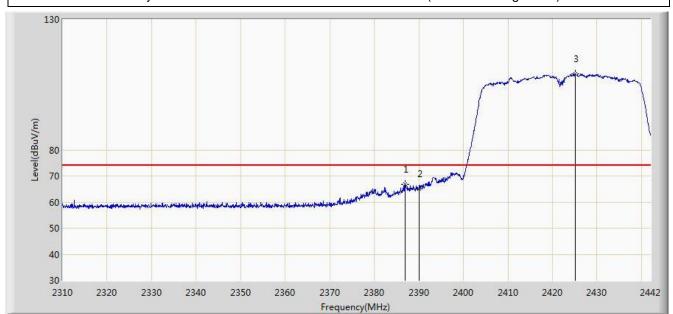
Site: AC1	Time: 2017/08/03 - 16:36				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(Beam-Forming Mode)					



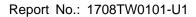
No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2459.224	96.929	64.612	N/A	N/A	32.317	AV
2			2483.500	47.744	15.330	-6.256	54.000	32.414	AV



Site: AC1	Time: 2017/08/03 - 16:37				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(Beam-Forming Mode)					



No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2386.890	66.858	34.830	-7.142	74.000	32.027	PK
2			2390.000	65.071	33.031	-8.929	74.000	32.040	PK
3		*	2425.104	109.078	76.898	N/A	N/A	32.180	PK





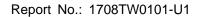
Site: AC1	Time: 2017/08/03 - 16:39				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(Beam-Forming Mode)					



No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2390.000	52.021	19.981	-1.979	54.000	32.040	AV
2		*	2424.510	94.936	62.758	N/A	N/A	32.177	AV

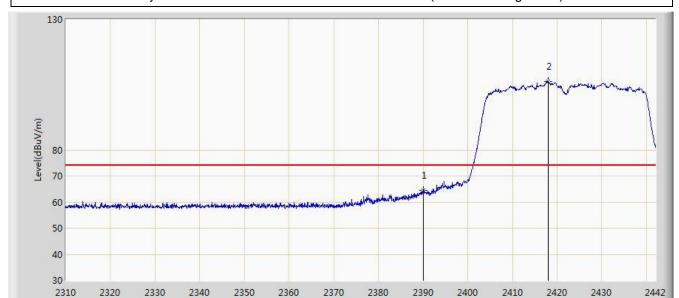
Frequency(MHz)

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)





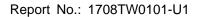
Site: AC1	Time: 2017/08/03 - 16:40				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(Beam-Forming Mode)					



No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2390.000	64.586	32.546	-9.414	74.000	32.040	PK
2		*	2418.042	106.280	74.128	N/A	N/A	32.151	PK

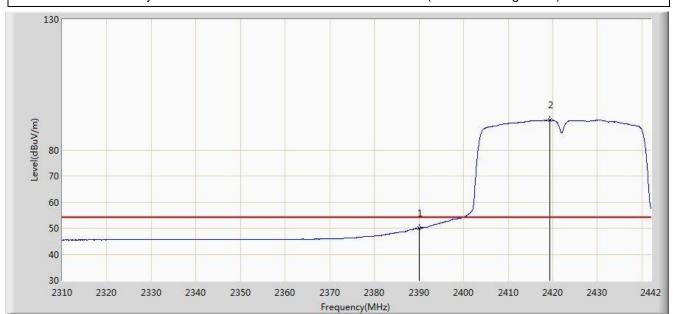
Frequency(MHz)

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

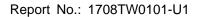




Site: AC1	Time: 2017/08/03 - 16:41				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(Beam-Forming Mode)					

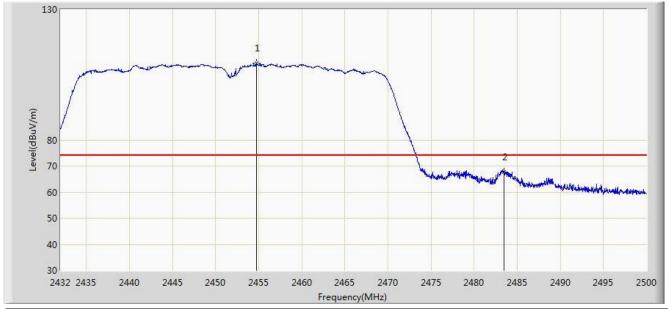


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2390.000	50.057	18.017	-3.943	54.000	32.040	AV
2		*	2419.362	91.512	59.355	N/A	N/A	32.157	AV

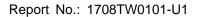




Site: AC1	Time: 2017/08/03 - 16:42				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2(Beam-Forming Mode)					

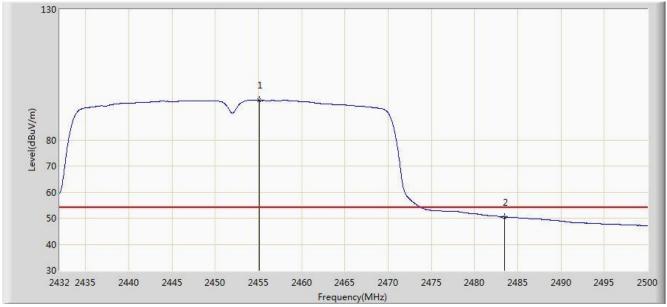


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2454.746	109.462	77.163	N/A	N/A	32.300	PK
2			2483.500	67.687	35.273	-6.313	74.000	32.414	PK





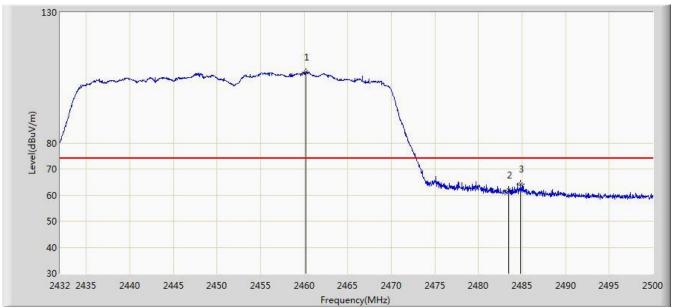
Site: AC1	Time: 2017/08/03 - 16:43				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2(Beam-Forming Mode)					



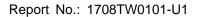
No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2455.120	95.094	62.793	N/A	N/A	32.301	AV
2			2483.500	50.427	18.013	-3.573	54.000	32.414	AV



Site: AC1	Time: 2017/08/03 - 16:44				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2(Beam-Forming Mode)					

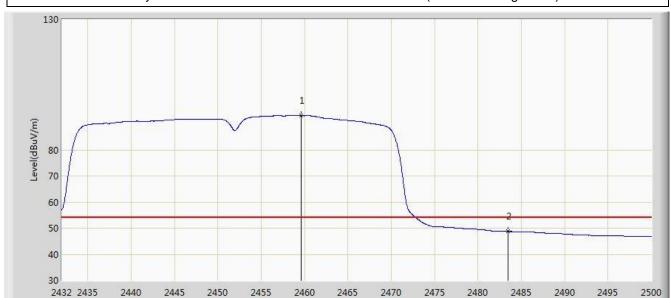


No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2460.220	107.177	74.856	N/A	N/A	32.321	PK
2			2483.500	62.026	29.612	-11.974	74.000	32.414	PK
3			2484.836	64.061	31.642	-9.939	74.000	32.419	PK





Site: AC1	Time: 2017/08/03 - 16:45				
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker				
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2(Beam-Forming Mode)					



3	Frequency(MHz)								
No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2459.574	93.220	60.901	N/A	N/A	32.318	AV
2			2483.500	48.720	16.306	-5.280	54.000	32.414	AV



7.8. AC Conducted Emissions Measurement

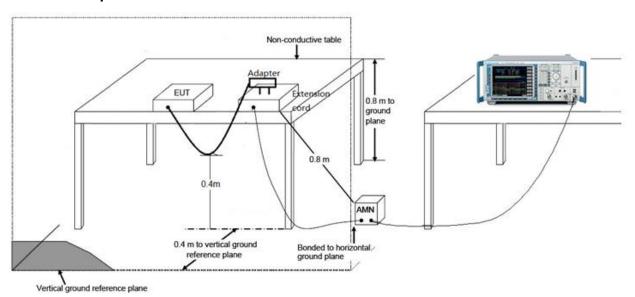
7.8.1.Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits							
Frequency (MHz)	QP (dBuV)	AV (dBuV)					
0.15 - 0.50	66 - 56	56 - 46					
0.50 - 5.0	56	46					
5.0 - 30	60	50					

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

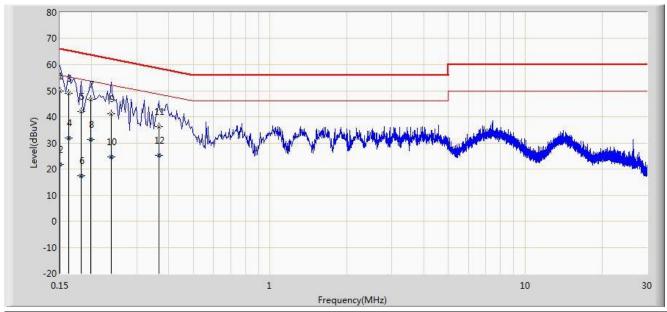
7.8.2.Test Setup





7.8.3.Test Result

Site: SR2	Time: 2017/08/03 - 18:10				
Limit: FCC_Part15.207_CE	Engineer: Kevin Ker				
Probe: ENV216_101683_Filter On	Polarity: Line				
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz				
Test Mode: Mode 1					



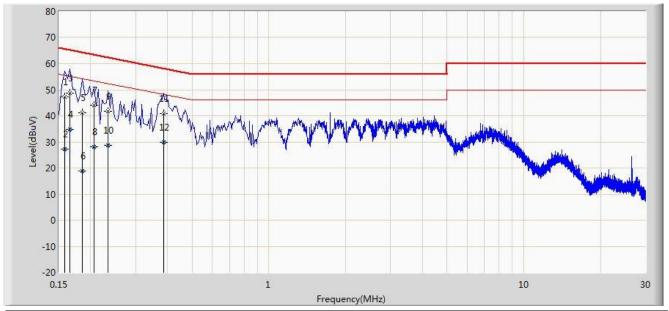
No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV)	(dB)	
				(dBuV)	(dBuV)				
1		*	0.150	49.730	38.562	-16.270	66.000	11.168	QP
2			0.150	21.821	10.653	-34.179	56.000	11.168	AV
3			0.162	49.051	38.954	-16.310	65.361	10.097	QP
4			0.162	31.755	21.658	-23.606	55.361	10.097	AV
5			0.182	42.073	32.025	-22.321	64.394	10.048	QP
6			0.182	17.408	7.359	-36.986	54.394	10.048	AV
7			0.198	46.771	36.766	-16.923	63.694	10.005	QP
8			0.198	31.261	21.256	-22.433	53.694	10.005	AV
9			0.238	41.277	31.323	-20.889	62.166	9.954	QP
10			0.238	24.645	14.691	-27.521	52.166	9.954	AV
11			0.366	36.167	26.109	-22.425	58.591	10.058	QP
12			0.366	25.334	15.276	-23.257	48.591	10.058	AV

Note: Measure Level (dB μ V) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

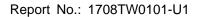


Site: SR2	Time: 2017/08/03 - 18:14
Limit: FCC_Part15.207_CE	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Mode 1	



No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV)	(dB)	
				(dBuV)	(dBuV)				
1			0.158	47.162	36.872	-18.407	65.568	10.290	QP
2			0.158	27.142	16.853	-28.426	55.568	10.290	AV
3		*	0.166	48.597	38.526	-16.562	65.158	10.071	QP
4			0.166	34.880	24.809	-20.278	55.158	10.071	AV
5			0.186	41.166	31.131	-23.047	64.213	10.035	QP
6			0.186	18.876	8.841	-35.337	54.213	10.035	AV
7			0.206	43.975	33.974	-19.390	63.365	10.001	QP
8			0.206	28.100	18.099	-25.265	53.365	10.001	AV
9			0.234	41.746	31.757	-20.561	62.307	9.989	QP
10			0.234	28.596	18.607	-23.711	52.307	9.989	AV
11			0.386	40.940	30.838	-17.210	58.149	10.102	QP
12			0.386	29.976	19.874	-18.173	48.149	10.102	AV

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)





8. CONCLUSION

The data collected relate only the item(s) tested and show that the AC220i Wi-Fi AP ID omni antenna US FCC ID: 2AD8UFZCWI2B1 is in compliance with Part 15C of the FCC Rules.

_____ The End _____