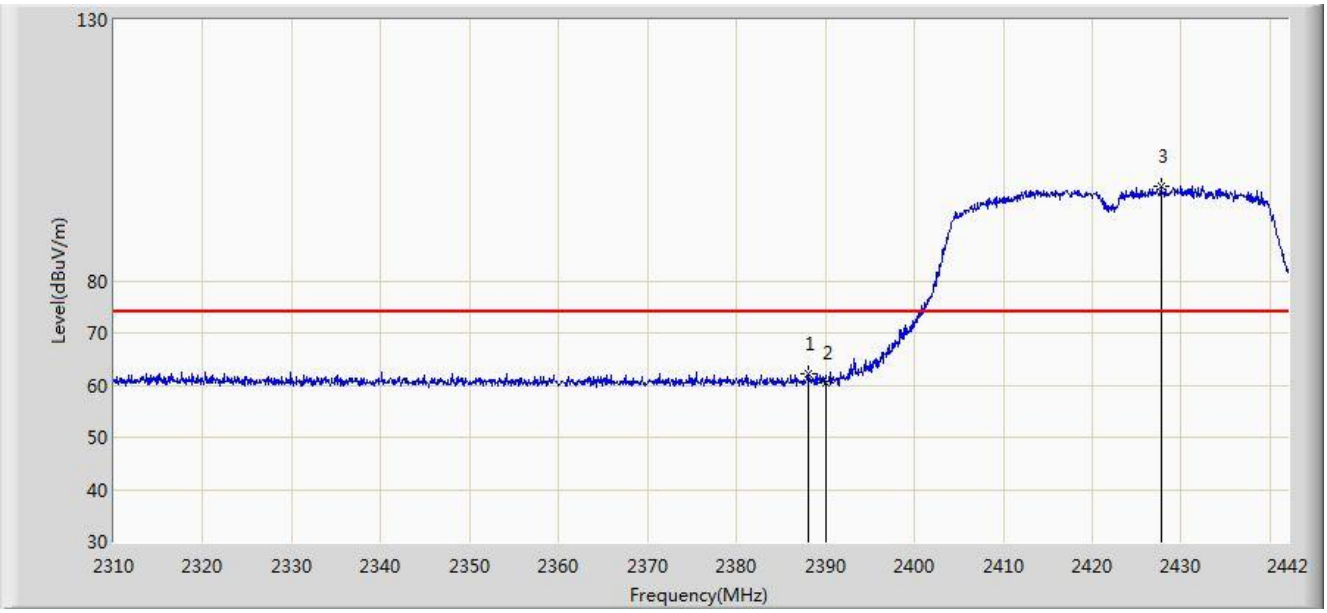
Site: AC1	Time: 2017/02/13 - 18:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2	

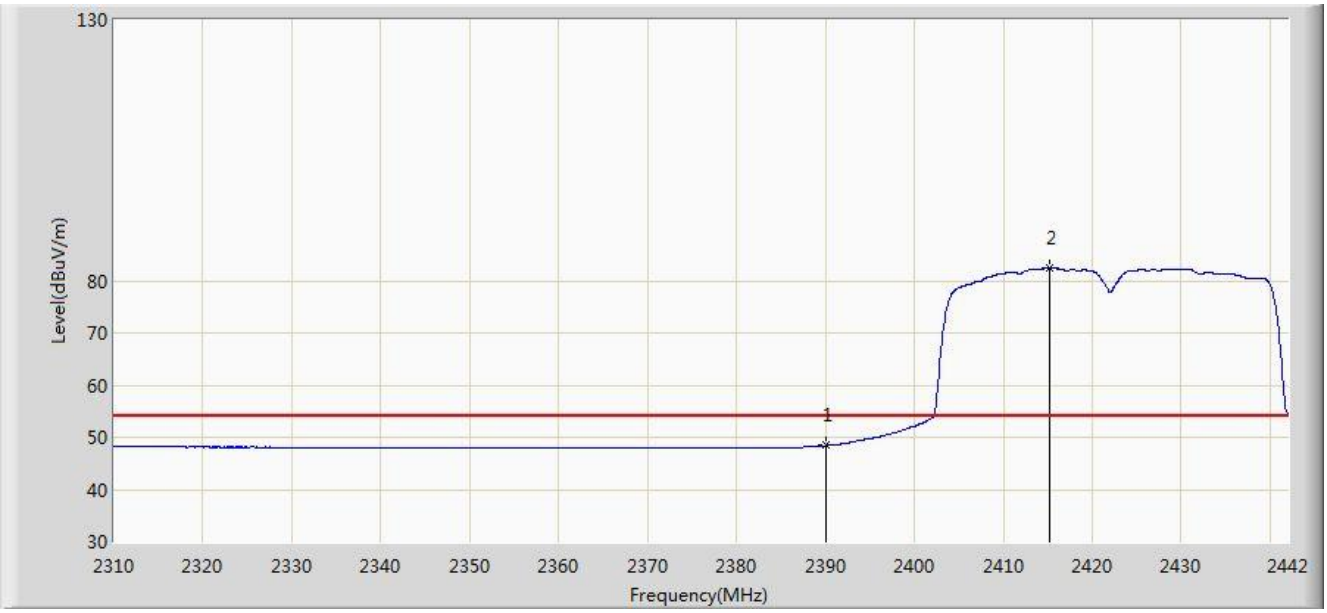


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.012	62.260	29.703	-11.740	74.000	32.557	PK
2			2390.000	60.399	27.845	-13.601	74.000	32.554	PK
3			2427.744	98.251	65.744	N/A	N/A	32.507	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/02/13 - 18:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2	

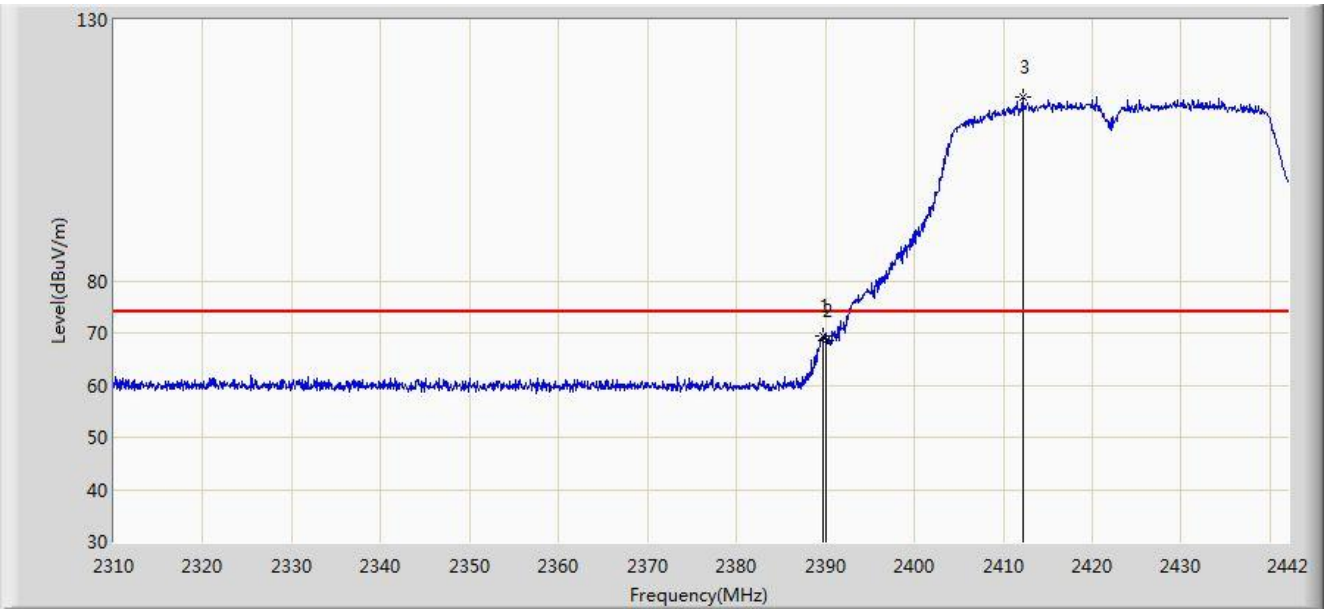


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.413	15.859	-5.587	54.000	32.554	AV
2			2415.270	82.458	49.936	N/A	N/A	32.522	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/02/13 - 18:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2	

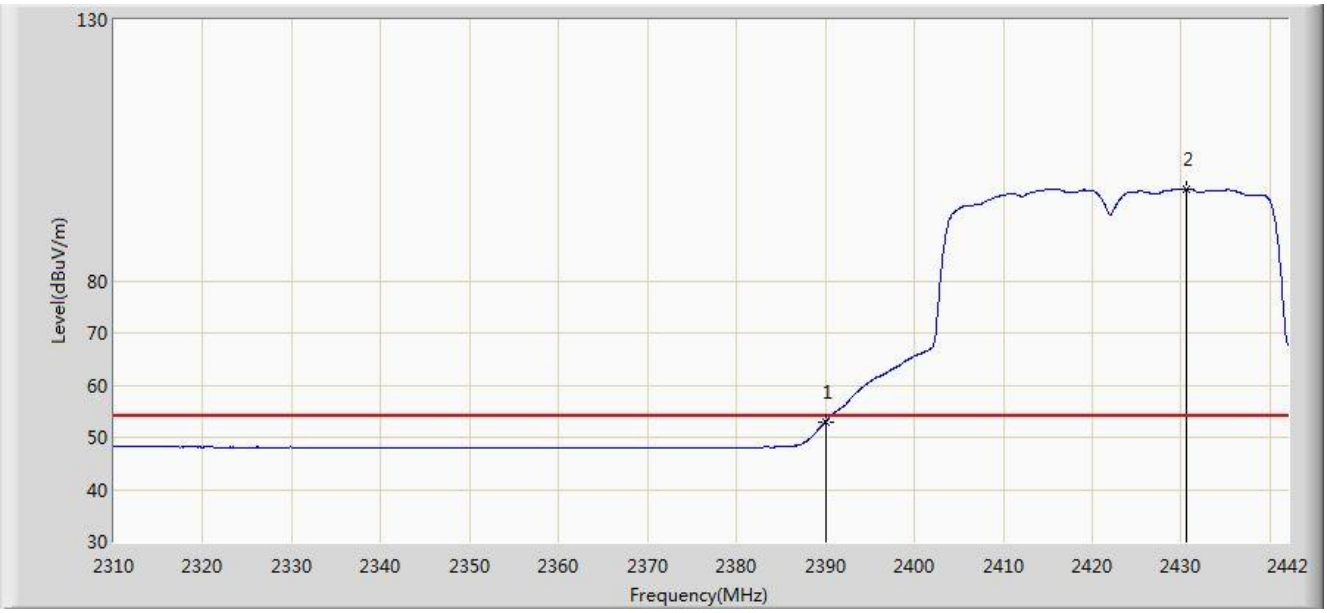


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.662	69.487	36.932	-4.513	74.000	32.555	PK
2			2390.000	68.514	35.960	-5.486	74.000	32.554	PK
3			2412.168	115.357	82.832	N/A	N/A	32.525	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/02/13 - 18:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2	

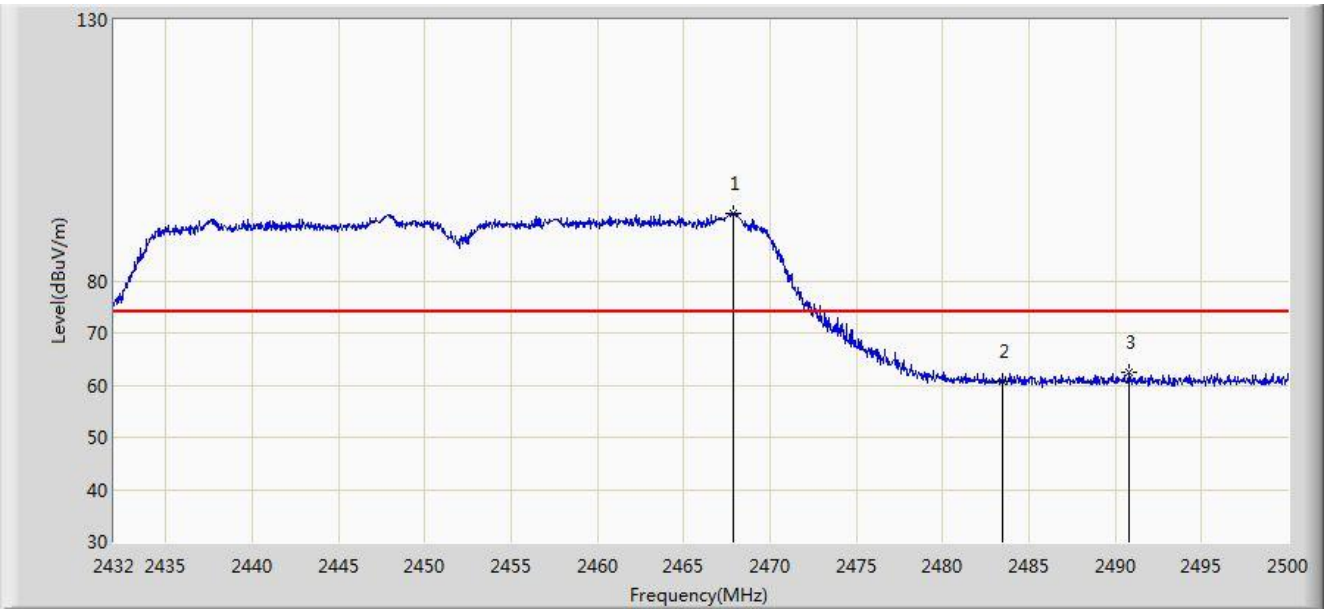


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.018	20.464	-0.982	54.000	32.554	AV
2			2430.648	97.618	65.115	N/A	N/A	32.504	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/02/13 - 18:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2	

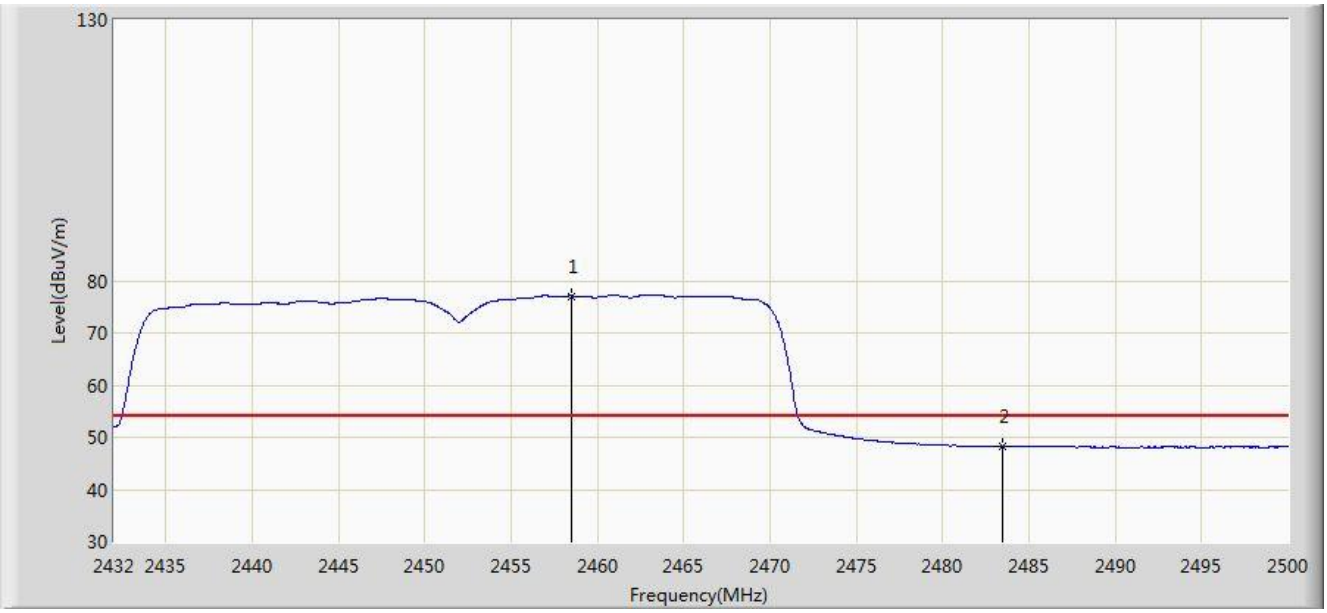


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2467.836	92.942	60.408	N/A	N/A	32.533	PK
2			2483.500	60.712	28.131	-13.288	74.000	32.580	PK
3			2490.786	62.540	29.938	-11.460	74.000	32.602	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/02/13 - 18:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2	

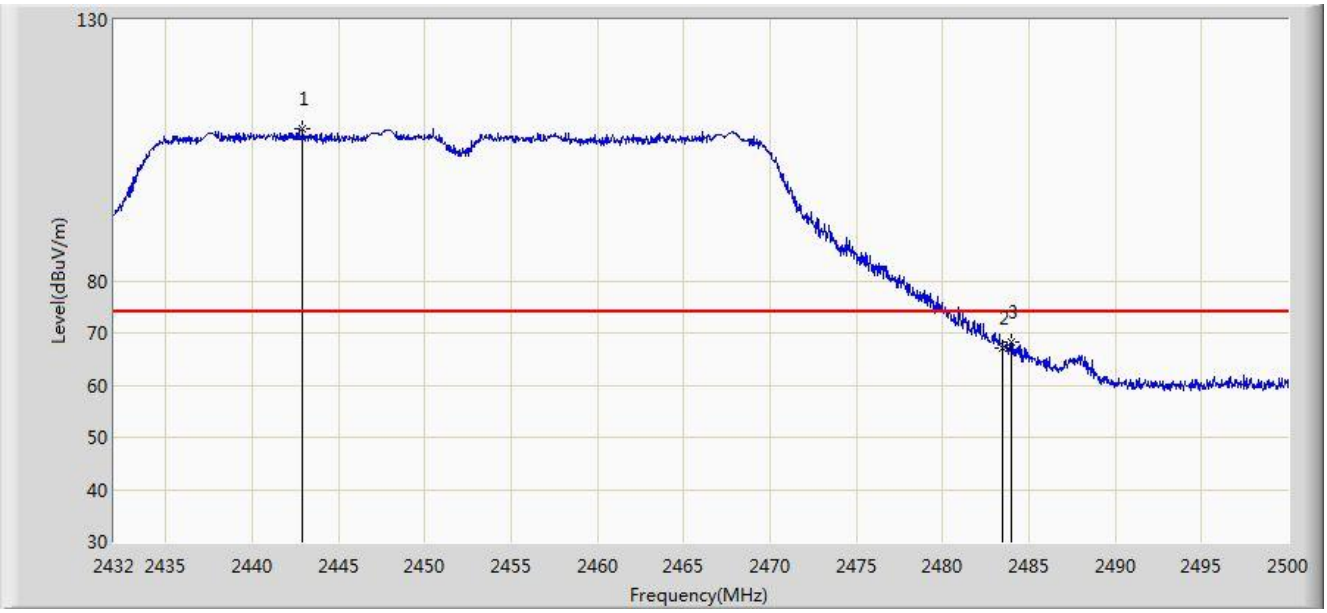


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2458.520	77.087	44.577	N/A	N/A	32.510	AV
2			2483.500	48.290	15.709	-5.710	54.000	32.580	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/02/13 - 18:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2	

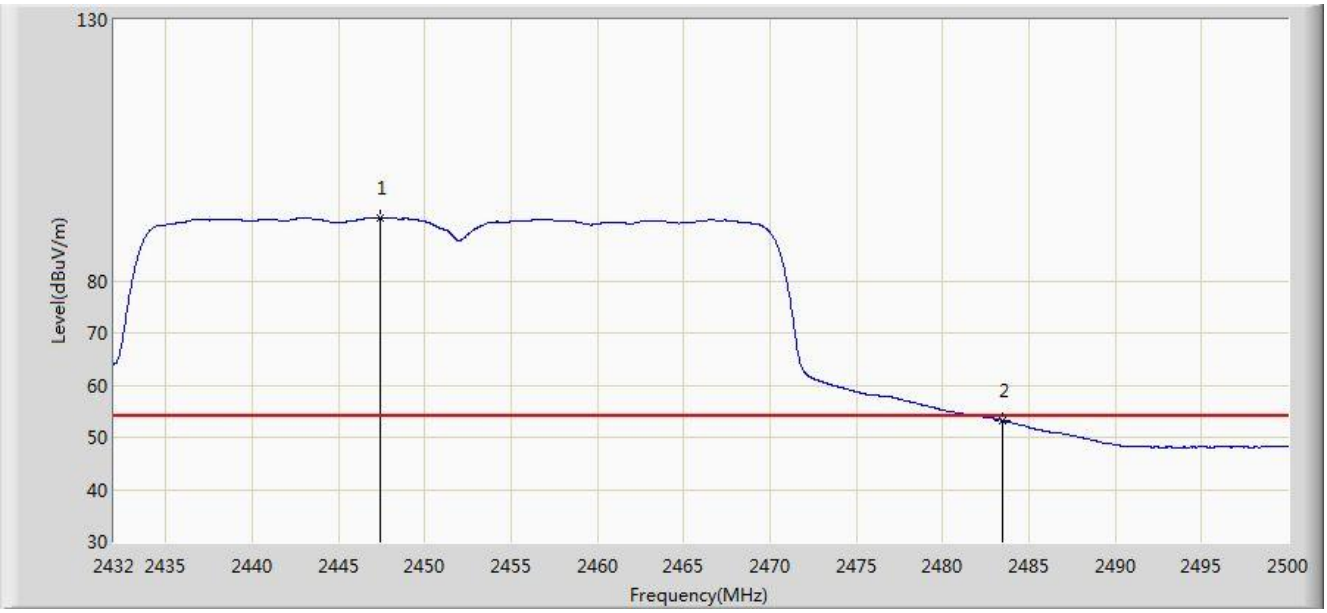


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2442.948	109.132	76.643	N/A	N/A	32.489	PK
2			2483.500	67.207	34.626	-6.793	74.000	32.580	PK
3			2483.952	68.181	35.599	-5.819	74.000	32.582	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/02/13 - 18:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2447.402	92.103	59.612	N/A	N/A	32.490	AV
2			2483.500	53.237	20.656	-0.763	54.000	32.580	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

7.8. AC Conducted Emissions Measurement

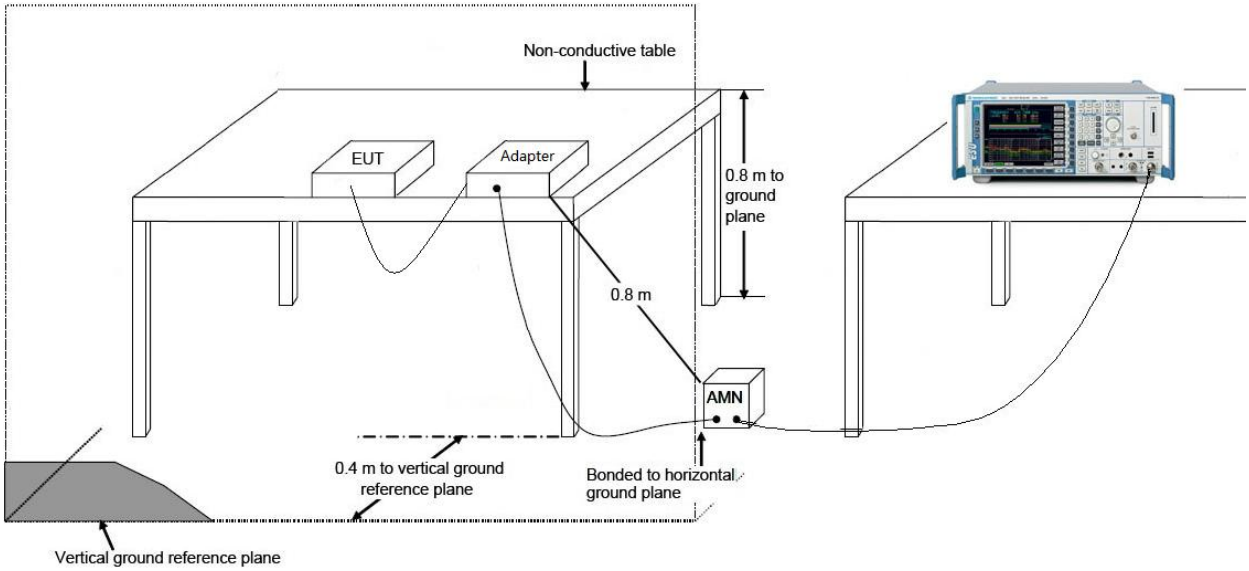
7.8.1.Test Limit

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.

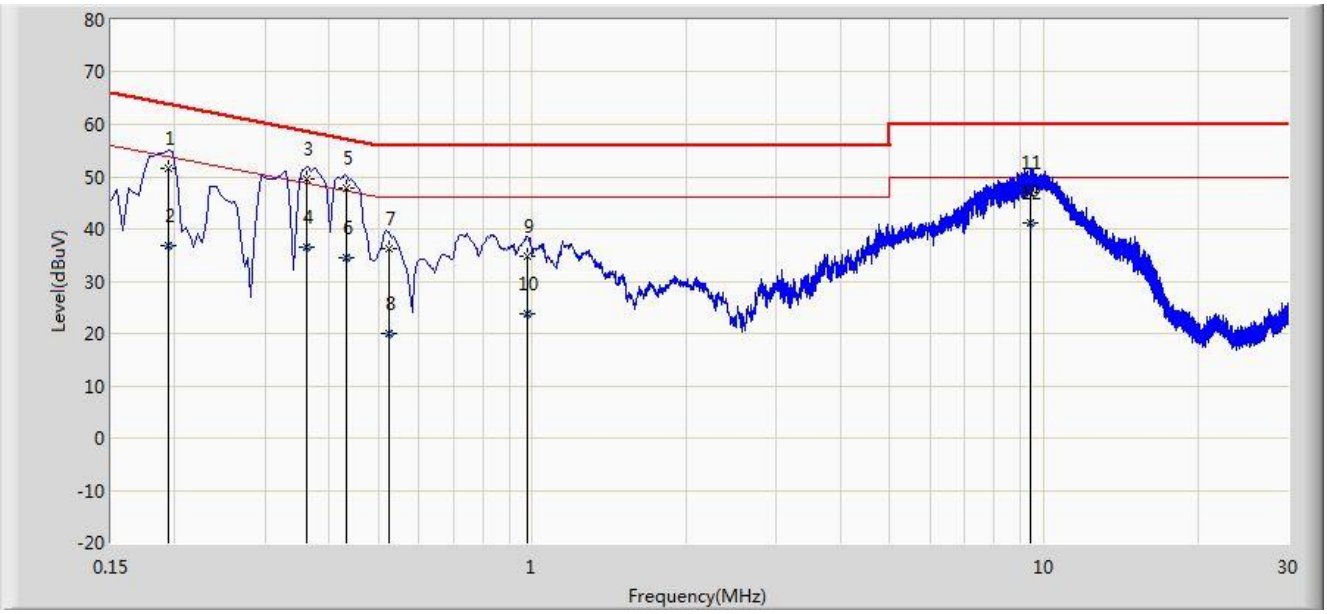
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2.Test Setup



7.8.3.Test Result

Site: SR2	Time: 2017/02/24 - 17:35
Limit: FCC_Part15.207_CE	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Note: Mode 1	

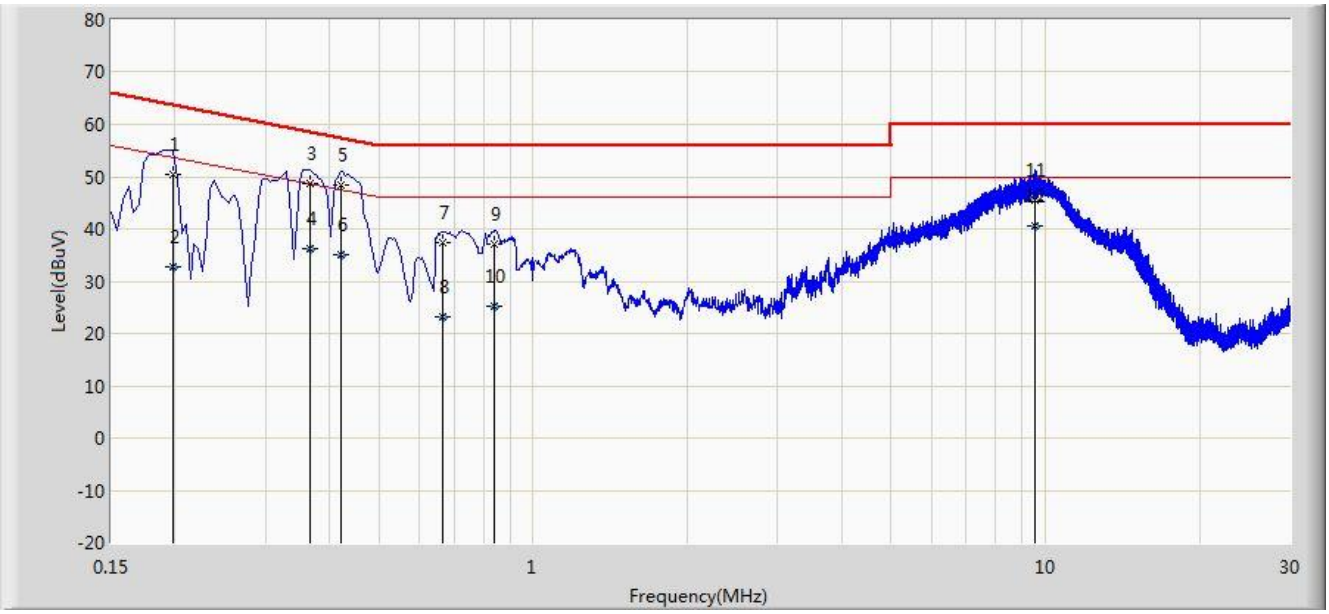


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.194	51.627	41.578	-12.236	63.864	10.049	QP
2			0.194	36.682	26.633	-17.181	53.864	10.049	AV
3			0.362	49.603	39.580	-9.080	58.682	10.023	QP
4			0.362	36.577	26.554	-12.106	48.682	10.023	AV
5			0.434	47.867	37.809	-9.309	57.176	10.057	QP
6			0.434	34.637	24.579	-12.539	47.176	10.057	AV
7			0.526	36.294	26.214	-19.706	56.000	10.080	QP
8			0.526	19.948	9.868	-26.052	46.000	10.080	AV
9			0.978	34.833	24.934	-21.167	56.000	9.899	QP
10			0.978	23.642	13.743	-22.358	46.000	9.899	AV
11			9.422	46.856	37.035	-13.144	60.000	9.821	QP
12		*	9.422	41.292	31.471	-8.708	50.000	9.821	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

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

Site: SR2	Time: 2017/02/24 - 17:39
Limit: FCC_Part15.207_CE	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Note: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.198	50.309	40.300	-13.385	63.694	10.010	QP
2			0.198	32.754	22.745	-20.940	53.694	10.010	AV
3			0.366	48.792	38.755	-9.799	58.591	10.037	QP
4			0.366	36.125	26.088	-12.466	48.591	10.037	AV
5		*	0.422	48.308	38.236	-9.101	57.409	10.072	QP
6			0.422	35.191	25.119	-12.218	47.409	10.072	AV
7			0.666	37.266	27.226	-18.734	56.000	10.040	QP
8			0.666	23.243	13.203	-22.757	46.000	10.040	AV
9			0.842	37.034	27.078	-18.966	56.000	9.956	QP
10			0.842	25.348	15.392	-20.652	46.000	9.956	AV
11			9.550	45.598	35.746	-14.402	60.000	9.852	QP
12			9.550	40.435	30.583	-9.565	50.000	9.852	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

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

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **US Wi-Fi AP 2x2 OD ext. antenna FCC ID: 2AD8UFZCWMBOM1** is in compliance with Part 15C of the FCC Rules.

The End